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WASHINGTON : 1929

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CONTENTS

DECISIONS OF THE COMMISSIONER OF PATENTS, November 5, 12, 19, 26.....	Page 3, 279, 525, 781
TRADE-MARKS PUBLISHED AND REGISTERED, November 5, 12, 19, 26.....	7, 283, 581, 787
LABELS AND PRINTS REGISTERED, November 5, 12, 19, 26.....	62, 331, 576, 831
REISSUES, November 5, 12, 19, 26.....	63, 333, 579, 833
DESIGNS, November 5, 12, 19, 26.....	65, 334, 581, 835
PATENTS, November 5, 12, 19, 26.....	86, 343, 588, 849

ANNOUNCEMENTS

ADVERSE DECISIONS IN INTERFERENCE.....	Page 1, 523, 786
APPEAL TO THE BOARD OF APPEALS.....	523, 779
APPLICATIONS—Condition of Pending.....	2, 278, 524, 780
CLASSIFICATION OF INVENTIONS—Changes in—Order No. 3,135.....	530
DISCLAIMERS—Carpenter, Warren H.....	5
Hoffmann, Henry L.....	4
Kerr, Howard J.....	282
Kuehl, Herman W.....	281
Sosa, Augustus M., and Hans Baerbalck.....	281
Terry, Fred D.....	5
Winters, Alexander F.....	281
EXTENSION OF PATENTS—Veterans—Smathers, James, of (two cases).....	1
INTERFERENCE—Duncan, Fay B.....	282, 530, 786
Hunneman, Roger D.....	6, 282
Odell, Harry.....	6, 282, 530
Swimmer, Jacob C.....	6, 282
INTERNATIONAL CONVENTION FOR THE PROTECTION OF INDUSTRIAL PROPERTY—Adhesion—Brazil.....	1
Trinidad and Tobago.....	1
NOTICE—Principal Examiner H. C. Armstrong detailed as Assistant to the Commissioner.....	779
PATENT SUITS.....	3, 280, 520, 785
PATENTS—List of Adjudicated.....	1, 277, 523, 786
TRADE-MARKS—Canceled.....	779
Notice of Cancellation.....	6, 282

TABLE OF CASES REPORTED

	Page		Page
* Angert. In re.....	782	* Sanitary Refrigerator Co. v. Alexander F. Winters	
* Champeau. In re.....	783	et al. Alexander F. Winters et al. v. Dent Hard-	
* Conrad. Ex parte.....	525	ware Company.....	526
* Fuller. In re.....	279	Slater. Ex parte.....	279
* Midgley. In re.....	781	* Staunton. In re.....	784
* Molyncaux. In re.....	785	Toledo Scale Company. Ex parte.....	3
Rodman. Ex parte.....	781		

[Decisions of the Court of Customs and Patent Appeals are indicated by a star (*); of the Board of Patent Appeals by the letter (b); and of the Supreme Court of the United States by the letter (s).]

ERRATA

1,734,217, page 125, in the heading, assignment, name of assignee, for "Western Electric & Manufacturing Company" read *Westinghouse Electric & Manufacturing Company*.
1,735,485, page 449, in the heading, assignment, name of assignee, for "Wilson-Maculen Company, Inc." read *Wilson-Maculen Company, Inc.*
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THE OFFICIAL GAZETTE OF THE United States Patent Office

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CONTENTS

	Page
ISSUE OF NOVEMBER 5, 1929.....	1
INTERNATIONAL CONVENTION—ADHESION.....	1
ADJUDICATED PATENT.....	1
ADVERSE DECISIONS IN INTERFERENCE.....	1
EXTENSION OF PATENTS—VETERANS.....	1
APPLICATIONS UNDER EXAMINATION.....	2
COMMISSIONER'S DECISION— Ex parte Toledo Scale Company.....	3
PATENT SUPPLIES.....	3
DECLARATIONS.....	4
INTERFERENCE NOTICES.....	6
NOTICE OF CANCELLATION.....	6
TRADE-MARK REGISTRATIONS GRANTED.....	7
TRADE-MARK REGISTRATIONS GRANTED.....	41
PRINTS.....	62
REISSUES.....	62
DESIGNS.....	65
PATENTS GRANTED.....	86

Issue of November 5, 1929

Trade-Marks.....	478—No. 263,206 to No. 263,677, inclusive.
Labels.....	23—No. 36,373 to No. 36,595, inclusive.
Prints.....	9—No. 12,167 to No. 12,175, inclusive.
Reissues.....	7—No. 17,477 to No. 17,483, inclusive.
Designs.....	96—No. 79,781 to No. 79,876, inclusive.
Patents.....	926—No. 1,734,028 to No. 1,734,953, inclusive.
Total.....	1,534

International Convention—Adhesion

Brazil

This Office has been notified by the State Department of the receipt of a notice from the *Chargé d'Affaires* at Rio de Janeiro, Brazil, that, under date of August 1, 1929, a decree was published by the Brazilian Government that it adhered to the Convention of the Union for the Protection of Industrial Property, as revised at The Hague November 6, 1925.

THOMAS E. ROBERTSON,
Commissioner of Patents.

Trinidad and Tobago

This Office has been notified by the Secretary of State of the receipt of a notice from the Swiss Legation that the Government of Great Britain has adhered, for the colony of the Islands of Trinidad and Tobago, to the Convention of the Union for the Protection of Industrial Property, as revised at The Hague on November 6, 1925, the adhesion to take effect on October 21, 1929.

THOMAS E. ROBERTSON,
Commissioner of Patents.

Adjudicated Patent

(D. C. N. Y.) Frey patent, No. 1,297,456, for tube compressor, claims 1 and 8 Held valid and infringed. *Brass Goods Mfg. Co. v. Mac Weiss & Sons*, 34 F. (2d) 286.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

- Pat. 1,599,300, G. Steingruber, Glare shield for automobile headlights, decided August 20, 1929, claims 1 and 2.
- Pat. 1,600,614, William C. Anthony, Dumping body, decided September 28, 1929, claims 1, 2, 4, 5, and 6.
- Pat. 1,600,615, Anthony and Benedict, Dumping body, decided September 28, 1929, claims 1, 2, 3, 4, 5, and 8.
- Pat. 1,616,635, J. W. Peppie, Vehicle wheel, decided September 17, 1929, claims 1, 3, 4, and 5.
- Pat. 1,649,730, W. Prellwitz, Spring handle, decided September 27, 1929, claim 3.
- Pat. 1,660,975, R. L. Quass, Telephone system, decided September 23, 1929, claims 1, 2, 3, and 8.
- Pat. 1,665,987, J. T. Smith, Pilot light, decided September 16, 1929, claims 1 and 2.
- Pat. 1,668,151, L. M. Hull, Amplifier circuit, decided July 31, 1929, claims 1 and 2.
- Pat. 1,694,977, C. F. Hall, Circuit-controlling device and system employing the same, decided September 23, 1929, claims 1, 2, 4, 5, 8, and 9.

EXTENSION OF PATENTS VETERANS

ACT OF MAY 31, 1928

Patent No. 1,077,006. Granted October 28, 1913. James F. Smathers. The above entitled patent has been extended, under the provisions of the act of May 31, 1928, for five years and fifty-three days from the expiration of the original term thereof.

Patent No. 1,227,846. Granted May 29, 1917. James F. Smathers. The above entitled patent has been extended, under the provisions of the act of May 31, 1928, for five years and fifty-three days from the expiration of the original term thereof.

Condition of Applications Under Examination at Close of Business October 25, 1929

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Feb. 18	Feb. 25	1,863
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Feb. 25	Feb. 25	1,823
331	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 2	June 4	1,348
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	Mar. 14	Mar. 19	1,441
108*	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Feb. 8	Feb. 8	1,584
318	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Dec. 21	Dec. 26	3,083
106	7. JARBOE, C. G., Optics; Photography.	Jan. 30	Feb. 1	2,300
133	8. HENRY, C. C., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	June 16	1,190
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	Mar. 9	Mar. 21	1,849
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Feb. 13	Apr. 3	1,628
143*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	June 22	July 9	683
380	12. PIERCE, P. F., Machine Elements.	Feb. 23	Mar. 12	1,784
154*	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 1	Mar. 25	1,434
102*	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 25	Apr. 11	1,194
329	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Dec. 26	Dec. 26	2,826
242*	16. SPENCER, C. J., Telegraphy; Telephony.	Feb. 4	Mar. 9	1,319
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 16	Mar. 16	1,525
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 11	Mar. 12	1,458
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 2	Feb. 2	2,117
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar. 11	Mar. 27	1,590
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	Mar. 11	July 9	837
244*	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 18	Apr. 3	1,556
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers.	Jan. 22	Jan. 9	1,209
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Feb. 8	Mar. 12	1,591
202*	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 11	Mar. 1	1,657
228*	26. HODGES, J. S., Electricity, Generation; Motive Power.	Mar. 12	Mar. 11	1,213
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 1	Feb. 21	1,540
225	28. BENSON, A. R., Internal-Combustion Engines.	Mar. 14	Mar. 21	2,054
160*	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	Apr. 15	Apr. 2	778
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidistats.	Feb. 1	June 21	1,479
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Feb. 4	Feb. 12	2,443
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	Mar. 2	Mar. 2	1,832
152	33. WYMAN, W. L., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 16	Mar. 18	2,342
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Feb. 25	Mar. 14	1,179
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	May 1	June 1	1,731
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Feb. 5	Feb. 2	2,209
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Jan. 7	Jan. 12	2,242
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 2	Feb. 2	1,917
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Jan. 10	Jan. 23	1,927
262*	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Jan. 26	Mar. 5	2,976
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Mar. 9	Mar. 15	1,317
223*	42. CUTTING, H. O., Electric Signaling.	Apr. 1	Apr. 16	1,579
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Feb. 1	Feb. 4	2,205
253	44. SHAFFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 30	Feb. 8	2,179
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Jan. 4	Jan. 4	2,598
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 28	Feb. 1	1,652
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Jan. 18	Jan. 28	2,464
212*	48. ROEPKE, O. B., Electricity, General Applications.	Feb. 26	Feb. 28	1,372
229	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 2	May 21	1,285
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating.	Feb. 11	Feb. 21	2,716
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Feb. 4	Feb. 4	2,249
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Mar. 20	Mar. 21	2,325
201*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 13	May 13	1,358
241	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Jan. 26	Jan. 26	2,529
102	55. BOWEN, S. T., Bread, Pastry, and Confection Making; Cutlery.	Oct. 1	Oct. 14	420
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	June 20	June 24	563
257*	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Jan. 16	Jan. 23	2,450
270*	58. DOWELL, E. F., Abrading; Typewriting.	Feb. 6	Mar. 19	1,185
315	59. RICHARD, V. I., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Feb. 1	Feb. 4	1,309
213*	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Jan. 23	Jan. 23	2,544
260	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Feb. 12	Feb. 15	1,794
245*	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Jan. 26	Jan. 18	2,372
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND—[Trade-Marks, Labels and Prints.]	Feb. 7	Feb. 12	2,064
		Sept. 27	Oct. 11	1,480
		Oct. 9	Oct. 17	108

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE TOLEDO SCALE COMPANY

Decided July 18, 1929

TRADE-MARKS—REGISTRATION—MARK MUST BE USED UPON THE GOODS.

A certain notation *Held* not registrable as a trade-mark for electroplated metallic finishes where it appears that the notation was used only upon scales or scale parts to which had been applied the metallic finish and there were no other goods or any goods used for finishing upon which the notation was separately applied.

ON APPEAL

Application for registration of trade-mark for electroplated metallic finishes, filed August 3, 1927, Serial No. 252,989.

Mr. C. O. Marshall for the applicant.

KINNAN, First Assistant Commissioner:

Applicant has appealed from the decision of the Examiner of Trade-Marks denying registration of a composite mark consisting of the representation of an outline of an elongated label upon which appear the words "Toledo Scale Company" and beneath them the notation "Silvite," under which latter appear the words "Rust Resistant Finish" and still beneath these words "Toledo, Ohio, U. S. A." The words "Rust Resistant Finish" and "Toledo, Ohio, U. S. A." are disclaimed. The goods upon which the mark is stated to be used are electroplated metallic finishes.

It appears, and the applicant submits this to be correct, that the notation is used only upon scales and scale parts which have upon or applied to them when sold the metallic finish on which latter the mark is claimed to be used. There are no other goods nor any goods used for finishing upon which the notation or mark is separately applied. It is clear, therefore, that the applicant sells no separate goods of the character to be used as a finish upon other articles but merely sells the articles—in this case scales and scale parts—with the finish applied to them. Under these conditions the Examiner held the applicant has not shown trade-mark use of the mark upon any goods within the meaning of the trade-mark statutes. In this conclusion it is deemed the Examiner is correct. The finish would appear upon the goods—scales and scale parts—as a mere integral part of such goods. The purchasing public would not be aware of any other interpretation of the notation than that the scales had on them a rust-resisting finish.

It is submitted on behalf of the applicant that if he sold the material to be afterwards applied to the scales or scale parts, registration would not be denied. While this may be admitted, yet it is immaterial to the present case because those conditions are not here present. The trade-mark statute—section 1 of the act of February 20, 1905—states

that the owner of a trade-mark may obtain registration by complying with certain requirements among which are specifying—the class of merchandise and the particular description of goods comprised in such class to which the trade mark is appropriated.

It is deemed abundantly established that under the conditions here present the applicant has not shown trade-mark use of the mark sought to be registered.

The decision of the Examiner is affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

981,290, S. L. Leiby, Reflector and searchlight, D. C., S. D. Calif. (Los Angeles), Doc. M-91-H, S. & M. Lamp Co. v. Key Bee Mfg. Co. Decree for plaintiff Dec. 29, 1928.

1,089,405, W. S. Ferguson, Reinforced-concrete dock or pier, filed Sept. 14, 1929, D. C., E. D. Mich. (S. Div.), Doc. 3723, J. D. Carey et al. v. Ford Motor Co. Same, D. C., S. D. Calif. (Los Angeles), Doc. L-122-H, W. S. Ferguson et al. v. City of Los Angeles. Dismissed without prejudice Apr. 27, 1929. Same, filed Sept. 12, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-37-H, The Dock & Terminal Engineering Co. et al. v. The City of Los Angeles.

1,128,292, E. H. Colpitts, Electric wave amplifier; 1,432,022, R. A. Heising, Circuit connection of electron-discharge apparatus; 1,483,273, D. G. Blattner, Circuit for heating the filaments of audions; 1,493,595, same, amplifying with vacuum tubes; 1,504,537, H. D. Arnold, Power-limiting amplifying device; 1,544,943, E. O. Scriven, Electric wave repeater for multiplex transmission, filed Sept. 13, 1929, D. C., S. D. N. Y., Doc. E 50/178, Western Electric Co., Inc., et al. v. General Talking Pictures Corp.

1,129,942, H. D. Arnold, Gaseous repeater in circuits of low impedance; 1,403,475, same, Vacuum-tube circuit; 1,465,332, same, Vacuum-tube amplifier, filed Sept. 13, 1929, D. C., S. D. N. Y., Doc. E 50/178, Western Electric Co., Inc., v. General Talking Pictures Corp.

1,158,123, B. A. Fessenden, Apparatus for generating and receiving electromagnetic waves, D. C., S. D. Calif. (Los Angeles), Doc. E O-86-M, Radio Corp. of America et al. v. F. W. Falck (Advance Electric Co.). Patent held infringed, June 24, 1929.

1,173,079, E. F. Alexanderson, Selective tuning system; 1,195,632, W. C. White, Circuit connection of electron-discharge apparatus; 1,251,377, A. W. Hull, Method of and means for obtaining constant direct-current potentials; 1,334,118, C. W. Rice, System for amplification of small currents, D. C., S. D. Calif. (Los Angeles), Doc. E O-64-M, Radio Corp. of America et al. v. F. W. Falck (Advance Electric Co.). Patents held valid and infringed (notice Sept. 10, 1929).

1,183,573, 1,183,574, J. Le Page, Cutting rolls; 1,437,429, same, Machine for making steel-cut cereals; 1,682,454, W. M. Williams, Coffee-cutting machine, filed Sept. 16, 1929, D. C., S. D. N. Y., Doc. E 50/180, F. B. Gump Co. v. J. Burns & Sons, Inc.

1,183,574. (See 1,183,573.)

1,183,878, R. V. Hartley, Electrical circuit; 1,231,764, F. Lowenstein, Telephone relay; 1,465,332, H. D. Arnold, Vacuum-tube amplifier, D. C., S. D. Calif. (Los Angeles), Doc. O-85-M, Radio Corp. of America et al. v. F. W. Falck (Advance Electric Co.). Patent held infringed June 24, 1929.

1,195,632. (See 1,173,079.)

1,206,018, M. J. Moloney, Method of making welt shoes, D. C., W. D. N. Y. (Buffalo), Doc. E 1012, *A. Moloney et al. v. F. A. Kuhnert Shoe Corp.* Decree Aug. 23, 1929.

1,231,764 (a), F. Lowenstein, Telephone relay; 1,426,754, R. C. Mathes, Circuits for electron-discharge device, filed Sept. 13, 1929, D. C., S. D. N. Y., Doc. E 50/177, *Western Electric Co., Inc., et al. v. General Talking Pictures Corp.*

1,231,764 (b). (See 1,183,875.)

1,251,377. (See 1,173,079.)

1,269,134, M. J. Trumble, Crude petroleum and natural gas separator, filed Sept. 13, 1929, D. C., S. D. Calif. (Los Angeles), Doc. E Q-38-M, *F. M. Townsend et al. v. Lorraine Corp.*

1,281,711, F. B. Thompson, Photographic-film-treating apparatus, D. C., S. D. Calif. (Los Angeles), Doc. J-62-H, *G. S. Thompson et al. v. Famous Players Lasky Corp.* Dismissed without prejudice June 28, 1929.

1,320,384. (See 1,325,944.)

1,325,944, H. R. Hughes, Rotary boring drill; 1,320,384, Godbold & Fletcher, Drill cutter; 1,480,014, F. L. Scott, Self-cleaning roller drill, appeal filed July 1, 1929, C. C. A., 10th Cir., Doc. 129, *Hughes Tool Co. v. International Supply Co.*

1,329,283, 1,398,665, H. D. Arnold, Thermionic amplifier; 1,349,252, same, Method of and means for utilizing thermionic currents; 1,448,550, same, Thermionic amplifier circuits; 1,520,994, same, Electron-discharge amplifier; 1,432,863, K. S. Johnson, Transmission system; 1,442,439, R. C. Mathes, Vacuum-tube repeater, filed Sept. 13, 1929, D. C., S. D. N. Y., Doc. E 50/175, *Western Electric Co., Inc., et al. v. General Talking Pictures Corp.*

1,334,118. (See 1,173,079.)

1,334,423, H. E. Warren, Indicator for electrically-driven clocks; 1,502,494, same, Time-indicating apparatus, filed Sept. 16, 1929, D. C., S. D. Ohio, W. Div., Doc. E 624, *Warren Telechron Co. v. The Kodel Electric & Mfg. Co.*

1,349,252. (See 1,329,283.)

1,376,154, J. M. Morris, Electrical lighting device, filed Sept. 14, 1929, D. C., W. D. N. Y., Doc. 69, *F. A. Smith Mfg. Co., Inc., v. W. H. Amy.*

1,398,665. (See 1,329,283.)

1,403,475. (See 1,129,942.)

1,426,754. (See 1,231,764(a).)

1,429,089, C. R. Olberg, Rotary scraper; 1,554,522, J. S. Reynolds, Scraper; 1,554,523, same, Scoop-control mechanism for scrapers; 1,642,826, same, Rotary scraper with automatic elevating control, D. C., S. D. Calif. (Los Angeles), Doc. E O-50-J, *O. M. Reynolds et al. v. Atlas Scraper Co. et al.* Consent decree dismissing bill without prejudice Apr. 23, 1929.

1,432,022. (See 1,128,292.)

1,432,863. (See 1,329,283.)

1,437,429. (See 1,183,573.)

1,442,439. (See 1,329,283.)

1,448,550. (See 1,329,283.)

1,460,716, B. F. Greer, Book-form savings bank, D. C., S. D. Calif. (Los Angeles), Doc. E N-71-J, *Bankers Utilities Co., Inc., et al. v. Hollywood Building & Loan Ass'n.* Dismissed with prejudice Aug. 26, 1929.

1,465,332. (See 1,129,942 and 1,183,875.)

1,480,014. (See 1,325,944.)

1,483,273. (See 1,128,292.)

1,493,595. (See 1,128,292.)

1,502,494. (See 1,334,423.)

1,504,537. (See 1,128,292.)

1,520,994. (See 1,329,283.)

1,544,943. (See 1,128,292.)

1,554,522. (See 1,429,089.)

1,554,523. (See 1,429,089.)

1,600,162, L. W. Browne, Float-arm mounting, appeal filed Sept. 9, 1929, C. C. A., 10th Cir. Doc. 158, *The Fisher Governor Co., Inc., v. C. F. Camp Co.*

1,601,469, W. L. Carter, Air register, D. C., S. D. Calif. (Los Angeles), Doc. N-113-H, *Waterloo Register Co. v. O. Atherton et al.* Decree finding noninfringement Sept. 5, 1929.

1,639,246, F. L. Willrodt, Steering attachment for tractors, filed Sept. 12, 1929, D. C. Nebr. (Omaha), Doc. E 1041, *F. L. Willrodt v. Nichol Mfg. Co.*

1,642,826. (See 1,429,089.)

1,659,830, P. Moyer, Sectional curb guard, filed Sept. 12, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-36-J, *T. Moyer v. City of Los Angeles.*

1,665,365, Hunt & Ropp, Apparatus for forming a mold for a column with a base, D. C., S. D. Calif. (Los Angeles), Doc. E O-71-J, *Raymond Concrete Pile Co. v. B. E. Bertram (Bertram Drilling Co.) et al.* Consent decree for plaintiff July 10, 1929.

1,667,190, S. L. Campbell, Rotary underreamer, D. C., S. D. Calif. (Los Angeles), Doc. E N-103-J, *J. Grant v. Mac Clatchie Mfg. Co.* Dismissed without prejudice on stipulation July 9, 1929.

1,682,454. (See 1,183,573.)

1,725,500, V. P. Writer, Tam-pressing machine, filed Sept. 13, 1929, D. C., S. D. N. Y., Doc. E 50/174, *Anderson & Writer Corp. v. H. Beret, Inc., et al.*

Des. 63,464, D. Gerber, Ice-cream cone, filed Sept. 16, 1929, D. C., Mass., Doc. E 3161, *The Maryland Baking Co. v. J. London.*

Disclaimers

1,576,747.—*Henry L. Hoffmann*, East Orange, N. J. TELEPHONE SYSTEM. Patent dated March 16, 1926. Disclaimer filed October 16, 1929, by the assignee, *Western Electric Company, Incorporated.*

Hereby enters this disclaimer to the said claims of said Letters Patent which are in the following words to wit:

"1. A telephone system comprising trunk lines, an operator's telephone set, a first subscriber's line, means responsive to the connection of said first subscriber's line to any one of said trunks to connect the operator's telephone set thereto, a second subscriber's line, a link circuit for connecting to said second subscriber's line, and means operative upon the connection of said link circuit to said second subscriber's line to connect said link circuit to the said trunk circuit.

"2. A telephone system comprising trunk lines, an operator's telephone set, a calling line, means for connecting any one of said trunks to said calling line, an electromagnetic means operative when a trunk is seized to connect the operator's telephone set thereto, other subscribers' lines, a link circuit for connecting with any one of said other subscribers' lines, and a second electromagnetic means operative responsive to the connection of said link circuit to one of said other subscribers' lines for connecting the link circuit to the trunk line."

"4. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, automatically operated means responsive thereto for connecting the operator's telephone set to the seized trunk, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, and a second automatically operated means responsive to the seizure of the subscriber's line by the link circuit and the seizure of the trunk circuit for associating the link circuit with the seized trunk line.

"5. A telephone system comprising trunk lines, an operator's telephone set, a first subscriber's line, means for connecting any one of said trunks to said first subscriber's line, means for automatically connecting the operator's telephone set to a trunk line when said trunk line is so seized, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means for automatically connecting the link circuit to said seized trunk line when the link circuit has seized a subscriber's line."

"7. A telephone system comprising trunk lines, an operator's telephone set, a first subscriber's line, means for connecting any one of said trunks with said first subscriber's line, means operative when a trunk is so seized to connect the operator's telephone set thereto, other subscribers' lines, a link circuit for connecting with any one of said other subscribers' lines, means operative responsive to the connection of said link circuit to one of said other subscribers' lines to connect the link circuit with said trunk line, and means operative when said other

subscriber's line is seized for disconnecting the operator's telephone set from the seized trunk line.

"8. A telephone system comprising trunk lines, an operator's telephone set, a first subscriber's line, means for connecting any one of said trunks to said first subscriber's line, means operative when a trunk is so seized to connect the operator's telephone set thereto, other subscribers' lines, a link circuit for connecting with any one of said other subscribers' lines, means operative responsive to the connection of said link circuit to one of said other subscribers' lines to connect the link circuit with the trunk line, and means operative when the link circuit is connected to the seized trunk line to disconnect the operator's telephone set therefrom.

"9. A telephone system comprising trunk lines, an operator's telephone set, a first subscriber's line, means for connecting any one of said trunks with said first subscriber's line, means operative when a trunk is so seized to connect the operator's telephone set thereto, means to indicate the seizure of a trunk, other subscribers' lines, a link circuit for connecting with any one of said other subscribers' lines, and means operative responsive to the connection of said link circuit to one of said other subscribers' lines to connect the link circuit with the trunk line."

"11. A telephone system comprising trunk lines, an operator's position at one end of said trunks, a first subscriber's line terminating at said position, an operator's position at the other end of said trunks, means at the first mentioned operator's position for connecting any one of said trunks, means operative when a trunk is seized to connect the second mentioned operator's telephone equipment thereto, means for indicating to the first mentioned operator when the second mentioned operator's equipment is associated with the seized trunk, other subscribers' lines, a link circuit at the second operator's position for connecting with any one of said other subscribers' lines, and means operative responsive to the connection of said link circuit to one of said other subscribers' lines to connect the link circuit with said trunk line.

"12. A telephone system comprising trunk lines, an operator's position at one end of said trunks, an operator's position at the other end of said trunks, means at the first mentioned operator's position for seizing any one of said trunks, means operative when a trunk is seized for connecting thereto, a means operated in response to the connection of the second mentioned operator's equipment to the seized trunk to transmit a momentary signal to the first mentioned operator's position over said seized trunk, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, and means operative when a trunk line and a subscriber's line are seized to connect the link circuit with the trunk line."

"15. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative responsive to the seizure of said trunk line and said subscriber's line to connect the link circuit with the trunk line, and means associated with the link circuit operative when the subscriber's line is seized to indicate to the operator that the subscriber's line is not otherwise engaged.

"16. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative when the trunk line and a subscriber's line are seized to connect the link circuit with the trunk line, and a visual signal in said link circuit operated when a subscriber's line is seized to indicate that the subscriber's line is not otherwise engaged.

"17. A telephone system, comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative when the trunk line and a subscriber's line are seized to connect the link circuit with the trunk line, and a visual signal in said link circuit operated when a subscriber's line is seized and before the trunk line is connected to the link circuit."

"19. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative when the trunk line and a subscriber's line are seized to connect the link circuit with the trunk line, means for disconnecting the link circuit from a trunk line when said trunk line is released, and a signal intermittently operated when the link circuit is released.

"20. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative when the trunk line and a subscriber's line are seized to connect the link circuit with the trunk line, and an indicating means operative when the

link circuit is disconnected from the subscriber's line but still connected to the seized trunk line.

"21. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative when the trunk line and a subscriber's line are seized to connect the link circuit with the trunk line, and an intermittently operated signal actuated when the link circuit is disconnected from the subscriber's line but still connected to the seized trunk line."

"22. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative when the trunk line and a subscriber's line are seized to connect the link circuit with the trunk line, and an intermittently operated visual signal actuated when the link circuit is disconnected from the subscriber's line but still connected to the seized trunk line."

"30. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's telephone set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative responsive to the connection of said link circuit to one of said subscribers' lines to connect the link circuit with said trunk circuit, and means responsive thereto for automatically ringing the seized subscriber's line."

"32. A telephone system comprising trunk lines, an operator's telephone set, means for seizing any one of said trunks, means operative when a trunk is seized to connect the operator's set thereto, subscribers' lines, a link circuit for connecting with any one of said subscribers' lines, means operative when the trunk line and a subscriber's line are seized to connect the link circuit with the trunk line, means for disconnecting the link circuit from the trunk line when it is no longer seized, and signaling means operative to give a distinctive signal indication when the link circuit is no longer connected to the trunk line and another distinctive signal when the subscriber, on the connected subscriber's line hangs up his receiver."

1,599,851.—*Fred D. Terry*, Pasadena, Calif. FLY EXTRACTORS. Patent dated September 14, 1926. Disclaimer filed October 14, 1929, by the patentee and assignee, *Terry Fly Spray Company.*

Hereby makes disclaimer of such interpretation of the words "mineral oil" in claim 2, and the words "mineral oil solvent" in claim 3 as would include gasoline.

1,605,921.—*Warren W. Carpenter*, Queens, N. Y. TELEPHONE EXCHANGE SYSTEM. Patent dated November 9, 1926. Disclaimer filed October 16, 1929, by the assignee, *Western Electric Company, Incorporated.*

Hereby enters this disclaimer to the said claims of said Letters Patent which are in the following words to wit:

"1. In a telephone system, lines, a plurality of common senders for storing designations sent over said lines, progressively operable switches, a controlling mechanism common to said senders, means for connecting said mechanism with any one of the senders, and means under the direct control of said mechanism for directly operating said switches to extend said lines.

"2. In a telephone system, telephone lines, a plurality of common senders for receiving and storing designations sent over said lines, progressively movable switches, a controlling mechanism common to said senders, means for connecting said mechanism with any sender, said sender arranged to transfer its designation to the controlling mechanism, and means controlled by said mechanism for directly moving said switches to extend said lines.

"3. In a telephone system, lines, a plurality of common senders for storing designations sent over said lines, progressively movable switches, a switch controlling mechanism common to said senders and also common to said switches, and means under the direct control of said mechanism for directly operating any one of said switches to extend said lines.

"4. In a telephone system, lines, a plurality of common senders for receiving and storing designations sent over said lines, progressively operable switches, a controlling mechanism common to said senders and also common to said switches, means for connecting said mechanism with any sender, means for connecting said mechanism to one of said switches, and means controlled by said mechanism for directly advancing the switch.

"5. In a telephone system, telephone lines, a plurality of common senders for storing designations sent over said lines, a plurality of progressively movable switches comprising a switching stage, a controlling marker com-

mon to said senders and common to said switches, means for connecting said marker with any of said senders, means for extending a calling line to one of said switches, means for connecting said marker to the particular switch to which said calling line is extended, and means under the control of said marker for operating said switch."

"7. In a telephone system, lines, a plurality of common senders for receiving designations sent over said lines, a plurality of switches each arranged for a plurality of separate movements, a controlling mechanism common to said senders and common to said switches, means for connecting said mechanism with one of said senders, means for connecting said mechanism to one of said switches, and means for operating the switch to which such mechanism is connected in each of its movements."

"8. In a telephone system, lines, a register sender for storing designations sent over said lines, progressively operable switches, a controlling mechanism normally disassociated from said sender, means for connecting said mechanism to said sender, means for connecting said mechanism to one of said switches, and means controlled by said mechanism for directly operating said switches to extend said lines."

"9. In a telephone system, subscribers' lines, a register sender for receiving and storing designations transmitted over said lines, progressively operable switches, a switch controlling marker normally disassociated from said sender and from said switches, means for connecting said marker to said sender, means for connecting said marker to desired one of said switches, and means under the direct control of said marker for selectively operating the particular switch to which said marker is connected for extending a subscriber's line."

"10. In a telephone system, lines, a register sender for storing designations, progressively operable switches, a plurality of controlling mechanisms to which said sender is common, means for connecting said sender to any one of said mechanisms, and means under the control of the connected mechanism for directly operating one of said switches to extend a line."

"11. In a telephone system, telephone lines, a plurality of common senders for receiving and storing designations, progressively movable switches, a plurality of controlling mechanism common to said senders, means for connecting an idle mechanism to any one of said senders, means separate from the sender for connecting such mechanism to one of said switches, and means under the control of the connected mechanism for directly operating the switch to extend a telephone line."

Interference Notices

U. S. PATENT OFFICE, Washington, Oct. 15, 1929.

The heirs, assigns, or legal representatives of Roger D. Hunneman, deceased, take notice:

An interference has been declared by this Office between the application of Nathaniel E. Loomis, box 16, Elizabeth, N. J., for patent and patent granted July 10, 1928, No. 1,878,609, to Roger D. Hunneman, of 2226 East Sixty-eighth Street, Chicago, Ill. The Office having been notified of the death of said Hunneman and a notice of such declaration sent by registered mail to his heirs at the address of record having been returned by the post office as undeliverable, notice is hereby given that unless the heirs, assigns, or legal representatives of said Hunneman shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 16, 1929.

Jacob C. Swimmer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hydrocarbon Products Company, Inc., 117 Liberty Street, New York, N. Y., for registration of a trade-mark and trade-mark registered September 20, 1927, No. 232,826, to Jacob C. Swimmer, 124 Clay Street, Brooklyn, N. Y., and a notice of such declaration sent by registered mail to said Swimmer at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Swimmer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 25, 1929.

Harry Odell, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of William Emmett Shacklett, of 201 West Main Street, Louisville, Ky., for patent and patent granted August 25, 1925, No. 1,551,047, to Harry Odell, of Locust Street and Preston Road, Preston, Ky., and a notice of such declaration sent by registered mail to said Odell at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Odell, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, Washington, October 15, 1929.

Imperial Automobile Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Chrysler Corporation, of 341 Massachusetts Avenue, Detroit, Mich., to effect the cancellation of the trade-mark registration of Imperial Automobile Company, of Jackson, Mich., No. 82,442, dated June 27, 1911, and a notice of such proceeding sent by registered mail to the said Imperial Automobile Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Imperial Automobile Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 5, 1929

[Vol. 388. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 282,687. UNITED COLLIERIES, INCORPORATED, Ashland, Ky. Filed Apr. 19, 1929.

MOONSHINE

Applicant is owner of registration No. 114,146, Dec. 5, 1916.
For Coal.
Claims use since Jan. 1, 1922.

Ser. No. 283,233. STONEHENGE GRANITE COMPANY, now by change of name to The Mountain Cross Granite Company, Denver and Salida, Colo. Filed Apr. 29, 1929.



For Quarried Stone.
Claims use since Apr. 8, 1929.

Ser. No. 285,291. MONSANTO CHEMICAL WORKS, St. Louis, Mo. Filed June 8, 1929.

SANTOLITE

For Resinous Condensation Products Used Alone or in Combination with Other Materials to Form Films, Threads, Lacquers, Varnishes, Sheets, Molding Compositions, Impregnating Compositions, and Waterproofing Compositions.
Claims use since Apr. 30, 1929.

Ser. No. 287,615. INDEPENDENT GRAVEL COMPANY, Joplin, Mo. Filed July 24, 1929.

**CHEERFUL CHICK
GRIT**



The word "Grit" is disclaimed apart from the mark as shown. The drawing is lined to indicate the colors red, blue, and yellow.

For Crushed Limestone Grit for Poultry.
Claims use since Apr. 16, 1929.

Ser. No. 287,616. INDEPENDENT GRAVEL COMPANY, Joplin, Mo. Filed July 24, 1929.

**HAPPY HEN
GRIT**



The word "Grit" is disclaimed apart from the mark as shown. The drawing is lined to indicate the colors red, blue, and yellow.

For Crushed Limestone Grit for Poultry.
Claims use since Apr. 16, 1929.

Ser. No. 288,132. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Aug. 5, 1929.

Country Club



For Charcoal and Lawn Seed.
Claims use since Mar. 1, 1929.

Ser. No. 289,365. THE J. G. PEPPARD SEED COMPANY, Kansas City, Mo. Filed Sept. 5, 1929.

UTILITY

For Mixed Lawn Seed, Pasture Grass Mixtures, and General Line of Farm and Field Grass Seed.
Claims use since Aug. 1, 1929.

Ser. No. 289,437. BLACKWOOD COAL & COKE COMPANY, Philadelphia, Pa. Filed Sept. 7, 1929.



The trade-mark consists in a plurality of red specks of irregular size on the surface of the lumps, no claim being made to the lump of coal per se.

For Coal.
Claims use since July 11, 1929.

Ser. No. 289,567. BLACKWOOD COAL & COKE COMPANY, Philadelphia, Pa. Filed Sept. 10, 1929.



The trade-mark consists in a plurality of yellow specks of irregular size on the surface of the lumps, no claim being made to the lump of coal per se.

For Coal.
Claims use since Aug. 28, 1929.

CLASS 2

Receptacles

Ser. No. 286,941. PAUL KOHLLOFF, Mamaroneck, N. Y. Filed July 11, 1929.

CHINKY-ZU

For Paper Cartons.
Claims use since June, 1928.

Ser. No. 289,780. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Sept. 14, 1929.

PEACOCK

For Cases for Spectacles and Eyeglasses.
Claims use since May 17, 1929.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 282,855. HAMLEY & COMPANY, Pendleton, Oreg. Filed Apr. 23, 1929.



The geographical words "Pendleton Oregon" are disclaimed apart from the mark as shown on the drawing.
For Stock Saddles, Breast Collars, Chaparrajos, Holsters, and Bridles.

Claims use since Sept. 19, 1923.

Ser. No. 286,831. MAX DAMM COMPANY, INC., Newark, N. J. Filed July 9, 1929.



For Sample Cases and Brief Cases.
Claims use since May, 1923.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 286,241. LEWIS W. GILLETTE, Pittsburgh, Pa. Filed June 27, 1929.



The words "Shaving Cream" are hereby disclaimed apart from the mark shown.

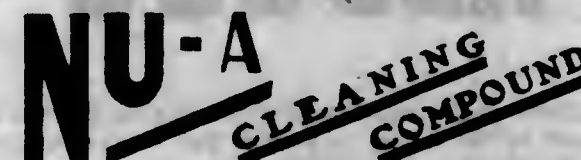
For Shaving Cream.
Claims use since June 10, 1929.

Ser. No. 287,178. AUGUSTE DOUSSELIN, Lyon, France. Filed July 16, 1929.

BLUEPACK

For Cleaner in Liquid, Powdered, Block, and Paste Form for Use in Cleaning the Hands, Metalware Used in Kitchens, Bathtubs, Marble, Window Panes, Stone Stairs, Sinks, Enameled Objects, Tile, Mosaic Work, Flooring, and for Use in Polishing Metals.
Claims use since June 2, 1929.

Ser. No. 288,544. ADELE M. BEHRENDT, San Antonio, Tex. Filed Aug. 15, 1929.



The words "Cleaning Compound" are disclaimed apart from the other features of the mark shown in the drawing.

For Vegetable Oil Preparation for Cleaning Fabrics, Rugs, Floors, Walls, and Varnish Surfaces.
Claims use since Mar. 7, 1929.

Ser. No. 289,426. VELVET HAND SOAP CO., INC., Bloomfield, N. J. Filed Sept. 6, 1929.

"MY-BESS"

For Plain Hand and Grit Hand Soaps.
Claims use since Aug. 19, 1929.

Ser. No. 289,450. DARNBY, INC., New York, N. Y. Filed Sept. 7, 1929.

CHALOMAY

For Toilet Soap.
Claims use since Aug. 19, 1929.

Ser. No. 289,728. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.

Filene's

For Soaps and Shoe Polish.
Claims use since Jan. 1, 1928.

Ser. No. 289,826. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Sept. 16, 1929.

Finesse

For Toilet Soap.
Claims use since June 14, 1929.

CLASS 5

Adhesives

Ser. No. 289,308. THE CASEIN MANUFACTURING COMPANY OF AMERICA, INC., Wilmington, Del. Filed Sept. 4, 1929.



For Glue.
Claims use since 1919.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 271,498. WILLIAM C. NALLE, Washington, D. C., assignor to Health Products Corporation, Newark, N. J., a Corporation of New Jersey. Filed Aug. 24, 1928.

Dillard's Aspergum

For Chewing Gum Containing Aspirin.
Claims use since on or about May 28, 1928.

Ser. No. 271,926. EAGLES & SUTTON, Burbank, Calif.
Filed Sept. 5, 1928.

Golden-rod

For Preparation for the Treatment of the Hair.
Claims use since June 1, 1928.

Ser. No. 279,913. COLOR CRAFT CHEMICALS CORPORATION,
New York, N. Y. Filed Feb. 26, 1929.



No claim is made to the exclusive use of the words
"Color Sells Your Product" apart from the mark shown.
For Aniline Dye Colors and Dipping Dye Colors.
Claims use since Jan. 8, 1925.

Ser. No. 284,287. WILLIAM E. BOYCE, doing business as
Boyce Natural Health Society, New York, N. Y. Filed
May 20, 1929.

NA-TRE

For Medicinal Herbs Used for Stimulating an Increased
Flow of Bile from the Liver and for Aiding Intestinal
Elimination.
Claims use since Apr. 1, 1928.

Ser. No. 284,748. SEECK & KADE, INC., New York, N. Y.
Filed May 28, 1929.

PERTUSSIN

For Medicinal Preparation Recommended for the Treat-
ment of Coughs, Irritations of the Throat, Catarrhal Con-
ditions, and Affections of the Respiratory Tract Generally.
Claims use since Feb. 14, 1896.

Ser. No. 285,133. SOCIÉTÉ DE PRODUITS CHIMIQUES
CERIOA, Paris, France. Filed June 4, 1929.

CÉRINIL

For Rare-Earth Compound Used in Liquid Form and in
Ampoules for the Treatment of Tuberculosis, Anaemia,
Chlorosis, Diseases of the Skin and Blood, Rickets, as an
Internal Antiseptic and Antitoxin, and in All Cases Where
the Use of Radium is Indicated.
Claims use since Nov. 15, 1928.

Ser. No. 285,152. JAMES DUNSON, New Orleans, La.
Filed June 6, 1929.



The words "Face Cream" appearing on the drawing are
disclaimed apart from the mark as shown.
For Toilet Cream.
Claims use since Jan. 1, 1927.

Ser. No. 286,753. THE FLUID-D'OR COMPANY LIMITED,
Winnipeg, Manitoba, Canada. Filed July 8, 1929.

REDUSO

For Chemical Preparation Used for Taking Mineral-Bath
Treatment in the Home, to Reduce Fat, or for the Reduc-
tion of Weight, and Used Only Externally.
Claims use since Jan. 1, 1928.

Ser. No. 287,543. PHILADELPHIA SEED COMPANY, Philadel-
phia, Pa. Filed July 23, 1929.

**PURGRAIN
PIGEON GRIT**

The words "Pigeon Grit" are herein disclaimed apart
from the mark shown.
For Tonic for Poultry.
Claims use since Feb. 1, 1929.

Ser. No. 287,023. HENRY W. OWENS, Gainesville, Fla.
Filed July 24, 1929.

Owen's



For Preparation Used in the Treatment of Hog Cholera.
Claims use since January, 1928.

Ser. No. 287,852. FREDERICK W. WARD, doing business as
The Zoe-Gen Company, Los Angeles, Calif. Filed July
29, 1929.

ZOE-GEN

For General Tonic.
Claims use since Nov. 1, 1914.

Ser. No. 287,929. ABE JOHNSON, Waterbury Conn. Filed
July 31, 1929.



The portrait is fanciful.
For Face Powder, Lipstick, Rouges, Face Creams, Tal-
cum Powder, Bath Salts, Bath Powder, Hand Lotion,
Rouge and Powder Compacts, Depilatories, Brilliantine,
Hair Preparation, Perfumes, Toilet Waters, Deodorants.
Claims use since about Aug. 1, 1928.

Ser. No. 288,153. GEORGE S. RAIZIS, Athens, Greece.
Filed Aug. 5, 1929.



For Medicine for Treating Malaria.
Claims use since Aug. 8, 1928.

Ser. No. 288,228. COSMIQUE LABORATORIES, INC., doing
business as Dixie Belle Laboratories, Memphis, Tenn.
Filed Aug. 7, 1929.



For a Hair Tonic, Hair Dressing, a Preparation for
Promoting Growth of the Hair, Hair-Pressing Oil, an
Ointment for Treating Skin Ailments, a Skin Bleach, a
Deodorant, a Shampoo, a Hair Color Restorer, a Lotion
for Treating Sunburn, a Face Powder, and Facial Creams.
Claims use since July 15, 1929.

Ser. No. 288,237. THE HUERTANO DRUG CO., Walsenburg,
Colo. Filed Aug. 7, 1929.

**THAT
STUFF**

For Hand Lotion.
Claims use since June, 1911.

Ser. No. 288,313. IRVING SYDNOR BARKSDALE, Greenville,
S. C. Filed Aug. 9, 1929.

CITRIN

For Preparation for the Reduction of Blood Pressure.
Claims use since May, 1927.

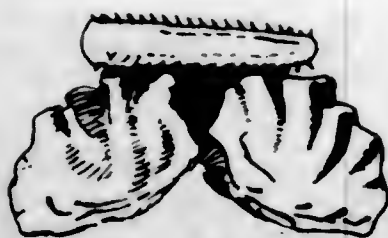
Ser. No. 288,527. TRES GYOGYSZER-VEGETSZETI IPARI ES KERESKEDELMI R.T., Budapest, Hungary. Filed Aug. 14, 1929.

Salvacid

For Medicines and Pharmaceutical Preparations in Form of Tablets, Pastilles or Liquids for Injection to Be Used for the Treatment of Hyperacidity, Ulcer of the Stomach and Duodenum, Gastric Catarrh (Acute and Chronic), Hyperemesis of Pregnancy (Pregnancy Vomiting), Stomach Complaints of the Pregnant Women, Postnarcotic Vomiting, Seasickness.

Claims use since Feb. 1, 1926.

Ser. No. 288,621. FRANK SANDERSON, Topeka, Kans. Filed Aug. 16, 1929.



SHELLSAW

For Preparation for Piles.
Claims use since June, 1922.

Ser. No. 288,712. LONE STAR GAS COMPANY, Dallas, Tex. Filed Aug. 19, 1929.



No claim is made herein to the words "Made by" and "Dallas, Texas" apart from the mark shown in the drawing.

For Liquefied Natural Gas Which Liquefied Natural Gas is Packaged and Held Under Pressure in Cylinder and Containers in Such Manner That the Product Which the Consumer Gets Therefrom is Gas.

Claims use since Apr. 1, 1928.

Ser. No. 288,877. STERLING PRODUCTS COMPANY, Easton, Pa. Filed Aug. 22, 1929.

STERILAIR

For Moth Preventive.
Claims use since Aug. 28, 1928.

Ser. No. 289,140. ZONA VIDA COMPANY, INC., Dallas, Tex. Filed Aug. 28, 1929.



The portrait appearing in the drawing is fanciful. The light lines are for shading.
For Beauty Clay.
Claims use since June 10, 1929.

Ser. No. 289,149. WILLIAM B. GOLDBAUM, doing business as Datzit Chemical Co., New York, N. Y. Filed Aug. 29, 1929.

DATZIT

For Chemical Preparation to be Used on Felts for Hats for Obtaining a Brilliant Finish Thereon.
Claims use since May, 1929.

Ser. No. 289,167. JEAN STUART COSMETICS, INC., New Haven, Conn. Filed Aug. 29, 1929.

JUNIOR DEB

For Skin Cream, Skin Powder, Bath Salts, Skin Lotion, Skin Salve, Sachet Powder, Perfume, Manicuring Cream, Manicuring Lotion, Manicuring Polish, Hair Tonic, Hair Lotion, and Liquid Shampoo-Soap.
Claims use since July 1, 1928.

Ser. No. 289,433. ALLEN & ALLEN, INC., Providence, R. I. Filed Sept. 7, 1929.

ALITE

For Chemicals for Dyeing, Bleaching, Scouring, or Fulling of Textile Fabrics, Leather, and Paper.
Claims use since Mar. 31, 1927.

Ser. No. 289,459. GOLD BOND STERILIZING POWDER CO. INC., Fairhaven, Mass. Filed Sept. 7, 1929.

GOLD BOND

For Toilet Powder.
Claims use since May 12, 1908.

Ser. No. 289,550. E. R. SQUIBS & SONS, New York, N. Y. Filed Sept. 9, 1929.

Epheds

For Capsules of an Ephedrin Mixture for the Treatment of Head Colds, Asthma, Hay Fever, and the Like.
Claims use since Aug. 24, 1929.

Ser. No. 289,743. FUCHS & MARCUS, doing business under the name of F & M Products Co., New York, N. Y. Filed Sept. 13, 1929.

LA FRIMOZE

For Facial Creams.
Claims use since Sept. 3, 1929.

Ser. No. 289,907. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Wilmington, Del., and Louisville, Ky. Filed Sept. 17, 1929.



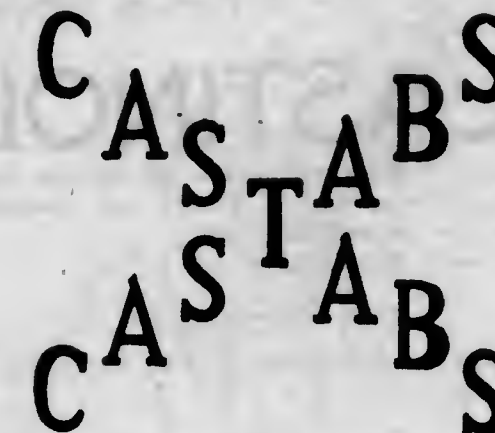
The said corporation disclaims the words "Nicotine Sulphate" apart from the mark shown in the drawing.
For Tobacco Extracts and Nicotine Solutions and Compounds for Insecticide Purposes—Namely, as Regards Agricultural, Horticultural, Veterinary, Poultry, Household, and Sanitary Uses.
Claims use since December, 1910.

Ser. No. 289,947. SHARIT CHEMICAL CO. INC., New York, N. Y. Filed Sept. 18, 1929.

ALFAMINE

For Medicinal Antiseptics.
Claims use since Aug. 31, 1929.

Ser. No. 289,961. KATHERINE A. CLARK, New York, N. Y. Filed Sept. 19, 1929.



For Candy Laxative.
Claims use since July 15, 1929.

Ser. No. 289,962. "CRISTALLO" A.-G., Thuzis, Switzerland. Filed Sept. 19, 1929.



For Preparation for Stimulating Metabolism.
Claims use since June, 1929.

Ser. No. 289,965. "CRISTALLO" A.-G., Thuzis, Switzerland. Filed Sept. 19, 1929.



No claim is made to the words "Trade Mark" appearing on the drawing.
For Preparation for Stimulating Metabolism.
Claims use since March, 1929.

Ser. No. 290,012. JEROME DE MOTT, doing business as Ma-Phed-Ol Laboratories, New York, N. Y. Filed Sept. 20, 1929.

MA-PHED-OL

For Inhalant.
Claims use since July 1, 1929.

Ser. No. 290,038. SOCIETE ANONYME DE PRODUITS CHIMIQUES INDUSTRIELS ET VITICOLES, Paris, France. Filed Sept. 20, 1929.

PLASTINOL

For Chemical Product Adapted to Modify the Physical and the Plastic Properties of Pastes and Compositions Employed in the Ceramic Industry.
Claims use since May 22, 1929.

Ser. No. 290,053. GEORGE C. BLAINE, New York, N. Y. Filed Sept. 21, 1929.



No claim is made to the words "Trade Mark" apart from the mark shown on the drawing.
For Body Deodorant.
Claims use since Sept. 9, 1929.

Ser. No. 290,075. JOSEPH MARGOLIN, doing business as Willdoo Exterminating Products Co., Bayonne, N. J. Filed Sept. 21, 1929.



For Roach Powder for Exterminating Roaches and Their Eggs; Rodent Destroyer, a Grain Preparation for Destroying Rats and Mice; Liquid Insect Killer for Destroying Moths, Ants, Bedbugs, Lice, Fleas, Roaches, Water Bugs and Their Eggs, and Liquid Special for Destroying Flies and Mosquitoes.
Claims use since July 5, 1929.

Ser. No. 290,076. WALTER L. MAY, doing business as Ruthine Laboratories, Alameda, Calif. Filed Sept. 21, 1929.

Ruthine

For Tissue Oil.
Claims use since Nov. 1, 1928.

Ser. No. 290,095. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Wilmington, Del., and Louisville, Ky. Filed Sept. 21, 1929.

"Black Leaf 40"

A CONCENTRATED SOLUTION

NICOTINE - SULPHATE

Applicant disclaims the words "A Concentrated Solution of Nicotine-Sulphate" apart from the mark shown on the drawing.

For Tobacco Extracts and Nicotine Solutions and Compounds for Insecticide Purposes—Namely, as Regards Agricultural, Horticultural, Veterinary, Poultry, Household, and Sanitary Uses.

Claims use since December, 1910.

Ser. No. 290,116. CLIO ET CLAIRE, LTD., INC., New York, N. Y. Filed Sept. 23, 1929.

Clio et Claire

For Astringents, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Dry Rouges, Liquid Rouges, Hand Lotions, Skin Lotions, After-Shaving Lotions, Pomades, Face Powders, Talcum Powders, Hair Salves, Hair Elixirs, Bath Salts, Lip Sticks, Dentifrices, Tooth Pastes, Perfumes and Toilet Waters.

Claims use since about May 24, 1925.

Ser. No. 290,180. INTRAVENOUS PRODUCTS CO. OF AMERICA, INC., New York, N. Y. Filed Sept. 24, 1929.

ENDOglobin

For General Tonic Builder Indicated in Nutritional Disturbances During Convalescence and for Anemia, Debility, Chlorosis, and Neurasthenia, Put Up in Ampule and Compound Forms.

Claims use since 1919 on ampules and since January, 1929, on the compound.

Ser. No. 290,226. LOUIS S. STEIN, doing business as The Pain-O-Caps Co., Hibbing, Minn. Filed Sept. 25, 1929.

STEIN'S PAIN-O-CAPS

For Preparation Used in the Treatment of Headache, Head Colds, Painful Menses, Muscular Pains, Neuralgic Pains, and Pain Following Tooth Extraction.

Claims use since July 1, 1927.

Ser. No. 290,238. HUGO BRECKLEIN & SON, Kansas City, Mo. Filed Sept. 26, 1929.

RUBIKONS

For Antiseptic.
Claims use since Sept. 18, 1929.

Ser. No. 290,274. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Sept. 26, 1929.

NUPERCAINE

For Local Anesthetic.
Claims use since July 31, 1929.

Ser. No. 290,280. VON WINKLER LABORATORIES, INC., Chicago, Ill. Filed Sept. 26, 1929.



For Pharmaceutical Composition for the Treatment of Skin Diseases, Burns, Cuts, Wounds, Sunburns, and Scalds.
Claims use since July 16, 1929.

Ser. No. 290,281. VON WINKLER LABORATORIES, INC., Chicago, Ill. Filed Sept. 26, 1929.

SRINS

For Medicinal Compound for Scalp Treatment.
Claims use since July 15, 1929.

CLASS 7

Cordage

Ser. No. 290,064. THE GRADY-TRAVERS COMPANY, New York, N. Y. Filed Sept. 21, 1929.

SEACREST

For Rope and Twine.
Claims use since July 16, 1928.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 289,494. BALFOUR GUTHRIE & Co., San Francisco, Calif. Filed Sept. 9, 1929.



For Firecrackers.
Claims use since on or about July 5, 1929.

Ser. No. 289,910. VULCAN MATCH CO., INC., New York, N. Y. Filed Sept. 17, 1929.



No claim being made to the exclusive use of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 289,911. VULCAN MATCH CO., INC., New York, N. Y. Filed Sept. 17, 1929.



No claim being made to the exclusive use of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

CLASS 12

Construction Materials

Ser. No. 272,107. LAVA CRUCIBLE COMPANY OF PITTSBURGH, Pittsburgh, Pa. Filed Sept. 8, 1928.



No claim is made to the word "Lava" apart from the mark as shown in the accompanying drawing.
For Heat-Insulating Material for Furnaces in Which Diatomaceous Earth is a Base.
Claims use since about Jan. 1, 1928.

Ser. No. 280,607. HILL BRICK COMPANY, East St. Louis, Ill. Filed Mar. 12, 1929.



The color lining on the drawing merely indicates shading. The words "Egyptian Buffs" are not claimed apart from the showing.
For Brick.
Claims use since Oct. 1, 1928.

Ser. No. 285,713. THE INSULITE COMPANY, International Falls and Minneapolis, Minn. Filed June 17, 1929.



For Fibre Composition Board to be Used as Exterior Finish, Sound-Deadening and Acoustical Correction, Roof Lap, Roof, Wall, and Refrigerator Insulation, and Similar Structures.
Claims use since about June 1, 1914.

Ser. No. 287,045. THE CELOTEX COMPANY, Chicago, Ill. Filed July 13, 1929.



No claim is made to the words "Brand" and "Insulating Cane Board."
For Composition of Material For Wall Boards, Linings for Houses, Plaster Bases, Box-Making Material, and Heating-Insulating Lumber.
Claims use since Aug. 20, 1928.

Ser. No. 289,506. CHICAGO MILL AND LUMBER CORPORATION, Chicago, Ill. Filed Sept. 9, 1929.



For Fibre Boards in Sheet Form to be Used as Insulating Board and/or Wall Board and as a Substitute for Wood, Metal, or Other Construction Materials.
Claims use since on or about Aug. 5, 1929.

Ser. No. 289,516. HASKELITE MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 9, 1929.



For Embossed Wooden Panels.
Claims use since Jan. 1, 1929.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 270,581. FORD MOTOR COMPANY, Fordson, Mich. Filed Aug. 4, 1928.



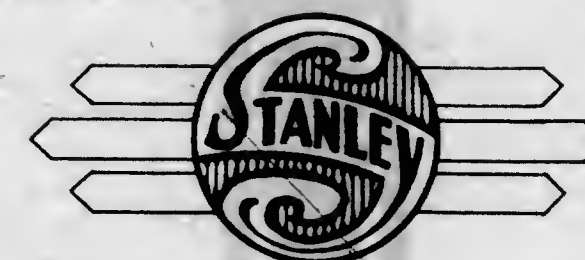
The applicant is the owner of trade-mark registrations No. 74,530, dated July 20, 1909; No. 74,765, dated Aug. 10, 1909; No. 115,500, dated Feb. 20, 1917; and No. 125,702, dated June 3, 1919.

For Drive Chains, Bolts, Screws, Nuts, Washers, Hinges, Cotter Pins, Clevis Pins, Cocks, Plugs, Rivets, Metal Pipes, Metal-Pipe Fittings, Hose Clamps, Hose Clips, Pipe Clamps, Pipe Clips, Wire and Conduit Holding Clips, Studs, Keys, Springs for General Use, and Globe, Gate, and Relief Valves.
Claims use since Feb. 15, 1895.

CLASS 16

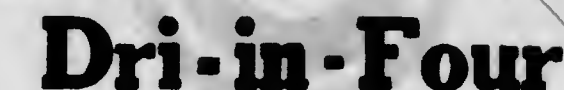
Paints and Painters' Materials

Ser. No. 265,550. STANLEY LEJKOWSKI, doing business as The Stanley Lejkowski Company, New Britain, Conn. Filed Apr. 28, 1928.



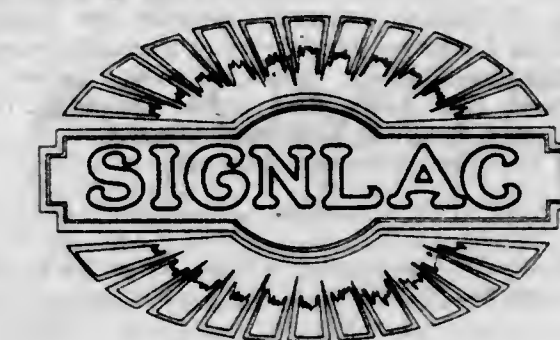
For Varnishes and Stains.
Claims use since Nov. 22, 1927.

Ser. No. 272,346. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Sept. 13, 1928.



For Quick-Drying Varnishes and Paint Enamels.
Claims use since May 22, 1928.

Ser. No. 278,363. T. J. RONAN CO. INC., Brooklyn, N. Y. Filed Jan. 23, 1929.



No registration rights are claimed for the word "Signlac."
For Lacquers, Paint Enamels, and Thinners.
Claims use since Jan. 5, 1929.

Ser. No. 281,269. THE CLIMAX CLEANER MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 25, 1929.



For Paints in Paste Form, Varnishes, Putty and Seam Compounds in the Nature of Putty Used for Filling Cracks, Nicks, and Seams of Boats, Thinners for Paints and Varnishes, and Preparations Containing Lead, Oil, and Zinc for Priming and Coating Surfaces.
Claims use since about Jan. 17, 1929.

Ser. No. 287,085. HERBERT E. MARTINI, doing business as The Martini Artists Color Laboratories, Long Island City, N. Y. Filed July 13, 1929.



For Practical Painting Sets.
Claims use since November, 1927.

Ser. No. 289,172. GEO. BAKER & SONS, INC., Brockton, Mass. Filed Aug. 30, 1929.



For Tacks.
Claims use since Aug. 24, 1929.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 289,279. INDIANA STEEL & WIRE COMPANY, Muncie, Ind. Filed Sept. 3, 1929.



The words "Muncie, Ind." and "Galvanizing" are disclaimed.
For Galvanized Wire.
Claims use since June 14, 1929.

Ser. No. 289,953. ALLIED DIE-CASTING CORPORATION, Long Island City, N. Y. Filed Sept. 19, 1929.



For Die Castings and Die-Casting Metal.
Claims use since July 15, 1929.

Ser. No. 290,106. REPUBLIC BRASS CORPORATION, New York, N. Y. Filed Sept. 21, 1929.



For Nonferrous Metals and Alloys Thereof in the Form of Sheets, Strips, Rods, Rolls, Wire, Shapes, Stampings, and Pressings Produced by Casting, Rolling, Drawing, Extruding, Forging, Swaging, Heading, Stamping, or Electrodeposition.
Claims use since Dec. 10, 1928.

Ser. No. 287,805. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed July 29, 1929.



For Nitrocellulose Lacquers and Dryers Used in the Manufacture of Varnishes and Enamels, Cellulose Ester Lacquers, Varnishes, Enamels, Solvents for Lacquers, Thinners for Lacquers, Varnishes and Enamels, Inorganic Paint Pigments—Namely, Red Iron Oxide, Yellow Iron Oxide, Black Iron Oxide, Zinc Oxide, Chromium Oxide, Enamel Colors, Brushing Lacquers.
Claims use since about Oct. 28, 1928.

Ser. No. 289,207. SAPOLIN CO. INC., New York, N. Y. Filed Aug. 30, 1929.

RONORO

For Surface-Finishing Preparations as Follows: Enamel Paints, Aluminum Paints, Polishing Wax for Polishing Automobiles, Floors, and Other Surfaces Where a Polish or Luster Finish is Desired.
Claims use since Aug. 23, 1929.

Ser. No. 290,376. WALTER ALLAN PORTEOUS, doing business as Nite-Glo Chemical Co., Philadelphia, Pa. Filed Sept. 28, 1929.

NITE-GLO

For Luminous Paint.
Claims use since June 21, 1929.

CLASS 17.

Tobacco Products

Ser. No. 287,432. JOHN WAGNER & SONS, Philadelphia, Pa. Filed July 20, 1929.



For Cigars, Cigarettes, and Tobacco.
Claims use since Oct. 8, 1918.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 270,583. FORD MOTOR COMPANY, Fordson, Mich. Filed Aug. 4, 1928.

Ford

For Vehicle Gasoline Tanks, Vehicle Springs and Shackles, Spring Clips and Radiators Used in the Manufacture and Assembling of Vehicles, Vehicle Brackets and Supports, Tire Carriers, Luggage Carriers, Battery Carriers, Axle Shafts, Axles, Vehicle Oil and Dust Pans, Steering-Gear Covers, Wheels, Vehicle Hoods and Hood Members, Vehicle Fenders and Fender Parts, Running Boards, Hubs, Hub Caps, Demountable Rims, Brake Cylinders, Vehicle Bodies, Chassis, Vehicle Frames and Frame Assembly, Vehicle Bumpers, Shock Absorbers, Car Tops, Metal Tires, Mirrors and Windshields Used in the Manufacture and Assembling of Vehicles, Windshield Wipers and Automatic Windshield Wipers and Parts Thereof, and Air-planes.

Claims use since Nov. 1, 1927, on shock absorbers, Jan. 1, 1928, on bumpers, Oct. 23, 1925, on airplanes, and Feb. 15, 1895, on other goods mentioned.

Ser. No. 287,120. CONTINUOUS TORQUE TRANSMISSION COMPANY, Cleveland, Ohio. Filed July 15, 1929.

SIXTY-FORTY

For Wheel and Axle Attachments and Frame Extensions for Road Trucks.
Claims use since December, 1928.

Ser. No. 288,888. THE WESTINGHOUSE AIR BRAKE CO., Wilmerding, Pa. Filed Aug. 22, 1929.



No claim is made to the word "Brake" apart from the mark shown in the drawing.
For Brakes for Automotive Vehicles.
Claims use since Aug. 7, 1929.

Ser. No. 289,169. WHEELER SHIPYARD, Brooklyn, N. Y. Filed Aug. 29, 1929.

PLAYMATE

For Motor Boats.
Claims use since May 13, 1927.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 287,709. MANNINGTON MILLS, INCORPORATED, Salem, N. J. Filed July 26, 1929.



The drawing being lined to indicate the color red.
For Stencilled Felt-Base Rugs and Floor Coverings.
Claims use since Nov. 1, 1927.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 268,918. ELECTRAD, INC., New York, N. Y. Filed June 30, 1928.

TONATROL

For Variable Resistances Whose Primary Function is to Limit Electric Currents with Practically No Resulting Generation of Heat.
Claims use since June 28, 1926.

Ser. No. 270,284. ELECTROLUX, INC., New York, N. Y. Filed July 28, 1928.

ELECTROLUX

For Electrically Driven Household Appliances, Comprising Floor Polishers and Parts Therefor.
Claims use since Feb. 11, 1928.

Ser. No. 271,869. AERIAL INSULATOR CO., INC., Green Bay, Wis. Filed Sept. 4, 1928.

Radio Lite Tenna

For Radioantenna and Combined Ornamental Lamp.
Claims use since June 20, 1928.

Ser. No. 286,440. THE MASSILLON REFRACTORIES COMPANY, Tuscarawas Township, Stark County, Ohio. Filed July 1, 1929.

ALUMITE

For Electric Research Furnaces, Electric Research Furnace Doors, Electric Laboratory Furnaces, Electric Laboratory* Furnace Doors, Electric Special-Process Furnaces, Electric Special-Process Furnace Doors, Electric Educational Furnaces, Electric Educational Furnace Doors, Electric Industrial Furnaces, and Electric Industrial Furnace Doors.
Claims use since on or about July 1, 1920.

Ser. No. 287,037. BARITONE MANUFACTURING COMPANY, Chicago, Ill. Filed July 13, 1929.

Baritone

For Loud-Speakers, Radio Receiving Sets, and Switches.
Claims use since Mar. 9, 1926.

Ser. No. 289,555. UNITED ENTERPRISES, INCORPORATED, Cleveland, Ohio. Filed Sept. 9, 1929.

USA'YAL

For Electric Vacuum Cleaners.
Claims use since Aug. 1, 1929.

Ser. No. 289,571. BURGESS BATTERY COMPANY, Madison, Wis. Filed Sept. 10, 1929.

BEN HUR

For Electric Batteries.
Claims use since Aug. 8, 1929.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 273,835. THE GRAY LINE, INC., Baltimore, Md. Filed Oct. 11, 1928.



The lining is to indicate the color blue in the diamond.
For Toy Automobiles.
Claims use since December, 1925.

Ser. No. 281,548. THE DESIGN-O-GRAPH LIMITED, Toronto, Ontario, Canada, and Boston, Mass. Filed Mar. 29, 1929.

DESIGN - O - GRAPH

For Geometrical Toys.
Claims use since Oct. 1, 1928.

Ser. No. 286,741. WM. E. CODE, M. D., Chicago, Ill. Filed July 8, 1929.

CODE OFFICIAL BALL CODE

No claim is made to the exclusive use of the words "Official Ball" apart from the mark as shown in the drawing.

For Rubber and Composition Balls Used Particularly in Games Characterized by Kicking a Ball.
Claims use since May 10, 1929.

Ser. No. 287,355. CHARLES H. MILBURN, doing business as Mosquito Flyer Airplane Company, New York, N. Y. Filed July 19, 1929.



No claim is made to the exclusive use of the word "Flyer" apart from the mark shown in the drawing.

For Toy Airplanes and Parts and Kits of Associated Parts for Use in the Assembly and Construction of Toy Airplanes.

Claims use since June 1, 1929.

Ser. No. 288,151. ALFRED S. WITTER, doing business as Traps Manufacturing Company, Seattle, Wash. Filed Aug. 5, 1929.

BANK

The body of the letters are colored green and the border yellow.

For Game in Which a Round Object is Shot or Thrown Against a Resilient Bank or Wall and Rebounds Toward Compartments.

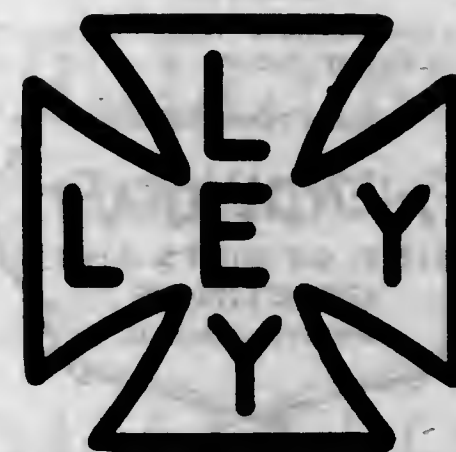
Claims use since Apr. 10, 1929.

Ser. No. 289,410. THE MURRAY OHIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Sept. 6, 1929.

GRAF ZEPPELIN

For Wheeled Toy Vehicles.
Claims use since about Aug. 21, 1929.

Ser. No. 289,686. NIBLETT-JEFFRIES CORPORATION, New York, N. Y. Filed Sept. 12, 1929.



For Golf Balls.
Claims use since on or about Mar. 11, 1929.

Ser. No. 289,913. ZEPHYR RACQUET PRESS LIMITED, London, England. Filed Sept. 17, 1929.

ZEPHYR

For Tennis-Racquet Presses and Tennis and the Like Racquets.

Claims use since July 1, 1924, on tennis-racquet presses, and since Apr. 18, 1928, on tennis racquets.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 268,149. DEUTSCHE WERKE KIEL AKTIENGESELLSCHAFT, Kiel, Germany. Filed June 16, 1928.



For Steam Engines, Gas Engines, Oil Engines, Diesel Engines, Gasoline Engines, Petrol Engines, Internal-Combustion Engines, Explosion Engines, Turbines, Locomotives, Traction Engines, Tractors, Engine Gears, Machinery Bearings, Machinery Couplings, Clutches, Machinery Shafts, Pumps, Winches, Air Compressors, Injectors, Governors, Lubricators, Filters and Strainers for Gasoline or Oil Engines, Oil and Water Separators, Riveting Machines, Riveting Tools, Pneumatic Riveting Machines, and Parts of All These Goods. Derricks, Cranes, Capstans and Winches for Ships, Mechanical-Loading Devices, Mechanical-Launching Devices for Airplanes.
Claims use since May 28, 1925.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 289,012. GEMEX COMPANY, Newark, N. J. Filed Aug. 26, 1929.



No claim is made to the word "Princeton" apart from the mark shown.

For Watch Bracelets, Watch Straps, Watch Attachments—Namely, Fobs and Charms, Neck Chains, Watch Chains, Bracelets, Scarf Pins, Finger Rings, and Belt Buckles, and Ear and Hair Ornaments Made of or Plated with Precious Metal.

Claims use since July 15, 1929.

Ser. No. 289,018. GEMEX COMPANY, Newark, N. J. Filed Aug. 26, 1929.

CASSANDRA

For Watch Bracelets, Watch Straps, Watch Attachments—Namely, Fobs and Charms, Neck Chains, Watch Chains, Bracelets, Scarf Pins, Finger Rings, and Belt Buckles, and Ear and Hair Ornaments Made of or Plated with Precious Metal.

Claims use since July 15, 1929.

Ser. No. 289,014. GEMEX COMPANY, Newark, N. J. Filed Aug. 26, 1929.

PHYLISS

For Watch Bracelets, Watch Straps, Watch Attachments—Namely, Fobs and Charms, Neck Chains, Watch Chains, Bracelets, Scarf Pins, Finger Rings, and Belt Buckles, and Ear and Hair Ornaments Made of or Plated with Precious Metal.

Claims use since July 15, 1929.

Ser. No. 289,486. STEPHEN VARNI, doing business as Stephen Varni Co., New York, N. Y. Filed Sept. 7, 1929.

VARNISTAR

For Jewelry for Personal Wear Consisting of Crystal Ornaments.

Claims use since May 28, 1929.

Ser. No. 289,664. ISRAEL D. CHERNICK, New York, N. Y. Filed Sept. 12, 1929.

GOODMORAL

For Jewelry for Personal Wear Not Including Watches.
Claims use since May 28, 1929.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 288,950. AMERICAN CHINAWARE CORP., Cleveland, Ohio. Filed Aug. 24, 1929.



For Plates, Dishes, Platters, Cups Made of Semiporcelain.
Claims use since June 20, 1929.

Ser. No. 289,717. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.

Filene's

For Salt and Pepper Shakers, Dishes, Trays, Vases and Jars, Kitchen Spice Sets, and Ornaments, Meaning by Such Term Small Figures of Men, Animals, and Certain Inanimate Objects Made of Crockery, Earthenware, and Porcelain and Used for Ornamental Purposes.
Claims use since Jan. 1, 1928.

CLASS 32

Furniture and Upholstery

Ser. No. 279,683. LOUIS RASTETTER & SONS, Fort Wayne, Ind. Filed Feb. 20, 1929.

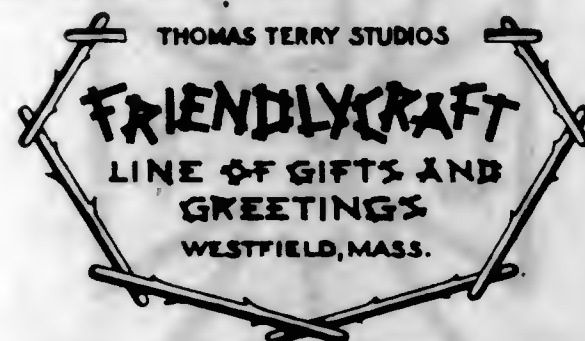


The words "The Bridge Set" are not claimed apart from the trade mark.
For Folding Chairs, Suitable for Use in Households, Assembly Halls, Etc.
Claims use since July, 1927.

CLASS 33

Glassware

Ser. No. 283,898. THOMAS TERRY STUDIOS, Westfield, Mass. Filed May 11, 1929.



The words "Westfield, Mass., Line of Gifts and Greetings" are disclaimed apart from the mark as shown in the drawing.

For Salad Plates and Bowls, Sliced-Lemon Plates, Bonbon Dishes, Vases, Candy Jars, Tumblers, Pitchers, Toilet Bottles, and Powder-Puff Jars, All of Glass.
Claims use since on or about Apr. 25, 1929.

Ser. No. 285,316. XETAL SAFETY GLASS, LIMITED, Stapleford, England. Filed June 8, 1929.

XETAL

For Glass and Strengthened Glass in Sheets or Tubes, Unmounted Wind Screens, Unmounted Window Panes, and Unmounted Lens for Spectacles and Goggles, All of Glass or of Strengthened Glass.
Claims use since July 15, 1926.

Ser. No. 289,735. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.

Filene's

For Ornaments, Meaning by Such Term Small Figures of Men, Animals, and Certain Inanimate Objects Made of Glass and Used for Ornamental Purposes; Flowers, Meaning by Such Term Artificial Glass Flowers, Hot Dish Plates, Toilet-Water Sets, Bottles, Salt and Pepper Shakers, Dishes, Trays, Jars, Vases, Medicine Bottles and Flasks, Made of Glass.
Claims use since Jan. 1, 1928.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not Including Electrical Apparatus

Ser. No. 272,493. HYNES & COX ELECTRIC CORPORATION, Albany, N. Y. Filed Sept. 15, 1928.

DUOSTAT

For Electrical Domestic Water Heaters.
Claims use since Mar. 1, 1928.

Ser. No. 286,529. ELGIN ROWLAND PARKER, doing business as Merit Manufacturing Company, Los Angeles, Calif. Filed July 2, 1929.

CHALLENGE

For Gas-Burning Water Heaters.
Claims use since Aug. 1, 1928.

Ser. No. 288,370. BARKER BROS. INCORPORATED, Los Angeles, Calif. Filed Aug. 10, 1929.

QUALITOR

For Stoves for Cooking, Baking, and Heating, not including Electric Stoves; Gas-Actuated Space-Heating Appliances, Gas-Actuated Hot-Water Heaters.
Claims use since May 1, 1928.

CLASS 37

Paper and Stationery

Ser. No. 268,210. CALIFORNIA-OREGON PAPER MILLS, Los Angeles, Calif. Filed June 18, 1928.

Sunshine Kraft

For Wrapping Paper and Tray Paper.
Claims use since June, 1925.

Ser. No. 282,394. CARL FR. BRAUER GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Stettin, Germany. Filed Apr. 15, 1929.



For Japanese Fibrous Paper, Wax Stencil Sheets, Indestructible Stencil Sheets, Stencil Sheets Made of Japanese Fibrous Paper.
Claims use since Jan. 22, 1923.

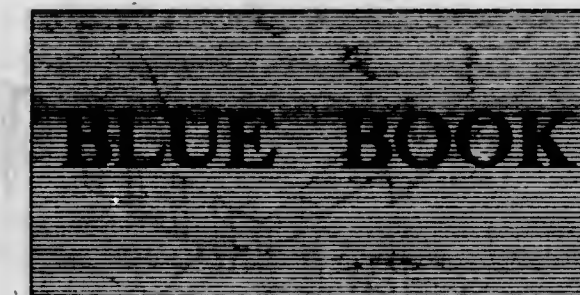
Ser. No. 284,030. LOUIS F. DOW CO., St. Paul, Minn. Filed May 15, 1929.

Goodwill Advertising

The word "Advertising" is hereby disclaimed apart from the mark shown on the drawing.

For Pencils, Memo Books, Printed Score Cards, Paper Weights, Telephone Indexes, Small Hand Sharpeners, Screw Pencils, Pencil Points, Fountain Pens, Pencil Boxes and Cases, Pass Books; All Kinds of Paper—Namely, Newsprint, Ledger, Bond, Safety, Wrapping and Cover, Wall, Crepe, Tissue, Blotting, Cooking, Filtering, Corrugated, Enamelled Book, Waxed, and Straw; Drawing Paper, Writing Paper, Tracing Paper, Lithographing Paper, Writing Pads, Noteheads, Billheads, Bookmarks, Magazine Pencils, Paper Linings, Lead Pencils, Paper Knives Made of Bone or Composition, Inkwells, Inkstands, Hand Blotters, Drawing Pencils and Crayons, Desk Pads, Covers for Catalogs and Pamphlets, Correspondence Cards, Scrapbooks and Albums.
Claims use since October, 1921.

Ser. No. 284,923. ALBERT P. CLOES & CO., INC., Seattle, Wash. Filed June 3, 1929.



The trade-mark consists of the words "Blue Book" on a blue background. Applicant specifically disclaims the words "Blue Book" except as used upon a blue background. For Books for Accounting and Bookkeeping Systems.
Claims use since Mar. 5, 1928.

Ser. No. 285,360. W. H. S. LLOYD CO., INC., New York, N. Y. Filed June 10, 1929.



For Wall Paper.
Claims use since July, 1924.

Ser. No. 286,023. BRITAINS, LIMITED, Cheddleton, England. Filed June 24, 1929.

KARBALTO

For Tissue Paper Generally but More Particularly Those Adapted to be Made into Carbon Paper, Stereotyping Tissues, and Copying Tissues.

Claims use since Feb. 21, 1929.

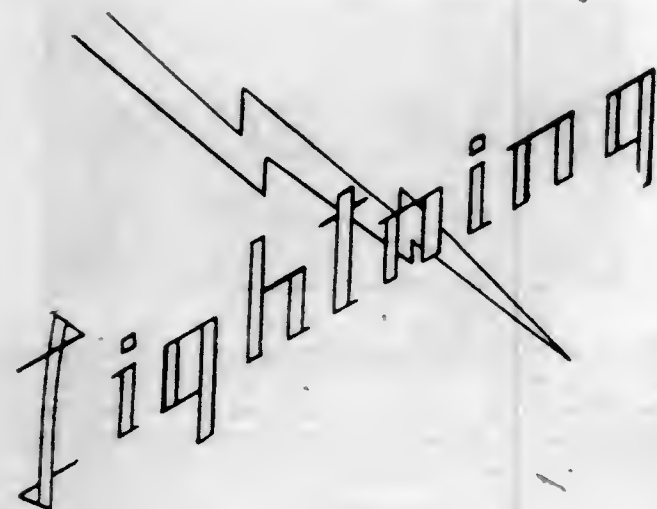
Ser. No. 286,024. BRITAINS, LIMITED, Cheddleton, England. Filed June 24, 1929.

SECKARB

For Tissue Paper Generally but More Particularly Those Adapted to be Made into Carbon Paper, Stereotyping Tissues, and Copying Tissues.

Claims use since Feb. 21, 1929.

Ser. No. 287,981. SPECIALTY ENVELOPE COMPANY, Newport, Ky. Filed Aug. 1, 1929.



For Correspondence and Mailing Envelopes and Writing Paper.

Claims use since Mar. 28, 1928.

Ser. No. 289,107. GOTHAM TISSUE CORPORATION, Bronx, N. Y. Filed Aug. 28, 1929.



Applicant disclaims the use of the word "Best" apart from the mark as shown.

For Toilet Paper and Paper Facial Tissues.
Claims use since Jan. 1, 1924.

Ser. No. 289,108. GOTHAM TISSUE CORPORATION, Bronx, N. Y. Filed Aug. 28, 1929.



The drawing of the application is lined to indicate a blue color.

For Toilet Paper and Paper Facial Tissues.

Claims use since Oct. 1, 1923.

Ser. No. 289,376. UNION CARD & PAPER COMPANY, New York, N. Y. Filed Sept. 5, 1929.

Engravers

For Writing and Printing Paper, Mailing and Correspondence Envelopes, and Cardboard.

Claims use since Feb. 1, 1926.

Ser. No. 289,621. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Sept. 11, 1929.



For Toilet Paper.

Claims use since July 17, 1929.

Ser. No. 289,738. WM. FOLEY'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.



For Writing Pads, Writing Paper, Mailing Envelopes, Memorandum Books, Pen Points, Fountain Pens, Pencils, Feather Pens (Quills), Paper Napkins, Desk Sets, Paper Files, Bookmarkers, Gift-Wrapping Papers, Paper Seals, Inkwells, Inkstands.

Claims use since prior to Jan. 1, 1923.

CLASS 38

Prints and Publications

Ser. No. 279,985. THE CALVERT-HATCH CO., Cleveland, Ohio. Filed Feb. 27, 1929.



For Monthly Magazine.

Claims use since Nov. 1, 1927.

Ser. No. 285,226. F. A. OWEN PUBLISHING CO., Danville, N. Y. Filed June 7, 1929.

NORMAL INSTRUCTOR and PRIMARY PLANS

For Monthly Periodicals.

Claims use since May, 1914.

Ser. No. 286,174. INSTITUTE FOR THE CRIPPLED AND DISABLED, New York, N. Y. Filed June 26, 1929.



For Publication Published Once a Month.
Claims use since on or about Mar. 1, 1918.

Ser. No. 287,353. JAMES W. LOWRIE, Chicago, Ill. Filed July 19, 1929.



For Monthly Magazine.

Claims used since January, 1929.

Ser. No. 287,557. BLOSSOMS ART COMPANY, Merriam, Kans. Filed July 24, 1929.

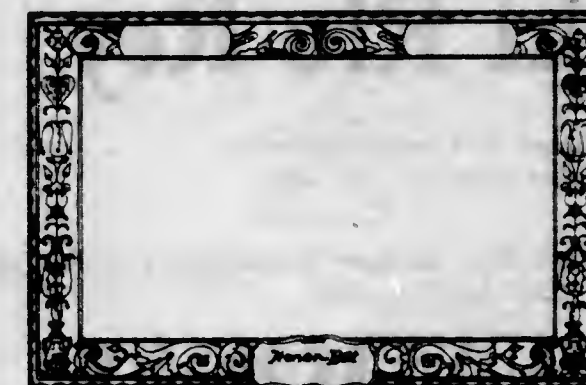


"Kansas City, Missouri, U. S. A." being a geographical term, is disclaimed.

For Books, Music, Mottoes.

Claims used since July 16, 1928.

Ser. No. 288,539. HENRY ELLIS HARRIS, Boston, Mass. Filed Aug. 14, 1929.



For Postage Stamps for Collections.
Claims use since Sept. 30, 1927.

Ser. No. 289,096. E. J. BRACH & SONS, Chicago, Ill. Filed Aug. 28, 1929.



The drawing is lined for blue.

For Periodical.

Claims use since Jan. 17, 1928.

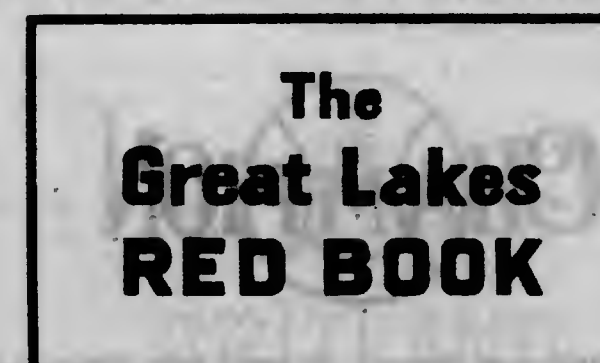
Ser. No. 289,138. WESTERN BUILDING FORUM, San Francisco, Calif. Filed Aug. 28, 1929.



For Monthly Publication.

Claims use since Apr. 1, 1929.

Ser. No. 289,289. THE FENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed Sept. 3, 1929.



For Annual Marine Directory.
Claims use since Apr. 1, 1904.

Ser. No. 289,340. DAILY RUNNING HORSE, INC., New York, N. Y. Filed Sept. 5, 1929.

El Rio Rey

For Column in a Daily Publication.
Claims use since Aug. 31, 1929.

Ser. No. 289,582. GEHRING PUBLISHING CO., New York, N. Y. Filed Sept. 10, 1929.

NATIONAL HOTEL REVIEW

For Magazine.
Claims use since Feb. 3, 1923.

Ser. No. 290,204. The AMERICAN COLLEGE OF PHYSICIANS, Philadelphia, Pa. Filed Sept. 25, 1929.

ANNALS OF INTERNAL MEDICINE

For Periodical Medical Journal.
Claims used since July 1, 1927.

CLASS 39 Clothing

Ser. No. 238,658. LESSEL PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 15, 1926.

Cuddle-In

For Infant's Retaining Blankets Having an Opening for the Head.
Claims use since February, 1925.

Ser. No. 271,119. JAS. A. HEARN & SON INC., New York, N. Y. Filed Aug. 16, 1928.



For Girls' and Women's Bloomers and Waists and Skirts.

Claims use since January, 1916, on girls' and women's bloomers and waists, and since June, 1928, on skirts and sweaters.

Ser. No. 274,029. WYMAN, PARTRIDGE & CO., Minneapolis, Minn. Filed Oct. 19, 1928.



For Aprons, Bath Robes; Men's, Women's, and Children's Caps and Hats, Bathing Suits; Women's and Children's Dresses, Frocks, and Petticoats, Men's and Women's Neckties; Corsets, Collars, Men's and Women's Coats, Duck Coats, Jackets, and Trousers, Garters, Leather and Fabric Gloves; Men's, Women's, and Children's Knitted and Textile Underwear; Hose Supporters, Mackinaw Coats, Jackets, and Trousers, Nightgowns, Raincoats, Scarfs, Leather Shoes and Leather and Fabric Slippers, Oiled Clothing (Namely Slickers, Hats, Jackets, Pants, Boy's Coats, Hunting Coats, Ponchos), Leather Sport Jackets, Men's Breeches and Knickers, Boys' Knickers and Pants, Play Suits and Rompers, Boys' Shirts and Blouses, Men's Dress Shirts, Pajamas, Belts in the Nature of Garment Supporters, Women's Collar and Cuff Sets of Lace and Textile Fabrics, Suspenders, Arm Bands, Household Rubber Aprons and Gloves, Bloomers, Slips, Infants' Leather and Fabric Shoes and Slippers, Infants' and Children's Bonnets and Hats, Children's Creepers and Pantie Dresses, Boys' Wash Suits, Women's Knickers and Jackets, Women's and Misses' Sport Jackets.
Claims use since Aug. 1, 1928.

Ser. No. 278,733. ASSOCIATED APPAREL INDUSTRIES, INC. Chicago, Ill. Filed Feb. 1, 1929.

MODART

For Corsets, Brassières, and Combination of Corsets and/or Brassières with or without Underwear, Made of Knitted, Netted, and/or Textile Fabrics Intended for the Use of Women.
Claims use since Apr. 17, 1909.

Ser. No. 281,419. GOLDBERG & JOSEPHSON, INC., New York, N. Y. Filed Mar. 27, 1929.



No claim is made to the exclusive use of the words "Suzanne Rey" and "Original" apart from the mark shown in the drawing.

For Women's Wearing Apparel—to wit, Dresses, Gowns, and Wraps.

Claims use since Dec. 5, 1928.

Ser. No. 284,880. THE TIEDEMAN GLOVE CO., Toledo, Ohio. Filed May 31, 1929.



For Gloves and Mittens of Fabric, Leather, Knitted Material, and Combinations Thereof.
Claims use since June 1, 1928.

Ser. No. 285,190. BRAEBURN OF ROCHESTER, INC., Rochester, N. Y. Filed June 7, 1929.

MOVIETONES

For Men's Outer Suits, Coats, Vests, Trousers, and Overcoats.
Claims use since Mar. 4, 1929.

Ser. No. 285,471. R. & G. CORSET CO. INC., New York, N. Y. Filed June 12, 1929.

NUDETTE ULTRA MODERNE

Applicant disclaims the words "Ultra Moderne" when used apart from the mark shown on the drawing.
For Ladies Fitted Undergarment in the Nature of a Corset.
Claims use since May 25, 1929.

Ser. No. 286,147. THE ALLIGATOR COMPANY, St. Louis, Mo. Filed June 26, 1929.

STEPPERS

For Waterproof Protectors of the Legging Type for Men's and Boys' Trousers.
Claims use since June 15, 1929.

Ser. No. 286,392. STERN BROTHERS, New York, N. Y. Filed June 29, 1929.

deb-teen

For Junior Misses' Apparel—Namely, Cloth Coats, Suits, Jackets, Knickers, Dresses, Frocks, Slippers of Felt, Leather and Fabric; Blouses, Scarfs, Waists for Outer and Under Wear, Collar and Cuff Sets, Neckties, Belts for Outer Wear, Sweaters, Smocks, Bloomers, Lingerie—Namely, Petticoats, Slips, Step-Ins, Panties, Bloomers, Shirts, Chemises, Bandettes of Knitted, Netted, and Textile

Fabrics; Bath Robes, Nightgowns, Pyjamas, Negligees, Vests, Corsets, Brassières, Girdles, Aprons, Boots of Leather, and Shoes of Leather, Calfskin, Satin, Brocade and Kid; Overshoes, Sandals, Bathing Shoes, Waterproof Coats and Capes, Bathing Suits, Bathing Caps, Millinery—Namely, Hats, Turbans and Caps; Gloves, Gauntlets of Leather, Suede, Fabric or Wool; Riding Habits, Fur Coats and Capes and Fur Neckpieces; and Hosiery.
Claims use since June 21, 1929.

Ser. No. 287,968. LA VALLE, INC., New York, N. Y. Filed Aug. 1, 1929.

LaValle INCORPORATED NEW YORK

No registration rights are claimed herelu to the phrase "Custom Maker" or to the geographical term "New York" apart from the mark as shown.

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since June 12, 1929.

Ser. No. 288,177. CASANOVA HATS, INC., New York, N. Y. Filed Aug. 6, 1929.

NovaFelt

The word "Felt" appearing on the drawing is disclaimed apart from the other features shown therein.
For Ladies' and Women's Hats.
Claims use since June 15, 1929.

Ser. No. 288,270. BYRNE AND HAMNER DRY GOODS COMPANY, Omaha, Nebr. Filed Aug. 8, 1929.

HI-POWER

For Overalls, Work Pants, Work Jackets, Work Shirts.
Claims use since Mar. 1, 1929.

Ser. No. 288,442. STEINBERGER BROS. GLOVE CORP., New York, N. Y. Filed Aug. 12, 1929.

BRITLAND

For Leather and Fabric Gloves.
Claims use since on or about Jan. 1, 1923.

Ser. No. 288,477. KRAUSS COMPANY, LTD., New Orleans, La. Filed Aug. 13, 1929.



No claim is made to the exclusive use of the words "Children's Hats" which appear on the drawing in connection with the trade-mark.
For Misses' and Children's Hats.
Claims use since July 19, 1929.

Ser. No. 288,498. ESSEX RUBBER COMPANY INC., Trenton, N. J. Filed Aug. 14, 1929.

SKYLARK

For Rubber and Composition Soles and Heels for Boots and Shoes.
Claims use since July 23, 1929.

Ser. No. 288,605. CONVERSE RUBBER COMPANY, Malden, Mass. Filed Aug. 19, 1929.

Skoots

For Boots and Shoes Made of or Containing Rubber and/or Canvas.
Claims use since Aug. 15, 1929.

Ser. No. 288,734. M. C. STONE & SON COMPANY, Lewiston, Me. Filed Aug. 19, 1929.

CHINOOK

For Men's and Boys' Clothing—Namely, Coats, Dress, Negligee, and Work Shirts, Pants, Leggings, and Play Suits; Women's and Children's Clothing—Namely, Coats, Suits, Leggings, and Play Suits.
Claims use since July 30, 1929.

Ser. No. 288,756. MCCROBY STORES CORPORATION, New York, N. Y. Filed Aug. 20, 1929.

Adorable

HOSIERY

Always Admired

No claim is made for the words "Always Admired" and "Hosiery" apart from the marks shown.
For Ladies' Hosiery.
Claims use since about Apr. 1, 1929.

Ser. No. 288,757. MCCROBY STORES CORPORATION, New York, N. Y. Filed Aug. 20, 1929.



No claim is made for the words "Always Admired" and "Hosiery" apart from the mark shown. The picture of the girl shown on the drawing in the specimen is a fanciful picture. The lining shown on the drawing is for shading purposes only.
For Ladies' Hosiery.
Claims use since about Apr. 1, 1929.

Ser. No. 288,839. BOND STORES, INCORPORATED, New York, N. Y. Filed Aug. 22, 1929.



For Overcoats, Coats, Trousers, Suits, and Knickers for Men and Boys.
Claims use since June 15, 1929.

Ser. No. 288,866. THE OUTLET COMPANY, Providence, R. I. Filed Aug. 22, 1929.

HI-PREP

For Young Men's Clothing—Namely, Suits, Reefers, Overcoats, Topcoats, Raincoats, Negligee Shirts, Work Shirts, and Neckties.
Claims use since July 1, 1929.

Ser. No. 289,218. TAZO CLOTHING CORP., New York, N. Y. Filed Aug. 30, 1929.

DUBLWORTH

CLOTHES

The word "Clothes" appearing on the drawing is disclaimed apart from the mark shown.
For Men's and Boys' Suits, Coats, Vests, Trousers, and Overcoats.
Claims use since Aug. 10, 1929.

Ser. No. 289,267. EM-MAY, INCORPORATED, St. Louis, Mo. Filed Sept. 3, 1929.

Sally's

For Footwear—Namely, Men's and Women's Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since July 15, 1929.

Ser. No. 289,579. ARTHUR B. FONTAINE, doing business as Neugent Garment Co. Mfrs., Green Bay, Wis. Filed Sept. 10, 1929.

WETHER-VEST

No claim being made to the word "Vest" apart from the mark as shown in the drawing.
For Vests.
Claims use since July 1, 1929.

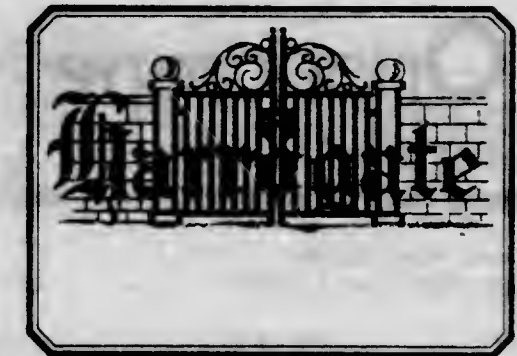
Ser. No. 289,604. STONYK BROS., New York, N. Y. Filed Sept. 14, 1929.

EVERGLADE

FROCKS

The word "Frocks" not being claimed apart from the mark shown in the drawing.
For Women's Dresses.
Claims use since Feb. 1, 1929.

Ser. No. 289,818. BROKAW BROTHERS, New York, N. Y. Filed Sept. 16, 1929.



The geographical term "Harrogate" is disclaimed apart from the mark as shown on the drawing.
For Men's and Boys' Suits, Overcoats, and Sport Suits Consisting of Coat, Long Trousers, Vest, and Knickers.
Claims use since Aug. 10, 1929.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 289,740. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.

Filene's

For Football Canes, Canes, Parasols, Umbrellas.
Claims use since Jan. 1, 1928.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 278,361. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 4, 1928.

NON-KRUSH

CELANESE

No claim is made to the word "Non-Krush" apart from the mark as shown in the drawing.
For Pile Fabrics Containing Cellulose Derivatives.
Claims use since about Sept. 29, 1928.

Ser. No. 276,569. JACOB FISHER, New York, N. Y. Filed Dec. 11, 1928.



For Finished Cotton and Silk and Cotton Piece Goods.
Claims use since Aug. 10, 1928.

Ser. No. 282,293. FORSTMAN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 12, 1929.

Orioncrepe

Applicant is owner of registrations Nos. 193,198 and 261,452.
For Woolen Piece Goods.
Claims use since Mar. 1, 1929.

Ser. No. 283,511. NESTLE PRODUCTS CO. INC., doing business as Cambridge Nestle's Equipment Co., New York, N. Y. Filed May 4, 1929.



For Cotton Sheets, Towels, Pillowcases, Spreads, Blankets, Comfortables, Mattress Covers, and Napkins.
Claims use since Mar. 1, 1928.

Ser. No. 289,206. W. H. ROLLINSON & COMPANY, INCORPORATED, New York, N. Y. Filed Aug. 30, 1929.

Ombrelam

For Cotton Fabric.
Claims use since Aug. 2, 1929.

Ser. No. 289,220. TRIPPE, BARKER & Co., New York, N. Y. Filed Aug. 30, 1929.

CREPE VELVENA

No rights are asserted to the word "Crepe" apart from the mark as shown in the drawing.
For Textile Fabrics of Rayon and Cotton and Mixtures of These Materials.
Claims use since July 26, 1929.

Ser. No. 289,438. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England. Filed Sept. 7, 1929.

FOULETTE

For Woolen Piece Goods.
Claims use since April 30, 1929.

Ser. No. 289,440. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England. Filed Sept. 7, 1929.

GRETYN

For Woolen Piece Goods.
Claims use since Apr. 30, 1929.

Ser. No. 290,140. ALLEN R. MITCHELL & SON, Philadelphia, Pa. Filed Sept. 23, 1929.

ARMSDALE SPORTS FABRIC

No claim being made to the words "Sports Fabric" apart from the mark as shown.
For Textile Goods in the Piece Made Entirely or Partly of Wool, Animal Hair, and Silk.
Claims use since Aug. 15, 1929.

Ser. No. 290,176. C. K. EAGLE & COMPANY, INC., New York, N. Y. Filed Sept. 24, 1929.

ZAN-BARAZA

For Silk Piece Goods.
Claims use since Sept. 16, 1929.

Ser. No. 290,187. EMILE MEYER & Co., doing business as Haslin Mills, New York, N. Y. Filed Sept. 24, 1929.

RAHJEEN

For Cotton Piece Goods.
Claims use since May, 1928.

Ser. No. 290,363. HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Sept. 28, 1929.

SHASTA

For Worsted and Woolen Textile Fabrics.
Claims use since about Jan. 15, 1929.

CLASS 43

Thread and Yarn

Ser. No. 289,908. TUBIZE ARTIFICIAL SILK COMPANY OF AMERICA, Philadelphia, Pa. Filed Sept. 17, 1929.

CHARDONIZE

For Artificial Silk Threads and Yarns.
Claims use since May 13, 1929.

Ser. No. 290,051. ZENITH THREAD COMPANY, Detroit, Mich. Filed Sept. 20, 1929.



For Braided Shoe Thread.
Claims use since Jan. 1, 1927.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 285,183. ULTRA VITA LABORATORIES, INC., New York, N. Y. Filed June 6, 1929.

ULTRA

VITA

For Hair-Waving Machinery, Heaters, and Therapeutic Lamps Used in the Waving of Human Hair.
Claims in use since May 1, 1928.

Ser. No. 286,469. THE AMALGAMATED DENTAL COMPANY, LTD., London, England. Filed July 2, 1929.

PERFOTRAY

For Dental Impression Trays.
Claims use since May 31, 1929.

Ser. No. 287,266. ROSSEL AVIS STENLEY, doing business as The American Beauty Denture Company, Fairmont, W. Va. Filed July 17, 1929.

"ALCOLITE"

For Artificial Dentures.
Claims use since June 12, 1929.

Ser. No. 287,716. PFLEGER MANUFACTURING CO., Milwaukee, Wis. Filed July 26, 1929.



For Therapeutic Electric Lamps and Housings Therefor.
Claims use since Mar. 1, 1929.

Ser. No. 287,818. WELLINGTON W. HALDEMAN, doing business as Northern Laboratories, Minneapolis, Minn. Filed July 29, 1929.

Electro-Halor

For Electric Heaters for Medicinal Liquid Preparations.
Claims use since June 21, 1929.

Ser. No. 287,933. PERFEX ELECTRIC COMPANY, Toledo, Ohio. Filed July 31, 1929.



For Electrotherapeutic Lamps of the Carbon-Arc and Bulb Type and Parts Thereof.
Claims use since July 9, 1928.

Ser. No. 289,261. APPLIED RESEARCH, INC., Chicago, Ill. Filed Sept. 3, 1929.

NU-SOL

For Ultra-Violet and Therapeutic Lamps.
Claims use since Aug. 20, 1929.

Ser. No. 290,364. HALLIWELL-SHELTON ELECTRIC CORPORATION, New York, N. Y. Filed Sept. 28, 1929.

JIFFE-JAX

For Electric Hair Driers.
Claims use since Sept. 1, 1929.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 286,411. ARROWHEAD SPRINGS BEVERAGE CO., Los Angeles, Calif. Filed July 1, 1929.



The drawing is lined to indicate the colors red and gold. The words "Bottled in California" being descriptive and geographical are disclaimed apart from the mark as shown.

For Carbonated, Maltless, Nonalcoholic Beverage Sold as a Soft Drink.

Claims use since 1915.

Ser. No. 289,122. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Aug. 28, 1929.

BLACK

CROWS

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.

Claims use since Aug. 20, 1929.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 242,062. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Dec. 28, 1926.

Premier
FANCY
VEGETABLE
DINNER

No claim is made to the words "Fancy Vegetable Dinner" apart from the mark as shown.

For Canned Vegetables.

Claims use since Dec. 15, 1926.

Ser. No. 256,331. CENTRAL WISCONSIN CANNERIES, Beaver Dam, Wis. Filed Oct. 20, 1927.

JUNE MAID

For Canned Peas.

Claims use since Mar. 15, 1922.

Ser. No. 259,078. RICHMOND-CHASE COMPANY, San Jose, Calif. Filed Dec. 17, 1927.

Pacific Gold

For Canned Fruits—Namely, Apricots, Peaches, Pears, Cherries, Grapes, Plums, Fruits for Salad, and Pineapple; Canned Vegetables—Namely, Artichokes, Asparagus, Beets, Celery, Corn, Peas, Pumpkin, Spinach, String Beans, Tomatoes, and Vegetables for Salad; Prepared Prunes in Syrup.

Claims use since September, 1925.

Ser. No. 259,081. RICHMOND-CHASE COMPANY, San Jose, Calif. Filed Dec. 17, 1927.

Pacific Heights

For Canned Fruits—Namely, Peaches, Apricots, Cherries, Grapes, Pears, Plums, Fruits for Salad, and Pineapple; Canned Vegetables—Namely, Artichokes, Asparagus, Beets, Celery, Corn, Peas, Pumpkin, Spinach, String Beans, Tomatoes, and Vegetables for Salad; Prepared Prunes in Syrup.

Claims use since September, 1925.

Ser. No. 266,453. ARMOR & SON, INC., Philadelphia, Pa. Filed May 16, 1928.



For Fruit Jellies, Jams and Preserves, Vinegar, Mustard Pickles, Gherkins, Mango Relish, Piccalilli Relish, Vegetable Relish, Horse-Radish, and Mince-meat, Mayonnaise, Olive Mayonnaise, and Thousand Island Dressing.

Claims use since September, 1925.

Ser. No. 266,951. PHELAN GROCERY COMPANY, Beaumont, Tex. Filed May 24, 1928.



No claim is made to the word "Value" apart from the mark as shown.

For Coffee.

Claims use since Feb. 15, 1928.

Ser. No. 270,099. TUCKER COFFEE CO., INC., San Antonio, Tex. Filed July 24, 1928.

Air Mail

For Coffee.

Claims use since Mar. 1, 1928.

Ser. No. 271,690. THE EXCHANGE ORANGE PRODUCTS COMPANY, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a Corporation of California. Filed Aug. 29, 1928.



For Fruit Pectin; Pectin Solutions, Compounds, and Preparations; Concentrated Fruit Juices, Dried and Unconcentrated Fruit Juices and Extracts, All Used in the Preparation and Flavoring of Foods; Canned Citrus Peel, Dried Citrus Peel, Dried Citrus Pulp, Dried Citrus Powder, and Candied Citrus Peel.

Claims use since June 26, 1928.

Ser. No. 273,073. SCHNEIDER-BROS. CO., Mount Carmel, Pa. Filed Sept. 27, 1928.

GENA

For Canned Fruits, Canned Vegetables, and Coffee.

Claims use since Aug. 20, 1928.

388 O. G.—3

Ser. No. 275,216. GENERAL BAKING COMPANY, New York, N. Y. Filed Nov. 13, 1928.

Bond Bakers

The descriptive word "Bakers" should be disclaimed apart from the mark as shown on the drawing.

For Bread, Rolls, Doughnuts, Cookies, and Cake.

Claims use since Aug. 15, 1928.

Ser. No. 275,507. HERMAN B. SCHWARTZ and ARTHUR E. AXELSON, Portland, Oreg. Filed Nov. 19, 1928.

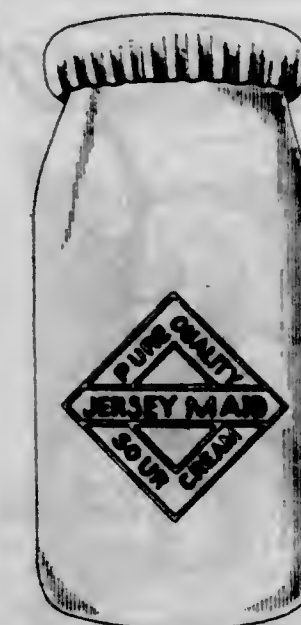


Applicant disclaims the words "Those Good Suckers" and the word "Pops" except in connection with the trademark as shown.

For Candy.

Claims use since Sept. 1, 1928.

Ser. No. 277,045. BORDENTOWN DAIRY COMPANY, Bordentown, N. J. Filed Dec. 21, 1928.



No claim being made to the representation of a milk bottle and bottle cap in the accompanying drawing. No claim is made to the words "Pure Quality Sour Cream" apart from the mark as shown.

For Sour Cream.

Claims use since March, 1928.

Ser. No. 277,944. C. C. COLLINS COMPANY, Santa Ana, Calif. Filed Jan. 14, 1929.

VICTOR

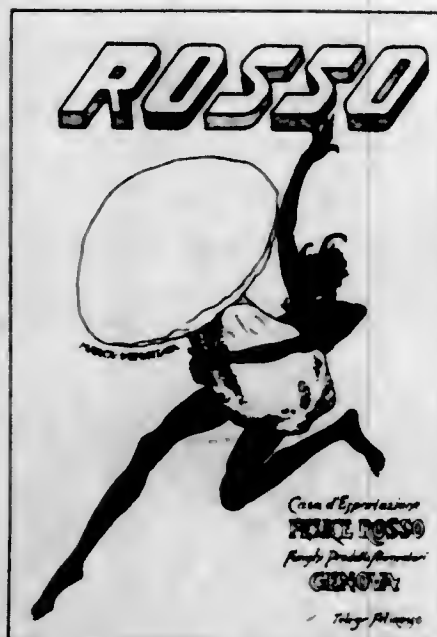
For Dried Apricots, Peaches, Pears, and Prunes.
Claims use since about Jan. 1, 1904.

Ser. No. 278,437. PITTMAN & DAVIS, Harlingen, Tex. Filed Jan. 25, 1929.



Applicant disclaims the word "Brand."
For Citrus Fruits and Vegetables in a Fresh or Natural State.
Claims use since Nov. 14, 1928.

Ser. No. 278,811. FELICE ROSSO, Genoa, Italy. Filed Feb. 2, 1929.



No claim is made to the descriptive matter "Marca-Depositata, Casa d'Esportazione Funghi-Prodotti Alimentari" nor to "Genova" nor to "Telegr. Fel Rosso" apart from the mark as shown.
For Canned Mushrooms.
Claims use since Nov. 1, 1928.

Ser. No. 280,083. PEEK FREAN & Co. LTD., London, England. Filed Feb. 28, 1929. Under 10-year proviso.

PEEK FREAN & Co LIMITED

For Biscuits.
Claims use since Sept. 26, 1894.

Ser. No. 280,169. THE ESMOND DAIRY COMPANY, Sandusky, Ohio. Filed Mar. 2, 1929.



For Chocolate Drink Used as a Food Drink.
Claims use since Feb. 14, 1929.

Ser. No. 280,683. JAMES J. ASHER, doing business as The Creem-O-La Company, Detroit, Mich. Filed Mar. 14, 1929.

CREEM-O-LA

For Dessert Powders and Pie Fillings.
Claims use since Feb. 28, 1929.

Ser. No. 280,926. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans., and Kansas City, Mo. Filed Mar. 18, 1929.

DYNAMITE

For Shelled Raw Pop Corn.
Claims use since about January, 1926.

Ser. No. 281,226. NAAMLOOZE VENNOOTSCHAP DROSTE'S CACAO- EN CHOCOLADEFABRIEKEN, Haarlem, Netherlands. Filed Mar. 23, 1929.



The portrait of a woman shown on the drawing is merely fanciful.
For Toffees and a Sugar Candy with Coffee Flavor Called "Hopjes."
Claims use since July 1, 1897.

Ser. No. 283,086. THE COLUMBUS CANNING CO., Columbus, Wis. Filed Apr. 27, 1929.

PUBLIX

For Canned Vegetables, Canned Fruits, Canned Fish, Tomato Catsup, Jam, Bread, and Canned Evaporated Milk.
Claims use since Jan. 10, 1929.

Ser. No. 284,466. ROY R. HURST, doing business as Hurst-Root Co., Salem, Oreg. Filed May 22, 1929.

Super-Pak

For Fresh Deciduous Fruits and Fresh Vegetables.
Claims use since May 1, 1929.

Ser. No. 285,391. STANDARD DESERT DECORATION, INC., Chicago, Ill. Filed June 10, 1929.

TIP-TOPS

For Candy Topping for Cakes, Puddings, and Ice Cream.
Claims use since Mar. 6, 1929.

Ser. No. 285,481. IBA M. STANLEY, doing business as Donette Pastry Cream Company, Davenport, Iowa. Filed June 12, 1929.

DELICIOUS Donettes SATISFYING

The words "Delicious" and "Satisfying" are disclaimed apart from the other features as shown in the drawings.
For Confectionery Products—Namely, Cookies, Cakes, Pancakes, Waffles, Muffins, Doughnuts, Sweet Rolls.
Claims use since Dec. 1, 1928.

Ser. No. 285,497. CHASE & COMPANY, Orlando, Fla. Filed June 13, 1929.

SPADE



For Fresh Citrus Fruits and Fresh Vegetables.
Claims use since December, 1911.

Ser. No. 287,403. THE FORD GUM COMPANY, Camp Hill and Harrisburg, Pa. Filed July 20, 1929.



For Chewing Gum.
Claims use since Dec. 27, 1927.

Ser. No. 287,708. THEO. J. LAPRES, INC., Atlantic City, N. J. Filed July 26, 1929. Under 10-year proviso.



No claim being made to the exclusive use of the words "Original Salt Water Taffy" apart from the mark shown in the drawing.
For Salt-Water Taffy.
Claims use since 1894.

Ser. No. 287,740. J. G. COWAN, Modesto, Calif. Filed July 27, 1929.



The shading on the drawing indicates the colors yellow and black.
For Fresh Persian Melons.
Claims use since Aug. 1, 1926.

Ser. No. 287,947. TAYLOR BAKING COMPANY, Atlanta, Ga. Filed July 31, 1929.



The words "Honey Sticks" are disclaimed apart from the mark as shown on the drawing.
For Cake Confection.
Claims use since Jan. 14, 1929.

Ser. No. 288,373. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Aug. 10, 1929.



No claim being made to the exclusive use of the word "Shortening" apart from the mark shown on the drawing. The color golden brown on the body and the color dark brown in the design of the label are claimed as features of the mark.

For Pure Vegetable Fat for Shortening and Frying.
Claims use since Aug. 8, 1929.

Ser. No. 288,403. F. M. SWITZER, doing business as Switzer's Yellow Jacket Co., St. Louis, Mo. Filed Aug. 10, 1929.

Bevo

For Candy.
Claims use since July 1, 1929.

Ser. No. 288,579. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Filed Aug. 15, 1929.



For Chewing Gum.
Claims use since June 10, 1929.

Ser. No. 288,644. DILLING & COMPANY, Indianapolis, Ind. Filed Aug. 17, 1929.

Wig-Gle

For Candy.
Claims use since September, 1920.

Ser. No. 288,820. STEWART CURTIS PACKERS, INC., Los Angeles and Long Beach, Calif. Filed Aug. 21, 1929.

SPINAKRAUT

Applicant disclaims the word "Kraut" apart from the mark shown on the drawing.
For Canned Vegetables.
Claims use since June 28, 1929.

Ser. No. 288,854. ERNEST HAMWI, St. Louis, Mo. Filed Aug. 22, 1929.

LINDA CONE

No claim is made to the right to exclusive use of the word "Cone" apart from the mark shown.
For Ice-Cream Cones.
Claims use since Aug. 8, 1929.

Ser. No. 289,062. BRODY NOVELTY CANDY PKOR. CO., INC., New York, N. Y. Filed Aug. 27, 1929.

JUST KIDS

For Candy.
Claims use since Aug. 19, 1929.

Ser. No. 289,101. DILLING & COMPANY, Indianapolis, Ind. Filed Aug. 28, 1929.

Katy-Did

For Candy.
Claims use since February, 1908.

Ser. No. 289,189. SAMUEL WOLMAN, doing business as Montreal Malt Products Co., Portland, Me. Filed Aug. 28, 1929.



No claim is made to the name "Montreal" or the word "Special" apart from the mark as shown.
For Malt Syrup.
Claims use since July 1, 1929.

Ser. No. 289,321. J. PUCCIA & Co., Boston, Mass. Filed Sept. 4, 1929.

SAN GIORGIO



For Olive Oil.
Claims use since January, 1929.

Ser. No. 289,388. CAMPBELL HOLTON & Co., Bloomington, Ill. Filed Sept. 6, 1929.

BIG BOYS

For Canned Peas.
Claims use since on or about Aug. 1, 1928.

Ser. No. 289,449. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Sept. 7, 1929.



For Salted Peanuts.
Claims use since Jan. 2, 1929.

Ser. No. 289,524. LAKE REGION PACKING ASSOCIATION, Tavares, Fla. Filed Sept. 9, 1929.

HAMMOCK

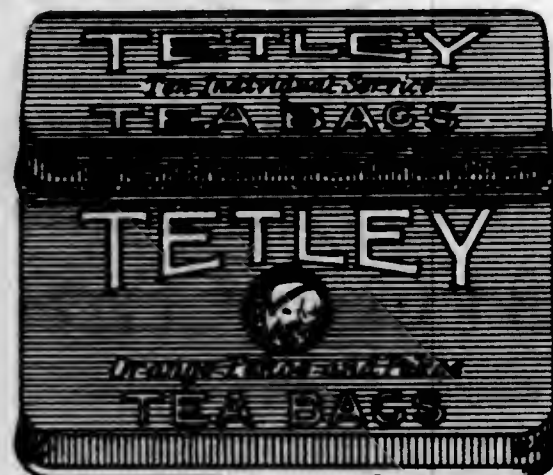
For Fresh Citrus Fruits.
Claims use since November, 1910.

Ser. No. 289,580. H. P. GARIN CO., San Francisco, Calif.
Filed Sept. 10, 1929.

Garin-Lee

For Fresh Deciduous Fruits, Fresh Vegetables.
Claims use since July 29, 1929.

Ser. No. 289,597. JOSEPH TETLEY & CO., INC., New York,
N. Y. Filed Sept. 10, 1929.



No claim is made to the words "Ten Individual Service Tea Bags, Orange Pekoe, and Pekoe Tea Bags." The drawing is lined to indicate the color blue.
For Tea.
Claims use since about September, 1926.

Ser. No. 289,598. JOSEPH TETLEY & CO., INC., New York,
N. Y. Filed Sept. 10, 1929.



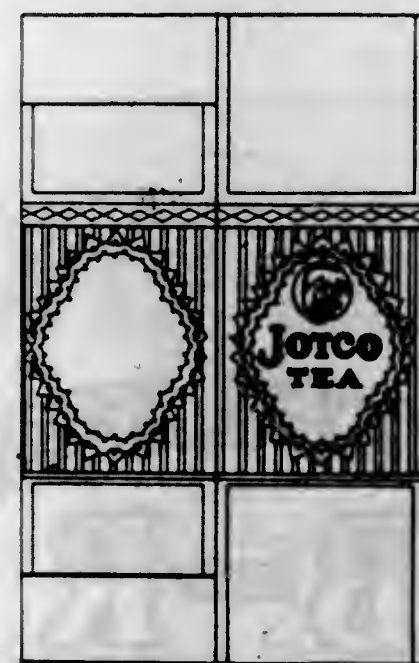
No claim is made to the words "Tea" and "Flowery Orange Pekoe." The drawing is lined to indicate the color gold.
For Tea.
Claims use since about August, 1910.

Ser. No. 289,599. JOSEPH TETLEY & CO., INC., New York,
N. Y. Filed Sept. 10, 1929.



The drawing is lined for the colors blue, gold, yellow, green, and red. All wording on the drawing, with the exception of the mark "Tiptets," is disclaimed apart from the mark as shown, but, by making this disclaimer, applicant does not relinquish any of its common-law rights. No claim is made to the illustration of the carton as such.
For Tea.
Claims use since Oct. 15, 1927.

Ser. No. 289,600. JOSEPH TETLEY & CO., INC., New York,
N. Y. Filed Sept. 10, 1929.



All wording on the drawing, with the exception of "Jotco," is disclaimed apart from the mark as shown. No claim is made to the illustration of a carton as such.
For Tea.
Claims use since August, 1927.

Ser. No. 289,914. JOSEPH D. BINDER, doing business as
J. B. Paper Co., Pittsfield, Mass. Filed Sept. 18, 1929.

GREYLOCK

For Malt Syrup.
Claims use since Aug. 20, 1929.

Ser. No. 289,918. SAMUEL A. COHN & BRO., doing business as Crackerjack Products Co., Hazleton, Pa. Filed Sept. 18, 1929.

**UNION
MAID**

For Malt Syrup.
Claims use since September, 1928.

Ser. No. 290,090. C. O. RUTLEDGE, doing business as Rutledge Potato Chip Co., Fort Worth, Tex. Filed Sept. 21, 1929.



For Fried Potato Chips.
Claims use since June 1, 1927.

Ser. No. 290,099. H. B. WEBB, INC., Sargentville, Me.
Filed Sept. 21, 1929.

OLD EAST

For Canned Blueberries.
Claims use since Sept. 13, 1929.

Ser. No. 290,283. CHARLES BANKS STOUT, doing business as Washington Flour Mill, Washington, Mo. Filed Sept. 26, 1929.



For Wheat Flour.
Claims use since Jan. 1, 1883.

Ser. No. 290,284. CHARLES BANKS STOUT, doing business as Washington Flour Mill, Washington, Mo. Filed Sept. 26, 1929.



For Wheat Flour.
Claims use since Apr. 29, 1884.

Ser. No. 290,285. CHARLES BANKS STOUT, doing business as Washington Flour Mill, Washington, Mo. Filed Sept. 26, 1929.



For Wheat Flour.
Claims use since Apr. 2, 1873.

Ser. No. 290,339. CHASE CANDY COMPANY, St. Joseph, Mo. Filed Sept. 28, 1929.

FIDO

For Candy.
Claims use since Aug. 30, 1929.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 286,164. FABRIKEN TOMTEN ALEX. LAGERMAN JR. AKTIEBOLAG, Gottenborg, Sweden. Filed June 26, 1929.

PLATIM

For Flycatchers and Insect Catchers.
Claims use since Mar. 15, 1929.

Ser. No. 289,635. MARATHON RUBBER PRODUCTS, INC., Wausau, Wis. Filed Sept. 11, 1929.

PARISUEDE

For Fabrics Comprising Paper Cloth or the Like Covered with a Waterproof Material of a Suedellike Appearance.
Claims use since Feb. 15, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 5, 1929

263,205. PNEUMATIC-TIRE CASINGS. THE TRUMP BROTHERS RUBBER COMPANY, Akron, Ohio.
Filed June 22, 1929. Serial No. 285,995. PUBLISHED AUGUST 27, 1929. Class 35.

263,206. TACHOMETERS. BARBOUR STOCKWELL COMPANY, Cambridge, Mass.
Filed June 28, 1929. Serial No. 286,296. PUBLISHED AUGUST 27, 1929. Class 26.

263,207. WOOD CABINETS INTENDED TO CONTAIN RADIO SETS AND SPEAKERS. WOOD CABINET CORPORATION, New York, N. Y.
Filed June 22, 1929. Serial No. 286,002. PUBLISHED AUGUST 27, 1929. Class 32.

263,208. ELECTRIC MOTORS. UNITED STATES ELECTRICAL MANUFACTURING COMPANY, Los Angeles, Calif.
Filed June 29, 1929. Serial No. 286,401. PUBLISHED AUGUST 20, 1929. Class 21.

263,209. CHILI, CHILI MIXTURE, AND CHILI CON CARNE. HENRY POFF, Oklahoma City, Okla.
Filed January 9, 1928. Serial No. 259,870. PUBLISHED AUGUST 20, 1929. Class 46.

263,210. PREPARATION FOR USE IN THE TREATMENT OF PILES. CAL SMITH, Reedsburg, Wis.
Filed December 7, 1927. Serial No. 258,602. PUBLISHED AUGUST 18, 1929. Class 6.

263,211. ENGLISH PORK SAUSAGE. ALBERT J. MAKER, Seattle, Wash.
Filed November 21, 1927. Serial No. 257,885. PUBLISHED AUGUST 20, 1929. Class 46.

263,212. PHONOGRAPHS. FEDERAL TELEGRAPH COMPANY, San Francisco, Calif.
Filed November 8, 1927. Serial No. 257,228. PUBLISHED AUGUST 18, 1929. Class 36.

263,213. CERTAIN NAMED PAINT PRODUCTS. THE MARTIN-SENOUE COMPANY, Cleveland, Ohio.
Filed July 2, 1928. Serial No. 268,990. PUBLISHED AUGUST 20, 1929. Class 16.

263,214. CANNED GOODS—NAMES, CANNED FISH. A. S. FYRTAARNHETS KONSERVERSFABRIK, Copenhagen, Denmark.
Filed June 15, 1928. Serial No. 268,071. PUBLISHED AUGUST 20, 1929. Class 46.

263,215. COUGH MEDICINE. THE AYER COMPANY, Lowell, Mass.
Filed May 8, 1928. Serial No. 266,077. PUBLISHED AUGUST 18, 1929. Class 6.

263,216. MOTOR-FUEL OILS. THE LEAMON PROCESS COMPANY, Newark, Ohio.
Filed June 7, 1928. Serial No. 267,659. PUBLISHED AUGUST 18, 1929. Class 15.

263,217. PAINT ENAMELS. BRADLEY & VROOMAN COMPANY, Chicago, Ill.
Filed April 30, 1928. Serial No. 265,613. PUBLISHED AUGUST 27, 1929. Class 16.

263,218. INSECTICIDES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed April 12, 1928. Serial No. 264,739. PUBLISHED JUNE 12, 1928. Class 6.

263,219. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME. O. R. RANDALL, Atlanta, Ga., assignor to "XXX" Company, Galveston, Tex.
Filed March 10, 1928. Serial No. 262,929. PUBLISHED JANUARY 8, 1929. Class 45.

263,220. CANVAS-COVERED METAL-LINED RUBBER HOSE. METAL HOSE & TUBING CO., INC., Brooklyn, N. Y.
Filed February 29, 1928. Serial No. 262,408. PUBLISHED AUGUST 20, 1929. Class 35.

263,221. FINGER RINGS. LESSNER & BARNETT, New York, N. Y.
Filed June 20, 1929. Serial No. 285,865. PUBLISHED AUGUST 20, 1929. Class 28.

263,222. CONTACT TERMINALS. TRU-TEST TERMINAL CORPORATION, New York, N. Y.
Filed June 19, 1929. Serial No. 285,838. PUBLISHED AUGUST 20, 1929. Class 21.

263,223. FINGER RINGS AND MOUNTINGS THEREFOR. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y.
Filed June 19, 1929. Serial No. 285,817. PUBLISHED AUGUST 20, 1929. Class 28.

263,224. LUBRICATING OILS AND GREASES. THE STANDARD OIL COMPANY, Cleveland, Ohio.
Filed June 14, 1929. Serial No. 285,602. PUBLISHED AUGUST 18, 1929. Class 15.

263,225. TRANSFORMER OILS AND COMPOUNDS. THE STANDARD OIL COMPANY, Cleveland, Ohio.
Filed June 14, 1929. Serial No. 285,600. PUBLISHED AUGUST 18, 1929. Class 15.

263,226. FINGER RINGS. JOSEPH L. HERRZOG & CO., New York, N. Y.
Filed June 14, 1929. Serial No. 285,584. PUBLISHED AUGUST 18, 1929. Class 28.

263,227. ARTICLES OF JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. DEJA, INC., New York, N. Y.
Filed June 14, 1929. Serial No. 285,556. PUBLISHED AUGUST 20, 1929. Class 28.

263,228. ELECTRIC RANGES AND ELECTRICALLY-HEATED SAUSAGE TOASTERS AND BARBECUE BROILERS. THE FIREBRAND KITCHEN EQUIPMENT COMPANY, New York, N. Y., Cincinnati, Ohio, and Chicago, Ill.
Filed June 13, 1929. Serial No. 285,505. PUBLISHED AUGUST 20, 1929. Class 21.

263,229. FLEXIBLE ARMORED ELECTRIC CABLES. CRESCENT ARMORED WIRE CO., INC., Trenton, N. J.
Filed June 13, 1929. Serial No. 285,498. PUBLISHED AUGUST 20, 1929. Class 21.

263,230. ELECTRICALLY-OPERATED VACUUM CLEANERS AND FLOOR MACHINES AND PARTS THEREOF, SAID FLOOR MACHINES BEING USED FOR SANDING, CLEANING, WAXING, OILING, POLISHING, SCRUBBING, DRESSING, AND REFINISHING FLOORS AND FOR REMOVING PAINT AND VARNISH THEREFROM. THE REGINA CORPORATION, Rahway, N. J.
Filed June 8, 1929. Serial No. 285,298. PUBLISHED AUGUST 18, 1929. Class 21.

263,231. STUD SETS, BRACELETS, SCARF PINS, ETC. KASKEL & KASKEL CORPORATION, New York, N. Y., now, by change of name, Kaskel & Kaskel Dunlap Corporation.
Filed June 8, 1929. Serial No. 285,273. PUBLISHED AUGUST 18, 1929. Class 28.

263,232. INSECTICIDES AND DISINFECTANTS. WILLIAM C. PARROTT, doing business as The Parrott Chemical Co., New Hartford, N. Y.
Filed July 11, 1929. Serial No. 286,951. PUBLISHED AUGUST 20, 1929. Class 6.

- 263,233. AUTOMATIC COIN-OPERATED ELECTRIC TIME SWITCH. NED M. GREEN, San Francisco, Calif.
Filed June 5, 1929. Serial No. 285,093. PUBLISHED AUGUST 20, 1929. Class 21.
- 263,234. INSECTICIDE. UNITED COFFEE CORPORATION, San Francisco, Calif.
Filed July 1, 1929. Serial No. 286,463. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,235. COUGH SYRUP USED IN THE TREATMENT OF COUGHS, COLDS, CROUP, HOARSENESS, AND SORE THROAT. JAMES W. LISTENBEE, doing business as Listenbee Mfg. Co., Calhoun City, Miss.
Filed July 1, 1929. Serial No. 286,438. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,236. TONIC, STIMULANT RECONSTRUCTIVE FOR THE TREATMENT OF DISORDERS RESULTING FROM EXHAUSTED CONDITION OF THE SYSTEM. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed June 29, 1929. Serial No. 286,403. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,237. TABLE SYRUP. ROANOKE SYRUP CO., INC., Roanoke, Ala.
Filed June 26, 1929. Serial No. 286,199. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,238. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, DUSTING POWDER, FACE CREAMS, SACHET, BRILLIANTINE, LOTIONS FOR THE SKIN AND HAIR, ROUGE, LIP STICKS, BATH SALTS, EAU VEGETAL. COTT, INC., New York, N. Y.
Filed June 28, 1929. Serial No. 286,308. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,239. COSMETIC WASH, ASTRINGENT, CUTICLE SALVE, HAIR TONIC, MASSAGE CREAM, AND CLEANSING CREAM. AUGUSTA V. MITCHELL, Washington, D. C.
Filed June 25, 1929. Serial No. 286,128. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,240. ICE CREAM AND ICES. GENERAL ICE CREAM CORPORATION, Schenectady, N. Y.
Filed June 25, 1929. Serial No. 286,111. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,241. ICE CREAM AND ICES. GENERAL ICE CREAM CORPORATION, Schenectady, N. Y.
Filed June 25, 1929. Serial No. 286,110. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,242. EVAPORATED OR DRIED PRUNES, APRICOTS, RAISINS, PEACHES, APPLES, FIGS, AND CURRANTS, CITRON PEEL, ORANGE PEEL, AND LEMON PEEL, AND SPICES. CATZ AMERICAN COMPANY, INC., New York, N. Y.
Filed June 18, 1929. Serial No. 285,730. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,243. CHEMICAL WASHING FLUID FOR USE AS A BLEACH, DEODORIZER, AND DISINFECTANT. STEPHEN FAZIO, doing business as Whitox Chemical Co., Syracuse, N. Y.
Filed June 18, 1929. Serial No. 285,738. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,244. TOOTH PASTE, HAIRDRESSING, LIQUID AND SOLIDIFIED, ANTISEPTIC AND MOUTH WASH. JACIEL PERFUMERS, INC., New York, N. Y.
Filed June 24, 1929. Serial No. 286,054. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,245. SALVE FOR THE TREATMENT OF SKIN DISEASES. STEPHEN BADESSA, Boston, Mass.
Filed June 18, 1929. Serial No. 285,726. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,246. CORN AND CALLOUS REMOVING PREPARATION. SUE B. ENGELBERG, doing business as Sarbonne Laboratories, Philadelphia, Pa.
Filed June 17, 1929. Serial No. 285,711. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,247. LIQUID MORDANT FOR USE IN DYEING. TAYLOR-WHITE EXTRACTING COMPANY, Camden, N. J.
Filed June 17, 1929. Serial No. 285,096. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,248. ANALGESIC, ANTIPYRETIC, AND NERVE SEDATIVE FOR THE TREATMENT OF FEVERS, RHEUMATISM, NEURALGIA, LA GRIPE, HEADACHES, AND THE LIKE. FIRST TEXAS CHEMICAL MFG. CO., Dallas, Tex.
Filed June 17, 1929. Serial No. 285,068. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,249. TANNING SOLUTION. SHEPHERD & SONS, Vancouver, Wash.
Filed June 12, 1929. Serial No. 285,479. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,250. INSECTICIDE. A. H. MEYER, doing business as Alexandria Chemical Co., Alexandria, La.
Filed June 10, 1929. Serial No. 285,364. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,251. PREPARATION USED IN THE TREATMENT OF CYSTITIS, GONORRHEA, AND IRRITATION OF THE URINARY TRACT. BENJAMIN JASPER CLINE, doing business as Cline Medicine Company, Poplar Bluff, Mo.
Filed June 12, 1929. Serial No. 285,444. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,252. PILE OINTMENT. JOSEPH A. VAILLANCOURT, doing business as Pharmaceutical Laboratory, Inc., Chicago, Ill.
Filed June 5, 1929. Serial No. 285,126. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,253. COSMETIC TO BE USED FOR THE PREVENTION AND TREATMENT OF SUNBURN. DOROTHY S. LANCASTER, doing business as Tan-Rite Co., Los Angeles, Calif.
Filed June 5, 1929. Serial No. 285,102. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,254. CHOCOLATES AND CANDIES, ICE CREAM, BISCUITS, ETC. BANY & KUHN, New York, N. Y.
Filed June 4, 1929. Serial No. 285,007. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,255. PIANOS. WELTE-MIGNON CORPORATION, New York, N. Y., assignor, by mesne assignments, to Welte-Mignon Corporation, New York, N. Y., a Corporation of Delaware.
Filed July 15, 1927. Serial No. 252,135. PUBLISHED AUGUST 13, 1929. Class 36.
- 263,256. PIANOS. WELTE-MIGNON CORPORATION, New York, N. Y., assignor, by mesne assignments, to Welte-Mignon Corporation, New York, N. Y., a Corporation of Delaware.
Filed July 15, 1927. Serial No. 252,134. PUBLISHED AUGUST 13, 1929. Class 36.
- 263,257. HORMON AND FERMENT PREPARATIONS USED FOR IMPROVING AND REGULATING THE PHYSIOLOGICAL CHANGE AND CIRCULATION OF MATTER. HORMENT AKTIENGESSELLSCHAFT FÜR HERSTELLUNG ORGANISCHER HEILMITTEL, Berlin, Germany.
Filed June 18, 1927. Serial No. 250,753. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,258. PINS AND EMBLEMS MADE OF OR PLATED WITH PRECIOUS METAL. PHI DELTA CHI FRATERNITY, Indianapolis, Ind.
Filed May 23, 1927. Serial No. 249,436. PUBLISHED AUGUST 13, 1929. Class 28.
- 263,259. CERTAIN NAMED TEXTILE MATERIALS. THE KEMITEX PRODUCTS COMPANY, Akron, Ohio.
Filed December 2, 1926. Serial No. 240,862. PUBLISHED AUGUST 27, 1929. Class 42.
- 263,260. ERASER-HOLDING TYPEWRITER ATTACHMENT. A. G. STEVENSON & CO. INC., Rochester, N. Y.
Filed May 14, 1926. Serial No. 231,640. PUBLISHED AUGUST 27, 1929. Class 23.

- 263,261. HOSIERY. RUFUS W. SCOTT COMPANY, New York, N. Y.
Filed January 27, 1928. Serial No. 260,760. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,262. PNEUMATIC-TIRE CASINGS. THE TRUMP BROTHERS RUBBER COMPANY, Akron, Ohio.
Filed June 22, 1929. Serial No. 285,994. PUBLISHED AUGUST 20, 1929. Class 35.
- 263,263. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FLAVORING SYRUPS AND EXTRACTS AND CONCENTRATES FOR MAKING THE SAME. THEONETT & CO., INC., Chicago, Ill.
Filed June 18, 1929. Serial No. 285,758. PUBLISHED AUGUST 20, 1929. Class 45.
- 263,264. FINGER RINGS. LESSER & BARNETT, New York, N. Y.
Filed June 20, 1929. Serial No. 285,866. PUBLISHED AUGUST 20, 1929. Class 28.
- 263,265. SENSITIZED PHOTOGRAPHIC PAPERS, PLATES, FILMS, ROLL FILMS, ETC. NAAMLOOZE VENNOOTSCHAP GEVAERT PHOTO-PRODUCTEN (SOCIÉTÉ ANONYME PHOTO-PRODUITS GEVAERT) Oude-God, Belgium.
Filed July 15, 1929. Serial No. 287,151. PUBLISHED AUGUST 27, 1929. Class 26.
- 263,266. SENSITIZED PHOTOGRAPHIC PAPERS, PLATES, FILMS, ROLL FILMS, PORTRAIT FILMS, STUDIO FILMS, PLAN FILMS, PACK FILMS, RADIOFILMS, CINEMATOGRAPHIC APPARATUS, AND PROJECTORS. NAAMLOOZE VENNOOTSCHAP GEVAERT PHOTO-PRODUCTEN (SOCIÉTÉ ANONYME PHOTO-PRODUITS GEVAERT), Oude-God, Belgium.
Filed July 15, 1929. Serial No. 287,150. PUBLISHED AUGUST 27, 1929. Class 26.
- 263,267. SAWS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed July 11, 1929. Serial No. 286,958. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,268. RAZOR BLADES. PROBAK CORPORATION, Jersey City, N. J., and New York, N. Y.
Filed July 10, 1929. Serial No. 286,901. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,269. RAZOR BLADES. PROBAK CORPORATION, Jersey City, N. J., and New York, N. Y.
Filed July 10, 1929. Serial No. 286,900. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,270. RAZOR BLADES. PROBAK CORPORATION, Jersey City, N. J., and New York, N. Y.
Filed July 10, 1929. Serial No. 286,899. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,271. HAMMERS AND HATCHETS. GRIFFITH TOOL WORKS, Philadelphia, Pa.
Filed July 8, 1929. Serial No. 286,760. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,272. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. HERBERT GOLDBSTEIN, doing business as The Rekey Company, Chicago, Ill.
Filed July 8, 1929. Serial No. 286,757. PUBLISHED AUGUST 20, 1929. Class 45.
- 263,273. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS AND CONCENTRATES FOR MAKING THE SAME. CRYSTAL SODA WATER COMPANY, Scranton, Pa.
Filed July 8, 1929. Serial No. 286,743. PUBLISHED AUGUST 20, 1929. Class 45.
- 263,274. CARBONATED NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. MERIDIAN BOTTLING CO., INC., Meridian, Miss.
Filed July 2, 1929. Serial No. 286,494. PUBLISHED AUGUST 20, 1929. Class 45.
- 263,275. FRUIT AND BERRY FLAVORS FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. MORRIS ARONOVICH, doing business as Punch-O Laboratories, Salt Lake City, Utah.
Filed July 2, 1929. Serial No. 286,470. PUBLISHED AUGUST 20, 1929. Class 45.
- 263,276. VENDING MACHINES. J. FRANK MEYER, doing business as The Exhibit Supply Company, Chicago, Ill.
Filed June 29, 1929. Serial No. 286,376. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,277. MACHINES AND APPARATUS FOR TESTING GEARS, APPARATUS FOR TESTING GEAR-CUTTING TOOLS, REAR-AXLE-TESTING APPARATUS, AND PARTS FOR THE ABOVE-LISTED MACHINERY AND APPARATUS. THE GLEASON WORKS, Rochester, N. Y.
Filed June 28, 1929. Serial No. 286,325. PUBLISHED AUGUST 20, 1929. Class 26.
- 263,278. HAY PRESSES AND BALING PRESSES. THOMAS J. COOKSON, doing business as Admiral Hay Press Mfg. Co., Kansas City, Mo.
Filed June 24, 1929. Serial No. 286,036. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,279. VEHICLE TIRES OF RUBBER OR RUBBER AND FABRIC AND INNER TUBES THEREFOR. THE ACME COMPANY, Shreveport, La.
Filed June 24, 1929. Serial No. 286,004. PUBLISHED AUGUST 20, 1929. Class 35.
- 263,280. KNIVES, FORKS, AND SPOONS; POTATO MASHERS, EGG WHIPS, CAKE TURNERS, CAN OPENERS, AND FLOUR SIFTERS MADE OF BASE METAL. HAMBLIN & RUSSELL MFG. CO., Worcester, Mass.
Filed June 18, 1929. Serial No. 285,740. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,281. PNEUMATIC-TIRE CASINGS. THE TRUMP BROTHERS RUBBER COMPANY, Akron, Ohio.
Filed June 22, 1929. Serial No. 285,997. PUBLISHED AUGUST 20, 1929. Class 35.
- 263,282. BELTING OF RUBBER OR RUBBER AND FABRIC, HOSE OF RUBBER OR RUBBER AND FABRIC, AND MACHINERY PACKING OF RUBBER OR RUBBER AND FABRIC. MAJESTIC PACKING & RUBBER CORPORATION, New York, N. Y.
Filed June 15, 1929. Serial No. 285,633. PUBLISHED AUGUST 20, 1929. Class 35.
- 263,283. LOCKERS AND STORAGE COMPARTMENTS FOR CLOTHING AND OTHER PERSONAL ARTICLES. THE HART & HUTCHINSON COMPANY, New Britain, Conn.
Filed June 14, 1929. Serial No. 285,563. PUBLISHED AUGUST 20, 1929. Class 32.
- 263,284. URN STANDS, WORK TABLES, BAKERS' TABLES, ETC. THE FIREBRAND KITCHEN EQUIPMENT COMPANY, New York, N. Y., and Cincinnati, Ohio.
Filed June 13, 1929. Serial No. 285,508. PUBLISHED AUGUST 20, 1929. Class 32.
- 263,285. WHEAT FLOUR. THE TEMPE MILLING COMPANY, Tempe, Ariz.
Filed July 19, 1929. Serial No. 287,380. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,286. DOG FOODS CONSISTING OF BISCUITS AND CANNED DOG FOODS. FOLEY DOG SUPPLIES, INC., Philadelphia, Pa.
Filed July 15, 1929. Serial No. 287,128. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,287. AN ANTISEPTIC LINIMENT. THE ENDINE CO., Brooklyn, N. Y.
Filed July 10, 1929. Serial No. 286,873. PUBLISHED AUGUST 27, 1929. Class 6.

- 263,288. WHEAT FLOUR. THE KANSAS MILL & ELEVATOR COMPANY, Arkansas City, Kans.
Filed July 9, 1929. Serial No. 286,829. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,289. INSECTICIDE. HERBERT F. HAMMONS, doing business as Cameo Products Company, Irvington, N. J.
Filed July 8, 1929. Serial No. 286,770. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,290. A PREPARATION FOR POLISHING AND CLEANING AUTOMOBILES AND FURNITURE. MARVIN R. HENRY, doing business as The Varn-Olite Mfg. Co., Buffalo, N. Y.
Filed July 5, 1929. Serial No. 286,633. PUBLISHED AUGUST 27, 1929. Class 16.
- 263,291. A LAXATIVE HERB TONIC AND A HEALING OINTMENT FOR THE TREATMENT OF ECZEMA, SUNBURN, AND ALL SKIN DISEASES. JOHN J. GRAMER, Ogden, Utah.
Filed July 6, 1929. Serial No. 286,723. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,292. INSECTICIDE. THE CITIES SERVICE OIL COMPANY, Cleveland, Ohio.
Filed July 5, 1929. Serial No. 286,623. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,293. CIGAR-LIGHTER FUEL OR CIGARETTE-LIGHTER FUEL. THE CITIES SERVICE OIL COMPANY, Cleveland, Ohio.
Filed July 5, 1929. Serial No. 286,622. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,294. EGGS. PIKE POULTRY PLANT, McComb, Miss., and New Orleans, La.
Filed July 3, 1929. Serial No. 286,582. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,295. CERTAIN NAMED PAINT PRODUCTS. ELCO PAINT PRODUCTS, INC., New York, N. Y.
Filed July 3, 1929. Serial No. 286,555. PUBLISHED AUGUST 27, 1929. Class 16.
- 263,296. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, Seattle, Wash.
Filed July 2, 1929. Serial No. 286,486. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,297. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, Seattle, Wash.
Filed July 2, 1929. Serial No. 286,485. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,298. MANICURE SETS. BOSTON FLORAL SUPPLY AND SNYDER COMPANY, doing business as Northeastern Laboratories, Boston, Mass.
Filed June 28, 1929. Serial No. 286,301. PUBLISHED AUGUST 13, 1929. Class 44.
- 263,299. BAKERY PRODUCTS—NAMESLY, BREAD. ATLANTA BAKING COMPANY, Atlanta, Ga.
Filed June 28, 1929. Serial No. 286,294. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,300. PAINT IN THE FORM OF A PASTE. THE SMITH-ALSOFF PAINT AND VARNISH COMPANY, INC., Terre Haute, Ind.
Filed June 27, 1929. Serial No. 286,280. PUBLISHED AUGUST 27, 1929. Class 16.
- 263,301. DOLLS. MAXINE DOLL CO., INCORPORATED, New York, N. Y.
Filed June 27, 1929. Serial No. 286,258. PUBLISHED AUGUST 20, 1929. Class 22.
- 263,302. POWDERED ALUM, SODIUM BICARBONATE, POWDERED BORAX, POWDERED BORIC ACID, WHOLE FLAXSEED, AND GROUND FLAXSEED. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J.
Filed June 27, 1929. Serial No. 286,252. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,303. CARBON BLACK. IMPERIAL OIL & GAS PRODUCTS COMPANY, Pittsburgh, Pa.
Filed June 26, 1929. Serial No. 286,173. PUBLISHED AUGUST 27, 1929. Class 16.
- 263,304. LADIES' HAND BAGS. LAITMAN & LAITMAN, New York, N. Y.
Filed June 26, 1929. Serial No. 286,188. PUBLISHED AUGUST 20, 1929. Class 3.
- 263,305. CANNED VEGETABLES, CANNED PORK AND BEANS, CANNED CORN, CANNED SALMON, CANNED COVE OYSTERS, FOOD-FLAVORING EXTRACTS, AND SPICES. NASH-FINCH COMPANY, doing business as Finch-Winslow-Carlisle, Minneapolis and Crookston, Minn.
Filed May 16, 1929. Serial No. 284,183. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,306. BARLEY COMPOUND USED FOR MAKING FOOD BEVERAGES, CANDIES, BREAKFAST FOOD, AND PUDDINGS. F. M. EUGENE BLASS, doing business as E. Am. Ass'n. for Oxygen-Therapy, New York, N. Y.
Filed May 15, 1929. Serial No. 284,044. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,307. PREVENTIVES AND PREPARATIONS FOR USE AGAINST INSECTS, CHIGGERS, AND MITES. CHRISTY M. FARRAR, St. Louis, Mo.
Filed May 9, 1929. Serial No. 283,732. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,308. CHEMICAL SOLUTION FOR DEGUMMING AND BLEACHING OF TEXTILES, YARN, LEATHER GOODS, AND THE LIKE. JOHN C. WICHMANN, Greenville, S. C.
Filed May 3, 1929. Serial No. 283,477. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,309. WATER-CORRECTIVE COMPOUNDS CONTAINING SALTS OF THE ALKALI EARTH-METAL GROUP AND FREE PHOSPHORIC ACID OR ACID PHOSPHATES OF THE ALKALI GROUP, SUCH COMPOUNDS TO BE USED FOR CORRECTING BREWING WATERS AND IMPROVING THE RESULTING BEVERAGES. DAHL & STEIN, Newark, N. J.
Filed April 30, 1929. Serial No. 283,262. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,310. DENTIFRICES, MOUTH WASHES, DENTAL AND MEDICAL ANTISEPTICS, ANESTHETICS, AND MEDICAMENTS FOR ORAL HYGIENE. THE ANTIDOLOR MFG. CO., INC., Springfield, N. Y.
Filed April 9, 1929. Serial No. 282,090. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,311. CHEMICAL COMPOUND OF HYDROSCOPIC NATURE AND LOW-FREEZING POINT AND MIXTURES CONTAINING SUCH COMPOUND FOR CONDITIONING FUELS AND THE LIKE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed March 27, 1929. Serial No. 281,418. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,312. DYES. MUTUAL FUR DYEING CO., INC., Brooklyn, N. Y.
Filed January 8, 1929. Serial No. 277,712. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,313. DRESS FABRICS OF RAYON. BEVERLY FABRICS CORPORATION, New York, N. Y.
Filed May 29, 1929. Serial No. 284,770. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,314. MEN'S AND BOYS' SUITS AND OVERCOATS. THE STEIN-BOLOCH CO., Rochester, N. Y.
Filed May 17, 1929. Serial No. 284,206. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,315. MEN'S NEGLIGEE SHIRTS AND KNITTED AND NETTED UNDERWEAR. COMMODORE MEN'S SHOPS, INC., New York, N. Y.
Filed May 2, 1929. Serial No. 283,384. PUBLISHED AUGUST 13, 1929. Class 39.

- 263,316. MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, SWIMMING SUITS, KNITTED AND WOVEN DRESSES FOR THE USE OF WOMEN, MISSES, AND CHILDREN. WALTON N. MOORE DRY GOODS CO., INC., doing business as Funsten Knitting Co., San Francisco, Calif.
Filed April 30, 1929. Serial No. 283,291. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,317. ROMPERS, BLOUSES, PAJAMAS, NIGHTIES, PLAY SUITS, CHILDREN'S DRESSES, BOYS' WASH SUITS OF COTTON AND WOOL, AND UNION SUITS OF TEXTILE FABRIC FOR THE USE OF CHILDREN AND MISSES. REGENT COMPANY, INC., New York, N. Y.
Filed April 25, 1929. Serial No. 283,005. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,318. MEN'S OVERCOATS. HICKY-FREEMAN CO., Rochester, N. Y.
Filed April 19, 1929. Serial No. 282,649. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,319. COTTON SUGAR-BAG CLOTH, COTTON SUGAR-BAG PATCHES, NEW AND USED JUTE PATCHES, AND JUTE BAGGING. SHAPORT BAG COMPANY, INC., Houston, Tex.
Filed April 13, 1929. Serial No. 282,374. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,320. HAIR NETS. WILLIAM FINKELSTEIN, doing business as Eastern Hair Net Trading Co., New York, N. Y.
Filed February 14, 1929. Serial No. 279,318. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,321. SEAT-COVERING MATERIALS OF COTTON IN THE PIECE. CONSOLIDATED TEXTILE CORPORATION, New York, N. Y.
Filed March 14, 1929. Serial No. 280,694. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,322. MEN'S AND BOYS' SUITS AND OVERCOATS. HENRY SONNEBOORN COMPANY, Baltimore, Md.
Filed February 13, 1929. Serial No. 279,805. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,323. GLASS TUMBLERS, GOBLET, PITCHERS, PLATES, FINGER BOWLS, COMPOTES, SALAD DISHES, AND SHERBET GLASSES. ALICE FOOTE MACDOUGALL COFFEE SHOPS, INC., New York, N. Y.
Filed February 5, 1929. Serial No. 278,905. PUBLISHED AUGUST 20, 1929. Class 33.
- 263,324. CERTAIN NAMED BATHENWARE, CHINAWARE, AND PORCELAIN. ALICE FOOTE MACDOUGALL COFFEE SHOPS, INC., New York, N. Y.
Filed February 5, 1929. Serial No. 278,904. PUBLISHED AUGUST 20, 1929. Class 30.
- 263,325. LADIES' UNDERWEAR OF TEXTILE FABRIC. BENJAMIN SHANDLER, Philadelphia, Pa.
Filed January 10, 1929. Serial No. 277,819. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,326. TOBACCO-ASH RECEPTACLES. NAGEL CHASS MFG. CO., Chicago, Ill.
Filed January 10, 1929. Serial No. 277,811. PUBLISHED AUGUST 27, 1929. Class 8.
- 263,327. SUITS, CLOAKS, AND WRAPS FOR WOMEN. MARK S. ERDRICH, New York, N. Y.
Filed January 7, 1929. Serial No. 277,661. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,328. MEN'S AND BOYS' CLOTHING—NAMESLY, BATH ROBES AND LOUNGING ROBES, SMOKING JACKETS, BLAZERS, REEFERS, KNICKERS, TOP COATS AND OVERCOATS, COATS, PANTS, AND VESTS. FAMOUS-STERNEBERG, INC., New Orleans, La.
Filed January 5, 1929. Serial No. 277,620. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,329. GROUND PEPPER. ANTONIO PUJANTE ALARCÓN, Murcia, Spain.
Filed May 21, 1929. Serial No. 284,882. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,330. DENTAL CREAM. E. R. SQUIBB & SONS, New York, N. Y.
Filed May 20, 1929. Serial No. 284,372. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,331. TABLE AND COOKING SYRUPS. J. STROMMEYER COMPANY, Philadelphia, Pa.
Filed May 20, 1929. Serial No. 284,316. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,332. FIG BARS COMPRISING CRUSHED FIGS AND FLOUR. W. MAGNESS BYRNS, Miami, Fla.
Filed May 17, 1929. Serial No. 284,162. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,333. SCARFS AND BLOUSES. SANJAME ART CORPORATION, New York, N. Y.
Filed June 6, 1929. Serial No. 285,177. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,334. LADIES' AND MISSES' COATS, SUITS, AND DRESSES. MONARCH GARMENT CO., New York, N. Y.
Filed June 5, 1929. Serial No. 285,108. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,335. PAINTBRUSHES. MARCUS BRUSH CO., INC., New York, N. Y.
Filed June 5, 1929. Serial No. 285,105. PUBLISHED AUGUST 27, 1929. Class 29.
- 263,336. WOMEN'S SWEATERS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed June 5, 1929. Serial No. 285,091. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,337. MEN'S AND WOMEN'S OUTFITS FOR TRAVELING BY AEROPLANE. GIMBEL BROTHERS, INC., New York, N. Y.
Filed June 5, 1929. Serial No. 285,081. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,338. LADIES' UNDERWEAR OF SILK, RAYON, AND COMBINATIONS THEREOF. JULIUS KATSER & CO., New York, N. Y.
Filed June 4, 1929. Serial No. 285,028. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,339. FERTILIZERS. FRIEDMAN TOBACCO PRODUCTS CORPORATION, York, Pa.
Filed June 22, 1929. Serial No. 285,967. PUBLISHED AUGUST 27, 1929. Class 10.
- 263,340. INFANTS' AND CHILDREN'S SOCKS. CHAS. CHIPMAN'S SONS CO., INC., New York, N. Y.
Filed June 22, 1929. Serial No. 285,962. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,341. MEDICINAL PREPARATION FOR TREATING ASTHMA AND BRONCHITIS. GUADALUPE BRAU, Los Angeles, Calif.
Filed June 3, 1929. Serial No. 284,930. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,342. UMBRELLA RACKS. HARDMAN, PECK & CO., New York, N. Y.
Filed June 8, 1929. Serial No. 285,268. PUBLISHED AUGUST 27, 1929. Class 32.
- 263,343. LINOLEUM. CARTHAGE MILLS INCORPORATED, Cincinnati, Ohio.
Filed June 8, 1929. Serial No. 285,251. PUBLISHED AUGUST 27, 1929. Class 20.
- 263,344. LINOLEUM. CARTHAGE MILLS INCORPORATED, Cincinnati, Ohio.
Filed June 8, 1929. Serial No. 285,250. PUBLISHED AUGUST 27, 1929. Class 20.
- 263,345. LINOLEUM. CARTHAGE MILLS INCORPORATED, Cincinnati, Ohio.
Filed June 8, 1929. Serial No. 285,248. PUBLISHED AUGUST 27, 1929. Class 20.
- 263,346. BEDSPREADS. MONADNOCK MILLS, Claremont, N. H.
Filed June 7, 1929. Serial No. 285,215. PUBLISHED JULY 30, 1929. Class 42.
- 263,347. BELTS AND HOSE MADE OF RUBBER OR RUBBER AND FABRIC. THE MECHANICAL RUBBER COMPANY, New York, N. Y.
Filed June 6, 1929. Serial No. 285,162. PUBLISHED AUGUST 27, 1929. Class 35.

- 263,348. ELECTRON RADIOTUBES. SYLVANIA PRODUCTS COMPANY, Emporium, Pa.
Filed May 31, 1929. Serial No. 284,878. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,349. ROAD-WORKING MACHINERY, PARTICULARLY ROAD GRADERS. SHAW-ENOCHS TRACTOR CO., Stillwater, Minn.
Filed May 31, 1929. Serial No. 284,874. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,350. CYLINDER GRINDERS, AND PARTS THEREOF, VALVE-SPRING LIFTERS, VALVE-SPRING COMPRESSORS, VALVE-SPRING CLIPS, SPLIT-LOCK CATCHERS AND SPLIT-LOCK REPLACERS FOR EXPLOSION-ENGINE VALVE ASSEMBLIES, CYLINDER-ENGAGING ELEMENTS FOR CYLINDER GRINDERS, EXHAUST DEVICES FOR CYLINDER GRINDERS, SUPPORTS FOR CYLINDER GRINDERS, AND PARTS THEREOF. SUNNEN PRODUCTS COMPANY, St. Louis, Mo.
Filed May 27, 1929. Serial No. 284,702. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,351. SILK AND PART-SILK GOODS IN THE PIECE. GENERAL SILK CORPORATION, New York, N. Y.
Filed May 23, 1929. Serial No. 284,337. PUBLISHED JULY 30, 1929. Class 42.
- 263,352. FUEL-OIL BURNERS. HOME MFG. COMPANY, Chicago, Ill.
Filed May 23, 1929. Serial No. 284,540. PUBLISHED AUGUST 27, 1929. Class 34.
- 263,353. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES AND SYRUPS THEREFOR. ALLENS RED TAME CHERRY CO., Fostoria and Toledo, Ohio.
Filed May 24, 1929. Serial No. 284,557. PUBLISHED AUGUST 27, 1929. Class 45.
- 263,354. COTTON, SILK, AND WOOL WOVEN GOODS IN THE PIECE. GENERAL SILK CORPORATION, New York, N. Y.
Filed May 23, 1929. Serial No. 284,536. PUBLISHED JULY 30, 1929. Class 42.
- 263,355. METALLIC FLUSH VALVES. SMITH AND WESSON, INC., Springfield, Mass.
Filed May 20, 1929. Serial No. 284,314. PUBLISHED AUGUST 27, 1929. Class 13.
- 263,356. LADIES', MEN'S, AND CHILDREN'S HOSIERY AND KNITTED AND TEXTILE UNDERWEAR IN ONE AND TWO PIECE GARMENTS. THE PRINCE TEXTILE COMPANY, INC., Cincinnati, Ohio.
Filed May 13, 1929. Serial No. 283,969. PUBLISHED JULY 2, 1929. Class 39.
- 263,357. PUMPS TO BE USED AS ACCESSORIES TO AUTOMOBILES FOR THE PURPOSE OF PUMPING AIR AUTOMATICALLY INTO THE TIRES THEREOF. SPICER AIRFLATER INC., Cleveland, Ohio.
Filed May 11, 1929. Serial No. 283,916. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,358. PASTE FOOD PRODUCTS—NAMELY, SPAGHETTI, MACARONI, NOODLES, VERMICELLI, SEA SHELLS, STARS, RINGS, READY-CUT MACARONI, READY-CUT SPAGHETTI. V. LUCIA ESTATE, doing business as Magnolia Macaroni Manufacturing Company, Houston, Tex.
Filed May 11, 1929. Serial No. 283,876. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,359. CHEMICAL DYE AIDS—NAMELY, MOISTENING PREPARATIONS, THREAD AND FIBRE PROTECTING PREPARATIONS, THREAD AND FIBRE-PENETRATING PREPARATIONS, SMOOTHING PREPARATIONS, AND TANNING PREPARATIONS. H. TH. BÖHME A. G., Chemnitz, Germany.
Filed May 4, 1929. Serial No. 283,489. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,360. TEXTILES COMPOSED OF COTTON, WOOL, AND SILK AND MIXTURES THEREOF. STOHN BROS. INC., West New York, N. J.
Filed May 3, 1929. Serial No. 283,472. PUBLISHED AUGUST 27, 1929. Class 42.
- 263,361. ELECTRICAL PRIMARY AND SECONDARY CELLS AND STORAGE BATTERIES, ETC. SVENSKA AKKUMULATOR AKTIEBOLAGET JUNGER, Stockholm, Sweden.
Filed April 29, 1929. Serial No. 283,236. PUBLISHED AUGUST 20, 1929. Class 21.
- 263,362. ELECTRICAL PRIMARY AND SECONDARY CELLS AND STORAGE BATTERIES, ETC. SVENSKA AKKUMULATOR AKTIEBOLAGET JUNGER, Stockholm, Sweden.
Filed April 29, 1929. Serial No. 283,235. PUBLISHED AUGUST 20, 1929. Class 21.
- 263,363. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ERWIN KAUFMANN, St. Louis, Mo.
Filed April 10, 1929. Serial No. 282,188. PUBLISHED AUGUST 27, 1929. Class 45.
- 263,364. COTTON PIECE GOODS AND COTTON CURTAINS. UNITED TEXTILE COMPANY, New York, N. Y.
Filed March 23, 1929. Serial No. 281,235. PUBLISHED AUGUST 27, 1929. Class 42.
- 263,365. DEVICES FOR TRANSMITTING VIEWS, SCENES OR IMAGES, AND SOUNDS TO A DISTANCE BY WIRES, WIRELESS TELEGRAPH, OR RADIO. BAIRD TELEVISION DEVELOPMENT COMPANY LIMITED, London, England.
Filed March 18, 1929. Serial No. 280,868. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,366. WHEAT FLOUR. FREDERICK W. HUBER, INC., Brooklyn, N. Y.
Filed January 31, 1929. Serial No. 278,692. PUBLISHED JUNE 25, 1929. Class 46.
- 263,367. LUBRICATORS FOR FEEDING FLUID TO THE INTAKE MANIFOLDS OF INTERNAL-COMBUSTION ENGINES TO PREVENT CARBON DEPOSITS, ETC. WILLIAM M. S. JACKSON, Detroit, Mich.
Filed January 17, 1929. Serial No. 278,097. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,368. PACKING IN PLASTIC FORM CONTAINING A SUBSTANTIAL PORTION OF METALLIC MATERIAL FOR MOVING PARTS SUCH AS SHAFTS, PISTON RODS, AND THE LIKE. DURAMETALLIC CORPORATION, Kalamazoo, Mich.
Filed January 16, 1929. Serial No. 278,031. PUBLISHED MARCH 12, 1929. Class 35.
- 263,369. CEREAL FOOD DRINK. GEORGE D. MOULTON, Boston, Mass.
Filed January 12, 1929. Serial No. 277,908. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,370. CANNED VEGETABLES, CANNED SHRIMP, AND TOMATO CATSUP. SOL SOFRANCE, doing business as Chicago Hotel & Restaurant Grocery Co., Chicago, Ill.
Filed January 3, 1929. Serial No. 277,558. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,371. SPICES, PAPRIKA, TEA, COFFEE, AND EDIBLE SEEDS. KNICKERBOCKER MILLS CO., New York, N. Y.
Filed January 7, 1929. Serial No. 277,674. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,372. MALT SYRUP FOR FOOD PURPOSES. SIGMUND L. GOLDMAN, doing business as The Life-Buoy Products Company, Chicago, Ill.
Filed December 28, 1928. Serial No. 277,293. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,373. HOSIERY. RADOFF BROS. INC., Houston, Tex.
Filed July 6, 1929. Serial No. 286,694. PUBLISHED AUGUST 13, 1929. Class 39.

- 263,374. MEN'S, YOUNG MEN'S, AND BOYS' SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. SOL WILLIAMS CO. INCORPORATED, Covington, Ky.
Filed July 3, 1929. Serial No. 286,611. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,375. SMOCKS, APRONS, AUTO COATS, AND BABIES' BIRTS. KURTZ & SON, Mifflinburg, Pa.
Filed July 3, 1929. Serial No. 286,543. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,376. FERTILIZER. I. G. FARRENINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany.
Filed July 2, 1929. Serial No. 286,481. PUBLISHED AUGUST 27, 1929. Class 10.
- 263,377. HOSIERY. VIRGINIA MAID HOSIERY MILLS INC., Pulaski, Va.
Filed June 29, 1929. Serial No. 286,402. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,378. NAILS AND TACKS. UNITED SHOE MACHINERY CORPORATION, Boston, Mass.
Filed June 29, 1929. Serial No. 286,396. PUBLISHED AUGUST 27, 1929. Class 13.
- 263,379. MEN'S NECKTIES AND CRAVATS. W. O. HORN & BROTHER, INC., New York, N. Y.
Filed June 28, 1929. Serial No. 286,330. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,380. HOSIERY. BURD BROTHERS, Philadelphia, Pa.
Filed June 28, 1929. Serial No. 286,306. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,381. MEN'S NECKTIES AND CRAVATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 27, 1929. Serial No. 286,238. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,382. COTTON FABRIC. W. H. ROLLINSON & COMPANY, INCORPORATED, New York, N. Y.
Filed June 26, 1929. Serial No. 286,201. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,383. GLAZIER POINTS. LANDON P. SMITH, INC., Irvington, N. J.
Filed June 26, 1929. Serial No. 286,209. PUBLISHED AUGUST 20, 1929. Class 13.
- 263,384. CLOTH IN THE PIECE MADE FROM ALL SILK OR ALL SYNTHETIC THREAD OR A COMBINATION OF SILK AND SYNTHETIC THREAD. VANITY FAIR SILK MILLS, Reading, Pa.
Filed June 26, 1929. Serial No. 286,215. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,385. CIGARS. WILLIAM BOUCHER & SONS, Baltimore, Md.
Filed June 26, 1929. Serial No. 286,151. PUBLISHED AUGUST 27, 1929. Class 17.
- 263,386. BRUSHES. SAMUEL M. DELL & CO., INC., Baltimore, Md.
Filed June 26, 1929. Serial No. 286,161. PUBLISHED AUGUST 27, 1929. Class 29.
- 263,387. HANDKERCHIEFS. HEATHER HANDKERCHIEF WORKS INC., New York, N. Y.
Filed June 26, 1929. Serial No. 286,169. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,388. COTTON FABRIC. W. H. ROLLINSON & COMPANY, INCORPORATED, New York, N. Y.
Filed June 26, 1929. Serial No. 286,200. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,389. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed June 25, 1929. Serial No. 286,140. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,390. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. JAMES A. HEARN & SON, INC., New York, N. Y.
Filed June 25, 1929. Serial No. 286,119. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,391. TRAILERS. UNITED TRACTOR & EQUIPMENT CORPORATION, Chicago, Ill.
Filed June 24, 1929. Serial No. 286,090. PUBLISHED AUGUST 27, 1929. Class 19.
- 263,392. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. ELDER MFG. CO., St. Louis, Mo.
Filed June 24, 1929. Serial No. 286,040. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,393. LUGGAGE STRAPS MADE OF WEB ESPECIALLY TREATED FOR PLIABILITY AND RESISTANCE OF WEATHER. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed June 25, 1929. Serial No. 286,134. PUBLISHED AUGUST 20, 1929. Class 3.
- 263,394. TAPE FOR REPAIRING BREAKS AND TEARS IN WINGS, FUSELAGE AND OTHER PARTS OF HEAVIER-THAN-AIR AND LIGHTER-THAN-AIR FLYING MACHINES. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed June 25, 1929. Serial No. 286,132. PUBLISHED AUGUST 22, 1929. Class 5.
- 263,395. PORCELAIN ELECTRIC LIGHTING FIXTURES AND SWITCH PLATES. FRANKLIN POTTERY (INC.), Lansdale, Pa.
Filed April 27, 1929. Serial No. 283,108. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,396. ELECTRON TUBES. TRIAD MANUFACTURING CO., INC., Pawtucket, R. I.
Filed April 22, 1929. Serial No. 282,800. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,397. STRINGED MUSICAL INSTRUMENTS OF THE FRETTED VARIETY AND STRING-DEPRESSING ATTACHMENTS THEREFOR, WHEREBY MORE THAN ONE STRING MAY BE DEPRESSED AT THE SAME TIME. THE KEYBOARD BANJO COMPANY OF AMERICA, INC., Cleveland, Ohio.
Filed April 12, 1929. Serial No. 282,299. PUBLISHED AUGUST 13, 1929. Class 36.
- 263,398. PORTABLE ELECTRIC RADIANT HEATERS FOR GENERAL USE. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed April 10, 1929. Serial No. 282,170. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,399. LARD. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed July 12, 1929. Serial No. 286,979. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,400. CANDY. BENNETT-HUBBARD CANDY CO., Chattanooga, Tenn.
Filed July 12, 1929. Serial No. 286,973. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,401. DRIED FRUITS. SUSAN A. TRENWITH, Santa Barbara, Calif.
Filed July 11, 1929. Serial No. 286,963. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,402. CANDY. BENNE CANDY COMPANY, Middleburg, Pa.
Filed July 8, 1929. Serial No. 286,736. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,403. CHOCOLATE CANDY. W. F. SCHRAFFT & SONS CORPORATION, Boston, Mass.
Filed July 3, 1929. Serial No. 286,599. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,404. CANNED FRUITS AND VEGETABLES. SCSS-MAN, WORMSER & COMPANY, San Francisco, Calif.
Filed July 1, 1929. Serial No. 286,461. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,405. CANNED FISH. SERGEANT-PACF COMPANY, Seattle, Wash.
Filed July 1, 1929. Serial No. 286,455. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,406. FRESH DECIDUOUS FRUITS. PACIFIC FRUIT EXCHANGE, San Francisco, Calif.
Filed June 1, 1929. Serial No. 286,440. PUBLISHED AUGUST 20, 1929. Class 46.

- 263,407. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH VEGETABLES, CANNED FISH, DRIED FRUITS. JOHN DEMARTINI CO. INC., San Francisco, Calif.
Filed July 1, 1929. Serial No. 286,424. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,408. CANDY. REICHAERT COCOA & CHOCOLATE CO. INC., New Brunswick, N. J.
Filed June 26, 1929. Serial No. 286,197. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,409. COFFEE. ALABAMA COFFEE CO., Sheffield, Ala.
Filed June 26, 1929. Serial No. 286,145. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,410. CANDY. LIFE SAVERS, INC., Port Chester, N. Y.
Filed June 24, 1929. Serial No. 286,065. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,411. GREEN COFFEE. J. A. MEDINA COMPANY, New York, N. Y.
Filed June 22, 1929. Serial No. 285,979. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,412. CHOCOLATE-COATED CANDY BARS. JAMES L. ROCHE, Detroit, Mich.
Filed June 21, 1929. Serial No. 285,938. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,413. COFFEE. CHAS. W. BAUERMEISTER CO., INC., Terre Haute, Ind.
Filed June 20, 1929. Serial No. 285,843. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,414. TEAS AND COFFEES. THE GOVERNOR AND COMPANY OF ADVENTURERS OF ENGLAND, TRADING INTO HUDSON'S BAY, doing business as Hudson's Bay Company, Winnipeg, Manitoba, Canada.
Filed June 12, 1929. Serial No. 285,455. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,415. CANNED SAUERKRAUT, CANNED CHERRIES, AND CANNED SAUERKRAUT JUICE. EMPIRE STATE PICKLING CO., Phelps, N. Y.
Filed June 10, 1929. Serial No. 285,347. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,416. SALTED NUTS, SHELLED NUTS, NUT FLAKES, CHOCOLATE DIPPED NUTS, NUT BRITTTLES, NUT BARS, AND NUTS IN THE SHELL. GENERAL NUT COMPANY, Chicago, Ill.
Filed June 7, 1929. Serial No. 285,203. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,417. CANDY. JACOBA CANDY COMPANY, LTD., doing business as Jane Joyce Candy Co., New Orleans, La.
Filed June 6, 1929. Serial No. 285,157. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,418. FRESH CITRUS FRUITS. CO-OPERATIVE CITRUS ASSOCIATION, Exeter, Calif.
Filed June 5, 1929. Serial No. 285,070. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,419. SPECIAL NONFREEZING CEMENT FOR CEMENTING TIRE PATCHES. WESTERN STATES MFG. CO., Sioux City, Iowa.
Filed November 12, 1928. Serial No. 275,199. PUBLISHED FEBRUARY 5, 1929. Class 5.
- 263,420. PILLOWS, SLEEPING PADS IN THE NATURE OF A THIN MATTRESS, AND MATTRESSES. PATRICK J. O'LEARY, Akron, Ohio.
Filed November 6, 1928. Serial No. 274,888. PUBLISHED AUGUST 27, 1929. Class 32.
- 263,421. HAIR TONIC. P. LUCIANO & SONS, Newark, N. J.
Filed October 1, 1928. Serial No. 273,194. PUBLISHED NOVEMBER 13, 1928. Class 6.
- 263,422. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, ESPECIALLY SILK HOSIERY. CAMPBELL, INC., Chicago, Ill.
Filed September 20, 1928. Serial No. 272,694. PUBLISHED MAY 28, 1929. Class 39.

- 263,423. BOYS' AND YOUTHS' WEARING APPAREL—NAMESLY, SUITS, OVERCOATS, RAINCOATS, DRESS, NEGLIGEE, AND WORK SHIRTS; HATS, SHOES MADE OF LEATHER, TEXTILE, OR RUBBER AND COMBINATIONS OF THESE MATERIALS; SWEATERS, REEFERS, AND UNDERGARMENTS—NAMESLY, SHIRTS, DRAWERS, AND UNION SUITS OF TEXTILE AND KNITTED FABRICS. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J.
Filed July 10, 1928. Serial No. 269,355. PUBLISHED OCTOBER 30, 1928. Class 39.
- 263,424. FLUSH VALVES. SLOAN VALVE COMPANY, Chicago, Ill.
Filed November 8, 1928. Serial No. 274,987. PUBLISHED AUGUST 20, 1929. Class 13.
- 263,425. AUTOMOBILES. MOON MOTOR CAR COMPANY, St. Louis, Mo.
Filed October 25, 1928. Serial No. 274,274. PUBLISHED AUGUST 27, 1929. Class 19.
- 263,426. SEMIPORCELAIN DINNER WARE AND SEMIPORCELAIN HOTEL WARE, DECORATED WHITE SEMIPORCELAIN DINNER WARE AND CREAM SEMIPORCELAIN DINNER WARE. MERRICK POTTERY COMPANY, Trenton, N. J.
Filed August 20, 1928. Serial No. 271,306. PUBLISHED AUGUST 20, 1929. Class 30.
- 263,427. UNDERGARMENTS OF TEXTILE FABRICS—NAMESLY, BLOOMERS, PANTIES, FITTED-TOP COMBINATIONS (VEST AND DRAWER COMBINATIONS), NIGHTGOWNS, PAJAMAS, SLIPS, AND VESTS. DERAWEAR CORPORATION, Minneapolis, Minn.
Filed August 2, 1928. Serial No. 270,469. PUBLISHED JULY 23, 1929. Class 39.
- 263,428. CIGARS. E. P. CORDEIRO & CO., New York, N. Y.
Filed July 3, 1928. Serial No. 269,050. PUBLISHED AUGUST 27, 1929. Class 17.
- 263,429. VINEGAR. REPP ORCHARD PRODUCTS CO., Glassboro, N. J.
Filed June 13, 1929. Serial No. 285,531. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,430. LINOLEUM. CARTRAGE MILLS INCORPORATED, Cincinnati, Ohio.
Filed June 12, 1929. Serial No. 285,442. PUBLISHED AUGUST 27, 1929. Class 20.
- 263,431. SALAD OIL. KIBNZLER CO. INC., New York, N. Y.
Filed June 12, 1929. Serial No. 285,460. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,432. POWDER FOR GIVING STABILITY AND SMOOTHNESS OF TEXTURE TO FROZEN FOOD PRODUCTS SUCH AS ICE CREAM, SHERBET, WATER ICE, ETC. GROVER D. TURNBOW, Oakland, Calif.
Filed June 11, 1929. Serial No. 285,428. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,433. ARTIFICIAL-SILK YARNS, THREADS, AND FILAMENTS. DU PONT RAYON COMPANY, Buffalo, N. Y.
Filed June 11, 1929. Serial No. 285,413. PUBLISHED JULY 30, 1929. Class 43.
- 263,434. MEDICINES FOR RHEUMATISM, RHEUMATOID ARTHRITIS, SCIATICA, AND GOUT. SUNSHINE REMEDIES LIMITED, London, England.
Filed June 10, 1929. Serial No. 285,393. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,435. ELIXIR AND WAFER PREPARATIONS FOR GASTROINTESTINAL TRACT AND PILLS AND EFFERVESCENT GRANULES TO AID DIGESTION. FRANK J. MAHONEY, doing business as Menthenzymes Co., San Francisco, Calif.
Filed July 12, 1929. Serial No. 286,992. PUBLISHED AUGUST 20, 1929. Class 6.

- 263,436. LAXATIVE. T. S. BURNS & BOYS CO., INCORPORATED, Buffalo, N. Y.
Filed July 12, 1929. Serial No. 286,974. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,437. FILLED CAPSULE USEFUL AS AN ANALGESIC, ANTIPYRETIC, DIURETIC, AND DIAPHORETIC. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed July 12, 1929. Serial No. 286,990. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,438. FACE POWDERS, TALCUM POWDERS, PERFUMES, TOILET WATERS, ROUGE, LIP STICKS, SACHET POWDERS, FACIAL CREAMS, AND SKIN AND HAIR LOTIONS. SOLOMON CRUSO, New York, N. Y.
Filed July 10, 1929. Serial No. 286,870. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,439. FACE POWDERS, TALCUM POWDERS, PERFUMES, TOILET WATERS, ROUGE, LIP STICKS, SACHET POWDERS, FACIAL CREAMS, AND SKIN AND HAIR LOTIONS. SOLOMON CRUSO, New York, N. Y.
Filed July 10, 1929. Serial No. 286,869. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,440. FLAT GLASS. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed July 8, 1929. Serial No. 286,739. PUBLISHED AUGUST 27, 1929. Class 33.
- 263,441. FLAT GLASS. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed July 8, 1929. Serial No. 286,738. PUBLISHED AUGUST 27, 1929. Class 33.
- 263,442. FLAT GLASS. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed July 8, 1929. Serial No. 286,737. PUBLISHED AUGUST 27, 1929. Class 33.
- 263,443. TEXTILE RUGS. BAY STATE RUG CO., INC., Lowell, Mass.
Filed July 3, 1929. Serial No. 286,548. PUBLISHED AUGUST 27, 1929. Class 42.
- 263,444. TEXTILE RUGS. BAY STATE RUG CO., INC., Lowell, Mass.
Filed July 2, 1929. Serial No. 286,471. PUBLISHED AUGUST 27, 1929. Class 42.
- 263,445. RIDING BREECHES. THEISTER-YANOW COMPANY, Los Angeles, Calif.
Filed June 21, 1929. Serial No. 285,952. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,446. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. SOCIETE ANONYME DES USINES REHAULT, Billancourt, France.
Filed June 21, 1929. Serial No. 285,946. PUBLISHED AUGUST 20, 1929. Class 19.
- 263,447. CHILDREN'S SWEATERS AND SWEATER SUITS. MAY KNITTING COMPANY, INC., New York, N. Y.
Filed June 21, 1929. Serial No. 285,928. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,448. WOOLEN WOVEN CLOTHS COMPRISING PIECE GOODS. JOSEPH A. DUMPEY, INC., New York, N. Y.
Filed June 21, 1929. Serial No. 285,909. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,449. HOSIERY. SAM. SHAPIRO, Bloomfield, N. J.
Filed June 20, 1929. Serial No. 285,889. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,450. MEN'S DRESS SHIRTS, WORK SHIRTS, COLLARS, AND PAJAMAS MADE OF COTTON GOODS, RAYON, AND SILK. MARLBORO SHIRT COMPANY, INC., Baltimore, Md.
Filed June 20, 1929. Serial No. 285,868. PUBLISHED AUGUST 13, 1929. Class 39.

- 263,451. MEN'S AND BOYS' COATS, VESTS, AND PANTS. R. H. WHITE COMPANY, Boston, Mass.
Filed June 18, 1929. Serial No. 285,760. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,452. NECKTIES, CRAVATS, MUFFLERS, SCARFS, BATH ROBES, DRESSING GOWNS, BATHING SUITS, AND MEN'S KNICKERS AND FLANNEL TROUSERS. BLOOM STEIN, INC., New York, N. Y.
Filed June 19, 1929. Serial No. 285,768. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,453. LADIES', MISSES', AND CHILDREN'S COATS. EDWARD KRINER & CO. INC., New York, N. Y.
Filed June 17, 1929. Serial No. 285,681. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,454. FOOT WARMERS AND ADULTS' AND INFANTS' SLEEPING BAGS MADE OF BLANKET FABRIC OR COTTON, WOOL, OR MIXTURES THEREOF. TIDY PRODUCTS CO., New York, N. Y.
Filed June 15, 1929. Serial No. 285,644. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,455. COCKS, FAUCETS, PLUMBING VALVE DEVICES, METAL PIPE FITTINGS, AND PIPE CONNECTIONS. THE CLEVELAND BRASS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 15, 1929. Serial No. 285,623. PUBLISHED AUGUST 27, 1929. Class 13.
- 263,456. RUBBERIZED CLOTHING—NAMESLY, MEN'S JUMPER SUITS OF RUBBERIZED FABRIC. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y.
Filed June 14, 1929. Serial No. 285,608. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,457. ELECTRICALLY-HEATED TOASTER FOR PIERCING PREBAKED DOUGH PRODUCTS SUCH AS ROLLS FOR SANDWICHES, TO FORM CAVITIES THEREIN TO RECEIVE SANDWICH FILLERS, AND TO TOAST THE WALLS OF SAID CAVITIES. AKRON TOASTER COMPANY, Akron, Ohio, assignor to Toastie-Hot Inc., Akron, Ohio, a Corporation of Ohio.
Filed February 25, 1929. Serial No. 279,823. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,458. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. SPEIDEL BROS., Providence, R. I.
Filed March 11, 1929. Serial No. 280,580. PUBLISHED AUGUST 20, 1929. Class 28.
- 263,459. LUBRICATING OILS. THE CITIZEN SERVICE OIL COMPANY, Cleveland, Ohio.
Filed January 30, 1929. Serial No. 278,636. PUBLISHED AUGUST 20, 1929. Class 15.
- 263,460. AUTOMOTIVE ARMATURES FOR REPLACEMENT PURPOSES. HAROLD VINTON HAHN, doing business as The Armature Company, Cleveland, Ohio.
Filed January 22, 1929. Serial No. 278,291. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,461. AUTOMOTIVE ARMATURES FOR REPLACEMENT PURPOSES. HAROLD VINTON HAHN, doing business as The Armature Company, Cleveland, Ohio.
Filed January 22, 1929. Serial No. 278,290. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,462. ARBORS, BITS, CENTER REAMERS, ETC. WHITMAN & BARNES, INC., Detroit, Mich.
Filed May 27, 1929. Serial No. 284,711. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,463. INTERNAL-COMBUSTION ENGINES FOR AEROPLANES, SEAPLANES, AND FLYING BOATS. THE DE HAVILLAND AIRCRAFT COMPANY LIMITED, Edgware, England.
Filed May 16, 1929. Serial No. 284,114. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,464. POCKETKNIVES. UTICA CUTLERY COMPANY, Utica, N. Y.
Filed April 23, 1929. Serial No. 282,888. PUBLISHED AUGUST 20, 1929. Class 28.

- 263,465. MACHINES FOR CUTTING DESIGNS ON FLAT GLASS. RIBBON MITER MACHINE COMPANY, Indianapolis, Ind.
Filed April 1, 1929. Serial No. 281,696. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,466. WOOD FURNITURE—NAMELY, OFFICE DESKS, TABLES AND CHAIRS, AND FILING CABINETS AND DRAWERS. DAVID KRAMER, INC., New York, N. Y.
Filed March 23, 1929. Serial No. 281,215. PUBLISHED AUGUST 20, 1929. Class 32.
- 263,467. TRESTLES AND CRANES, CONVEYORS, ETC. MOORE TRENCH MACHINE COMPANY, Rockaway, N. J.
Filed March 12, 1929. Serial No. 280,616. PUBLISHED AUGUST 20, 1929. Class 23.
- 263,468. LEATHER BELTING. BALDWIN BELTING & LEATHER CO., INC., New York, N. Y.
Filed March 7, 1929. Serial No. 280,375. PUBLISHED AUGUST 20, 1929. Class 35.
- 263,469. DISPLAY SHADE FOR DISPLAYING ARTICLES TO BE SOLD AND INCLUDING A SHADING ELEMENT WHICH IS MOUNTED ADJACENT WARES ON DISPLAY AND ELECTRIC-LIGHTING MEANS ADJACENT THE SHADING ELEMENT FOR THROWING LIGHT UPON THE DISPLAYED WARES. THE TODD DISPLAY SHADE COMPANY, Bridgeport, Conn.
Filed February 11, 1929. Serial No. 279,199. PUBLISHED AUGUST 20, 1929. Class 32.
- 263,470. POCKETKNIVES, SCISSORS; KNIVES, FORKS, AND SPOONS OF BASE METAL; RAZORS, AND HAIR CLIPPERS. GIESEN & FORSTHOFF, STAHLWARENFABRIK, Solingen, Germany.
Filed January 31, 1929. Serial No. 278,730. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,471. INNER-SPRING MATTRESSES. ROBERTI BROS., Los Angeles, Calif.
Filed December 24, 1928. Serial No. 277,182. PUBLISHED AUGUST 20, 1929. Class 32.
- 263,472. LUBRICATING GREASES. SWAN-FINCH OIL CORPORATION, New York, N. Y.
Filed May 25, 1929. Serial No. 284,648. PUBLISHED AUGUST 13, 1929. Class 15.
- 263,473. RADIO RECEIVING SETS AND LOUD-SPEAKERS, ELECTRON TUBES, ETC. SAMUEL FRANK, doing business as Preferred Radio Stores, New York, N. Y.
Filed May 25, 1929. Serial No. 284,609. PUBLISHED AUGUST 20, 1929. Class 21.
- 263,474. ELECTRICAL SAFETY FLASHING-SIGNAL LAMPS FOR AUTOMOBILES AND UPON THE STREET AS TRAFFIC SIGNALS. CHARLES K. ENDICOTT, doing business as Canton Battery & Ignition Co., Canton, Mass.
Filed May 23, 1929. Serial No. 284,528. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,475. LUBRICATING OIL AND FUEL FOR INTERNAL-COMBUSTION ENGINES—NAMELY, GASOLINE. WARNER-QUINLAN COMPANY, New York, N. Y.
Filed May 21, 1929. Serial No. 284,431. PUBLISHED AUGUST 13, 1929. Class 15.
- 263,476. JEWELRY, SILVER TABLEWARE, ETC. B. ALTMAN & Co., New York, N. Y.
Filed May 21, 1929. Serial No. 284,378. PUBLISHED AUGUST 13, 1929. Class 28.
- 263,477. ELEVATOR CONTROLLERS, SWITCHES, STOP-MOTION DEVICES, ETC. THE MAINTENANCE COMPANY, INC., New York, N. Y.
Filed May 18, 1929. Serial No. 284,241. PUBLISHED AUGUST 13, 1929. Class 21.

- 263,478. BATTERY CHARGERS, WELDERS, AND ELECTRIC DOOR OPENERS. SAMUEL F. WHITE, Jr., doing business as Electric Equipment Company, Chicago, Ill.
Filed May 17, 1929. Serial No. 284,212. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,479. FINGER RINGS, BROOCHES, PENDANTS, BRACELETS, AND LIKE ARTICLES OF JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. FRAY JEWELRY COMPANY, Providence, R. I.
Filed May 16, 1929. Serial No. 284,119. PUBLISHED AUGUST 20, 1929. Class 28.
- 263,480. CONNECTORS FOR ELECTRIC WIRES. GRAHAM R. SRAWELL, Beverly Hills, Calif.
Filed May 15, 1929. Serial No. 284,087. PUBLISHED AUGUST 13, 1929. Class 21.
- 263,481. ELECTRIC STOVES AND ELECTRIC RANGES. NORRIS & HARRIS, Detroit, Mich., assignor to The Edison Illuminating Company of Detroit, Detroit, Mich.
Filed April 29, 1929. Serial No. 283,209. PUBLISHED AUGUST 20, 1929. Class 21.
- 263,482. BATHING SUITS FOR MEN, WOMEN, AND CHILDREN. SINGLAI KNITTING MILLS, INC., New York, N. Y.
Filed June 13, 1929. Serial No. 285,533. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,483. SILK PIECE GOODS. FULTON COUNTY SILK MILLS, Gloversville, N. Y.
Filed June 12, 1929. Serial No. 285,451. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,484. TEXTILE STEAMER RUGS AND HANDKERCHIEFS. KASKEL & KASKEL CORPORATION, New York, N. Y., now by change of name to Kaskel & Kaskel Dunlap Corporation.
Filed June 10, 1929. Serial No. 285,356. PUBLISHED AUGUST 20, 1929. Class 42.
- 263,485. WRINGERS. LOVELL MANUFACTURING COMPANY, Erie, Pa.
Filed June 8, 1929. Serial No. 285,282. PUBLISHED AUGUST 27, 1929. Class 24.
- 263,486. VARNISH OR OIL LACQUER. THE AULT & WISBORG VARNISH WORKS, INC., Cincinnati, Ohio.
Filed December 20, 1928. Serial No. 276,998. PUBLISHED AUGUST 20, 1929. Class 16.
- 263,487. SYNTHETIC ORGANIC CHEMICAL COMPOUNDS SUITABLE FOR USE IN IMITATION VANILLA AND OTHER FLAVORING EXTRACTS. FLORASYNTH LABORATORIES, INC., New York, N. Y.
Filed December 18, 1928. Serial No. 276,929. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,488. SYNTHETIC ORGANIC CHEMICAL COMPOUNDS SUITABLE FOR USE IN IMITATION VANILLA AND OTHER FLAVORING EXTRACTS FOR FOOD PURPOSES. FLORASYNTH LABORATORIES, INC., New York, N. Y.
Filed December 18, 1928. Serial No. 276,928. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,489. PERFUMES, SKIN CREAMS, SKIN LOTIONS, HAIR TONICS, ETC. RUTH C. P. STEVENSON, Rockcliffe Park, Ontario, Canada.
Filed December 10, 1928. Serial No. 276,545. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,490. PERFUMES, SKIN CREAMS, SKIN LOTIONS, SKIN TONICS, HAIR TONICS, HAIR WASHES, HAIRDRESSINGS, TOILET POWDER, TOILET WATERS, BATH SALTS, SMELLING SALTS, TOOTH PASTE, TOOTH POWDER, LIQUID ROUGES, DRY ROUGES, FACE BLEACHES, FACIAL CLAYS, SHAMPOOS, SACHET POWDER, LIP STICKS, NAIL POWDER, NAIL CREAMS, NAIL BLEACHES, NAIL POLISHES, ASTRINGENTS, FACE PACKS, INCENSE, EYEBROW AND EYELASH PREPARATIONS. RUTH C. P. STEVENSON, Rockcliffe Park, Ontario, Canada.
Filed December 10, 1928. Serial No. 276,543. PUBLISHED AUGUST 27, 1929. Class 6.

- 263,491. HAND BAGS AND POCKETBOOKS. GOLD-SMITH BROTHERS, New York, N. Y.
Filed September 28, 1928. Serial No. 273,103. PUBLISHED AUGUST 20, 1929. Class 3.
- 263,492. CANNED VEGETABLES AND PORK AND BEANS. THE SEARS & NICHOLS CORPORATION, doing business as Fairchild Canning Company, Chillicothe, Ohio.
Filed October 2, 1928. Serial No. 273,253. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,493. TOASTED BLACK WALNUTS. BLODGETT NUT COMPANY, Fayetteville, Ark.
Filed September 20, 1928. Serial No. 272,690. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,494. FRESH HERRINGS, CANNED HERRINGS, CANNED KIPPERED HERRINGS, ETC. MAC FISHERIES LIMITED, London, England.
Filed August 23, 1928. Serial No. 271,452. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,495. SOUPS, ALIMENTARY PASTES, BOUILLON CUBES, DRIED VEGETABLES, AND CONCENTRATED FOOD FLAVORS. KNORA FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed December 7, 1928. Serial No. 276,423. PUBLISHED AUGUST 20, 1929. Class 46.
- 263,496. SETS OF MOTOR-CAR-REPAIR TOOLS. KENT-MOORE ORGANIZATION, Detroit, Mich.
Filed November 19, 1928. Serial No. 275,495. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,497. MEDICATED SHERRY FOR USE AS A GENERAL TONIC. PETER MAGGINI, doing business as Columbia Specialty Co., Newark, N. J.
Filed November 15, 1928. Serial No. 275,361. PUBLISHED FEBRUARY 12, 1929. Class 6.
- 263,498. FOLDING CHAIRS SUITABLE FOR USE IN THE HOUSEHOLD, ASSEMBLY HALLS, ETC. LOUIS RASTETTER & SONS, Fort Wayne, Ind.
Filed December 19, 1928. Serial No. 276,987. PUBLISHED AUGUST 20, 1929. Class 32.
- 263,499. EXPLOSIVE ENGINES, PUMPS, CLUTCHES, AND REVERSE GEARS. KERMATH MANUFACTURING CO., Detroit, Mich.
Filed November 15, 1928. Serial No. 275,387. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,500. FLAVORING EXTRACTS FOR NONALCOHOLIC CEREAL, MALT BEVERAGES. MILTON PAUL, doing business as International Extract Co., New York, N. Y.
Filed November 9, 1928. Serial No. 275,068. PUBLISHED AUGUST 20, 1929. Class 48.
- 263,501. TEXTILE MACHINERY COMPRISING FIBER OPENING AND PICKING MACHINERY. WOOL-SOCKET MACHINE & PRESS COMPANY, INCORPORATED, Woonsocket, R. I.
Filed July 20, 1928. Serial No. 269,927. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,502. CARBURETORS AND FUEL-INJECTION DEVICES FOR INTERNAL-COMBUSTION MOTORS, COMPRISING FUEL-INJECTION PUMPS, NOZZLES, JETS, NOZZLE HOLDERS, PIPES. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany.
Filed July 5, 1928. Serial No. 269,080. PUBLISHED AUGUST 27, 1929. Class 23.
- 263,503. ELECTRIC PHONOGRAPHS AND PHONOGRAPHS ADAPTED FOR COMBINATION WITH RADIO RECEIVING SETS. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed October 26, 1928. Serial No. 274,315. PUBLISHED AUGUST 13, 1929. Class 36.
- 263,504. BATTERY TERMINAL PASTE FOR PREVENTING CORROSION ON BATTERY TERMINALS AND CHEMICAL TIRE AND TUBE PRESERVER. STEVEN A. GUDGON, La Farge, Wis.
Filed September 1, 1928. Serial No. 271,851. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,505. SOLVENTS FOR CELLULOSE ETHERS AND ESTERS AND NATURAL AND ARTIFICIAL GUMS AND RESINS. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed July 6, 1928. Serial No. 269,181. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,506. WOVEN-FABRIC BAGS, WHICH MAY BE MADE OF ANY DESIRED MATERIAL. ROCKWEAVE MILLS, DIVISION CALLAWAY MILLS, Lagrange, Ga.
Filed December 7, 1928. Serial No. 276,432. PUBLISHED AUGUST 20, 1929. Class 2.
- 263,507. DYESTUFFS, LAKES, AND CHEMICAL PRODUCTS SUITABLE FOR DYEING PURPOSES. GENOY COMPANY, INC., New York, N. Y.
Filed May 22, 1929. Serial No. 284,454. PUBLISHED AUGUST 27, 1929. Class 6.
- 263,508. HOSIERY. OPAL HOSIERY MILLS, Philadelphia, Pa.
Filed May 29, 1929. Serial No. 284,817. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,509. CHILDREN'S OUTER WEAR—NAMELY, A GARMENT FOR CHILDREN WHICH COMPLETELY ENCLOSES THE TORSO, ARMS, AND LEGS IN A COVERING OF HEAVY CLOTH AS A PROTECTION AGAINST THE WEATHER. ALICE E. AKINS, Chicago, Ill.
Filed May 28, 1929. Serial No. 284,715. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,510. TRAILERS, BOTH PASSENGER AND COMMERCIAL. THE AEROCAR CORPORATION, Detroit, Mich.
Filed May 28, 1929. Serial No. 284,714. PUBLISHED AUGUST 13, 1929. Class 19.
- 263,511. HOSIERY. INNES SHOE CO., Los Angeles and Pasadena, Calif.
Filed May 16, 1929. Serial No. 284,127. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,512. HOSIERY. INNES SHOE CO., Los Angeles and Pasadena, Calif.
Filed May 16, 1929. Serial No. 284,128. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,513. LADIES' AND MISSES' GOWNS, FROCKS, AND DRESSES. PERETH COHEN, doing business as The Calvert Dress Company, Baltimore, Md.
Filed May 14, 1929. Serial No. 283,988. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,514. INFANTS' NAPKIN PROTECTORS. JOSEPHINE B. YOUNG, Los Angeles, Calif.
Filed May 7, 1929. Serial No. 283,641. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,515. AUTOMOBILE HEATERS USING HOT GASES FROM THE ENGINE. G. A. ROTH MFG. CO., Hastings, Nebr.
Filed May 4, 1929. Serial No. 283,534. PUBLISHED AUGUST 27, 1929. Class 19.
- 263,516. MOTOR BOATS AND AIRPLANES. DYER MOTORCRAFT CORPORATION, East Greenwich, R. I.
Filed April 30, 1929. Serial No. 283,266. PUBLISHED AUGUST 20, 1929. Class 19.
- 263,517. STEAM-PRESSURE COOKERS. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis.
Filed April 19, 1929. Serial No. 282,670. PUBLISHED AUGUST 27, 1929. Class 13.
- 263,518. CIGARS, CIGARETTES, CIGARILLOS, TWISTED TOBACCO, AND PIPE-TOBACCO ROLLS. GEORGE BRÜDER CASPERS, Hiltorf, near Cologne, Germany.
Filed April 11, 1929. Serial No. 282,235. PUBLISHED AUGUST 27, 1929. Class 17.
- 263,519. WINDOW ROLLER SCREENS. BRUCE BLACKBURN, doing business as Disappearing Roller Screen Company, Los Angeles, Calif.
Filed March 26, 1929. Serial No. 281,335. PUBLISHED AUGUST 20, 1929. Class 13.

263,520. FLYING MACHINES. KEYSTONE AIRCRAFT CORPORATION, Bristol, Pa.
Filed March 23, 1929. Serial No. 281,212. PUBLISHED AUGUST 27, 1929. Class 19.

263,521. STEEL-REINFORCED HARD-RUBBER-COVERED STEERING WHEELS. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed January 8, 1929. Serial No. 277,692. PUBLISHED AUGUST 20, 1929. Class 19.

263,522. STRAW AND FELT HATS FOR MEN AND WOMEN AND CAPS FOR MEN. THE HODSHON COMPANY, Danbury, Conn., and New York, N. Y.
Filed June 3, 1929. Serial No. 284,942. PUBLISHED JULY 23, 1929. Class 39.

263,523. TITANIUM OXIDE USED IN THE MANUFACTURE OF PAINT. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed May 28, 1929. Serial No. 284,752. PUBLISHED AUGUST 27, 1929. Class 16.

263,524. WEARING APPAREL FOR WOMEN AND CHILDREN—NAMESLY, DRESSES. THE BROADBENT KNITTING CO., LTD., Broadalbin, N. Y.
Filed June 3, 1929. Serial No. 284,931. PUBLISHED AUGUST 13, 1929. Class 39.

263,525. ALL KINDS OF LAMP SHADES MADE OF PAPER, FIBRE, CELLULOSE, METAL, PARCHMENT, FABRIC, AND METAL AND GLASS. METROPOLITAN IMPORTING & MFG. CO., New York, N. Y.
Filed May 27, 1929. Serial No. 284,687. PUBLISHED AUGUST 20, 1929. Class 34.

263,526. POTTERY, CROCKERY, EARTHENWARE, AND PORCELAIN. JOHN WANAMAKER NEW YORK, New York, N. Y.
Filed July 10, 1929. Serial No. 286,908. PUBLISHED AUGUST 20, 1929. Class 30.

263,527. CIGARETTES. TALKER CANDY CORP., New York, N. Y.
Filed July 10, 1929. Serial No. 286,906. PUBLISHED AUGUST 27, 1929. Class 17.

263,528. CLOTHING—NAMESLY, MEN'S AND BOYS' SUITS AND OVERCOATS. JACOB GRAFF, New York, N. Y.
Filed July 10, 1929. Serial No. 286,881. PUBLISHED AUGUST 20, 1929. Class 39.

263,529. SILK AND COTTON PIECE GOODS. TILTON & KNEELER, INC., New York, N. Y.
Filed July 9, 1929. Serial No. 286,842. PUBLISHED AUGUST 20, 1929. Class 42.

263,530. COTTON, WOOLEN, SILK, AND RAYON PIECE GOODS AND MIXTURES OF THE SAME. I. MITTELMAN & COMPANY, New York, N. Y.
Filed July 9, 1929. Serial No. 286,832. PUBLISHED AUGUST 20, 1929. Class 42.

263,531. LADIES', MISSES', AND CHILDREN'S PROCKS. VIGOR AND FLAMM, New York, N. Y.
Filed July 8, 1929. Serial No. 286,808. PUBLISHED AUGUST 20, 1929. Class 39.

263,532. COTTON CLOTHESLINES. SILVER LAKE COMPANY, Newton, Mass.
Filed July 6, 1929. Serial No. 286,696. PUBLISHED AUGUST 20, 1929. Class 7.

263,533. HOSIERY. RUFUS W. SCOTT COMPANY, New York, N. Y.
Filed July 6, 1929. Serial No. 286,695. PUBLISHED AUGUST 20, 1929. Class 39.

263,534. CARBON BLACK. IMPERIAL OIL & GAS PRODUCTS COMPANY, Pittsburgh, Pa.
Filed June 26, 1929. Serial No. 286,171. PUBLISHED AUGUST 27, 1929. Class 16.

263,535. WASHING MACHINES FOR HOUSEHOLD LAUNDRY USE. THE DEXTER COMPANY, Fairfield, Iowa.
Filed June 24, 1929. Serial No. 286,039. PUBLISHED AUGUST 20, 1929. Class 24.

263,536. CARBON BLACK. IMPERIAL OIL & GAS PRODUCTS COMPANY, Pittsburgh, Pa.
Filed June 26, 1929. Serial No. 286,170. PUBLISHED AUGUST 27, 1929. Class 16.

263,537. PAINTS IN PASTE AND READY-MIXED FORM. THE COX PAINT & VARNISH COMPANY, Massillon, Ohio.
Filed June 24, 1929. Serial No. 286,038. PUBLISHED AUGUST 20, 1929. Class 16.

263,538. FURNITURE POLISH. E. J. QUINLIVAN, Denver, Colo.
Filed June 22, 1929. Serial No. 285,960. PUBLISHED AUGUST 20, 1929. Class 16.

263,539. AUTOMOBILES. H. T. LATHY MOTOR COMPANY, Cleveland Heights, Ohio.
Filed June 21, 1929. Serial No. 285,928. PUBLISHED AUGUST 20, 1929. Class 19.

263,540. DECORATIVE PLASTIC PAINTS. JAMES R. VERNON, doing business as Texmode Company, Philadelphia, Pa.
Filed June 10, 1929. Serial No. 285,401. PUBLISHED AUGUST 20, 1929. Class 16.

263,541. REAR-VIEW MIRRORS FOR USE ON AUTOMOTIVE VEHICLES AND OTHER CONVEYANCES, INCLUDING AIRCRAFT AND MARINE VESSELS. THE SIMPLEX PISTON RING COMPANY OF AMERICA, INC., Cleveland, Ohio.
Filed June 10, 1929. Serial No. 285,387. PUBLISHED AUGUST 20, 1929. Class 19.

263,542. SILK AND RAYON TEXTILE FABRICS. NATIONAL SILK DYEING COMPANY, Paterson, N. J.
Filed July 12, 1929. Serial No. 286,998. PUBLISHED AUGUST 20, 1929. Class 42.

263,543. PIECE GOODS—NAMESLY, LINEN DAMASK, LINEN CLOTHS, NAPKINS, AND TOWELS. GIBSON COMPANY, INC., New York, N. Y.
Filed July 12, 1929. Serial No. 287,068. PUBLISHED AUGUST 20, 1929. Class 42.

263,544. WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed July 17, 1929. Serial No. 287,285. PUBLISHED AUGUST 27, 1929. Class 27.

263,545. CIGARS, LITTLE CIGARS, CIGARETTES, AND MANUFACTURED TOBACCO. E. POPPER & COMPANY, INC., New York, N. Y.
Filed July 12, 1929. Serial No. 287,005. PUBLISHED AUGUST 27, 1929. Class 17.

263,546. BILLIARD BALLS AND CUE BALLS. HENRY BUSS & SONS, New York, N. Y.
Filed June 24, 1929. Serial No. 286,026. PUBLISHED AUGUST 20, 1929. Class 22.

263,547. HAND GRIPS FOR SPORTING GOODS. GADSDEN E. RUSSELL, doing business as Klever Grip Company, Atlanta, Ga.
Filed June 22, 1929. Serial No. 285,986. PUBLISHED AUGUST 27, 1929. Class 22.

263,548. MINERAL OIL USED AS A PREVENTIVE OF CONSTIPATION. GEORGE MORTIMER AND COMPANY, INCORPORATED, Boston, Mass.
Filed June 22, 1929. Serial No. 285,981. PUBLISHED AUGUST 27, 1929. Class 6.

263,549. BREAD. CAPITAL CITY BAKING CO. Harrisburg, Pa.
Filed June 21, 1929. Serial No. 285,906. PUBLISHED AUGUST 20, 1929. Class 46.

263,550. SPORTING GOODS, ARTICLES AND TOYS. NOAH P. SHEN, Rochester, N. Y.
Filed June 18, 1929. Serial No. 285,752. PUBLISHED AUGUST 27, 1929. Class 22.

263,551. BATH POWDER AND ANTISEPTIC POWDER. VERRANO-WILLIAMS LABORATORY, Welch, W. Va.
Filed June 13, 1929. Serial No. 285,541. PUBLISHED AUGUST 27, 1929. Class 6.

263,552. FOOD FOR POULTRY AND LIVESTOCK. UNIVERSAL MILLS, Fort Worth, Tex.
Filed June 12, 1929. Serial No. 285,487. PUBLISHED AUGUST 27, 1929. Class 46.

263,553. HAIR-VELT CARPET CUSHIONING OR PADDING MATERIAL. WILLIAM SCHOLES & SONS, INC., Philadelphia, Pa.
Filed June 12, 1929. Serial No. 285,476. PUBLISHED AUGUST 20, 1929. Class 50.

263,554. WAFER BREAD. THE CRISPY BAKING COMPANY INC., Boston, Mass.
Filed June 6, 1929. Serial No. 285,150. PUBLISHED AUGUST 20, 1929. Class 46.

263,555. DOLLS. IDEAL NOVELTY & TOY CO. INC., Brooklyn, N. Y.
Filed June 4, 1929. Serial No. 285,027. PUBLISHED AUGUST 20, 1929. Class 22.

263,556. ROAD MARKERS. BULLDOG MARKER CORPORATION, New Haven, Conn.
Filed June 3, 1929. Serial No. 285,065. PUBLISHED AUGUST 6, 1929. Class 50.

263,557. COOKIES. THE CHANTILLY KOOKIES COMPANY, New York, N. Y.
Filed June 4, 1929. Serial No. 285,014. PUBLISHED AUGUST 20, 1929. Class 46.

263,558. BOWLING BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed July 15, 1929. Serial No. 287,110. PUBLISHED AUGUST 27, 1929. Class 22.

263,559. BILLIARD BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed July 15, 1929. Serial No. 287,109. PUBLISHED AUGUST 27, 1929. Class 22.

263,560. ATOMIZERS. MARCEL FRANCK, INC., New York, N. Y.
Filed June 28, 1929. Serial No. 286,882. PUBLISHED AUGUST 20, 1929. Class 44.

263,561. EARPHONES FOR THE USE OF PERSONS WITH DEFECTIVE HEARING. AMERICAN PHONOPHOR CORPORATION, New York, N. Y.
Filed July 10, 1929. Serial No. 286,852. PUBLISHED AUGUST 20, 1929. Class 44.

263,562. READY-MIXED PAINTS. EVERSEAL MANUFACTURING CO., INC., New York, N. Y.
Filed July 11, 1929. Serial No. 286,981. PUBLISHED AUGUST 27, 1929. Class 16.

263,563. MANICURE SETS. BOSTON FLORAL SUPPLY AND SNYDER COMPANY, doing business as Northeastern Laboratories, Boston, Mass.
Filed June 28, 1929. Serial No. 286,302. PUBLISHED AUGUST 13, 1929. Class 44.

263,564. [WITHDRAWN.]

263,565. CANNED PEAS. CALUMET PACKING COMPANY, Sheboygan, Wis.
Filed May 22, 1929. Serial No. 284,489. PUBLISHED AUGUST 27, 1929. Class 46.

263,566. FRESH GRAPEFRUIT AND FRESH ORANGES. CITRUS-GARDENS DEVELOPMENT CO., Chicago, Ill.
Filed May 9, 1929. Serial No. 283,720. PUBLISHED AUGUST 27, 1929. Class 46.

263,567. CANNED SARDINES. ANGUS WATSON & CO. (AMERICA) LIMITED, San Francisco, Calif.
Filed April 6, 1929. Serial No. 281,931. PUBLISHED AUGUST 20, 1929. Class 46.

263,568. CANDIES AND CONFECTIONS—NAMESLY, OPERA CREAMS, MINT LOAF, CARAMELS, NOUGATINES, NOUGAT CHEWS; FRUITS, GLACED AND CHOCOLATE COVERED, INCLUDING RASPBERRY HEARTS; AND NUTS, SHELLED, PLAIN, AND SALTED, INCLUDING PEANUTS, ALMONDS, CASHEWS, WALNUTS, AND PECANS; ALSO CHOCOLATE AND CANDY COVERED NUTS, INCLUDING MAPLE WALNUTS, NUT CLUSTERS, AND NUT KRAKLINS. THE NEWTON PRODUCTS COMPANY, Cincinnati, Ohio.
Filed March 13, 1929. Serial No. 280,662. PUBLISHED AUGUST 27, 1929. Class 46.

263,569. FRESH DECIDUOUS FRUITS. SIMONS, SHUTTLEWORTH & FRENCH COMPANY, INC., New York, N. Y.
Filed February 20, 1929. Serial No. 279,688. PUBLISHED AUGUST 27, 1929. Class 46.

263,570. CANDY. WILLIAM G. RYAN, doing business as Ryan Candy Company, Dallas, Tex.
Filed January 21, 1929. Serial No. 278,260. PUBLISHED AUGUST 27, 1929. Class 46.

263,571. FRESH APPLES. GRAVENSTEIN APPLE GROWERS CO-OPERATIVE ASSOCIATION OF SONOMA COUNTY, Sebastopol, Calif.
Filed December 24, 1928. Serial No. 277,164. PUBLISHED AUGUST 27, 1929. Class 46.

263,572. WHEAT FLOUR, GRAHAM FLOUR, CORN MEAL, WHEAT FEED SUCH AS BRAN, SHORTS, AND MIXED FEED. THEO. STIVERS MILLING COMPANY, Cleveland, Tenn.
Filed December 21, 1928. Serial No. 277,094. PUBLISHED AUGUST 20, 1929. Class 46.

263,573. FRESH LETTUCE, FRESH CAULIFLOWER. H. Y. MINAMI, doing business as H. Y. Minami & Sons, Guadalupe, Calif.
Filed June 3, 1929. Serial No. 284,989. PUBLISHED AUGUST 27, 1929. Class 46.

263,574. BUTTER. J. T. GORMAN & SON, INC., Cohoes, N. Y.
Filed April 8, 1929. Serial No. 282,034. PUBLISHED AUGUST 20, 1929. Class 46.

263,575. PLAIN AND SELF-RISE FLOUR. BOLLING LYNN ROBERTSON, doing business as Manassas Milling Co., Manassas, Va.
Filed February 16, 1929. Serial No. 279,502. PUBLISHED AUGUST 20, 1929. Class 46.

263,576. CORN, CALLOUS, AND UNION PADS. NATURE-THREAD COMPANY OF ILLINOIS, INC., Chicago, Ill.
Filed May 10, 1929. Serial No. 283,798. PUBLISHED AUGUST 13, 1929. Class 44.

263,577. PERFUMES, PERFUME EXTRACTS, TOILET WATERS, ETC. D'ORSAY PERFUMERIES CORPORATION, New York, N. Y.
Filed April 25, 1929. Serial No. 282,978. PUBLISHED AUGUST 27, 1929. Class 6.

263,578. A HAIR GROWER AND PRESSING OIL. ROSIE E. HILL, New Madrid, Mo.
Filed April 16, 1929. Serial No. 282,508. PUBLISHED AUGUST 27, 1929. Class 6.

263,579. MEDICINAL PREPARATION FOR TREATMENT OF COLDS, LUMBAGO, GRIPPE, SCIATICA, HEADACHE, NEURALGIA, TOOTHACHE, NEURITIS, AND RHEUMATISM. COPPMAN PHARMACAL CO., Cumberland, Md.
Filed April 6, 1929. Serial No. 281,939. PUBLISHED AUGUST 6, 1929. Class 6.

263,580. EFFERVESCENT LIQUID PURGATIVE. MANUEL MARIN & CO., Mayaguez, Porto Rico.
Filed March 23, 1929. Serial No. 281,222. PUBLISHED AUGUST 27, 1929. Class 6.

263,581. SURGICAL SYRINGES, HYPODERMIC NEEDLES, AND STERILIZERS. THE ANTIDOLOR MFG. CO., INC., Springville, N. Y.
Filed April 9, 1929. Serial No. 282,094. PUBLISHED AUGUST 20, 1929. Class 44.

263,582. SURGICAL SYRINGES, HYPODERMIC NEEDLES, AND STERILIZERS. THE ANTIDOLOR MFG. CO., INC., Springville, N. Y.
Filed April 9, 1929. Serial No. 282,092. PUBLISHED AUGUST 20, 1929. Class 44.

263,583. PREPARATIONS FOR ORAL HYGIENE, DENTIFRICES, MOUTH WASHES, DENTAL AND MEDICAL ANTISEPTICS, ANESTHETICS, AND MEDICAMENTS. THE ANTIDOLOR MFG. CO., INC., Springville, N. Y.
Filed April 9, 1929. Serial No. 282,091. PUBLISHED AUGUST 27, 1929. Class 6.

263,584. EFFERVESCENT LIQUID PURGATIVE. MANUEL MARIN & Co., Mayaguez, Porto Rico.
Filed March 23, 1929. Serial No. 281,221. PUBLISHED AUGUST 27, 1929. Class 6.

263,585. OVERALLS. THE DIARY PUBLISHING CORPORATION, New York, N. Y.
Filed January 9, 1929. Serial No. 277,752. PUBLISHED JUNE 25, 1929. Class 39.

263,586. PASTE AND LIQUID WAX. D. A. COULTER, doing business as David Coulter & Company, Pittsburgh, Pa.
Filed March 12, 1929. Serial No. 280,596. PUBLISHED AUGUST 27, 1929. Class 16.

263,587. SELF-RISING FLOUR. CITY MILLS COMPANY, Columbus, Ga.
Filed June 3, 1929. Serial No. 284,934. PUBLISHED AUGUST 20, 1929. Class 46.

263,588. TABLE GAME SUCH AS A TENPIN GAME. BALTHY REICHHOLD, Brooklyn, N. Y.
Filed May 25, 1929. Serial No. 284,628. PUBLISHED AUGUST 27, 1929. Class 22.

263,589. PULL TOYS OF MOTOR VEHICLE DESIGN. GEO. BORGFELDT & Co., New York, N. Y.
Filed May 17, 1929. Serial No. 284,160. PUBLISHED AUGUST 27, 1929. Class 22.

263,590. PREPARED SANDWICHES OF ALL KINDS. EDWIN W. NELSON, Galesburg, Ill.
Filed May 13, 1929. Serial No. 283,964. PUBLISHED AUGUST 20, 1929. Class 46.

263,591. A COVER FOR DRESSES. THE HENRY PAPER CO., INC., New York, N. Y.
Filed April 29, 1929. Serial No. 283,193. PUBLISHED AUGUST 20, 1929. Class 50.

263,592. FRESH OR RAW MILK AND CREAM. AMERICAN ASSOCIATION OF MEDICAL MILK COMMISSIONS, INC., Brooklyn, N. Y.
Filed September 5, 1929. Serial No. 289,633. Class 46.

263,593. SEWING THREADS. MAX POLLACK & Co., INC., New York, N. Y.
Filed July 22, 1929. Serial No. 287,492. PUBLISHED AUGUST 27, 1929. Class 43.

263,594. BLENDED WHEAT AND RYE FLOUR. FEDERAL MILL & ELEVATOR CO., INC., Lockport, N. Y.
Filed July 22, 1929. Serial No. 287,461. PUBLISHED AUGUST 27, 1929. Class 46.

263,595. COFFEE. J. C. PERRY & Co., Indianapolis, Ind.
Filed July 19, 1929. Serial No. 287,362. PUBLISHED AUGUST 27, 1929. Class 46.

263,596. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co., INC., New York, N. Y.
Filed July 18, 1929. Serial No. 287,281. PUBLISHED AUGUST 27, 1929. Class 42.

263,597. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co., INC., New York, N. Y.
Filed July 18, 1929. Serial No. 287,280. PUBLISHED AUGUST 27, 1929. Class 42.

263,598. LAWN MOWERS. WORCESTER LAWN MOWER COMPANY, Worcester, Mass.
Filed July 17, 1929. Serial No. 287,272. PUBLISHED AUGUST 27, 1929. Class 23.

263,599. PLATE GLASS. SEMON BACHE & COMPANY, New York, N. Y.
Filed July 17, 1929. Serial No. 287,264. PUBLISHED AUGUST 27, 1929. Class 33.

263,600. MIRRORS. SEMON BACHE & COMPANY, New York, N. Y.
Filed July 17, 1929. Serial No. 287,263. PUBLISHED AUGUST 27, 1929. Class 32.

263,601. CANDY. DONALD S. SIMISON, doing business as Suniforma Co., San Diego, Calif.
Filed July 16, 1929. Serial No. 287,206. PUBLISHED AUGUST 27, 1929. Class 46.

263,602. FIRECRACKERS. CHAS. R. STAUDINGER, New York, N. Y.
Filed July 15, 1929. Serial No. 287,161. PUBLISHED AUGUST 27, 1929. Class 9.

263,603. FRESH GRAPES. WOODBRIDGE FRUIT GROWERS ASSOCIATION, Woodbridge, Calif.
Filed July 13, 1929. Serial No. 287,099. PUBLISHED AUGUST 27, 1929. Class 46.

263,604. FRESH GRAPES. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif.
Filed July 13, 1929. Serial No. 287,095. PUBLISHED AUGUST 27, 1929. Class 46.

263,605. HAND MIRRORS AND PICTURE FRAMES. DU PONT VISCOLOID COMPANY, New York, N. Y.
Filed July 13, 1929. Serial No. 287,056. PUBLISHED AUGUST 27, 1929. Class 32.

263,606. CANNED FISH. CUSTOM HOUSE PACKING CORPORATION, Monterey, Calif.
Filed July 13, 1929. Serial No. 287,053. PUBLISHED AUGUST 20, 1929. Class 46.

263,607. CANNED FISH. COAST FISHING COMPANY, Wilmington, Calif.
Filed July 13, 1929. Serial No. 287,048. PUBLISHED AUGUST 27, 1929. Class 46.

263,608. FRESH DECIDUOUS FRUITS. C & E FRUIT CO., INC., Medford, Oreg.
Filed July 13, 1929. Serial No. 287,042. PUBLISHED AUGUST 27, 1929. Class 46.

263,609. FRESH DECIDUOUS FRUITS. C & E FRUIT CO., INC., Medford, Oreg.
Filed July 13, 1929. Serial No. 287,041. PUBLISHED AUGUST 27, 1929. Class 46.

263,610. CANNED FRUITS AND CANNED VEGETABLES. THE PUYALLUP & SUMNER FRUIT GROWERS ASSOCIATION, Puyallup, Wash.
Filed July 12, 1929. Serial No. 287,007. PUBLISHED AUGUST 20, 1929. Class 46.

263,611. FRESH VEGETABLES. SANFORD-OVIEDO TRUCK GROWERS, INC., Sanford, Fla.
Filed July 12, 1929. Serial No. 287,014. PUBLISHED AUGUST 20, 1929. Class 46.

263,612. BOXED TOY SETS CONSISTING OF A JUVENILE POLICE-DEPARTMENT OUTFIT. HALE-NASS CORPORATION, New York, N. Y.
Filed May 3, 1929. Serial No. 283,452. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

263,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BROOK HILL FARM, INC., doing business as The Farr Laboratories, Genesee Depot, Wis. Filed Sept. 17, 1929. Serial No. 289,869.

DEHYDRATED ACIDOPHILUS MILK (FARR)

For Medicinal Product for the Treatment of the Intestinal Tract.
Claims use since March, 1927.

263,614. (CLASS 25. LOCKS AND SAFES.) GREENBERG & JOSEFBERG, New York, N. Y. Filed Sept. 4, 1929. Serial No. 289,316.

RUSTPROOF

For Padlocks.
Claims use since July 1, 1928.

263,615. (CLASS 17. TOBACCO PRODUCTS.) CARL HENRY INC., New York, N. Y. Filed Aug. 30, 1929. Serial No. 289,188.

Carl Henry

For Smoking and Chewing Tobacco.
Claims use since July 20, 1928.

263,616. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE STIEFF COMPANY, Baltimore, Md. Filed Aug. 24, 1929. Serial No. 288,993.

NUMSEN

For Toilet Articles, Tableware, Hollow Ware, and Flatware, All Made of Sterling Silver or Solid Gold.
Claims use since 1927.

263,617. (CLASS 2. RECEPTACLES.) GULF STATES PAPER CORPORATION, Tuscaloosa, Ala. Filed Dec. 19, 1928. Serial No. 276,962.

BEATSALL

For Paper Bags.
Claims use since May 1, 1918.

263,618. (CLASS 2. RECEPTACLES.) GULF STATES PAPER CORPORATION, Tuscaloosa, Ala. Filed Dec. 19, 1928. Serial No. 276,961.

TUFF
BUFF

For Paper Bags.
Claims use since June 1, 1910.

263,619. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK J. REICHMANN, Chicago, Ill. Filed Nov. 19, 1928. Serial No. 275,505.

OXFORD

For Radio Receiving Sets, Parts Thereof, and Loud-Speakers.
Claims use since July 1, 1928.

263,620. (CLASS 37. PAPER AND STATIONERY.) UNION CARD & PAPER CO., New York, N. Y. Filed Nov. 15, 1928. Serial No. 275,372.

Market Letter
Vellum

For Writing, Printing, and Mimeographing Paper.
Claims use since Jan. 12, 1926.

263,621. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MARTIN VARNISH COMPANY, Chicago, Ill. Filed Nov. 14, 1928. Serial No. 275,289.

Martin's

For Varnishes.
Claims use since Apr. 15, 1928.

263,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOMATO PRODUCTS COMPANY, Paoli, Ind. Filed Nov. 12, 1928. Serial No. 275,195.

FRENCH LICK

For Food Products Made from Tomatoes, Tomato Juice, and Catsup.
Claims use since November, 1927.

263,623. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SANITARY COMB CLEANER AND STERILIZER CO. INC., Saginaw, Mich. Filed June 21, 1928. Serial No. 268,465.



CLEAN

For Comb-Cleaning Machines.
Claims use since Feb. 18, 1927.

263,624. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ZAKAS BAKERY, Atlanta, Ga. Filed May 19, 1928. Serial No. 266,650.

**BUTTER
BAKT**

For Bread.
Claims use since Mar. 20, 1928.

263,625. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed Apr. 30, 1928. Serial No. 265,711.



For Men's and Boys' Dress and Negligee Shirts, Athletic Shirts, Undershirts Either of Knitted or of Textile Fabric or of Both, Drawers, Sport Drawers, Sport Shirts, Running Pants, Union Suits, Mufflers, Golf Hose, Half Hose, Neckties, Leather Belts, Pajamas, Nightshirts, Arm Bands, Suspenders, and Garters.

Claims use since about March, 1927.

263,626. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. C. B. GENTRY, doing business as C. B. Gentry Chili Powder Co., Los Angeles, Calif. Filed Apr. 27, 1928. Serial No. 265,471.

**GENTRY'S
DEHYDRATED
PIMENTO FLAKES**

For Pimento Flakes.
Claims use since Feb. 1, 1928.

263,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. T. SMITH COMPANY, doing business under the name of Edmonds Coffee Co., Worcester, Mass. Filed June 3, 1929. Serial No. 284,999.

Columbia

For Tea.
Claims use since 1924.

263,628. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) YOUNG SPECIALTY CO., Milwaukee, Wis. Filed June 3, 1929. Serial No. 284,958.

KLEENBURN

For Incinerators.
Claims use since about Nov. 20, 1924.

263,629. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTER G. BRETZFELD, doing business as Walter G. Bretzfeld Co., New York, N. Y. Filed May 31, 1929. Serial No. 284,858.

METALICO

For Cotton Fabric Metallically Coated to be Sold in Yardage Goods Cut in Various Widths to be Made Up into Table Covers, Shelvings, Dollies, Book Covers, Belts, and Draperies.

Claims use since Mar. 7, 1928.

263,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DOWLET NOOR DATES GROWERS ASSOCIATION, Indio, Calif. Filed Jan. 11, 1928. Serial No. 259,945.

CRUMBLEDATES

For Seeded and Ground Dates.
Claims use since Oct. 31, 1927.

263,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES HASLITT SCOTT, doing business as J. H. Scott Company, San Francisco, Calif. Filed Nov. 7, 1927. Serial No. 257,201.

**SCOTT'S
POL-Y-ZOA**

For Poultry and Stock Feed.
Claims use since Aug. 12, 1927.

263,632. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed June 16, 1927. Serial No. 250,619.

GRANITE STATE

For Cotton Duck in the Piece.
Claims use since Dec. 1, 1905.

263,633. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE D'HORLOGERIE CHS. TISSOT & FILS SOCIETE ANONYME, Le Locle, Switzerland. Filed May 10, 1929. Serial No. 283,787.

**TISSOT
LOCLE**

For Watches, Clockworks, Dials, and Watchcases.
Claims use since Feb. 23, 1921.

263,634. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SILENT FURNACE FAN CO., Seattle, Wash. Filed May 1, 1929. Serial No. 283,352.

**SILENT
FURNACE FAN**

For Furnace Fans.
Claims use since Apr. 5, 1927.

263,635. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) TANQUERAY, GORDON & CO. LIMITED, London, England. Filed Apr. 18, 1929. Serial No. 282,622.

GORDON'S

For Gin, Cocktails, Orange Bitters (Alcoholic), Sloe Gin, and Whisky.
Claims use since Dec. 31, 1912.

263,636. (CLASS 15. OILS AND GREASES.) GASH-STULL COMPANY, Chester, Pa. Filed Apr. 17, 1929. Serial No. 282,547.

**Wash Still
Quality Oil**

For Lubricating Oils.
Claims use since Sept. 1, 1928.

263,637. (CLASS 15. OILS AND GREASES.) GASH-STULL COMPANY, Chester, Pa. Filed Apr. 17, 1929. Serial No. 282,546.

Wash Still Quality Oil

For Lubricating Oils.
Claims use since Sept. 1, 1928.

263,638. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CENTRAL MANUFACTURING COMPANY, Denver, Colo. Filed Mar. 23, 1929. Serial No. 281,193.

NIB

For Perfume Atomizers and Sprayers.
Claims use since Nov. 5, 1928.

263,639. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK ADAM ELECTRIC CO., St. Louis, Mo. Filed Mar. 8, 1929. Serial No. 280,427.

FUSLOK

For Electrical Switches of the Type with Interlock Between the Control Handle and Door to Fuse Compartment.

Claims use since May 12, 1928.

263,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa. Filed Feb. 23, 1929. Serial No. 279,815.

AMBERLAC

For Synthetic or Chemically-Prepared Resins.
Claims use since May 21, 1927.

263,641. (CLASS 39. CLOTHING.) KINNEY-COONS CO., INC., Yonkers, N. Y. Filed Jan. 31, 1929. Serial No. 278,703.



For Corsets and Girdles.
Claims use since July 7, 1928.

263,642. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) HORWEEN LEATHER COMPANY, Chicago, Ill. Filed Jan. 18, 1929. Serial No. 278,145.



For Cordovan Leather.
Claims use since Jan. 2, 1920.

263,643. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) THE STIEFF COMPANY, Baltimore, Md. Filed Aug. 24, 1929. Serial No. 288,988.

CLINTON

For Toilet Articles, Tableware, Hollow Ware, and Flatware, All Made of Sterling Silver or Solid Gold.
Claims use since 1912.

263,644. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTH METAL & CHEMICAL CO. INC., York, Pa. Filed Aug. 24, 1929. Serial No. 288,972.



For Nonfreezing, Noncorrosive Fire-Extinguishing Liquid.
Claims use since Mar. 13, 1928.

263,645. (CLASS 48. MALT BEVERAGES, AND LIQUORS.) ROYAL AND ANCIENT COMPANY, LTD., doing business as Sterling Products Company, Boston, Mass. Filed Aug. 23, 1929. Serial No. 288,925.

Sterling

For Cereal Malt Beverages Containing Less Than One-Half of One Per Cent, by Volume, of Alcohol.
Claims use since January, 1925.

263,646. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTOMOBILE ROTARY LIFT COMPANY, Memphis, Tenn. Filed Aug. 22, 1929. Serial No. 288,833.

Rotary Lift

For Vehicle Lifts Operated by Fluid Pressure.
Claims use since Jan. 1, 1926.

263,647. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHARLES J. WEBB & COMPANY, Philadelphia, Pa. Filed Aug. 14, 1929. Serial No. 288,542.

WEBB Slingabout

For Soft Padded Jacket and Sling for Transporting Refrigerators.
Claims use since July 1, 1928.

263,648. (CLASS 45. BEVERAGES, NONALCOHOLIC.) R. E. GONDEZICK, Tomah, Wis. Filed Aug. 9, 1929. Serial No. 288,331.

Naturally Good BEVERAGES

For Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Aug. 1, 1928.

263,649. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOSTON GEAR WORKS INC., Norfolk Downs, Quincy, Mass. Filed Aug. 9, 1929. Serial No. 288,314.

— STANDARDIZATION PAYS —

For Spur Gears, Worm Gears and Worms Therefor, Miter Gears, Spiral Gears, Spiral Miter Gears, Fabroll Gears, Change Gears, Internal Gears, Bevel Gears, Racks and Pinions Therefor, Chain Drives, Sprocket Wheels, Flexible Couplings, Ball Bearings, Bushings, Universal Joints, Oil Cups, Pillow Blocks, Pulleys, Speed Reducers, and Pinion Rods.
Claims use since Jan. 1, 1928.

263,650. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ELLIS CHANNEL SYSTEM INCORPORATED, New York, N. Y. Filed Aug. 6, 1929. Serial No. 288,183.

ELLIS CHANNEL SYSTEM.

For Deck Barges, Covered Barges, Derrick Barges, Pile-Driven Barges, Hold Barges, Tank Barges, Scows, Dredge Hauls, River Boats, Dump Scows, Car Floats, and Parts Thereof.
Claims use since July 1, 1925.

263,651. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Aug. 6, 1929. Serial No. 288,164.

MOTH CONTROL

For Chemical Compositions for Combating Insects.
Claims use since Mar. 1, 1928.

263,652. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Aug. 6, 1929. Serial No. 288,163.

ROACH CONTROL

For Chemical Compositions for Combating Insects.
Claims use since Mar. 1, 1928.

263,653. (CLASS 10. FERTILIZERS.) THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Filed Aug. 5, 1929. Serial No. 288,148.

Makes Things Grow!

For Plant Foods and Fertilizers.
Claims use since April, 1926.

263,654. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ROSEDALE SPRING WATER CO., Milwaukee, Wis. Filed July 27, 1929. Serial No. 287,772.

ROSEDALE

For Spring Waters, Ginger Ale, Soda Water.
Claims use since June 1, 1918.

263,655. (CLASS 2. RECEPTACLES.) SOUTHWESTERN SASH & DOOR CO., INC., Phoenix, Ariz. Filed July 26, 1929. Serial No. 287,723.

Arizona

For Empty Boxes and Crates Made of Wood.
Claims use since Nov. 10, 1927.

263,656. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Iwilei, Territory of Hawaii. Filed July 24, 1929. Serial No. 287,611.

DOLE

For Canned Pineapple.
Claims use since June 15, 1927.

263,657. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed July 23, 1929. Serial No. 287,519.

HOLDFAST

For Traps for Catching Animals.
Claims use since January, 1909.

263,658. (CLASS 39. CLOTHING.) MULLER AND RAAS COMPANY, San Francisco, Calif. Filed July 26, 1929. Serial No. 287,711.

TAHOE

For Hats for Women, Misses, and Children.
Claims use since January, 1928.

263,659. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. A. WALSH, doing business as Malt-Zyme, Long Island City, N. Y. Filed June 27, 1929. Serial No. 286,287.

MALT-ZYME FRUIT FLAVORED

For Fruit-Flavored Castor Oil and Fruit-Flavored Cod-Liver Oil.
Claims use since Sept. 1, 1928.

263,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACKER PRODUCTS COMPANY, Cedar Rapids, Iowa. Filed June 24, 1929. Serial No. 286,072.



For Tankage, Hog Feed, and Pig Meals.
Claims use since Dec. 22, 1925.

263,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS BROS. MILLING CO., San Francisco, Calif. Filed June 10, 1929. Serial No. 285,818.



For Poultry Foods.
Claims use since Apr. 2, 1923.

263,662. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) L. BARTON BROOKOV, New York, N. Y. Filed July 10, 1929. Serial No. 286,855.

L. BARTON BROOKOV

For Jewelry for Personal Wear, Not Including Watches.
Claims use since Sept. 1, 1926.

263,663. (CLASS 2. RECEPTACLES.) GULF STATES PAPER CORPORATION, Tuscaloosa, Ala. Filed July 9, 1929. Serial No. 286,825.

QUALITY COUNTS

For Paper Bags.
Claims use since about July 8, 1906.

263,664. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN A. MULVIHILL, doing business as Ontario Ale Co., Chicago, Ill. Filed July 3, 1929. Serial No. 286,580.

ONTARIO PALE

For Ginger Ale.
Claims use since Sept. 5, 1928.

263,665. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRY P. MAUS, Lima, Ohio. Filed Oct. 9, 1928. Serial No. 278,566.

PICTUR - FONE

For an Electric Pick-Up for Phonographs, Which is a Separate Device to be Attached to Various Types of Ordinary Cabinet Phonographs and Which Reproduces and Amplifies Electrically.

Claims use since January, 1927.

263,666. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FAN FLAME SPARK PLUG CO., INC., Yonkers, N. Y. Filed Oct. 6, 1928. Serial No. 273,457.

GILL

For Spark Plugs.
Claims use since Aug. 15, 1928.

263,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TENNESSEE GROVE COMPANY, INC., Winterhaven, Fla. Filed Sept. 26, 1928. Serial No. 273,029.

MEDORA

For Fresh Citrus Fruits.
Claims use since Sept. 11, 1928.

263,668. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. JOHNS FRUIT CO., INC., Seville, Fla. Filed Sept. 26, 1928. Serial No. 273,022.

ST. JOHNS

For Fresh Citrus Fruits.
Claims use since Sept. 11, 1928.

263,669. (CLASS 39. CLOTHING.) BEAR BRAND Hosiery Co., Chicago, Ill. Filed Sept. 24, 1928. Serial No. 272,854.

EXETER

For Hosiery.
Claims use since Aug. 25, 1928.

263,670. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, Inc., New York, N. Y. Filed Sept. 19, 1928. Serial No. 272,660.

CLARTE

For Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Bandoline, Rouge, Lip Sticks, Dusting Powder, Sachet, Cold Creams, Lotion for the Skin and Hair, Powder and Rouge Compacts, and Vegetal.

Claims use since Sept. 12, 1928.

263,671. (CLASS 39. CLOTHING.) INTERNATIONAL MILLINERY Co., Inc., New York, N. Y. Filed Sept. 12, 1928. Serial No. 272,277.

Sunbury

For Ladies', Misses', and Children's Felt Hats.
Claims use since Aug. 15, 1928.

263,672. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GIBBS & COMPANY, Chicago, Ill. Filed Sept. 11, 1928. Serial No. 272,209.

NIGHT-NETS

For Hair Nets.
Claims use since July 18, 1928.

263,673. (CLASS 12. CONSTRUCTION MATERIALS.) LYON, CONKLIN & Co. Inc., Baltimore, Md. Filed Aug. 28, 1928. Serial No. 271,655.

MEND-A-LEAK

For Roofing Cement and Roofing Compound.
Claims use since Aug. 16, 1928.

263,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. HILLERS AKT.-GES. NAHR- & HEILMITTELWERK, Grafrath, Kreis Solingen, Germany. Filed Aug. 28, 1928. Serial No. 271,651.

Dr. Hillers

For Preparations and Compounds in Form of Drops, Bonbons, or Tablets Containing Ether Oils or Salts; Drops, Bonbons, or Tablets Containing Menthol, Peppermint, or Fruit Essences, Which Have a Refreshing or Stimulating Effect or are Suitable to be Used for Diseases of the Throat or Mouth.

Claims use since July 11, 1923.

263,675. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN STEEL PIPE INC., Irvington, N. J. Filed Aug. 24, 1928. Serial No. 271,468.

Aluminized

For Electric Conduit.
Claims use since June 1, 1928.

263,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN CARLOS CANNING CO., Monterey, Calif. Filed July 13, 1928. Serial No. 269,552.

SAMOA

For Canned Mackerel.
Claims use since May 15, 1928.

263,677. (CLASS 39. CLOTHING.) FRONTLINE MILLINERY IMPORT CO., INC., New York, N. Y. Filed July 7, 1928. Serial No. 269,281.

FEUTRE SUPERIEUR

MODES DE PARIS

For Ladies' Hats of All Kinds.
Claims use since Jan. 4, 1928.

LABELS

REGISTERED NOVEMBER 5, 1929

- 36,573.—*Title:* ANGONOA'S BREAD STICKS. For Bread Sticks. A. ANGONOA, INC., New York, N. Y. Published May 25, 1929.
- 36,574.—*Title:* READY SLICED WHEAT KING. For Bread. BRAUN BROS. & CO., Pittsburgh, Pa. Published August 3, 1929.
- 36,575.—*Title:* GAD CAPS. For Capsules for Colds, Neuralgia, and Headaches. BURNER PRODUCTS, INC., New York, N. Y. Published September 2, 1929.
- 36,576.—*Title:* ROMAN SPEAR. For Potatoes in Their Natural State. JOHN CASTRO, Los Angeles, Calif. Published September 17, 1929.
- 36,577.—*Title:* CO-ED. For Ladies' and Misses' Hosiery. CO-ED KNITTING MILLS, Philadelphia, Pa. Published June 17, 1929.
- 36,578.—*Title:* REICHSWEHR MALT SYRUP. For Barley Malt Extract. CONTINENTAL PURE PRODUCTS CO., New York, N. Y. Published August 15, 1929.
- 36,579.—*Title:* ORBIT. For Fresh Oranges. EXETER CITRUS ASSOCIATION, Exeter, Calif. Published September 17, 1929.
- 36,580.—*Title:* METRO. For Automobile and Furniture Polish. GEORGE FREDKIN, doing business as Metropolitan Polish Co., Los Angeles, Calif. Published September 1, 1929.
- 36,581.—*Title:* GRAHAM FARMS. For Butter. ROBERT C. GRAHAM, doing business as Graham Farms, Washington, Ind. Published February 25, 1929.
- 36,582.—*Title:* ALL YEAR FROCKS. For Wash Dresses for Women. GRETHIER & GRETHIER, INC., Los Angeles, Calif. Published September 30, 1929.
- 36,583.—*Title:* CASCAROL. For a Medicinal Preparation. EDWARD MCEVOY, doing business under the name of Cascarol Laboratories, Brooklyn, N. Y. Published August 15, 1929.
- 36,584.—*Title:* BOWL-O. For Rolled Oats. NORTHERN ILLINOIS CEREAL COMPANY, Lockport, Ill. Published August 30, 1929.
- 36,585.—*Title:* PROBAK RAZOR. For Safety Razors. PROBAK CORPORATION, Jersey City, N. J., and New York, N. Y. Published August 27, 1929.
- 36,586.—*Title:* TABLE KING. For Canned Pineapple. SMART & FINAL CO., Wilmington, Calif. Published September 5, 1929.
- 36,587.—*Title:* KANNA PUPPY FOOD. For Prepared Food of Meat, Oil, Milk and Cereals for Puppies. THE SOUTHWESTERN PACKING CO., INC., Phoenix, Ariz. Published August 14, 1929.
- 36,588.—*Title:* KANNA CAT FOOD. For Prepared Food of Meat, Fish, Milk and Cereals for Cats. THE SOUTHWESTERN PACKING CO., INC., Phoenix, Ariz. Published September 2, 1929.
- 36,589.—*Title:* DRY ESSENCE OF NATURAL SPICES. For Spices. WM. J. STANGE CO., Chicago, Ill. Published September 8, 1929.
- 36,590.—*Title:* SUN-MAID FIGS. For Canned Figs. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Published September 9, 1929.
- 36,591.—*Title:* VEGETIZED. For Macaroni. VEGETABLE PRODUCTS CORPORATION, Los Angeles, Calif. Published February 9, 1929.
- 36,592.—*Title:* VITA DRY. For Ginger Ale. VITA DRY, INC., Cleveland, Ohio. Published July 9, 1929.
- 36,593.—*Title:* VITALITY. For Honey-Fruit Cereal. VITALITY FOOD PRODUCTS CORP., West Orange, N. J. Published August 2, 1929.
- 36,594.—*Title:* TRAVELAID. For Toilet-Seat Covers. THE ZETEX CORPORATION, Seattle, Wash. Published July 20, 1928.
- 36,595.—*Title:* ZINSMASER'S SLICED LOAF. For Bread. M. ZINSMASER, Des Moines, Iowa. Published June 15, 1929.

PRINTS

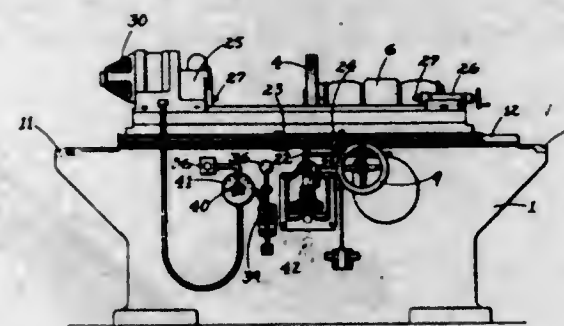
REGISTERED NOVEMBER 5, 1929

- 12,167.—*Title:* MAP OF BALKEIT RADIO WORLD. For Radios. BALKEIT RADIO COMPANY, North Chicago, Ill. Published September 25, 1929.
- 12,168.—*Title:* DISTANCE. For Radios. BALKEIT RADIO COMPANY, North Chicago, Ill. Published September 4, 1929.
- 12,169.—*Title:* NEW AND UNIFORM RADIO REACH. For Radios. BALKEIT RADIO COMPANY, North Chicago, Ill. Published September 11, 1929.
- 12,170.—*Title:* ADVENTURE. For Radios. BALKEIT RADIO COMPANY, North Chicago, Ill. Published September 18, 1929.
- 12,171.—*Title:* YOU TOO WILL LIKE CROSMAN SEEDS. For Seeds. CROSMAN SEED CO., INC., East Rochester, N. Y. Published December 1, 1928.
- 12,172.—*Title:* LA TOURAINE. For Cheese Wafers. LA TOURAINE CO. INC., New York, N. Y. Published October 1, 1929.
- 12,173.—*Title:* MUNSINGWEAR FOR YOUR HEALTH, GENTLEMEN! For Underwear. MUNSINGWEAR CORPORATION, Chicago, Ill. Published September 16, 1929.
- 12,174.—*Title:* PETROLEUM PRODUCTS. For Petroleum Products. PARAMOUNT PETROLEUM COMPANY, Kansas City, Mo. Published August 20, 1929.
- 12,175.—*Title:* TIP TOP BREAD. For Bread. WARD BAKING COMPANY, New York, N. Y. Published September 18, 1929.

REISSUES

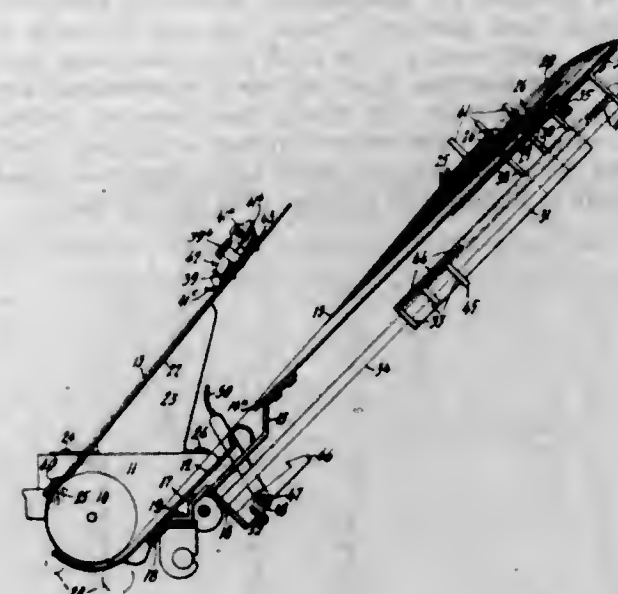
NOVEMBER 5, 1929

- 17,477. GRINDING MACHINE. JAMES N. HEALD, Worcester, and ALBERT TURNER, Shrewsbury, Mass., assignors to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 7, 1927. Serial No. 166,576. Original No. 1,583,351, dated May 4, 1926. Serial No. 574,940, filed July 14, 1922. 12 Claims. (Cl. 51—233.)



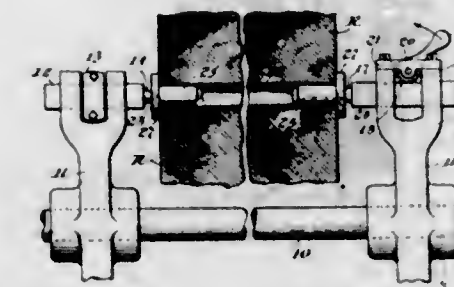
1. In a grinding machine, the combination with a table for supporting the work, of means operable by fluid pressure for reciprocating said table, an electric motor carried by said table for rotating the work, and a common control device for said motor and the fluid pressure supply.

- 17,478. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Hillsdale, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 10, 1928. Serial No. 298,749. Original application filed July 9, 1925. Serial No. 42,382. Continuation of application filed June 17, 1925. Serial No. 37,600. Original No. 1,679,952, dated Aug. 7, 1928. 61 Claims. (Cl. 197—126.)



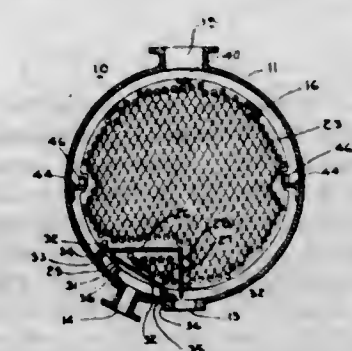
1. A multiple-ply web-manipulating typewriter machine, including, in combination, a platen, types and a multiplicity of strippers individual to superposed carbons, said strippers movable serially to strip the carbons one by one, between the work-sheets and relatively thereto.

- 17,479. CENTERING CHUCK FOR WEB ROLLS. IRVING I. STONE, Chicago, Ill. Filed Apr. 23, 1927. Serial No. 186,131. Original No. 1,605,997, dated Nov. 9, 1926. Serial No. 16,803, filed Mar. 19, 1925. 5 Claims. (Cl. 242—68.)



3. A supporting means for a web roll comprising a pair of chucks each having a cylindrical shank of substantial length adapted to be fitted into the end of the spool on which the web roll is wound, each having a flange at the end engaging the end of the web roll, and each being provided with a central depression on the outer end for receiving a supporting center on which the two chucks can be rotated with the web roll in the unwinding thereof.

- 17,480. HEAT EXCHANGER. JOHN P. RATHBUN, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1929. Serial No. 356,285. Original No. 1,708,031, dated Apr. 9, 1929. Serial No. 229,447, filed Oct. 28, 1927. 15 Claims. (Cl. 257—43.)

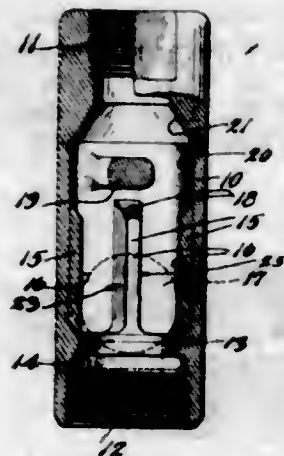


1. The combination with a heat exchanger comprising a shell having an inlet, and a nest of tubes within the shell, of a baffle extending within the nest of tubes, and means providing a liquid seal between the baffle and the shell.

- 17,481. VALVE CASE AND THE METHOD OF PRODUCING THE SAME. WALTER A. O'BANNON, Tulsa, Okla., assignor to Walter O'Bannon Co., Tulsa, Okla. Filed July 6, 1929. Serial No. 376,417. Original application filed May 18, 1927. Serial No. 192,870, Patent No. 1,714,434, dated May 21, 1929. Divided and application filed May 3, 1928. Serial No. 274,857. Original No. 1,714,398, dated May 21, 1929. 4 Claims. (Cl. 251—121.)

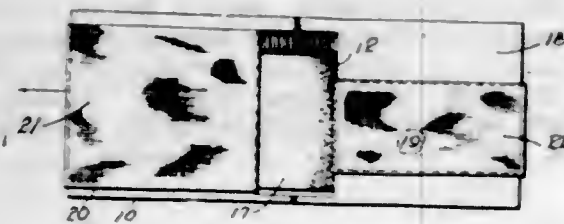
1. A well pump fitting comprising a tubular valve casing having at one end a valve seat, a valve member co-

acting with said seat, guide ribs extending longitudinally of said casing and terminating intermediate the length of the fitting, and stop means for limiting the movement of



the valve member away from its seat, said stop means being disposed adjacent the ends of the guide ribs at a point spaced therefrom less than the diameter of said valve member.

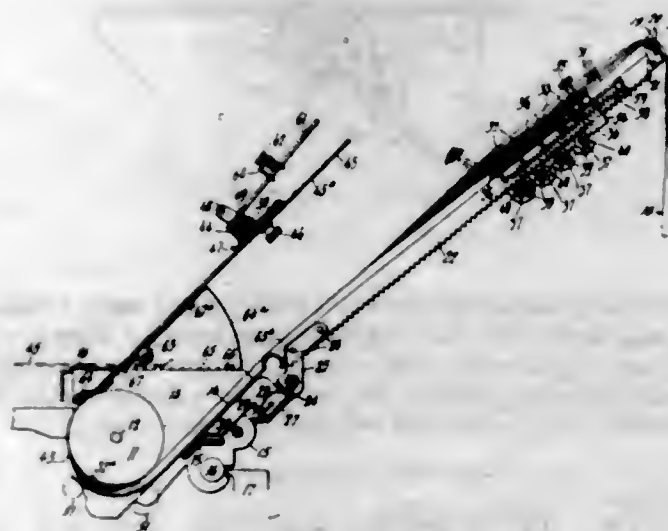
17,482. WORK-ENGAGING SUPPORT FOR SURFACE-TREATING MACHINES. ALEX. A. CLARK, Chicago, Ill. Filed Jan. 29, 1923. Serial No. 615,749. Original No. 1,366,633, dated Jan. 25, 1921, Serial No. 351,156, filed Jan. 13, 1920. 3 Claims. (Cl. 51-170.)



2. In a machine of the character described, a base having a substantially flat advanced portion and a trailing portion, said base having a transverse opening between said portions, said advanced portion extending for substantially the entire length of the transverse opening, a frame arranged upon and carried by the base, a rotatable surface treating element carried by the frame and projecting into the transverse opening and extending down-

wardly beyond the opening, said advanced portion having two extensions extending rearwardly on both sides of said rotatable surface-treating element to near the center line thereof, means to drive the rotatable surface treating element, and a shoe carried by and depending from the trailing portion, said shoe having its longitudinal edges disposed inwardly for substantial distances from the ends of the rotatable surface treating element so that either longitudinal edge may be conveniently retained out of engagement with the untreated portion of the surface.

17,483. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 9, 1928. Serial No. 298,587. Original No. 1,679,951, dated Aug. 7, 1928, Serial No. 40,741, filed July 1, 1925. 33 Claims. (Cl. 197-126.)

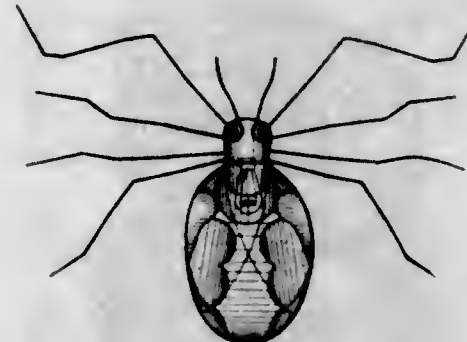


27. In a front-strike typewriting machine, the combination with a platen and a letter-feeding platen-carriage, of means for effecting relative stripping movement between work-piles and a carbon while the plies and carbon are retained in the machine, including parallel tracks fixed upon said carriage and extending upwardly and rearwardly from the platen, a compact sheet-carrier in the form of a truck mounted for up-and-down movement upon said tracks, racks fixed upon said tracks, one rack for each of said tracks, said truck in the form of a cross-beam provided with end bearings that run upon said tracks, and a shaft upon said truck and having fixed thereon pinions meshing with said racks and traveling with said truck, one pinion for each rack, the truck being dependent upon said pinions to maintain it parallel with the platen.

DESIGNS

NOVEMBER 5, 1929

79,781. LAMP. ANNA ALOISI, Brooklyn, N. Y. Filed July 24, 1929. Serial No. 32,194. Term of patent 7 years.



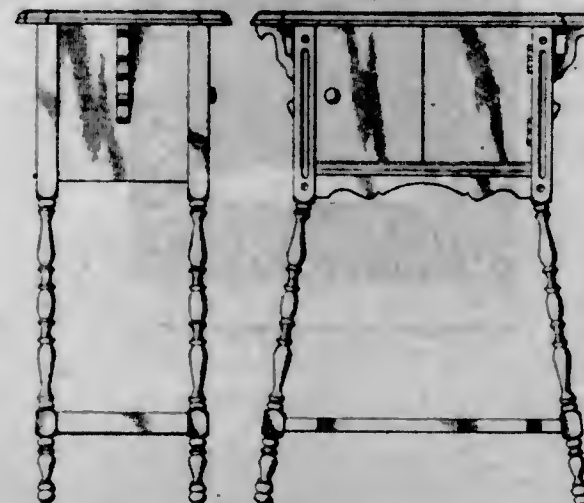
The ornamental design for a lamp as shown.

79,782. BUCKLE. PEARL F. ASHTON, Providence, R. I., assignor to Ernest E. Weller, Providence, R. I. Filed Sept. 3, 1929. Serial No. 32,659. Term of patent 3 1/2 years.



The ornamental design for a buckle, substantially as shown.

79,783. COMBINED SMOKING STAND AND HUMIDOR. WILLIAM W. BITTEL, Streator, Ill. Filed Aug. 23, 1929. Serial No. 32,525. Term of patent 7 years.



The ornamental design for a combined smoking stand and humidor, as shown.

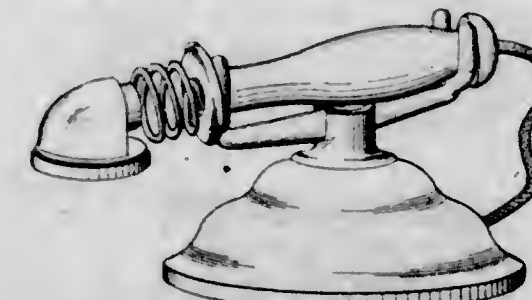
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79,784. SIGN HOLDER. WALTER C. BOCK, Norwood, Ohio. Filed Nov. 27, 1928. Serial No. 29,044. Term of patent 7 years.



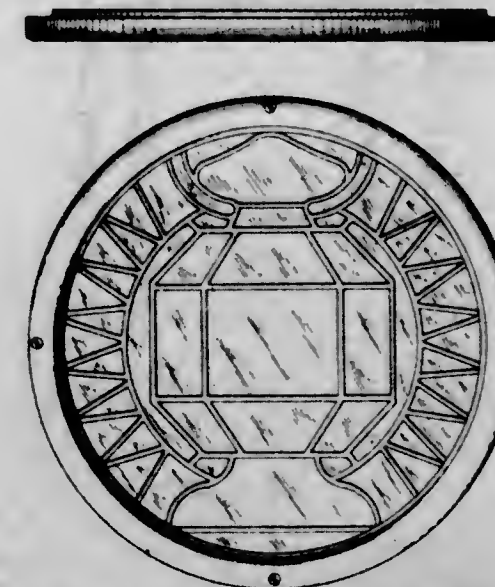
The ornamental design for a sign holder as shown.

79,785. CIGAR LIGHTER. ERNEST E. BOSCA, Pasadena, Calif. Filed July 18, 1928. Serial No. 27,519. Term of patent 7 years.



The ornamental design for a cigar lighter, as shown.

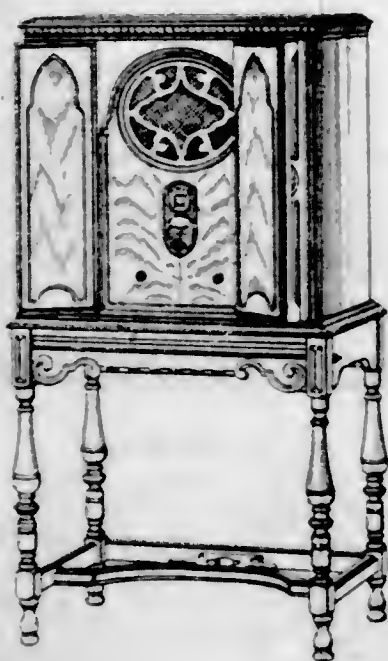
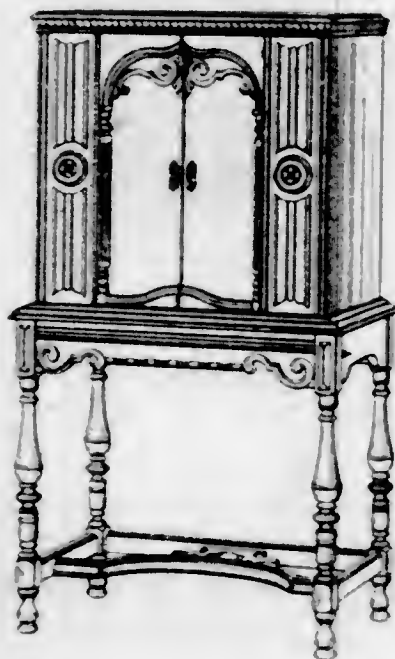
79,786. REFLECTING SIGN. THOMAS W. BROWN, Washington, D. C. Filed Feb. 14, 1929. Serial No. 30,067. Term of patent 8 1/2 years.



The ornamental design for a reflecting sign, as shown.

65

79,787. RADIOCABINET. FRANK C. BURTON, Chicago, Ill. Filed Aug. 12, 1929. Serial No. 32,387. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a radiocabinet as shown.

79,788. SIGN CHARACTER. GEORGE PRENTICE CHILDERS, San Francisco, Calif. Filed Feb. 27, 1928. Serial No. 25,598. Term of patent $3\frac{1}{2}$ years.



The ornamental design for sign character, substantially as shown.

79,789. MEMORANDUM SLATE. HORATIO G. CRESS, Troy, Ohio. Filed Nov. 14, 1928. Serial No. 28,876. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a memorandum slate, as shown.

79,790. OILCLOTH. HENRY W. DIECK, Brooklyn, N. Y., assignor to The Standard Textile Products Company, New York, N. Y., a Corporation of Ohio. Filed Oct. 19, 1928. Serial No. 28,562. Term of patent $3\frac{1}{2}$ years.



The ornamental design for oilcloth, as shown.

79,791. OILCLOTH. HENRY W. DIECK, Brooklyn, N. Y., assignor to The Standard Textile Products Company, New York, N. Y., a Corporation of Ohio. Filed Oct. 19, 1928. Serial No. 28,564. Term of patent $3\frac{1}{2}$ years.



The ornamental design for oilcloth, as shown and described.

79,792. FONT OF TYPE. AUGUST DIETZ, Richmond, Va., assignor to Barnhart Brothers & Spindler, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 12, 1927. Serial No. 24,089. Term of patent 7 years.

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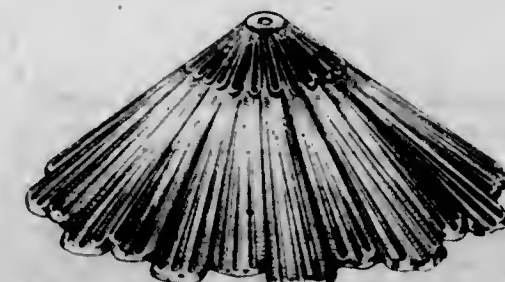
The ornamental design for a font of type, as shown.

79,793. SMOKING STAND. EDWARD E. EKVALL, Elgin, Ill., assignor to The W. H. Howell Company, Geneva, Ill., a Corporation of Illinois. Filed Aug. 21, 1929. Serial No. 32,480. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a smoking stand, as shown.

79,794. BASE FOR SMOKING STANDS. EDWARD E. EKVALL, Elgin, Ill., assignor to The W. H. Howell Company, Geneva, Ill., a Corporation of Illinois. Filed Aug. 21, 1929. Serial No. 32,481. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a base for smoking stands, as shown.

79,795. BUCKLE. JOHN B. FRETSINGER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed July 13, 1929. Serial No. 32,038. Term of patent $3\frac{1}{2}$ years.



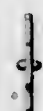
The ornamental design for a buckle, as shown.

79,796. BUCKLE. JOHN B. FREYSINGER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed July 16, 1929. Serial No. 32,067. Term of patent $3\frac{1}{4}$ years.



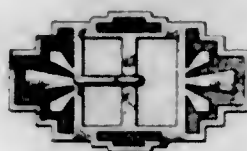
The ornamental design for a buckle, as shown.

79,797. BUCKLE. JOHN B. FREYSINGER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed July 26, 1929. Serial No. 32,218. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a buckle, as shown.

79,798. BUCKLE. JOHN B. FREYSINGER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed July 19, 1929. Serial No. 32,122. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a buckle, as shown.

79,799. BUCKLE. JOHN B. FREYSINGER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed July 28, 1929. Serial No. 32,173. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a buckle, as shown.

79,800. DOLL. HARRY LEE GIBSON, Port Washington, Wis., assignor to Eckhart Company, Port Washington, Wis., a Corporation of Wisconsin. Filed July 30, 1928. Serial No. 27,625. Term of patent $3\frac{1}{4}$ years.



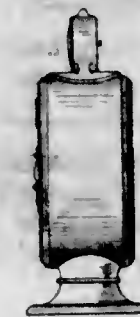
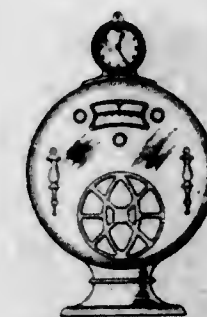
The ornamental design for a doll as shown.

79,801. CABINET. LIONEL L. GINSBURG, Saginaw, Mich., assignor to Saginaw Furniture Shops, Saginaw, Mich., a Corporation of Michigan. Filed Apr. 13, 1929. Serial No. 30,885. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a cabinet, as shown.

79,802. COMBINED RADIOCABINET AND CLOCK. EMIL GRANBERG, St. Louis, Mo. Filed July 25, 1929. Serial No. 32,205. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a combined radiocabinet and clock, as shown.

79,803. BODY FOR LAMPS OR ANALOGOUS ARTICLES. JULIUS GROSSMAN, New York, N. Y., assignor to Eagle Lites, Inc., a Corporation of New York. Filed Aug. 3, 1929. Serial No. 32,288. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a body for lamps or analogous articles substantially as shown.

79,804. BODY FOR LAMPS OR ANALOGOUS ARTICLES. JULIUS GROSSMAN, New York, N. Y., assignor to Eagle Lites, Inc., a Corporation of New York. Filed Aug. 3, 1929. Serial No. 32,289. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a body for lamps or analogous articles substantially as shown.

79,805. BODY FOR LAMPS OR ANALOGOUS ARTICLES. JULIUS GROSSMAN, New York, N. Y., assignor to Eagle Lites, Inc., a Corporation of New York. Filed Aug. 3, 1929. Serial No. 32,290. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a body for lamps or analogous articles substantially as shown.

79,806. BODY FOR LAMPS OR ANALOGOUS ARTICLES. JULIUS GROSSMAN, New York, N. Y., assignor to Eagle Lites, Inc., a Corporation of New York. Filed Aug. 3, 1929. Serial No. 32,291. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a body for lamps or analogous articles substantially as shown.

79,807. BODY FOR LAMPS OR ANALOGOUS ARTICLES. JULIUS GROSSMAN, New York, N. Y., assignor to Eagle Lites, Inc., a Corporation of New York. Filed Aug. 3, 1929. Serial No. 32,292. Term of patent $3\frac{1}{2}$ years.



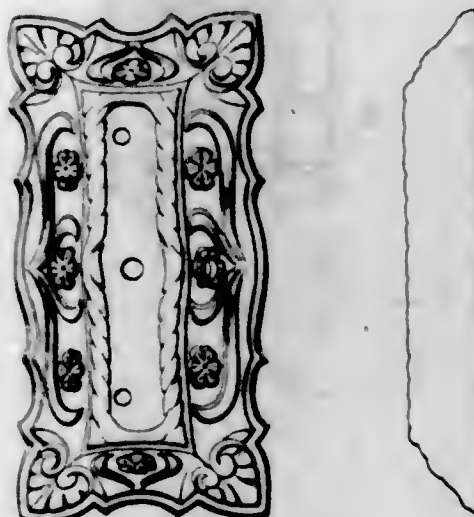
The ornamental design for a body for lamps or analogous articles substantially as shown.

79,808. BODY FOR LAMPS OR ANALOGOUS ARTICLES. JULIUS GROSSMAN, New York, N. Y., assignor to Eagle Lites, Inc., a Corporation of New York. Filed Aug. 3, 1929. Serial No. 32,293. Term of patent $3\frac{1}{2}$ years.



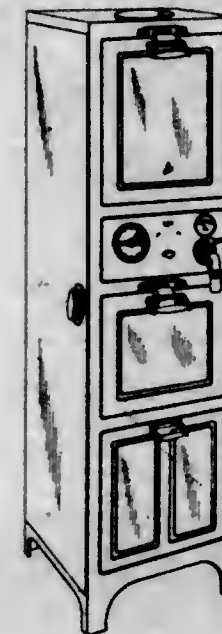
The ornamental design for a body for lamps or analogous articles substantially as shown.

79,809. BASE FOR LAMPS OR ANALOGOUS ARTICLES. JULIUS GROSSMAN, New York, N. Y., assignor to Eagle Lites, Inc., a Corporation of New York. Filed Aug. 3, 1929. Serial No. 32,294. Term of patent $3\frac{1}{2}$ years.



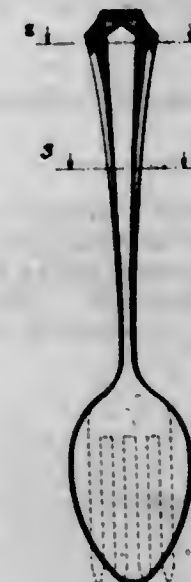
The ornamental design for a base for lamps or analogous articles substantially as shown.

79,810. STOVE. HUGO HELLER, Cedar Grove, Wis. Filed Dec. 30, 1927. Serial No. 24,697. Term of patent 14 years.



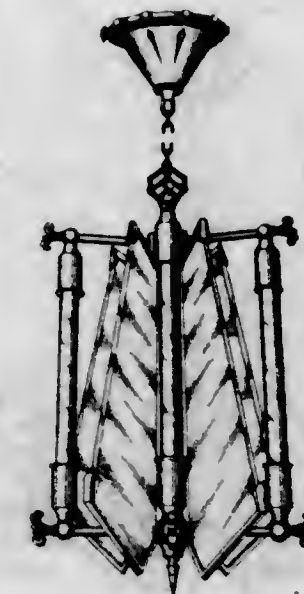
The ornamental design for a stove as shown.

79,811. SPOON OR SIMILAR ARTICLE. HENRIK HILLBOM, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Mar. 28, 1929. Serial No. 30,645. Term of patent 7 years.



The ornamental design for a spoon or similar article substantially as shown and described.

79,812. CHANDELIER OR SIMILAR ARTICLE. GEORGE HOCH, New York, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 17, 1929. Serial No. 32,438. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a chandelier, or similar article, as shown.

79,813. ELECTRIC WALL BRACKET OR SIMILAR ARTICLE. GEORGE HOCH, New York, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 17, 1929. Serial No. 32,439. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an electric wall bracket, or similar article, as shown.

79,814. CHANDELIER OR SIMILAR ARTICLE. GEORGE HOCH, New York, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 23, 1929. Serial No. 32,523. Term of patent 3½ years.



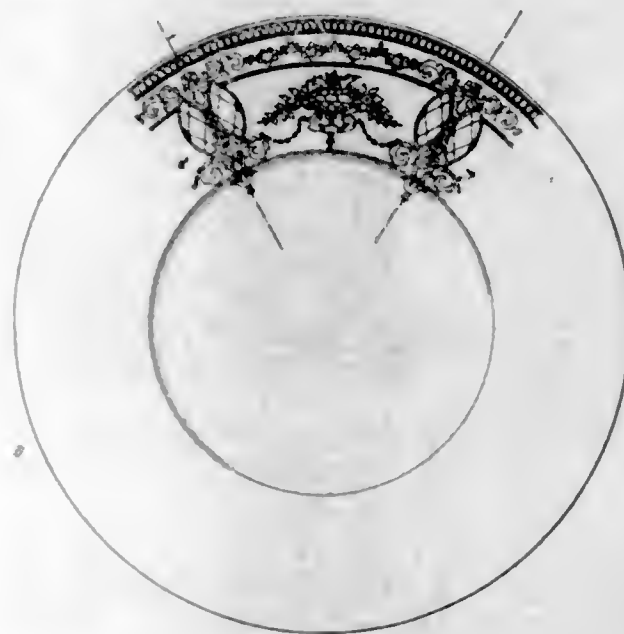
The ornamental design for a chandelier, or similar article, as shown.

79,815. ELECTRIC WALL BRACKET OR SIMILAR ARTICLE. GEORGE HOCH, New York, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 23, 1929. Serial No. 32,524. Term of patent 3½ years.



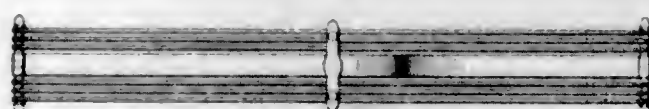
The ornamental design for an electric wall bracket, or similar article, as shown.

79,816. PLATE OR SIMILAR ARTICLE. FRANK GRAHAM HOLMES, Trenton, N. J., assignor to Lenox, Inc., Trenton, N. J., a Corporation of New Jersey. Filed Sept. 5, 1929. Serial No. 32,673. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown and described.

79,817. AUTOMOBILE BUMPER. HERBERT S. JANDUS, Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed Mar. 17, 1924. Serial No. 8,968. Term of patent 14 years.



The ornamental design for an automobile bumper, as shown.

79,818. VEHICLE BUMPER. HERBERT S. JANDUS and CHARLES E. RASMUSSEN, Detroit, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed May 19, 1927. Serial No. 22,050. Term of patent 14 years.



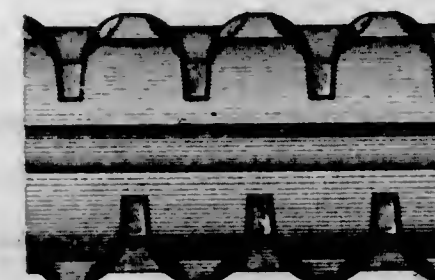
The ornamental design for a vehicle bumper, as shown.

79,819. VEHICLE BUMPER. HERBERT S. JANDUS and CHARLES E. RASMUSSEN, Detroit, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed May 19, 1927. Serial No. 22,052. Term of patent 14 years.



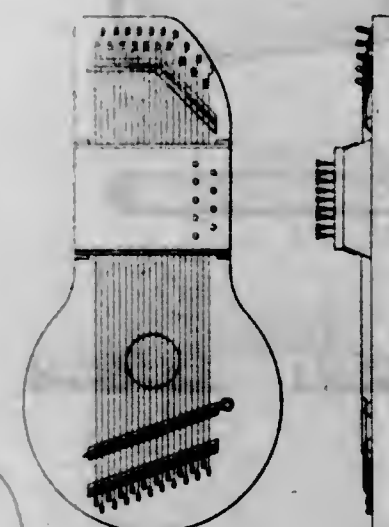
The ornamental design for a vehicle bumper, as shown.

79,820. AUTOMOBILE TIRE. AARON E. JENNINGS, Central City, Ky. Filed Apr. 15, 1929. Serial No. 30,912. Term of patent 7 years.



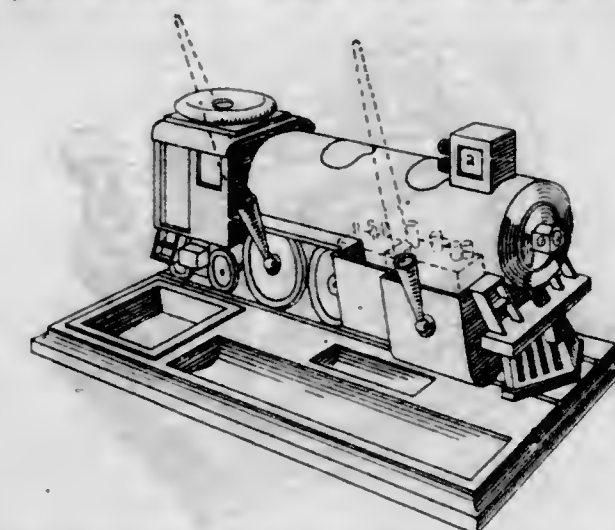
The ornamental design for an automobile tire as shown and described.

79,821. ZITHER OR SIMILAR ARTICLE. JOHN H. LARGE, Caldwell, N. J., assignor to International Musical Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Apr. 23, 1928. Serial No. 26,432. Term of patent 14 years.



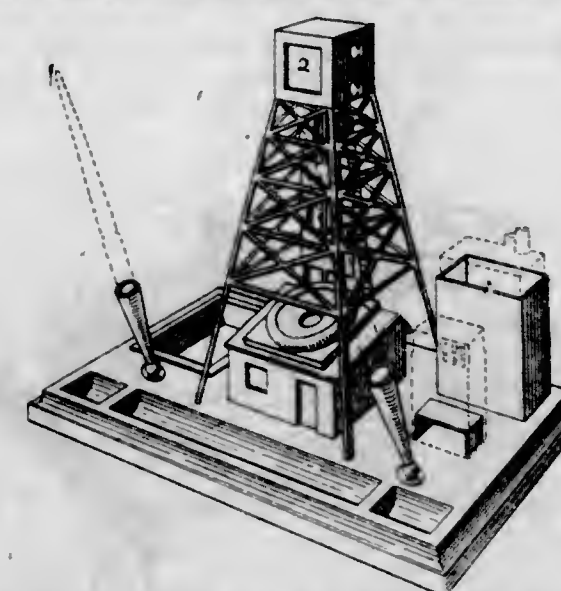
The ornamental design for a zither or similar article, as shown.

79,822. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,601. Term of patent 14 years.



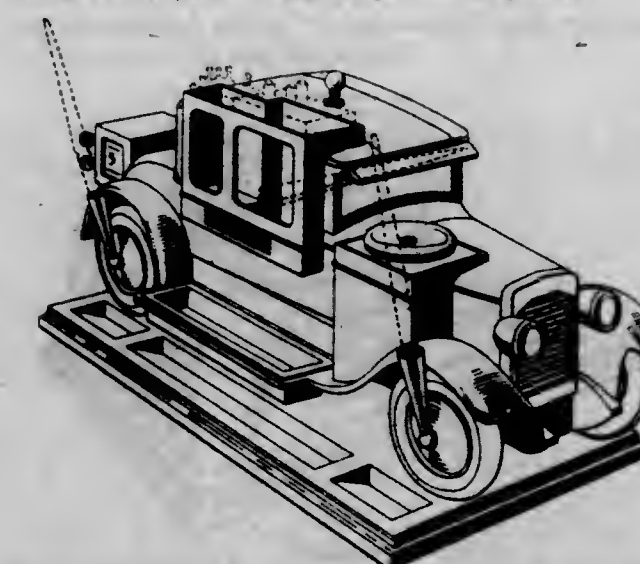
The ornamental design for a combined writing and smoking stand, as shown.

79,823. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,602. Term of patent 14 years.



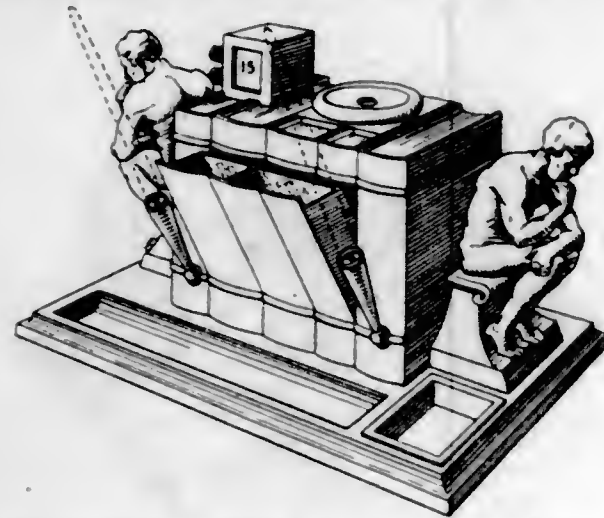
The ornamental design for a combined writing and smoking stand, as shown.

79,824. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,603. Term of patent 14 years.



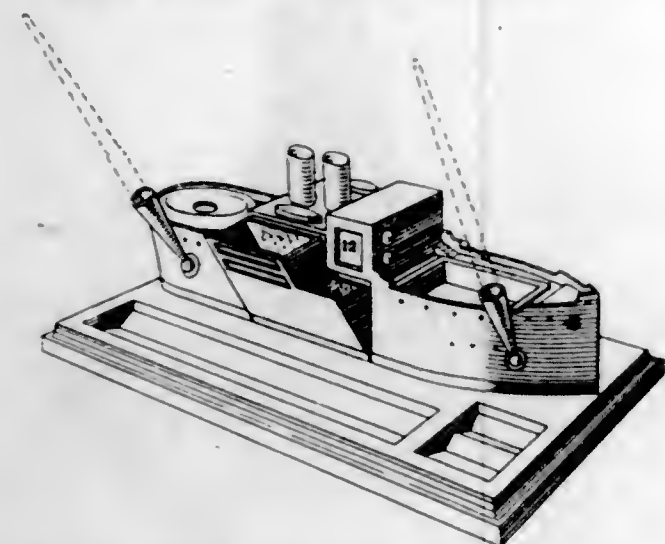
The ornamental design for a combined writing and smoking stand, as shown.

79,825. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,604. Term of patent 14 years.



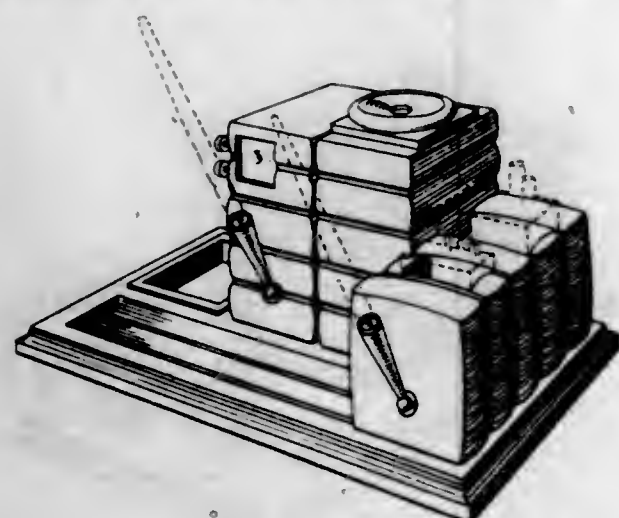
The ornamental design for a combined writing and smoking stand, as shown.

79,826. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,605. Term of patent 14 years.



The ornamental design for a combined writing and smoking stand, as shown.

79,827. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,608. Term of patent 14 years.



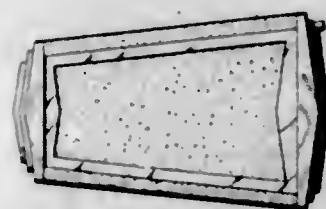
The ornamental design for a combined writing and smoking stand, as shown.

79,828. PYRAMID CLOCK CASE. PAUL LUX and FREDERICK LUX, Waterbury, Conn., assignors to Lux Clock Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 27, 1929. Serial No. 31,853. Term of patent 7 years.



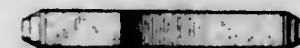
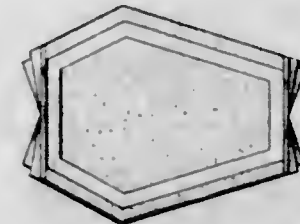
The ornamental design for a pyramid clock case as shown.

79,829. VANITY CASE. MORTIMER C. LYDDANE, Yonkers, N. Y., assignor to David H. Zell, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,071. Term of patent 14 years.



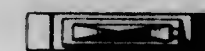
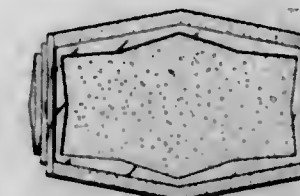
The ornamental design for a vanity case, as shown and described.

79,830. VANITY CASE. MORTIMER C. LYDDANE, Yonkers, N. Y., assignor to David H. Zell, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,072. Term of patent 7 years.



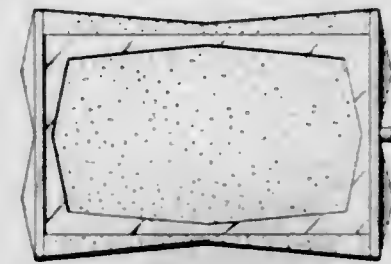
The ornamental design for a vanity case, as shown and described.

79,831. VANITY CASE. MORTIMER C. LYDDANE, Yonkers, N. Y., assignor to David H. Zell, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,073. Term of patent 7 years.



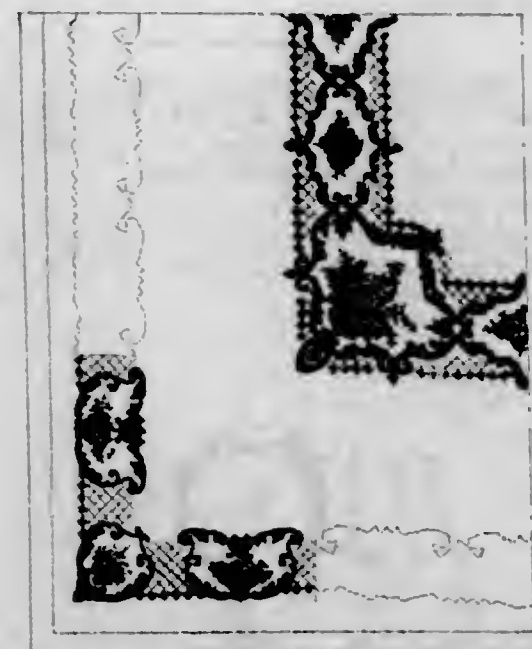
The ornamental design for a vanity case, as shown and described.

79,832. VANITY CASE. MORTIMER C. LYDDANE, Yonkers, N. Y., assignor to David H. Zell, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,074. Term of patent 7 years.



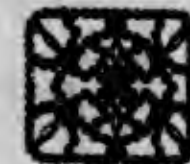
The ornamental design for a vanity case, as shown and described.

79,833. EMBROIDERED TABLE COVER OR THE LIKE. SALIM N. MALLOUK, Brooklyn, N. Y. Filed June 6, 1929. Serial No. 31,566. Term of patent 7 years.



The ornamental design for an embroidered table cover or the like as shown and described.

79,834. SHOE BUCKLE OR SIMILAR ARTICLE. MORRIS MANN, Brooklyn, N. Y. Filed Aug. 22, 1929. Serial No. 32,509. Term of patent 3 1/2 years.



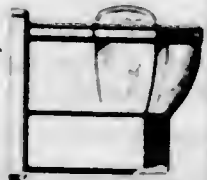
The ornamental design for a shoe buckle or similar article as shown.

79,835. SHOE BUCKLE OR SIMILAR ARTICLE. MORRIS MANN, Brooklyn, N. Y. Filed Aug. 22, 1929. Serial No. 32,510. Term of patent $3\frac{1}{2}$ years.



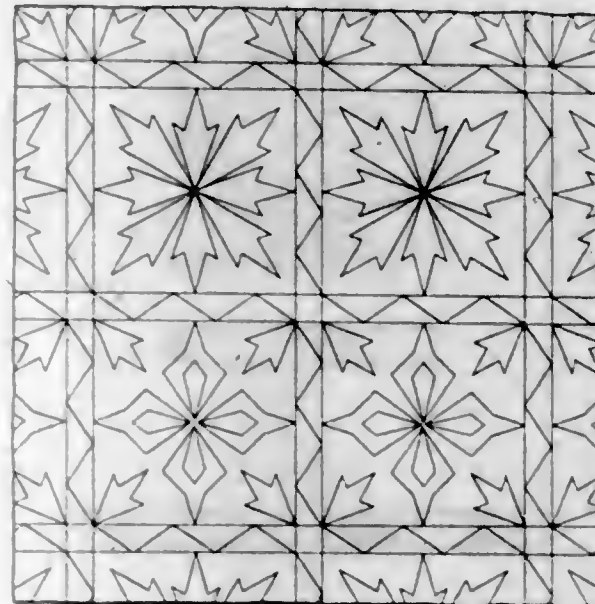
The ornamental design for a shoe buckle or similar article as shown.

79,836. DRINKING FOUNTAIN. JOSEPH R. MAYHEW, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a Corporation of Illinois. Filed Aug. 28, 1929. Serial No. 32,566. Term of patent 7 years.



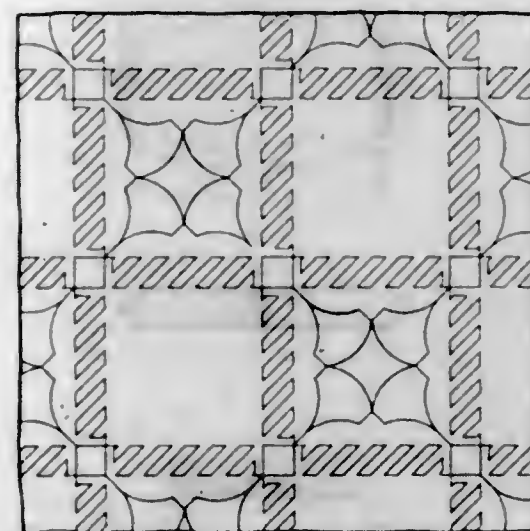
The ornamental design for a drinking fountain substantially as shown.

79,837. TEXTILE FABRIC OR SIMILAR ARTICLE. CHRISTIAN MUENTENER, Bogota, N. J. Filed July 26, 1929. Serial No. 32,211. Term of patent $3\frac{1}{2}$ years.



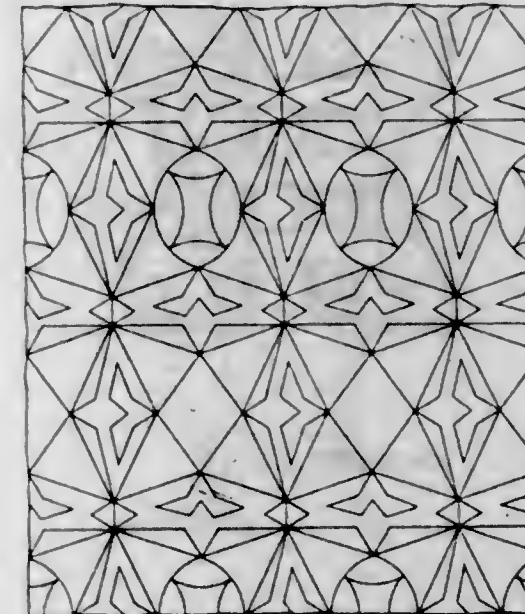
The ornamental design for a textile fabric or similar article, as shown.

79,838. TEXTILE FABRIC OR SIMILAR ARTICLE. CHRISTIAN MUENTENER, Bogota, N. J. Filed July 26, 1929. Serial No. 32,212. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric or similar article, as shown.

79,839. TEXTILE FABRIC OR SIMILAR ARTICLE. CHRISTIAN MUENTENER, Bogota, N. J. Filed July 26, 1929. Serial No. 32,213. Term of patent $3\frac{1}{2}$ years.



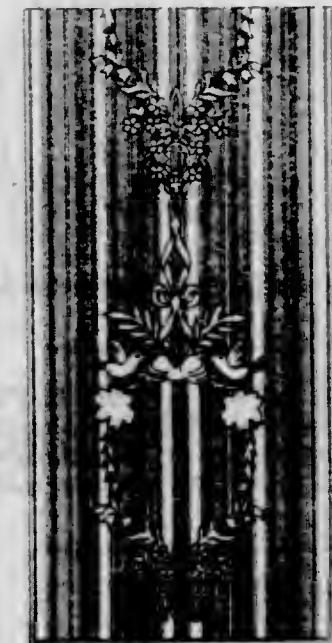
The ornamental design for a textile fabric or similar article, as shown.

79,840. APRON. JOHN R. NEELANDS, Los Angeles, Calif. Filed July 5, 1929. Serial No. 31,948. Term of patent $3\frac{1}{2}$ years.



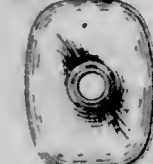
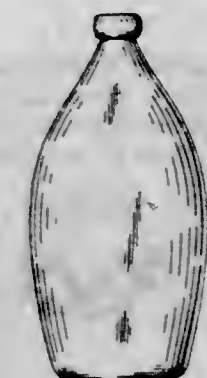
The ornamental design for an apron as shown.

79,841. TEXTILE FABRIC. JAMES F. NEWTON, Philadelphia, Pa., assignor to Primrose Tapestry Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 3, 1927. Serial No. 23,984. Term of patent 7 years.



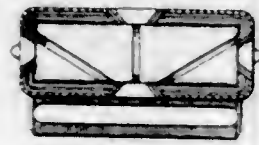
The ornamental design for a textile fabric, as shown and described.

79,842. BOTTLE. WILLIAM REGINALD NICHOLSON, Pangbourne, England. Filed June 6, 1929. Serial No. 31,570, and in Great Britain Feb. 15, 1929. Term of patent 14 years.



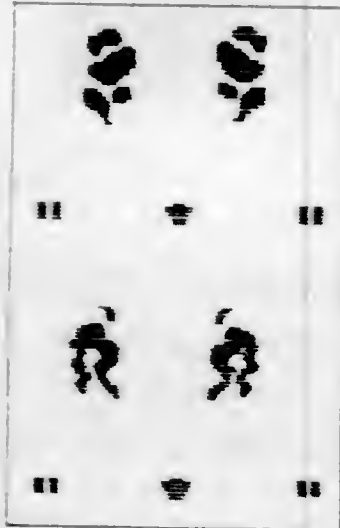
The ornamental design for a bottle as shown.

79,843. SUSPENDER BUCKLE. WILLARD A. ORMSBEE, Taunton, Mass. Filed Dec. 27, 1928. Serial No. 29,420. Term of patent $3\frac{1}{2}$ years.



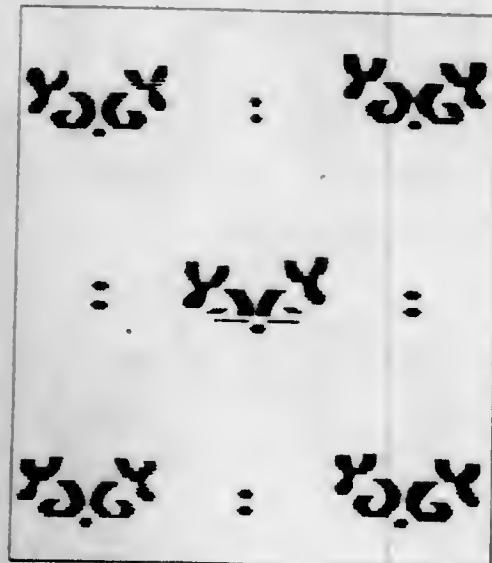
The ornamental design for a suspender buckle, substantially as shown.

79,844. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed May 16, 1929. Serial No. 31,251. Term of patent $3\frac{1}{2}$ years.



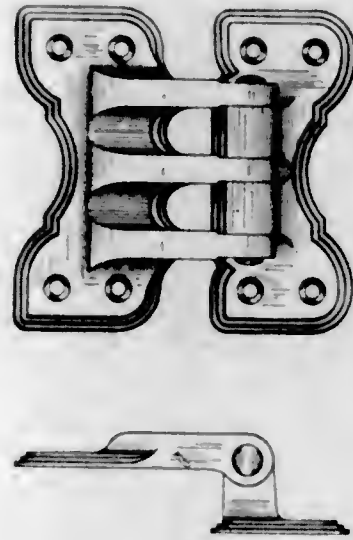
The ornamental design for a textile fabric as shown and described.

79,845. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed May 18, 1929. Serial No. 31,290. Term of patent $3\frac{1}{2}$ years.



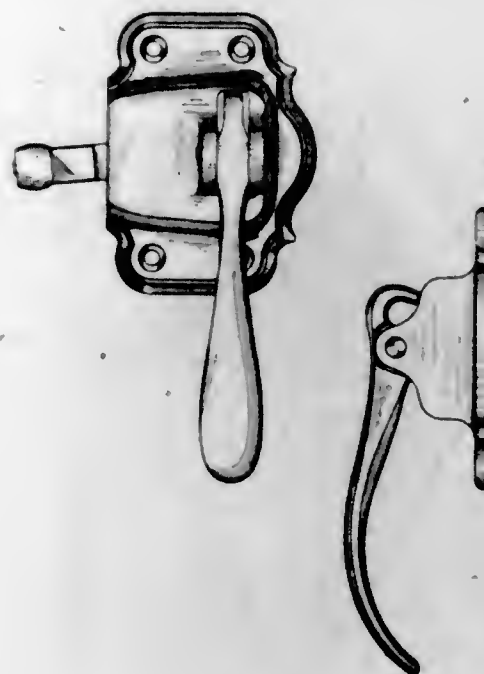
The ornamental design for a textile fabric as shown and described.

79,846. HINGE. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 9, 1929. Serial No. 32,358. Term of patent $3\frac{1}{2}$ years.



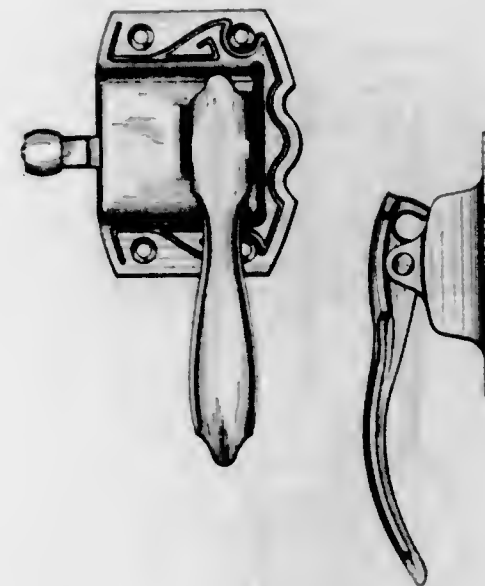
The ornamental design for a hinge substantially as shown.

79,847. LATCH. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 9, 1929. Serial No. 32,362. Term of patent $3\frac{1}{2}$ years.



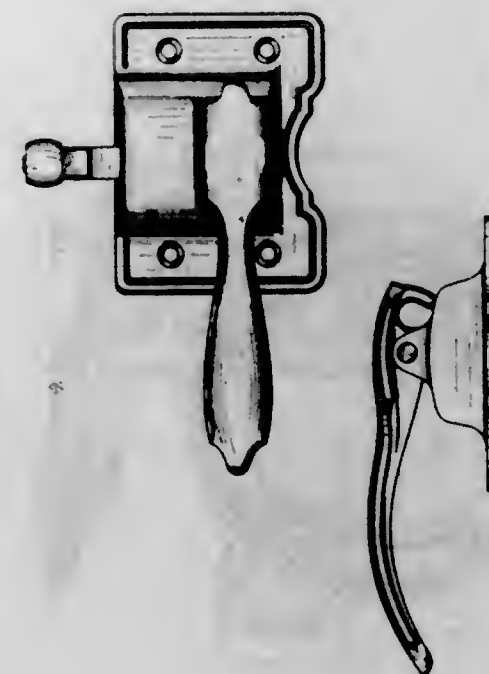
The ornamental design for a latch substantially as shown.

79,848. LATCH. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 9, 1929. Serial No. 32,363. Term of patent $3\frac{1}{2}$ years.



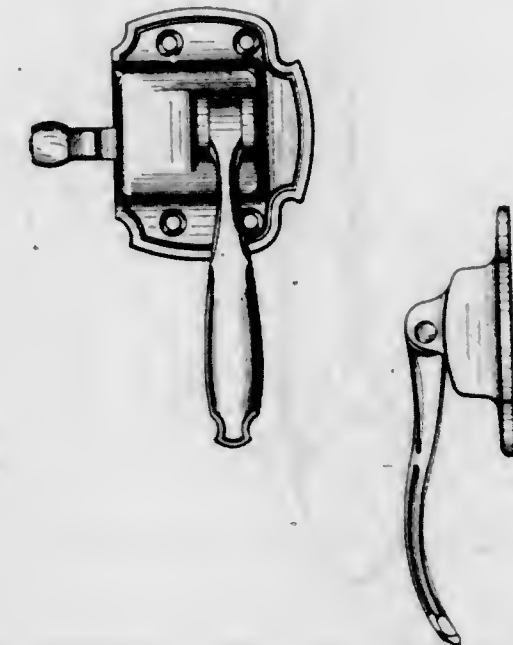
The ornamental design for a latch substantially as shown.

79,849. LATCH. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 15, 1929. Serial No. 32,411. Term of patent $3\frac{1}{2}$ years.



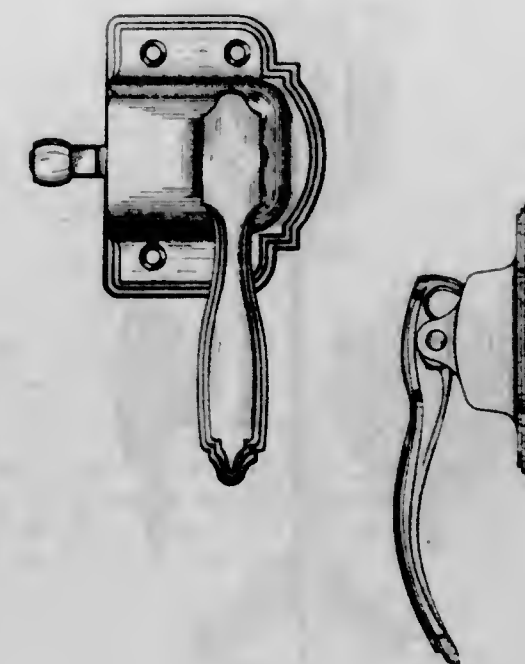
The ornamental design for a latch substantially as shown.

79,850. LATCH. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 19, 1929. Serial No. 32,452. Term of patent $3\frac{1}{2}$ years.



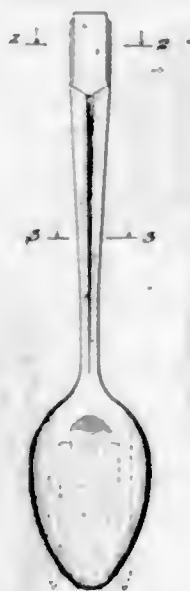
The ornamental design for a latch substantially as shown.

79,851. LATCH. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 19, 1929. Serial No. 32,453. Term of patent $3\frac{1}{2}$ years.



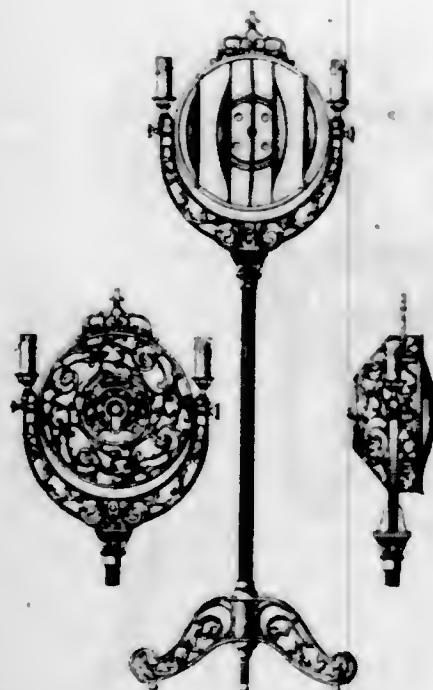
The ornamental design for a latch substantially as shown.

79,852. SPOON OR SIMILAR ARTICLE. WALTER T. ROLFE, Austin, Tex., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Mar. 28, 1929. Serial No. 30,646. Term of patent 7 years.



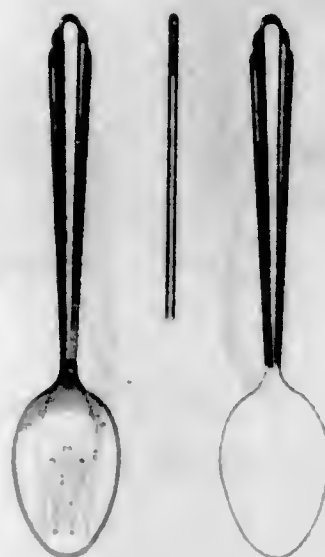
The ornamental design for a spoon or similar article substantially as shown and described.

79,853. FAN STAND OR SIMILAR ARTICLE. CHARLES D. RYDER, Covington, Ky., assignor to The Cincinnati Victor Company, Cincinnati, Ohio. Filed Aug. 12, 1929. Serial No. 32,393. Term of patent 7 years.



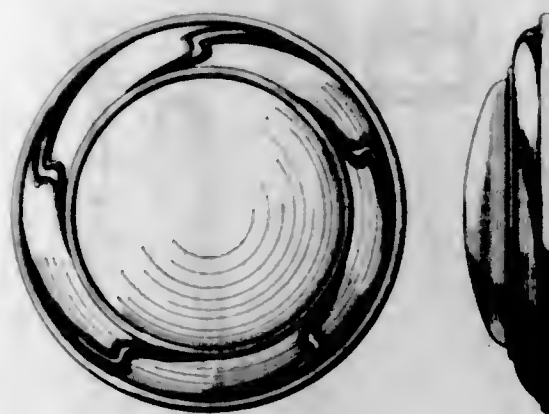
The ornamental design for a fan stand or similar article substantially as shown.

79,854. SPOON OR SIMILAR ARTICLE. ELMEL SAARINEN, Birmingham, Mich., assignor to Reed & Barton, Taunton, Mass., a Corporation of Massachusetts. Filed July 20, 1929. Serial No. 32,125. Term of patent 7 years.



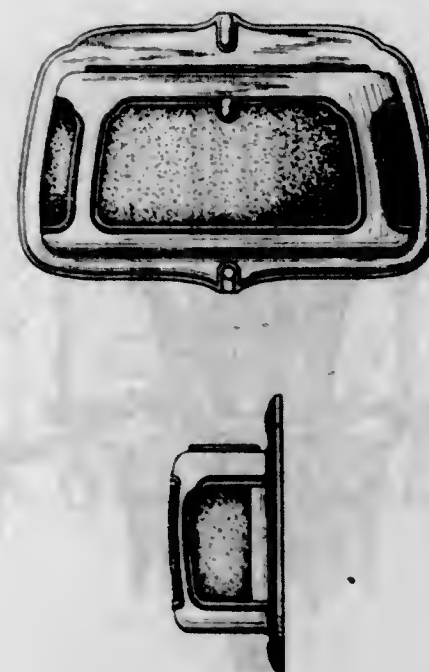
The ornamental design for a spoon or similar article, as shown.

79,855. DOME LIGHT OR THE LIKE FOR AN AUTOMOTIVE VEHICLE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed May 29, 1929. Serial No. 31,454. Term of patent 7 years.



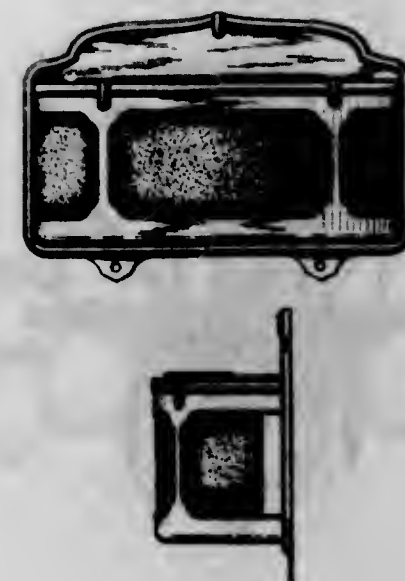
An ornamental design for a dome light or the like for an automotive vehicle substantially as shown.

79,856. SMOKING CASE OR THE LIKE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 12, 1929. Serial No. 32,384. Term of patent 7 years.



The ornamental design for a smoking case or the like substantially as shown.

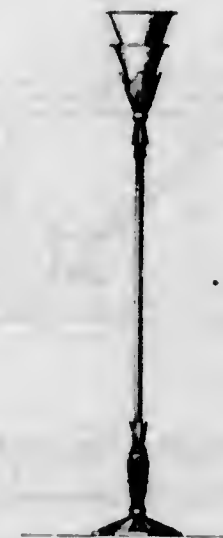
79,857. COMBINATION SMOKING AND VANITY CASE OR THE LIKE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 12, 1929. Serial No. 32,385. Term of patent 7 years.



The ornamental design for a combination smoking and vanity case or the like substantially as shown.

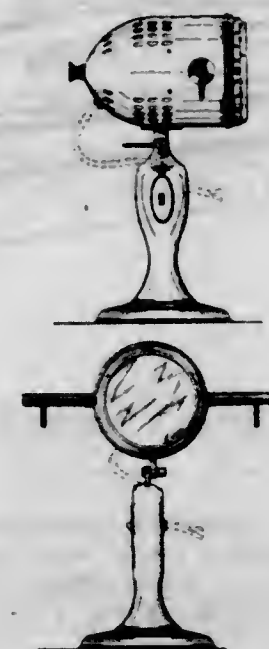
388 O. G.—6

79,858. FLOOR LAMP. OSCAR F. SEEGER, Seattle, Wash., assignor to Cascade Fixture Company, Seattle, Wash., a Corporation of Washington. Filed Aug. 27, 1929. Serial No. 32,559. Term of patent 7 years.



The ornamental design for a floor lamp, as shown.

79,859. ELECTRIC ARC LAMP. WILLIAM C. SPIETH, Geneva, Ohio. Filed June 10, 1929. Serial No. 31,619. Term of patent 14 years.



The ornamental design for an electric arc lamp substantially as shown.

79,860. TIMEPIECE HAND. JAN STRENG, New York, N. Y., assignor to The Ansonia Clock Company, New York, N. Y. Filed Dec. 29, 1928. Serial No. 29,447. Term of patent 3 1/2 years.



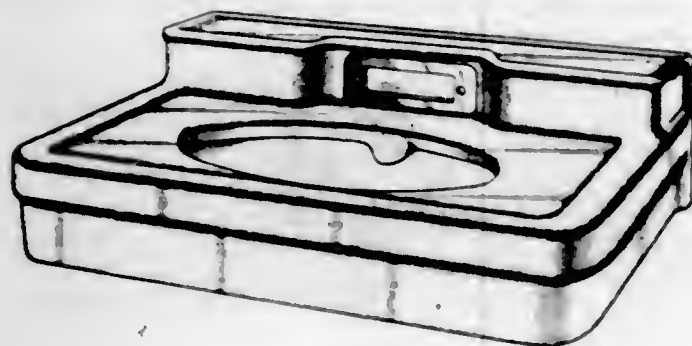
The ornamental design for a time piece hand as shown.

79,861. TIMEPIECE HAND. JAN STRENG, New York, N. Y., assignor to The Ansonia Clock Company, New York, N. Y. Filed Dec. 29, 1928. Serial No. 29,448. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a time piece hand as shown.

79,862. LAVATORY. EARL G. WATROUS, Chicago, Ill. Filed May 31, 1929. Serial No. 31,477. Term of patent 14 years.



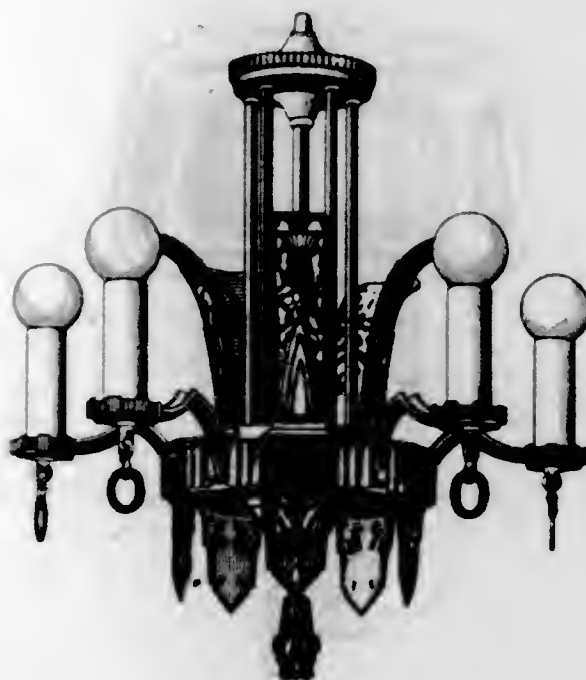
The ornamental design for a lavatory as shown.

79,863. BUCKLE. THOMAS H. WIGHTMAN, Providence, R. I., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed June 28, 1929. Serial No. 31,856. Term of patent $3\frac{1}{2}$ years.



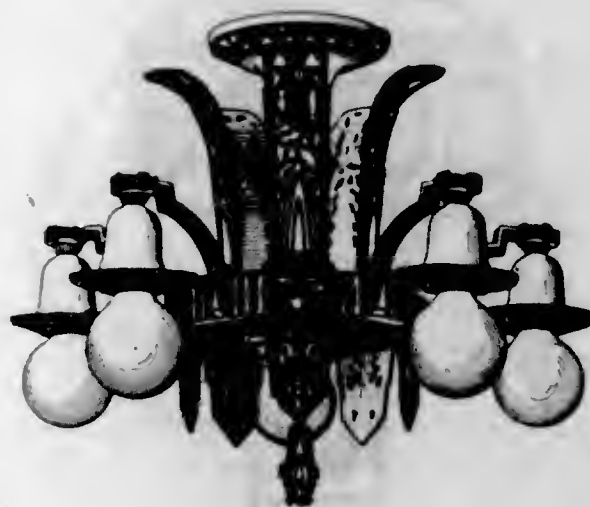
The ornamental design for a buckle, substantially as shown.

79,864. CHANDELIER. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed Sept. 6, 1929. Serial No. 32,675. Term of patent $3\frac{1}{2}$ years.



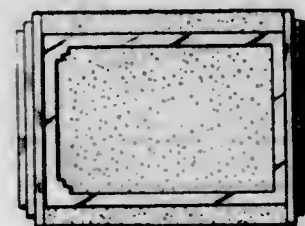
The ornamental design for a chandelier substantially as shown.

79,865. CEILING LIGHTING FIXTURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed Sept. 6, 1929. Serial No. 32,676. Term of patent $3\frac{1}{2}$ years.



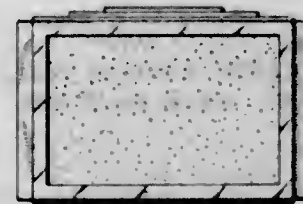
The ornamental design for a ceiling lighting fixture substantially as shown.

79,866. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,075. Term of patent 14 years.



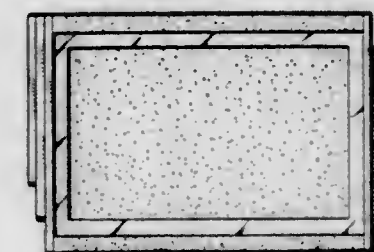
The ornamental design for a vanity case, as shown and described.

79,867. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,076. Term of patent 7 years.



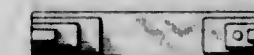
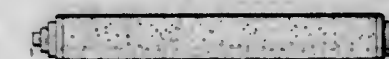
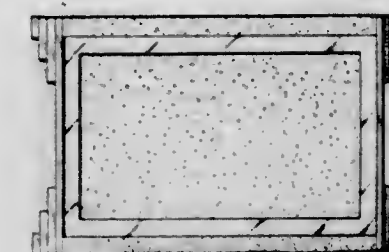
The ornamental design for a vanity case, as shown and described.

79,868. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,077. Term of patent 14 years.



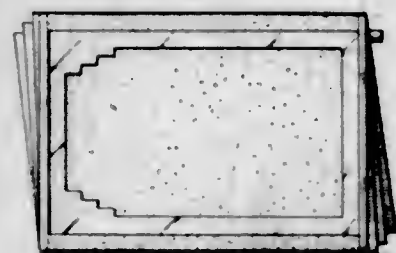
The ornamental design for a vanity case, as shown and described.

79,869. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y. Filed July 16, 1929. Serial No. 32,078. Term of patent 14 years.



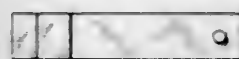
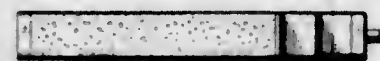
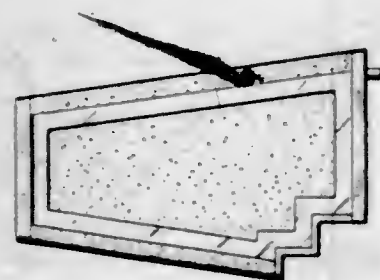
The ornamental design for a vanity case, as shown and described.

79,870. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y.
Filed July 16, 1929. Serial No. 32,079. Term of patent
14 years.



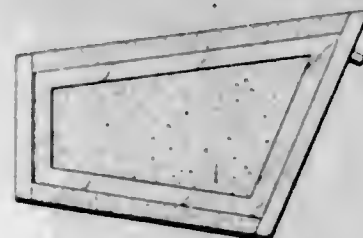
The ornamental design for a vanity case, as shown and
described.

79,871. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y.
Filed July 16, 1929. Serial No. 32,080. Term of patent
14 years.



The ornamental design for a vanity case, as shown and
described.

79,872. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y.
Filed July 16, 1929. Serial No. 32,081. Term of patent
14 years.



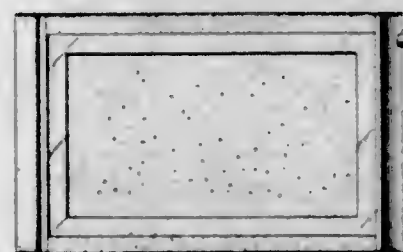
The ornamental design for a vanity case, as shown and
described.

79,873. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y.
Filed July 16, 1929. Serial No. 32,082. Term of patent
7 years.



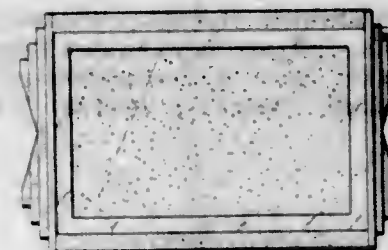
The ornamental design for a vanity case, as shown and
described.

79,874. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y.
Filed July 16, 1929. Serial No. 32,083. Term of patent
7 years.



The ornamental design for a vanity case, as shown and
described.

79,875. VANITY CASE. DAVID H. ZELL, Brooklyn, N. Y.
Filed July 16, 1929. Serial No. 32,084. Term of patent
14 years.



The ornamental design for a vanity case, as shown and
described.

79,876. STOCKING. RUBY LEVI, New York, N. Y. Filed
July 18, 1929. Serial No. 32,044. Term of patent 7
years.

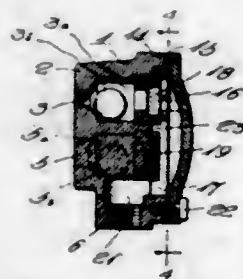


The ornamental design for a stocking substantially as
shown.

PATENTS

GRANTED NOVEMBER 5, 1929.

1,734,028. AUTOMATIC DRAIN VALVE. ALBERT L. BRICE, Frederick, Md., assignor to The Frederick Iron & Steel Company, Frederick, Md., a Corporation of Maryland. Filed June 7, 1927. Serial No. 197,154. 8 Claims. (Cl. 277-60.)

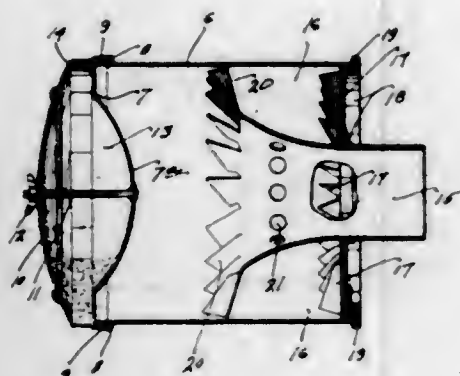


1. A drain valve comprising a casting, a plurality of drain connections terminating in said casting, ball valves operating in said casting individual to each of said connections, and chamber at one side of said casting extending beneath said drain connections and common to all of said connections for providing a drain for said connections.

1,734,029. PROCESS OF PRODUCING BENZOIC ACID. GEORGE BARSKY, New York, N. Y., and ISAAC V. GILES, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Mar. 8, 1926. Serial No. 93,115. 2 Claims. (Cl. 260-108.)

1. In a method of making benzoic acid the steps which comprise providing a mixture of approximately equimolecular quantities of benzol, cyanuric chloride and aluminum chloride and causing the same to react at the boiling point of the mixture.

1,734,030. AIR CLEANER. ASHLEY C. BENNETT, Minneapolis, Minn. Filed Nov. 6, 1926. Serial No. 146,736. 9 Claims. (Cl. 183-90.)



1. An air cleaner comprising a tubular casing provided with an air outlet tube and an air inlet passage, said air inlet passage having spaced primary and secondary deflecting blades causing the incoming air to take up a whirling motion, said air inlet having unobstructed auxiliary ports leading therefrom from points between said primary and secondary deflecting blades and leading directly into said air outlet tube, and said casing having a dust chamber for the dust separated from the clean air.

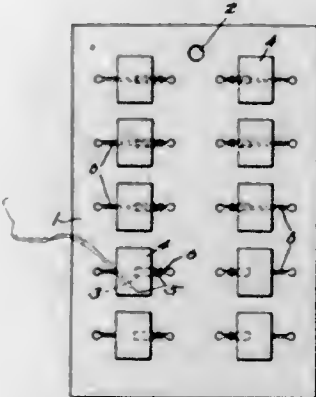
86

1,734,031. DISPENSING DEVICE. WALTER C. CARLSON, Milwaukee, Wis., assignor to Milwaukee Paper Box Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 2, 1928. Serial No. 266,538. 5 Claims. (Cl. 312-42.)



1. In a device of the character described, the combination with a pyramidal base, of a tubular housing member vertically elongated in form and rigidly connected with said base to receive stability therefrom, said housing being provided with a dispensing opening substantially at the level of the top of said base, and a filler opening in an intermediate portion of its back wall, the top and bottom peripheries of said housing being continuous.

1,734,032. SHIPPING CARD FOR BACKINGS FOR ARTIFICIAL TEETH. DAVID E. EVANS, Columbus, Ohio, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio, a Corporation. Filed June 13, 1928. Serial No. 285,019. 1 Claim. (Cl. 206-79.)



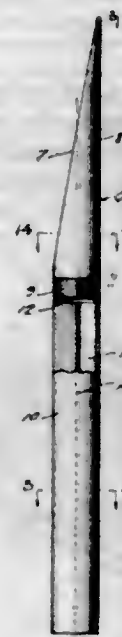
In combination, a shipping card for backings for artificial teeth, said backings consisting of a flat plate like member provided with a central medial post, the said card comprising a flat sheet body and being formed with a plurality of slots; said posts being engaged and retained in said slots with said member flat against the card.

NOVEMBER 5, 1929

U. S. PATENT OFFICE

87

1,734,033. DEVICE FOR ORIENTATING WHIPSTOCKS. WILFRED H. GEIS, Los Angeles, Calif. Filed July 1, 1929. Serial No. 375,217. 6 Claims. (Cl. 255-1.)

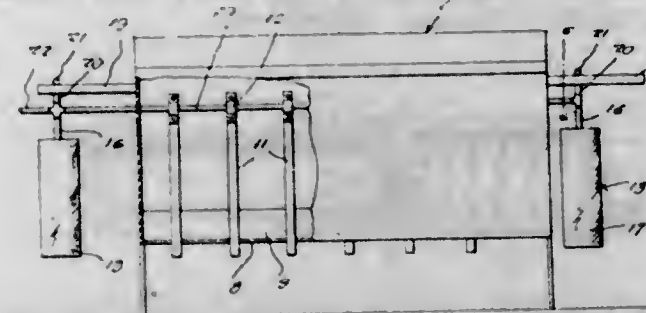


1. In combination with a whip stock, an orientator comprising an elongate extension for the basal portion of said body and having a center of gravity offset from its geometrical longitudinal axis.

1,734,034. PROCESS FOR THE TREATMENT OF ORES FOR THE RECOVERY OF TITANIUM. ARNOLD WILLIAM GREGORY, deceased, Greenwich, London, England, by Margaret Ada Gregory, executrix, Greenwich, London, England. Filed Oct. 16, 1926. Serial No. 142,150, and in Great Britain Oct. 20, 1925. 1 Claim. (Cl. 28-202.)

That process of removing the iron from titaniferous ores which consists in pulverizing the ore, mixing the pulverized ore with sufficient free carbon to combine with substantially all of the oxygen in the iron oxide of the ore and with a fusible alkaline salt, heating the mixture in the absence of free oxygen to a bright red heat to cause combination of the carbon with substantially all of the oxygen of the iron oxide content and production of free iron in a dispersed state, and immediately treating the whole mass with dilute acid capable of combining with the free iron in quantity at least sufficient to combine with all said free iron, and to neutralize the alkaline salt whereby to resolve all the iron content of the ore to an iron salt in solution.

1,734,035. COMBINATION HOG OILER AND FEEDER. CHARLES W. HARGRAVES, Yeoman, Ind. Filed Dec. 26, 1928. Serial No. 328,579. 5 Claims. (Cl. 119-54.)



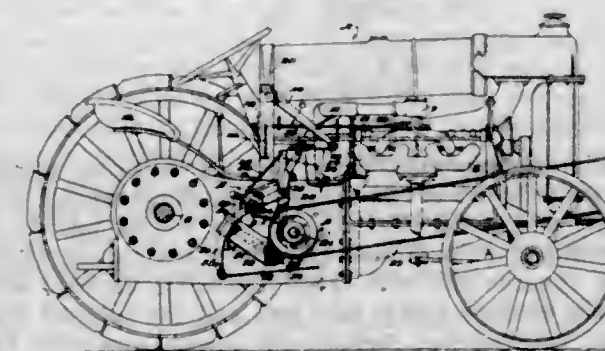
1. In a structure of the class described, in combination, a feed container, a plurality of agitating elements supported therein, and a hog oiling device having operating connection in said agitator.

1,734,036. GUIDE RAIL FOR TABLES OF APPARATUS FOR GRINDING, SMOOTHING, AND POLISHING PLATE OR SHEET GLASS AND OTHER SIMILAR MATERIALS. CHARLES HEUZE, Avelal, Belgium. Filed Mar. 31, 1928. Serial No. 266,418, and in Belgium Feb. 14, 1928. 2 Claims. (Cl. 238-228.)



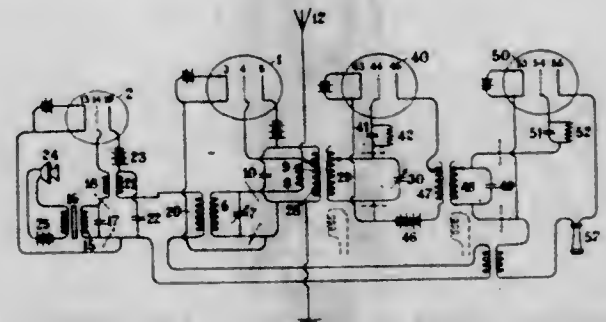
1. Guide rails for the tables of apparatus for grinding, smoothing and polishing plate glass, sheet glass and other similar materials, which tables are removed beneath tools which perform constantly the same work, comprising a plurality of rail portions, and expansion joints between said portions, oil drip trays disposed beneath the extension joints, and lips on the transverse webs of the guide rail portions situated on each side of an expansion joint, the said lips being located above the drip trays.

1,734,037. CONTROL MECHANISM FOR POWER PLANTS. CLAUDE E. KELLY, Preston, Iowa. Filed Oct. 12, 1928. Serial No. 312,065. 9 Claims. (Cl. 192-0.01.)



1. In a device of the type described, the combination with a tractor having an auxiliary power take-off shaft, a clutch for controlling the connection of the shaft with the power plant of the tractor, and a throttle valve control rod, of a bracket mounted upon the tractor and a lever pivoted upon the bracket and movable in opposite directions to simultaneously control the clutch for the power take-off shaft and the throttle valve rod.

1,734,038. ELECTRICAL TRANSMISSION OF ENERGY. LUCIEN LEVY, Paris, France, assignor, by mesne assignments, to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 12, 1918. Serial No. 249,572, and in France Aug. 4, 1917. 17 Claims. (Cl. 250-9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

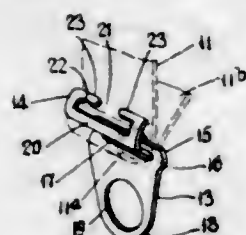


1. The method of amplifying and receiving high frequency electrical oscillatory energy which comprises, combining the

incoming energy with locally generated high frequency continuous oscillations of a frequency differing from said incoming energy by a third readily-amplifiable high frequency, converting the combined energy by suitable means to produce said readily-amplifiable high frequency oscillations, amplifying the said third high frequency oscillations, and detecting and indicating the resulting amplified oscillations.

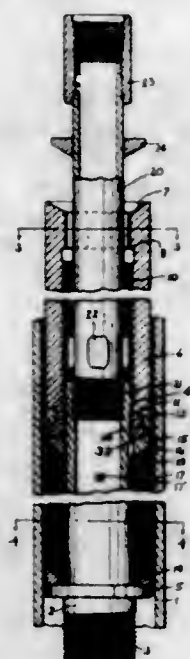
4. The method of amplifying and receiving electrical oscillatory energy of short wave length which comprises combining the incoming energy with locally generated high frequency continuous electrical oscillations of a frequency differing from said incoming energy by a third high frequency within the range of 20,000 to 250,000 cycles per second, rectifying the combined energy to produce said oscillations of said third high frequency, amplifying the said third high frequency oscillations and detecting and indicating the resulting amplified oscillations.

1,734,039. STRAP-ATTACHING AND END-FINISHING DEVICE. DAVIS MARINSKY, New York, N. Y., assignor to Mollie Beckerman, New York, N. Y. Filed Oct. 17, 1928. Serial No. 313,012. 14 Claims. (Cl. 24-265.)



9. A device of the class described adapted to be coupled with a strap intermediate the end portions thereof and comprising a member through which a looped portion of the strap is passed, and another member one side of which is passed through the loop in said strap to arrange said side of said member within said loop and the opposite side outwardly with respect thereto and cooperating with the first named member when pull is exerted upon one end of the strap to lock both ends of the strap against movement relatively to said members.

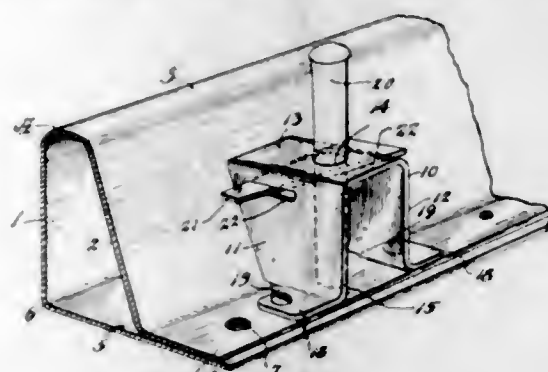
1,734,040. PACKER FOR WELLS. JOSEPH H. McEVoy, Houston, Tex. Filed Jan. 11, 1927. Serial No. 160,496. 2 Claims. (Cl. 166-10.)



1. In a well packer a mandrel, a support thereon, compressible packing on said support, a ring on said packing,

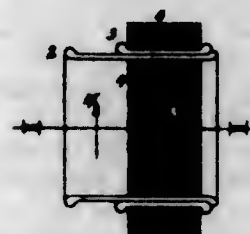
interengaging means on said ring and mandrel to prevent rotation of said ring, a setting sleeve having a swivel connection with said ring, said sleeve having a threaded connection with said mandrel, and means to screw said sleeve downwardly on said mandrel to compress said packing longitudinally.

1,734,041. ROAD-RAIL STAKE BOX. GEORGE H. MILLER, Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed Jan. 12, 1928. Serial No. 246,207. 4 Claims. (Cl. 25-118.)



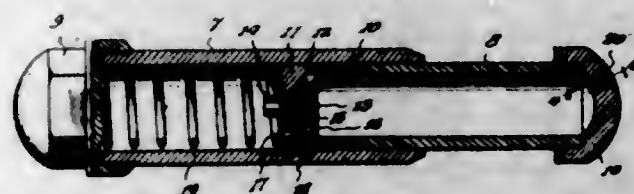
1. A road rail or form of the class described, comprising, in combination, a rail member having an inclined wall formed with slots therein, a stake box, and hook members upon the stake box inclined complementally to the sloped wall of the rail and cooperating therewith in affixing the said box to the said rail.

1,734,042. ROTARY TRANSFORMER. MARCEL MONEYRON, Paris, France. Filed Apr. 9, 1928, Serial No. 268,568, and in France Apr. 21, 1927. 2 Claims. (Cl. 172-238.)



1. A balanced alternating-current transformer comprising a stationary magnetic element; a rotary element concentric with the stator; a damping winding wound on one of said elements, the other element having slots formed therein; and two polyphase windings wound in said slots and in close inductive relation with each other in each slot, the turns of one of said windings forming a geometrical figure which projects laterally beyond the figure formed by the turns of the other winding.

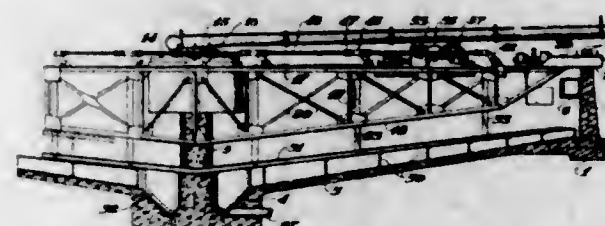
1,734,043. HYDRAULIC FLEXIBLE COUPLING. CARL E. NELSON, Niagara, Wis. Filed Feb. 9, 1928. Serial No. 253,097. 2 Claims. (Cl. 64-96.)



1. A hydraulic coupling comprising tubular members having a telescopic arrangement and piston fit and closed at their outer ends, a piston head at the inner end of the inner member provided with ports opening through opposite faces and the outer side thereof, and having an opening extending therethrough, a valve within the opening of

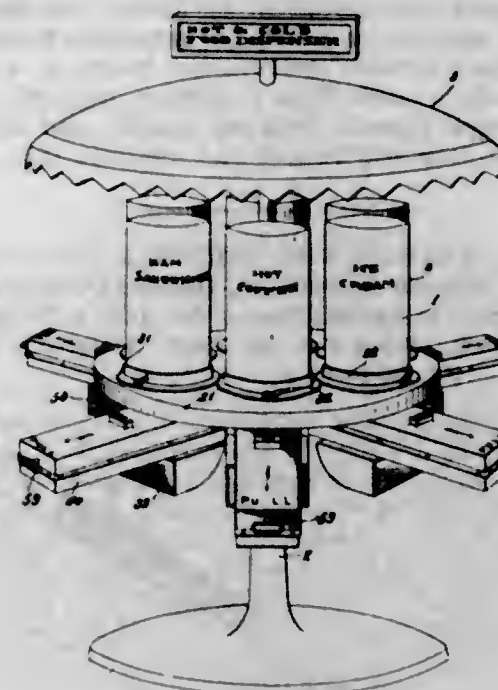
the piston head and normally seated and adapted to automatically open when the members move outwardly, there being a channel in the wall of the outer member in communication with the ports formed in the piston head, and an expansible helical spring within the outer member and normally urging the members apart.

1,734,044. THICKENER. WILLIAM S. ORR, Massillon, Ohio, assignor to Central Alloy Steel Corporation, Massillon, Ohio, a Corporation of New York. Filed Apr. 5, 1928. Serial No. 267,644. 4 Claims. (Cl. 210-55.)



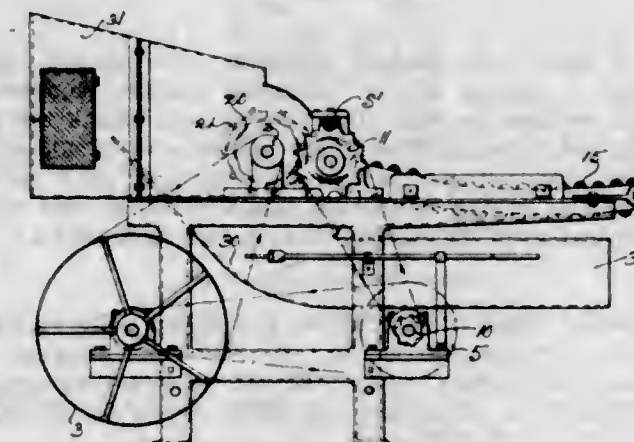
1. In thickening apparatus, the combination of a truss mounted for movement in a horizontal plane, a second truss provided with scraper blades and movable horizontally with said truss, bell crank levers pivotally secured to said trusses, connecting rods pivotally secured to the upper ends of the bell crank levers, and means mounted on the first-named truss for reciprocating the connecting rods to thereby cant the bell crank levers and move the second-named truss vertically with respect to the first-named truss.

1,734,045. DISPENSING APPARATUS. ALICE N. PARHAN, Baltimore, Md. Filed Nov. 22, 1928. Serial No. 321,047. 11 Claims. (Cl. 312-86.)



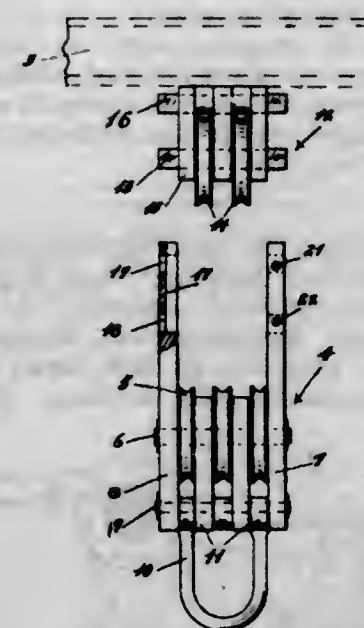
1. An automatic dispensing apparatus having an outer insulated casing, an inner chamber for the commodity being sold and an intermediate chamber for heating or cooling medium and means for delivering the commodity in predetermined units, said casing and chambers being removable for filling and permanently closed at one end and cooperating with said delivery means at the other end.

1,734,046. PICKING MACHINE. ERNEST O. PATZ, Scarsdale, N. Y. Filed Dec. 13, 1927. Serial No. 239,639. 4 Claims. (Cl. 19-83.)



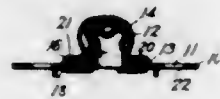
1. A picking machine comprising a picking cylinder having teeth, means adapted to feed material to the said picking cylinder so that the said picking cylinder operates to pick the fibres from the material, means adapted to revolve said picking cylinder with sufficient velocity so that the fibres are thrown away from said teeth, said picking cylinder also operating to throw the heavier residues of said material away from the said feeding means, a first collecting chamber for the lighter material located underneath the said picking cylinder, said collecting chamber having an adjustable slide at the inlet thereof, said adjustable slide being located behind the said picking cylinder, and a second chamber for collecting the said heavier residues, the said slide being between said picking cylinder and the inlet to said second chamber.

1,734,047. TRAVELING BLOCK. CHARLES F. PIPPEN and EARNEST B. ORMSBY, Long Beach, Calif. Filed May 19, 1928. Serial No. 278,951. 5 Claims. (Cl. 254-192.)



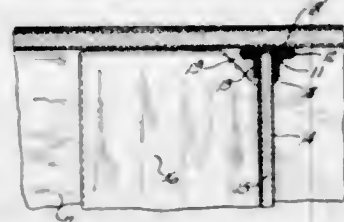
1. A traveling block comprising side plates, a plurality of fixed sheaves journaled between the side plates, a removable section including a plurality of sheaves journaled therein, and means to removably secure said removable section to the side plates.

1,734,048. **STUD SLIDE.** DANIEL I. REITER, New York, N. Y. Filed June 7, 1928. Serial No. 283,546. 10 Claims. (Cl. 24-77.)



3. A stud slide member provided with spaced slots therein, a spring socket engaging member supported against collapse on said slide member and means for securing said spring member to one of the faces of said slide member, comprising a flanged shoe engaging said spring member and having extensions passing through said slots and turned on to the opposite face of said slide member.

1,734,049. **SLIDABLE TRUNK OR SUITCASE PARTITION.** JULIUS RITTER, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 25, 1928. Serial No. 302,000. 3 Claims. (Cl. 190-51.)



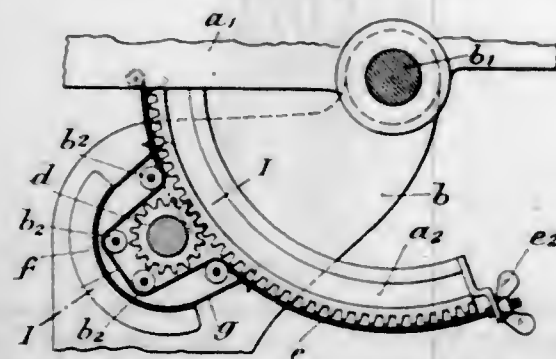
3. In a container having side walls, a pair of opposed guide members mounted on opposite inner surfaces of said side walls, and a sectional partition slidably mounted in said guide members, one section of said partition being foldable with respect to the other section, the partition being mountable in the guide members with either one or both sections engaged thereby.

1,734,050. **MANUFACTURE OF SULPHONATED OILS, FATS, FATTY ACIDS, AND WAXES.** WILLY SECK, Augsburg, Germany, assignor to Erba Aktiengesellschaft, Zurich, Switzerland. Filed Feb. 3, 1928. Serial No. 251,737, and in Germany July 28, 1927. 14 Claims. (Cl. 87-12.)

1. A process for preparing from an oil, fat, fatty acid, or wax, a substantially decolorized sulphonated product, consisting of subjecting said substance to sulphonation in the presence of a bleaching agent.

13. A process for preparing from an oil, fat, fatty acid, or wax, a substantially decolorized sulphonated product, consisting of subjecting said substance to sulphonation by an organic sulpho-acid in the presence of sulphuric acid and a bleaching agent.

1,734,051. **GUARD FOR TOOTHED-SECTOR GEARS.** HERMANN SCHULER, Dusseldorf, and ALFRED KRAUM, Dusseldorf-Eller, Germany, assignors to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf-Deren-dorf, Germany. Filed Nov. 28, 1928. Serial No. 322,513, and in Germany Apr. 20, 1928. 3 Claims. (Cl. 74-56.)



1. In a guard for toothed sector gears, particularly for a toothed sector gear of a pointing machine of an auto-

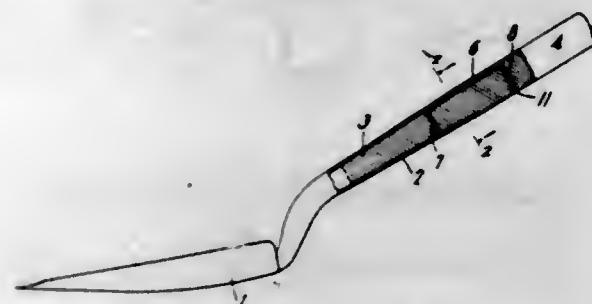
matic fire arm, a toothed sector, a pinion cooperating with said sector, a flexible band covering the toothing of said sector and fixed at both ends of same and means for lifting said band off the toothing of said sector and guiding it over said pinion, so that said pinion may freely engage and rotate in engagement with said toothed sector.

1,734,052. **SHEET-METAL CONTAINER.** JACOB A. SHIVE, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a Corporation of Delaware. Filed Nov. 15, 1927. Serial No. 233,466. 4 Claims. (Cl. 220-66.)



1. The method of mounting ends in polygonal can bodies, which consists in forming each side wall of the polygonal body with an inwardly extending integral flange spaced from such wall and approximately parallel therewith, the flanges of adjacent side walls being spaced from each other at the angle between adjacent side walls; forming a corresponding polygonal end wall with an integral peripheral flange bent up at approximately right angles thereto and having inwardly extending lobes or folds formed of the surplus metal at each corner of the blank; mounting said end wall in said can body with its peripheral flange lying in the interval between the intumed flanges on the said bodies and with said lobes projecting through the intervals between adjacent intumed flanges; and upsetting said lobes to lock said flanges and reinforce the corners.

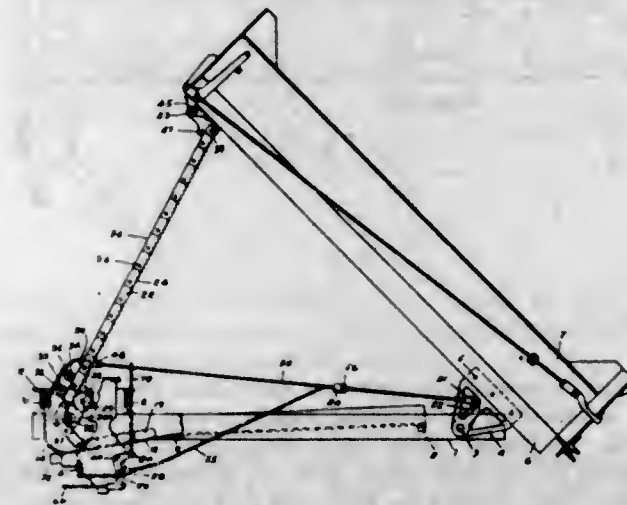
1,734,053. **HANDLE FOR SHOVELS AND OTHER TOOLS.** WALTER E. SKELTON, Hamilton, Ontario, Canada, assignor to Skelton Shovel Co., Inc., a Corporation of New York. Filed Feb. 16, 1926. Serial No. 88,663. 2 Claims. (Cl. 306-37.)



1. A handle for shovels and other tools having a tapered end, and a reinforcement for said handle consisting of a strip of metal substantially narrower than the handle and extending longitudinally of the handle from a point within the tapered portion to a point substantially above the same, said strip having its lower end bent and

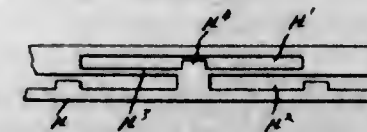
securely held in a transverse recess of said tapered portion and having its upper end also bent and securely held in a transverse recess within the handle above the tapered portion.

1,734,054. **DUMP BODY.** RALPH E. SMITH, Gallon, Ohio, assignor to Gallon Metallic Vault Company, Gallon, Ohio, a Corporation of Ohio. Filed Mar. 9, 1928. Serial No. 260,507. 13 Claims. (Cl. 298-21.)



1. In combination, a supporting frame, a dump body pivoted thereon, means flexible in one direction and inflexible in another adapted to elevate said body, means for driving said means to raise and lower said body, and follow means for maintaining said elevating means in its stiff condition adapted to engage therewith to so maintain the elevating means, said follow means being pivotally mounted, and means connected therewith and to the truck body to synchronize the movement of the follow means with the movement of the body and the movement of the elevating means.

1,734,055. **PISTON RING.** DEAN M. SOLENERBERGER, Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc., a Corporation of Ohio. Filed Sept. 26, 1927. Serial No. 222,092. 2 Claims. (Cl. 74-109.)

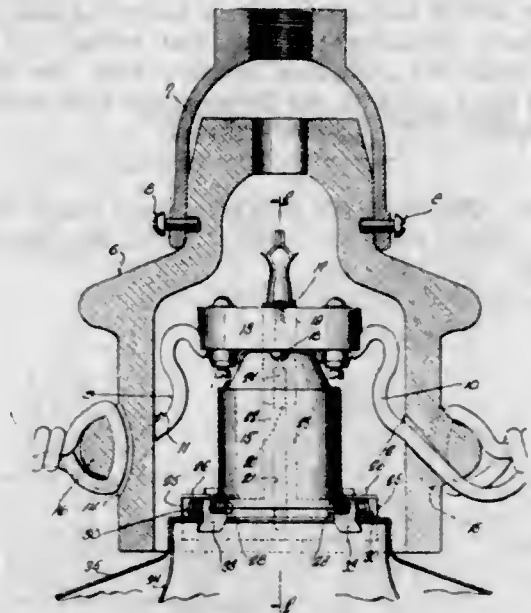


2. A piston ring of a normal width greater than the ring groove circumferentially slotted for axial resiliency and for the passage of lubricant therethrough, said slots being arranged in staggered series to produce flexible bars therebetween, the slots of one series being limited in width to limit the flexing of said bars and the slots of the other series being of greater width to increase the oil passage and to diminish the area of peripheral contact.

1,734,056. **STREET-LIGHTING FIXTURE.** ALWIN G. STRINMAYER, Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis., a Corporation of Delaware. Filed Dec. 27, 1926. Serial No. 157,194. 5 Claims. (Cl. 240-78.)

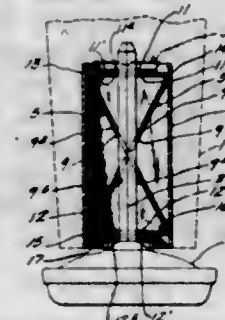
1. A device of the character described, comprising a housing, a socket receptacle adapted to be positioned within the housing, a bracket member extended downwardly from the receptacle, a supporting frame, means for longitudinally adjustably connecting the bracket member with

the supporting frame, a light modifier, and means for clamping the light modifier to the supporting frame, said



last-mentioned means passing through an aperture in the housing and securing the supporting frame within the housing.

1,734,057. **PINTLE RETAINER.** GEORGE W. SUTTON, Menasha, Wis. Filed Aug. 20, 1927. Serial No. 214,292. 7 Claims. (Cl. 16-39.)



1. A pintle retainer for casters, shoes or the like comprising a pair of crossed and interfitted spring retaining members having means gripping the pintle and having portions adapted for securing engagement with the walls of a socket or the like, said spring retaining members being held interfitted and in gripping engagement with the pintle and with the socket by virtue of the mutual action of the pintle, the spring retaining members and the socket.

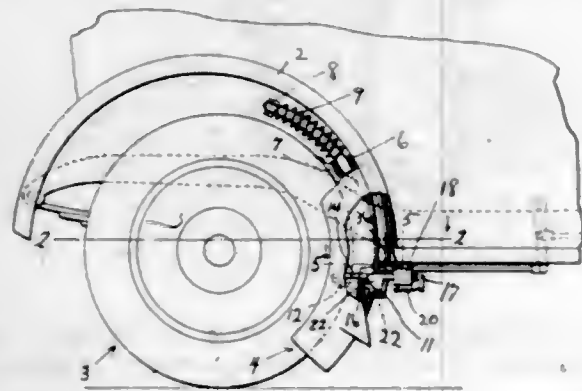
1,734,058. **SLIDING FURNITURE SHOE.** GEORGE W. SUTTON, Menasha, Wis. Filed Aug. 20, 1927. Serial No. 214,293. 3 Claims. (Cl. 16-42.)



1. A sliding shoe for furniture comprising a base having a relatively broad and flat bottom and provided with a peripheral flange, a load distributing plate supported on the peripheral flange and spaced from the intermediate

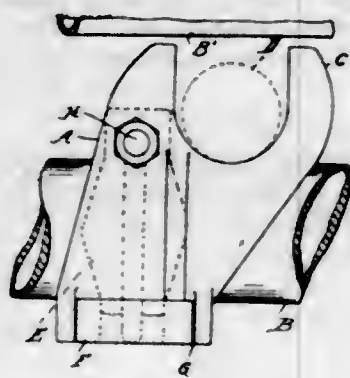
portion of the base, a socket member carried by the plate and spaced from the base, an attaching device having a ball fitted in the socket member, and a cover plate having an upwardly dished and appropriately apertured body portion substantially enclosing the ball and socket and having means around its periphery coacting with the load distributing plate and with the flange of the base to maintain the assembly.

1,734,059. EMERGENCY BRAKE. SUPO TERAQ, Mitchell, Nebr. Filed June 11, 1927. Serial No. 198,155. 2 Claims. (Cl. 188-4.)



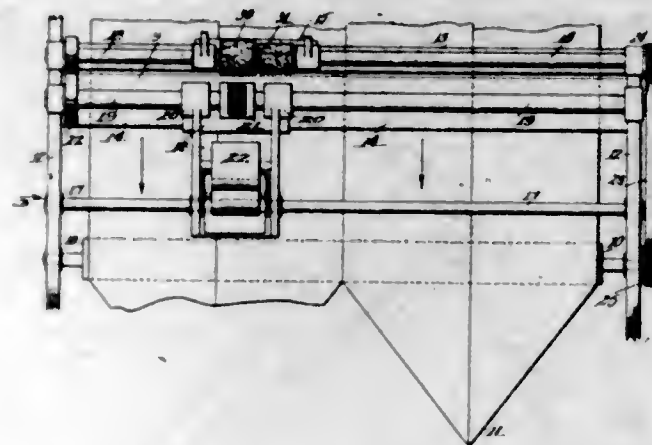
2. In a structure of the class described, a longitudinally bowed brake shoe of channel shaped cross section adapted for cooperation with the traction surface of a tire, a lug carried by said shoe, spaced parallel guide tracks also carried by said shoe, a longitudinally bowed shank connected with said shoe, an attaching bracket provided with a guide through and beyond which said shank extends, a nut on the end of said shank, a spring surrounding said shank between said nut and said guide, clamping means carried by the interior of the shoe, a cam actuating device for said clamping means, and a push rod having a head slidably mounted in said guide tracks.

1,734,060. BOILER CLEANER. WILLIS P. THOMAS, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 28, 1919. Serial No. 293,157. 9 Claims. (Cl. 122-392.)



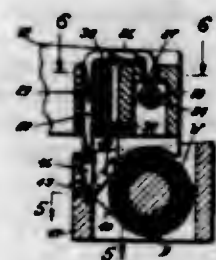
1. In a boiler cleaner, the combination with a boiler tube and a blower tube supported thereon, of means carried by the boiler tube for maintaining the blower tube in position comprising complementary members having recesses combined to form a pocket receiving the boiler tube, an element projecting from one of said complementary members in a direction substantially at right angles with a plane perpendicular with the boiler tube axis at the point of location of said complementary members, said element having means receiving the blower tube, and means securing the complementary members together and disposed to one side of said element.

1,734,061. LATE-NEWS DEVICE. ISIDOR TOANBERG and HANS C. JORDHOY, Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Nov. 7, 1925. Serial No. 67,595. Renewed Mar. 27, 1929. 11 Claims. (Cl. 270-5.)



1. In a newspaper printing machine, the combination with a plurality of printing couples and means for conducting the webs from said couples, of a drag roller receiving all of said webs upon its surface, said printing couples being located on both sides of the drag roller and a late news printing device located adjacent to the drag roller and adapted to receive a web from a printing couple located on either side of the drag roller.

1,734,062. WEFT DETECTOR FOR LOOMS. RICHARD G. TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1928. Serial No. 261,973. 8 Claims. (Cl. 139-275.)

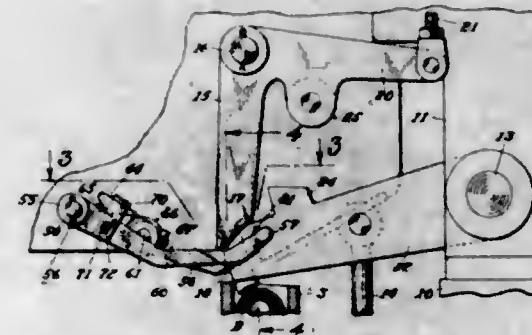


1. In a weft detector for looms having a shuttle and a transfer arm which receives a regular movement toward the weft supply at periodic intervals, an indicating member on the transfer arm normally in non-indicating position, a detecting device including two elements to be brought into cooperative relationship at substantial exhaustion of weft, one of said elements being normally related to the indicating element to hold the same in non-indicating position and mounted on the transfer arm and the other element being dependent for its position upon the amount of weft and being mounted in the shuttle and means to effect a change in the operation of the loom when said elements are brought into cooperative relationship to move the first element out of operative relation with the indicating element.

1,734,063. DEVICE TO PREVENT REPEATED INDICATION OF WEFT EXHAUSTION. KENNETH J. UNWIN and WALTER H. WAKESFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 16, 1928. Serial No. 298,220. 14 Claims. (Cl. 139-230.)

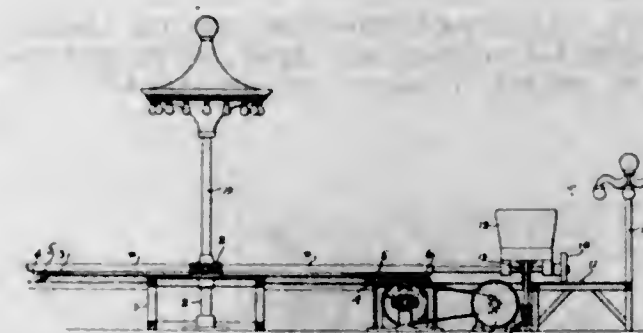
1. In a weft replenishing mechanism, a regularly moving transfer arm having transferring and non-transferring

strokes, means to initiate replenishment at exhaustion of weft, an element movable at the time of transfer by a force derived from the transfer arm to a position to prevent



initiation of weft replenishment, and means to hold said element in preventing position when the transfer arm is moving on its non-transferring stroke.

1,734,064. AMUSEMENT DEVICE. AUREL VASZIN, Dayton, Ohio. Filed May 24, 1927. Serial No. 193,918. 2 Claims. (Cl. 272-44.)

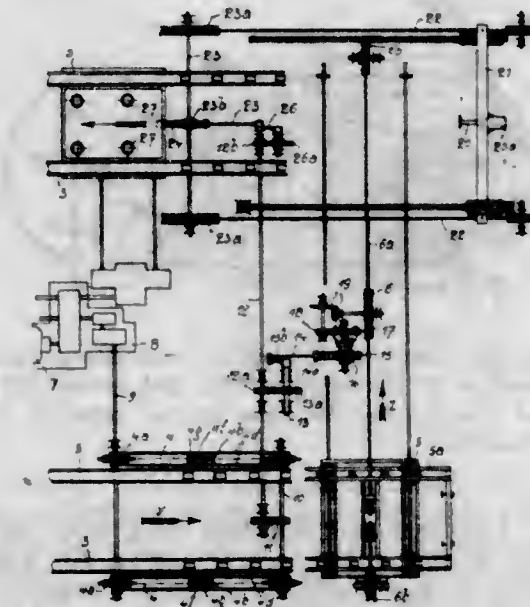


1. In an amusement apparatus, a plurality of arms, radiating from a common hub, means for driving said hub to rotate said arms, cars for passengers pivoted on said arms freely, an undulatory track, means on said cars for engaging with said undulatory track to cause the cars to rotate about their arms, a passenger seat so located as to be between the point of engagement with the undulatory track and the pivotal mounting on the arm whereby the cars are maintained in engagement with the undulatory track, the forward end of said car being projected beyond the point of pivotal support on the arm to form the upper jaw of a pictorial representation of an animal, and a stationary forwardly projecting member on the arm to constitute the lower jaw of the animal, whereby as the car rocks the animal's jaws will be caused to open and close.

1,734,065. GRINDING, SMOOTHING, AND POLISHING APPARATUS. STÉPHAN WEDDITS, Avelais, Belgium. Filed Jan. 13, 1928. Serial No. 246,488. 14 Claims. (Cl. 51-240.)

1. In an apparatus for grinding, smoothing and polishing plate glass, sheet glass and other materials, including members always performing the same work, the combination of movable tables arranged one after the other, means for moving said tables in a continuous manner beneath said members, the said tables being grouped in two rows, arranged one near the other so that the end of one row is near the beginning of the other, and means for transport-

ing the tables leaving one row to the entrance of the neighboring row; the said transporting means including

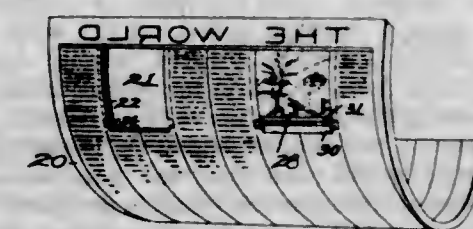


a transfer frame and a device which delivers to said frame the table leaving one row of tables, at a higher speed than that of said row.

1,734,066. METHOD OF TREATING SULPHUR. EDWARD F. WHITE, Rochester, N. Y. Filed Apr. 7, 1926. Serial No. 100,275. 13 Claims. (Cl. 23-227.)

1. The method of refining sulphur which consists in vaporizing the sulphur, subjecting the vapor to mechanical shock to cause condensation of a portion thereof, and then cooling the remainder.

1,734,067. LATE NEWS DEVICE. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 4, 1923. Serial No. 655,774. 4 Claims. (Cl. 101-374.)

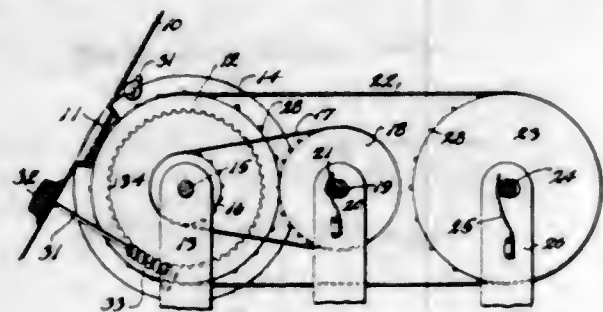


1. As an article of manufacture, a stereotype printing plate having a cavity for late news slugs, said cavity having opposite parallel recesses on the rear side and ledges in front of them, whereby slugs with ends depressed below the printing surface can be inserted behind said ledges, said ledges having a pair of opposite openings all the way through them near one end through which the slugs and a locking means therefor can be inserted from the front.

1,734,068. RADIO DIAL CONTROL. HENRY A. ZIOLA, Toledo, Ohio. Filed Apr. 5, 1928. Serial No. 267,591. 4 Claims. (Cl. 40-96.)

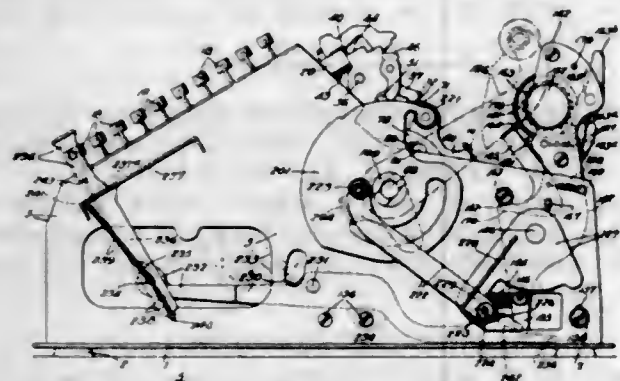
1. In a radio dial control, a wheel member, means for rotating the wheel member, an endless band having inter-

locking contact with said wheel member and provided with indicia, a wave controlling means, a reduced pinion secured to the shaft of said wheel member, a larger pinion



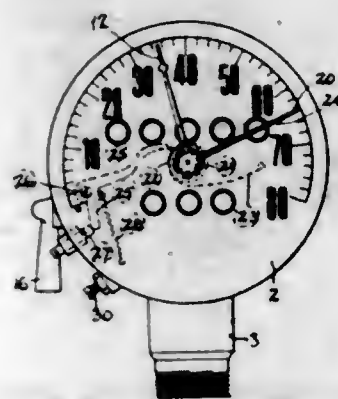
secured to the shaft of the wave controlling means a drive connection of the said pinions, and means for separating said pinions to maintain proper relation of the driving connection.

1,734,069. LISTING MECHANISM FOR ADDING MACHINES. GLENN J. BARRETT, Evanston, Ill., assignor to Portable Adding Machine Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 14, 1925, Serial No. 50,219. Divided and this application filed Aug. 31, 1927. Serial No. 216,672. 26 Claims. (Cl. 101-98.)



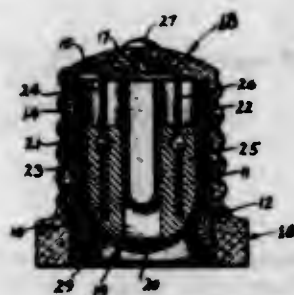
1. In a key-set adding and listing machine, the combination of a main frame, a general operator for the machine, numeral keys, a plurality of type segments mounted on the main frame, numeral types rigidly affixed to said segments and normally facing toward the rear of the machine, means whereby said segments are differentially moved from normal position in accordance with the setting of the numeral keys to present selected types side by side with their faces in a printing-plane inclined downward and rearward and then restored to normal position upon actuation of the general operator, a casing for the machine having a top wall the rear portion of which extends downward and rearward and is provided with an aperture through which types in the printing plane are exposed, a platen located above said aperture and movable therethrough against types in the printing plane, an inked ribbon feeding mechanism mounted on the downward and rearward extending top wall portion of the casing adjacent one side of said aperture, a ribbon guide mounted on said top wall portion of the casing above said aperture and projecting over said aperture for supporting a portion of the ribbon over the printing plane of the types and in a plane substantially parallel with the printing plane, a rocking support mounted on the main frame and extending up through said aperture and in which the platen is journaled, means operable from the general operator for rocking said support to swing the platen forward and downward through said aperture against types in the printing plane, means for actuating the ribbon feeding mechanism from the platen support, and line-spacing means for rotating the platen operable by rocking movements of the platen support.

1,734,070. SPEED-INDICATING MECHANISM. MELCHIOR BELLER and CARL F. BAUER, Cleveland, Ohio, assignors to The Dual Speedometer Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 25, 1928. Serial No. 249,374. 12 Claims. (Cl. 116-57.)



1. In a speed indicating device, the combination of a maximum hand, a casing enclosing the same, a manual lever operable from without the casing and extending as a dog for retaining said hand, and a spring for normally holding such dog in engagement to retain the hand.

1,734,071. CIRCUIT-CONTROLLING DEVICE. JACOB L. BLALACK, Los Angeles, Calif. Filed July 18, 1927. Serial No. 206,401. 7 Claims. (Cl. 200-142.)

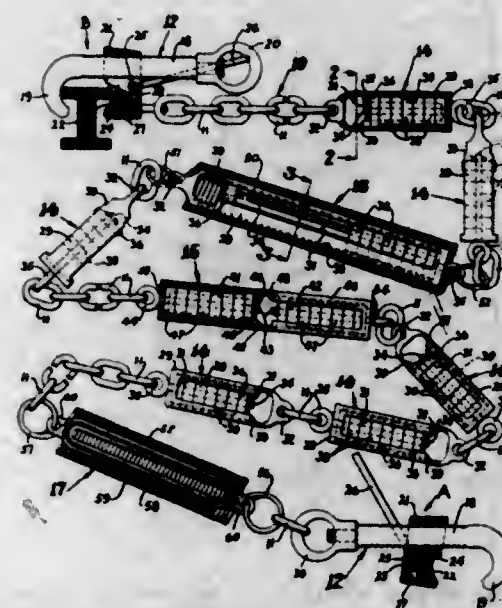


1. In a circuit controlling device, a body portion, screw threads molded integral with said body portion, a groove in said body portion traversing said threads, a recess in said body portion, said body portion being provided with an aperture in one end communicating with said recess, said body being provided with another aperture communicating with said recess and with said groove, said body being provided with a third aperture, an electrical conductor element in said recess, a portion of said electrical conductor element extending through said first mentioned aperture and connected to a center contact member, another portion of said element extending through said second mentioned aperture and having a part positioned in said groove and having another part inserted in said third aperture.

1,734,072. TOWLINE. JACOB L. BLALACK, Los Angeles, Calif. Filed Sept. 6, 1927. Serial No. 217,548. 5 Claims. (Cl. 280-33.14.)

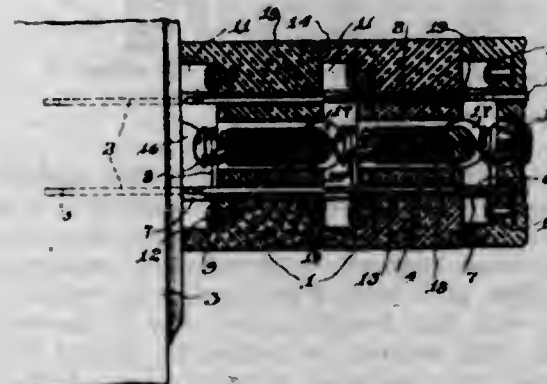
1. In combination with a tow line, means for absorbing the shocks in said tow line, said means including an extensible shock absorbing link interposed in said tow line, said shock absorbing link comprising concentric ele-

ments having means at each end thereof engaging said line, and resilient means arranged within said link asso-



ciated with said shock absorbing link to limit the extension thereof when said link is stretched to a predetermined length.

1,734,073. MULTIPLE ATTACHMENT PLUG. ALLEN A. CANTON and HAROLD BECHER, New York, N. Y. Filed May 31, 1928. Serial No. 281,863. 7 Claims. (Cl. 173-334.)

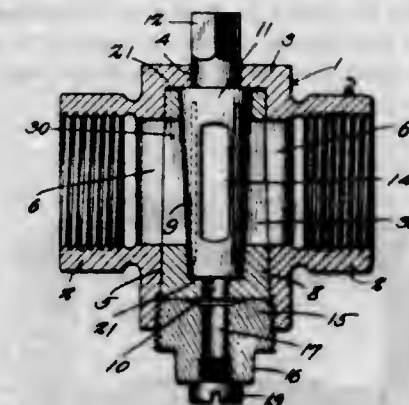


1. In a series of attachment plugs of the class described, each of said plugs consisting of a body member having a set of contact blades including binding posts, said contact blades having an offset portion near the base so the ends of the blades of the adjacent plug can resiliently contact therewith, said contact blades fastened to the body portion in a cavity by rivets, said offset portion being flush with the top edge of said cavity, a semi-circular groove at the base of each plug and a semi-circular groove formed in the wall of said cavity so that when two plugs are fastened together the said semi-circular grooves will form a circular opening for the conductor to enter, and a central longitudinal opening in each of said plugs for the said conductor to pass through and be connected to the binding posts of said contact blades.

1,734,074. SHUT-OFF DEVICE. JEFFERSON C. CARNER, Marietta, Ohio. Filed June 30, 1928. Serial No. 289,458. 1 Claim. (Cl. 251-113.)

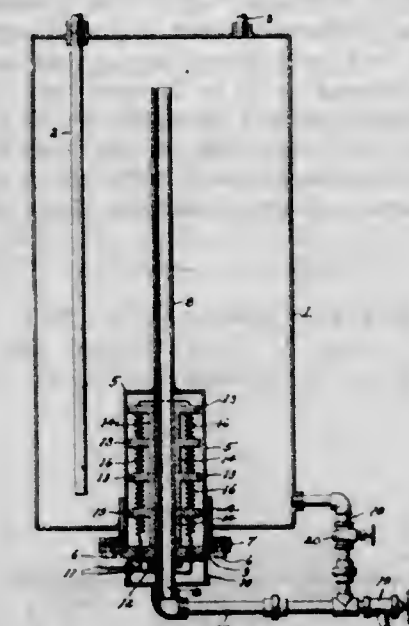
In a device of the class described, a body having an integral end wall and provided with a tapered bore, the smaller end of the bore being at the end wall, a tapered

sleeve engaged tightly in the bore of the body and having a bore which tapers oppositely to the bore of the sleeve, a tapered valve engaged tightly but rotatably in the bore of the sleeve and having an operating stem extended outwardly through the integral end wall of the body, a pres-



sure member threaded into the body, the pressure member being disposed opposite to the aforesaid end wall and engaging one end of the sleeve, the pressure member and the sleeve having cooperating drainage passages, and a closure for the drainage passage of the pressure member.

1,734,075. WATER HEATER. HERBERT W. CHRISTIAN, Windsor, Ontario, Canada. Filed Sept. 14, 1928. Serial No. 305,892, and in Canada Sept. 16, 1927. 2 Claims. (Cl. 219-39.)

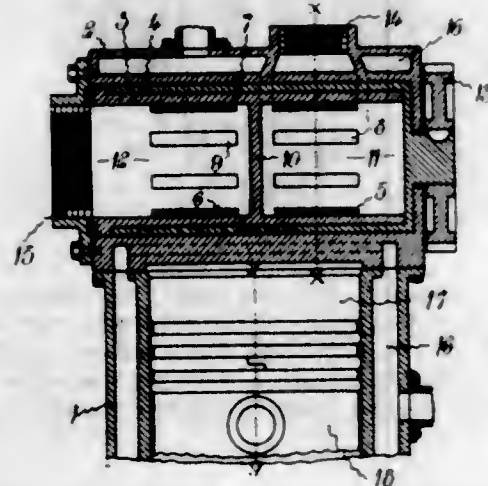


1. A water heater comprising a water receptacle having an opening in the bottom thereof, a bushing secured in said opening, a tubular casing detachably mounted in said bushing and extending into said receptacle with its inner end closed and its outer end open, a water circulating pipe extending axially of said casing and extended through and secured to the inner closed end of the casing, a water conduit connecting the outer end of said pipe and the lower part of said receptacle, an electric heating unit sleeved upon the said pipe within the casing and including a disk forming a closure for the outer open end of the casing, and means on the pipe for detachably securing said unit in place upon said pipe, with its disk closing the outer end of the casing.

1,734,076. INTERNAL-COMBUSTION ENGINE. CARL MARTIN CLEMENTSON and STEN OLA HEINRICH CLEMENTSON, Malmö, Sweden. Filed Aug. 24, 1927. Serial No. 215,202, and in Sweden Sept. 23, 1924. 3 Claims. (Cl. 123-190.)

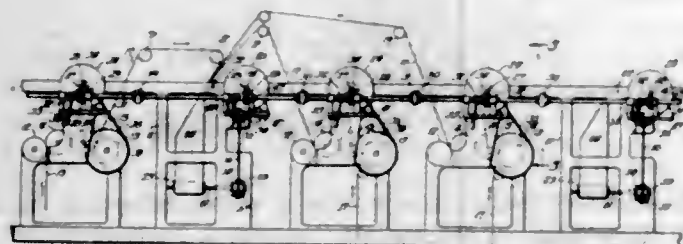
1. In an internal combustion engine, a valve structure for a single cylinder comprising, in combination, a head

individual exclusively to the cylinder and provided with a cylindrical seat, a horizontal valve sleeve rotatably mounted in said seat and having one end closed, a hollow stationary core member secured to the cylinder head and fitting conformably within said sleeve, a partition wall within the core member dividing the same into two compartments, one of which is closed at its outer end by the closed end of the sleeve, while the other is in communication at its outer end with the exhaust pipe, and means



disposed laterally with relation to the cylinder head for introducing fuel thereinto; said core member and said seat each having a large number of ports therein arranged in alignment, and said sleeve having the same number of ports so arranged as to be brought into register with the first-mentioned ports a large number of times during each rotation of the sleeve, the various ports being divided into two groups arranged one at each side of the partition wall, each series conjointly forming a single port of large total area.

1,734,077. DRIVING MECHANISM FOR PRINTING PRESSES. ALLAN J. CLINE, Chicago, Ill. Filed May 25, 1928. Serial No. 230,550. 20 Claims. (Cl. 270-5.)

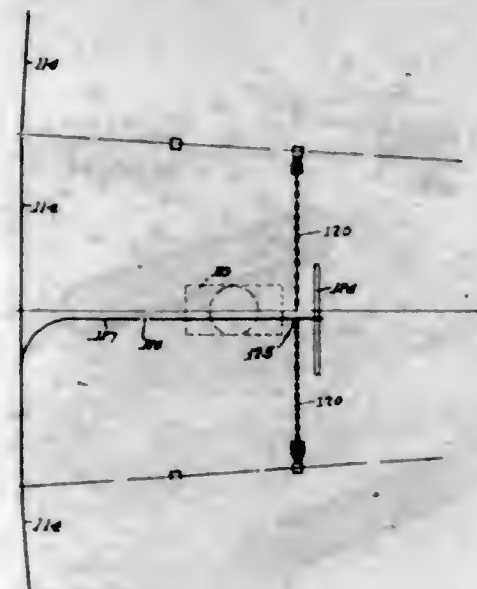


1. A printing press comprising a printing unit, a motor drive individualized to said unit, a folder, a motor drive individualized to said folder, and means other than said drives for equalizing said motors.

1,734,078. LOCOMOTIVE DRAFTING PLANT. FRANK H. C. COPPUS, Worcester, Mass., assignor to Anna M. C. Wechsberg, Vera L. Wood, and Frank H. C. Coppus, trustees, Worcester, Mass. Original application filed Sept. 14, 1925, Serial No. 56,113, Patent No. 1,669,455, dated May 15, 1928. Divided and this application filed June 13, 1927. Serial No. 198,510. 20 Claims. (Cl. 104-52.)

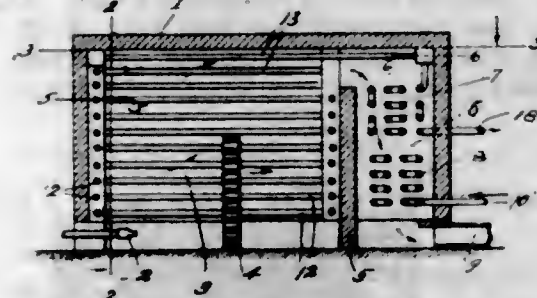
1. In a locomotive roundhouse, the combination with the smoke jacks, of a main track, a series of spurs extending inwardly from the main track to the several stalls

of the roundhouse under the smoke jacks, a series of pivots connecting the spurs with the main track so that the



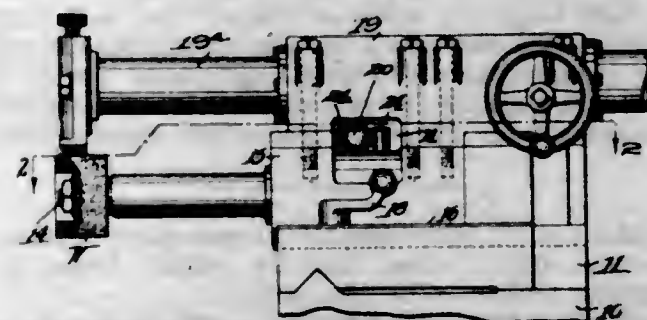
spurs can be swung about in a horizontal plane, and a portable blower supported by and movable along the track and any of the spurs.

1,734,079. HEATER. WALTER M. CROSS, Kansas City, Mo. Filed Feb. 16, 1925. Serial No. 9,439. 9 Claims. (Cl. 196-116.)



6. In the process of heat treating a fluid medium in a tubular heater, the improvement which consists in heating the fluid medium in three stages, in the first of which fluid containing tubes are subjected to the countercurrent heating effect of heating gases previously cooled in the two succeeding fluid heating stages, and in the second of which the fluid medium is heated by radiant heat absorbed from the combustion chamber of the furnace and the highly heated combustion gases, and in the third stage the fluid containing tubes are subjected to a parallel current heating effect by heating gases previously cooled in the second fluid heating stage.

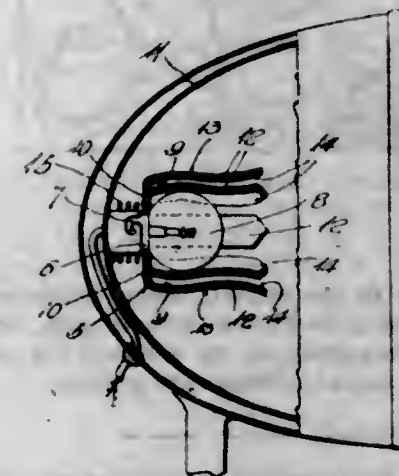
1,734,080. GRINDING-WHEEL SLIDE AND ADJUSTING MECHANISM THEREFOR. ALDEN M. DRAKE, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed Jan. 30, 1928. Serial No. 84,917. 3 Claims. (Cl. 51-31.)



2. In a grinding machine having a frame, in combination, a grinding wheel, a wheel shaft, a slide for said

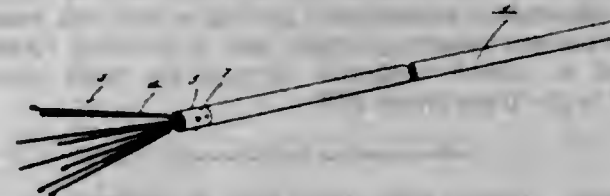
wheel and shaft, said slide being capable of movement in said frame axially of said shaft and having a transverse recess therethrough, manual means to vary the adjusted axial position of said wheel slide, and means to hold said slide in fixed axial position in said frame, said slide having spaced contact studs mounted thereon and positioned in said recess, said manual adjusting means comprising a lever pivoted at the rear of said wheel slide and extending thereacross through said recess to the front of said frame, said wheel slide being engaged by said lever for axial movement thereby manually in either direction when said holding means is released.

1,734,081. HEADLIGHT ANTIGLARE DEVICE. ISAAC S. DRAPER, Sullivan, Ind. Filed July 23, 1928. Serial No. 294,811. 2 Claims. (Cl. 240-48.6.)



1. In combination with a headlight having a reflector and a bulb; a disk having a central opening through which the usual neck of the bulb passes, said disk having a reflecting surface at its front and being provided also with openings exposing portions of the reflector behind said disk, means for holding said disk upon the bulb neck, and a plurality of circumferentially spaced reflector shielding fingers integral with the peripheral edge of the disk and projecting forwardly therefrom around the bulb, said fingers being of a length greater than the usual glass portion of the bulb and projecting forwardly beyond the foremost part of the latter, said fingers being diametrically spaced a distance greater than the diameter of said glass portion of the bulb and being hence outwardly spaced in their entirety from said glass portion, the outer sides of said fingers being provided with a dark light-mellowing coating, the inner sides of said fingers having a coating of light color which will not materially reduce the light volume but will prevent reflection of glaring rays.

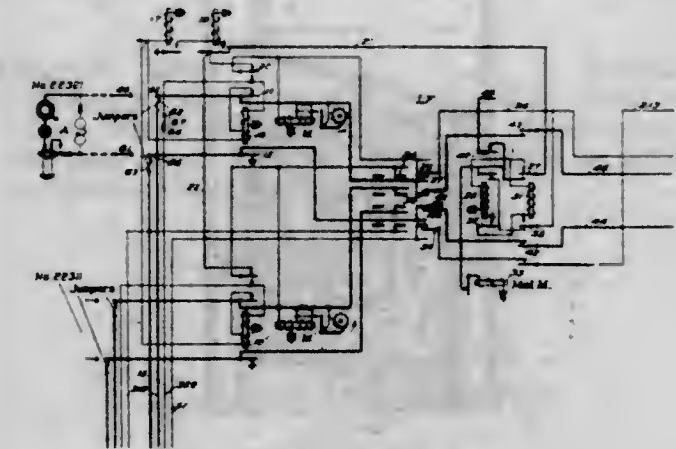
1,734,082. ANIMAL-POKING IMPLEMENT. ELMER W. FARLIN, Spencer, Nebr. Filed May 31, 1928. Serial No. 281,718. 1 Claim. (Cl. 119-1.)



An animal poke comprising a handle, a plurality of prong members disposed in diverged relation at one end of the handle, said members being constructed of spring material and bent at their free ends against themselves to provide blunt ends.

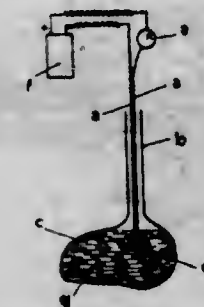
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1,734,083. AUTOMATIC TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Chicago, Ill. Filed Sept. 1, 1927. Serial No. 216,862. 36 Claims. (Cl. 179-18.)



1. In a telephone system, fixed connective terminals, a movable connective terminal for cooperation with a random one of said fixed terminals, a called line individual to each said fixed terminal, an automatic progressively movable selective switch common to said fixed terminals, and means including the said switch, operated responsive to cooperating the said movable terminal with a random one of said fixed terminals, for extending a connection from the said movable terminal to the specific called line individual to the cooperated fixed connective terminal.

1,734,084. DEVICE FOR INVESTIGATING AND ASCERTAINING THE DIGESTIVE ACTION OF THE STOMACH AND THE CHANGES OF ITS CONTENTS. CARL FUNCK, Cologne-on-the-Rhine, Germany. Filed Mar. 18, 1929, Serial No. 884,091, and in Germany May 18, 1928. 8 Claims. (Cl. 174-89.)

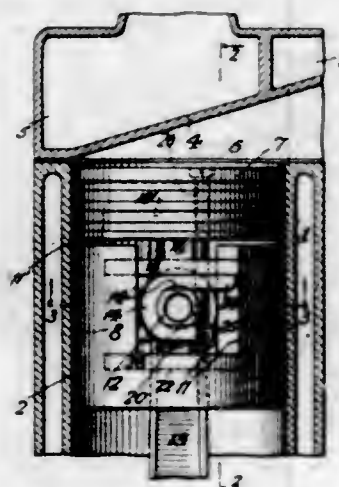


1. A device for investigating and ascertaining the digestive action of the stomach and the changes of its contents, comprising, in combination, an electric probe or stylet adapted to be introduced into the stomach, an exterior circuit into which said probe or stylet is inserted, a source of current and an instrument both also inserted into said current, said instrument being adapted to measure the variations taking place in the current in consequence of the action of the contents of the stomach, substantially as set forth.

1,734,085. REMOVABLE PISTON. PERCIVAL FREERLAND GODSTAY, New York, N. Y., assignor to Quickin Piston Company, Inc., a Corporation of New Jersey. Filed Feb. 29, 1928, Serial No. 257,923. Renewed Nov. 15, 1928. 7 Claims. (Cl. 74-103.)

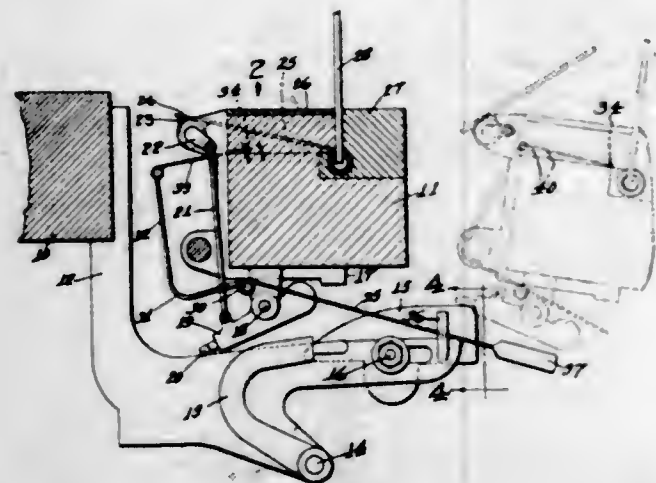
1. In combination, a connecting rod, a wrist pin, a piston provided with means adapted to support said wrist

pin within said piston, said means having open sides facing in opposite directions whereby said piston may be con-



nected to, or disconnected from, said wrist pin by a turning movement thereof, and means for locking said wrist pin in said supporting means.

1,734,086. LINT CLEARER FOR FILLING STOP MOTIONS. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 24, 1928. Serial No. 264,403. 18 Claims. (Cl. 139-379.)

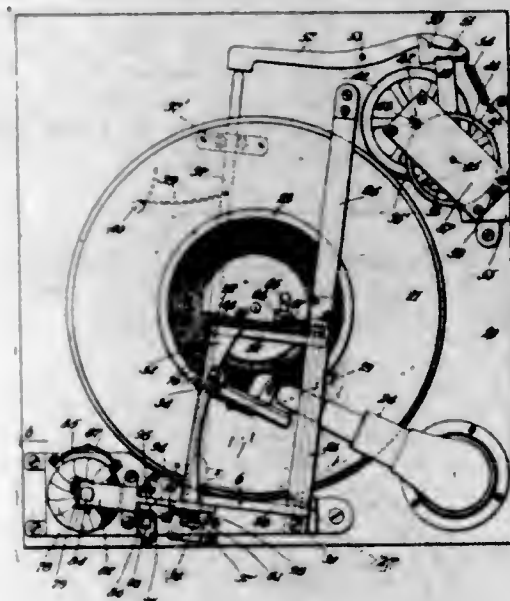


1. In a lint clearing device for a filling stop motion for a loom having a lay provided with a transverse well in the upper portion thereof into which the tines of a detecting filling fork move by a downward motion to assume a horizontal position, means movable back and forth in the well below the tines when the latter are supported by filling to clear said well of objectionable accumulations, and mechanism operated by the back and forth motion of the lay to move said means.

1,734,087. TALKING MACHINE. ADOLPH C. HANSEN, Chicago, Ill. Filed Aug. 1, 1928. Serial No. 290,711. 17 Claims. (Cl. 192-124.)

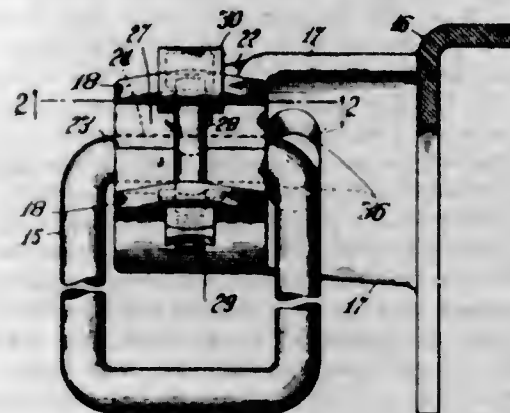
4. In a talking machine, including a record-carrying turn table, means for driving same, a movable tone arm carrying a needle and a pivoted frame-support for the tone arm, the combination of governor mechanism driven by the turn table, means operatively connected to said governor mechanism for lowering the needle into operative relation to the record, said last mentioned means including a movable control bar having a wedge-like surface at

one end, a rod vertically movable in a support, the lower end of the rod engaging said control bar and the upper end engaging the tone arm support, adjustable stop means actuated by the needle, an electric circuit including a



solenoid, a switch in the circuit, means actuated by the stop means for closing the switch in the circuit, and means actuated by the energizing of the solenoid for automatically restoring the parts to inoperative position.

1,734,088. BRAKE-HANGER-SUSPENDING MEANS. VICTOR H. HANBERT, Chicago, Ill. Filed July 11, 1928. Serial No. 291,925. 5 Claims. (Cl. 188-209.)

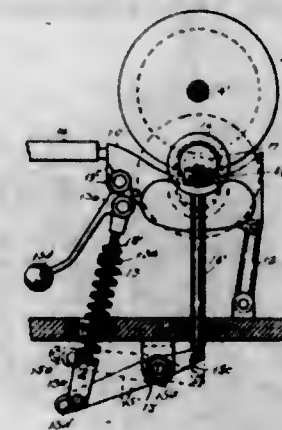


1. Brake hanger suspending means comprising, in combination with a truck frame having a laterally disposed arm, the outer end whereof is provided with a transverse pocket gradually increasing in vertical width toward the outer end of the pocket, a pair of superposed correlated keeper plates of gradually increasing thickness toward the outer longitudinal sides and provided on their matching faces with grooves extending longitudinally of the plates adapted to register and provide a link and hanger supporting pin receiving socket, and a retaining element adapted to extend vertically through the walls of the pocket in the truck frame arm.

1,734,089. PORTABLE IRONING MACHINE. MEAD HEDGECOCK, Syracuse, N. Y. Filed Nov. 17, 1927. Serial No. 233,906. 6 Claims. (Cl. 68-9.)

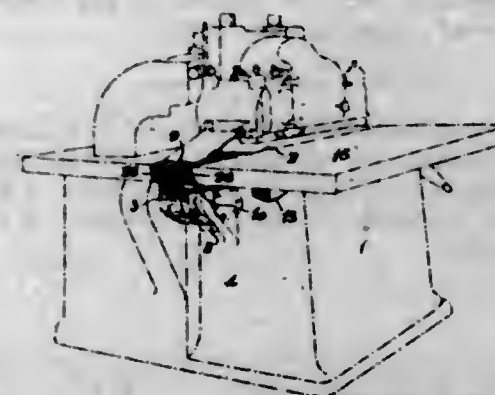
1. In combination with an ironing roll, a shoe cooperating with said roll, means depending from the rear of the shoe to pivotally mount same, a rock shaft underlying the shoe, a resilient device pivoted to and depending from the front of the shoe, means to connect said device

to the rock shaft; an eccentric device connected to the rock shaft, power means to drive the roll, means to operate the eccentric device from the power means thereby



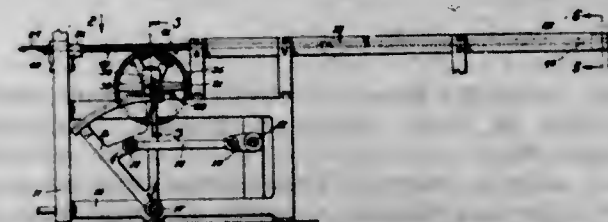
to move the shoe away from the roll, and foot actuated means to operate the means for operating the eccentric device

1,734,090. POWER CONTROLLED RIP-SAWING MACHINE. JAMES E. HIRST, Cincinnati, Ohio, assignor to The J. A. Fay & Ryan Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 9, 1929. Serial No. 353,770. 5 Claims. (Cl. 144-128.)



2. In a material cutting machine of the class described, the combination of a frame, means for feeding the work to be cut therethrough comprising an endless conveyor chain extending horizontally across the top of said frame, thence downwardly over a sprocket wheel and rearwardly therefrom and through the frame, a table for said frame cut away at the rearward end thereof and adjacent said chain, an arm pivotally and angularly mounted beneath said table and having a shelf, the upper surface of which shelf is flush with the upper surface of said table, and means for normally supporting said shelf in the opening of said table, said means comprising a weighted segment integrally attached to said arm.

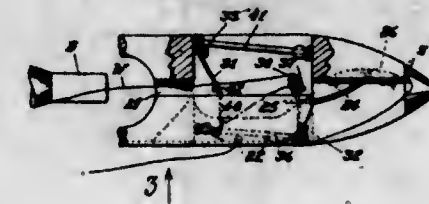
1,734,091. NEEDLE MOTION FOR AXMINSTER LOOMS. ELBRIDGE E. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 16, 1927. Serial No. 233,712. 12 Claims. (Cl. 139-124.)



1. In a needle motion for an Axminster loom having a rigid web laying needle moving in a substantially fixed

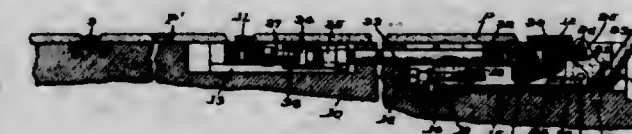
path to be inserted into and withdrawn from the shed of the loom, flexible actuators operatively connected one to each end of the needle, a drum to which the flexible actuators are attached, and means to simultaneously oscillate said drum about its center and move the same longitudinally of its axis.

1,734,092. LOOM SHUTTLE. ALLAN S. HUTCHINS, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 8, 1927. Serial No. 223,548. 6 Claims. (Cl. 139-215.)



1. A self-threading loom shuttle having a longitudinal passage was a slot and delivery eye connected therewith, a pair of tension arms mounted in said shuttle and extending into said passage to engage the weft therein, means to move said arms yieldingly apart to take up slack weft, and means to guide said weft on insertion in said shuttle automatically about said tension arms and through said slot and delivery eye, said latter means being rendered effective by the movements of the shuttle in the loom.

1,734,093. PLATE-LOCKING DEVICE. HANS C. JORDAN, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Feb. 20, 1925. Serial No. 10,622. Renewed Apr. 6, 1929. 10 Claims. (Cl. 101-878.)

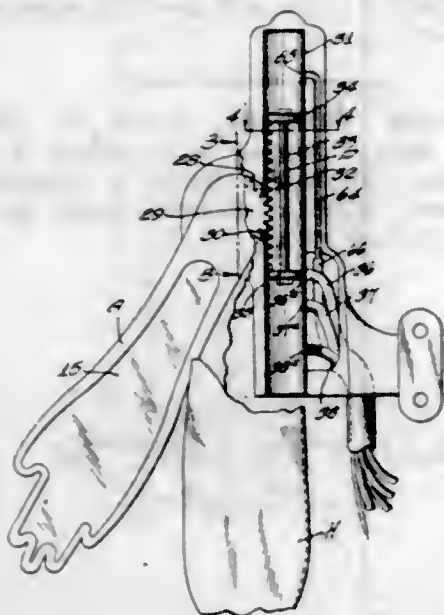


1. In a plate clamp for a printing cylinder, the combination with a clip for engaging the edge of a plate, of a pivoted operating handle adapted to operate the clip a full stroke, and lock the plate, by a single rocking motion of the handle in one direction, a spring always tending to hold the handle in locking position, and a stop for positively holding the spring compressed when the clip is unlocked.

1,734,094. DIRECTION SIGNAL. GEORGE MACKEY, Los Angeles, Calif. Filed Jan. 30, 1928. Serial No. 250,551. 1 Claim. (Cl. 116-39.)

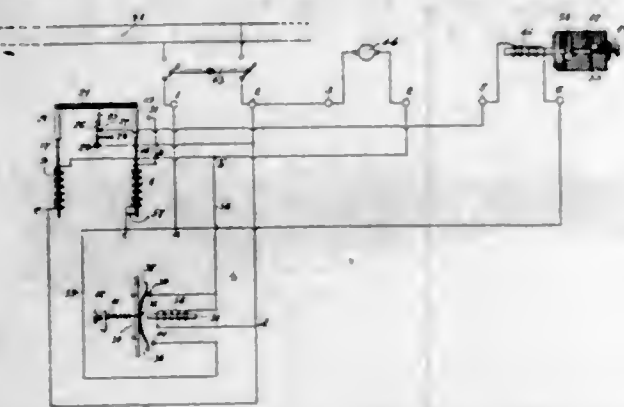
In a direction signal, a semaphore, a cylinder, a piston operatively connected to the semaphore and movable in the cylinder to cause the semaphore to occupy any one of several signalling positions, vacuum-producing means for actuating the piston having a plurality of connections with the cylinder at different points and at opposite sides of the piston to effect different degrees of movement of the piston in either direction, means admitting air at atmospheric pressure to that side of the piston opposite the side at which the vacuum is produced, and a valve for

controlling both of said means and having a casing and a valve body provided with ports so positioned therein and in respect to each other that by manipulation of the



valve body the vacuum-producing means is connected to one side or the other of the piston while the means for admitting air to the cylinder is connected to the opposite side of the piston.

1,734,095. APPARATUS FOR CONTROLLING OIL-BURNER PILOT FLAMES. ALVIN S. MANCIE, Somerville, Mass., assignor to Howard C. Jones, Watertown, Mass., and Everett W. Manter, Taunton, Mass., Co-partners, doing business as Jones & Manter, Boston, Mass. Filed Feb. 28, 1927. Serial No. 171,559. 2 Claims. (Cl. 158-28.)

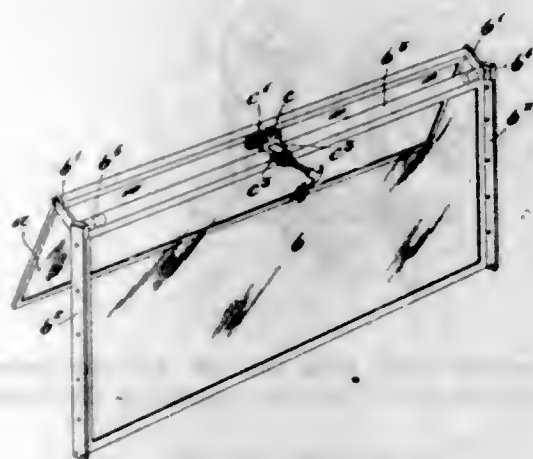


2. An apparatus of the class described, a pilot-flame valve, a motor, a pair of heating coils, a bi-metal strip mounted in each of said coils, a circuit for said motor controlled by one of said bi-metal strips means whereby one of said heating coils is short-circuited after the strip enclosed therein has reached a certain temperature, connections whereby the second heating coil is energized upon the short-circuiting of the first, and means for preventing the energization of the first coil after the energization of the second.

1,734,096. GLARE VISOR OR SUN SHIELD. GEORGE HAROLD PEARCE, Worcester, England, assignor, by mesne assignments, to himself and Arthur Edward Ernest Jones, Worcester, England. Filed Oct. 12, 1928, Serial No. 311,989, and in Great Britain July 10, 1928. 1 Claim. (Cl. 296-95.)

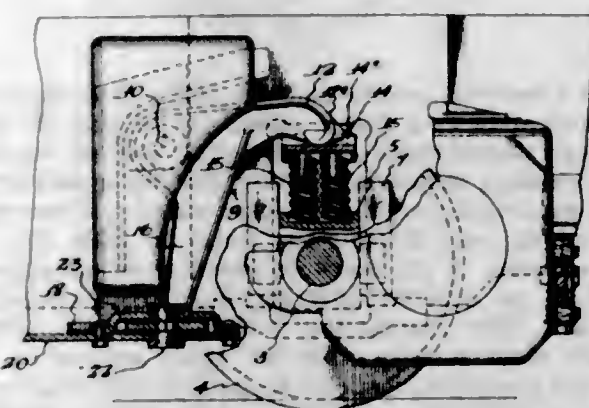
A glare visor tiltably suspended in front of a windscreen, a shaft connected thereto, an attachment plate adapted for attachment to a head fitting of the vehicle, a

lug thereon lending support to the visor, perforated bifurcations on said attachment plate, a housing pivotally mounted in an upper tubular part of the windscreen between the aforesaid bifurcations, a solid pin passing through the perforations in the bifurcations constituting



a pivot for the housing, a split cone member through which the shaft is adapted to slide, said cone member having a non-rotary engagement with the shaft, and a screw-thread engagement with the interior of the housing, as well as a conical engagement therewith.

1,734,097. LOCOMOTIVE OR TRUCK. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 21, 1928. Serial No. 263,245. 5 Claims. (Cl. 105-82.)

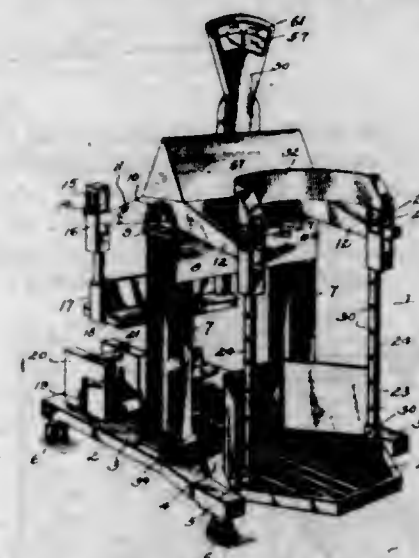


1. In a car, a frame, an axle having supporting wheels, and an equalizing device comprising a pair of rocking members, each pivotally mounted on opposite sides of the frame and affording a vertically movable support for one end of said axle, and a rocking member movable in a horizontal plane connecting said first mentioned rocking members together.

1,734,098. SCALE. WALTER S. SMITH, Columbus, Ohio. Filed July 29, 1927. Serial No. 209,350. 7 Claims. (Cl. 265-53.)

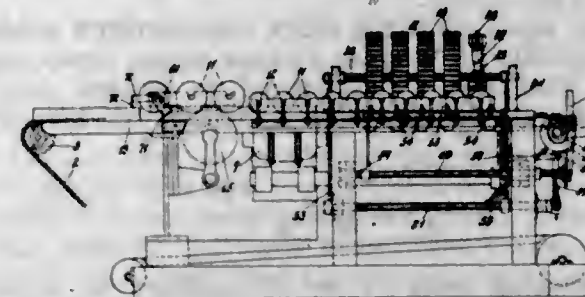
1. In a scale, a frame, an even balance beam mounted on said frame and adapted to carry a weight receiver at its opposite ends, an indicator having graduations for indicating pounds and ounces, a pair of springs located near one of the outer ends of said beam, one of said springs

being positioned above and the other below said beams and normally spaced therefrom, said springs serving to offer



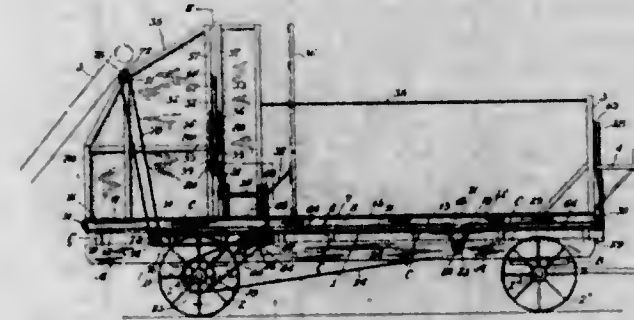
increased resistance to the beam at its extreme point of oscillation, which resistance is measured by the pound graduations of said indicator.

1,734,099. SIZING SAW. VERNON A. SMITH, Berkeley, and CHARLES BACKMAN, Oakland, Calif. Filed July 15, 1924. Serial No. 726,099. 18 Claims. (Cl. 143-48.)



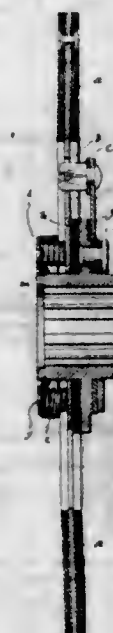
1. A sizing machine comprising a conveyor, cutters adjacent said conveyor, a cross conveyor positioned at an angle to said first named conveyor, cutters adjacent said cross conveyor, and transfer means adapted to act upon the work to move it from the first conveyor to the cross conveyor, said cross conveyor comprising a plurality of pairs of super-imposed conveyors, and means to separate said conveyor pairs prior to the transfer.

1,734,100. HAY LOADER. GEORGE ERNEST STROUP, Homer Township, Ohio. Filed May 18, 1927. Serial No. 192,302. 12 Claims. (Cl. 214-65.)



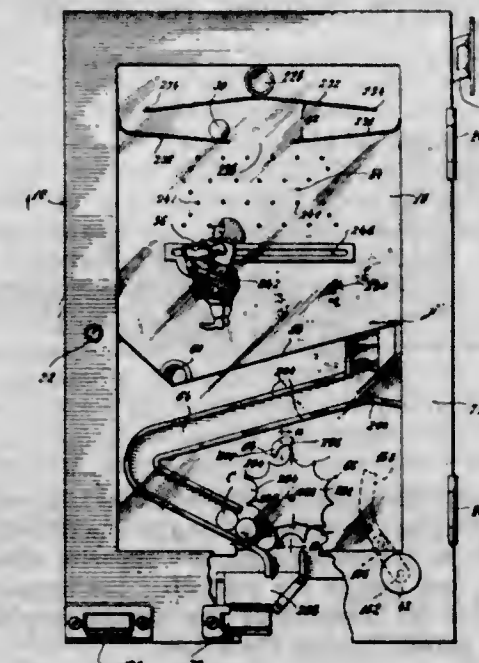
1. A hay-loader comprising a wagon including wheels and a frame; a flexible apron support; means for moving said apron forwardly and rearwardly of the frame including transmission elements adapted to be driven by one of said wheels; spreading and packing arms projecting interiorly of said frame; means actuated by the movements of one of said wheels for reciprocating said arms transversely of the frame; and clutch members controlling the operation of said apron-moving means.

1,734,101. CLUTCH. ERNEST E. WEMP, Detroit, Mich. Filed Jan. 14, 1927. Serial No. 161,031. 5 Claims. (Cl. 192-68.)



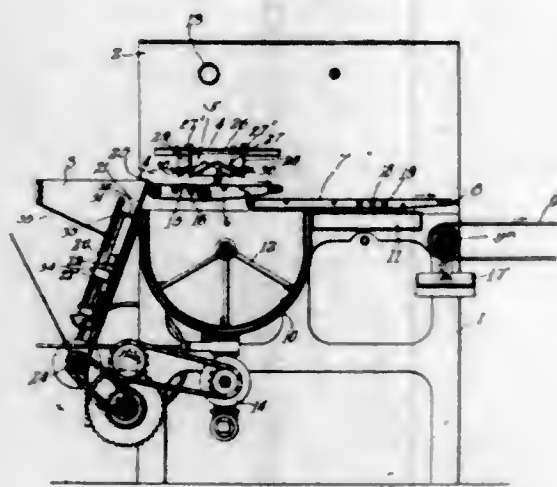
1. In a clutch, the combination of a clutch member, a second clutch member on which the same is mounted, and a coupling member for limiting the relative movement comprising a spider provided with torsion arms which are twisted by a sudden change of load, to thereby limit the amount of relative movement and store up energy to return the parts to their initial position when the load is relieved.

1,734,102. COMBINED VENDING AND AMUSEMENT MACHINE. MARK WOLIN, Brooklyn, N. Y., and NICHOLAS F. RIBSAM, Jersey City, N. J. Filed Sept. 16, 1927. Serial No. 219,850. 14 Claims. (Cl. 194-2.)



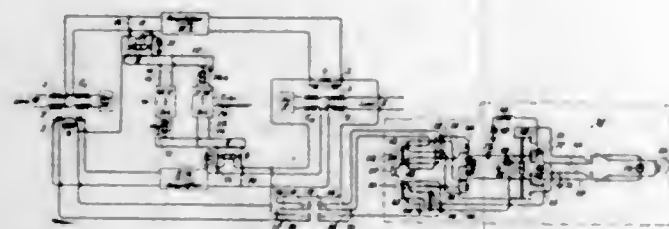
1. The combination with vending mechanism, of a dexterity and skill testing device comprising an approximately spherical ball, coin controlled means for initiating movement of said ball, manually operable means for elevating said ball, means co-acting with said manually operable means and said coin for actuating said vending mechanism, means for rendering the path of the ball irregular after elevation thereof, manipulative means for diverting the ball from its normal path, a pronged wheel, and means normally locking said wheel released by the diverted ball.

1,734,103. COATING MACHINE. FRANK H. WOOLF, Elgin, Ill., assignor to Savage Bros. Co., Chicago, Ill., a Corporation of Illinois. Filed May 21, 1924. Serial No. 714,959. 2 Claims. (Cl. 91—3.)



1. In a coating machine, a receptacle having a discharge opening for coating material, conveyor means therebelow to receive the articles and move them past said opening, a rotary shaft non-circular in cross-section engaging said carrier means to vibrate the same vertically so as to shake off the excess coating from said articles, and rods engaging said carrier means and adjustably vertically to move the same relatively to said non-circular shaft so as to control the amount of said vibratory movement.

1,734,104. TWO-WAY TRANSMISSION WITH REPEATERS. SUMNER B. WRIGHT, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 17, 1926. Serial No. 123,146. 5 Claims. (Cl. 178—44.)

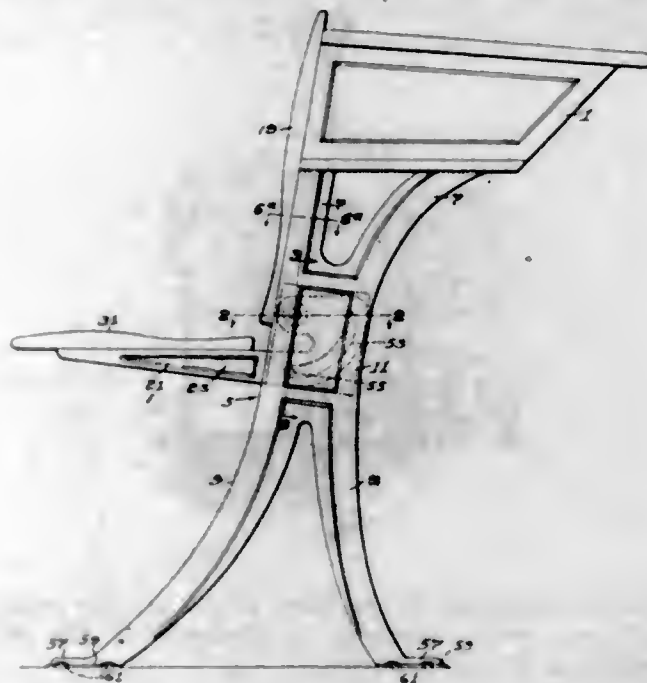


5. In a telephone system, a repeater, an echo suppressor adapted to suppress waves travelling in one direction when conversation is transmitted in the opposite direction, a transmitter, and means for rendering the suppressor inoperative and for associating the transmitter with the repeater to permit talking therefrom.

1,734,105. COMBINATION SCHOOL DESK AND SEAT STANDARD. EUGENE C. AMSDEN, Boston, Mass., assignor to Amstden & Barnard, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 6, 1925. Serial No. 48,495. 4 Claims. (Cl. 155—194.)

1. In a standard, a single piece of sheet metal formed to provide a channel-shaped body, angle-shaped legs projecting down from the body and having flanges in the plane of the back of the body and other flanges perpendicular to said plane and longitudinally tapered so that the lower

portions of said perpendicular flanges are materially wider than the upper portions of said flanges, and feet pressed



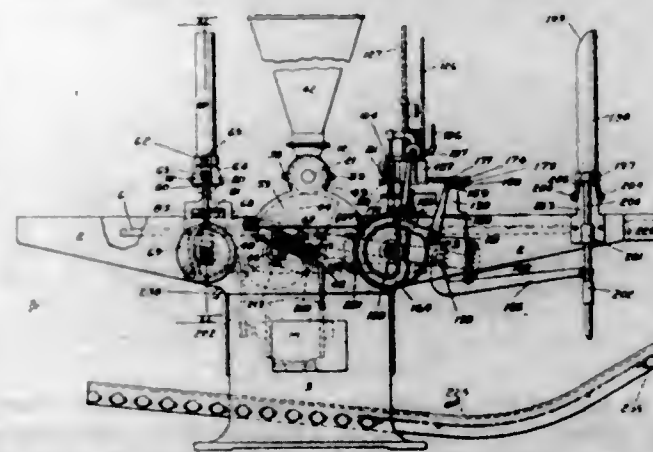
from the lower end portions of the flanges of said legs and of substantial width for resisting lateral tilting of the standard.

1,734,106. BLADED HIDE, SKIN, OR LEATHER WORKING MACHINE. WILLIAM FIELDER AYLES, Oxbey, England. Filed Dec. 7, 1923. Serial No. 679,059, and in Great Britain Oct. 24, 1923. 8 Claims. (Cl. 149—17.)



1. A scraping blade for use in machines for staking hides, skins, and pieces of leather having, in the plane of the blade, convexly curved portions of substantial convexity in alternation with non-convex portions of substantially the same length as the adjacent convexly curved portions.

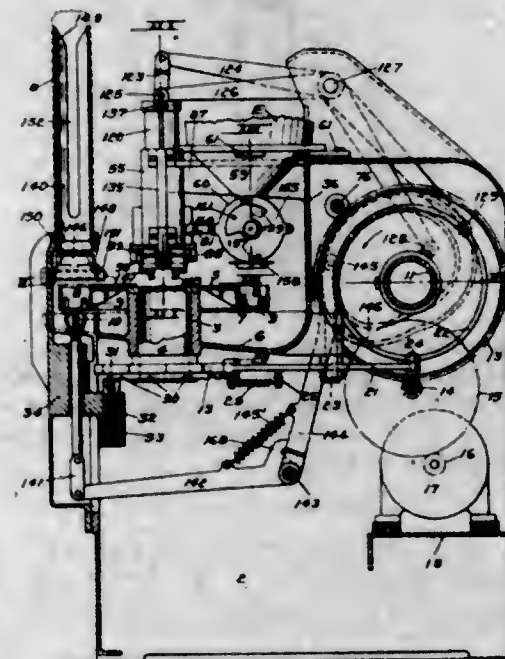
1,734,107. UNIT-MEASURING MACHINE. CHRISTIAN N. BERGMANN, Pittsburgh, Pa.; ELMER Z. TAYLOR, Newark, N. J.; and CYRUS TAYLOR, JOHN P. JENSEN, and WILSON A. FENN, Hartford, Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Apr. 4, 1925. Serial No. 20,696. 25 Claims. (Cl. 226—76.)



1. In a cup filling and capping machine, the combination of a frame having a longitudinal trackway, a cup depositor, a cup filler, and a capper located above the trackway at operating stations, a cup holding tray slidably mounted on the trackway having longitudinally spaced cup receiving cavities and a pawl, and a reciprocable shoul-

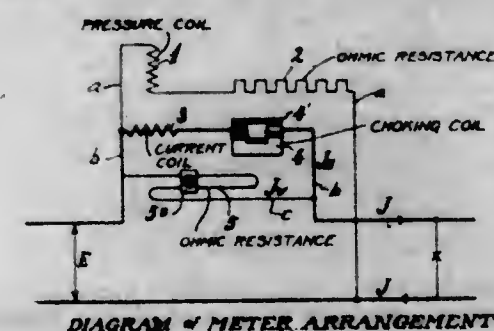
dered shift bar engageable with the pawl for intermittently moving the tray along the trackway to locate its cavities successively underneath the cup depositor, the cup filler, and the capper respectively, with correspondingly timed rest periods.

1,734,108. UNIT-MEASURING MACHINE. CHRISTIAN N. BERGMANN, Pittsburgh, Pa.; ELMER Z. TAYLOR, Newark, N. J.; and CYRUS TAYLOR, Hartford, Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed July 1, 1925. Serial No. 40,796. 9 Claims. (Cl. 226—76.)



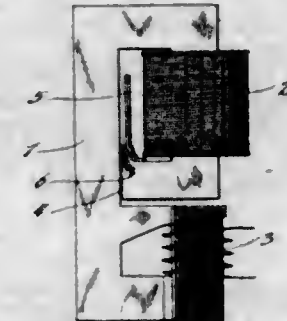
1. In a unit measuring and packaging machine, the combination with a supporting frame, of a horizontally arranged centrally pivoted rotatable turret having an annular series of uniformly spaced open bottom receptacle pockets arranged around the pivoting center and extending vertically through the turret, a superimposed cup depositor occupying a primary fixed station position, a superimposed unit forming device occupying a second fixed station position, a superimposed cover placing device occupying a third fixed station position, and a lower ejector arranged for upward removal of filled receptacles through the open bottom pockets occupying a fourth fixed station position with reference to the annular pockets of the turret, cam controlled means for periodically actuating the cup depositor, the unit forming device, the cover placing device, and the ejector when the turret is stationary, and cam controlled means for intermittently rotating the turret when said parts are inoperative.

1,734,109. WATTLSS COMPONENT METER. WILLI BRUSCH, Zug, Switzerland, assignor to Landis & Gyr A.G., Zug, Switzerland, a Limited Joint Stock Company of Switzerland. Filed Dec. 16, 1925. Serial No. 75,704, and in Switzerland Dec. 24, 1924. 7 Claims. (Cl. 171—309.)



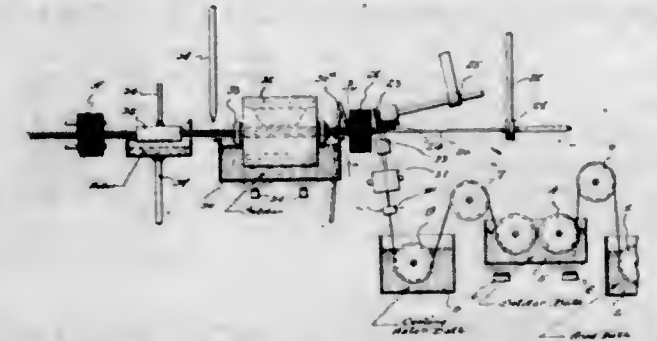
1. A wattless component induction meter including in combination a current coil, a choking coil in series with the current coil, and an ohmic resistance in parallel with the current coil and choking coil.

1,734,110. MEANS FOR CONTROLLING INDUCTION ELECTRICITY METERS. WILLI BRUSCH, Zug, Switzerland, assignor to Landis & Gyr A.G., a Limited Joint Stock Company of Switzerland. Filed Jan. 15, 1927. Serial No. 161,327, and in Switzerland Jan. 29, 1926. 2 Claims. (Cl. 171—284.)



1. In combination in an induction electricity meter a pressure electro-magnetic coil and core having a magnetic shunt circuit with an air gap and a bimetallic strip movable by temperature variations to modify the magnetic flux at the air gap.

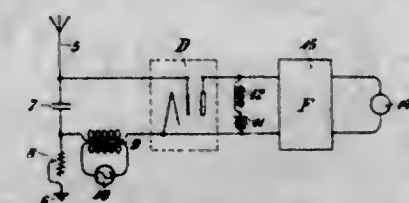
1,734,111. SPIRAL-FINNED TUBING AND METHOD OF MAKING SAME. HARRY W. BUNDY, Detroit, Mich., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich., a Corporation of Michigan. Filed June 20, 1927. Serial No. 200,273. 8 Claims. (Cl. 113—118.)



1. The method of making spiral-finned tubing, which consists in drawing flat strip stock from a supply, turning up one edge of the stock to form an upright portion leaving a horizontal portion, spirally winding the thus-formed stock with the adjacent convolutions of the horizontal portion overlapped to form the body of the tube, and with the upright portion projecting outwardly from the body of the tube to form an integral spiral fin on the tube, and then compressing the overlapped convolutions together.

6. A spiral finned tube which includes a tubular body formed by spirally wound strip stock formed into an angular cross section with portions of one of the legs of the angle overlapped and with the other leg of the angle projecting outwardly to form a spiral fin, the overlapping portions of the strip stock being pressed together to make the body of uniform double thickness, the stock of the overlapped leg being slightly offset to form a portion which underlies the succeeding convolution and overlies the preceding convolution.

1,734,112. RADIO RECEIVING SYSTEM. JOHN R. CARSON, Harmon-on-Hudson, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 6, 1921. Serial No. 498,730. 8 Claims. (Cl. 250—20.)



1. In a high frequency signaling system, an aperiodic receiving antenna adapted to receive high frequency oscillations.

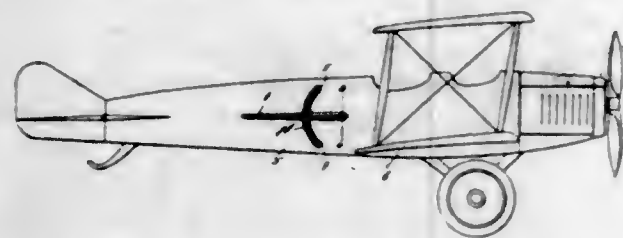
lations modulated in accordance with signal frequencies, a local source of high frequency oscillations, a detector on which the two oscillations are impressed, the input circuit of the detector being aperiodic, and means in the output of the detector for suppressing all frequencies substantially above the signal frequencies.

1,734,113. TELEPHONE REPEATER CIRCUITS. ALVA B. CLARK, Maplewood, and GEORGE CRISSEN, East Orange, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 5, 1926. Serial No. 127,444. 3 Claims. (Cl. 178-44.)



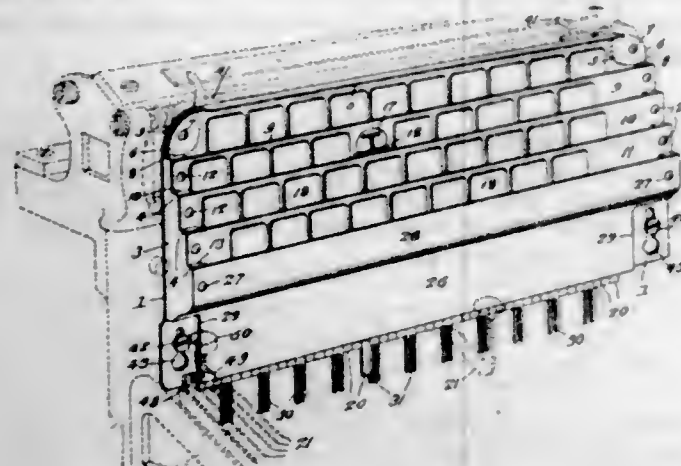
1. In a transmission line comprising repeaters, the method of reducing echo effects which consists in permanently introducing attenuation at a repeater and permanently stepping up the gain at that and the adjacent repeaters.

1,734,114. AEROPLANE. JAMES G. CONNOR, Harrisburg, Pa., assignor of one-third to Harry L. Reynolds and one-sixth to S. T. Hurlock, Jr., Harrisburg, Pa. Filed Nov. 26, 1928. Serial No. 322,076. 6 Claims. (Cl. 244-12.)



1. In an aeroplane, a fuselage, a main wing supporting structure, a pair of auxiliary wings one to each side of the fuselage to the rear of the main supporting wing structure, a shaft through the fuselage and through the entering edges of the auxiliary wings for rockably mounting said auxiliary wings, a sleeve rockably mounted on the shaft within the fuselage, a crank extending from said sleeve, a rod connecting the intermediate portions of the auxiliary wings and extending through arcuate guideway slots in the fuselage, a crank on said rod, a link connecting the crank, means for rocking the first mentioned crank for elevating or depressing the wings.

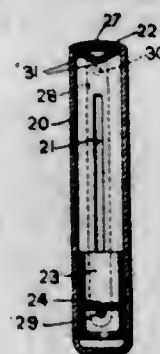
1,734,115. EDUCATIONAL DEVICE. ARTHUR V. COOPER, Sr., Rome, N. Y. Filed Sept. 7, 1927. Serial No. 218,015. Renewed May 31, 1929. 12 Claims. (Cl. 35-16.)



1. An educational device adapted for use on a typewriter embodying a plurality of characters corresponding

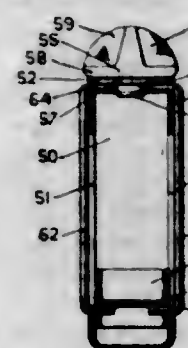
to and arranged in the same relative position as those of the keyboard of a typewriter, and shutters normally concealing said characters, said shutters co-acting with and adapted to be actuated through the normal operation of the typewriter keys to successively reveal and conceal said characters.

1,734,116. HOLDER FOR STICK MATERIAL. CHARLES N. CORYELL, Mamaroneck, N. Y. Filed Jan. 6, 1927. Serial No. 159,282. 5 Claims. (Cl. 206-56.)



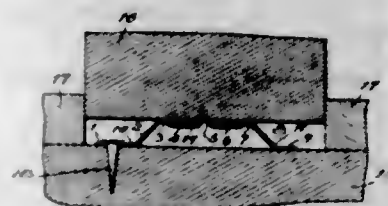
5. A container comprising a holder tube having a slot in each side, a carrier member telescoping within said holder tube, a cap fitting inside the top of said tube and side arms connected to said cap and said carrier member and adapted to overlap said slots.

1,734,117. HOLDER FOR STICK MATERIAL. CHARLES N. CORYELL, Mamaroneck, N. Y. Filed Jan. 6, 1927. Serial No. 159,283. 2 Claims. (Cl. 206-56.)



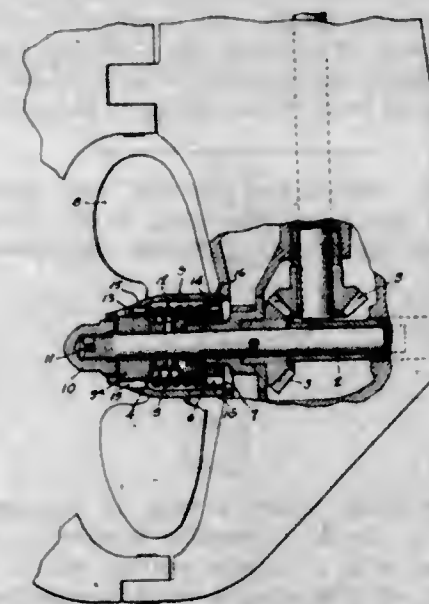
1. A holder comprising a holder tube having longitudinally extending slots, oppositely disposed notches in line with said slots, a cover member comprising a cap and a single strip of wire, said cap having a depending portion adapted to fit within said holder tube and a finger-grasping portion outside said holder tube, said wire having an upper transverse portion connected to said depending portion and adapted to fit in said notches and side arms having inturned ends disposed in said slots.

1,734,118. METAL WEATHER STRIPPING. WILLIAM J. DENNIS, Chicago, Ill. Filed Aug. 4, 1927. Serial No. 210,693. 11 Claims. (Cl. 20-69.)



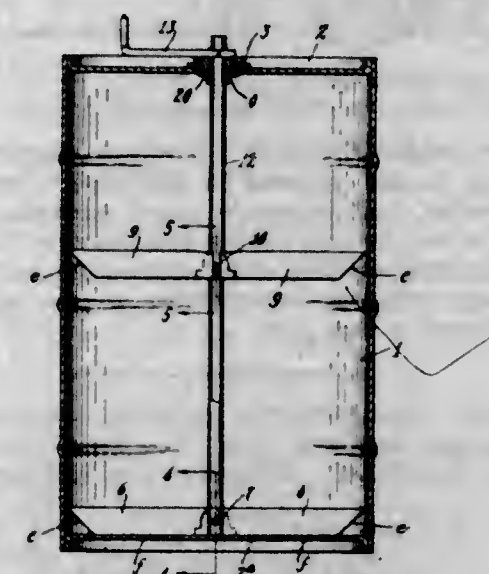
1. A weather stripping of the character described including a longitudinally extending marginal portion, an oppositely arranged longitudinally extending marginal portion, and an intermediate portion connecting the said two marginal portions, said intermediate portion having a groove forming head.

1,734,119. SPRING-CUSHIONED DRIVE FOR PROPELLERS. OLE EVINRUDE, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation, a Corporation of Michigan. Filed Apr. 9, 1927. Serial No. 182,237. 7 Claims. (Cl. 115-18.)



1. In an outboard motor a gear housing, a propeller shaft extending therefrom, a collar fixed to the portion of the propeller shaft located outside of the housing, a propeller having its hub loosely mounted on the propeller shaft, means for preventing endwise displacement of the hub of the propeller, and a coil spring located within the propeller hub and interposed between the collar and the propeller hub and connected thereto.

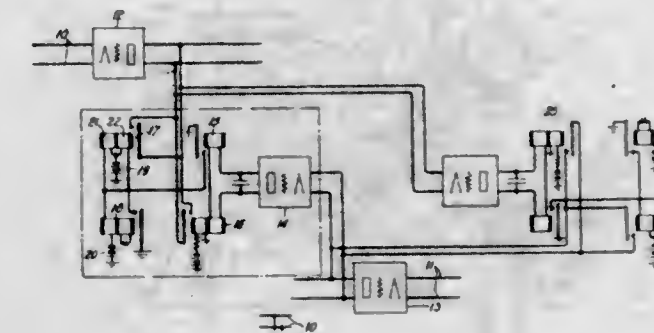
1,734,120. STIRRING DEVICE. CHARLES E. FARRINGTON, Phoenixville, Pa. Filed June 24, 1926. Serial No. 118,202. 12 Claims. (Cl. 259-135.)



1. A collapsible stirring device comprising a vertical shaft slotted at its lower end to form two portions, a pin extending from one portion to another, and a pair of blades pivotally supported on said pin at their inner ends, the opposite inner corners of each of the blades having a stop projecting upwardly beyond the slot to prevent the blades from being extended in the same direction, said blades fall-

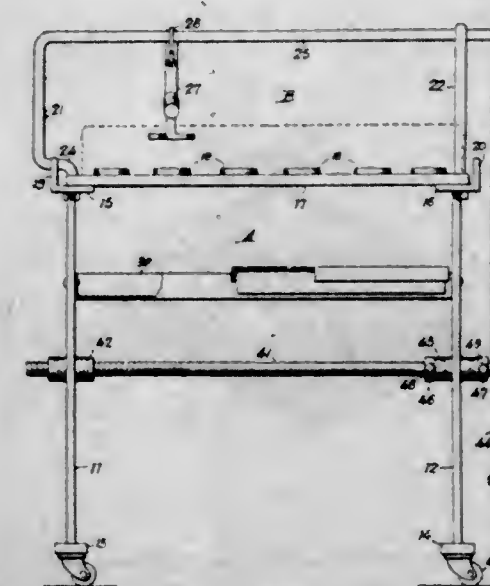
ing vertically in lapping relation with one another when said shaft is suspended and being horizontally extended in opposite directions when said device is lowered on to a support so as to contact with the support along the entire length of their lower edges.

1,734,121. ELECTRICAL WAVE TRANSMISSION SYSTEM. HAROLD J. FISHER, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 26, 1927. Serial No. 194,348. 4 Claims. (Cl. 175-44.)



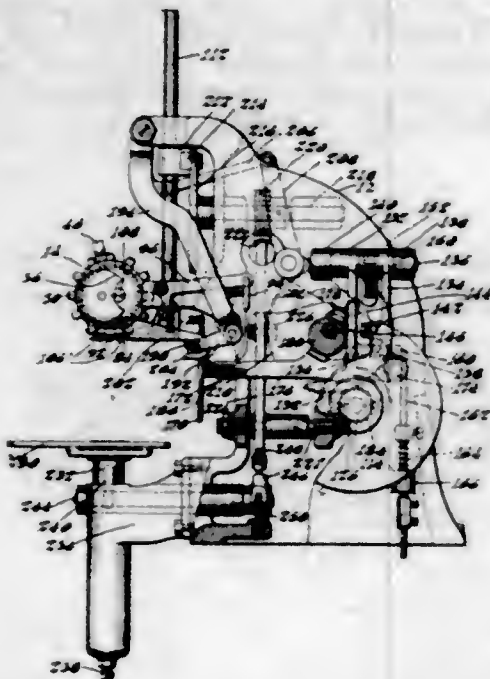
1. In a wave transmission system, two one-way transmission circuits, means responsive to waves in one of said circuits for making a connection of low impedance across the other of said circuits, and means simultaneously responsive to waves in said one circuit for making a second connection of low impedance across said other circuit, the last mentioned means being arranged to remain operated for a definite period of time after transmission over said one circuit has ceased.

1,734,122. COMBINED ENGINE-HEAD SUPPORT AND VALVE-SPRING COMPRESSOR. GEORGE C. GLASPY, Burlington, N. C. Filed Oct. 31, 1928. Serial No. 316,324. 10 Claims. (Cl. 29-86.3.)



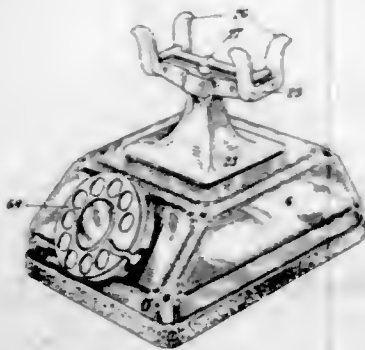
1. An engine head support comprising spaced apart standards, a spanner connecting the standards, brackets carried by the standards, a removable transfer board supported by the brackets, a plunger pivotally related to the spanner and capable of longitudinal adjustment thereof and means for exerting pressure on the plunger.

1,734,123. MARKING MACHINE. PERLEY R. GLASS, Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 18, 1926. Serial No. 81,813. 29 Claims. (Cl. 101-99.)



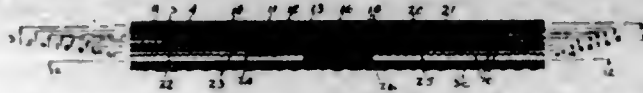
1. In a marking machine, a support, a plurality of separable type pieces on said support, a work support, a carrier, and means moving with the carrier for gripping firmly the ends of and removing a line of type pieces from the support and impressing them on a piece of work placed upon the work support.

1,734,124. UNIVERSAL TELEPHONE SET. IRVING W. GREEN, Cranford, and ALFRED H. INGLIS, Upper Montclair, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed May 27, 1926. Serial No. 112,101. 12 Claims. (Cl. 179-100.)



12. The combination of a universal casing with a number of interchangeable telephone units which may be applied thereto for a top desk mounting, a right side desk mounting, a left side desk mounting and a wall mounting, and means whereby said units may be interchangeably fastened to the casing in a number of different desired mounting combinations, said units including a switch hook to support a hand set for each mounting for manual telephone service, and a dial adapted to be attached to said casing and used in combination with said hook switch for machine switching telephone service.

1,734,125. FILTER ELEMENT. OSCAR V. GREENE, Cleveland, Ohio. Filed Mar. 27, 1925. Serial No. 18,768. 9 Claims. (Cl. 183-69.)



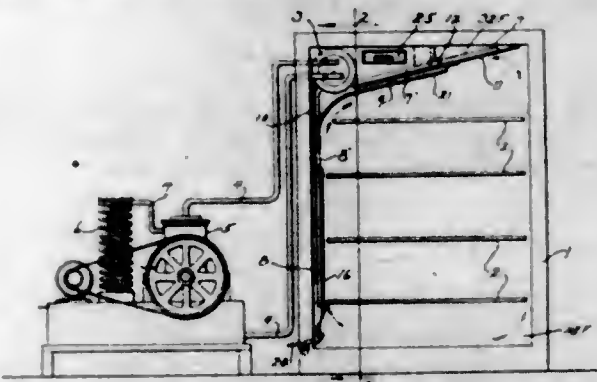
4. A filtering element comprising a series of spaced parallel foraminous sheets, and a series of compensating foraminous sheets of varying size mounted adjacent certain of said sheets and adapted to increase the density of the complete unit from the periphery to the center thereof.

1,734,126. BEARING DEVICE FOR PENKNIVES. CHARLES W. GUTZBEIT, New York, N. Y. Filed July 22, 1925. Serial No. 45,259. 2 Claims. (Cl. 30-10.)



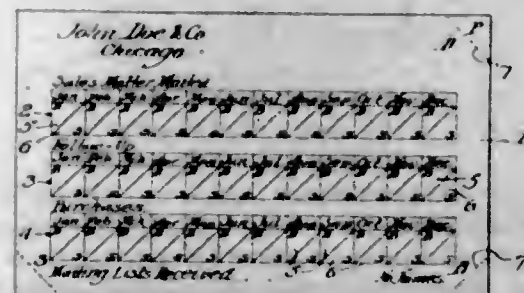
1. A pocket knife blade, a tang on one end of said blade having a pivotal supporting portion on said tang, in combination with a bearing portion on the extremity of said tang, said bearing portion comprising bearing metal, both said tang and bearing portion having lugs on their adjoining edges, the lugs on the bearing portion and the lugs on the tang having interlocking engagement, respectively, with each other, said tang and bearing portion being substantially co-extensive as to width and thickness.

1,734,127. REFRIGERATING COIL. JAMES TELFORD HAMILTON, Berkeley, Calif. Filed Mar. 2, 1927. Serial No. 171,983. 6 Claims. (Cl. 62-95.)



1. The combination with a storage compartment, of an expansion header disposed in the upper corner of said compartment, and expansion pipes extending from said header across the top of the compartment and in close proximity to the ceiling, and radiating fins secured to said pipes and extending substantially in the plane of the compartment ceiling.

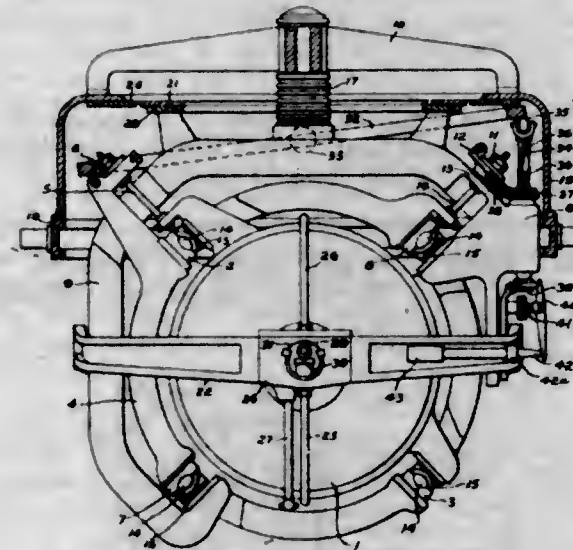
1,734,128. CARD-FILE SYSTEM. ROLLAND T. R. HASTINGS, Highland Park, Ill. Filed Mar. 15, 1927. Serial No. 175,008. 2 Claims. (Cl. 129-16.1.)



1. A file card having a prospect and a dealer designation marked thereon at one corner and a different combination designation marked thereon at each of two other corners so that the card is adapted to be structurally altered at the corners and will show whether it applies to a prospect or a dealer and the commodities dealt in, depending on whether its corners are intact or not.

modity designation marked thereon at each of two other corners so that the card is adapted to be structurally altered at the corners and will show whether it applies to a prospect or a dealer and the commodities dealt in, depending on whether its corners are intact or not.

1,734,129. SUPPORT FOR GYROSCOPES AND OTHER SENSITIVE ELEMENTS. JAMES BLACKLOCK HENDERSON, Blackheath, England. Filed June 19, 1926. Serial No. 117,179. and in Great Britain June 22, 1925. 10 Claims. (Cl. 83-226.)



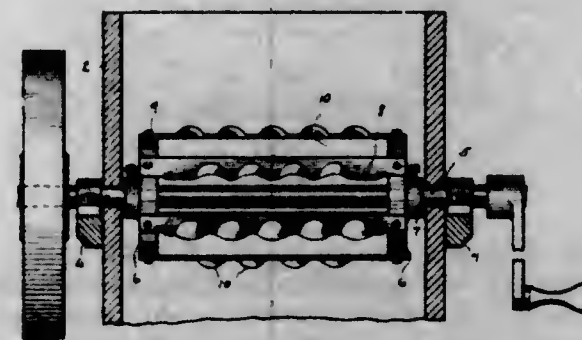
1. A suspension for a sensitive element including a normally vertical gimbal ring, means for supporting said sensitive element from said gimbal ring to turn about an axis inclined to the horizontal and to the vertical, and means for supporting said ring to turn about another axis inclined to the horizontal and to the vertical.

3. A suspension for a sensitive element including supporting means comprising an inclined knife edge trunnion and means including a filar support for preventing movement of said element along the inclined axis of said knife edge trunnion.

1,734,130. COATING FOR WOOD, METAL, OR OTHER SURFACES AND PROCESS FOR MAKING THE SAME. CHARLES H. HOLMAN and OSCAR W. HOOPPAW, St. Louis, Mo. Filed July 22, 1926. Serial No. 124,286. 5 Claims. (Cl. 134-89.)

3. A coating including magnesium oxide and an aqueous solution of magnesium chloride and magnesium sulphate, a volatile oil, and an emulsifier mixed with said aqueous chloride solution and said volatile oil.

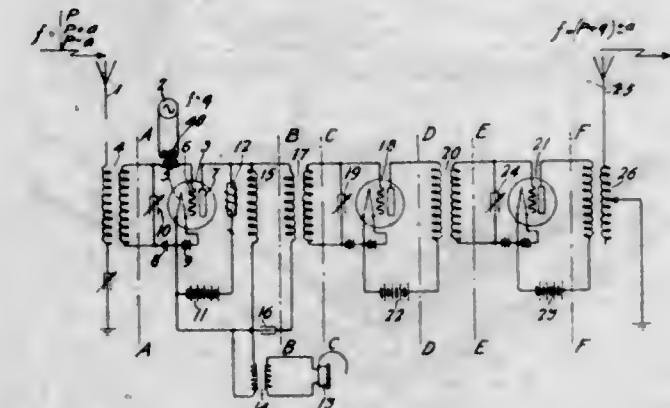
1,734,131. VEGETABLE CUTTER. RUDOLPH A. KATZELE and MARTIN C. CHRISTENSEN, Bardum, Minn. Filed July 26, 1926. Serial No. 125,086. 2 Claims. (Cl. 146-128.)



1. A vegetable cutter comprising in combination a shaft, spaced circular heads upon said shaft, circumferentially spaced cutting blades attached at either end to the heads, said blades having concave pressed out cutting edge portions spaced along the length thereof, the concave portions of one blade member being staggered in relation to those of an adjacent blade.

spaced cutting blades attached at either end to the heads, said blades having concave pressed out cutting edge portions spaced along the length thereof, the concave portions of one blade member being staggered in relation to those of an adjacent blade.

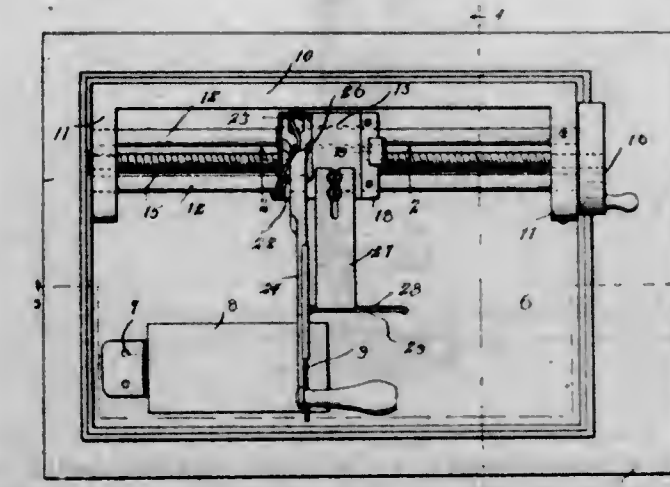
1,734,132. HIGH-FREQUENCY SIGNALING. BURTON W. KENDALL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1916. Serial No. 121,571. 51 Claims. (Cl. 179-171.)



1. The method of signal transmission which comprises combining modulated carrier oscillations with electrical energy of different characteristic and in selecting for transmission from the resulting oscillations modulated oscillations having a frequency differing from that of said carrier oscillations.

40. The method of indirectly amplifying high frequency electrical oscillatory energy which comprises combining said energy with high frequency continuous electrical oscillations of a frequency differing from said energy by a third readily-amplifiable high frequency, converting the combined energy by suitable means to produce said readily-amplifiable high frequency oscillations and amplifying said resulting readily-amplifiable high frequency oscillations.

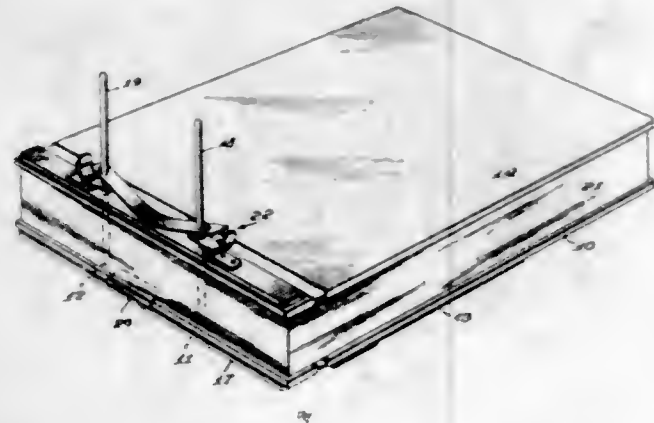
1,734,133. CHEESE CUTTER. JOHN E. KEYS and OPIM P. KEYS, Elizabethton, Tenn. Filed Oct. 1, 1928. Serial No. 309,497. 5 Claims. (Cl. 31-17.)



1. A cheese-cutting mechanism comprising a carriage, means for adjusting the carriage including a threaded rod having its ends mounted in fixed bearings, the carriage having its ends mounted in fixed bearings, the carriage having its ends mounted in fixed bearings.

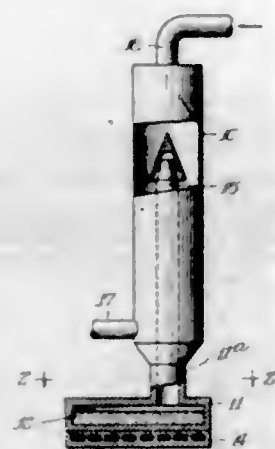
having a longitudinal opening through which the rod passes, a vertically slidable latch mounted upon one end of the carriage, yieldable means below the latch to hold it in engagement with the rod to serve as a nut therefor, the latch projecting above the carriage whereby it may be depressed and released from the rod and a cutter mounted on the opposite end of the carriage.

1,734,134. BOOKBINDER. WILLIAM RUSSELL KLINE, New York, N. Y., assignor to The McBee Binder Company, Athens, Ohio, a Corporation of Ohio. Filed Dec. 22, 1927. Serial No. 241,871. 2 Claims. (Cl. 129—12.)



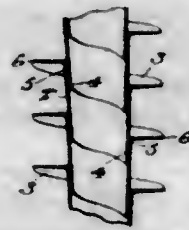
1. A combination loose-leaf and permanent file, comprising orificed leaves to be bound, an orificed lower cover, a plate with binding posts thereon to register with the orifices in the lower cover, means to lock the plate to, and release it from the lower cover, an upper cover orificed to register with the said binding posts, means to lock the upper cover to and release it from the binding posts, and means when the binding posts have been removed from the leaves and covers to pass through the orifices in the lower and upper covers and contained sheets and bind them together.

1,734,135. VAPOR VACUUM PUMP CONSTRUCTION. ERNST KOBEL, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed Aug. 25, 1906, Serial No. 131,514, and in Germany Sept. 9, 1925. 1 Claim. (Cl. 230—101.)



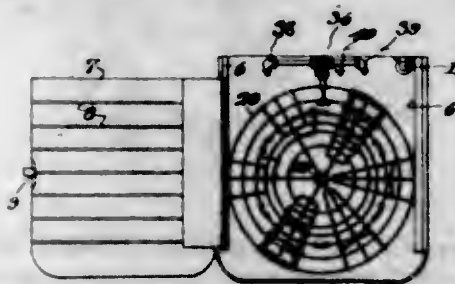
In a vacuum pump, an uprightly disposed casing, a nozzle disposed therein, means providing a vapor generator and comprising a flat boiler portion having a horizontal cross-sectional dimension substantially greater than the horizontal cross-sectional dimension of said casing, and a neck portion disposed eccentrically with respect to said boiler portion and providing an operating connection between the same and said nozzle.

1,734,136. RADIATOR TUBE AND METHOD OF MAKING THE SAME. NATHAN KRAMER, Trenton, N. J., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 25, 1926. Serial No. 131,474. 21 Claims. (Cl. 113—35.)



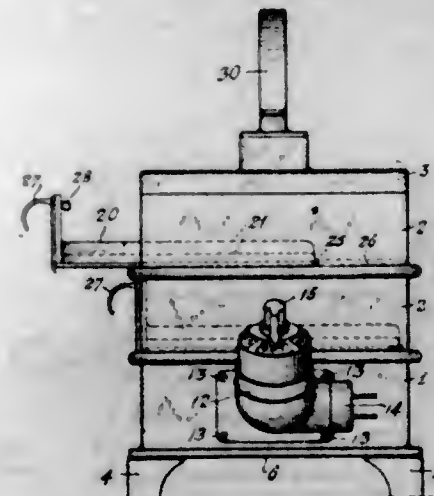
1. A tube for radiators comprising, a corrugated sheet metal spirally wound body portion having a laterally projecting spiral fin formed integral therewith.

1,734,137. DISHWASHER. ADOLF G. KROCKNER, Waco, Tex. Filed Oct. 12, 1927. Serial No. 225,668. 2 Claims. (Cl. 141—9.)



1. In a dishwashing machine, the combination with a receptacle; of a vertical standard supported by the bottom of the receptacle; a container for dishes rotatably supported on said standard; a plurality of nozzles arranged to discharge water against dishes in said container, two of said nozzles being disposed on opposite sides of and at unequal distances from a vertical plane passing through said standard and perpendicular to a vertical plane in which the said two nozzles lie, whereby a jet of water issuing from the nozzle farthest from said plane will impinge upon one face of each of the dishes in the container to cause rotation of the latter, and a jet of water issuing from the other nozzle will impinge upon the opposite face of each of the dishes, the jets being parallel to the first mentioned plane; and means for supplying water to said nozzles.

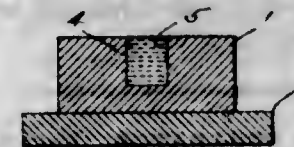
1,734,138. OVEN. OTTO PAUL RICHARD LEHMANN, Newark, N. J. Filed Nov. 30, 1927. Serial No. 238,606. 5 Claims. (Cl. 53—5.)



5. A sanitary Frankfurter roaster having a large storage space for roasted Frankfurters comprising a founda-

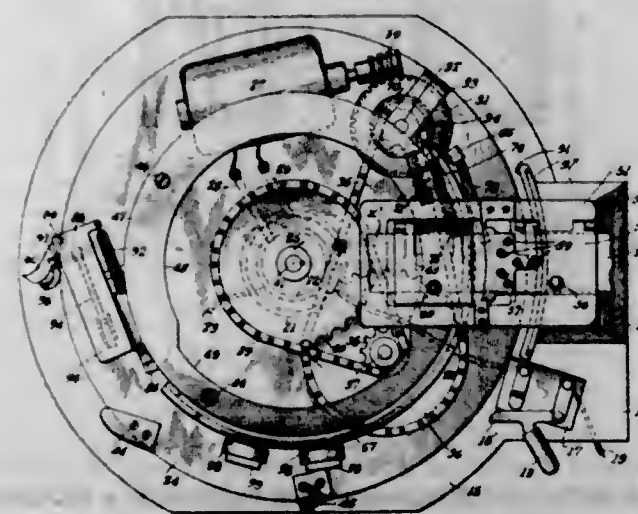
tion unit containing an electrical heating element, a plurality of superposed, intermediate, interchangeable, mating hollow sectional units having a relatively narrow depth and a large open area mounted upon said foundation unit, each of said sectional units being provided with a seat at the top thereof and with a shoulder of the same size as said seat at the bottom thereof whereby as many sectional units as desired can be built upon each other by seating the shoulder of an upper sectional unit on a seat of a sectional unit immediately underneath, an interchangeable Frankfurter tray slidably positioned in each of said hollow intermediate sectional units and provided with a multiplicity of individual open cells for Frankfurters whereby substantially the entire cross section of each sectional unit is open for the free upward flow of roasting heat from the electrical heating element to the Frankfurters on each and every tray in the roaster, said interchangeable organization of units and trays being such that Frankfurters can be roasted in the bottom unit above the heater and when fully roasted can be interchanged with an upper tray without disturbing the rest of the roaster, and a dome fitted upon the uppermost intermediate unit, said trays being so arranged with respect to the said units and dome that they can be removed and cleaned individually without disturbing the rest of the roaster.

1,734,139. PROCESS OF MAKING MASTER RECORDS. WILLIAM W. McLAREN, Birmingham, Ala. Filed Apr. 4, 1927. Serial No. 180,805. 1 Claim. (Cl. 274—46.)



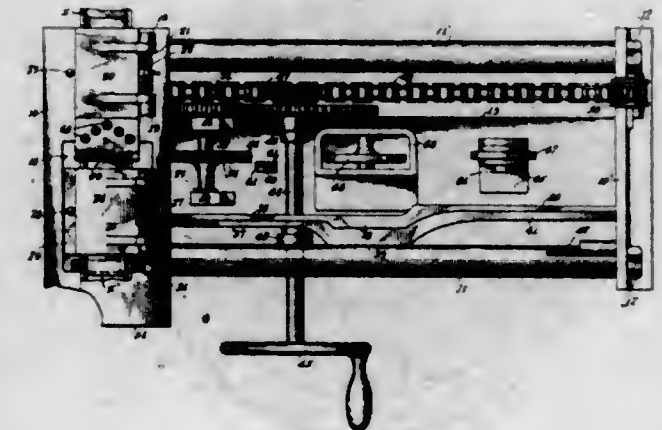
A method of hardening a master record in the talking machine art, the method comprising retaining a refrigerant temporarily in an open cavity in the record.

1,734,140. FILM-SPICING MACHINE. WILLIAM F. McLAUGHLIN and ALFRED J. SWING, Bloomfield, N. J., assignors to Automatic Film Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 30, 1927. Serial No. 179,419. 10 Claims. (Cl. 154—42.)



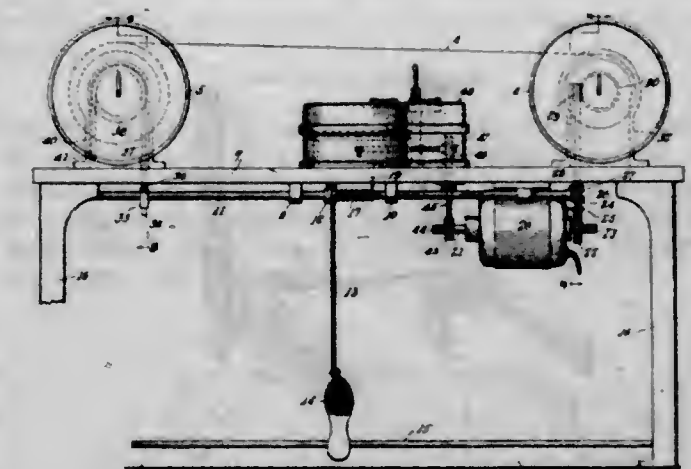
9. In a film splicing apparatus, a film holding member, a horizontally disposed turntable turnable on a vertical axis carrying cleaning, cutting, cementing and cohering elements, means for actuating the same in sequence to form a splice, and automatic stopping means to cause rotation to cease at a predetermined point, which point is at the end of one splice and at the beginning of another.

1,734,141. FILM SPLICER. WILLIAM F. McLAUGHLIN and ALFRED J. SWING, Bloomfield, N. J., assignors to Automatic Film Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 8, 1927. Serial No. 182,144. 5 Claims. (Cl. 154—42.)



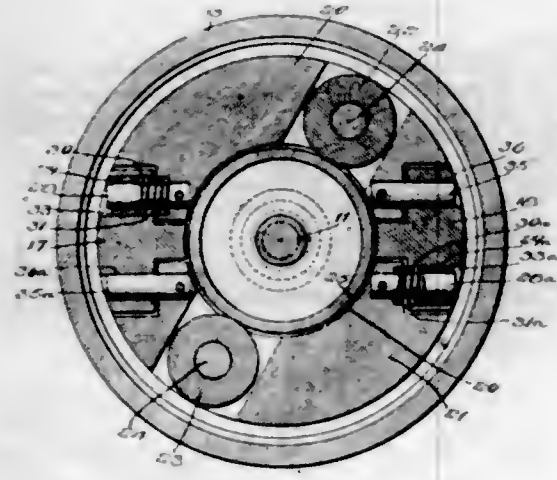
1. A film splicing apparatus comprising a frame including a pair of spaced standards having a platform and a pair of spaced rails connected therebetween, a carriage on said rails, manual means for moving said carriage on the rails, a carrier mounted to slide lengthwise in said carriage transversely of the platform, means for clamping film ends on said carrier and carriage respectively, means on said platform to progressively moisten, scrape, cut and cement the film ends, a cam bar having means to tilt the carrier and move it into position to cause the film end carried by it to overlap the film end on said carriage, and means for adjustably pressing the superposed film ends tightly together.

1,734,142. FILM SPLICER AND REWINDER. WILLIAM F. McLAUGHLIN and ALFRED J. SWING, Bloomfield, N. J., assignors to Automatic Film Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed July 12, 1927. Serial No. 205,172. 5 Claims. (Cl. 224—55.)



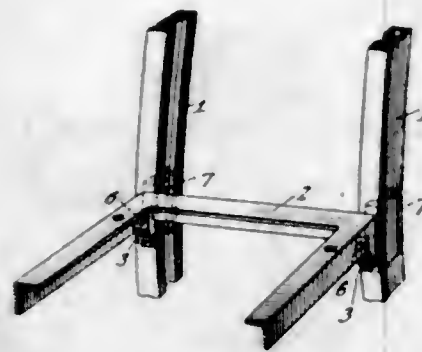
1. In combination, a winding reel, an unwinding reel a motor for driving the winding reel, a brake for stopping the unwinding reel, a film splicing apparatus located between the two reels, means operatively connecting the film splicing apparatus with the motor, and means controlled by a foot pedal, for throwing the brake into action on its reel at the same time the motor is disconnected from its reel, and vice versa.

1,734,143. POWER TRANSMISSION APPARATUS. NAZARENE GEORGE MORICI, Chicago, Ill. Filed Aug. 15, 1925. Serial No. 50,500. 6 Claims. (Cl. 192-105.)



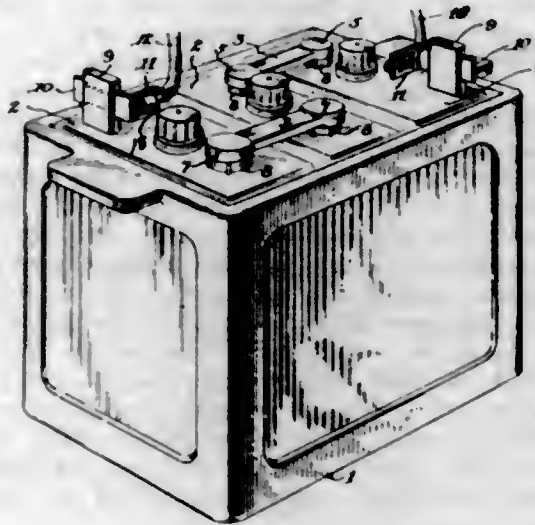
1. In power transmission apparatus, a driving element, a driven element co-axial therewith and having a cylindrical surface formed thereon, said cylindrical surface being concentric with the axis of rotation of the driven element, a member on said driving element movable relatively thereto in a plane transverse to the axis of said driving element, a roller carried by said member and brought into tangential engagement with said cylindrical surface for operatively connecting the driving element to the driven element, and means connected with said member for maintaining said roller out of engagement with said cylindrical surface until said driving element has attained a predetermined number of revolutions per minute.

1,734,144. CHAIR. LOUIS H. MORTN, New York, N. Y., assignor to Doehler Die-Casting Company, a Corporation of New York. Filed Feb. 9, 1927. Serial No. 166,836. 2 Claims. (Cl. 155-194.)



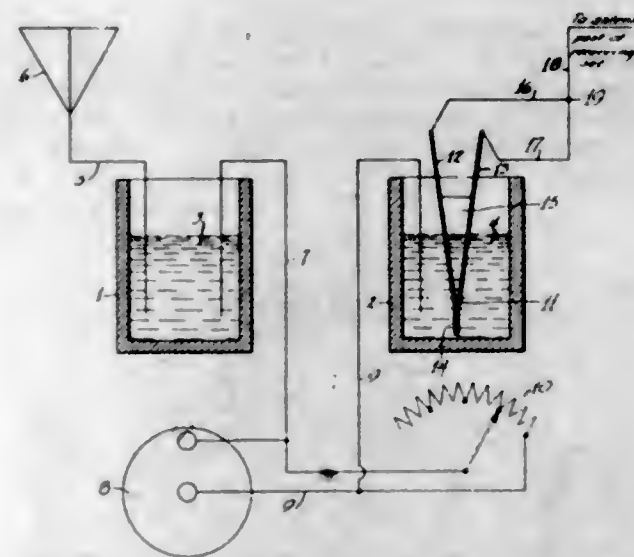
1. A chair or the like comprising a tubular main member having a grooved side, an additional member attached thereto, and reinforcing means at said point of attachment comprising a solid strengthening means recessed for said groove and positioned within said tubular member at said point of attachment, and attaching means comprising a perforation in said additional member, a threaded perforation in said strengthening means and a clamping bolt inserted therein.

1,734,145. ELECTRICAL CONNECTER. RALPH S. PIPER, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 20,511. 8 Claims. (Cl. 173-259.)



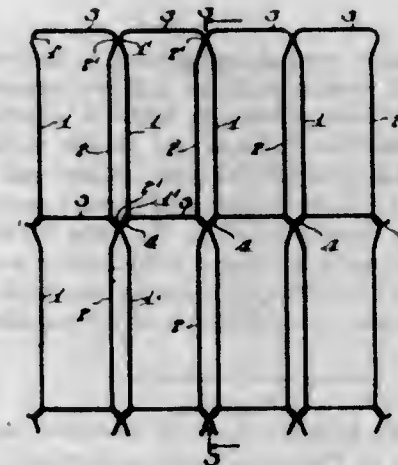
1. A battery terminal consisting of a battery lug and a sheet metal copper strip, partly imbedded in said lug by casting, and provided with a free end terminal adapted to be joined securely to a wire.

1,734,146. RADIO APPARATUS. RALPH H. RAYNOLDS, Walnut Creek, Calif. Filed Oct. 6, 1926. Serial No. 139,893. 7 Claims. (Cl. 250-20.)



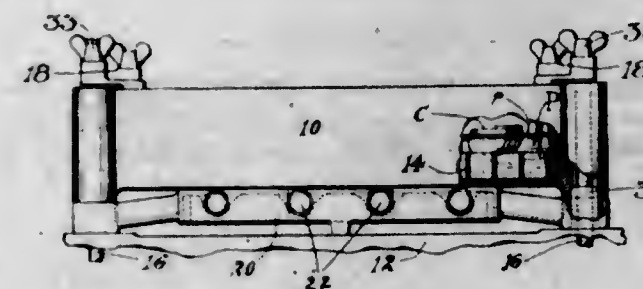
1. A device of the type described comprising a container having a solution of brine therein, an electrical conductor dipped in said solution and connected to an aerial, a second container having a solution of brine therein, electrical conductors for connecting said first and second solutions of brine, a source of direct current in series with said electrical conductors, a thermocouple dipped in the solution of brine in said second container, the dry ends of said thermocouple being connected to an antenna connection of a radio receiving set.

1,734,147. SPRING FABRIC. HORACE S. RHODES, Philadelphia, Pa. Filed Nov. 8, 1927. Serial No. 281,800. 5 Claims. (Cl. 245-5.)



1. A spring fabric having courses of links with legs substantially parallel throughout the greater part of their length and ends off-set divergently in each link and connected by cross members, the adjacent links being connected by loops, and the offset ends of adjacent links of one course being engaged by loops connecting adjacent links of another course.

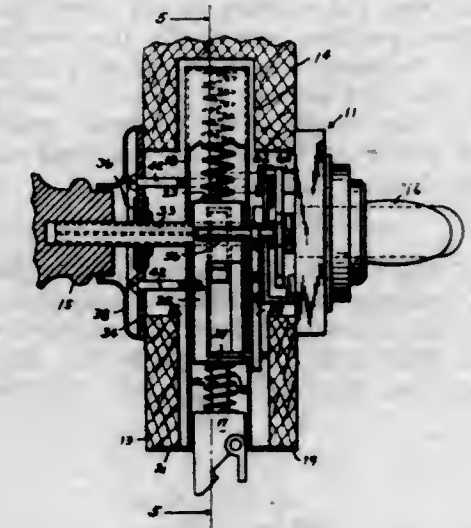
1,734,148. METHOD OF APPLYING ADHESIVE. FLOYD E. RICHMOND, Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 29, 1925. Serial No. 33,782. 10 Claims. (Cl. 91-70.)



1. The method of coating objects carrying a substance interfering with adhesion, which consists in simultaneously removing from the objects the interfering substance and applying an adhesive coating.

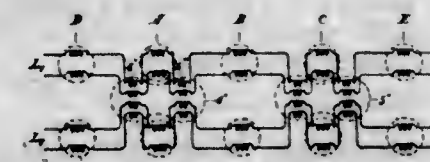
10. The method of applying paste to counters coated with paraffin, which consists in heating the paste to approximately 160° F., dipping the counters in the heated paste, permitting the melted paraffin to accumulate upon the surface of the paste, allowing the paste to cool at intervals and the paraffin to solidify, and removing the sheets of paraffin from the paste.

1,734,149. DOORLOCK. JOHN A. RYMER, Berkeley, Calif., assignor to Pratt-Rymer Company, San Leandro, Calif., a Corporation of California. Filed Dec. 6, 1927. Serial No. 238,078. 11 Claims. (Cl. 70-29.)



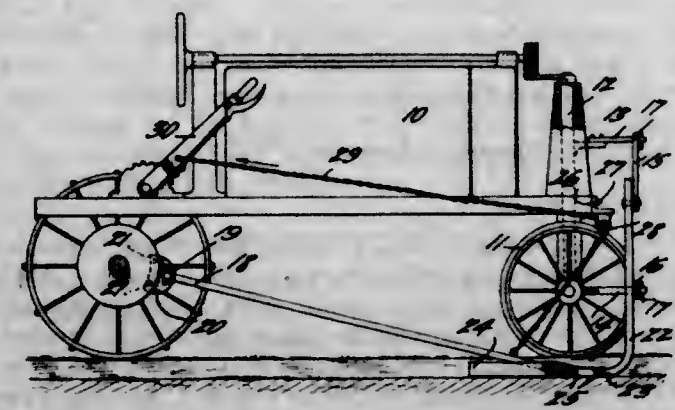
1. In a lock, a latch bolt and a spindle whereby it is actuated, means independent of said spindle for compelling the latch bolt to move into and out of operative engagement, and means carried by the spindle disposable to render said first means inoperative.

1,734,150. LOADED TRANSMISSION SYSTEM. THOMAS SHAW, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 1, 1927. Serial No. 230,829. 4 Claims. (Cl. 178-45.)



1. A loaded transmission system comprising loaded side circuits and a loaded phantom circuit superimposed thereon, the side circuits being loaded at each loading point of the phantom circuit and also midway between the phantom loading points, one-half of each phantom loading winding being connected with the conductors of the side circuits upon each side circuit loading winding, thereby rendering equal the mutual capacity of each loading section of the side circuits.

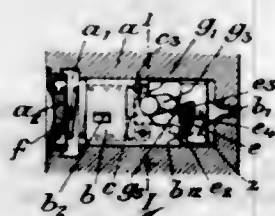
1,734,151. GUIDING DEVICE FOR TRACTORS. LLOYD BAKER, Slayton, Minn., assignor to Kelly Bros. Co., a Copartnership consisting of Leo A. Kelly, Milwaukee, Wis., Ray F. Kelly, Waseca, Minn., and Mark Kelly, Mankato, Minn. Filed Dec. 18, 1928. Serial No. 326,728. 3 Claims. (Cl. 97-49.)



1. In a guiding device for tractors, a rigid member pivotally mounted near the rear end of the tractor, said mem-

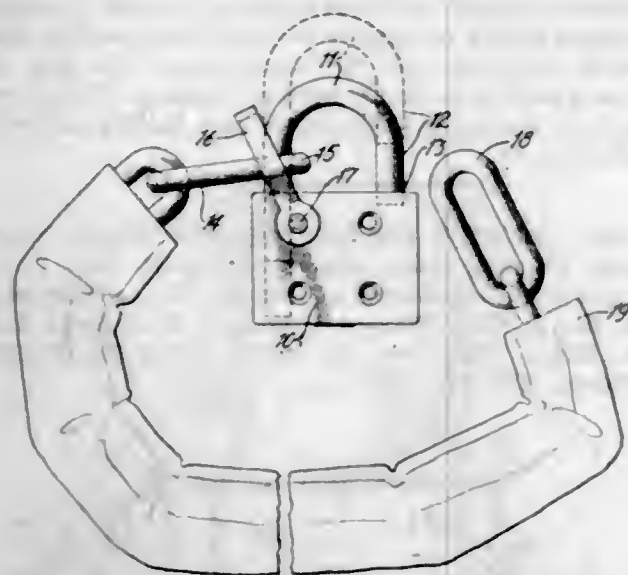
ber extending toward the forward end of the tractor and being curved between its ends with its front end extending approximately vertically, the said curved portion being adapted to ride on the bottom of a furrow for guiding the tractor, a resilient device having one end secured to the rigid member near the location of the curve, the said resilient member extending rearwardly and laterally of the rigid member for engaging soil at one side of the furrow and holding the rigid member in operative position in the furrow, a steering element for the front wheels of the tractor, and means for connecting the rigid member to said steering element.

1,734,152. PRIMER LOCK. ERICH BARTELS, Dusseldorf, Germany, assignor to the Firm of Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed Feb. 8, 1929. Serial No. 338,600, and in Germany Feb. 20, 1928. 3 Claims. (Cl. 89—27.)



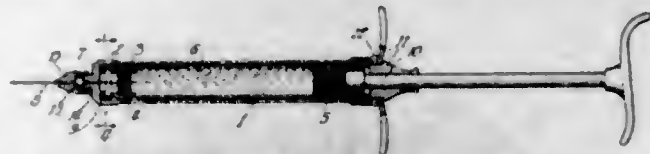
1. In a primer lock for the breech mechanism of a gun, in combination a percussion hammer slideably fitting said breech mechanism, a cam disc fixed upon a spring actuated cocking shaft rotatably arranged in said breech block, a trigger journaled in said percussion hammer and cooperating with said cam disc, a spring located in a bore of said percussion hammer, a disc forming a bearing for said spring and swingably arranged in said bore and a cam on said disc cooperating with said trigger.

1,734,153. COMBINATION CHAIN AND LOCK. JOHN W. BATE, Racine, Wis. Filed Oct. 13, 1927. Serial No. 225,935. 1 Claim. (Cl. 70—90.)



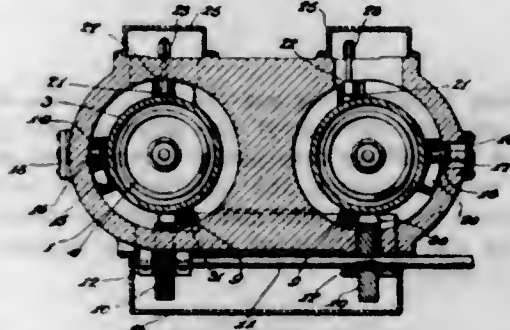
A lock comprising a body, a sliding and rotary U-shaped shackle having a long and a short leg, and a chain, a chain retaining member pivoted to the body near its shackle receiving edge and adjacent the longer leg of said shackle, said chain engaging the longer leg of said shackle and being embraced by said chain retaining member, whereby said retaining member prevents separation of the lock and chain without preventing free movement of the chain relative to the shackle.

1,734,154. HYPODERMIC SYRINGE. HENRY K. BROWN, Chicago, Ill., assignor to Cook Laboratories, Inc., Chicago, Ill., a Corporation of Delaware. Filed Dec. 16, 1927. Serial No. 240,387. 2 Claims. (Cl. 128—218.)



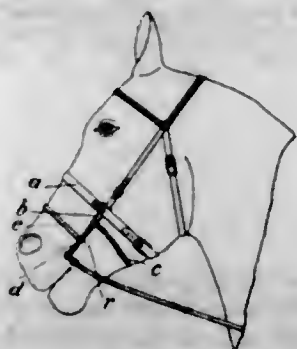
1. A hypodermic syringe comprising a cartridge having a sealing closure to be pierced by and seal around a needle and constructed to be reduced in interior volume for ejecting the fluid contents through the needle, said cartridge embodying a glass tube beaded near its fore end to provide internal annular shoulders and said closure consisting of a resilient stopper tightly fitted in the tube between and in engagement with said shoulders and thereby mechanically interlocked with the tube; in combination with means including said needle to provide an injection-administering organization.

1,734,155. FUEL PUMP. HAROLD CAMINEZ, Garden City, N. Y., assignor to Fairchild-Caminez Engine Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 1, 1928. Serial No. 309,442. 2 Claims. (Cl. 103—214.)



1. In a fuel feeding system for internal combustion engines, a fuel pump having a working cylinder, a working piston in said cylinder, a hollow control plunger pivotally connected to said piston, a rack on said plunger, a continuously rotating pinion, a spring within said plunger for moving said plunger and piston axially of said cylinder to pump fuel, spring means associated with said plunger and tensioned by the movement thereof in pumping fuel to rotate said plunger to bring said rack into engagement with said pinion to return said piston, and means for preventing rotation of said plunger except at the ends of its stroke.

1,734,156. CURB WITHOUT MOUTHPIECE. OTTO CLEMENS, Berlin-Charlottenburg, Germany. Filed Mar. 31, 1927. Serial No. 180,031, and in Germany Apr. 3, 1926. 3 Claims. (Cl. 54—15.)



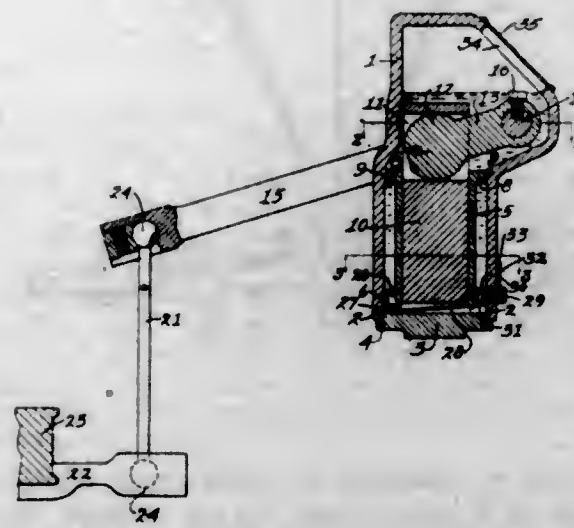
1. A bitless curb comprising a head stall, a metal hanger plate having a pivot and removably attached to said head stall, a nose strap removably attached to said hanger plate, a cheek-piece pivotally mounted on said pivot and having a fixed hook and rings integral therewith on opposite ends thereof and a chin-chain detachably engaging said fixed hook.

1,734,157. DRESS PROTECTOR. ADELE L. DEMING, Elizabeth, N. J. Filed Jan. 25, 1927. Serial No. 163,386. 1 Claim. (Cl. 2—80.)



A girl's dress protector comprising front and rear portions cut from a single sheet of material with side cut out leg openings the front and rear portions of the garment being practically identical and attached to each other only adjacent said leg openings, yokes at the rear and front composed of material narrower than the body portion and having means for adjustably attaching said yokes together both front and rear of the body portion having gathers at their upper portions to decrease the size of the upper portions to correspond with the yokes and leaving the lower portions to form a pouch to loosely hold the lower portion of the dress of the wearer.

1,734,158. SHOCK ABSORBER. ELMER DODDRIDGE, South Bend, Ind. Filed Jan. 27, 1928. Serial No. 249,919. 6 Claims. (Cl. 188—85.)



1. A shock absorber comprising a fluid containing casing, a cylinder detachably secured in said casing in spaced relation thereto, a recessed flange carried by the upper end of said cylinder and adapted to abut a shoulder on the inner side of said casing, a plunger disposed in said cylinder, a lever arm, and a plunger actuated by said lever arm, said plunger arm having a free bearing connection with said plunger.

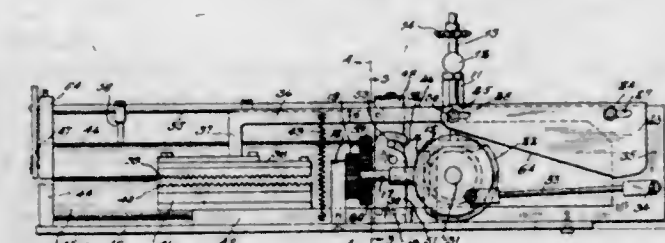
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1,734,159. MACHINE FOR TREATING THE TOPS OF PINEAPPLES. CHARLES H. DOLAN, Jr., Honolulu, Territory of Hawaii. Original application filed Jan. 14, 1928, Serial No. 246,798. Divided and this application filed Oct. 29, 1928. Serial No. 315,794. 7 Claims. (Cl. 146—6.)



7. A device of the character described comprising a support, a hopper mounted on said support and consisting of two relatively movable sections, a cutter knife carried by the lower portion of each of said sections, and means resiliently tending at all times to move one of said sections towards the other.

1,734,160. FABRIC FEEDER FOR STRETCHING MACHINES WITH PRELIMINARY STRETCHING. SIDNEY DORFMAN, Bronx, N. Y. Filed June 21, 1928. Serial No. 287,223. 6 Claims. (Cl. 26—54.)

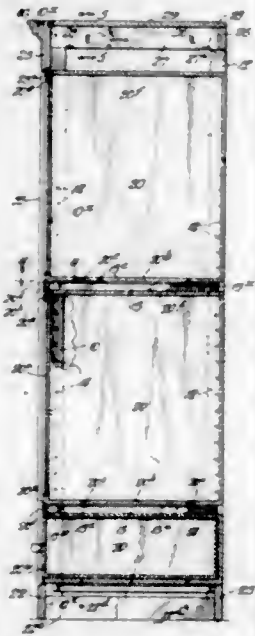


1. Feeder attachment for fabric stretching machines, comprising a pair of co-operating gripping members having oppositely disposed serrated gripping faces, arms to which said gripping members are secured, a means for normally holding said serrated faces in engagement, and means for automatically closing said gripping faces, over a piece of fabric, operating means therefor, a pair of rollers adapted to be operated from said operating means to feed the fabric from between said gripping members to the fabric stretching machine.

1,734,161. STORAGE STRUCTURE. MILTON P. DU PLESSIS, Evanston, Ill., assignor, by direct and mesne assignments, to Ready-Bilt Store Equipment Company, a Corporation of Illinois. Filed Mar. 30, 1927. Serial No. 179,451. 15 Claims. (Cl. 312—107.)

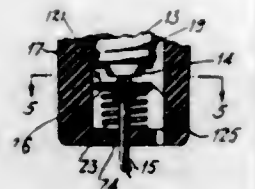
1. A structure of the class described comprising spaced frames, supports carried by said frames, top cross mem-

bers extending between and secured to said frames, sections independently supported between the frames upon said supporting members, said cross members being constructed to partially overhang subjacent sections and means securing said cross members to said frame members for limited vertical movement.



9. A knockdown merchandising case comprising spaced separately formed unit rectangular frames comprising outer frames and an intermediate frame, supporting members detachably carried by said frames at the inner sides of said outer frames and to both sides of said intermediate frame, means extending between said frames and removably secured thereto to maintain the same in properly spaced relation after assembly, and sections arranged in vertical tiers between said outer and intermediate frames, said sections being separately supported upon said supporting members and independently movable into and out of position between said frame members.

1,734,162. ELECTRIC-LAMP SOCKET. REUBEN ECKSTEIN, New York, N. Y. Filed Mar. 21, 1927. Serial No. 176,901. 4 Claims. (Cl. 200—113.)

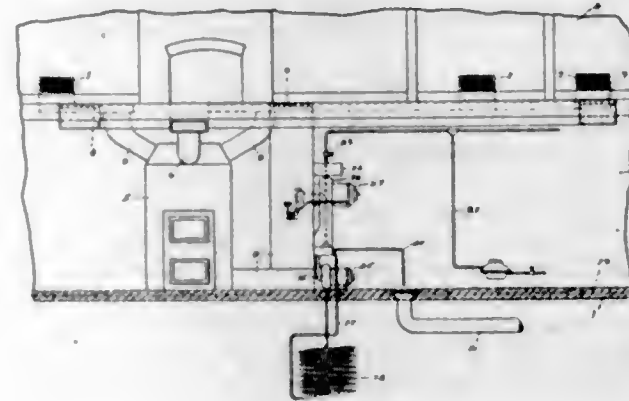


1. An electric lamp socket comprising an insulated body portion having a chamber, a contact shell fixed in an open end of the chamber adapted to receive the base of a bulb, a center terminal contact spaced from the contact shell, a current carrying member extending from the center contact, and a spring normally urging said member toward the shell to form a short-circuit between the latter and said contact, said member and contact being movable against the spring into spaced relation with the shell on insertion of a bulb base into the socket, said current-carrying member being formed of a fusible material, as and for the purpose described and specified.

1,734,163. HEATING, VENTILATING, AND HUMIDIFYING APPARATUS. CHARLES P. EISENHÄUER, Dayton, Ohio. Filed May 4, 1928. Serial No. 275,226. 26 Claims. (Cl. 236—44.)

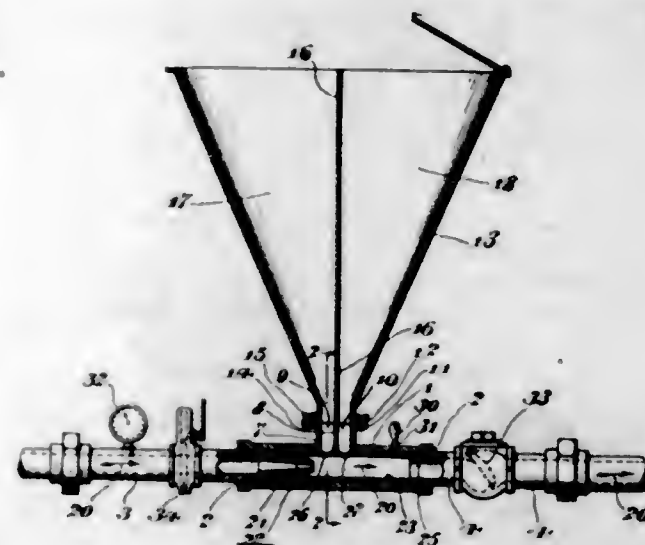
1. In combination, a circulation passageway for delivering air to an enclosure, a damper therein, a blower communicating with said passageway above the damper and below the damper, hygrostatic means for controlling the operation of said blower means associated with said blower for adjusting the humidity of the air by-passed around

communicating with said passageway above the damper and below the damper, hygrostatic means for controlling the operation of said blower means associated with said blower for adjusting the humidity of the air by-passed around



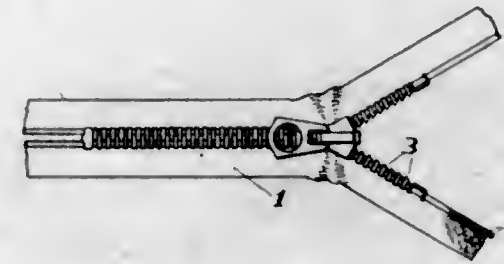
said damper whereby when the humidity of the air decreases said damper will be shut and said blower placed into operation to divert the air over the humidifier before redelivery to the enclosure, and means to heat said air on its way to the enclosure.

1,734,164. MEANS FOR PRODUCING FIRE-EXTINGUISHING FOAM. LEON FABER, Philadelphia, Pa., assignor, by mesne assignments, to National Foam System Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 2, 1927. Serial No. 171,987. 3 Claims. (Cl. 169—15.)



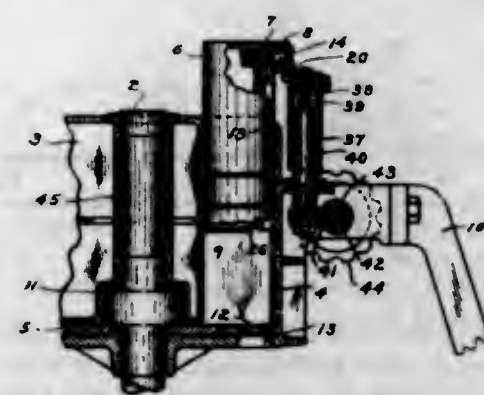
1. In means for producing fire extinguishing foam, the combination of a valve casing having openings there-through in contiguous relation to each other through which substances are adapted to pass separately from separate containers, a tubular passageway through which water may flow, the said valve casing constituting a part of the said passageway, means located within the said valve casing whereby the flow of water through the said casing causes the said substances to flow through the said openings and into the stream of water flowing through the said tubular passageway, the said substances being dissolved in the said stream of water and after dissolution reacting to produce foam and a movable valve member located within the said valve casing for opening and closing the said openings through the latter.

1,734,165. TAPE FOR STRINGERS FOR SEPARABLE FASTENERS. WILLARD CHARLES FRENCH, Milton, Mass., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Dec. 14, 1927. Serial No. 239,855. 6 Claims. (Cl. 189—384.)



1. An integral woven stringer for a fastener series comprising an attaching strip and interwoven tubular portions on opposite sides of the strip along one edge thereof having one or more systems of filling additional to and separate from that used in the attaching portion.

1,734,166. CAN-FILLING MACHINE. OSWALD H. HANSEN, Milwaukee, Wis., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Filed Nov. 12, 1925. Serial No. 68,511. 17 Claims. (Cl. 226—103.)



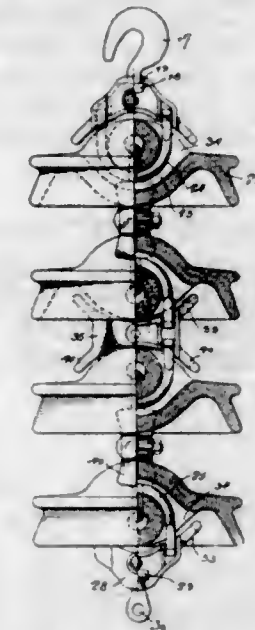
1. In combination, a source of fluent material supply, means forming a measuring pocket having a side inlet opening and a restricted lower end discharge opening, a casing embracing said pocket forming means, means for revolving said pocket within said casing about a vertical axis to intermittently move the same past said source, a plunger movable in said pocket to withdraw material from said source into said pocket through said side opening and to subsequently deliver said material from said pocket through said end opening, and means carried by said plunger and coacting with an end of said casing to move said plunger.

1,734,167. SUSPENSION INSULATOR FITTING. HENRY R. HOLMES, East Liverpool, Ohio, assignor to The R. Thomas & Sons Company, East Liverpool, Ohio, a Corporation of Ohio. Filed July 7, 1926. Serial No. 120,995. 4 Claims. (Cl. 172—866.)

1. A suspension insulator comprising a plurality of insulator units, an upper and a lower arcuate way for a U-link in each unit, a U-link passing through each arcuate way, and suspension fittings for connecting certain of the U-links of adjacent insulators, said fittings being so shaped as to conform to the contour of the insulator units and to enclose portions of the U-links and their arcuate ways.

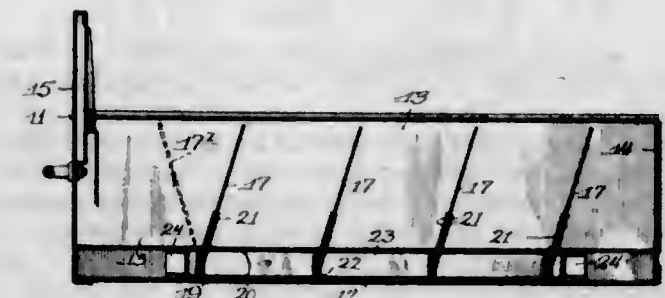
3. In a suspension insulator, U-links, an insulator unit having upper and lower arcuate ways adapted to receive

said U-links, in combination with a coupling device having upper and lower connecting means adapted to hold the legs of U-links, said device comprising integral apron-like



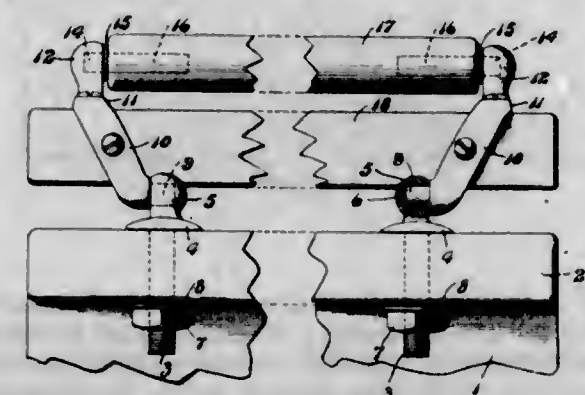
extensions adjacent its ends adapted to overlie portions of the U-link between the coupling and the insulator to shield the link against play of an arc thereon.

1,734,168. VERTICAL FILING CABINET. DAVID E. HUNTER, Muskegon, Mich., assignor to Shaw-Walker Company, Muskegon, Mich., a Corporation of Michigan. Filed Aug. 13, 1927. Serial No. 212,785. 2 Claims. (Cl. 129—16.)



1. A receptacle for vertical filing, comprising a drawer having a bottom and side walls, a plurality of buttress plates extending transversely of said drawer, said buttress plates dividing said drawer into a plurality of compartments, each plate being provided with laterally extending flat lugs near its bottom edge, and means providing narrow, vertical slots at the sides of the drawer near the bottom, in which slots said lugs are engaged and have limited movement.

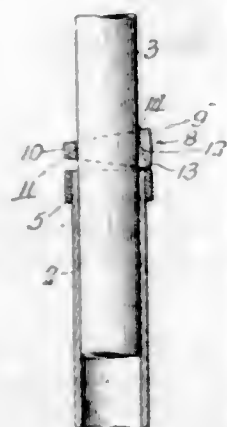
1,734,169. TOILET-SEAT HINGE. PAUL A. JOHNSON, Grand Haven, Mich., assignor of one-half to Alvin E. Jacobson, Grand Haven, Mich. Filed Apr. 9, 1928. Serial No. 268,768. 5 Claims. (Cl. 4—236.)



1. A hinge comprising, a supporting post having a head with a lateral opening in a side thereof, a hinge member

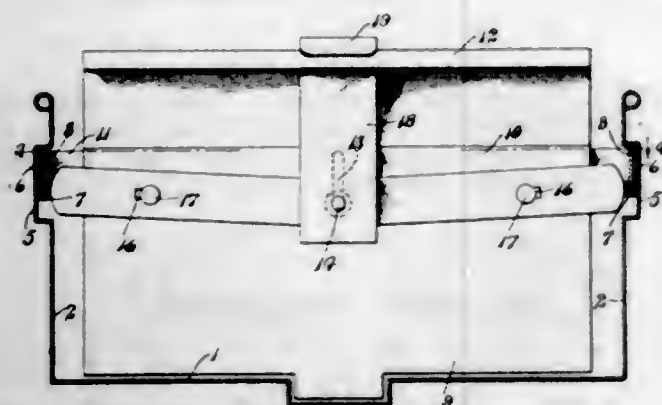
including an intermediate vertical section, a horizontal pin at the lower end thereof to enter the opening in said head, a horizontal forwardly extending section at the upper end of the vertical section and an upwardly extending head at the forward end of said horizontal section having a lateral opening therein, and a hinge pin provided with an annular outwardly extending collar a short distance from one end thereof, said hinge pin being received in the opening of the last mentioned head at one end thereof with the collar lying against a side of the head.

1,734,170. TENT POLE. CHARLES B. LEFFERT, Chicago, Ill., assignor to United States Tent & Awning Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 10, 1926. Serial No. 153,746. 4 Claims. (Cl. 135-15.)



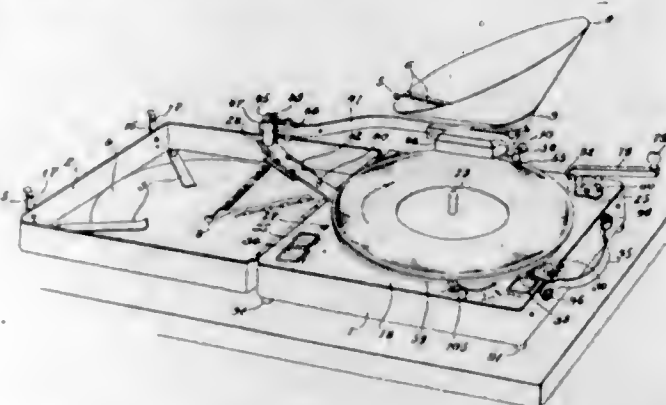
1. A tent pole comprising pole sections the one telescopic with respect to the other, a ring surrounding one pole section and having a portion engaging at one end with the end of the other pole section for a fulcrum movement thereon to cause the other end of said portion of said ring to bind against the first mentioned pole section upon a telescopic contraction of said pole sections.

1,734,171. FILE-DRAWER COMPRESSOR. FRED B. LINESAGER, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Nov. 28, 1927. Serial No. 236,143. 6 Claims. (Cl. 129-27.)



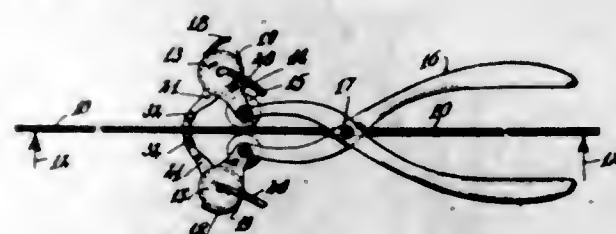
4. In combination with a drawer, a follower member, a guide on the drawer having a channel portion, a slide fixed to said follower and slidable in said channel portion of said guide, and manually operable means for pinching the channel portion of the guide against the slide to hold the slide and follower immovable.

1,734,172. PHONOGRAPH. CHARLES P. MADSEN, Harmon, N. Y., assignor, by mesne assignments, to William W. Varney, Baltimore, Md. Original application filed May 1, 1925, Serial No. 27,208. Divided and this application filed July 26, 1927. Serial No. 208,518. 7 Claims. (Cl. 274-2.)



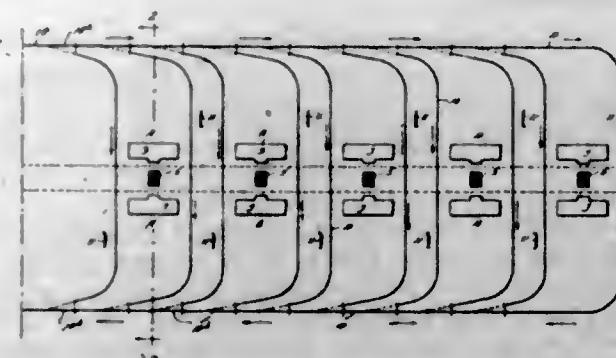
1. In a phonograph containing a top plate, means for swingingly mounting, a means of support for a reproducer on said top plate, raised stops lanced from said top plate to limit the movement of said supporting means, so swingingly mounted on said top plate.

1,734,173. RAZOR SHARPENER. ANTONIO MATARESE and ESTERAN CENTENARO, Buenos Aires, Argentina. Filed Jan. 10, 1928. Serial No. 247,126. 3 Claims. (Cl. 9-62.5.)



1. A device of the class described, comprising containers adapted to hold a paste and air pressure, projections therefrom, rollers mounted in the projections and adapted to engage the sides of a strip of cloth, handles continuing from the projections, said handle being hinged to function in the engaging of the rollers to the strip, air pipes connected to the containers, and adjustable spouts formed in the containers and directed to the strip.

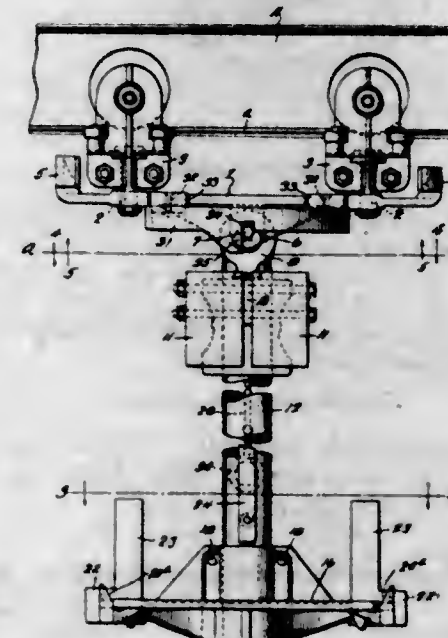
1,734,174. MOLDING SYSTEM. FRANK E. MCCABE, Chagrin Falls, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 19, 1925. Serial No. 57,833. 4 Claims. (Cl. 22-20.)



1. In foundry apparatus associated with molding, pouring and shake-out stations, an endless carrier track, a

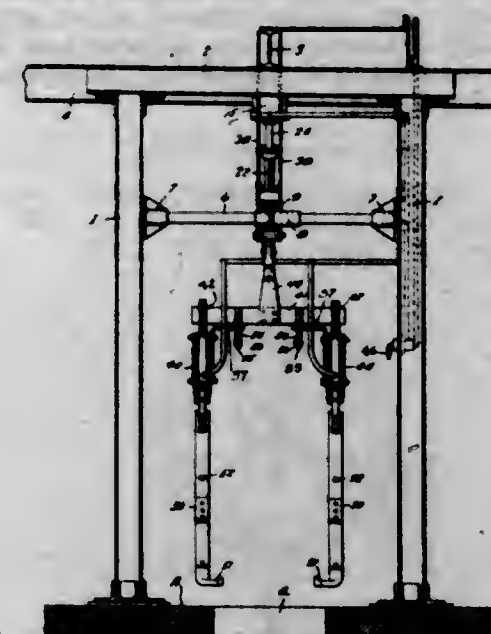
plurality of mold support carriers adapted to run on said track, side tracks shunting said track and switches for selectively directing said carriers to and from said tracks and said side tracks whereby some of said mold carriers can be shunted around other carriers and delay at one point of the system will not impede the whole system.

1,734,175. MOLD CARRIER. FRANK E. MCCABE, Chagrin Falls, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Sept. 19, 1925, Serial No. 57,833. Divided and this application filed Mar. 25, 1927. Serial No. 178,253. 15 Claims. (Cl. 105-156.)



1. A mold carrier for use in a molding system involving a track, said carrier comprising a trolley movable along the track, a mold support rotatably sustained by the trolley, and latch mechanism for locking said support in different positions with respect to the trolley.

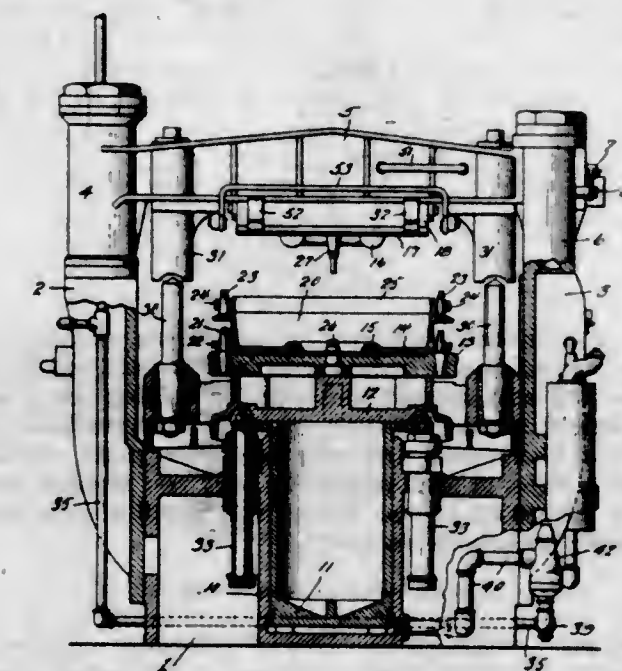
1,734,176. MOLD-SHAKE-OUT APPARATUS. FRANK E. MCCABE, Chagrin Falls, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Sept. 19, 1925, Serial No. 57,833. Divided and this application filed Mar. 25, 1927. Serial No. 178,254. 14 Claims. (Cl. 22-1.)



1. In mold shake-out apparatus, the combination of means for grappling and holding against tilting the lower-

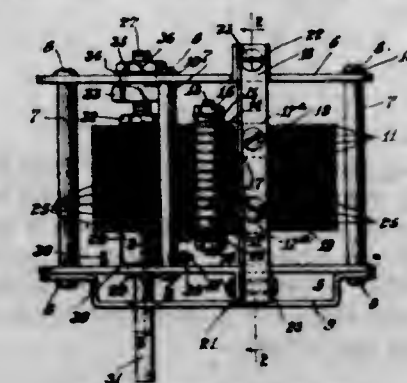
most flask of a stack of mold flasks and for lifting said stack from a support and for sustaining it with the interiors of the superposed flasks in register, and further means for vibrating the lifting and sustaining means thereby to dislodge the sand and castings from all of the flasks and precipitate those from the upper flasks through the openings of the lower flasks.

1,734,177. MOLD-MAKING MACHINE. FRANK E. MCCABE, Cleveland, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 29, 1927. Serial No. 187,479. 2 Claims. (Cl. 22-26.)



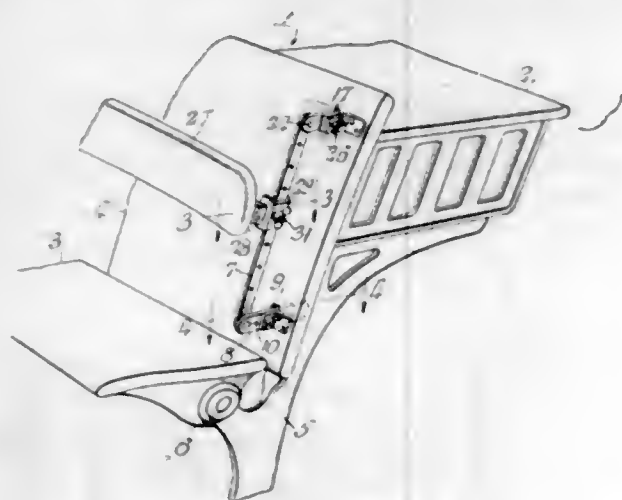
1. In a molding machine, the combination of a mold flask support, a superposed pattern toward and from which said support is movable, compressed gas means for elevating the support, a conduit and a valve for introducing and regulating the gas delivered directly to said means, a gas supply conduit having an adjustable orifice therein, and a chamber between said orifice and said valve for storing a volume of compressed gas whereby the initial upward velocity of the support will be great and the final upward velocity will be retarded to permit material in said flask to be thrown into the interstices of the upper pattern.

1,734,178. ELECTRICAL CONDENSER. FRANK W. McDONNELL, Brooklyn, N. Y., assignor to Aluminum Screw Machine Products Company, Edgewater, N. J., a Corporation of New Jersey. Filed Jan. 21, 1926. Serial No. 82,655. 6 Claims. (Cl. 175-41.5.)



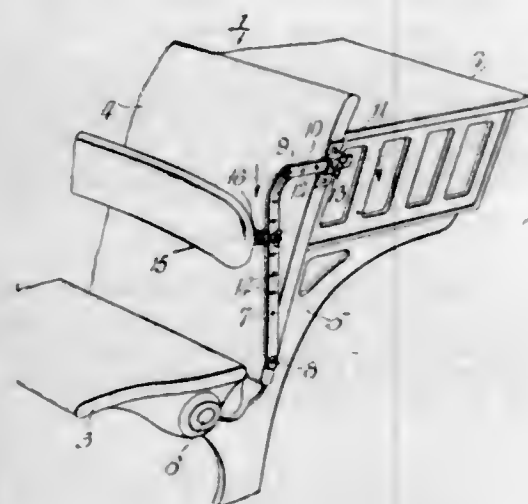
1. An electrical condenser comprising two fixed frame plates and stator and rotor groups of condenser plates in which the stator group of plates is secured to each frame plate at a single point by means permitting the adjustment thereof with reference to the rotor group of plates about two axes parallel to the plane of the frame plates and perpendicular to each other.

1,734,179. BACK-REST CONSTRUCTION. PERCY W. OLSON, St. Paul, Minn., assignor to William S. Ferris, Elkhart, Ind., trading as The Domore Chair Company. Filed Feb. 18, 1927. Serial No. 169,180. 6 Claims. (Cl. 155-156.)



1. A back rest construction embodying therein, side arms pivoted at one end to a support, means operatively connecting said support and arm for holding the arm in the desired angular position, a member longitudinally adjustable along said arm and including parts engaging opposite edges of said arm, and a back rest member operatively connected at one end to said parts of said longitudinally adjustable member.

1,734,180. BACK-REST ARRANGEMENT. PERCY W. OLSON, St. Paul, Minn., assignor to William S. Ferris, Elkhart, Ind., trading as The Domore Chair Company. Filed Feb. 18, 1927. Serial No. 169,181. 4 Claims. (Cl. 155-156.)

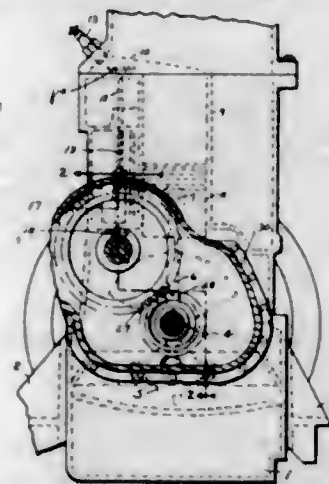


4. In combination with a seat and a back member, side arms pivotally connected at one end to the back member adjacent the seat, a bar pivotally connected at one end to each side arm and adjustably secured at its other end to said back member to permit a change in the angular position of said side arms and a back rest member adjustably secured to said side arms.

1,734,181. INTERNAL-COMBUSTION ENGINE. CHARLES W. PENDOCK, Milwaukee, Wis., assignor to Le Roi Company, West Allis, Wis. Filed May 14, 1923. Serial No. 638,746. 13 Claims. (Cl. 123-197.)

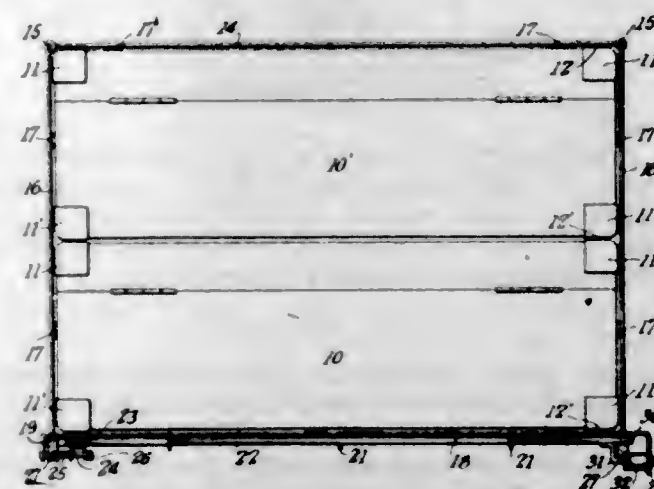
1. An internal combustion engine including a crank shaft, a crank case provided with journals for the crank

shaft, a cam shaft having a portion adequate for the transmission of full engine power, a housing enclosing said cam shaft portion and provided with adequate bearings therefor, said housing being in communication with the interior of said crank case, an oil collecting channel above one of



said bearings and provided with a passage leading thereto, intermeshing gearing upon the crank shaft and the cam shaft within said housing, and means for maintaining a constant level of oil in said housing, the level being such that one of said gears will dip therein whereby said gearing and said bearing are lubricated.

1,734,182. LUGGAGE GUARD. JESSE ROSENBAUM, Brooklyn, N. Y. Filed Jan. 19, 1929. Serial No. 333,730. 7 Claims. (Cl. 224-29.)



1. A guard for containers comprising a top bar and side bars hinged at the ends thereof, a support plate, a locking bolt slidable on said support plate to secure said guard bars in operative position, a key operated lock for said locking bolt, and means to release said guard bars when said lock is key opened.

1,734,183. REGISTERING MECHANISM. ALBERT F. SHONE, New York, N. Y. Filed June 30, 1927. Serial No. 202,500. 3 Claims. (Cl. 116-129.)



1. A main pointer-hand for a micrometer dial gage, said hand having a prolonged ferrule, and an auxiliary pointer-

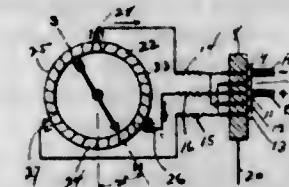
hand provided with an eye-end adapted to fit tightly on to said ferrule, said eye-end being split to permit of easy application and locking for all ordinary purposes of operation and adjustment to any desired position relative to the radial position of the main hand.

1,734,184. NIPPLE FOR WIRE SPOKES. EDWARD W. STOLER, Mansfield, Ohio. Filed May 26, 1928. Serial No. 280,777. 1 Claim. (Cl. 85-32.)



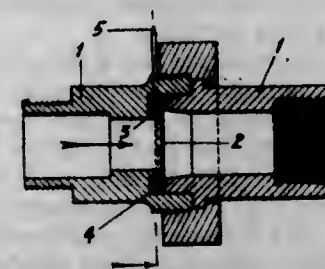
In a nipple for a wire spoke, a cylindrical centrally screw threaded body, having a polygonal wrench engaging means at one end thereof and having an annularly and laterally extended seating portion provided with a spherical convex bearing surface, said seating portion being intermediate of said body and wrench engaging means.

1,734,185. FLUID-LEVEL INDICATOR. THOMAS VEITCH, Brielle, N. J., assignor of one-half to Henry L. Perez, Bronxville, N. Y. Filed Dec. 5, 1924. Serial No. 754,006. 2 Claims. (Cl. 177-351.)



2. A device of the character described comprising in combination an indicator having a plurality of magnetic field producing means arranged in a closed series symmetrically disposed around an axis and having terminals connected to the junctures between them, an indicator member responsive to the joint action of said field producing means, a circuit changer comprising a plurality of contacts arranged in sequence and equal in number to one less than twice the number of terminals, means for connecting one after another in succession all of the successive contacts of the plurality to the successive terminals in rotation around the axis, a pair of brushes connected to the opposite sides of a source of supply and spaced apart in the direction of extension of said series of contacts, said brushes and contacts being movable relative to each other and the spacing of the brushes being such that the brushes in their movement will energize the field producing means in permutation to produce resultant fields equal in number to four times the number of the field producing means each in a direction different from the others and means for controlling the relative position of the brushes and contacts.

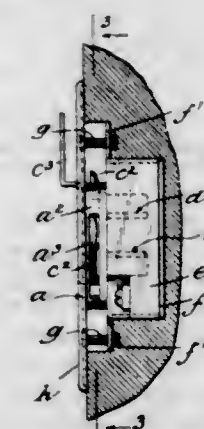
1,734,186. FIRE-EXTINGUISHING ARRANGEMENT. LUCIEN WEIDMANN and ERNEST TITTEL, Basel, Switzerland. Filed July 12, 1927, Serial No. 205,185, and in Switzerland July 14, 1928. 3 Claims. (Cl. 169-19.)



1. A fire extinguishing arrangement comprising in combination a pressure conduit for extinguishing fluid, a disk

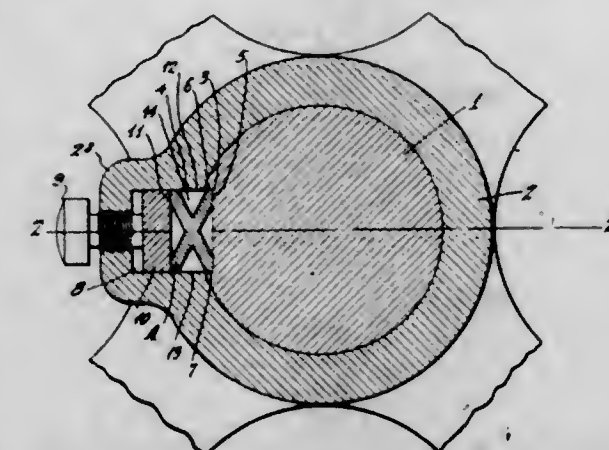
having a body portion normally closing said conduit, a marginal portion clamped to the conduit and an intervening fusible portion, an electric heating wire nearly but not completely surrounding said fusible portion of the disk, an electric circuit to which said heating wire is connected, and means for automatically closing said circuit when a conflagration occurs so that current flowing through the heating wire will fuse that part of the fusible portion of the disk engaged by the wire, leaving an intact part connecting the separated body of the disk with the clamped marginal portion and on which the disk body may swing to open the conduit for fluid flow.

1,734,187. ELECTRICAL CONNECTING AND SUPPORTING DEVICE. ERNEST CANTELO WHITE, New York, N. Y., assignor to Electric Outlet Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 28, 1923. Serial No. 635,208. 2 Claims. (Cl. 173-330.)



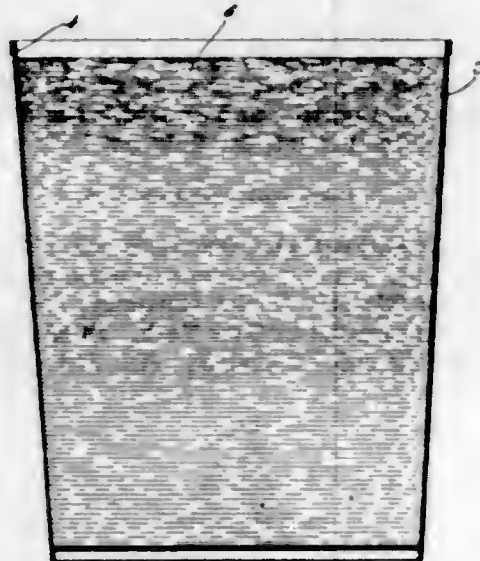
1. In an electrical receptacle, a plate, a flange formed by a turned in portion of the plate and providing a triangular shaped recess therein, openings in the flange, a plug adapted to be inserted in the recess and a triangular flange on the plug adapted to fit into the recess and engaging the openings upon turning of the plug after insertion in the recess.

1,734,188. MEANS FOR KEYING SHAFTS TO HUBS. WYLLIE G. WILSON, Jersey City, N. J., assignor to Wilson Rings Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 26, 1926. Serial No. 104,677. 1 Claim. (Cl. 287-52.)



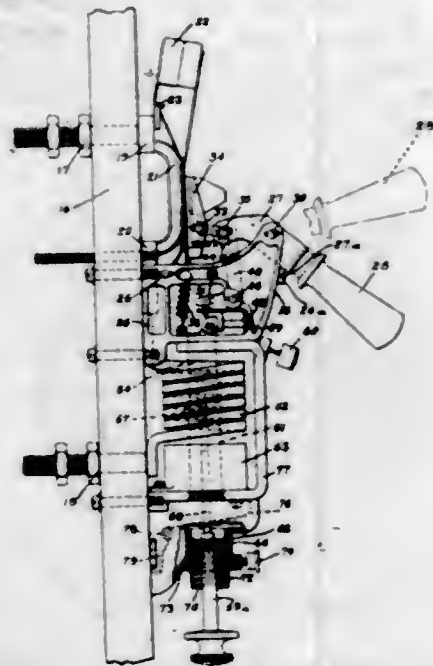
Means for keying a hub to a shaft, which consists in a hub and shaft with oppositely disposed keyways of right angular form in cross section, in combination with a key of cruciform cross section and loosely fitting in said keyways, said key having bearing faces parallel with the axis thereof, with means to exercise on said key a cross-axial compression within the elastic limit of said key and to release such compression, said key being made of obdurate material and having the characteristic that it is resilient under cross-axial compression and reactive when such compression is relieved.

1,734,189. CONTAINER FOR ASPHALTS AND THE LIKE. JAMES HOWARD YOUNG, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 6, 1926. Serial No. 139,890. 2 Claims. (Cl. 220-64.)



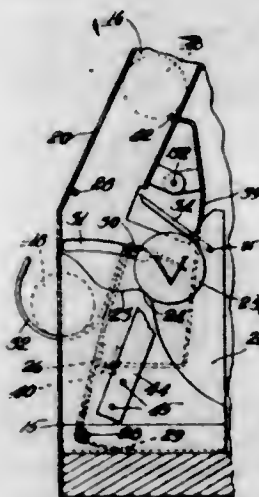
1. A receptacle in which molten asphalt and the like may be stored to form a solid mass or plug when cold and from which the solid plug of cold asphalt may be removed as one piece by inversion of the receptacle, said receptacle comprising a hollow container having its interior surface free from projections and coated with glycerine "foots" forming a lubricating layer insoluble in the hot asphalt and non-adhesive to the cold asphalt and which acts as a lubricant for the asphalt plug and enables the latter to be slid out of the container by inversion of the latter.

1,734,190. CIRCUIT BREAKER. WALTER M. AUSTIN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 13, 1922. Serial No. 552,149. 12 Claims. (Cl. 200-106.)



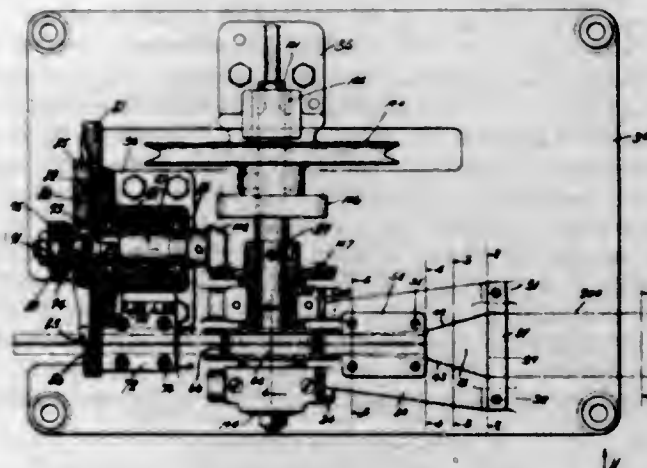
1. A latching mechanism for maintaining a movable member in a predetermined position which comprises a pair of link members arranged as a toggle joint, a second toggle joint for maintaining the first named joint in under-set position, pintles for the toggle joints, and means whereby the pintles of the second named toggle are maintained in substantial alignment comprising a resilient member cooperating with two links of the toggle and supported by their common pintle.

1,734,191. COIN-CONTROLLED MECHANISM FOR VENDING MACHINES. WILLIAM H. AVERILL, Boston, Mass., assignor to Joseph Pollak Tool and Stamping Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 17, 1928. Serial No. 313,029. 4 Claims. (Cl. 194-88.)



1. A vending machine comprising a casing containing an article holder adapted to receive and permit downward movement of a column of articles, and a coin chute located beside the holder, and a coin-controlled coin-pushing, article let-off, and a coin-controlled mechanism adapted to push a coin in the chute, let-off articles one by one from the holder, and deliver a released article at the front of the casing, said mechanism including a lever movable under the holder and provided with a coin pusher projecting into the chute, a spring normally maintaining the lever in a starting position, and a tray fixed to the lever, and normally projected thereby from the front of the casing.

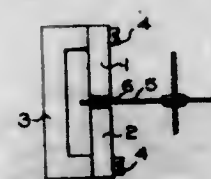
1,734,192. INSULATION-FORMING MACHINE. RUSSELL W. BAKER, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 15, 1928. Serial No. 94,980. Renewed Apr. 3, 1928. 13 Claims. (Cl. 270-86.)



1. A machine for forming insulation pieces from flat sheet material which comprises means for folding the material; cutting means which includes an apertured shear block through which the material is guided, and a rotary cutter cooperating with the block.

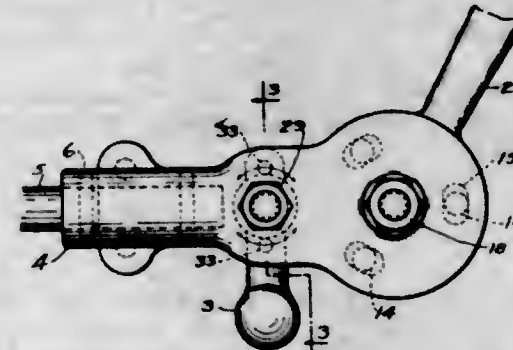
5. The method of folding a flat strip of paper to provide a piece having a cross-section characterized by a web portion joining substantially L-shaped flanges, one leg of each flange abutting the web and the other legs contiguous, which consists in bringing the side marginal portions together without creasing the intermediate portion forming a tubular portion, and in flattening the intermediate tubular portion so that it is located in planes substantially at right angles to the planes of the contiguous side marginal portions.

1,734,193. METER-DAMPING MAGNET. WILHELM BRETZ, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 27, 1927. Serial No. 163,918, and in Germany Feb. 16, 1926. 5 Claims. (Cl. 175-21.)



1. A drag magnet for meters comprising a plurality of cobalt-steel members, a separating member suitably slotted therefor and adapted to balance the weight of the steel members, and means for securing the steel members and the separating member together.

1,734,194. STABILIZER. RICHARD E. BIRD and JOHN H. PATTERSON, Seattle, Wash. Filed June 22, 1926. Serial No. 117,771. 3 Claims. (Cl. 280-89.)



2. In a stabilizer for the steering gear of a motor vehicle, two parallel plates having a hub attached to their edges at one side, a spindle arm, a hub on the said spindle arm, means for frictionally holding the hub between the said plates, another arm also having a hub pivotally mounted between the said plates, balls in recesses in the hub of the said latter arm cooperating with recesses in one of the said plates to spread the said plates and relieve the friction on the hub of the said spindle arm, and means for resiliently holding the said plates against the hub of the said spindle arm.

1,734,195. HARNESS CONSTRUCTION. EDWARD BLECHA, Humboldt, Nebr. Filed May 2, 1929. Serial No. 359,837. 4 Claims. (Cl. 54-36.)



1. A harness rein including a main line, a check line secured to the main line, a wedge shaped member dis-

posed between the lines and secured thereto at the point where the check line connects with the main line, and snap hooks at the outer ends of the lines.

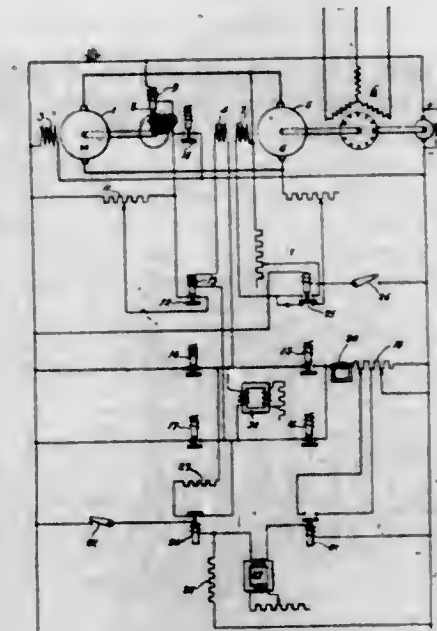
1,734,196. PROCESS OF MAKING ALUMINUM CHLOROSULPHATE. HENRY BLUMENBERG, Jr., Moapa, Nev. Filed May 18, 1927. Serial No. 192,495. 2 Claims. (Cl. 23-60.)

1. A process of making aluminum chloro sulphate comprising treating a dehydrated mixture of aluminum oxide and aluminum sulphate with hydrochloric acid fumes.

1,734,197. FILTERING MATERIAL. HENRY BLUMENBERG, Jr., Los Angeles, Calif. Filed Dec. 15, 1927. Serial No. 240,212. 1 Claim. (Cl. 210-203.)

A filtering material for use as a purifying, deodorizing and oxidizing agent, containing copper sulphate, calcium hypochlorite, the proportions by weight being one molecule of copper sulphate to one molecule of calcium hypochlorite, and an inert cellular material.

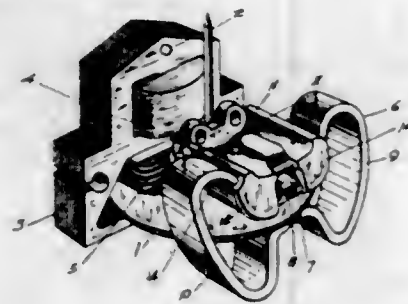
1,734,198. SYSTEM OF CONTROL. EDGAR M. BOUTON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 14, 1924. Serial No. 743,512. 8 Claims. (Cl. 172-239.)



1. The combination with an electric motor and a variable-voltage generator therefor, of means comprising a separately excited field-magnet winding for controlling the generator, a second field-magnet winding for effecting demagnetization of said generator, and means for rendering the second winding effective as a damper-winding throughout the accelerating period.

2. The combination with an electric motor and a variable-voltage generator therefor, of manually operable means for varying the generator voltage, means for automatically controlling said voltage during deceleration of said motor and means controlled in accordance with the generator excitation for regulating the braking of said motor.

1,734,199. DAMPING SYSTEM. WILLIAM M. BRADSHAW, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 24, 1927. Serial No. 242,488. 4 Claims. (Cl. 171-34.)

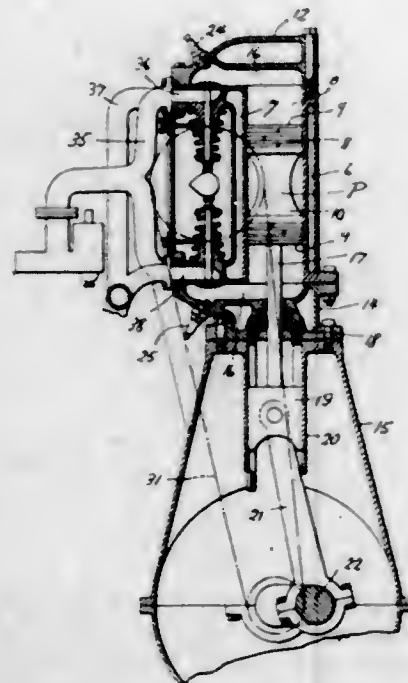


2. A damping system comprising a plurality of permanent magnets, a non-magnetizable bracket securing said magnets in fixed position with respect to each other, and a sheet-like strip of temperature responsive magnetizable metal clamped between said bracket and said magnets.

1,734,200. PROCESS OF MAKING ALUMINUM CHLORIDE. AMOS M. BULEY, Los Angeles, Calif., and HENRY BLUMENBERG, Jr., Moapa, Nev. Filed Aug. 31, 1926. Serial No. 132,889. 1 Claim. (Cl. 23-95.)

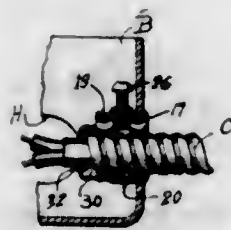
A process of making aluminum chloride comprising subjecting molten aluminum to the action of chlorine in the presence of a carbon capable of acting as a reducing agent under agitation and condensing the aluminum chloride vapors formed.

1,734,201. INTERNAL-COMBUSTION ENGINE. PAUL M. CASEAT, Abilene, Kans. Filed Oct. 14, 1926. Serial No. 141,583. 1 Claim. (Cl. 12-57.)



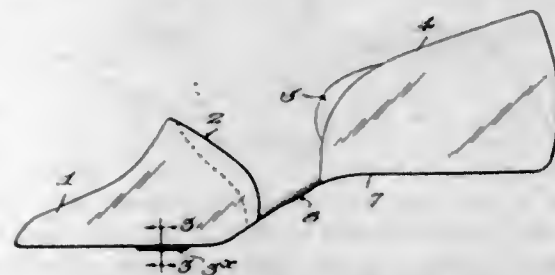
In an internal combustion engine construction comprising a base, a block detachably secured upon said base, and a head detachably secured upon said block, said block having a cylinder bore therethrough and intake and exhaust pockets at each end thereof, the opposed sides of the base and head being dished for communicating said pockets and cylinder bore.

1,734,202. CABLE CONNECTER. LEWIS H. CHURCH, Roselle, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed Feb. 4, 1927. Serial No. 165,785. 7 Claims. (Cl. 247-25.)



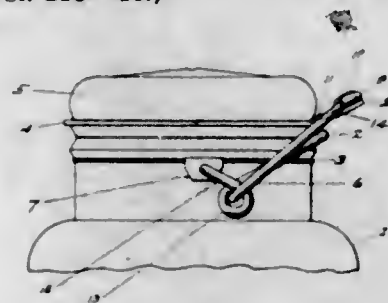
1. A connector member including box hole anchorage means, operating means carried with the connector, and a separate bushing including means to attach it to an armored cable end upon engagement by said operating means.

1,734,203. MEANS FOR FITTING LASTS AND SHOES. WILLIAM J. DE WITT, Auburn, N. Y., assignor to The Shoe Form Co., Inc., Auburn, N. Y., a Corporation of New York. Original application filed Apr. 21, 1927. Serial No. 185,615. Divided and this application filed Nov. 14, 1927. Serial No. 232,962. 16 Claims. (Cl. 12-128.1.)



1. A fit determining shell of stiffly resilient transparent material comprising a bottom, forepart and heel portion, said parts conforming closely in size and contour to the surfaces of corresponding parts of a shoe last, the shell being flexible adjacent to its heel portion to permit relative movement of the heel and forepart portions.

1,734,204. JAR OPENER. NOAH C. DISCO, Pittsfield, Mass. Filed Dec. 27, 1927. Serial No. 242,720. 3 Claims. (Cl. 215-46.)

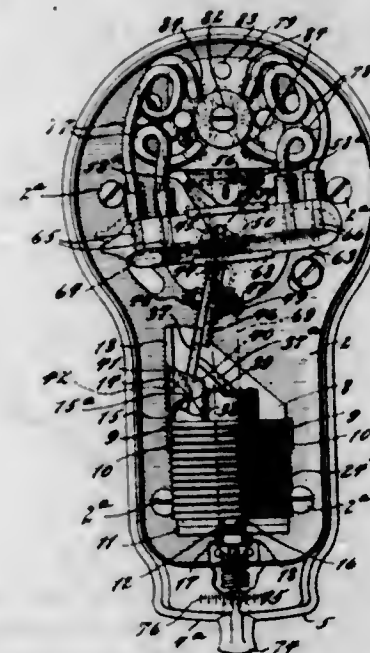


1. The combination with a jar having a cover, and a centrally looped binder permanently mounted thereon for holding the cover down on a jar, of a beveled wedge pivotally and permanently connected to the binder loop for projecting under the edge and loosening the cover.

1,734,205. CONTROLLING MEANS. LEWIS W. EGGLESTON, Buffalo, N. Y., assignor to American Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed June 4, 1923. Serial No. 643,146. 29 Claims. (Cl. 200-81.)

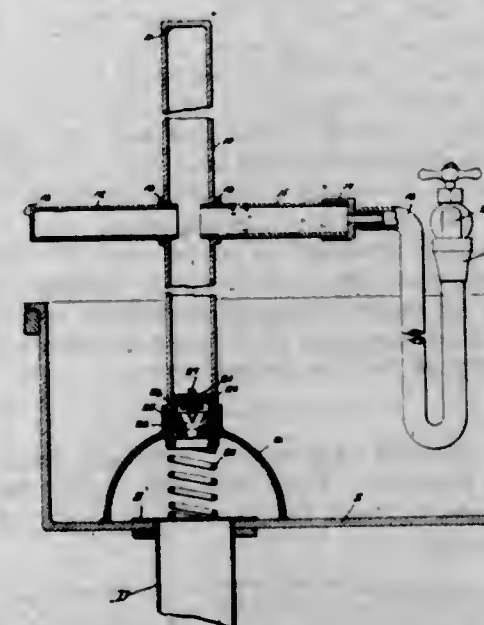
1. In a device of the character described, controlling means, operating means responsive to a characteristic of

a gas or fluid, a lever for transmitting motion from said operating means to said controlling means, a spring acting on the lever throughout the movement of the latter to op-



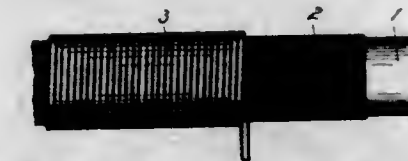
pose said operating means, and means for so supporting said spring that the leverage of the latter relative to said lever is automatically reduced when said lever is operated by said operating means.

1,734,206. HYDRAULIC CLEAN-OUT DEVICE. HENRY W. FISCH, Los Angeles, Calif. Filed May 8, 1929. Serial No. 361,391. 3 Claims. (Cl. 4-256.)



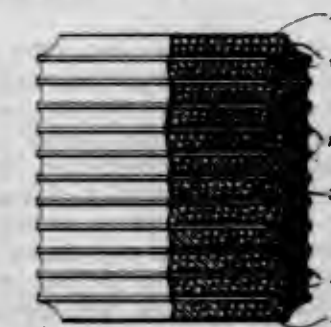
1. A clean-out device for sinks and the like comprising a handle, a dome-shaped resilient cap mounted on the handle adapted to be positioned over a sink, and a spring secured within the cap adapted to engage the sink and return the cap and handle to normal position after the cap has been depressed.

1,734,207. METHOD OF MANUFACTURING LONG-DISTANCE TELEGRAPH AND TELEPHONE CABLES. ERNST FISCHER, Berlin-Tempelhof, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany, a Corporation of Germany. Filed Jan. 5, 1927. Serial No. 159,204, and in Germany Jan. 5, 1926. 2 Claims. (Cl. 178-45.)



1. Method of manufacturing long distance telegraph and telephone cables loaded over the entire length with heat treated magnetic material, consisting in providing the cable with a heat insulating layer comprising a mixture of an essential portion of non-combustible with combustible material before the magnetic material is applied and in then annealing the applied magnetic material, whereby the combustible material of said layer is consumed and the remainder of the layer is left in a porous condition.

1,734,208. LIGHTNING-ARRESTER UNIT. LAWRENCE R. GOLLADAY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1923. Serial No. 613,933. 2 Claims. (Cl. 175-30.)



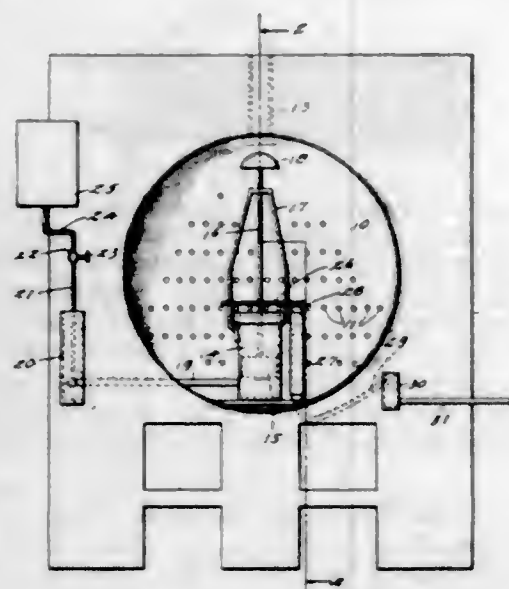
1. A lightning-arrester unit comprising a stack of discs of composition resistor material spaced about three mils and having a sufficient resistivity to prevent the concentration of the discharge into a low-voltage arc, characterized by having a hardened coating of insulator material, around the side walls of the stack, of sufficient strength and rigidity to protect the stack against displacement or crushing of its composite discs during ordinary usage.

1,734,209. INSULATING STRUCTURE. KENNETH W. HUFFINE, Alexandria, Ind., assignor, by mesne assignments, to Banner Rock Corporation, Alexandria, Ind., a Corporation of Delaware. Filed June 11, 1927. Serial No. 198,234. 3 Claims. (Cl. 154-44.)



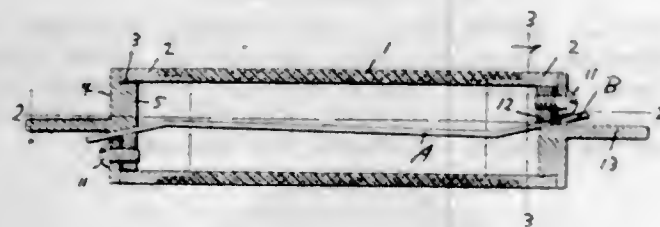
3. An insulating structure including a multiple segment fire-proof and heat insulating body portion, a metal lath backing the same, a metal screen covering the body segments opposite the lath supported portion thereof and secured to the lath, and an imperforate metal sheet covering the same and secured to the lath.

1,734,210. DRAFT CONTROL FOR STEAM-BOILER FURNACES. JAMES A. JOHNSON and GEORGE A. BENSON, Virginia Beach, Va., assignors to Draft-Rater Corporation, Norfolk, Va., a Corporation of Virginia. Filed Mar. 3, 1928. Serial No. 258,976. 7 Claims. (Cl. 236-45.)



1. In a furnace having a smoke box and a smoke flue extending therefrom, a damper mounted within the smoke box and below the lower end of the flue and adapted to move toward or from the flue, the damper being movable toward the flue under the suction created by an increased draft through the flue, a vertically disposed rod upon which the damper is mounted, means acting to limit the downward movement of the rod and damper, said means comprising a float mounted upon the rod, a liquid chamber in which said float is disposed, and manually operable means for increasing or decreasing the amount of liquid in the chamber.

1,734,211. RENEWABLE FUSE. JARL JOHNSON, Fort Frances, Ontario, Canada. Filed May 4, 1928. Serial No. 277,699. 2 Claims. (Cl. 200-132.)

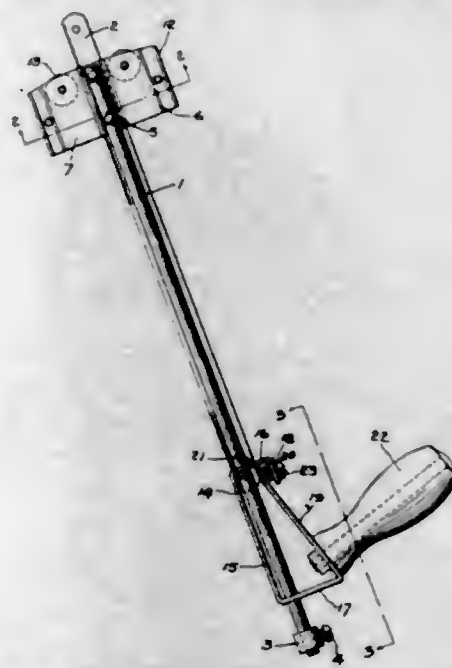


1. In a fuse cartridge, a shell open at each end, a cap for each end of said shell, said caps being each provided with a fork at their inner sides, a clamp member carried on each fork, one end of said clamp member being adapted to engage the inner surface of the shell for securing the cap to the shell and the other end being adapted to engage one end of a fusible element for securing the same within the shell.

1,734,212. SAW FRAME. JOHN J. JOHNSTON, Vancouver, British Columbia, Canada, assignor to Johnston Tool Company, Vancouver, Canada. Filed June 25, 1928. Serial No. 288,208. 4 Claims. (Cl. 143-60.)

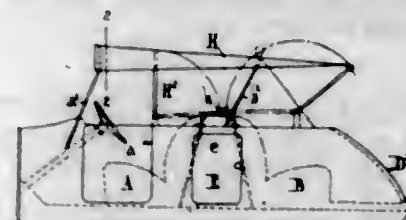
1. A saw structure comprising a guide, a saw blade movable along said guide, handle means for moving said blade and a head at one end of the guide equipped with

upper and lower rollers spaced apart to provide an intervening passage through which an end of the saw blade is projected beyond said head, said lower roller being



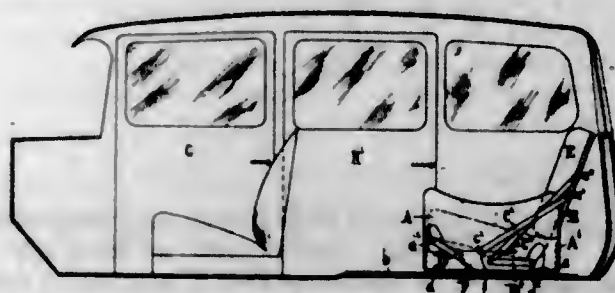
adapted to engage and travel along a face of the work and said upper roller being adapted to be engaged with the back edge of the saw blade to form a bearing therefor.

1,734,213. MOTOR-CAR BODY. EDWARD PETER JONES, Chester, England. Filed Dec. 23, 1926, Serial No. 156,736, and in Great Britain Nov. 5, 1926. 2 Claims. (Cl. 296-1.)



1. As a new article of manufacture, a motor car comprising a body of the open type provided with a protected observation compartment in the rear thereof, an observation seat for said compartment adapted to face the rear and substantially about the conventional front seat of the car, a rigid screen sloping over the observation compartment adapted to extend across the back and around the sides of the observation seat and partially enclose the compartment, a centrally collapsible top adapted to extend over the observation compartment and the front seat of the body designed to fit between the observation compartment and the front seat in collapsed position, and a pair of doors extending forwardly and upwardly over the compartment to protect the occupants and provide an entrance for the compartment.

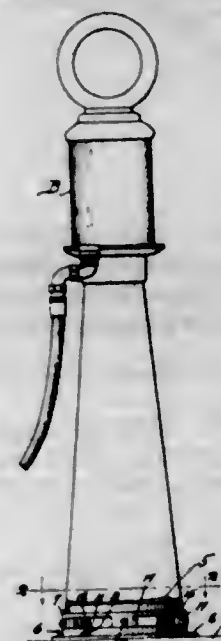
1,734,214. MOTOR-CAR BODY. EDWARD PETER JONES, Chester, England. Filed Nov. 29, 1927, Serial No. 236,466, and in Great Britain Aug. 25, 1927. 2 Claims. (Cl. 296-65.)



1. In a motor car body, the combination with a front seat, of a rear seat, a back rest for the rear seat, a frame

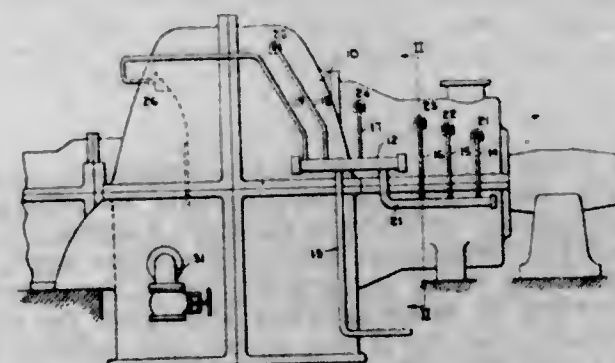
supporting the rear seat, link members connecting the rear seat to the frame and supporting the back rest, so that the latter can be swung over to reverse the position of the rear seat, slides on which the frame is mounted, a toothed device on the end of one of the links, a projecting device on the floor of the car, adapted to be engaged by the toothed device, so that a sliding movement of the seat will actuate the links to reverse the back rest, a door at the rear of the body to give access to the rear seat, when it is facing rearward, and doors at the sides of the body to give access to the rear seat, when it is facing forward.

1,734,215. LEVELING DEVICE. JAMES A. KINARD, Big Spring, Tex., assignor of one-half to V. A. Stovall, Austin, Tex. Filed May 26, 1928. Serial No. 280,916. 1 Claim. (Cl. 248-15.)



An adjustable base for gasoline dispensing pumps, including a stationary section and an upper movable section in which the standard of the pump is held, upstanding flanges forming a part of the stationary section, said upstanding flanges having elongated openings, depending flanges on the movable section and resting against the upstanding flanges of the stationary section, securing bolts passing through the flanges of the movable section and held within the elongated openings of the first mentioned flanges to hold the movable section in its positions of adjustment, and means operating between the sections for adjusting the vertically movable section with respect to the stationary section.

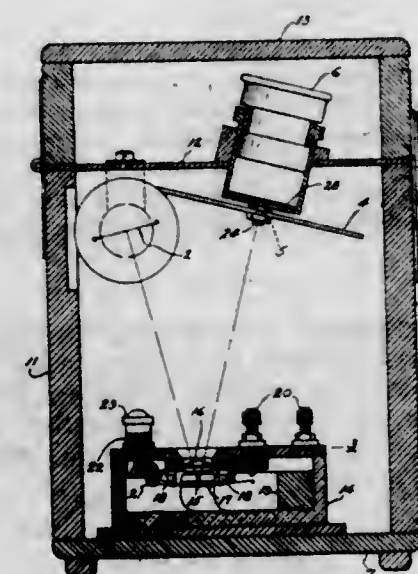
1,734,216. ELASTIC-FLUID TURBINE. CARL J. LAMB, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 19, 1927. Serial No. 185,034. 11 Claims. (Cl. 253-1.)



1. A turbine casing having an annular space therein and provided with means for cooling the same comprising

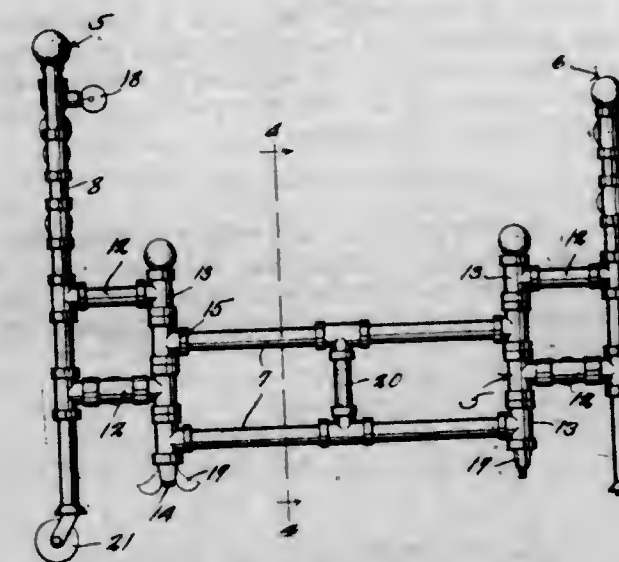
a tangentially-disposed nozzle therein, and means for injecting a cooling medium therethrough into the annular space within the casing.

1,734,217. OSCILLOGRAPH. JOSEPH W. LEGG, Wilkesburg, Pa., assignor to Western Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 10, 1925, Serial No. 61,810. Renewed May 13, 1929. 29 Claims. (Cl. 171-95.)



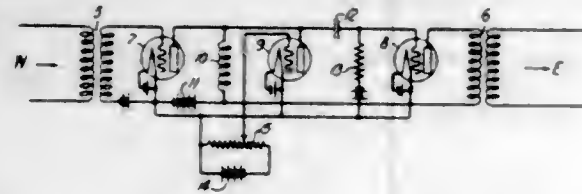
3. The combination in an oscillograph of a source of light, means for displacing light rays from said source, viewing means, and rotatable means adapted to focus said displaced light rays into multiple images in the focal plane of said viewing means.

1,734,218. BEDSTEAD. WILLIAM LENOX, Russell, N. Y. Filed Dec. 30, 1927. Serial No. 243,674. 1 Claim. (Cl. 5-176.)



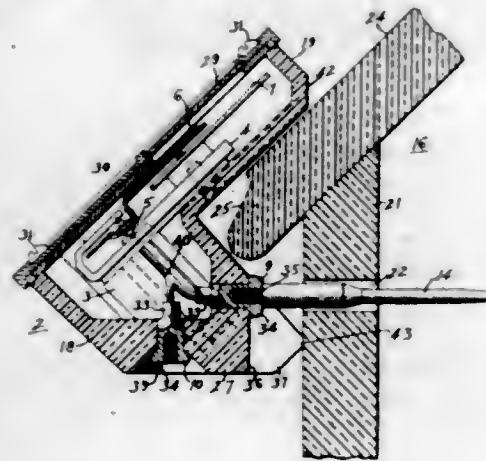
A folding bedstead including a head section and a foot section, spaced inwardly extended members on the head and foot sections, T couplings at the free ends of the inwardly extended members, side members formed of spaced horizontal bars having T couplings at their ends, the T couplings of the side sections being disposed in alignment and in contact with the couplings of the inwardly extended members, rods extending through the T couplings to pivotally connect the side members, and means on the rods for setting up a binding action between the T couplings to hold the side members against movement.

1,734,219. TRANSMISSION REGULATION. GEORGE T. LORANCE, New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Feb. 27, 1925. Serial No. 11,977. 21 Claims. (Cl. 178-44.)



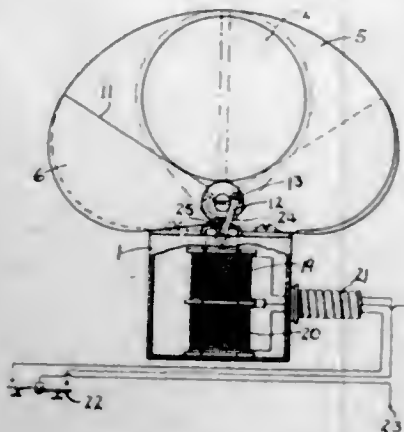
17. In a transmission system, a transmitting medium having signalling energy impressed thereon, a space discharge device in shunt to said medium, and control means independently connected to said medium for varying the impedance of said space discharge device only in accordance with transmission conditions obtaining on said medium.

1,734,220. ELECTRICAL MEASURING INSTRUMENT. PAUL MACGAHAN, Orange, N. J., and LOUIS STALDER, Turtle Creek, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 6, 1928. Serial No. 259,495. 9 Claims. (Cl. 171-95.)



5. A measuring instrument comprising a casing including a base portion and an inclined dial-face portion permitting the base portion to rest adjacent to a vertical side of a gabled support and the dial-face portion to overhang the gabled portion of the support.

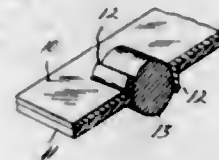
1,734,221. SHUTTER FOR MOVING-PICTURE PROJECTORS. HENRY C. MARKHAM, Houston, Tex., assignor of one-half to Will Horwitz, Houston, Tex. Filed Apr. 7, 1928. Serial No. 268,116. 10 Claims. (Cl. 88-19.3.)



9. A dowsers for projection machines including in combination a support, a shield mounted thereon, a pivot

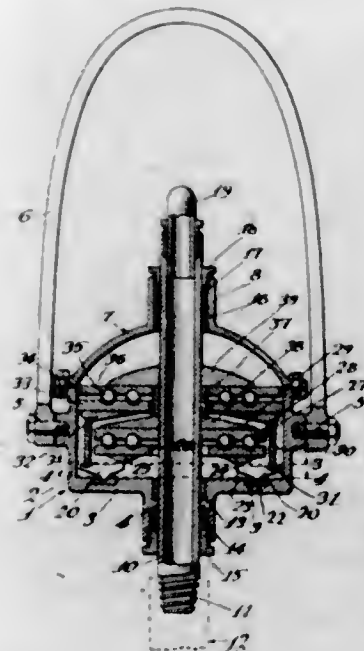
pin carried by said shield, a pair of dowsers blades mounted on opposite sides of said shield and upon said pin, and co-engaging means on said blades and said support to limit the pivotal movement of said blades.

1,734,222. BEARING. HENRY MARLES, Detroit, Mich. Filed Dec. 27, 1927. Serial No. 242,772. 8 Claims. (Cl. 308-235.)



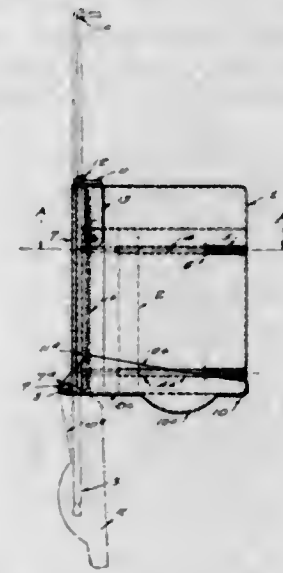
1. An anti-friction bearing comprising a cage consisting of a pair of sections having flat annular faces in abutting relation, and rollers carried by said cage and adapted to retain said sections in abutting relation.

1,734,223. BALANCED THRUST BEARING. JOHN M. MELOTT, Los Angeles, Calif. Filed Dec. 20, 1926. Serial No. 155,920. 2 Claims. (Cl. 308-160.)



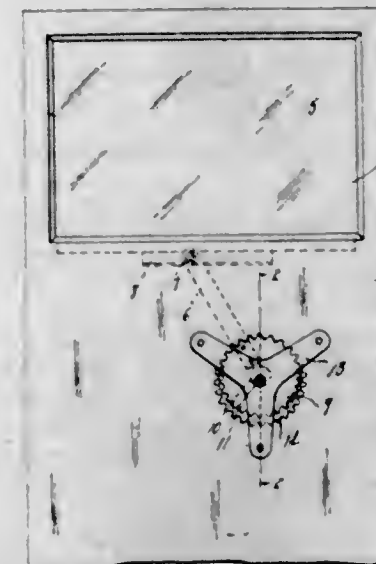
2. A thrust bearing comprising in combination a casing having a shaft extending longitudinally therethrough, an upper bearing connected to the shaft, a pressure ring engaging the bearing and having an annular notch, a cylindrical ring fitting in the said notch of the pressure ring, a series of balancing levers pivoted on the base of the casing, the ring bearing on the outer ends of the levers, a supporting ring engaging the inner ends of the levers and extending outwardly and inwardly from the point of support, and a lower bearing mounted on said supporting ring and connected to the shaft.

1,734,224. MATCH RECEPTACLE. MAX C. MILLER, Cumberland, and FREDERICK L. JENCKES, North Kingston, R. I. Filed Mar. 14, 1927. Serial No. 175,212. 14 Claims. (Cl. 206-33.5.)



2. In a match receptacle the combination with a magazine for holding matches of a hinged lid for the receptacle adapted in open position to serve as a windshield, and means for ejecting a match so that the match strikes the lid to open the lid.

1,734,225. WINDOW REGULATOR. STANLEY W. NICHOLSON, Toledo, Ohio, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 23, 1926. Serial No. 90,105. 6 Claims. (Cl. 268-126.)

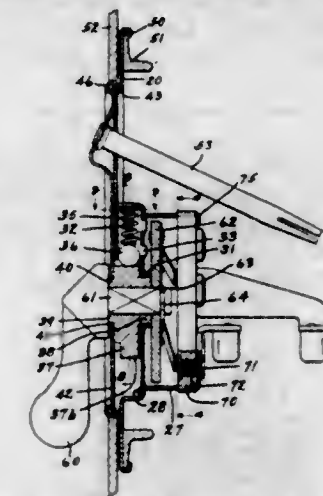


1. The combination of a frame having an opening and a chamber adjacent to said opening, a closure for said opening movable into said chamber and mechanism for actuating said closure including a member forming an element of said chamber and also an element of said actuating mechanism.

1,734,226. LIGHTING SWITCH. HARRY E. NORVIEL, Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 13, 1927. Serial No. 198,328. 7 Claims. (Cl. 200-11.)

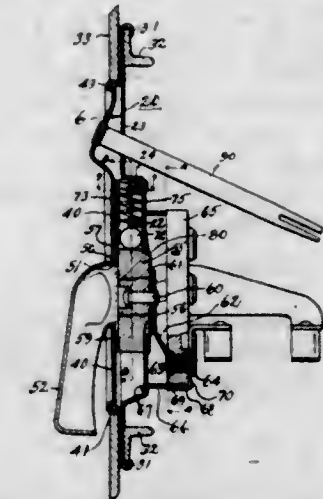
1. An electric switch comprising a mounting frame and a face plate attached together and having parallel spaced wall portions provided respectively with aligned apertures centrally thereof, a ratchet block located between said wall portions and journaled within said apertures, a spring urged ratchet plunger lying in the

plane of and engaging the block, a switch case including the wall portion of the mounting frame and a tubular member attached thereto, a switch case cover attached to the tubular member and carrying terminals and sta-



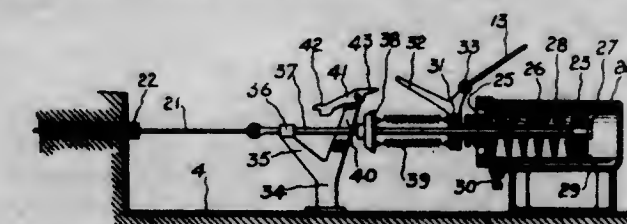
tionary contacts, a handle having a shaft extending through a central aperture in the ratchet block and drivingly connected therewith, a contact carrier attached to the handle shaft within the case, and a movable contact attached to the carrier.

1,734,227. LIGHTING SWITCH. HARRY E. NORVIEL, Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 13, 1927. Serial No. 198,330. 11 Claims. (Cl. 200-11.)



1. An electric switch comprising, in combination, a mounting bracket and a dial plate secured together by a bezel plate, said mounting bracket and dial plate having spaced walls, a switch case attached to said wall of the mounting bracket, a cover carrying terminals and stationary contacts attached to the case, movable contacts within the case, a handle located in front of the dial plate, means extending from the handle and across the space between said dial plate and bracket walls and within the switch case to support the movable contacts, and a handle indexing ratchet device associated with said means and located between said walls of the dial plate and bracket.

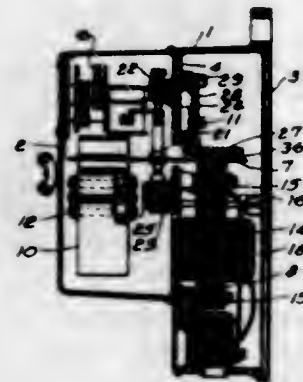
1,734,228. AUTOMATIC TRAFFIC SIGNAL. FRANK PAGE, Vancouver, British Columbia, Canada. Filed Dec. 29, 1928. Serial No. 329,266. 1 Claim. (Cl. 116-87.)



In a signaling system for street crossings, a stop signal having a normally retracted signaling element operatively

connected to a dash pot piston rod, a spring attached to the outer end of said rod, means for tensioning said spring and locking it in extended position until the spring withdraws the piston rod from the dash pot cylinder, and means as the piston reaches the end of its outward stroke for releasing said spring tension and for slowly moving the signaling element to retracted position.

1,734,229. ELECTRICAL MEASURING INSTRUMENT. ELMER G. RATZ, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 9, 1927. Serial No. 238,763. 12 Claims. (Cl. 171-264.)



1. In a meter, an armature, an electromagnet disposed on one side of said armature, a magnetizable member for compensating said meter for load errors disposed on the other side of said armature, said member having a restricted flux path therein, and an auxiliary magnetizable member having a negative temperature coefficient of permeability comprising a relatively thin strip mounted on the face of said first member for compensating said meter for temperature and light load errors.

1,734,230. COMBINED SEARCHLIGHT AND FUSE TESTER. NATHANIEL ROX, Patchogue, N. Y. Filed Jan. 27, 1928. Serial No. 249,969. 5 Claims. (Cl. 175-183.)

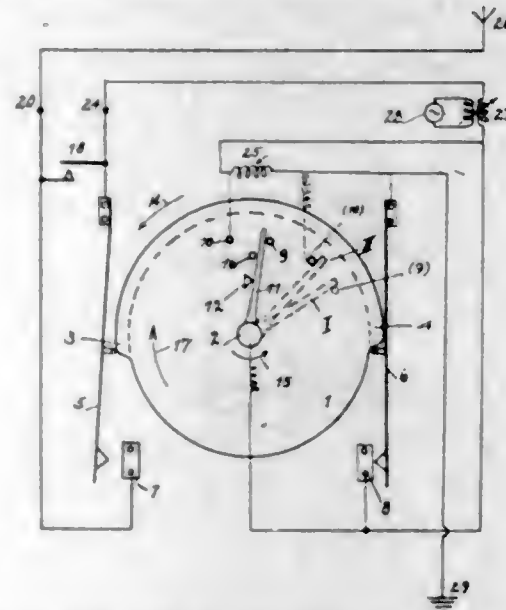


1. A combined flash-light and fuse tester, comprising a casing, an electric lamp, a circuit closer, a circuit including said casing, lamp and circuit closer, a member movably mounted in said casing, means for maintaining said member normally in electric contact with said source of electric energy; said member being adapted to receive a device to be tested, said device having a part adapted to engage with said source of electric energy and to move said member out of engagement with said source of electric energy whereby to cause current to pass from said source of electric energy through said device to said casing, substantially as specified.

1,734,231. COMMUNICATION SYSTEM. BRUNO ROSENBAUM and OTTO POHLE, Berlin, Germany, assignors to the Firm Dr. Erich F. Huth G. m. b. H., Berlin, Germany. Filed Nov. 23, 1923, Serial No. 676,571, and in Germany Sept. 20, 1922. 8 Claims. (Cl. 178-2.)

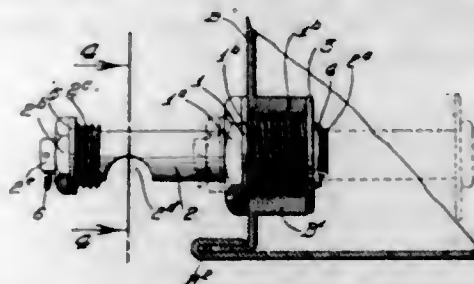
1. A signalling system for a number of stations on a common communication channel comprising a common

signaling frequency, means to call all of the stations from any single station by said common frequency, means to select any one of the called stations and transmit a message by said common frequency, and further means also



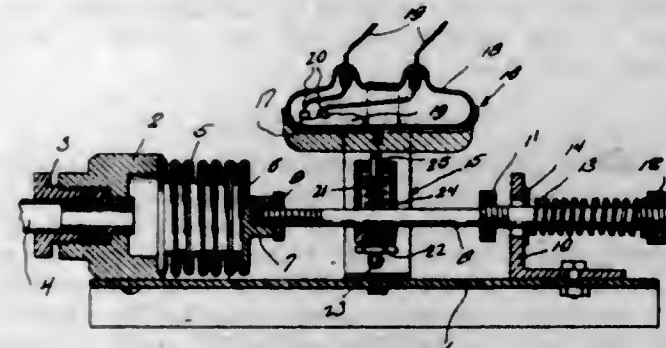
operated by said common frequency at all of said stations for prohibiting the non-selected stations from effecting communication as long as traffic with said selected station continues.

1,734,232. BARREL SPIGOT. JOHN E. RYAN and HOWARD SHORES, San Diego, Calif. Filed June 2, 1927. Serial No. 195,914. 1 Claim. (Cl. 221-27.)



In a device of the class described, the combination with a barrel provided with a smooth bore threaded at its outer end only, of a plug secured in said barrel, a tubular member provided with a smooth outer surface reciprocally mounted in the bore of said plug provided with an outlet orifice near the outer end thereof, said tubular member having threads at its outer end for engaging the threads in said bore, and a removable retaining ring on the inner end of said tubular member adapted to prevent the removal of said tubular member.

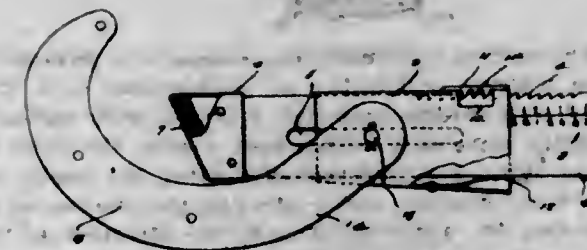
1,734,233. AUTOMATIC ELECTRIC-CIRCUIT MAKE AND BREAK DEVICE. JOHN SHANNON and HENRY SHANNON, Florence, Mass. Filed May 9, 1927. Serial No. 189,988. 2 Claims. (Cl. 200-81.)



1. In a structure of the class described, a supporting base, an upright on said base, a mercury container em-

bodying electric wire terminals and mercury adapted to bridge said terminals, said container being mounted on an intermediate pivot carried by said upright in order to permit it to oscillate toward and from said base, a reciprocatory rod supported on said base and disposed in parallelism with said container, and spring pressed means carried by said rod and cooperable with the intermediate portion of said container for oscillating the latter.

1,734,234. PIPE WRENCH. JOHAN SKAUG, Rothsay, Minn. Filed July 9, 1927. Serial No. 204,585. 1 Claim. (Cl. 81-109.)



A wrench structure comprising a shank provided with a jaw at one end thereof, one edge of the shank being toothed and having a longitudinal slot adjacent the jaw end, a sleeve slidably disposed on the shank over the slotted and toothed portions thereof, a pivotal jaw, a pin for pivotally connecting the jaw to the sleeve, said pin being disposed through the longitudinal slot, the said sleeve being formed with an opening in one edge portion thereof extending a substantial distance down opposite sides thereof, a toothed bar rigidly secured to the sleeve over said opening, the teeth of the said bar being adapted for engagement with the teeth of the shank, and a spring interposed between the sleeve and the shank for maintaining the teeth of the bar and the teeth of the shank engaged.

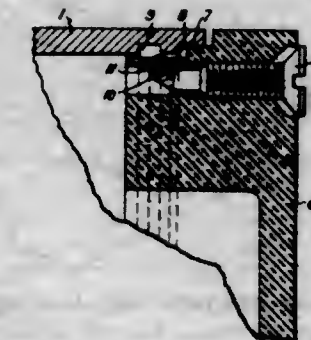
1,734,235. LIGHTNING ARRESTER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 707,843. 17 Claims. (Cl. 175-30.)



16. A lightning arrester comprising a plurality of parallel plates constituting closely spaced, parallel gap elements the individual plates being of a material having an extremely large number of closely packed, parallel, directionally conducting filamentary resistor elements substantially insulated from each other, the resistivity of the individual filamentary resistor elements being so large as to require a voltage of the order of the cathode drop in a glow discharge to maintain a current of a small fraction of an ampere per path between the opposite electrodes.

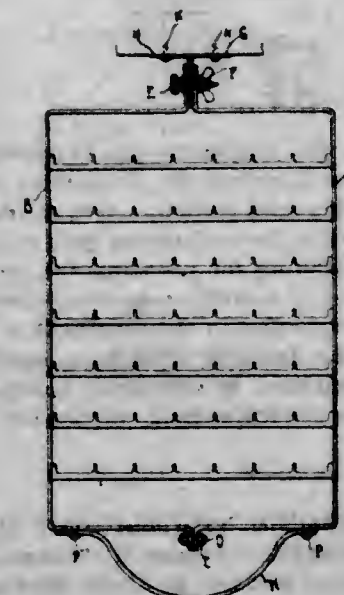
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1,734,236. ELECTRICAL MEASURING INSTRUMENT CASING. BENJAMIN H. SMITH, Maplewood, and CLARE ANDERSON, Newark, N. J., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 22, 1928. Serial No. 301,258. 7 Claims. (Cl. 220-55.)



7. In combination, a casing having a groove and an end plate for said casing also having a groove to register with the groove in the casing when said plate is in its normal position, said plate having a shoulder to engage the end of said casing, of means for retaining said plate in its normal position including a resilient member within one of said grooves and means for forcing said member partially into the other of said grooves.

1,734,237. NECKTIE HOLDER. SAMUEL SOLOFF, Brooklyn, N. Y. Filed May 5, 1928. Serial No. 275,522. 2 Claims. (Cl. 211-113.)

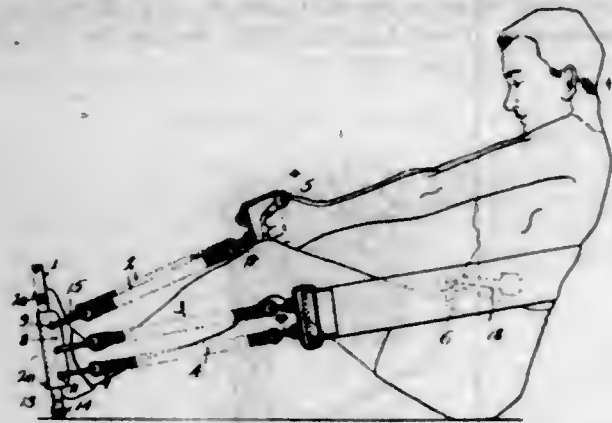


1. In a tie holder, the combination of a rectangular frame made of two equal and opposite flat metallic members bolted together at their opposite ends, each of said opposite connections being adjustable, a swivel-bearing at the top of said frame so that said tie holder may be moved to any desired position and a handle at the bottom of said tie holder by which the position of said tie holder may be regulated.

1,734,238. PHYSICAL-EXERCISING APPARATUS. HARRY C. SWEENEY, Brooklyn, N. Y., assignor to Jacques Sampson, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 16, 1928. Serial No. 319,755. 5 Claims. (Cl. 272-83.)

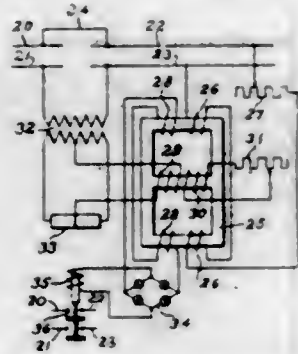
1. In an exercising apparatus, a base member connecting means secured to said base member at opposite ends

thereof, rollers secured to one edge of said base member, a plurality of independently extensible tension devices detachably secured at the ends thereof to said connecting



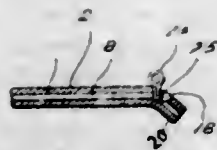
means, manipulating means detachably secured to the other ends of said tension devices, one of said manipulating means comprising a belt detachably secured at its ends to a plurality of said tension members.

1,734,239. SYNCHRONIZING RELAY SYSTEM. PHILIP THOMAS, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1927. Serial No. 221,490. 5 Claims. (Cl. 171-118.)



1. In a system for automatically connecting alternating-current circuits, a switch for connecting said circuits, a solenoid for closing said switch, a transformer connected to one of said circuits for energizing said coil, said transformer having a winding for reducing the secondary voltage, when energized, a rectifier supplying direct-current to said winding in proportion to the resultant of the voltages of said circuits and a damping winding on said transformer for postponing variations in secondary voltage for a time interval after the corresponding variations of said resultant.

1,734,240. SPECTACLE TEMPLE AND METHOD OF MAKING THE SAME. JAMES W. WELSH, Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed May 27, 1926. Serial No. 111,980. 7 Claims. (Cl. 88-52.)



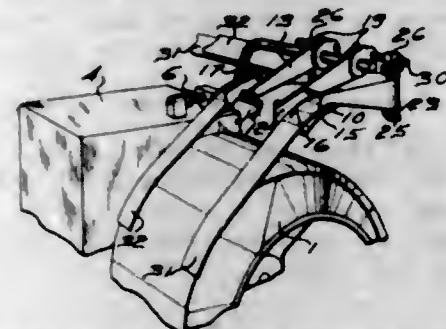
1. A spectacle temple comprising a rod having a body portion provided with an end portion adapted to be positioned near the head of a wearer and with an end portion at which the temple is adapted to be hinged to a lens-holding frame, and a doubled-over member the doubled-over portions of which are provided with aligned openings through which the second-named end portion extends, the member being provided with an intermediately disposed eye, the temple being adapted to be hinged to the lens-holding frame by means of the eye.

1,734,241. PNEUMATIC TIRE CASING. GEORGE F. WIKLE, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1926. Serial No. 96,569. 5 Claims. (Cl. 154-14.)



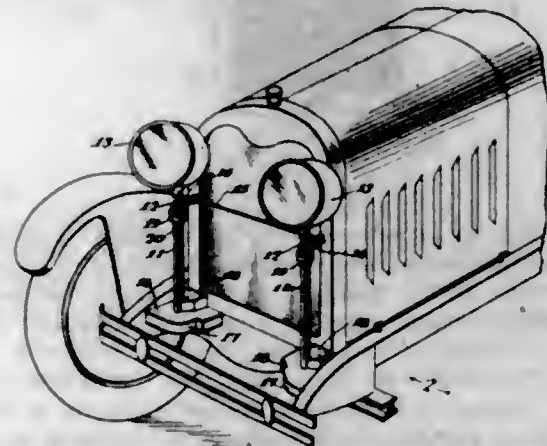
1. In that method of forming the carcass of a pneumatic tire casing wherein a plurality of convolutions of a web of two ply cord carcass material, provided with enclosed bead elements, have been wound upon a core, the steps of cutting the upper ply longitudinally along the center of one of the bead elements, and separating the plies so as to permit turning the upper ply back in the direction of the core along a line parallel to the cords of the lower ply, severing the bead elements at the juncture of the free portion of the upper ply with the body of the carcass, severing the lower ply, at said juncture, along the line of its cords to complete the severance of the web and finally laying the turned back portion of the upper ply upon the underlying convolution of carcass material.

1,734,242. TIRE-BUILDING MACHINE. GEORGE F. WIKLE, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 5, 1927. Serial No. 203,357. 4 Claims. (Cl. 154-10.)



1. A device of the character described comprising guide plates adapted to be positioned adjacent the building drum of a tire building machine, means to adjust the plates across the width of the drum and means adjustable independently of the plates to guide strips of materials to the latter.

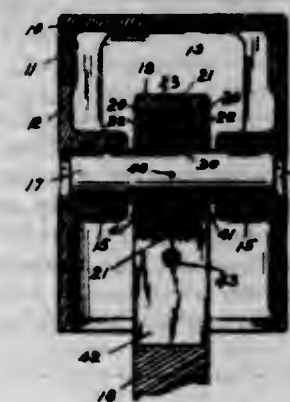
1,734,243. DIRIGIBLE HEADLIGHT. MICHAEL J. WOZNACK, Los Angeles, Calif., assignor of one-half to Stephen Woznack, San Francisco, Calif. Filed May 2, 1928. Serial No. 274,469. 13 Claims. (Cl. 24-62.)



1. In combination with a headlight of a vehicle, a tubular standard connected to a base, an operating shaft

rotatably mounted therein and connected to a headlight, a clutch having a fixed clutch collar secured to the operating shaft, a second clutch collar slidable and rotatable on the shaft, a connecting means from the second clutch collar to the steering mechanism of the vehicle to rotate said collar, a clutch opening and closing mechanism to engage and disengage said collars, an operating rod connected to the driver's compartment and having a rack, a pinion operated by said rack, and a cam operated connection from the pinion to the opening and closing mechanism of the clutch.

1,734,244. WRIST-PIN JOINT. ROBERT F. BINGMAN, Portland, Oreg. Filed Oct. 2, 1928. Serial No. 309,780. 3 Claims. (Cl. 74-108.)



1. The combination with a piston having a pair of oppositely disposed bosses bored diametrically of the piston, a wrist-pin arranged in said bores, a ball mounted on said wrist-pin, a connecting-rod having an eye at its upper end formed with a screw-threaded bore extending inwardly from each side, a screw-threaded bushing engageable in said eye-bores from each of its opposite sides, said bushings co-operating to include a globular socket in which said ball is seated, and a pin extending horizontally through the connecting-rod, ball and into the wrist-pin providing an axis of oscillation for the connecting-rod in the vertical plane of the wrist-pin.

1,734,245. APPARATUS FOR GENERATING ELECTRICITY. QUIRINO V. DI STEFANO, Waterbury, Conn. Filed July 7, 1927. Serial No. 204,090. 2 Claims. (Cl. 290-55.)



1. In apparatus of the class described, a support comprising an upright hollow column, a cap upon the upper end of the column, a generator including a casing supported for rotative movement upon the said cap, the casing having an extension rotatably fitting in the cap, the generator including the usual shaft, a rudder vane upon the casing of the generator for effecting rotative movement of the generator under the influence of air currents, vanes radiating from the generator shaft, a head supported by the extension of the generator casing within the said column, spaced contacts carried by the head, conductor wires leading from the generator and through the extension and connected with the contacts, a second head arranged within and fixed with respect to the said column below the first mentioned head, concentric contacts carried by the last mentioned head and continuously engaged by respective ones of the first mentioned contacts, and conductor wires leading from the last mentioned contacts through the column.

1,734,246. WATER-SOLUBLE ARYLAZODIARYLAMINE DYESTUFFS AND PROCESS OF MAKING SAME. HEINZ EICHWEDE, ERICH FISCHER, and ADOLF SIEGLITZ, Höchst-on-the-Main, Germany, assignors to General Anilin Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 13, 1927. Serial No. 212,842. and in Germany Aug. 21, 1926. 10 Claims. (Cl. 260-96.)

1. A process for preparing water-soluble arylazodarylamine dyestuffs, which consists in condensing a monoaminoazo dyestuff the aryl nuclei of which belong to the group consisting of benzene and naphthalene nuclei with nitroaryl compounds containing at least one exchangeable nuclear halogen atom and at least one acid group.

1,734,247. METAL CAR END. CARL E. EKLUND and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 30, 1926. Serial No. 157,989. 7 Claims. (Cl. 105-410.)



1. In a corrugated car end, a pair of corner posts, each embodying a Z bar, a corrugated panel having flanges attached to said Z bars, said flanges and Z bars having abutting parts tending to reduce the shear at the attached parts.

1,734,248. PHOTOPHONOGRAPHIC APPARATUS AND METHOD. BYRON E. ELDRED, Great Neck, N. Y., assignor to RCA Photophone, Inc., a Corporation of Delaware. Filed May 28, 1924. Serial No. 716,296. 1 Claim. (Cl. 179-100.1.)

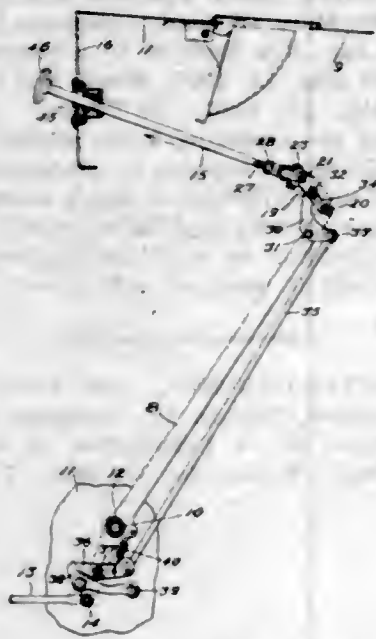


Apparatus for photophonographic reproduction of sound from a photographic record thereof, including means whereby light is concentrated on a selected portion of the record, enlarging camera means for forming a moving real image of the moving illuminated record, apertured diaphragm means whereby a selected portion of said moving image is allowed to pass and the remainder screened out, further camera means whereby said selected portion of said real image of the record is projected on a light sensitive electrical resistance, an electric circuit carrying current varied by said resistance, means for amplifying said variations and translating the same into sound waves.

1,734,249. BRAKE-LEVER EXTENSION. STEPHEN I. FEREKE, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 9, 1927. Serial No. 182,460. 5 Claims. (Cl. 74-39.)

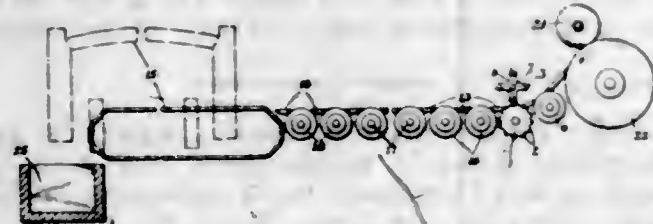
1. In a brake operating mechanism for a vehicle, the combination with an operating lever and a dog for locking

the same, of an extension for said lever comprising a rod, a link pivotally connected at its ends to the ends of said



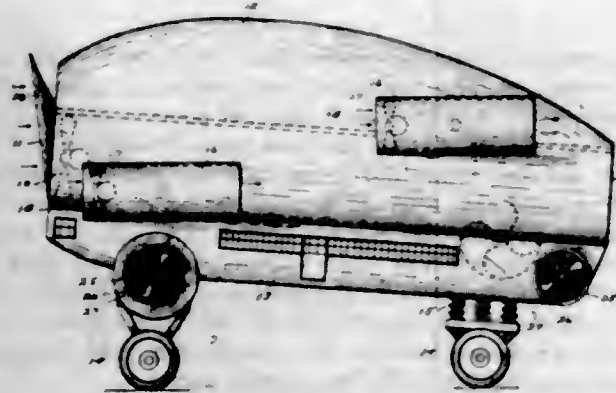
lever and said rod, and a bell crank pivotally mounted upon said lever and operatively connected at one end with the locking dog and at its other end with said link.

1,734,250. PRODUCING SHEET GLASS. NICKLAS FRANZEN, Long Beach, Calif., assignor to Mississippi Glass Company, New York, N. Y., a Corporation of New York. Filed May 15, 1925. Serial No. 30,523. 2 Claims. (Cl. 49-3.)



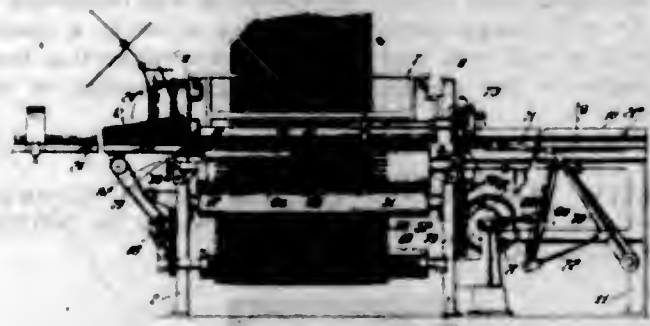
1. In combination with a glass melting furnace, means for forming sheet glass comprising forming rolls, and sheet severing means comprising cooperative sets of cyclically successively engaging shearing members, and sheet propelling means comprising driven rolls with refractory sheet supporting members intermediate them.

1,734,251. AERO PROPELLING AND STEERING MEANS. MAURICE GALLEY, Poughkeepsie, N. Y. Filed Nov. 16, 1928. Serial No. 319,771. 2 Claims. (Cl. 244-18.)



1. In combination with an air ship formed with a tubular portion partly surrounded by a gas chamber, of means for propelling and steering said ship, comprising tubular members attached thereto on different planes in an adjustable manner and containing propelling means, means for turning said ship on its vertical axis, comprising a pair of tubular members mounted thereon in transverse relation to the axis thereof and provided with means for forcing air therethrough in either direction.

1,734,252. STOP MOTION FOR LOOMS. GEORGE D. GOODSPEED, Gardner, Mass., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1928. Serial No. 254,930. 7 Claims. (Cl. 139-370.)



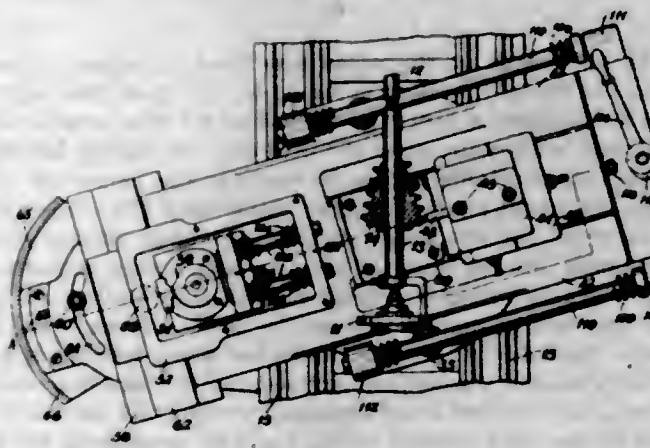
1. A stop motion for a stake and strand reed fabric loom embodying a magazine from which a stake projects, a reciprocating shuttle having cooperating gripping jaws adapted in one position of its movement to grip upon said stake, electrical means for controlling the operation of the loom and cooperating contacts on said jaws adapted for changing the condition of said electrical means which operates to stop the loom upon failure of said jaws to grip a stake.

1,734,253. ARTIFICIAL TOOTH. CLIFTON C. HALLOWELL, Drexel Hill, Pa., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 26, 1926. Serial No. 97,491. 8 Claims. (Cl. 32-9.)



1. An artificial tooth comprising a tooth-body and a cusp structure, the tooth-body having a root extension and having a supporting face at its occlusally disposed end, convexly curved about the region of said root extension as a center, and arranged to cooperate with a similarly concaved inner face on said structure.

1,734,254. APPARATUS FOR RELIEVING TAPER HOBS. ERNEST C. HEAD, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed June 30, 1927. Serial No. 202,695. 13 Claims. (Cl. 82-19.)

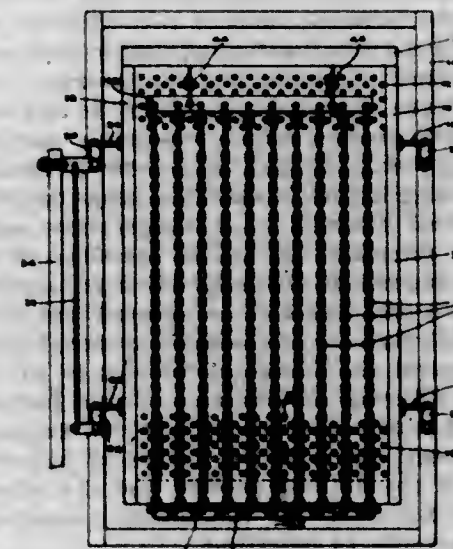


1. In apparatus for relieving taper hobs, a tool support, a rotatable work support, a carriage on which one of said supports is mounted, means for positioning the

tool support so that it will move in a plane perpendicular to the cone surface of the work, means for moving the carriage in a direction longitudinally of the work, means for rotating the work support on its axis, means for simultaneously imparting a relieving motion to the tool support in timed relation with the work and carriage movements, and means for imparting a relative feed movement between the tool and work in a direction perpendicular to the cone surface of the work as the carriage moves longitudinally.

6. An attachment for a lathe provided with a bed, a rotatable work spindle, a slidable carriage movable on the bed in a direction longitudinally of the work, means for moving the carriage, means for rotating the work spindle and a shaft driven in timed relation with the work spindle and carriage movements, said attachment comprising a reciprocable tool slide, means driven from said shaft for reciprocating said slide, a movable carrier, on which the slide is slidable, a plate, on which the carrier is mounted, angularly adjustable on the carriage to position the slide and carrier for movement in a direction perpendicular to the cone surface of the work and co-operating means on the carrier and the bed for imparting movement to the carrier as the carriage moves longitudinally.

1,734,255. SCREEN-CLEANING DEVICE. AXEL T. HEDFELT, Minneapolis, Minn. Filed June 20, 1927. Serial No. 199,938. 2 Claims. (Cl. 183-60.)

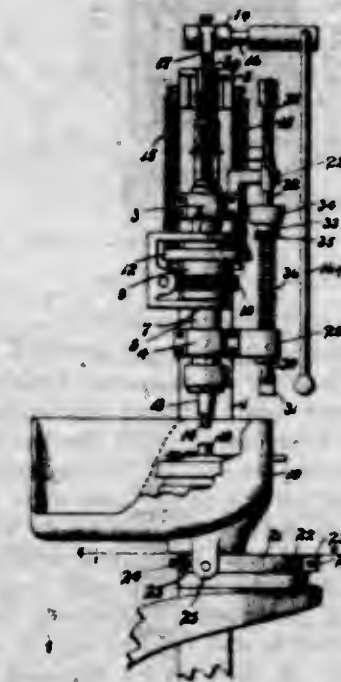


2. The combination with a screen and means for imparting a sidewise reciprocating movement thereto, of a plurality of spaced longitudinally extending chains, a transverse strip to which the upper ends of said chains are attached, means for swingingly attaching said strip to the upper end of the screen, a loose transverse chain to which the lower ends of said chains are attached, and a transverse rod attached to the two outer ones of said longitudinal chains, the longitudinal chains being thereby adapted to move back and forth over the perforated surface of the screen.

1,734,256. PLUG DRESSER. WARREN E. KNOTT, Grand Rapids, Mich., assignor to Pioneer Pearl Button Company, Poughkeepsie, N. Y., a Corporation of New York. Filed May 11, 1927. Serial No. 190,405. 4 Claims. (Cl. 79-16.)

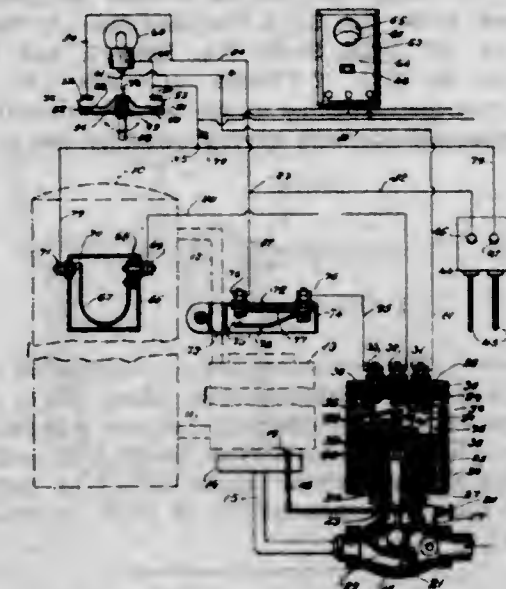
1. In combination with a button blank sawing machine, having a rotatable vertically positioned arbor, said arbor

having a blank cutting saw at its lower end, of a shell supporting plug movably mounted on said machine and adapted in one position to be positioned directly below said saw, a shaft mounted at one side of the arbor, a dressing tool fixed to the lower end of the shaft, said plug being brought directly below said tool when moved



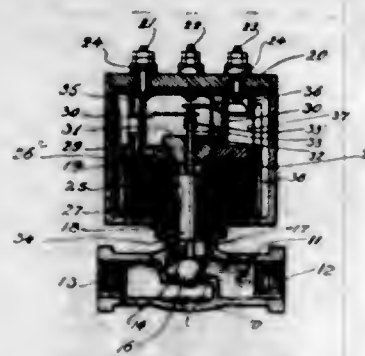
away from below the saw, means for manually moving said shaft with the attached dressing tool in a downward direction, and driving gearing on the arbor and shaft located so as to be brought into driving engagement with each other when said shaft and dressing tool are moved in a downward direction.

1,734,257. ELECTRIC CONTROL SYSTEM. LUCAS KRAFF and LEONOLD MAYR, Elizabeth, N. J. Filed Dec. 27, 1926. Serial No. 157,315. 3 Claims. (Cl. 157-139.)



1. An electric valve control system, including an electro-magnetic valve having three terminals, a hand operated control switch having also three terminals, a thermostatic switch having two terminals, and a source of energy having two terminals, one of the valve terminals and one of the hand switch terminals electrically connected with each other and with one source terminal, another valve terminal electrically connected to one terminal of a second thermostatic switch, the other hand switch terminal connected with the second source terminal and the second terminal of the thermostatic switch, and the third terminals of said valve and said hand switch electrically connected with each other directly.

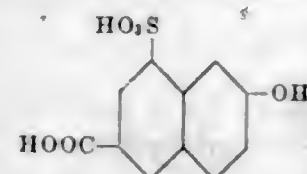
1,734,258. GAS-CONTROL VALVE. LUCAS KRAFT and LEOPOLD MATR, Elizabeth, N. J. Filed Aug. 5, 1927. Serial No. 210,855. 2 Claims. (Cl. 137-139.)



1. The combination with a fluid control valve, of a casing arranged above said valve and having a hermetically sealing cover, a plurality of insulated binding posts attached to said cover and forming suspensions for the mechanism within said casing, said mechanism comprising a solenoid adapted to extend to the bottom of said casing and provided at its upper end with a laminated soft iron member, a soft iron bushing or extension arranged at the center of said laminated member, a circuit maker and breaker disposed between said laminated member and the casing cover and comprising two resilient blades, each connected to and held by one of said binding posts, the free ends of said blades disposed above each other and in line with the center axis of said solenoid, an armature operatively arranged within said solenoid and having an upper central extension, adapted to actuate said circuit maker and breaker, and a lower extension forming the operating member of said valve, said circuit maker and breaker controlling an auxiliary circuit for energizing said solenoid when said armature has been operated.

1,734,259. 2-HYDROXYNAPHTHALENE-6-MONOSULFO-6-CARBOXYLIC ACID AND PROCESS OF MAKING IT. FRIEDRICH KRÖCKE, Offenbach, near Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 26, 1928, Serial No. 264,977, and in Germany Mar. 30, 1927. 2 Claims. (Cl. 260-110.)

2. A process for producing a new 2-hydroxynaphthalene-6-carboxymonosulfonic acid having probably the formula:

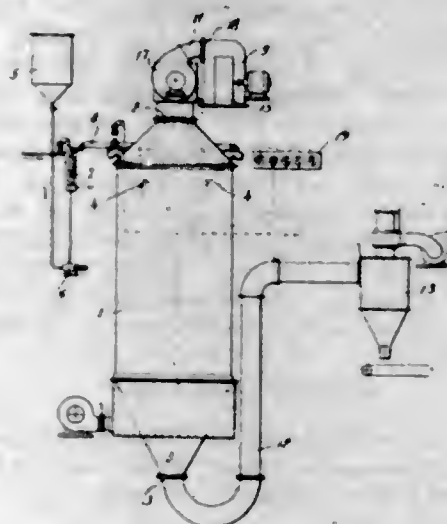


which process comprises acting with concentrated sulfuric acid at temperatures ranging from about 50 to 80° on 2-hydroxynaphthalene-6-carboxylic acid and separating the 2-hydroxynaphthalene-6-carboxy-monosulfonic acid from the plurality of monosulfonic acids formed by taking advantage of the different solubility of their neutral alkali metal salts.

1,734,260. METHOD OF CONTROLLING CHARACTERISTICS OF SPRAY-PROCESSED PRODUCTS. DALLAS R. LAMONT, Brooklyn, N. Y., assignor to Industrial Spray-Drying Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 3, 1927. Serial No. 223,730. 14 Claims. (Cl. 159-48.)

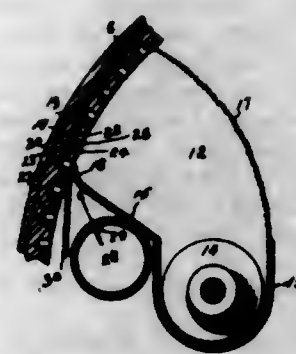
1. In the spray processing of materials which, under the conditions of the process can be made to assume a continuous coherent shape retaining character self-sustaining in hollow particle form, the method of controlling the average degree of hollowness of the component particles of the resulting spray processed product, which comprises spraying the material being treated to convert it into reasonably finely divided dispersed condition, sub-

jecting the finely divided dispersed material to a temperature sufficiently high to effect formation of hollow particles of material, controlling said temperature to produce particles of a desired average degree of hollowness, and effecting solidification of said hollow particles to thereby form the component particles of the finished spray processed product, whereby the degree of hollowness of the particles of the finished product and the other correlated characteristics of the product are definitely controlled, substantially as described.



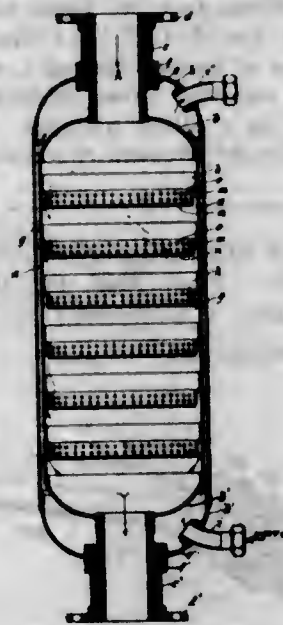
4. In the spray processing of liquid materials which, under the conditions of temperature and concentration attained in the process assume a continuous coherent shape retaining character self-sustaining in hollow particle form, the method of controlling the average degree of hollowness of the component particles of the resulting spray processed product which comprises spraying the liquid material being treated to convert it into reasonably finely divided dispersed condition, subjecting the finely divided dispersed material to a temperature sufficiently high to effect formation of hollow particles of material when certain degrees of viscosity which it is possible to attain in the liquid material as sprayed are used, controlling the said viscosity of the liquid material as sprayed to thereby control the degree of hollowness of the said particles, and effecting solidification of said hollow particles to form the component particles of the finished spray processed product, whereby the degree of hollowness of the particles of the finished product and the other correlated characteristics of the product are definitely controlled, substantially as described.

1,734,261. GRAIN SEPARATOR. GEORGE ANDREW LARSON, Minneapolis, Minn., assignor to Walter Douglas Dale, Minneapolis, Minn. Filed Mar. 26, 1928. Serial No. 264,849. 12 Claims. (Cl. 209-95.)



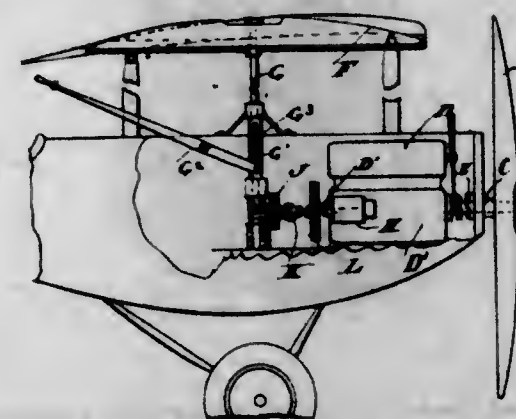
10. A separating drum having its inner surface formed with pickets having spillways downwardly directed therefrom and merging thereinto, and means to direct a blast of air upwardly through the spillways into the pockets,

1,734,262. COOLER. EWALD LÜTSCHEN, Munich, Germany. Filed Jan. 22, 1927. Serial No. 162,882. 1 Claim. (Cl. 257-243.)



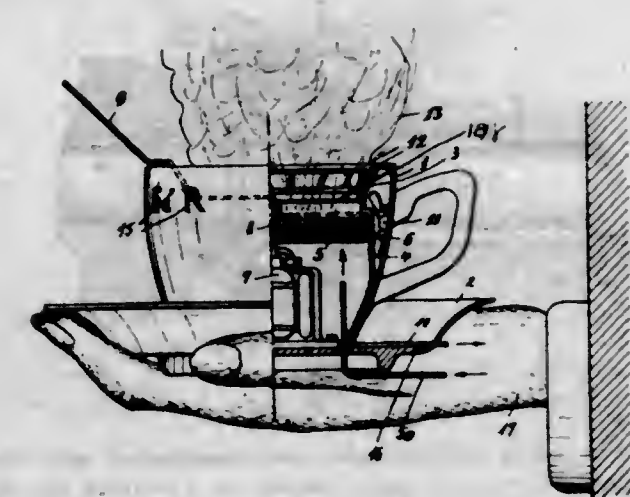
A cooler for compressed air, gas and steam, comprising a shell of circular or other cross-section, a second shell of similar cross section and made of thin sheet metal enclosed in said first mentioned shell and being of slightly shorter diameter than said first mentioned shell so that a narrow gap is formed between said two shells, a hood for each end of the inner shell, a threaded pipe secured to each hood, a closing hood secured to each end of said outer shell, each hood having an aperture through which one of the threaded pipes projects, means for securing the said hoods to the threaded pipes, an inlet for cooling water at the lower end of said outer shell, a water outlet at the upper end of said outer shell so that the cooling water flows through said narrow gap in counter current to the flow of pressure medium, cup-shaped distributors mounted at short distances apart in said inner shell so that the open ends of said distributors face the inflowing current of pressure medium each distributor consisting of an upper ring-shaped part tightly fitting in said inner shell and a lower ring-shaped part of shorter diameter than said upper part and closed at the bottom and having a perforated side wall so that the pressure medium flows through these perforations, which exert a nozzle like action, onto the cooled wall of said inner shell and then into the next following distributor.

1,734,263. HELICOPTER. FRANK B. MANY, Cleveland, Ohio. Filed Nov. 23, 1925. Serial No. 70,957. 4 Claims. (Cl. 244-15.)



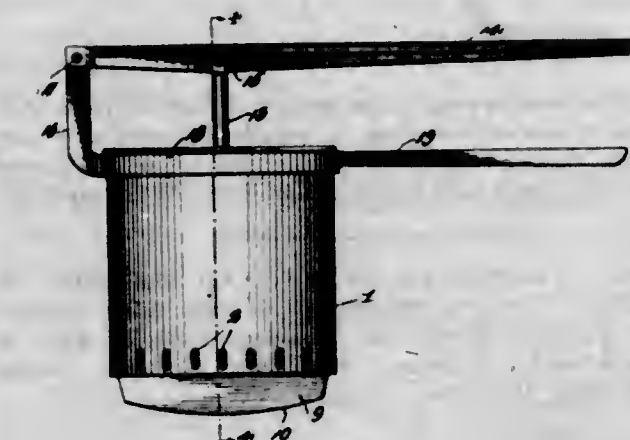
1. In an air ship a main propeller and gasoline engine therefor, and a helicopter propeller and a motor generator therefor, said motor being operatively connectible with the shafts of both of said propellers and serving alternately as a starter for said gasoline engine and as a direct motor for said helicopter.

1,734,264. APPARATUS FOR ANIMATED ADVERTISEMENTS. FRIEDRICH MANN, Stuttgart, Germany. Filed Mar. 8, 1928, Serial No. 260,189, and in Germany Sept. 26, 1927. 2 Claims. (Cl. 40-126.)



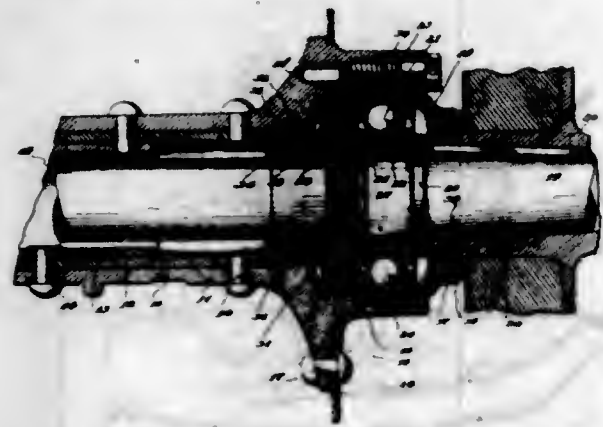
1. An apparatus for animated advertisements, comprising in combination with a wall bracket in the form of an outstretched hand, a structure imitating a saucer and a cup fixed on said wall bracket, a translucent advertising inscription extending around the upper portion of said cup, a vessel partly filled with water in the cup having an outwardly inclined rim with apertures closed by glass panes, an incandescent heating body on the bottom of said vessel, a perforated plate in said vessel above the water level at the lower end of said outwardly inclined rim, incandescent lamps in said cup underneath said outwardly inclined rim to light through said glass panes the steam rising from the water in said vessel, a pipe for supplying water to said vessel, a discharge pipe for the water in excess from said vessel, and electric lamps in said saucer for lighting the outer surface of said cup.

1,734,265. FRUIT SQUEEZER. EDWARD H. MITCHAM, New York, N. Y. Filed Aug. 29, 1927. Serial No. 216,289. 2 Claims. (Cl. 100-41.)



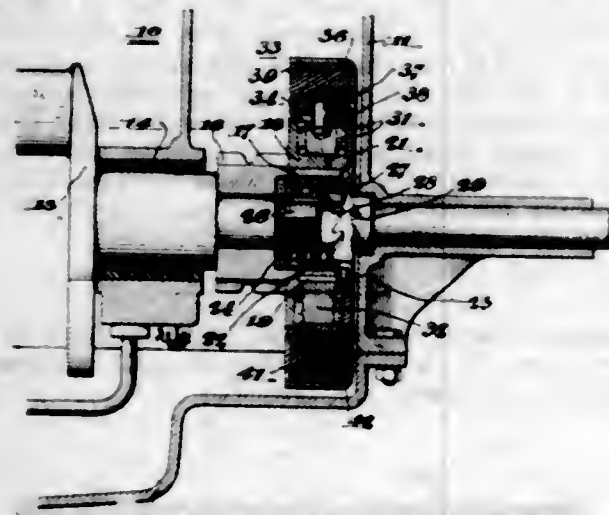
1. In a device of the class described, a cylindrical receptacle having a bottom formed with a diametric slot and, at opposite sides of the diametric slot, with slots radial to the axis of the bottom, a plunger comprising a cylindrical head having a flat under face, the plunger being slidably fitted in the receptacle, means operable to effect downward movement of the plunger in the direction of the bottom of the receptacle, a blade upon the under side of the plunger head extending diametrically thereof and adapted to enter the diametric slot in the bottom of the receptacle, and other blades upon the under side of the head of the plunger radial to the axis of the head and adapted to enter respective ones of the radial slots in the said bottom of the receptacle.

1,734,266. MOTOR VEHICLE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 1, 1922. Serial No. 540,187. 14 Claims. (Cl. 308—187.)



1. In a motor vehicle axle, the combination with the axle tube and the axle shaft therein, of a bearing for the shaft in the tube, and a packing device between the tube and the shaft withdrawable with the axle shaft.

1,734,267. INTERNAL-COMBUSTION ENGINE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 14, 1925. Serial No. 69,010. 6 Claims. (Cl. 74—6.)



2. A fly-wheel having a rim portion formed of inner and outer stampings each having an axially disposed part and a radially disposed part and cooperating to form a closed circular box, and a heavy metal completely filling said box.

1,734,268. PROPELLER SHAFT AND METHOD OF MAKING. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 27, 1925. Serial No. 71,612. 10 Claims. (Cl. 29—152.)

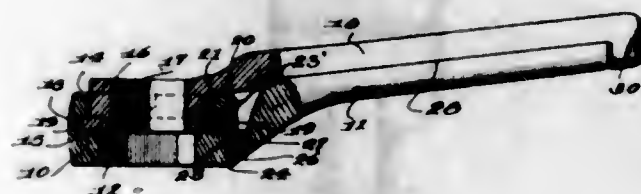


1. A tubular shaft formed of cooperating stampings each semi-circular in cross section and welded together, each said section tapered from its central portion toward each end and a longitudinally disposed stiffening member permanently secured thereto within said shaft.

1,734,269. WATER-SOLUBLE SUBSTANCE CONTAINING COLLOIDAL SILVER CHLORIDE. OSKAR NEUBERT, Leverkusen, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed July 30, 1928. Serial No. 206,419, and in Germany Aug. 9, 1927. 6 Claims. (Cl. 260—9.)

1. In the process of manufacturing a water soluble substance containing colloidal silver chloride the step which comprises, dissolving a silver albumen compound in water and leading chlorine through this solution.

1,734,270. SPARK-PLUG WRENCH. JOHN E. OLSON, Bloomfield, Nebr. Filed Aug. 12, 1926. Serial No. 128,875. 3 Claims. (Cl. 81—55.)



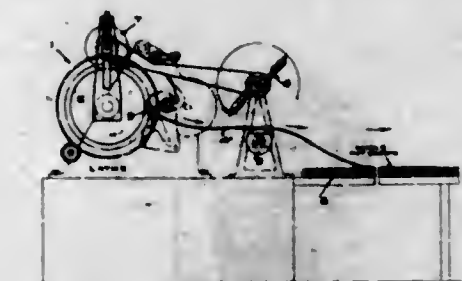
1. A wrench comprising two companion heads each having a socket opening therein, an outwardly extending annular flange on the lower portion of one of said heads, an upwardly projecting semi-circular extension on the other head having a semi-annular recess adapted to receive said annular flange, a semi-circular retaining member connected to the last mentioned head to form a continuation of the semi-annular recess therein and receive the afore-said annular flange, means at the ends of the aforesaid semi-annular extension and semi-circular retaining member for securing the same together, the head having the extension being provided with a recess opposite said extension, a lug on the semi-circular retaining member projecting into said recess, a set screw threaded into the recess to engage said lug to lock the semi-circular retaining member in connection with the extension on the head, and a handle carried by each of the heads for turning the same.

1,734,271. CONICAL-DIAPHRAGM SOUND REPRODUCER. CHARLES W. PETERSON, Ann Arbor, Mich. Filed Dec. 10, 1924. Serial No. 755,056. 9 Claims. (Cl. 181—31.)



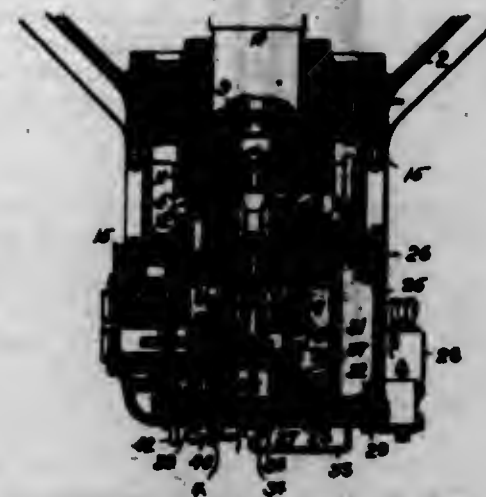
1. In a loud speaker having a receiver with a diaphragm connection, a cone of light, vibrant material exposed to unconfined air, mounted at its apex on the diaphragm connection and an aperiodic substance engaging the periphery of the cone and having sufficient mass to prevent oscillations at the rim of the cone other than those oscillations due to sound generating movement of the cone imparted by the receiver.

1,734,272. METHOD FOR PRODUCING VENEERED CONTAINERS. HENRY V. POINSTER, San Francisco, Calif., assignor to Universal Veneer Products Company, San Francisco, Calif., a Corporation of California. Filed Feb. 23, 1926. Serial No. 90,027. 4 Claims. (Cl. 144—309.)



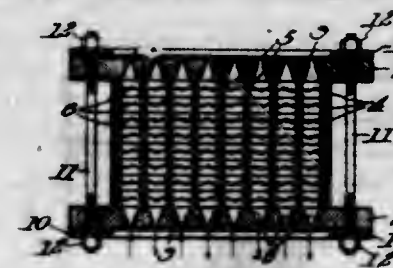
1. The method of producing a veneered container, which consists, first, of turning the unsensitized material from the log in a substantially continuous sheet, next, cutting said unsensitized material into sections of equal length and spreading a waterproof casing glue upon one surface of certain of said cut sections and applying certain other cut unglued sections thereto, and, thereafter, subjecting the said sections thus glued together to a progressively and simultaneously performed pressing and drying operation continued through a predetermined period, steaming said glued, pressed and dried sections for a predetermined time, rolling the said steamed sections to a substantially cylindrical form with their ends in overlapped relation, riveting or stapling said overlapped ends together, and, finally, applying flues, hoops and closures to the drum body, as thus formed.

1,734,273. THRUST BEARING. ALEXANDER E. SCHEIN, New York, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., a Corporation of New York. Filed July 14, 1925. Serial No. 43,462. 10 Claims. (Cl. 308—160.)



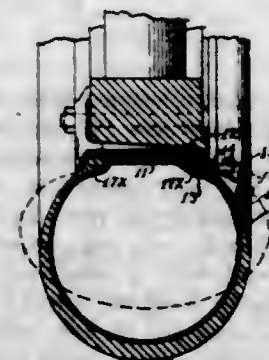
1. In combination, a rotatable element, a supporting member therefor, a friction bearing and a non-friction bearing for supporting said element in said member, and fluid pressure means controllable at will for shifting the load of said element from one of said bearings to the other.

1,734,274. HEAT-EXCHANGE APPARATUS. FRIEDRICH SCHUBART, Monterrey, Mexico. Filed June 11, 1928. Serial No. 284,608. 7 Claims. (Cl. 257—245.)



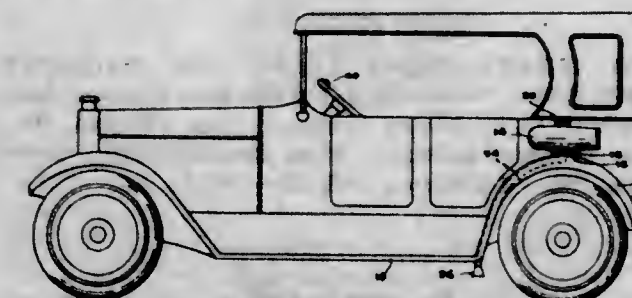
1. In a heat-exchange apparatus, a rigid frame having peripheral side walls defining an opening therebetween, a partition dividing said opening into a plurality of fluid passageways, and a wire mesh permanently embedded into said side walls and passing through said partition.

1,734,275. ALARM FOR DEFLATED PNEUMATIC TIRES. DAVID B. SIMPSON, Wichita, Kans. Filed Aug. 3, 1928. Serial No. 297,193. 3 Claims. (Cl. 116—34.)



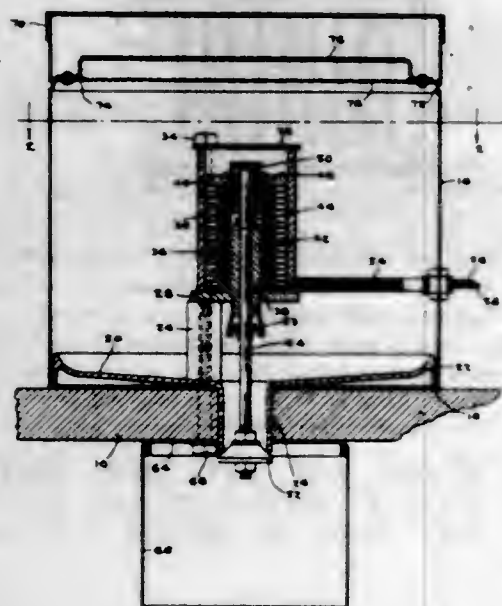
1. In an alarm for deflated pneumatic tires; a flat portion adapted to fit between the wheel rim and the tire casing and tube, a curved central portion leading therefrom adapted to contact the flange of said rim, an extended portion adapted to clear the tire casing when properly inflated, and an inwardly curved end element presenting an incomplete tubular element for said extended portion normally not contacting an inflated tire but adapted to be contacted by a deflating tire; and a depression in the depending portion susceptible to emitting a snapping noise under conditions specified.

1,734,276. SANDING DEVICE FOR AUTOMOBILES. MAX SKOLNIK and BERNARD HELLER, Minneapolis, Minn. Filed Jan. 23, 1928. Serial No. 248,795. 4 Claims. (Cl. 291—23.)



1. A sanding device for automobiles comprising a sand-box having an opening in its lower portion and mounted on the upper portion of the fender of an automobile, said fender being provided with an opening underneath the opening of said sand-box, a curved discharge pipe underneath the fender and conforming to the curvature thereto, said discharge pipe having its upper end connected with said opening and its lower end positioned in front of a driving wheel of the automobile, a shutoff device for said pipe, and mechanism for operating said shutoff device.

1,734,277. ELECTRICALLY-CONTROLLED SANDING DEVICE FOR AUTOMOBILES. MAX SKOLNIK and BERNARD G. HELLER, Minneapolis, Minn. Filed Mar. 31, 1928. Serial No. 206,326. 5 Claims. (Cl. 291—20.)



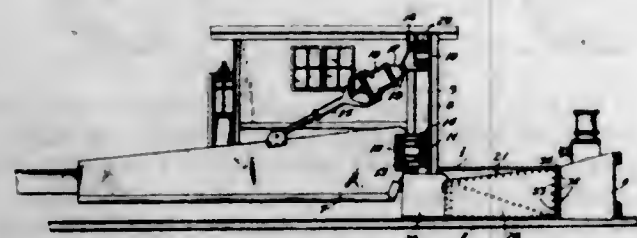
1. An electrically controlled sanding device for automobiles comprising a receptacle for sand mounted on the running board of the automobile, a discharge pipe extending from the bottom of said receptacle through the running board, bosses extending up from said bottom within said receptacle, a solenoid coil supported by said bosses, a tubular guide in said coil, a solenoid core working in said guide and normally held in upward position, a hollow flexible member secured to the lower end of said guide and fitting tightly around said core, a valve carried by said core and normally held against the lower end of said pipe, and a switch for closing a circuit through the coil of the solenoid to open said valve.

1,734,278. REFRIGERANT. JOHN GUDBRAND TANDBERG, Lund, Sweden, assignor, by mesne assignments, to Electrolux Servel, a Corporation of Delaware. Filed Oct. 1, 1925. Serial No. 59,965, and in Sweden July 7, 1925. 8 Claims. (Cl. 252—5.)

7. A group of substances for use in refrigeration comprising a methyl-amine as a cooling agent, an alcohol as a solvent therefor and a salt as a solute for lowering the vapor tension of the solvent.

8. A group of substances for use in refrigeration comprising a methyl-amine as a cooling agent, an alcohol as a solvent therefor and a chromate dissolved in the alcohol.

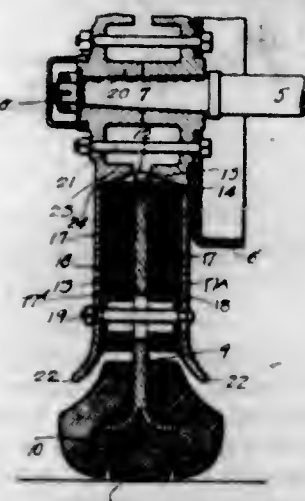
1,734,279. FRONT WING PLOW FOR RAILROAD SPREADERS. VSEVOLOD G. TELLIS, East Chicago, Ind., assignor to O. F. Jordan Company, East Chicago, Ind., a Corporation of Indiana. Filed Dec. 24, 1926. Serial No. 156,793. 9 Claims. (Cl. 37—105.)



1. A railroad spreader embodying therein, a front plow member, a main side spreader wing, and an apron positioned between said plow member and main spreader wing

and pivoted to said plow member and having a flexible extension on one end so positioned with respect to the wing as to prevent the material being spread from flowing under the inner end of said main wing.

1,734,280. VEHICLE WHEEL AND TIRE. ROBERT VOGEL, New York, N. Y. Filed Sept. 21, 1928. Serial No. 307,475. 3 Claims. (Cl. 152—28.)



1. A vehicle wheel comprising spaced disks, means for mounting some of the disks on an axle, inter-engaging rubber extensions on the disks and a ground engaging tire on the periphery of one of the disks.

1,734,281. VIBRATORY TOOTHBRUSH. RALPH W. WAGNER, HAROLD S. WILLIAMS, and LEON M. WELLS, Chicago, Ill., assignors to Robert H. Van Sant, Chicago, Ill. Filed July 23, 1925. Serial No. 45,726. 2 Claims. (Cl. 15—22.)



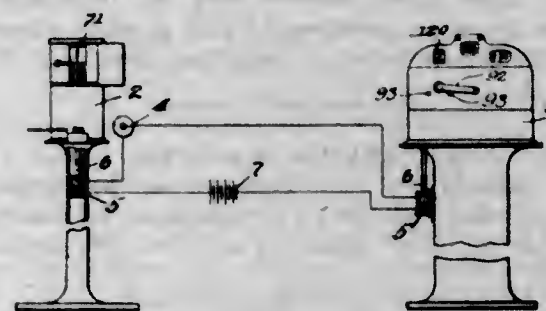
1. A device of the class described comprising an elongated casing, means adapted to reciprocate a tooth brush in a plane substantially parallel to the major axis of the casing, said means including an electromagnet within the casing adapted to be connected to a source of alternating or pulsating current, a pivoted armature adapted to be vibrated by the electromagnet, brush attaching means on the said pivoted armature and within the casing, and spring means adapted to normally retain the handle of a tooth brush within the said brush attaching means.

1,734,282. HOOD LATCH. JOHN F. WHITE, Chicago, Ill., assignor to White Products Co., Chicago, Ill., a Corporation of Illinois. Original application filed Apr. 27, 1921, Serial No. 464,282. Divided and this application filed June 27, 1923. Serial No. 648,166. 5 Claims. (Cl. 292—247.)



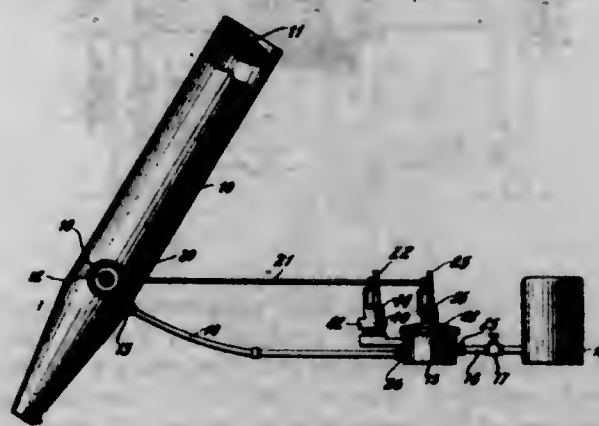
1. In a hood latch, a keeper-engaging element mounted on the inside of the hood, a resilient keeper, and means separate from the keeper and element and operable from exteriorly of the hood to bring the keeper and the element into interlocked engagement.

1,734,283. ZONE FARE SYSTEM. HUGO J. BAUR and ERNEST H. THOMPSON, Chicago, Ill., assignors, by mesne assignments, to Sidney S. Gorham, trustee, Chicago, Ill. Filed July 10, 1920. Serial No. 395,242. 27 Claims. (Cl. 235—32.)



27. A fare collecting system comprising mechanism adapted to issue tokens of different physical characteristics, mechanism adapted to receive a token as the passenger leaves and means in said mechanism for registering the correct fare the passenger has to pay, said means being governed by the physical characteristic of the token.

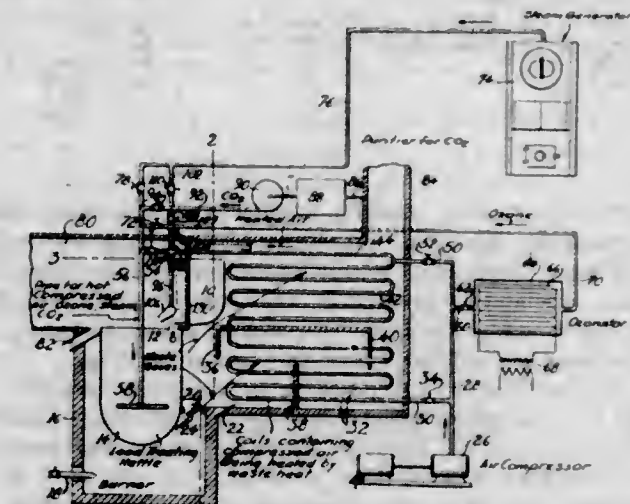
1,734,284. TELESCOPE CONSTRUCTION. ROBERT S. BLAIR, Stamford, Conn. Filed Nov. 9, 1922. Serial No. 599,512. 14 Claims. (Cl. 88—32.)



1. In telescope construction, in combination, a telescope having a magnifying element mounted thereon, and

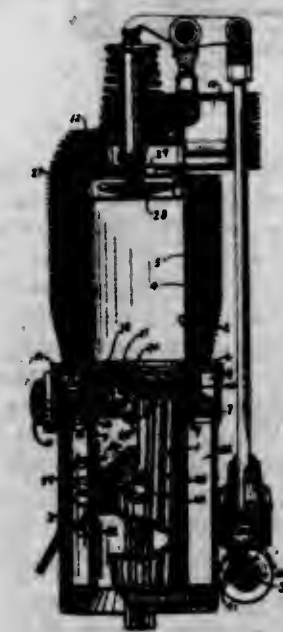
means providing a fluid under pressure beneath said magnifying element adapted to prevent distortion thereof due to its weight.

1,734,285. PROCESS FOR MAKING LEAD COMPOUNDS. CHESTER H. BRASELTON, New York, N. Y. Filed Dec. 20, 1920. Serial No. 432,048. 18 Claims. (Cl. 23—146.)



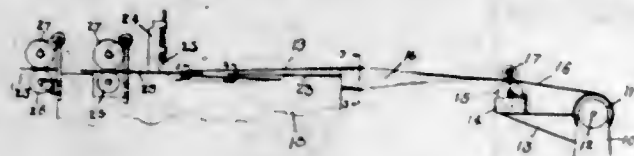
1. A process of making oxides of lead which comprises maintaining a mass of molten lead at a high temperature, passing through said lead a mixture of air and ozone and controlling the quantities and temperatures of said air and ozone to control the degree of oxidation of said lead.

1,734,286. COMBUSTION-ENGINE METHOD AND APPARATUS. FRANK DAVID BUTLER, Norfolk, Va. Filed Sept. 17, 1924. Serial No. 738,192. 35 Claims. (Cl. 123—47.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G. 757.)



1. In a combustion engine, the combination of a piston with a plurality of concentric operating surfaces separated by a cylindrical surface and means integral with the last mentioned surface for permitting a gas to pass along and through said piston, the said piston being mechanically connected to a crank shaft and each of said first mentioned surfaces operating within separate compartments of uniform diameter throughout the length of travel of the respective surfaces, means associated with the cylindrical surface of the said piston for controlling the ingress of fuel mixture into the larger of said compartments from a source of supply, means associated with the smaller of said surfaces for controlling the ingress of said fuel mixture into the smaller of said compartments, means for controlling the egress of gases from said smaller compartments, and means associated with the said crank shaft for operating the last said means.

1,734,287. BAG-BINDING METHOD AND APPARATUS. JOHN E. CORNELL, Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a Corporation of New York. Filed June 1, 1926. Serial No. 112,825. Renewed Aug. 2, 1928. 19 Claims. (Cl. 12-10.)



1. The method of binding a bag end comprising placing a binding tape over the bag end, adhering the edges of the tape to the bag walls while leaving the edges of the bag walls and middle of the tape free from adhesive, and sewing through the tape and walls along a line between the adhesive and the end of the bag.

7. The method which consists in applying adhesive to a tape along a line spaced from the edge thereof, guiding the tape, by contact with its uncoated edge, into position with its coated side against an article to which it is to be applied, and thereafter pressing the coated portion of the tape against the article and thereby spreading the coating towards the edge of the tape.

1,734,288. LUBRICATING FITTING. ERNEST W. DAVIS, Oak Park, Ill., assignor to Alenite Corporation, Chicago, Ill., a Corporation of Delaware. Filed Sept. 28, 1923. Serial No. 665,353. 2 Claims. (Cl. 184-105.)

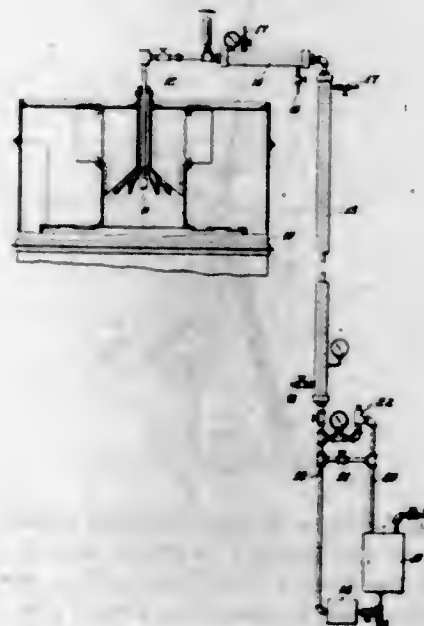


1. A two-part lubricant receiving fitting adapted to be secured into the oil hole of a bearing, comprising a bushing member having an outer cylindrical surface substantially conforming to the oil hole of the bearing to which it is to be secured, said bushing having a centrally perforated convex end wall, said wall being adapted to be deformed thereby to expand the end portion of the cylindrical wall into tight frictional engagement with the walls of the oil hole of the bearing, a fitting having means for making a detachable connection with a lubricant supply source, and cooperating attaching means on said bushing and fitting.

1,734,289. DESICCATION APPARATUS. WALTER H. DICKERSON, East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del., a Corporation of Delaware. Filed Mar. 9, 1923. Serial No. 623,840. 1 Claim. (Cl. 159-3.)

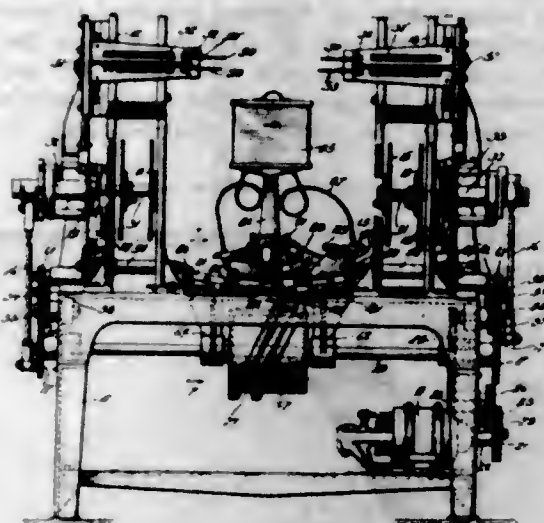
In desiccation apparatus: a drying tower, means for finely subdividing the liquid to be desiccated and delivering the said liquid to the tower, a feed pipe for supplying liquid to be desiccated to the liquid subdividing means, a feed tank for the liquid to be desiccated with which said feed pipe communicates, pressure producing means interposed in the liquid feed line between the feed tank and the liquid subdividing means, a continuous return connection to said supply tank from the feed pipe beyond said pressure producing means and anterior to said liquid subdividing means for by-passing a controllable portion of the liquid directly to said tank and discharging it freely into said tank through an unrestricted opening, and a pressure regulating means in said return connection for maintaining a constant predetermined pressure

on the liquid in the feed pipe supplying the liquid subdividing means, whereby agitation of the liquid in the supply tank is secured and the solid matter of said liquid maintained in suspension and with a uniform concentration thereof as well as clogging of the means for finely dividing the liquid prevented, and means located beyond



said continuous return connection for heating only the liquid being delivered to said liquid subdividing means, all of the liquid going through the heater being passed directly to the sub-dividing means without intermingling with any other liquid, whereby only the thoroughly agitated and properly conditioned liquid in exact amount to be immediately delivered to the spray nozzles is heated.

1,734,290. CAN-SPRAYING MACHINE. FELIX EBERHART, Newark, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 22, 1922. Serial No. 555,976. 10 Claims. (Cl. 91-45.)



1. A can spraying machine, comprising means for individually positioning and rotating can bodies, and automatically acting spraying means, comprising a carriage and a nozzle mounted thereon, and means for moving said carriage on an inclined plane to dispose the nozzle at different angles with respect to the horizontal, whereby to direct the spray to different portions of the can.

1,734,291. CELLULOSE CONDENSATION PRODUCT AND PROCESS FOR MAKING SAME. ERICH GERHAUER-FURZENEGG, Vienna, Austria, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 19, 1927. Serial No. 214,216. 9 Claims. (Cl. 260-100.)

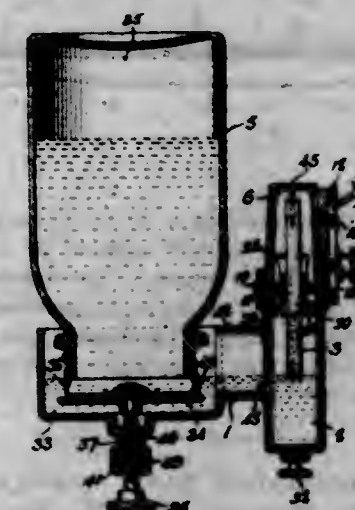
7. The process for preparing undegraded sulfuric acid esters which comprises treating cellulose with a reaction mixture containing a tertiary amine and a member of the group which consists of chlorosulfonic acid and its esters.

1,734,292. AIR COMPRESSOR. MANUEL C. GONZALEZ, Mexico, Mexico. Filed May 4, 1928. Serial No. 275,174. 3 Claims. (Cl. 123-193.)



1. In combination, an engine cylinder having a threaded opening for receiving a spark plug and a piston operating within the cylinder, a storage tank, a pipe having one end mounted upon the cylinder and communicating therewith through the spark plug opening and its opposite end secured to and communicating with the tank, said pipe providing a combined air conduit and tank support, a check valve at the tank end of the pipe, check valve controlled communication between the pipe and atmosphere, and a hose having one end communicating with the tank with means at the other end of the hose for attachment to the valve of a tire.

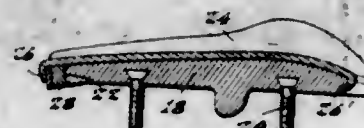
1,734,293. MOISTENER. HENRY HELLMWEG, Milwaukee, Wis., assignor to Helzen Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 16, 1924. Serial No. 720,190. 7 Claims. (Cl. 91-51.)



1. A moistener of the character described comprising a reservoir, a cover for said reservoir provided with an open-

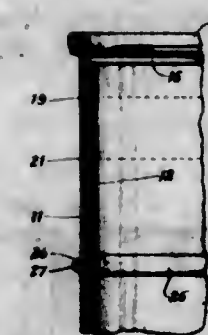
ing, a wheel arranged in said cover with its periphery in alignment with and in proximity to said opening, said wheel being rotatably supported by said cover at the edge thereof whereby the lower portion of said wheel extends into said reservoir, and means associated with said moistener for holding said thread in alignment with said opening for movement therethrough, the arrangement of said opening being such as to permit engagement of the thread with the periphery of said wheel whereby the latter is rotated upon said movement of the thread.

1,734,294. PRESSING FORM AND METHOD OF MAKING IT. JOHN J. HEYS, deceased, Lynn, Mass., by Lucy A. Heys and George H. Heys, executors, Lynn, Mass., and Albert R. Braden, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 3, 1925. Serial No. 41,362. 15 Claims. (Cl. 12-38.)



9. A sole-pressing form comprising a cast-iron body having steel pins embedded in it, and a steel face plate having the desired sole-shaping contour welded to the pins.

1,734,295. DOUBLE-BODY TEARING-STRIP CAN. JOSEPH C. HOLLOWAY, New Orleans, and HENRY A. SCHULZ, Algiers, La., assignors to American Can Company, New York, N. Y., a Corporation of New York. Filed Feb. 19, 1923. Serial No. 619,808. Renewed Jan. 31, 1929. 3 Claims. (Cl. 220-54.)



1. A sheet metal can having a body, a top and bottom double seamed with said body, an inner body having its lower edge held within the bottom double seam and having its top extending to a point near the top double seam, and score lines in the outer body setting off a tearing strip below the top of the inner body, whereby the can is reinforced, and a slip cover is formed for the inner body when the can is opened by the removal of said strip.

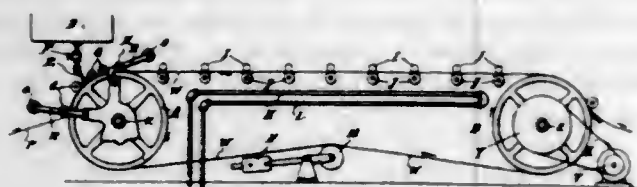
1,734,296. MINING APPARATUS. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 12, 1924. Serial No. 735,484. Renewed Nov. 8, 1928. 84 Claims. (Cl. 262-28.)



1. In a mining apparatus, a truck having running gear, a mining machine thereon having a cutter bar movable rela-

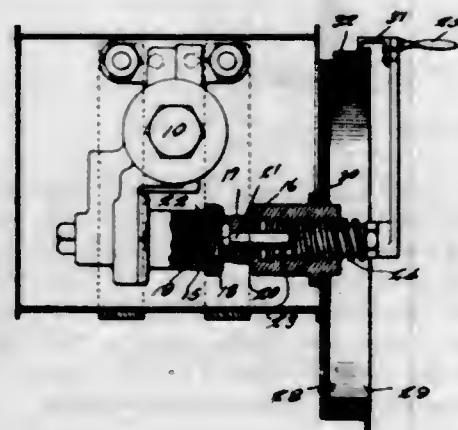
tive thereto, and means for driving the running gear of said truck and for moving said cutter bar relative to the truck including a flexible element common to both functions and means for effecting circulation thereof as a whole or movement of portions thereof relative to another fixed portion including means for holding a portion thereof stationary.

1,734,297. APPARATUS FOR SURFACING PAPER. JOSEPH MOSES WARD KITCHEN, East Orange, N. J. Filed June 30, 1924. Serial No. 723,379. 13 Claims. (Cl. 92-68.)



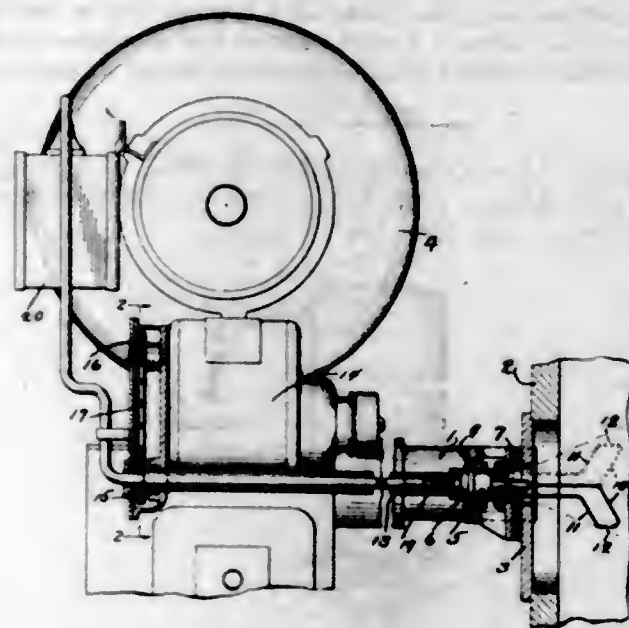
1. Apparatus for surfacing paper herein described, which consists of means for moistening a dry basic paper in running the paper on an endless wire-web, said wire-web, means for spreading the surface of and molding the moistened paper into irregularities in the surface of the wire-web, said irregularities in the surface of the wire-web, said means comprising a pressure roll having a soft elastic molding and pressure surface adjustable to the irregularities in the surface of the wire-web, and means for drying the impressed and molded paper while on the wire-web.

1,734,298. AIR-PRESSURE VALVE. EDWARD H. LEHR, Conemaugh, Pa. Filed Oct. 2, 1925. Serial No. 60,133. 1 Claim. (Cl. 50-8.)



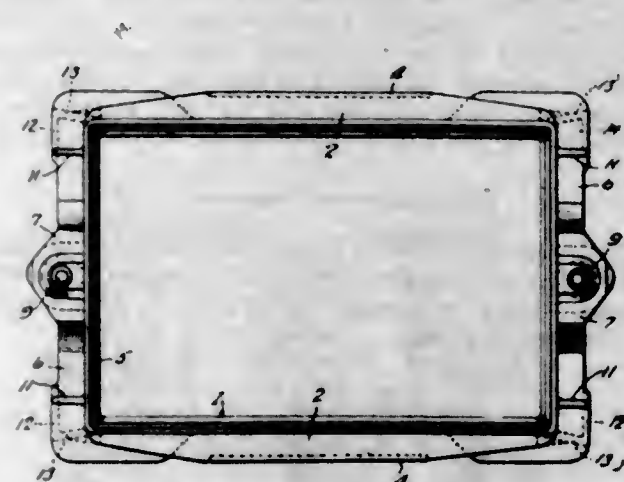
An attachment for use upon air pressure valves comprising a cylinder having a reduced extension adapted for engagement with the spring box therefor, said extension having an enlarged bore adapted to accommodate the adjacent end of the spring for the box, said cylinder being provided with a restricted longitudinally disposed bore between the body of the cylinder and the socketed portion of the extension, a plunger rod slidably mounted within the bore and having a plunger head upon one end disposed within the socketed portion of the extension and engaging the end of the spring therein, a spiraled shaft operable within the cylinder and engageable with the adjacent end of the plunger rod, a crank arm for the shaft, and a drum carried by the cylinder and adapted to indicate the amount of pressure being released from the valve by said shaft.

1,734,299. IGNITION MECHANISM. JAMES N. MACRAE, Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y., a Corporation of Delaware. Filed May 12, 1928. Serial No. 277,338. 4 Claims. (Cl. 175-115.)



1. Ignition apparatus for oil burners, comprising a pair of electrodes and means for moving the electrodes through a complete revolution to pass the same through fuel issuing from the burner.

1,734,300. MOLD FLASK. FRANK E. MCCABE, Cleveland, Ohio, assignor to The Graber Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Sept. 19, 1925, Serial No. 57,333. Divided and this application filed Mar. 25, 1927. Serial No. 178,251. 16 Claims. (Cl. 22-96.)

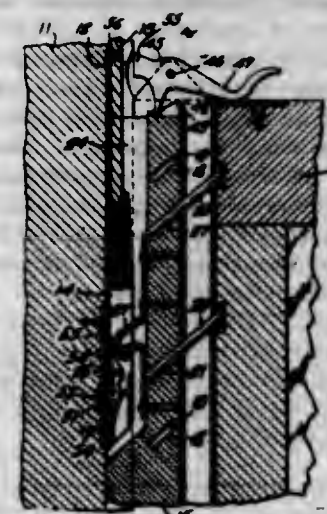


1. A mold flask comprising a frame, flanges spaced apart and extending along each side member of the frame, and webs connecting the outer edges of the flanges of each side member thereby to effect a tubular construction for each side member of the frame, the end members of said frame having flanges separating into upper and lower branches adjacent the transverse center thereof.

1,734,301. DETACHABLE SASH. CHARLES L. MORGAN, Pittsburgh, Pa. Filed Dec. 28, 1927. Serial No. 243,192. 5 Claims. (Cl. 20-52.3.)

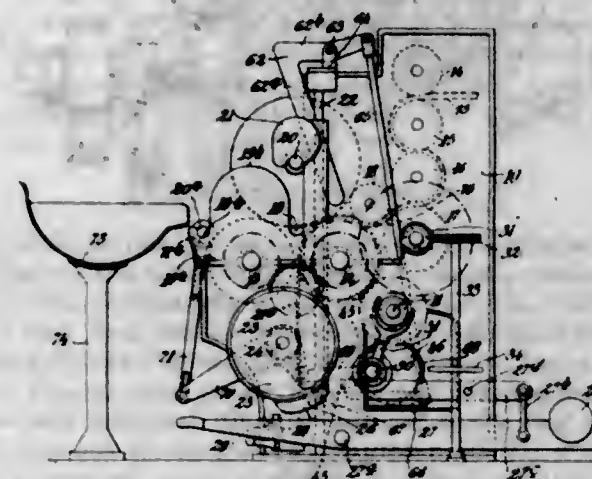
1. The combination with a window frame and a slidably mounted sash, of a sectional cord attaching mem-

ber, means to secure a sash cord to one section of said member, means to secure the other section of said member



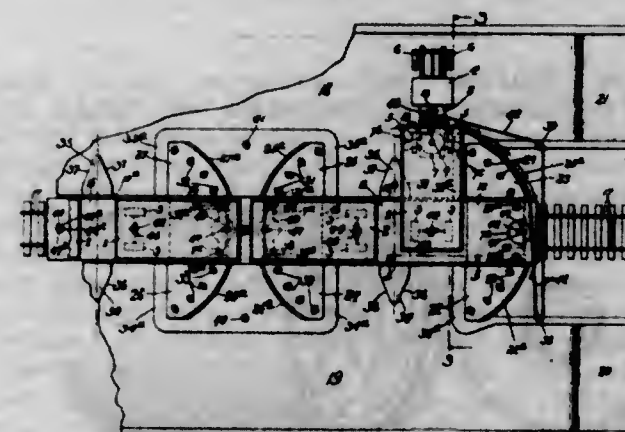
to the sash, means to lock the sections together to connect the cord and sash, and means to release said sections to release the cord from the sash.

1,734,302. AUTOMATIC LAP DOFFER. THOMAS S. RAMSDALL, Great Barrington, Mass. Filed June 8, 1928. Serial No. 283,824. 17 Claims. (Cl. 19-162.)



1. In a picker calendar or the like comprising carrier rolls, means for accelerating the carrier rolls momentarily at predetermined intervals.

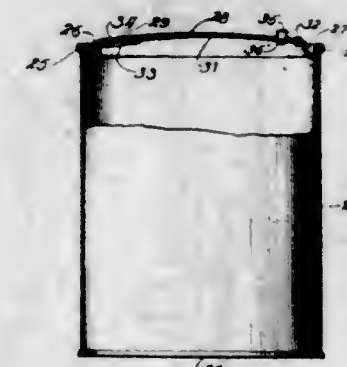
1,734,303. TRANSPORTATION SYSTEM. WARREN A. ROSS, Long Beach, Calif., assignor of one-fourth to Donald M. Carter, Chicago, Ill., and one-fourth to Truman O. Boyd, Long Beach, Calif. Filed Apr. 9, 1927. Serial No. 182,438. 10 Claims. (Cl. 105-159.)



1. A transportation system comprising a carrying receptacle adapted to be transported along an ordinary road

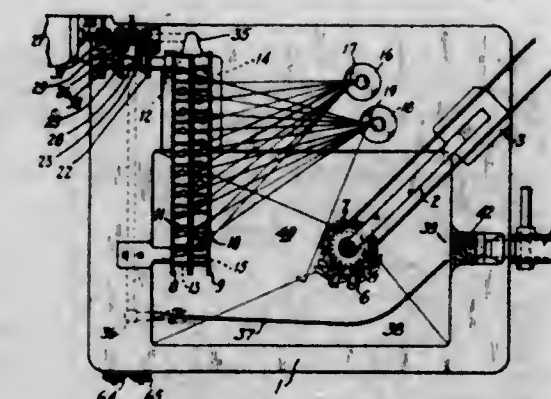
to the railroad, a railway car having two end sections in substantially the same horizontal plane and a central section in a different and lower plane, one end of the carrying receptacle being lowered on said lower central section and the other end of said carrying receptacle being lowered on one of said end sections.

1,734,304. DREDGE-TOP CAN. ARTHUR A. SAALBACH, East Orange, N. J., assignors to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 14, 1923. Serial No. 662,657. 1 Claim. (Cl. 221-62.)



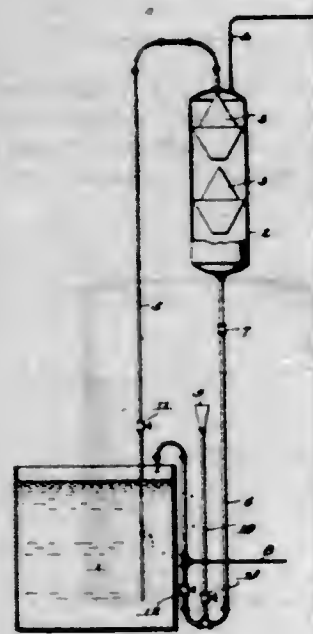
A dredge top can, comprising a body, a cover having an outlet opening therein, and an aperture, a spring closure member secured to and lying against the under side of said cover at said aperture and having a portion normally disposed in position to close said opening, and a button extending through said aperture of the cover and located near the point of securing of the closure member and adapted, when pressure is exerted thereon, to move inward through said aperture and move said closure member inward from closing position, the outlet opening and the aperture for said button being each located near the periphery of the can top at opposite sides of the same and the aperture being closed by the spring when it lifts said button.

1,734,305. SILK-REELING APPARATUS. JOHN A. SCHEIBL, Jackson Heights, N. Y. Filed Aug. 18, 1927. Serial No. 213,748. 20 Claims. (Cl. 19-3.)



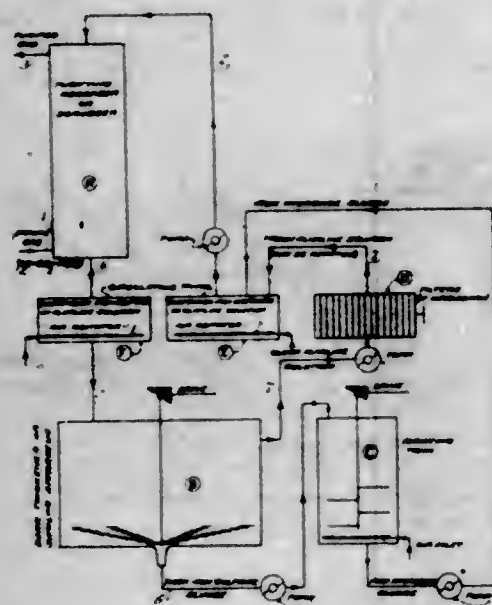
1. In a device of the character described, the combination, with a basin having an inlet and an outlet, of a supply of hot water, a plate in said basin which diverts the incoming flow into a rapidly moving body and a slowly moving body, a conduit through which are being led the fibers from cocoons which are being unwound, a conveyor adjacent said conduit, a plurality of compartments on said conveyor, each compartment being adapted to accommodate successive single cocoons means adjacent said conduit to engage the fibers of said cocoons, electrical means actuated by the passage of a free loose cocoon through the outlet, which causes said conveyor to move to deposit a cocoon into the slowly moving body of water, rotating means which catches the fiber of such cocoon and winds it about the thread before it reaches the conduit.

1,734,306. CYANIDE PROCESS OF TREATING ORES CONTAINING PRECIOUS METALS. PAUL C. SCHRAPPE, Guayaquil, Ecuador. Filed Jan. 16, 1925. Serial No. 2,760. 6 Claims. (Cl. 75-185.)



1. The process of treating ores containing precious metals, which consists in removing substantially all the air and other gases from a pulp mixture of comminuted ore, introducing into the mixture a substance capable of releasing free oxygen gas, adding cyanide, and agitating.

1,734,307. GAS-PURIFICATION PROCESS. FREDERICK W. SPERR, JR., Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 8, 1921. Serial No. 520,807. 19 Claims. (Cl. 23-3.)

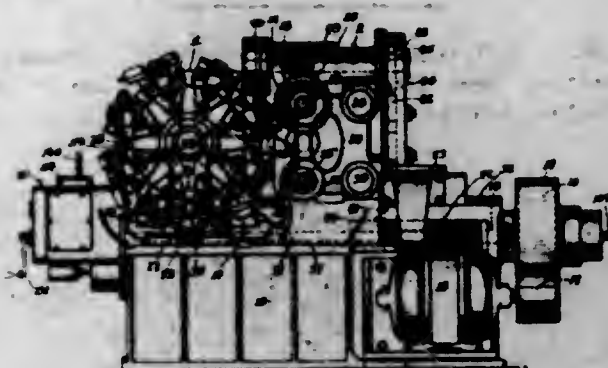


1. The process of purifying gases which consists in: passing a substantially ammonia-free gas into contact with an absorbent solution constituted of dissolved non-volatile alkali to absorb sulphur from the gas and containing in suspension an iron compound also having an affinity for sulphur, whereby a reaction occurs in which sulphur is transferred from the alkali to the iron, with formation of iron sulphide; then mechanically accelerating separation of the iron sulphide from the solution and subjecting the iron sulphide to aeration to remove the sulphur as free sulphur and restore the iron to its original state; sepa-

ately aerating the alkali solution from which the iron sulphide has been removed; and then mixing the revived iron compound with the alkali solution; substantially as specified.

7. The process of removing sulphur compounds from gases which consists in: passing a gas containing sulphur into contact with a sulphur-free non-volatile alkali solution containing a solid in suspension, the solution having an initial affinity for the sulphur of the gas and the solid in suspension having an affinity for the sulphur absorbed by the liquid, whereby the liquid acts as a carrier of the sulphur from the gas to the solid in suspension; then separating the solid matter containing sulphur from the bulk of the liquid and separately regenerating such solid matter with liberation of free sulphur therefrom; and mixing the regenerated solid matter with the liquid for further absorption of sulphur from gases; substantially as specified.

1,734,308. MILLING MACHINE. GUSTAF D. SUNDBRAND, Rockford, Ill., assignor, by mesne assignments, to Sundstrand Machine Tool Co., Rockford, Ill., a Corporation of Illinois. Filed Nov. 30, 1925. Serial No. 72,072. 30 Claims. (Cl. 90-15.)

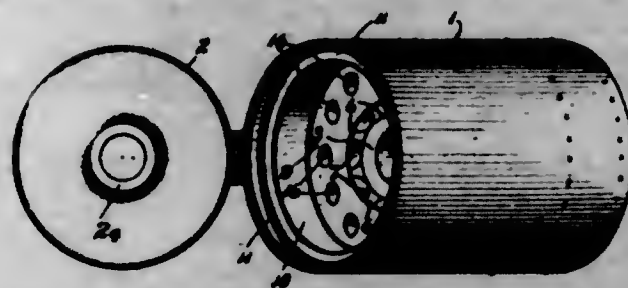


1. A machine of the character described comprising, in combination, a base, a spindle head reciprocally mounted on the base, a rotary work support adapted to carry a plurality of work pieces also mounted on the base, said head having a pair of cutter arbors disposed one above the other in spaced relation and parallel to the axis of said work support, and means for automatically indexing said work support to thereby position the work pieces opposite said cutters and for moving said head to carry the cutters into and out of engagement with two pieces of work simultaneously.

1,734,309. ELECTRIC RESISTANCE MATERIAL. TORRENCE A. SWARTZ and WILMER P. URILEN, Tottenville, N. Y. Filed Sept. 24, 1923. Serial No. 664,575. 2 Claims. (Cl. 201-76.)

1. An electrical resistance material comprising a vulcanized composition consisting of rubber, sulphur, barium sulfate and finely divided particles of carbon, the relative proportions of said barium sulfate and carbon determining the specific resistivity of the material.

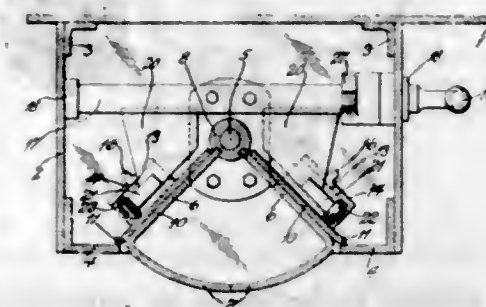
1,734,310. BOILER. HURTON TAYLOR, Detroit, Mich. Filed Feb. 2, 1926. Serial No. 85,521. 12 Claims. (Cl. 122-140.)



1. A boiler furnace comprising a centrally located elongated barrel, said barrel being of refractory material and

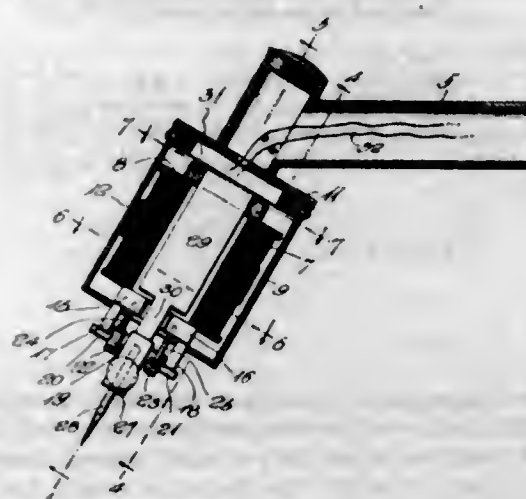
formed at its outer surface with a plurality of spaced apart longitudinally located and radially projecting ribs separated by a longitudinal relatively narrow concaved grooves, a plurality of reflectors disposed one in and lengthwise of each groove, a tube enclosing said barrel, the outer faces of the ribs directly engaging with the inner side of said tube, and a plate secured across the tube a short distance beyond the inner end of the barrel, said plate being formed so as to deflect burning fuel projected against it to said grooves at the outer side of the barrel, a water holding enclosure located around the tube and extending a short distance beyond its inner ends.

1,734,311. CASE. MICHAEL J. TRACY and JULIUS H. KINTZLE, St. Louis, Mo. Filed Nov. 3, 1928. Serial No. 317,097. 12 Claims. (Cl. 312-106.)



1. A device of the character described comprising a shaft, a pair of angular wall elements supported by said shaft, means for operating one of said wall elements toward the other to form an enclosure, and a device for cooperating with said means to lock said last named wall element in closed position.

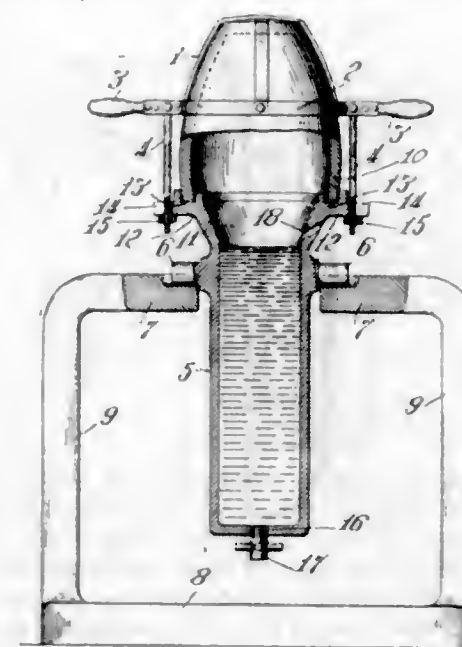
1,734,312. ELECTRICAL PHONOGRAPH APPARATUS. MELVIN E. VANSICKLE, Newark, N. J., assignor to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Mar. 17, 1927. Serial No. 170,087. 8 Claims. (Cl. 179-100.1.)



5. An electrical phonograph pick-up comprising a supporting member, a permanent magnet carried by said supporting member, said permanent member having pole pieces embracing opposite ends of an electromagnetic winding, one of said pole pieces being bifurcated, with V-shaped projections secured to the bifurcated portions of said pole piece, a rockable member having a pair of oppositely extending arms each pivotally centered in said V-shaped projections, spring means for balancing said rockable member in a neutral position with respect to the bifurcated portions of said pole piece, and an armature member connected to said rockable member and extending through said electromagnetic winding, and a stylus carried by said rockable member for imparting mechanical vibrations to said armature.

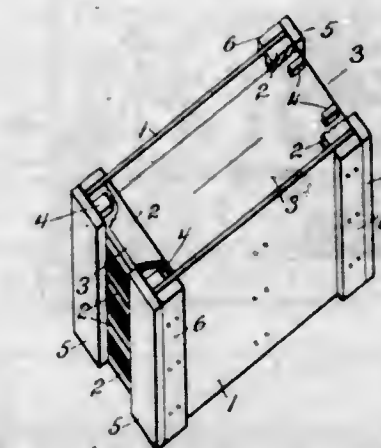
388 O. G.—10

1,734,313. CASTING APPARATUS. NILS W. DANIEL VON MALMBERG, Kokomo, Ind. Filed May 26, 1928. Serial No. 280,690. 1 Claim. (Cl. 22-79.)



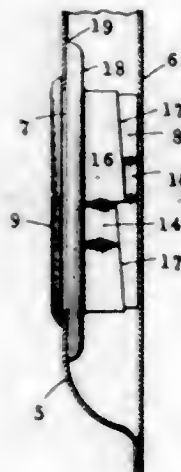
Apparatus for producing metal castings which comprises a mold having a mouth portion, means for engaging bolts with the mouth portion of said mold, means at the said mouth portion for receiving the rim of the mouth of a crucible for effecting a hermetically sealed connection between said mold and said crucible, air vents at opposite ends of said mold, a pair of trunnions thereon adjacent the mouth portion thereof, a supporting frame equipped with bearing formations to receive said trunnions, said mold being rotatable in said bearing formations to inverted position, a crucible receiving and supporting structure having manually engageable members for transporting the same, bolts pivotally secured to said members and adapted to engage the first-mentioned means to firmly associate the mold with a crucible mounted in said structure, said air vents being sealable to permit inversion of said crucible after association with the inverted mold to effect transfer of the contents of the crucible to the mold.

1,734,314. SHIPPING AND STORING CASE. CLARK E. WEAVER, Kansas City, Mo. Filed Dec. 13, 1928. Serial No. 325,767. 6 Claims. (Cl. 206-60.)



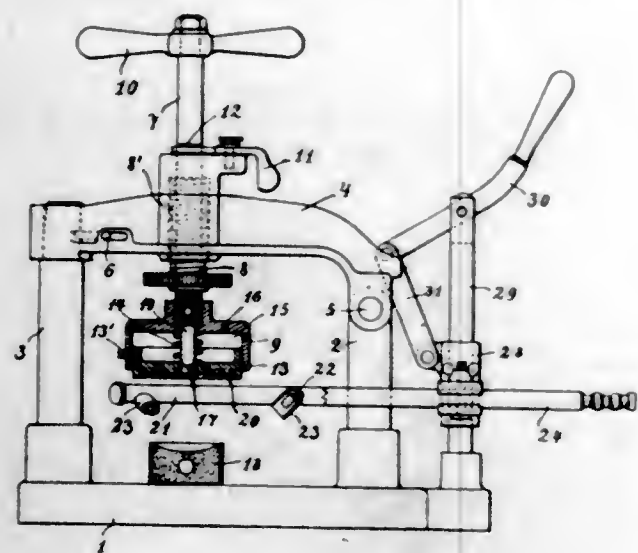
1. A shipping and storing case having side members, cross members in spaced sets one above another, the sets below the top set being adapted to respectively support piles of panels, and removable wedging members between said sets adapted to press on said piles and against the cross members next above.

1,734,315. INSTRUMENT MOUNTING. CHARLES W. WEISSENFELS, St. Louis, Mo., assignor to American Thermometer Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 14, 1927. Serial No. 219,425. 3 Claims. (Cl. 248—30.)



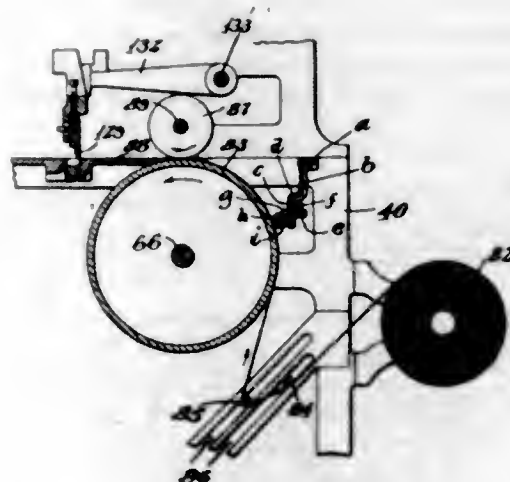
1. In a device of the class described, the combination with a panel having an opening therein, of an instrument casing extending through said opening and provided with a lug and an outer clamping flange, said flange bearing against the front face of the panel, a clamping ring co-operating with the casing and panel, said ring having a body portion rigid in the direction of the applied clamping pressure and having a passage for the lug and a cam face engaging with the lug, and a bearing flange carried by said ring, said flange being resilient in the direction of said pressure.

1,734,316. CASTING MACHINE. HANS WETZLER, Offenbach-on-the-Main, Germany. Filed Apr. 7, 1928. Serial No. 268,213, and in Germany Apr. 14, 1927. 4 Claims. (Cl. 22—68.)



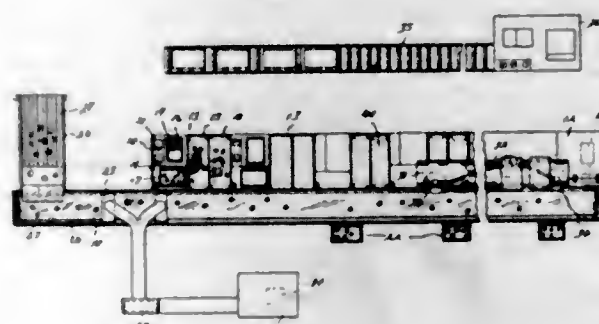
1. A casting machine comprising a frame, a mould on said frame, means for heating said mould, a movable part on said frame comprising a cylinder, a piston in said cylinder adapted to engage the top of said mould so as to close said mould, a pin in said cylinder adapted to penetrate through said piston and to exert pressure on the metal in said mould after said piston has closed said mould, and means for displacing said cylinder with respect to said mould.

1,734,317. ROLL-PAPER RETAINER. WALLACE D. WHITE, Nashua, N. H., assignor to National Bread Wrapping Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 7, 1928. Serial No. 317,849. 7 Claims. (Cl. 271—2.1.)



1. In a machine having means for intermittently feeding a web of paper and cutting it into sections to form wrappers, a rotating support for the web, a fixed plate tangential to said support, and a roll movably supported between said support and plate.

1,734,318. APPARATUS FOR HANDLING MERCHANDISE. FRANK A. L. BLOOM, Detroit, Mich. Filed Sept. 10, 1928. Serial No. 305,007. 7 Claims. (Cl. 209—125.)

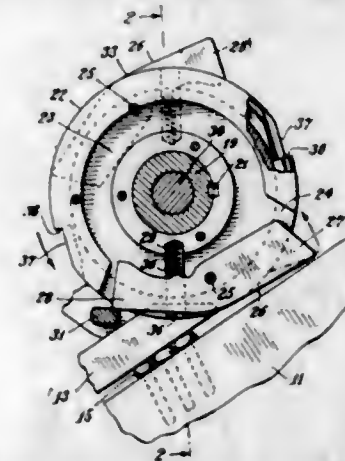


1. In an apparatus of the class described, a conveyor of the endless belt type, means for discharging individually wrapped tomatoes upon the conveyor, means associated with the conveyor opposite the discharge means for cushioning the tomatoes as they are discharged upon the conveyor, pneumatic means above the conveyor adjacent the discharge means for removing the wrappers from the tomatoes, and means beyond the removing means along the conveyor for receiving tomatoes according to ripeness and size.

1,734,319. CLEARANCE MECHANISM FOR MIS-ALIGNED ARTICLES. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 28, 1927. Serial No. 236,281. 10 Claims. (Cl. 10—165.)

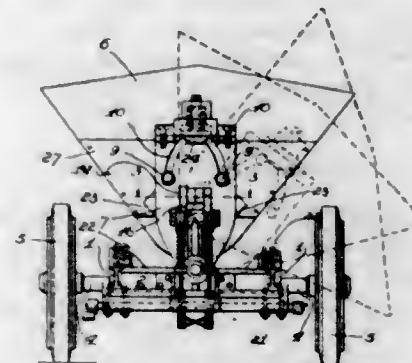
1. In a clearance mechanism for article chutes or the like, a rotary member, a spring pressed article engaging element having a nose and a tail, means to pivotally con-

nect said element to the member whereby as the nose leaves and approaches the chute the same lies within and the tail projects beyond the periphery of the member, and



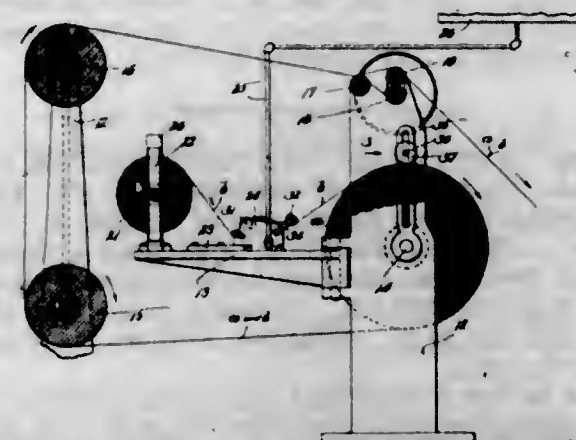
means to engage the tail so as to rock the element and cause the nose thereof to project beyond the periphery of the member as the nose reaches a predetermined point adjacent to the chute.

1,734,320. ROCKING DUMP BODY. LEROY E. WILLIAMS, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Aug. 16, 1926. Serial No. 129,369. 15 Claims. (Cl. 298—10.)



1. In combination with a vehicle frame and a hopper body, a pair of supports extending upwardly from the frame adjacent the ends of the body and mounted for rocking in either direction about a longitudinal axis of the frame directly below the center of gravity of the body in its normal load-carrying position, connections between said supports and the body by which the latter is adapted to rock on the supports about an axis parallel to the axis on which the supports rock, and means limiting the angular range of both rocking movements.

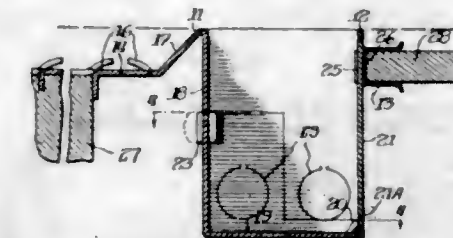
1,734,321. MACHINE FOR MAKING WRAPPING BANDS. KNOWLES YOUNGBLOOD, Nashua, N. H., assignor to Nashua-Youngblood Company, Nashua, N. H., a Corporation of Massachusetts. Filed Nov. 8, 1927. Serial No. 231,902. 4 Claims. (Cl. 154—42.)



4. A machine for uniting two lengths of paper to prepare them for transverse cutting into duplex sections,

said machine including means for applying a narrow strip of gummed paper to the marginal portion of a traveling wide strip of paper, means for applying moisture to one of the strips to effect adhesive uniting of the strips, and means for pressing said strips together.

1,734,322. SWITCH BOX. ERNST G. APPLETON, Chicago, Ill., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 16, 1928. Serial No. 262,158. 5 Claims. (Cl. 247—21.)



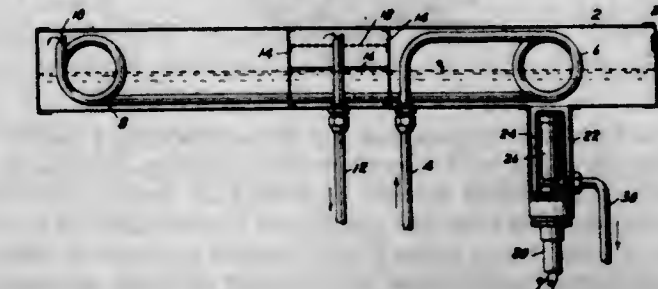
4. A switch box comprising two major members, one of said major members comprising two plane portions in right angular relationship with one another comprising a side wall and the bottom wall of said switch box, and a third plane portion in right angular relationship with said side wall and extending from the top of said side wall intermediate of the length of said side wall, said third plane portion being displaced from the face of said box a substantial amount, the other of said major members comprising a U-shaped member adapted to interfit with the side wall and bottom wall of said first major member to form three other walls of said switch box.

1,734,323. SPRING INNER TUBE. MARY VIRGINIA BECK, Long Beach, Calif. Filed Mar. 26, 1928. Serial No. 264,589. 2 Claims. (Cl. 152—8.)



1. A spring inner tube comprising inner and outer rings of arcuate cross-section, a plurality of coil springs positioned between the rings, metal cups secured to both ends of springs, and means to secure said metal cups to the rings, said means comprising rubber blocks secured in the rings, nuts in the blocks, and threaded stems extending from the cups and screwing into the nuts.

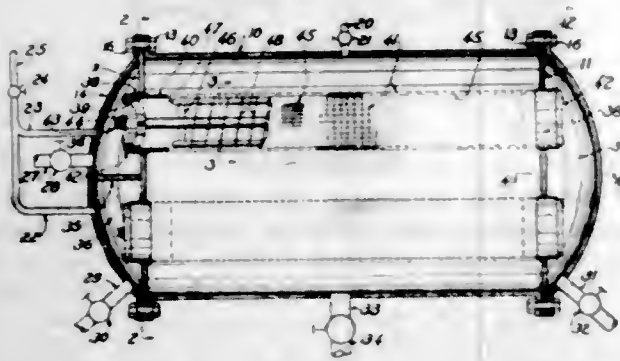
1,734,324. SEPARATOR. FRANK A. BROWNE, Wayne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Feb. 13, 1928. Serial No. 253,962. 4 Claims. (Cl. 183—102.)



2. A separator comprising a chamber, a spiral tube of substantial length and relatively small internal diameter

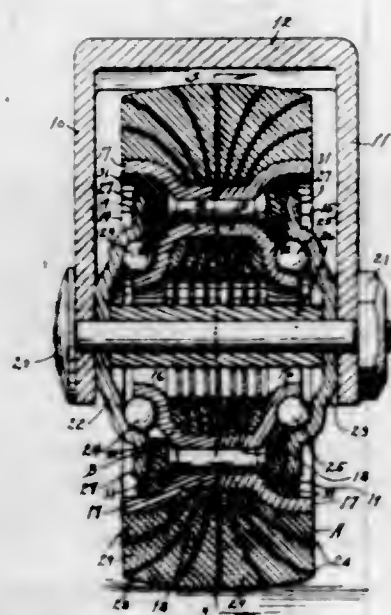
adapted to separate liquid centrifugally from vapors and opening above a normal liquid level within said chamber, an outlet tube extending upwardly within said chamber with an open end above said normal liquid level within said chamber, a series of baffle plates arranged to prevent foam from the liquid from entering the open end of said tube, and a heated outlet for liquid in said chamber.

1,734,325. TUBULAR FILTER PRESS. HUGH HARLEY CANNON, Los Angeles, Calif., assignor to Oliver United Filters, Inc. Filed May 28, 1928. Serial No. 281,300. 5 Claims. (Cl. 210—184.)



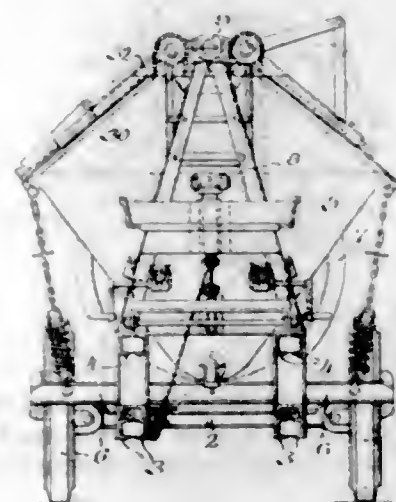
1. In a filter press: a hollow body for receiving filtrate; a plurality of tubes of foraminous material disposed in parallel relation within said body and nonleakably secured into opposed walls thereof, the latter dividing said body into three chambers; a partition within one of said chambers separating it into sections each communicating with one or more of said tubes; means for introducing a liquid under pressure into one of said sections; means for withdrawing a portion of said liquid from the other of said sections, and means for withdrawing filtrate from said body.

1,734,326. CASTER WHEEL. WILLIAM MORTON CHESNUTT, Fresno, Calif., assignor to John Louclen Chesnutt, Long Beach, Calif., and Fisk Mark Ray, Oakland, Calif. Filed Nov. 2, 1927. Serial No. 230,517. 8 Claims. (Cl. 16—46.)



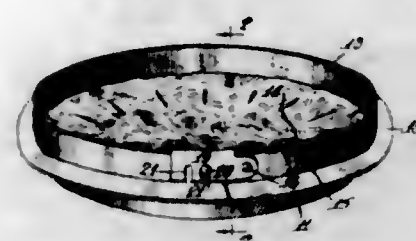
1. A wheel for casters and the like comprising a pair of spaced side plates each formed with a plurality of inwardly extending apertured bosses, a laminated tread member mounted between said side plates, the several units of said tread member being formed with spaced registering holes through which said bosses extend, and securing members projecting through the bosses and binding the units of the tread member together and between said side plates.

1,734,327. SLIDING COVER FOR DUMPING BODIES. CHARLES G. CLEMENT, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Aug. 28, 1926. Serial No. 132,054. 10 Claims. (Cl. 296—101.)



1. In combination with a hopper body, a cover comprising a section hingedly mounted adjacent the middle of the body and extending part-way toward the side thereof, with a supplemental section slidable on the first and dimensioned to extend therefrom to the side of the body, together with operating means for raising the cover, adapted for sliding said supplemental section toward the hinged mounting of the other section in the initial portion of the opening movement.

1,734,328. PIE RING. KATE CONRAY, Philadelphia, Pa. Filed Jan. 26, 1929. Serial No. 335,194. 5 Claims. (Cl. 53—6.)

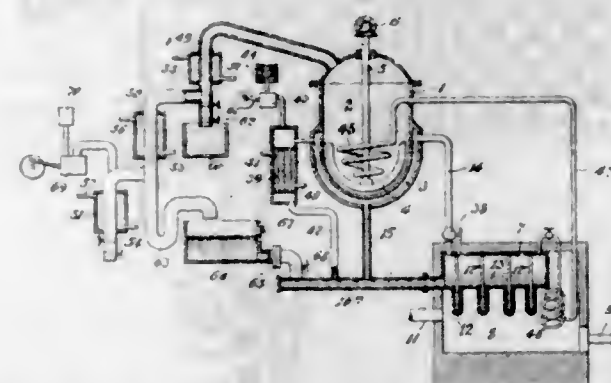


1. A pie pan attachment including a length of spring metal bent into substantially ring form with its ends overlapping and slidably connected together, said ring defining an upstanding flange portion and therebelow being shaped to provide an inwardly facing groove adapted to receive the flange of a pie pan, a latch member of generally U-shape in cross section pivotally connected to one end of the ring straddling both ends thereof and coacting with keeper means on the other end of the ring to sustain the attachment in pan clamping position.

1,734,329. METHOD OF HEATING AND FOR CONTROLLING CHEMICAL REACTIONS AT HIGH TEMPERATURES. CHESBY FIELD, Yonkers, N. Y., assignor to Chemical Machinery Corporation, a Corporation of New York. Original application filed Mar. 4, 1920, Serial No. 363,120. Divided and this application filed July 15, 1922. Serial No. 575,866. 18 Claims. (Cl. 260—172.)

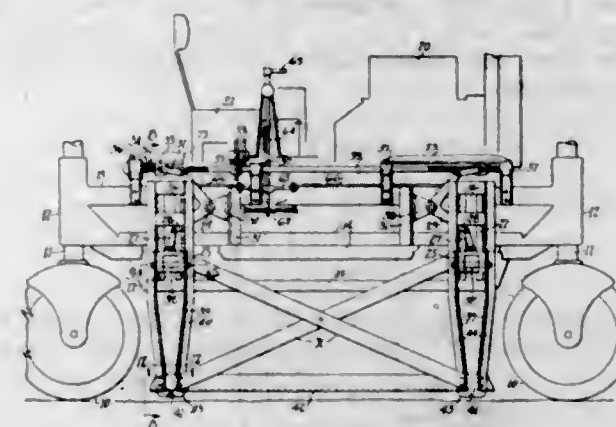
1. The method of distilling a vaporizable substance having a vaporization point above that of water and which has no chemical, solvent or surface affinity for mercury, which method consists in subjecting mercury to heat to

form a vapor, applying a part of the mercury vapor in heat absorbing relation to a container of the substance being treated, discharging another part of the mercury



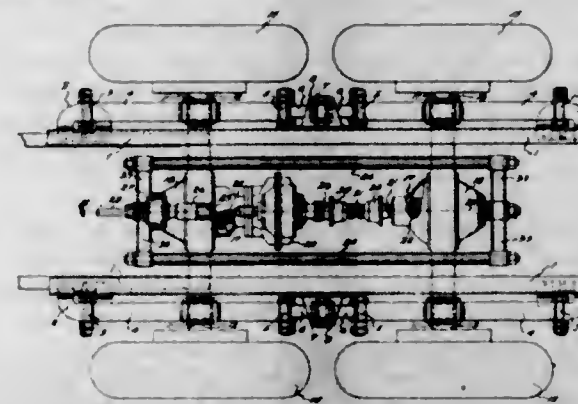
vapor directly into the substance being treated, to effect the distillation thereof along with said directly discharged mercury.

1,734,330. TRAVERSING HOIST. GUSTAV A. GRAB, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg. Filed Mar. 1, 1927. Serial No. 171,748. 10 Claims. (Cl. 212—141)



1. In a traversing hoist, the combination of a wheeled straddle frame having vertical guides on the sides thereof; a cross head in each of said guides; a laterally flexible and longitudinally rigid load supporting frame at each side of said frame hingedly mounted at its forward and rearward ends on said cross heads; and a load supporting angle attached to the lower end of said load supporting frame by means of pivotal connections adapted to permit independent lateral movement of the forward and rearward ends of said frame.

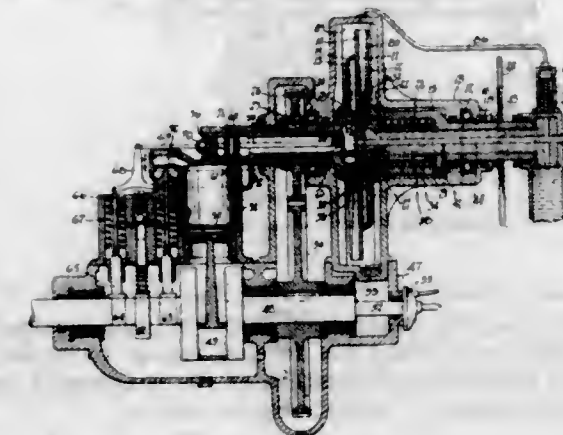
1,734,331. FOUR-WHEEL TRUCK. JOHN C. HAGGART, Jr., Alma, Mich., assignor to Republic Motor Truck Co., Inc., Alma, Mich., a Corporation of Michigan. Filed May 6, 1927. Serial No. 189,219. 9 Claims. (Cl. 180—22.)



1. In a four-wheel truck, axle housings, wheel equipped axle shafts in said housings, a reduction gear mechanism

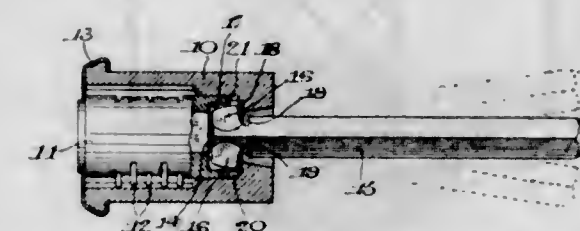
between said axle housings operatively connected to said axle shafts, a drive extension shaft supported by said reduction gear mechanism, and one of said axle housings and adapted for operating said reduction gear mechanism, and universal joints between said reduction gear mechanism and one of said axle housings establishing a driving relation between the axle shafts of said housing and said reduction gear mechanism, whereby one of said axle housings may assume an angular relation relative to the other axle housing.

1,734,332. TURBINE. OSCAR E. HAUSOTTE, Portland, Oreg. Filed Aug. 8, 1927. Serial No. 211,604. 4 Claims. (Cl. 60—42.)



1. A gas combustion turbine having a rotor provided with spiral side veins; a hollow rotatable spindle on which said rotor is mounted; a combustion chamber formed within said spindle; a water-cooled head across the center portion of one end of said combustion chamber having its outlet sides spaced from the side walls of said combustion chamber; a slidable sleeve valve around said head normally closing the head end of said combustion chamber; and a spring for urging said sleeve valve to such a closed position, said spindle, sleeve and head having ports formed therein communicating with the spiral passageways in said rotor.

1,734,333. LOCK. EDWARD N. JACOBI, Milwaukee, Wis., assignor to Briggs and Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Nov. 25, 1925. Serial No. 71,350. 5 Claims. (Cl. 70—46.)

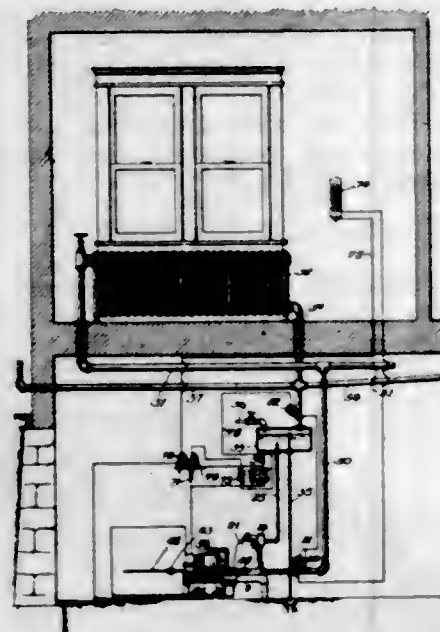


1. A lock comprising a lock case having a shouldered bore, a bearing washer therein seated on the shoulder, a lock cylinder mounted in the lock case, a square driving stem passing through the bearing washer and having oppositely extending wings bearing on the bearing washer and fitting in a recess in the end of the lock cylinder to form a driving connection between the stem and the lock cylinder that will permit of angular displacement of the lock stem.

1,734,334. STEAM-HEATING SYSTEM. EINER W. LARSEN, Chicago, Ill. Filed Apr. 12, 1926. Serial No. 101,243. 12 Claims. (Cl. 237—2.)

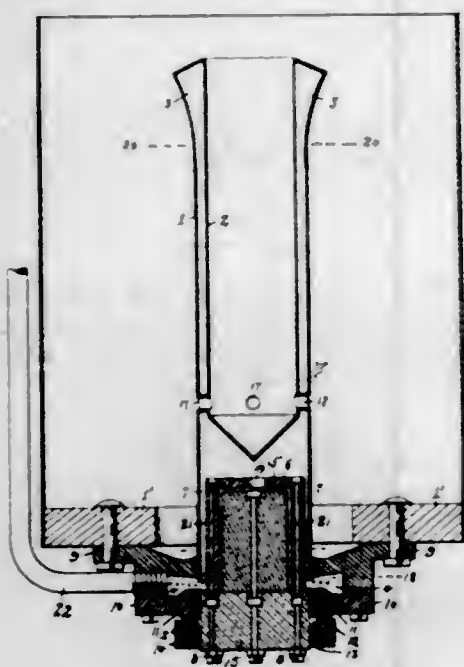
1. In a heating system, the combination of a substantially closed combustion chamber, means for forcing air and fuel under pressure into the combustion chamber, a steam generating chamber, means for delivering the prod-

ucts of combustion from the combustion chamber to the generating chamber, a radiator, means for delivering steam and said products from the generating chamber to



the radiator, means for returning the condensate from the radiator to the generating chamber, and means for automatically controlling the forcing means to render it inoperative when the temperature of the condensate from the radiator reaches a predetermined degree.

1,734,335. ELECTRIC LIQUID HEATER. ALPHONSE MARTIN, Ogdensburg, and FLORENCE H. FINNEGAN, Wanakena, N. Y. Filed Sept. 15, 1927. Serial No. 219,732. 10 Claims. (Cl. 219-40.)

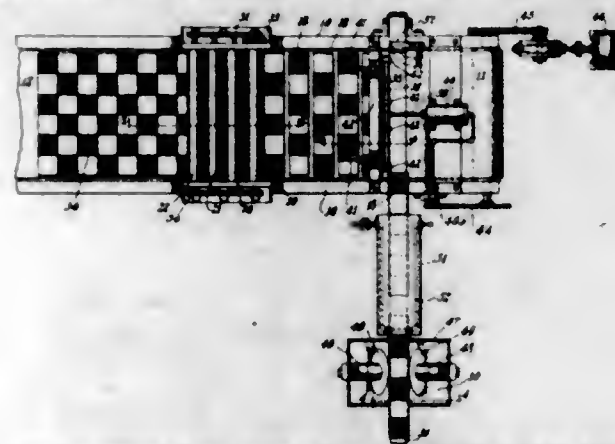


1. In combination a chamber mounted to be immersed in a liquid to be heated, an expansible fluid within the chamber, a pair of electrodes and means for supplying the liquid between the electrodes against the pressure of the fluid within the chamber, and means for adjusting the capacity of the chamber.

1,734,336. METHOD AND APPARATUS FOR ASSEMBLING UNITS OF SHEET MATERIAL. TOD J. MELL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1927. Serial No. 243,365. 20 Claims. (Cl. 154-1.)

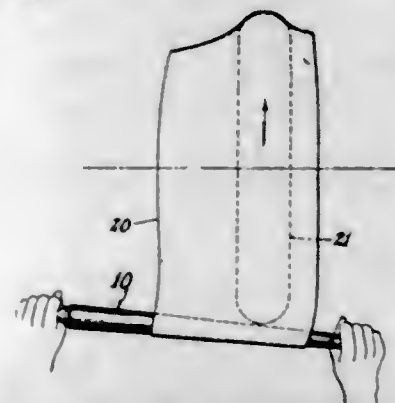
5. The method of assembling strips of rubber to form a rubber sheet which comprises feeding a plurality of the strips longitudinally in procession to a determinate position, coating a side edge of each strip with an adhesive

as it is so fed, and from the said position feeding the strips laterally in succession into a sheet structure.



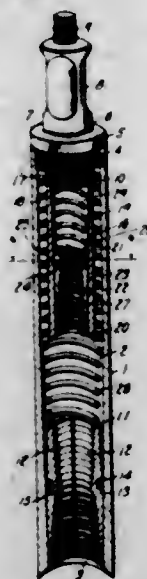
20. Strip-assembling apparatus comprising two aligned and spaced apart conveyors, at least one pair of work-embracing rolls mounted between the said conveyors and adapted to feed strips from one of the same to the other, and means for driving the delivering conveyor, the said rolls and the receiving conveyor at determinate relative speeds decreasing from one to the next throughout the series of elements.

1,734,337. TIRE-BUILDING TOOL. CHRISTIAN J. MERZ, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1928. Serial No. 271,182. 2 Claims. (Cl. 154-9.)



2. A tire-building tool comprising a tapered roller and handles at the respective ends thereof and journaled with relation thereto whereby the roller may be held rotatably in engagement as a guide-roller with a band of tire-building material.

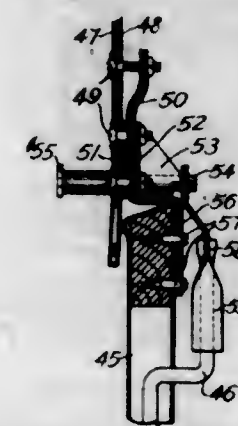
1,734,338. SLIP SOCKET. ALBERT H. NEILSON, Tulsa, Okla. Filed Mar. 19, 1928. Serial No. 262,934. 6 Claims. (Cl. 294-102.)



1. A socket comprising a barrel, a set of slips mounted in the barrel, a second barrel suspendedly fixed within

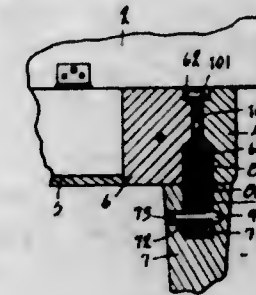
the first-named barrel, a set of slips in the second-named barrel, and means for retaining the sets of slips in functional position within their respective barrels.

1,734,339. AUTOMOBILE WINTER INCLOSURE AND HANDLE. JOSEPH W. OSTEN, Chicago, Ill., assignor to Auto Fabrics Products, Inc., a Corporation of Illinois. Filed Apr. 4, 1927. Serial No. 180,639. 2 Claims. (Cl. 296-139.)



1. In combination with an automobile door and a handle therefor, a member removably secured to the top of the door, a window frame having a supporting member carried by the first named member, a bracket secured to the first named member and to the supporting member, and an arm pivoted on the bracket and extending therethrough to actuate the door handle.

1,734,340. PIANO BENCH. SAMUEL E. OVERTON, South Haven, Mich. Filed Nov. 11, 1927. Serial No. 232,592. 3 Claims. (Cl. 155-196.)

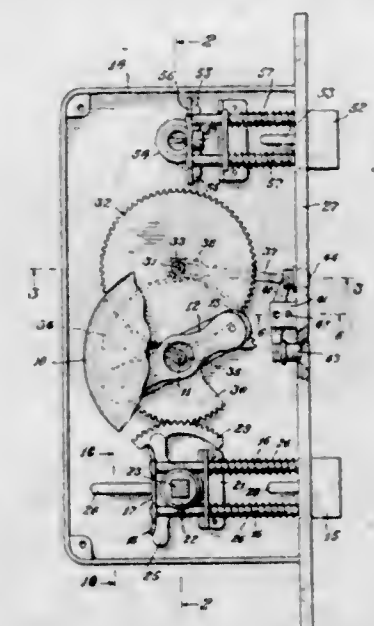


1. A bench structure having a body with corner blocks containing mortises, detachable legs each comprising a socket tenon member with a round portion disposed in the top of the legs and with a squared tenon projection above and engaging said mortises, and having a central threaded bore secured in the upper end of each leg by a concealed cross pin, and attaching socket bolts through the corner blocks of the bench frame into said tenon sockets, as specified.

1,734,341. ALARM MECHANISM. ANDRU G. PAPPADAKIS, Detroit, Mich. Filed Feb. 6, 1929. Serial No. 837,944. 11 Claims. (Cl. 116-9.)

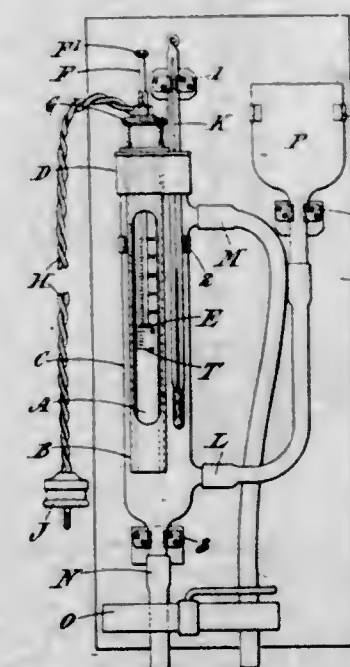
1. In a device of the character described, having a case; a latch; means for actuating the latch; an alarm mechanism having an operative connection therewith and set in motion by the latch actuating means, comprising a bell, a hammer to strike the bell, and a gear upon that side of the bell opposite the latch and having a geared

connection with the latch actuating means; and a manually controlled slide for shifting the position of the gear relative to that of the hammer and still maintain its



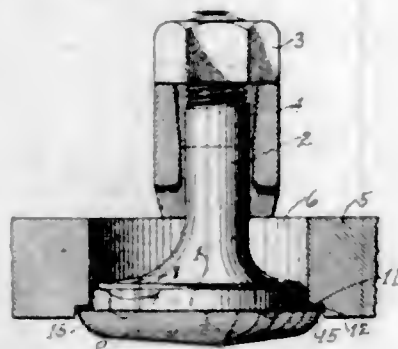
operative connection therewith, whereby the hammer actuating means is disconnected from the latch actuating means and the alarm mechanism rendered inoperative.

1,734,342. APPARATUS FOR THE DETECTION AND ESTIMATION OF IMPURITIES AND DISSOLVED MATTER IN WATER AND OTHER FLUIDS. CHARLES EDWIN PERRY, London, England, assignor to Evershed & Vignoles, Limited, London, England. Filed Apr. 8, 1927. Serial No. 181,928, and in Great Britain June 18, 1926. 4 Claims. (Cl. 175-183.)



1. In apparatus for the detection and estimation of impurities and dissolved matter in water and other fluid, in combination a fluid container, a tube of transparent electrically insulating material arranged as a dividing wall in a part of the fluid container so as to separate the liquid into two zones which communicate with one another, a sheath electrode on the outside of said tube, a disc electrode movably mounted within said tube, a temperature scale on the transparent tube, a thermometer and means for moving said disc electrode relative to said scale so as to vary the length of the electrical path through the liquid to produce uniform conductance at a selected temperature.

1,734,343. HANDHOLE FITTING. JOHN PRENTICE, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Nov. 17, 1926. Serial No. 148,799. 3 Claims. (Cl. 220-25.)



1. In combination, a wall having an oval-shaped hole therein, a fitting having an oval-shaped portion adapted to completely close said hole by engagement with one side of said wall, and a stem on said fitting and extending through said hole when the hole is covered, said stem being disposed eccentrically with respect to said hole and substantially on the longer axis of said oval-shaped portion.

1,734,344. SELF-ARIGHTING SIGNAL POST. JOHN RANK and HENRY W. RANK, Minneapolis, Minn. Filed Sept. 15, 1927. Serial No. 219,634. 4 Claims. (Cl. 40-145.)

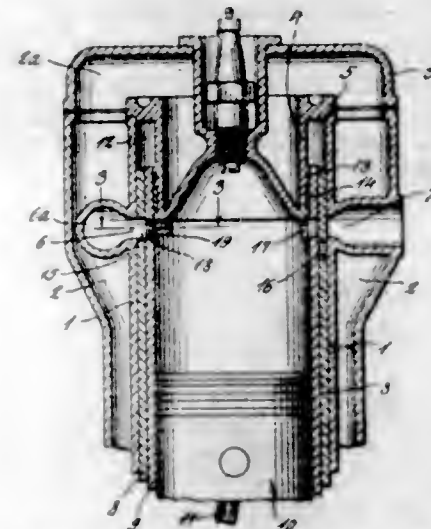


1. A signal post comprising an anchoring base, a resilient integral tubular body anchored to said base at its lower end, a tubular metallic lining telescoped into the upper portion of said resilient tubular body but terminating above said base so as to permit the post to be turned into an approximately horizontal position, and a lamp-equipped cage telescoped within and detachably secured to said resilient tubular body and its metallic lining, said resilient tubular body, its lining and said cage having light-emitting passages for signal purposes.

1,734,345. SLEEVE VALVE FOR GASOLINE MOTORS. HENRY A. REGEN, Breckenridge, Colo., assignor of one-half to Charles W. Burnheimer, Breckenridge, Colo. Filed Nov. 5, 1927. Serial No. 231,216. 3 Claims. (Cl. 123-75.)

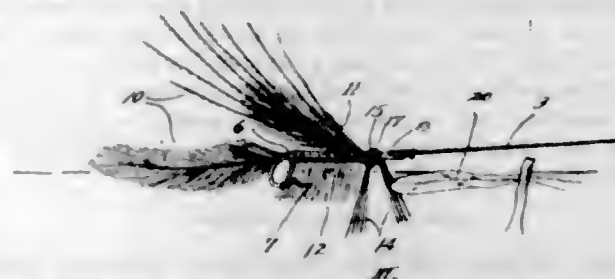
1. In an internal combustion engine of the sleeve valve type which has a cylinder provided with an intake port and two concentric sleeves telescopically connected with

the cylinder and with each other, each sleeve having a port adapted to be moved into register with the intake port, the port in one of said sleeves being formed by a large



number of small openings placed close together, the wall of the sleeve being of reduced thickness where it is perforated.

1,734,346. ANIMATOR FOR ARTIFICIAL FLIES FOR LURING GAME FISH. GEORGE F. REINHARDT, Kansas City, Kans. Filed Apr. 7, 1927. Serial No. 181,701. 1 Claim. (Cl. 43-48.)



An animator construction for artificial flies comprising, in combination with a hook carrying an artificial fly, a plurality of comparatively stiff bristles having means for securing the same to the line-attaching end of the shank of the hook with said bristles projecting substantially at right angles to the direction of the point of the hook, said securing means comprising a coil of flexible wire material permitting bending of the same to secure said bristles in various angular positions with reference to the hook.

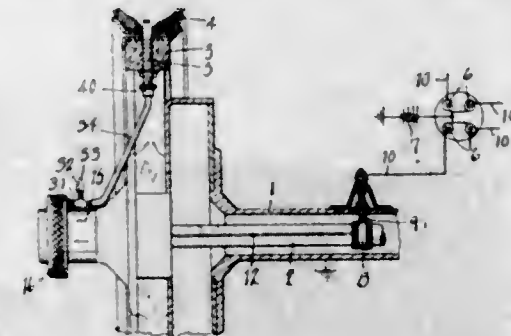
1,734,347. REVOLVING SCRAPER. BRUCE E. ROSE, Stockton, Calif. Filed Dec. 17, 1926. Serial No. 155,409. 14 Claims. (Cl. 37-140.)



3. A scraper bowl having pivot pintles, a draft beam having downwardly bent slotted extensions at its rear end, the pivot pintles normally resting in the lower ends of the slotted extensions, and means connected with the draft beam to draw the pintles from the lower to the upper ends of the slotted extensions to tilt the bowl.

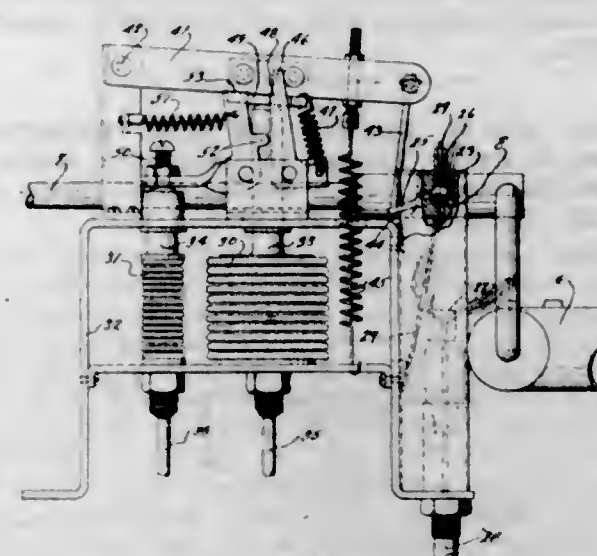
11. A scraper including a bowl, a draft element pivoted on the bowl for limited longitudinal movement relative thereto, drawbars pivoted on the bowl, means to shift the drawbars and bowl forwardly or rearwardly relative to the draft element, and means causing the bowl to then assume positions with its scraping edge tilted down or up respectively.

1,734,348. TIRE ALARM. VERNEN E. ROUGH, South Bend, Ind., assignor of one-half to Glen L. Dice, South Bend, Ind. Filed July 12, 1926. Serial No. 121,946. 3 Claims. (Cl. 177-311.)



3. A device of the class described comprising a hub cap, a switch contact mounted within and electrically insulated from said hub cap, a coating pneumatically controlled switch member mounted within said hub cap and electrically connected thereto, and a pneumatic tire connection for said pneumatically actuated switch member.

1,734,349. CONTROL MECHANISM FOR REFRIGERATING SYSTEMS. ALBERT C. SCHICKLER, Cleveland, Ohio, assignor to Edmund E. Allyn, Cleveland, Ohio. Filed Sept. 15, 1927. Serial No. 219,690. 2 Claims. (Cl. 62-5.)

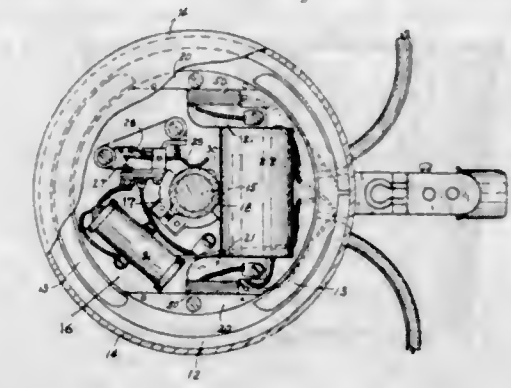


1. Refrigerating apparatus, comprising connected still-absorber and evaporator members, a gas burner for heating the still, a valve therefor, a pilot burner, a flexing bimetal device located in the zone of the pilot flame, whereby it is flexed in one direction by the heat of the flame and is flexed oppositely when permitted to cool, an operating connection between said device and valve whereby the valve is operated back and forth by the device and is opened by its movement when heated, operating means also connected to said valve to move it toward closed position, and normal control means for said operating means actuated by changing conditions in said members, whereby valve opening movement is produced by the heat of the pilot flame and is normally controlled by said members and said valve invariably closes when the pilot flame is extinguished.

1,734,350. MAGNETO. AUGUST SCHMIDT, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich., a Corporation of Michigan. Filed Nov. 8, 1926. Serial No. 146,960. 2 Claims. (Cl. 171-209.)

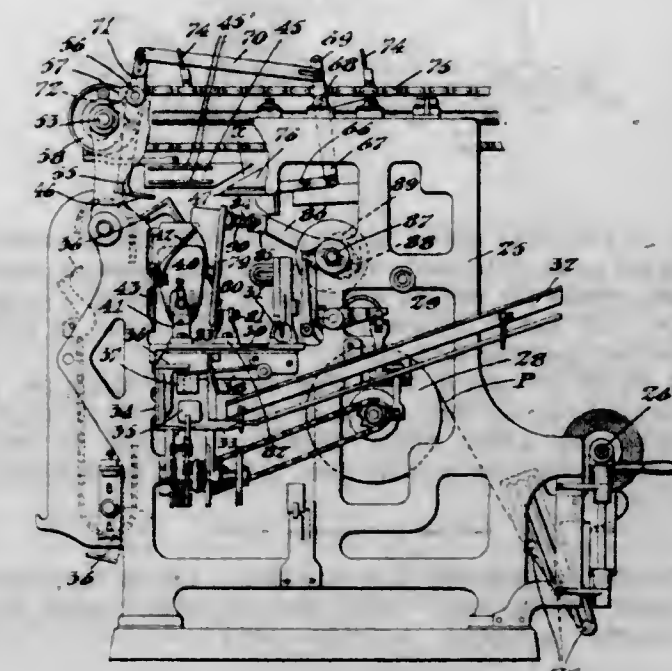
2. In an electrical generator, the combination with an armature having terminal heads spaced from each other,

of an intermediate portion connecting the heads and including at each end adjacent a terminal head an offset portion, an ignition coil upon the intermediate portion between the offset portions thereof, and a supplemental coil



upon each of the offset portions, said supplemental coils having the axes of their respective fields disposed substantially parallel to the axis of the ignition coil field but offset therefrom.

1,734,351. WRAPPING MACHINE. HENRI A. SÉVIGNÉ, Wintthrop, Mass., and CHARLES E. JACOB, Nashua, N. H., assignors to National Bread Wrapping Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 21, 1927. Serial No. 185,496. 15 Claims. (Cl. 93-2.)

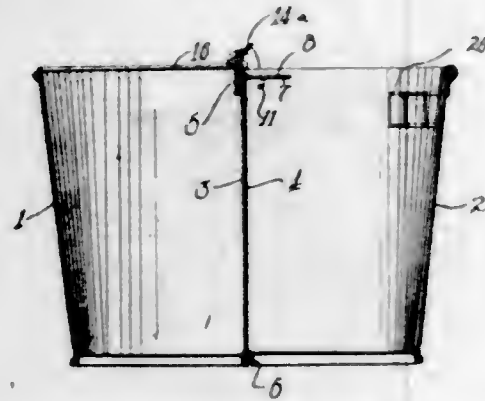


1. A wrapping machine comprising means for assembling a loaf and a wrapper with the top of the loaf in contact with the middle portion of the wrapper, means for then simultaneously folding the wrapper against two opposite sides of the loaf with edge portions of the wrapper projecting substantially equally beyond the plane of the bottom of the loaf, means for then simultaneously folding intermediate side edge portions of the wrapper down against the ends of the loaf to form outstanding corner folds, means for then folding said corner folds in overlapping position against the ends of the loaf, means for then folding transverse edge portions of the wrapper against the bottom of the loaf, and means for then folding portions of the overlapped corner folds up against the ends of the loaf.

1,734,352. BUCKET. LENA SMITH and ROSIE RICHMOND, Chicago, Ill. Filed Mar. 11, 1926. Serial No. 93,841. 8 Claims. (Cl. 220-2.)

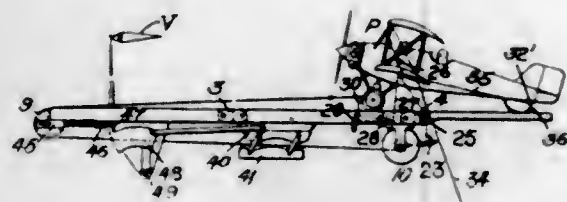
1. A bucket comprising two detachable sections, each having a flat wall portion, said portions being in juxtaposition.

posed relation with each other, said portions each having an aperture therein, the aperture of one communicating with the aperture of the other, and a manually movable



locking member mounted on one of said sections and projectable into said apertures for locking said sections together.

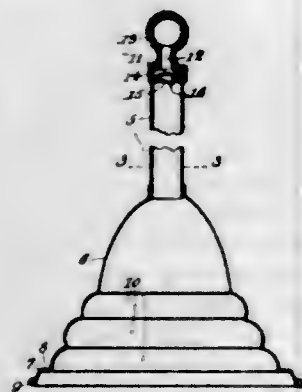
1,734,353. AUTOMATIC LAUNCHING DEVICE FOR AIRPLANES. ELMER A. SPERRY, Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del., a Corporation of Delaware. Filed Nov. 25, 1927. Serial No. 235,519. 12 Claims. (Cl. 244-2.)



2. A launching device for airplanes comprising a cable adapted to be detachably fastened to said plane, a cable drum, means for rapidly accelerating said drum, a cable brake, and means responsive to slackened tension in said cable for applying said brake.

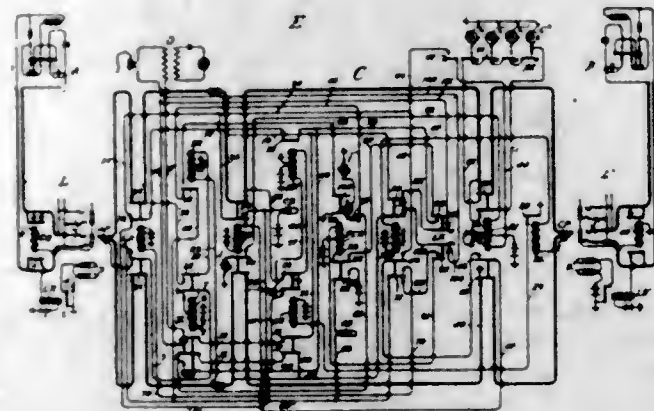
8. In an automatic launching device for airplanes, a launching runway locking means for the plane including disappearing wheel chocks, movably mounted on said runway and means operable from the cockpit for releasing said chocks.

1,734,354. LAUNDRY AIR DASHER. LEO M. STALKER, Cedar Rapids, Iowa. Filed Mar. 24, 1928. Serial No. 264,370. 2 Claims. (Cl. 259-143.)



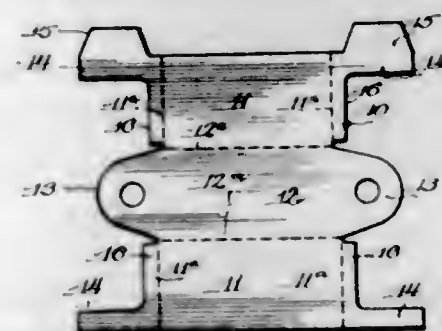
1. A laundry dasher, comprising a tubular handle, an air-valve to close its upper end, and a bell at the lower end corrugated to form a series of annular baffles, and having an outer substantially horizontal, annular flange with a down-turned substantially cylindrical rim and perforated through said horizontal annular flange for upflowing jets of water.

1,734,355. TELEPHONE SYSTEM. BERT A. WALLACE, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 20, 1926. Serial No. 155,815. 12 Claims. (Cl. 179-41.)



1. A telephone system comprising local calling lines and called local and toll lines, an operator's link circuit having a pair of connection terminals for interconnecting said calling local and called local or toll lines, means in said link circuit controlled by said calling local line on a local to local connection for operatively disassociating itself from a connection terminal of said link circuit, said means being rendered ineffective when said local line is connected to a toll line.

1,734,356. METAL BLANK FOR SIDE BEARINGS. ALBERT G. WELCH, Chicago, Ill., assignor to Sophie L. Woods, Chicago, Ill. Filed Aug. 16, 1926. Serial No. 129,370. 3 Claims. (Cl. 29-148.)

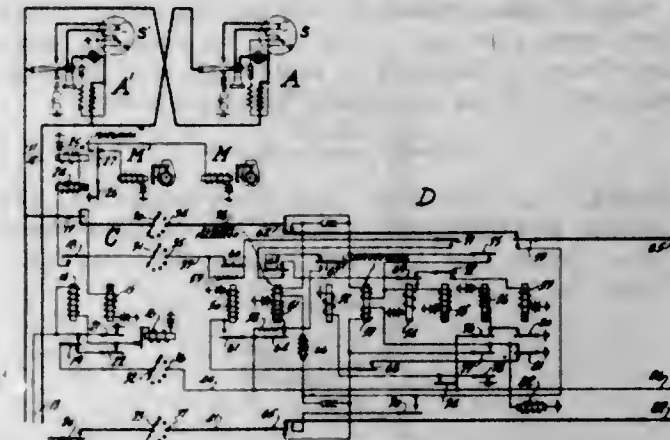


1. A sheet metal blank for a side bearing casing, said blank consisting of a base part and of wing parts at the sides of said base part and said wing parts having end extensions which are severed from said base part, said wing parts being adapted to be bent up to form the side walls of the casing and the end extensions of said wing parts being adapted to be bent at right angles to said wing parts into overlapping relation to provide end walls for said casing.

1,734,357. MEASURED-SERVICE TELEPHONE SYSTEM. JOHN WICKA, Oak Park, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 30, 1926. Serial No. 132,383. 11 Claims. (Cl. 179-9.)

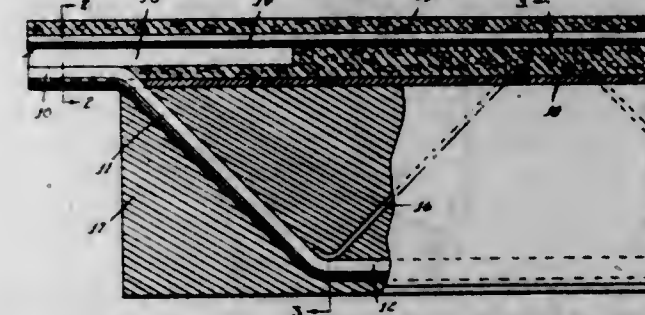
1. In a telephone system, a multi-station line, other lines, automatic switches controlled over said lines for completing calls between stations on said line and said other lines, a meter associated with each station on said multi-station line, means for automatically operating one

of said meters when the associated station has successfully completed a call to one of said other lines, and means for



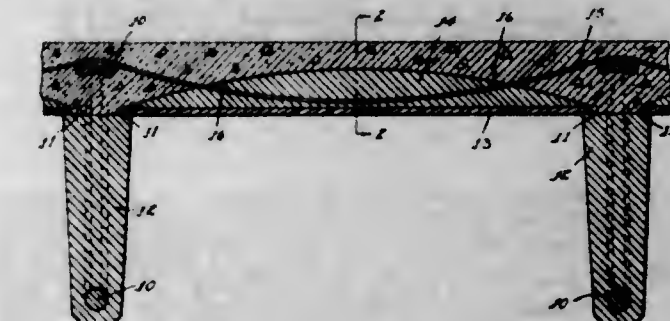
preventing the operation of said meter when its associated station successfully completes a call to another station on the same line.

1,734,358. STRUCTURAL FLOOR. ROY V. YEAGER, Des Moines, Iowa. Filed Feb. 7, 1928. Serial No. 252,524. 1 Claim. (Cl. 72-66.)



In a structural floor, the combination of a number of structural joists, each comprising a top chord made of two parallel chord members spaced apart laterally, a single lower chord member connected at its ends to the upper chord member with its central portion spaced below the upper chord member, braces secured to the lower chord member and projected between and secured to the upper chord members, the transverse dimensions of the two upper chord members being much greater than the transverse diameter of the single lower chord member, a body of fireproof material for each beam moulded about and bonded to and completely surrounding the lower portion of each beam, and having at its upper portion supporting shoulders extended laterally, plaster boards supported upon said shoulders and extended from one beam to the other, and a concrete floor supported upon the plaster boards and completely surrounding and bonding the upper portions of the beams.

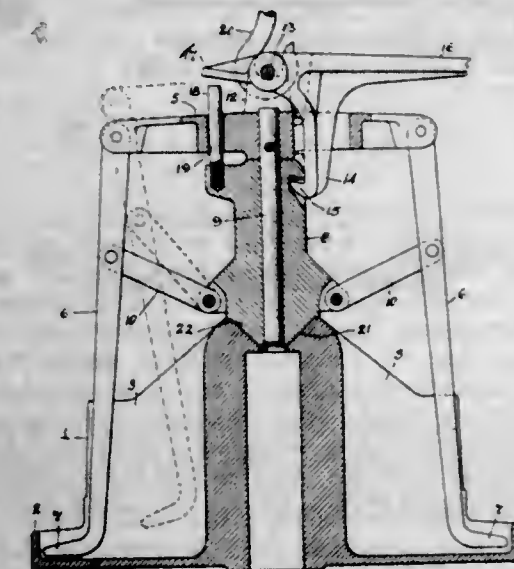
1,734,359. STRUCTURAL FLOOR. ROY V. YEAGER, Des Moines, Iowa. Filed Mar. 13, 1928. Serial No. 261,209. 1 Claim. (Cl. 72-71.)



An improved floor construction, comprising a series of joists spaced apart, plaster boards supported by the joists

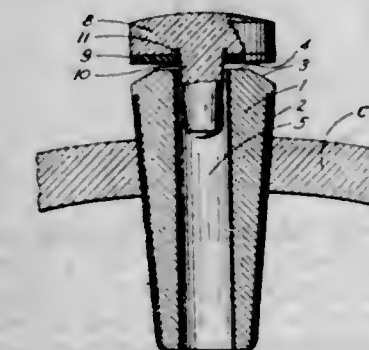
between the upper and lower ends thereof and covering the spaces between two joists, reinforcing rods resting upon the tops of the joists and sagging downwardly to position adjacent to the plaster boards at the central portion of the space between two joists, a layer of gypsum placed upon the plaster boards and tapered from a maximum thickness at the center between two joists to a minimum thickness adjacent to the joists, and surrounding said reinforcing rods, and a top layer of cement completely enclosing the upper ends of the joists and the reinforcing rods supported thereby and forming an arch shaped reinforced concrete slab between the joists, substantially as and for the purposes stated.

1,734,360. WIRE-BLOCK-STRIPPING MECHANISM. JESSE C. BITTMAN, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a Corporation of Ohio. Filed Aug. 22, 1925. Serial No. 51,827. 2 Claims. (Cl. 242-79.)



1. In a stripping device, the combination of a spider provided with external attaching means, a plurality of levers pivotally suspended from said spider at circumferentially spaced points and formed with outwardly directed fingers adapted to engage a bundle of wire on a suitable support, a rod depending from said spider, a member slidable on said rod, links connecting said member with said levers, respectively, whereby the latter may be swung in or out as desired, a hook pivotally attached to said spider and adapted to engage with said member, and an element on said member adapted to be struck by said hook, whereby said spider and member may be positively forced apart.

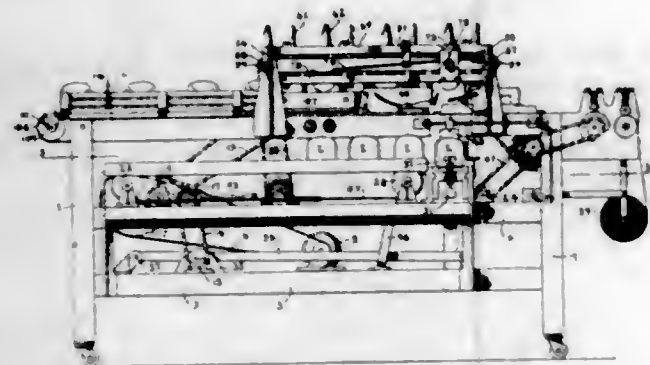
1,734,361. GAS-VENTING DEVICE. EDGAR J. BLOOM, Timon, Ohio. Filed Apr. 11, 1928. Serial No. 269,121. 1 Claim. (Cl. 217-100.)



An antifouling, gas venting device for containers for liquids comprising a bung adapted to extend into a container but to terminate above the surface of liquid in the container and having an opening therethru for the escape of gases and the removal of liquid from the container, and

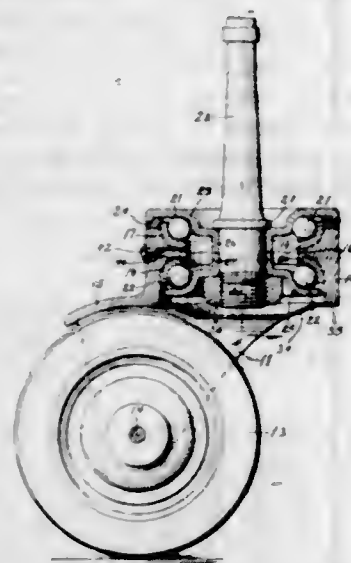
a removable, gravity actuated, gas sealing valve head seated on the upper end of the bung about the opening and having a guiding stem of substantially less length than the bung slidable in the opening whereby any liquid contacting with said bung will not reach said valve.

1,734,362. BREAD-WRAPPING MACHINE. CHARLES OWEN BROWNELL, Chicago, Ill., assignor, by direct and mesne assignments, to The Wrap-Rite Corporation, Chicago, Ill., a Corporation of Illinois. Filed Aug. 9, 1926. Serial No. 127,979. 24 Claims. (Cl. 93-2.)



1. In a bread wrapping machine having means for positioning a wrapper over a loaf and an elevator for lifting the loaf and wrapper, end folding wings movably mounted on the machine frame and arranged to engage and fold the overlapping end portions of the wrapper downwardly as the loaf and wrapper are lifted, means for conveying the loaf sidewise after it has been elevated, and means actuated in synchronism with said conveying means for moving the end folding wings away from the loaf and wrapper when it is moved sidewise and for moving them back into position to operate upon a succeeding loaf.

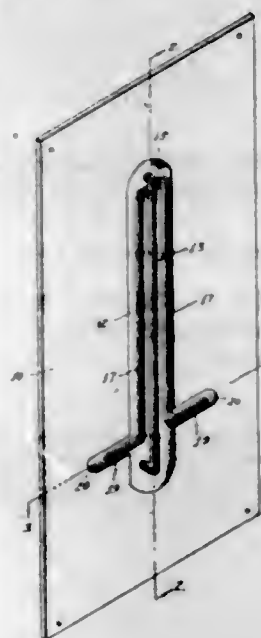
1,734,363. SWIVEL CASTER. WILLIAM MORTON CHESNUTT, Fresno, Calif., assignor to John Louclen Chesnutt, Long Beach, Calif., and Fisk Mark Ray, Oakland, Calif. Filed Sept. 19, 1927. Serial No. 220,371. 3 Claims. (Cl. 16-21.)



1. A swivel caster comprising a housing member having projections constituting part of a wheel-carrying means, a ball race within said housing, another ball race in said housing above the first mentioned ball race, a series of bearing balls engaging each of said races, conical ball races engaging the bearing balls of each of the first mentioned races, said conical ball races being formed with internal peripheral flanges together constituting a bore vertically of the housing, a securing member mounted through said flanges and binding the parts together, means associated with said securing member for attaching the

device to a load object, the uppermost ball race being extended entirely across and over the second mentioned ball race to cover the upper end of said housing member and to form a closure therefor, said housing member being formed with a rabbet at its lower end, and a closing plate removably mounted in said rabbet and forming a closure at the lower end of said housing member.

1,734,364. ANCHOR FOR USE IN VENEERING CONCRETE STRUCTURES. ELMER K. COLE, Winterset, Iowa. Filed Apr. 19, 1927. Serial No. 184,916. 1 Claim. (Cl. 72-105.)



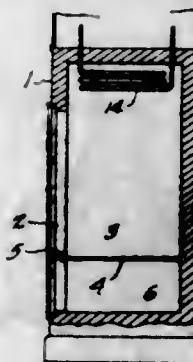
An anchor device for connecting brick veneering to concrete structures, comprising a plate designed to be secured to the inner surface of a building form, and having a longitudinally arranged depression, a concrete wall anchor member comprising a rod having a straight body portion arranged within said recess and spaced apart from the adjacent portion of the plate, and having its ends extended through the plate and projected inwardly beyond it for anchoring to the concrete wall, and a brick wall anchor member having one end looped about said rod within the recess of the plate, and having a straight body portion of a length substantially half of the length of the bricks with which the device is to be used, said brick wall anchor member being shaped to lie wholly within said recess, and being capable of longitudinal sliding movement relative to the plate, and also capable of swinging in a vertical plane to a substantially horizontal position at any point throughout its longitudinal movement.

1,734,365. MACHINE FOR TREATING BELTS. ARTHUR J. COLLINS, Detroit, Mich. Filed Mar. 14, 1927. Serial No. 175,368. 26 Claims. (Cl. 69-17.)



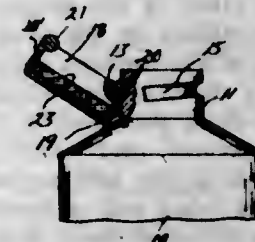
1. In a leather strap finishing machine, the combination with a frame having a table, of cutters adjustably mounted upon opposite sides of the table and engageable with the side edges of the strap for trimming the same, and means for adjusting the amount of trim of said strap including blocks pivoted upon the table and having a portion extending over the strap for holding the same substantially flat.

1,734,366. REFRIGERATOR. FREDERICK J. CORNWELL, Detroit, Mich., assignor to Copeland Products, Inc., Detroit, Mich., a Corporation of Michigan. Filed Aug. 9, 1926. Serial No. 128,278. 3 Claims. (Cl. 62-46.)



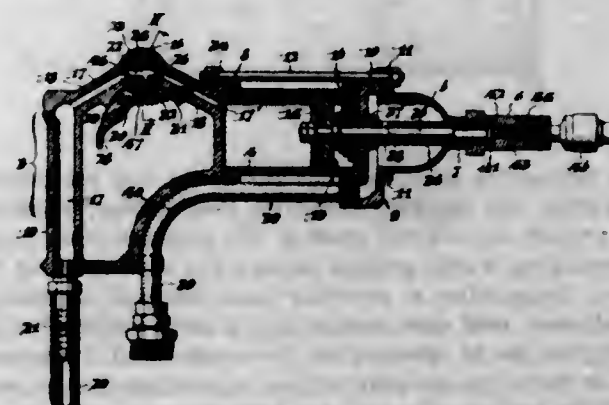
1. In a mechanically operated refrigerator having a food storage compartment therein and a closure therefor, a shelf positioned within said compartment with some of its edges forming close joints with the walls of said compartment, a secondary closure adapted to cover the opening beneath said shelf.

1,734,367. CLOSURE FOR CONTAINERS. CECIL R. CRARY, Detroit, Mich., assignor to Grace T. Crary, Detroit, Mich. Filed July 18, 1927. Serial No. 208,642. 12 Claims. (Cl. 221-60.)



1. The combination of a container having an opening therein and having oppositely inclined circumferentially extending cam grooves, a hinge member associated with one of said grooves, and a rotatable closure for said opening having inwardly extending cam members cooperating with said grooves upon rotation of the closure to subject the latter to a sealing pressure upon the container, one of said cam members co-acting with the hinge member aforesaid to exercise a hinge function for the closure in one rotatable position thereof.

1,734,368. FLUID GUN. ARTHUR B. CUMMER, New York, N. Y. Filed Oct. 25, 1927. Serial No. 228,550. 4 Claims. (Cl. 221-47.8.)



1. In a fluid gun comprising a dome-section chamber having an intercommunicating axial tube for receiving and measuring a definite charge of the fluid, a plunger operating in said tube, an axially aligned actuating cylinder connected to the aforesaid chamber, and a spring return piston in said cylinder of considerably greater area than the plunger and directly connected thereto, the combination of

a stock having an inlet duct through which fluent motive medium is conducted to the actuating cylinder, said duct including an arched portion having a medially positioned enlargement with the forward section of said duct serving as an exhaust outlet, and a trigger actuable taper plug valve seating in said enlargement to control flow and exhaust of motive-medium therethrough.

1,734,369. SULPHONIC BODY. CHARLES FISCHER, JR., Wyoming, and WARREN T. REDDISH, Cincinnati, Ohio, assignors to The Twitchell Process Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 2, 1926. Serial No. 138,800. 2 Claims. (Cl. 87-5.)

2. The process of producing an alkaline, water soluble sulphonic body by treating sludge layer mineral oil aluminum sulphonate with sodium hydroxide to a phenol phthalein end point.

1,734,370. DOOR FOR FREIGHT CARS. EDMUND FOSS, Seattle, Wash., assignor of one-third to Max Voll and one-third to Frank F. Hopkins, Seattle, Wash. Filed Jan. 22, 1927. Serial No. 162,828. 3 Claims. (Cl. 20-22.)



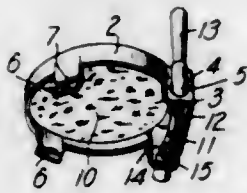
1. In a freight car provided with a door thereon having top suspension means and a longitudinal and a lateral movement relative to the car, means for locking one side of the door against longitudinal and lateral movement, a locking-hook projecting from the other side of the door, and a recessed section in a jamb of the door adapted to house the free end of the hook and permit a lateral movement of the door when said means are released.

1,734,371. SUPPORTER. WARREN H. FROST, Long Beach, Calif., assignor to Steelastic Company, Los Angeles, Calif., a Corporation of California. Filed Nov. 18, 1926. Serial No. 69,806. 6 Claims. (Cl. 241-1.)



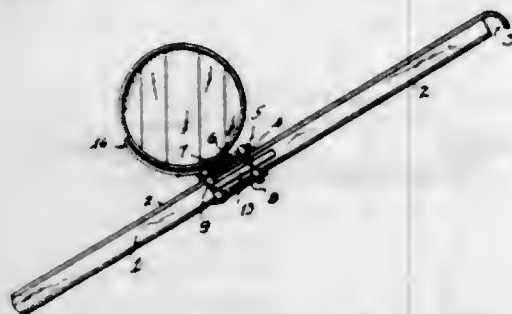
1. A supporter of the character described comprising a plurality of elastic sections including a primary casing of flexible material and a plurality of sets of coil springs in the casing secured at their opposite ends to the casing, the springs of one set being individually stronger than any of the springs of another of the sets, and the material being full when the springs are contracted.

1,734,372. BOTTLE CAP. RALPH A. GRAHAM, Kansas City, Mo., assignor, by direct and mesne assignments, to Graham Metal Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Oct. 28, 1927. Serial No. 229,377. 7 Claims. (Cl. 215—87.)



1. A bottle cap including a cover body having a depending flange provided with integral clip and bearing members, and a cam rotatable in tangential contact with the bead of a bottle neck to lock the cap on the bottle.

1,734,373. SKID. GEORGE F. GRIMM, Peoria, Ill. Filed Oct. 21, 1927. Serial No. 227,806. 12 Claims. (Cl. 193—41.)



2. A portable skid for handling loads including a body to support the load, a carriage slidable on the body to engage the load having two linked parts adapted to shift relatively to engage opposite surfaces of said body, gripping the same between them, and means constantly tending to grip said parts upon said body.

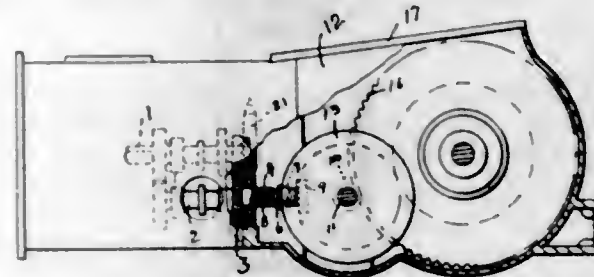
10. In combination with the body of a skid, a carriage including an upper and a lower shoe paralleling one another and lying at opposite sides of the skid body, a support for a load to be handled movable with said upper shoe, separate parts each pivotally connected to the shoes at one of their ends, said parts lying substantially parallel to one another and free to swing with respect to said shoes, and elastically controlled means operatively connected to the shoes adapted to shift the same relatively longitudinally of the skid body and toward one another.

1,734,374. PAPER ALIGNER FOR BILLING MACHINES. LOUIS FRED HAGEMANN, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed June 17, 1926. Serial No. 116,593. Renewed Jan. 12, 1929. 25 Claims. (Cl. 197—133.)



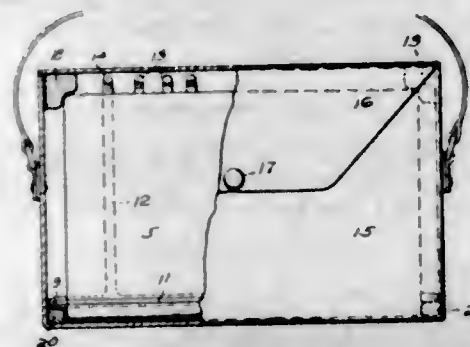
1. In a strip aligning device for billing machines or the like, in combination, a pivoted strip aligning pin, a support for supporting said pin for bodily movement, and a trip member attached to the aligning device for automatically effecting pivotal movement of said aligning pin upon bodily movement thereof.

1,734,375. GEAR AND BEARING ASSEMBLY FOR FORDSON TRACTORS. RUSH HAMILTON, Piedmont, Calif., assignor to Standard Gas Engine Co., Oakland, Calif. Filed Aug. 29, 1925. Serial No. 53,308. 1 Claim. (Cl. 74—57.)



A chain speed transmission comprising a housing, spaced apart supports within the housing, one of the supports having an opening therethrough, a bushing within the opening, a driving shaft journaled in said support and above the opening, change speed gears carried by the driving shaft, a second shaft journaled in the said support, complementary change speed gears carried by the second shaft, one of the gears being affixed thereto and meshing with one of the gears on the driving shaft, the last named gear having an internally splined sleeve affixed thereto and journaled in the bushing, an externally splined stub shaft engaging the sleeve with one of its ends and journaled in the other of the supports at the other of its ends, a pinion affixed to the stub shaft, a shaft journaled transversely of the housing and spaced from the last named support, a driving gear affixed to the transverse shaft, a second shaft journaled in the housing and intermediate the transverse shaft and the last named support, a gear affixed to the last named shaft and in mesh with the driving gear and a beveled gear affixed to the last named shaft and meshing with the pinion.

1,734,376. PROTECTIVE CASE FOR BOOKS AND BOOK-MARKERS. LOUIS S. HARVARD and SUSAN L. HARVARD, Live Oak, Fla. Filed July 18, 1928. Serial No. 293,575. 2 Claims. (Cl. 224—47.)



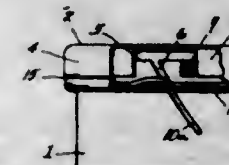
1. A protective carrying case for books and book-markers, wherein the markers comprise longitudinal members which project beyond the ends of the volumes, and transverse members which project beyond the free sides of the volumes, comprising a carrying case adapted to receive said volumes, said case comprising a body portion and a top adapted to fit down over the same, and transverse blocks at the opposite ends of the top and at the opposite ends of the bottom, the volumes fitting between the blocks with the projecting ends of the longitudinal members of the marker extending thereover, and the blocks of the top fitting down over the upper edges of the volumes and holding said volumes against vertical movement, the uppermost blocks being of such thickness that the projecting ends of the transverse members of the carriers are held out of contact with the under side of the top of the case.

1,734,377. SOUND-REPRODUCING DEVICE. JESSE B. HAWLEY, Wilmette, Ill., assignor, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill., a Corporation of New Jersey. Filed May 8, 1926. Serial No. 107,576. 7 Claims. (Cl. 179—116.)



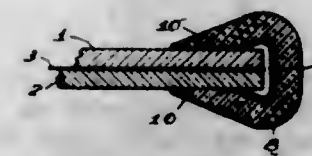
7. A telephone instrument having independently mounted diaphragms of unequal size, an electromagnetic mechanism having vibratory means supported independently of said diaphragms, vibratable elements having different natural periods of vibration, and operative connections between said elements and said diaphragms and means.

1,734,378. CAN. EDWARD HILDEBRANDT, Tacoma, Wash. Filed June 14, 1926. Serial No. 115,956. 1 Claim. (Cl. 220—49.)



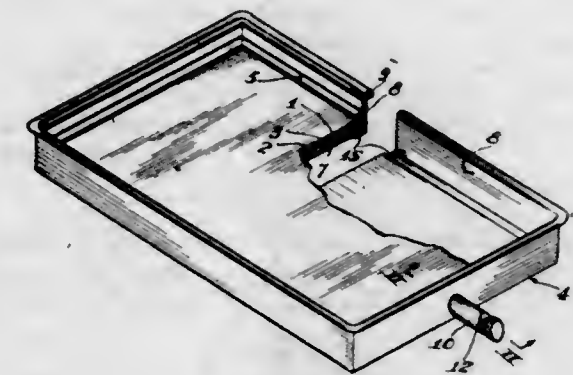
In a can having its body provided with an outwardly and downwardly turned end flange and an end fitted to the body having a flange turned down over the body flange and then turned upwardly beneath the same with a slit therein from the edge to the turn, and a wire enclosed within the seam about the lower edge of the body flange and having one end drawn through the slit and from the seam to the outside of the body for connection with a key, or the like.

1,734,379. APPARATUS FOR MAKING COMPOSITE GLASS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 20, 1928. Serial No. 255,587. 6 Claims. (Cl. 49—14.)



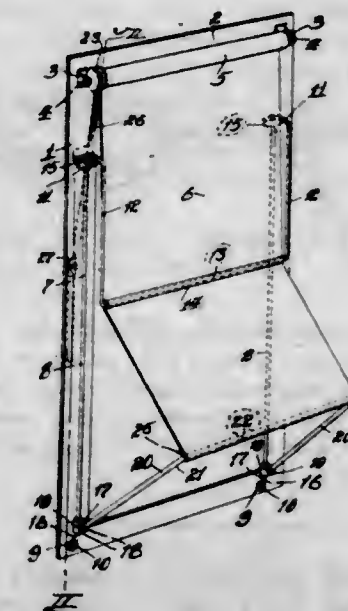
1. In combination in apparatus for use in securing together a set of sheets of similar size arranged in a pile with their edges flush to form a plate of composite glass, strips of sheet metal U-shape in cross section extending around the edges of the sheets and applying yielding pressure to clamp them together, and a strip of flexible sealing material of general U-shape in cross section fitting over the sheet metal strips with its edges free and in engagement with the outer faces of the outer sheets for a substantial distance inward past the inner edges of said sheet metal strips.

1,734,380. APPARATUS FOR MAKING COMPOSITE GLASS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 20, 1928. Serial No. 255,588. 5 Claims. (Cl. 49—14.)



1. In combination in apparatus for securing together a set of sheets of similar size arranged in a pile with their edges flush to form a plate of composite glass, a tray adapted to receive the sheets and having side walls extending above the level of the top sheet of the series, an angle member of rubber fitting in the tray with one flange engaging the upper surface of the top sheet of the series and the other flange engaging the side walls of the tray, and a connection for exhausting the air from the tray beneath said angle member.

1,734,381. WINDOW AWNING. JOHN HUBER, St. Louis, and MEYER ROSENREITER, University City, Mo. Filed Aug. 23, 1926. Serial No. 130,854. 7 Claims. (Cl. 156—44.)

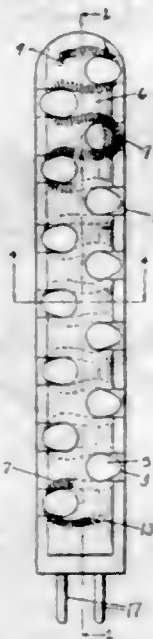


4. A frame for an awning comprising a pair of vertically disposed legs each leg at its upper end being bent outwardly and downwardly, the downwardly extending portion of each leg being parallel to the vertically extending portion for a distance of its length, a horizontally extending portion uniting said downwardly extending portions, and an idle roller mounted on the horizontal portion.

1,734,382. RADIATING ELEMENT FOR ELECTRIC HEATERS. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed May 28, 1927. Serial No. 195,019. 5 Claims. (Cl. 219—37.)

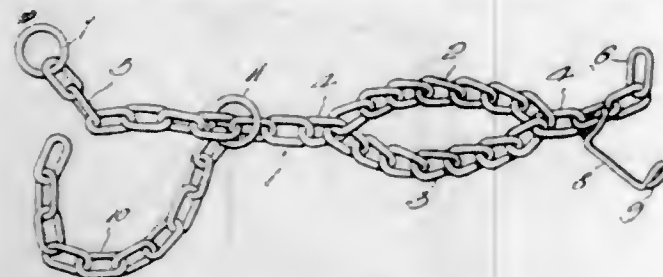
5. A radiating element comprising an elongated body of insulating material having a plurality of lugs disposed

in alternating relation on its face and having a rearwardly facing longitudinal channel-like recess therein, binding posts secured to the bottom of said body to project



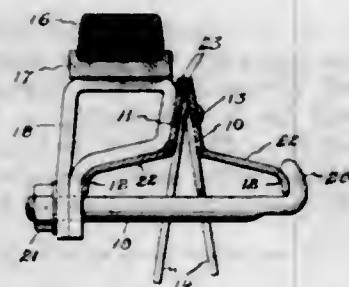
into said recess and from the lower end thereof to constitute contact plugs, and a resistance element looped about said logs and having its ends connected to said posts within said recess.

1,734,383. CHAIN STRUCTURE. HELMER C. KITTELSON, deceased, Fargo, N. Dak., by Joseph O. Estrem, administrator, Minneapolis, Minn., assignor to Standard Chain Company, Inc., Minneapolis, Minn., a Corporation of Minnesota. Filed July 6, 1925, Serial No. 41,896. Renewed May 24, 1928. 10 Claims. (Cl. 152-14.)



10. A transverse traction element for a vehicle traction attachment including a pair of chain sections of substantially equal length arranged side by side, and means at the ends of said pair to secure said ends together, one of said means holding the ends of said sections in lapped contact with each other.

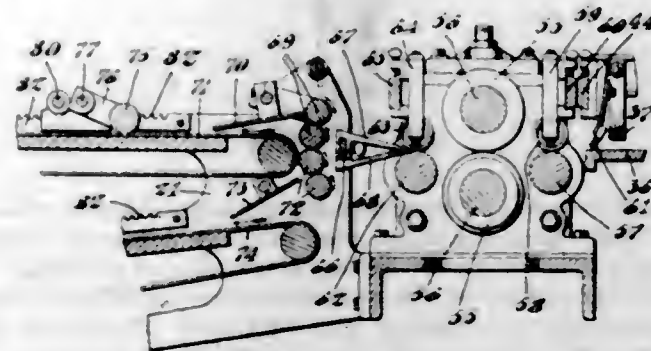
1,734,384. TIRE SUPPORT. HERBERT L. KNEEN, Whitneyville, Conn. Filed Sept. 1, 1927. Serial No. 210,866. 5 Claims. (Cl. 301-39.)



1. In combination with a wheel having a rim of substantially Y-shape in cross-section, a plurality of brackets each formed of a piece of metal doubled upon itself and having the free ends thereof abutting and provided with registering apertures, the inner sides of each bracket being shaped to conformably seat against one side of said

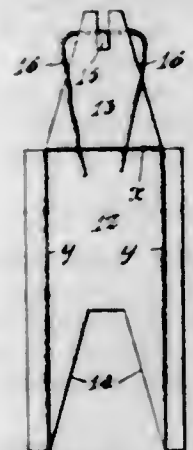
Y-shaped rim and having the apertures of its ends projecting beyond the inner edge of the rim, a bolt for each bracket extending through said registering apertures and across and adjacent to the inner edges of the rim and having a head on one end engaged with the opposite side of the rim, and a nut of its opposite end engaged with said free ends of the bracket for holding the latter against said first named side of the rim, and a tire carried by the brackets.

1,734,385. AUTOMATIC CARD-CUTTING MACHINE. LEON E. LA BOMBARD and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1926. Serial No. 96,050. 5 Claims. (Cl. 164-62.)



1. A machine for converting sheet material into sections, said machine having a flat table provided with an adjustable stop and having means for automatically separating the sheets from a supply and sliding them singly on said table against said stop, and laterally adjustable means for cutting each sheet into a plurality of sections while travelling in another direction.

1,734,386. GARMENT PACKAGE. LEON E. LA BOMBARD and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed May 3, 1926. Serial No. 106,586. 3 Claims. (Cl. 223-18.6.)

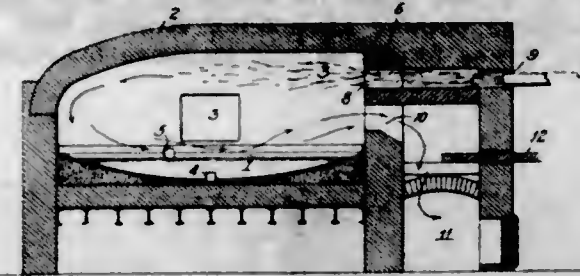


1. The combination with a folded shirt, of means for holding it in smooth condition with its bosom portion exposed, said means comprising a main stiffener section having a recess at one end and having an integral flap projecting from its opposite end, the said recess and flap being of the same contour and size, said flap being folded against the back of the shirt and secured in that position.

1,734,387. RING-FLOW REVERBERATORY FURNACE. HENRY G. LYKKE, Minneapolis, Minn. Filed Aug. 28, 1925. Serial No. 53,035. 5 Claims. (Cl. 263-45.)

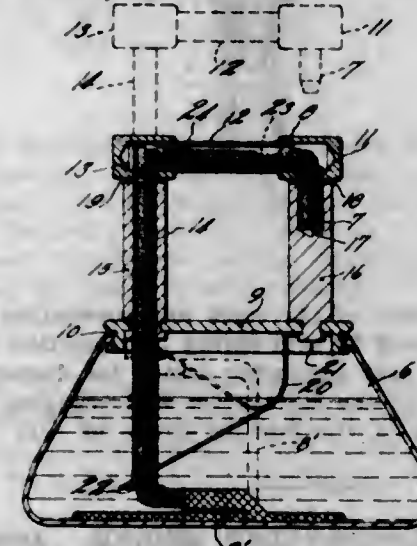
1. A furnace comprising a main heating chamber, and a refractory fuel chamber having a relatively small fuel inlet and a relatively wide and elongated fuel discharge

outlet, said discharge outlet extending horizontally for substantially the full width of the main chamber to dis-



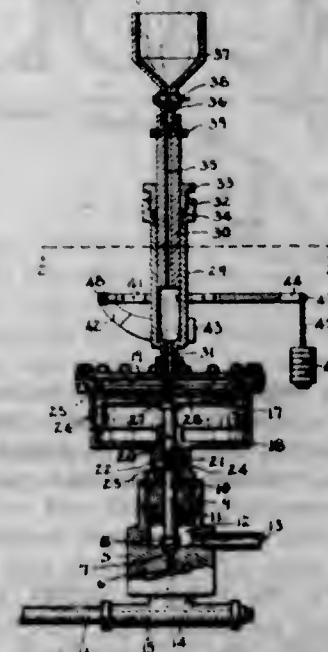
charge the fuel into the main chamber in a relatively thin stratum of flame, the fuel chamber being located to be heated by a part of the flame to preheat the fuel therein.

1,734,388. FILLING DEVICE FOR LIGHTERS. CHARLES T. MARSH, Springfield, Mass. Filed Sept. 27, 1928. Serial No. 308,783. 10 Claims. (Cl. 221-67.)



1. In a filling device for lighters, a reservoir for the filling liquid, an upstanding nozzle connected with the reservoir for movement toward and away from the latter while maintaining communication therewith, and a wick extending through the nozzle and dipping into the liquid in the reservoir.

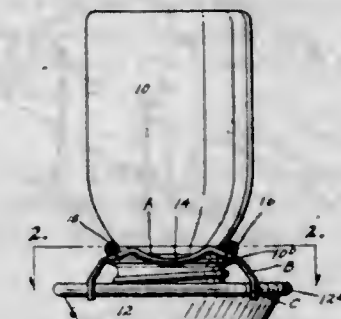
1,734,389. PRESSURE REGULATOR FOR HOMOGENIZING DEVICES. JOHN M. McCLATCHIE, New York, N. Y., assignor to The Borden Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 21, 1928. Serial No. 263,338. 7 Claims. (Cl. 99-2.)



1. In a homogenizing device of the character described having a fixed valve member and a movable valve member, 388 O. G.—11

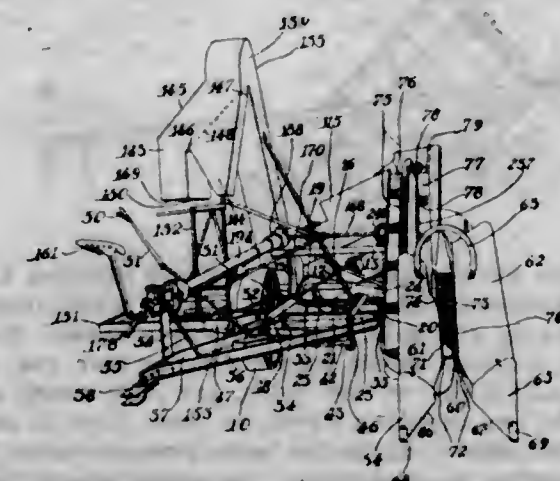
means for exerting force on the movable valve member to move it toward the fixed valve member comprising a relatively large piston bearing against the movable valve member and movable in a direction to force the movable valve member against the fixed valve member, a cylinder in which the piston is mounted, a relatively small piston, a cylinder in which the second piston is mounted communicating at one end with the first cylinder, means for admitting fluid into the second cylinder and into the first cylinder, and means for exerting force on the second piston to put the fluid in the first cylinder under pressure to cause the first piston to exert force on the movable valve member.

1,734,390. CHICK FOUNTAIN. HARRY B. MEREDITH, Des Moines, Iowa. Filed Sept. 27, 1927. Serial No. 222,310. 3 Claims. (Cl. 110-77.)



1. In a fountain of the character disclosed, a pan, an inverted jar having an open mouth and supporting means for holding said jar in position above said pan with said mouth normally spaced above the bottom and below the top of said pan, said supporting means being arranged to allow said mouth to be forced into contact with said bottom and comprising spaced elements, each having a pair of arms having ends pivotally engaging the rim of said pan and connecting member with portions pivotally engaging the jar above the mouth thereof, means for connecting such elements for holding such portions in jar gripping position, said supporting means having resiliency constraining said elements to move said jar toward normal position.

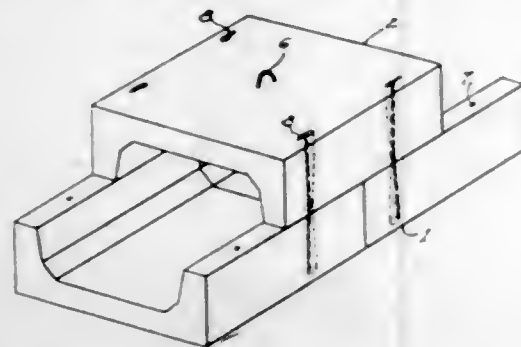
1,734,391. CORN PICKER. ROBERT M. MITCHELL, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Mar. 3, 1927. Serial No. 172,308. 38 Claims. (Cl. 56-18.)



10. A frame construction for corn pickers comprising, in combination, supporting wheels, an axle extending between said wheels, an upright carried by the axle adjacent to and inside of each wheel, a beam connecting the upper ends of the uprights and secured thereto, a fore and aft beam connected to one of the uprights and extending considerably rearwardly of and forwardly of one of the wheels, a forward transverse beam, a rear trans-

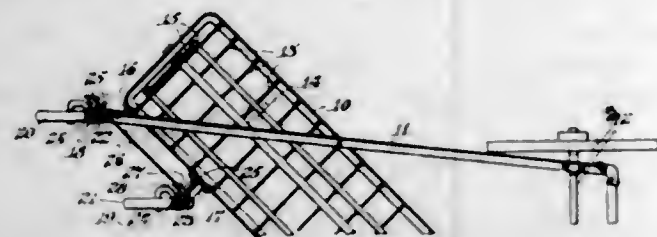
verse beam, the forward transverse beam being located a substantial distance rearwardly of the end of the fore and aft beam so that the latter overhangs the construction above set forth, a rigid draft frame pivotally related to the forward transverse beam and positioned mainly below the fore and aft beam, a rock shaft mounted on the draft frame, a crank arm on the rock shaft, a link connecting the crank arm with the forward end of the fore and aft beam, and means for adjusting the rock shaft to change the relation of the draft frame relative to the remainder of the frame construction.

1,734,392. CONCRETE CULVERT. STUART B. MOORE, Temple, Tex. Filed Nov. 8, 1926. Serial No. 147,121. 1 Claim. (Cl. 72-52.)



A culvert consisting of a plurality of channel-shaped units set up in two opposed rows to form a pipe, the sides of said units having holes extending through them transversely with respect to the meeting edges of the units and parallel to said sides, said holes tapering to a smaller diameter at said meeting edges, the holes of opposed units being substantially aligned, and the rods in said holes, said the rods being bent at said meeting edges so as to lie substantially flat along one wall of the doubly tapered passageway formed by opposed holes and being held in place by a grout.

1,734,393. CASTER-WHEEL-CONTROLLING DEVICE FOR SIDE-DELIVERY RAKES. EDWARD MOWRY, Rock Falls, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 17, 1923. Serial No. 681,074. 3 Claims. (Cl. 56-322.)



1. A side delivery rake having a frame carrying a diagonally disposed raking cylinder, a front wheel support for the frame, a pair of diagonally offset, spaced, freely casting, trailing wheels supporting the rear end and an intermediate part of the frame, and rigid means connecting the two casting wheels to cause them to angle together in unison and in the same direction when one of them strikes an obstruction, the caster wheels being independent of the front wheel support.

1,734,394. SAFETY RAZOR. JOSEPH MUROS, New York, N. Y., assignor to Frederick E. Perry, New York, N. Y. Filed Oct. 25, 1928. Serial No. 314,947. 12 Claims. (Cl. 30-12.)

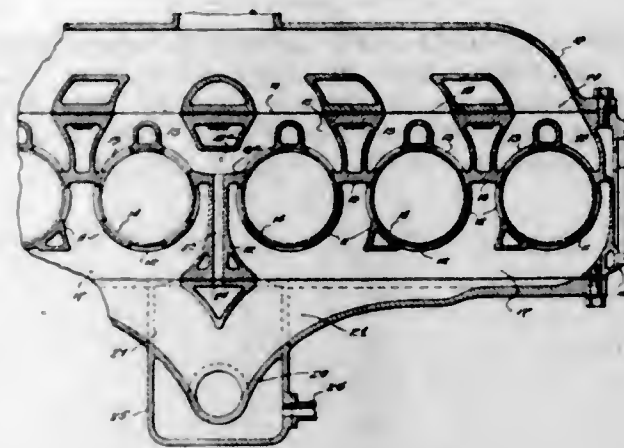
3. A razor including a handle provided with a discharge opening, a magazine within said handle adapted to hold

a stack of blades, a spring co-operating with said magazine for moving the blades out from said magazine into position to be fed, means for advancing a blade toward said discharge opening after being expelled from said magazine, means formed on said magazine for engaging



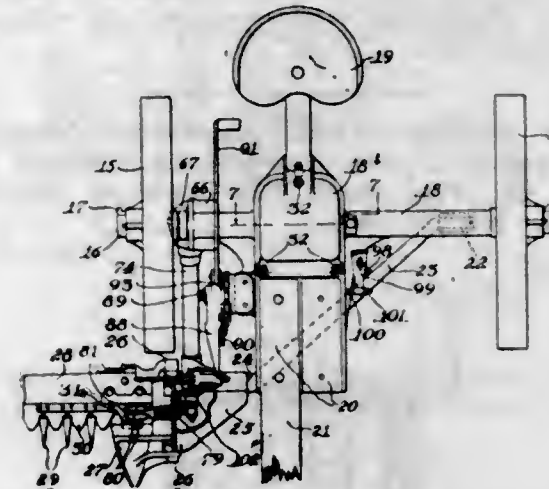
the topmost blade of the stack and preventing the same from being moved by said spring into position to be fed, and means on said advancing means for disengaging the topmost blade of the stack from said engaging means at the completion of the feeding stroke of said advancing means.

1,734,395. SLEEVE-VALVE ENGINE. ARCHIE MAC-PHAIL NIVEN, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Dec. 12, 1927. Serial No. 239,289. 11 Claims. (Cl. 123-122.)



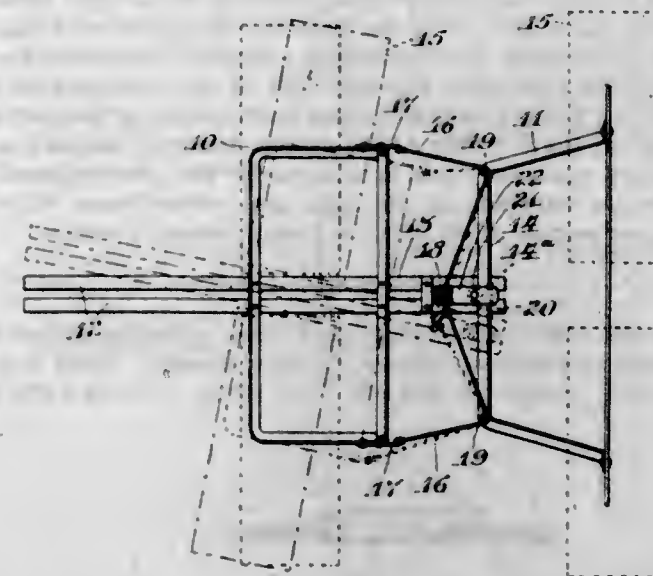
1. A sleeve valve engine comprising in combination a cylinder block and a plurality of engine cylinders ported for intake and exhaust, sleeve valve means controlling said cylinder ports, cylinder intake and exhaust chambers respectively communicating with said cylinder intake and exhaust ports, intake and exhaust manifolds respectively on opposite sides of the engine and respectively communicating with the cylinder intake and exhaust chambers, and means communicating with said cylinder exhaust chamber within the cylinder block for conducting a portion of the exhaust gases to a point for applying heat to the intake gases.

1,734,396. MOWING MACHINE. CHARLES PEARSON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 9, 1927. Serial No. 182,194. 19 Claims. (Cl. 56-276.)



1. In a mowing machine, a rotatable split axle, transmission gearing differentially rotated by said axle, a countershaft rotated by said gearing including a motion changing means, a rockshaft connected to said means to be operated thereby, a cutting mechanism, and means connecting the same to said rockshaft.

1,734,397. DISK-HARROW FRAME. WALTER B. PETERSON, Park Ridge, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 20, 1923. Serial No. 633,373. 7 Claims. (Cl. 65-83.)

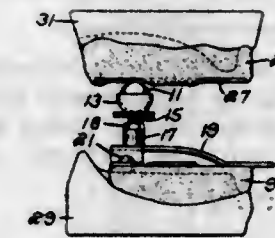


1. A frame construction for tandem implements comprising front and rear sections, supporting means on the front section for the front portion of the rear section, draft elements on the outer portions of the rear sections, and coupling means between the sections comprising flexible elements having their respective ends attached to the outer portions of the front section and to the central portion thereof and having their intermediate portions movable over the draft elements on the rear section.

1,734,398. DENTAL DEVICE AND METHOD OF UTILIZING THE SAME. GEORGE P. PHILLIPS, Boston, Mass. Filed Apr. 19, 1926. Serial No. 102,830. 5 Claims. (Cl. 32-1.)

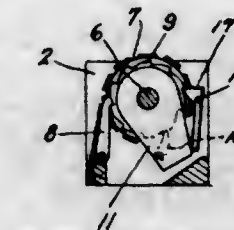
1. A trial plate attachment for dental use in securing lateral mandibular movements comprising a bearing mem-

ber adapted to be secured to one trial plate and adjustable toward and away from the companion plate, a bearing rest adapted to be secured to one trial plate and so located as to maintain biting pressure over opposite sides of the trial plate in extreme lateral positions, said bearing rest having a T-shaped supporting plate detachable from the



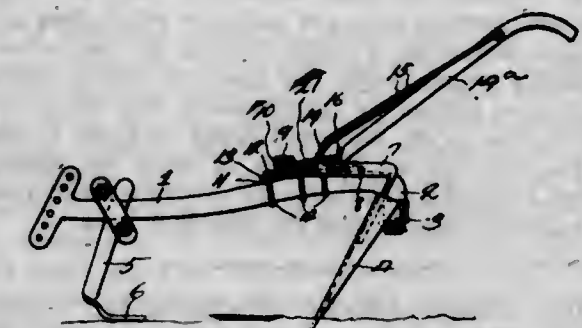
trial plate, the supporting plate having sides adapted to engage with fastenings on the trial plate, and a tongue adapted when in position to rest on the anterior portion of the trial plate whereby the same may be adjusted and applied to the trial plate after the latter has been inserted in the patient's mouth.

1,734,399. LOCK DEVICE FOR NUMBERING MACHINES. GEORGE PRIMBS, Jr., Pocatello, Idaho. Filed Jan. 8, 1929. Serial No. 331,058. 1 Claim. (Cl. 101-88.)



A numbering machine for use on printing presses including a mounting in which a plurality of type carrying members are rotatably mounted with pawl and ratchet means for operating the same, a securer for engagement with the ratchet of the rotatable members to hold the same fixed when they have arrived at perfect alignment, said securer consisting of a plate adapted to be attached to the mounting, a plurality of projections on the plate for engaging the ratchets of the rotatable members, and a construction on the plate for engaging the pawl frame to operate the projections on the plate in and out of locking position.

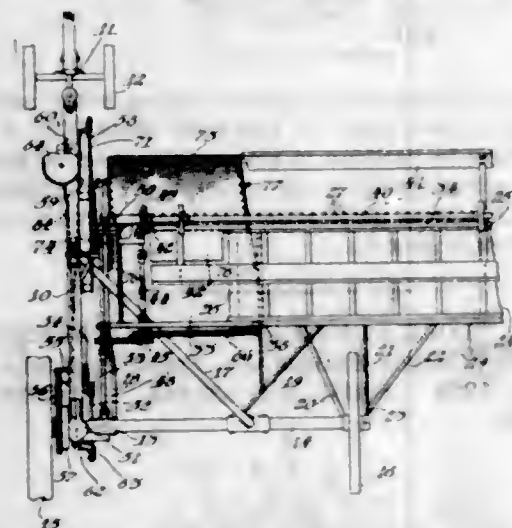
1,734,400. GRADER. WILLIAM B. QUILLLEN, Cottonwood, Calif. Filed Oct. 6, 1925. Serial No. 60,791. 2 Claims. (Cl. 37-177.)



1. A grader comprising a beam, a pivoted blade carried thereby, a segmentally shaped apertured guide and brace bar carried by said blade and disposed above the beam, a latching device for said brace bar, said device comprising a U-shaped bracket above the beam through which the segmentally shaped brace bar extends, outwardly extending arms carried by the U-shaped bracket and engaging the upper side of the beam, U-bolts arching the under side of the beam for holding said arms in close binding engagement with the upper side of the beam, transversely disposed plates engaging the upper sides of the bracket arms and through which the bolts extend, one of said arms being

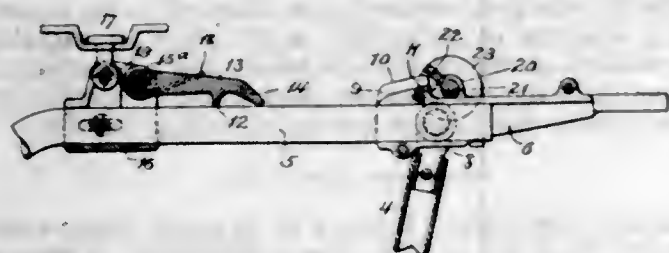
provided with an upwardly extending member spaced from the U-shaped bracket and disposed in a recess in one of the plates, a sliding bolt extending through the upwardly extending member and registering apertures in the U-shaped bracket, a stop carried by said sliding bolt and a coiled spring surrounding the sliding bolt and interposed between the stop and the upwardly extending member.

1,734,401. WINDROW HARVESTER. CLEMM R. RANNEY, Riverside, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Aug. 13, 1928. Serial No. 299,374. 14 Claims. (Cl. 56—192.)



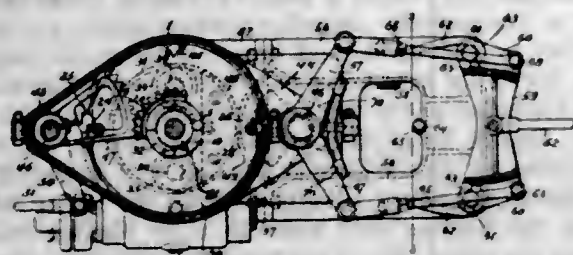
2. In a windrow harvester, a platform including a cutting apparatus, a windrow compressor arranged in advance of the cutting apparatus, and means for detachably connecting the compressor to the platform.

1,734,402. STANCHION. HUGO C. RASSMANN, Beaver Dam, Wis., assignor to F. Rassmann Manufacturing Company, Beaver Dam, Wis. Filed June 28, 1926. Serial No. 119,068. 4 Claims. (Cl. 119—149.)



1. The combination with stanchion bars, of a spring pressed latch carried by one of said bars and having pivotal connection therewith, a catch carried by the other bar and slidably engaged with the first bar, and a manually operable lever carried by the stanchion bar which is provided with the catch, said lever being arranged to engage under the free end of the latch to effect the raising of said latch to disengage it from the catch and then fulcrum on the latch to initially open the stanchion bars.

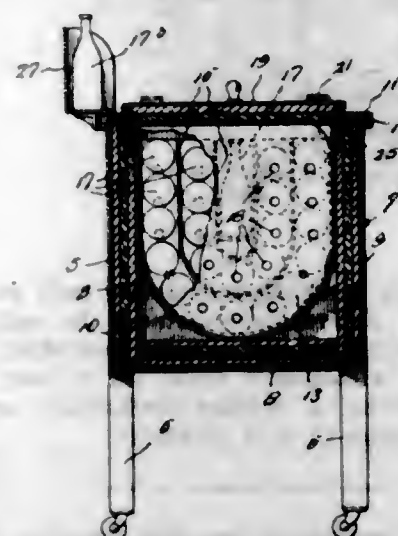
1,734,403. POWER-BRAKE MECHANISM. ALVIN L. ROBERTS, Philadelphia, Pa. Filed Nov. 21, 1927. Serial No. 234,761. 9 Claims. (Cl. 188—140.)



1. In power brake mechanism, the combination with a brake rod, a rock shaft, power operated means for turning

said shaft, and muscularly operable means for controlling said power operated means, of a lever keyed to said rock shaft, oppositely disposed pivotally supported arms engaged by said lever, a lever mounted for pivotal support at each of its ends, connections between said pivotally supported arms and respective ends of said last mentioned lever, and a connection intermediate the ends of the latter and the brake rod.

1,734,404. REFRIGERATOR. JAMES E. SAPP, Bainbridge, Ga., assignor to Rich Manufacturing Company, Bainbridge, Ga. Filed Aug. 8, 1928. Serial No. 298,345. 7 Claims. (Cl. 312—36.)



1. In a refrigerator of the character described, a rectangular box having a round bottom tub removably fitted in and extending from end to end thereof, a plurality of round bottom commodity compartments removably fitted in said tub, and a cover for said box composed of a plurality of sections, each providing a lid for a separate one of said compartments, one side wall of each compartment having an upward extension, and each section of the cover having an inner lining of insulating material adapted to cooperate with the wall extensions of the compartments to exclude entrance of air into one compartment when the cover section of an adjacent compartment is opened.

1,734,405. SEPARABLE FASTENER. GEORGE HAROLD CLIFFORD SHIPMAN, Ottawa, Ontario, Canada. Filed July 2, 1928. Serial No. 289,899. 10 Claims. (Cl. 24—205.)

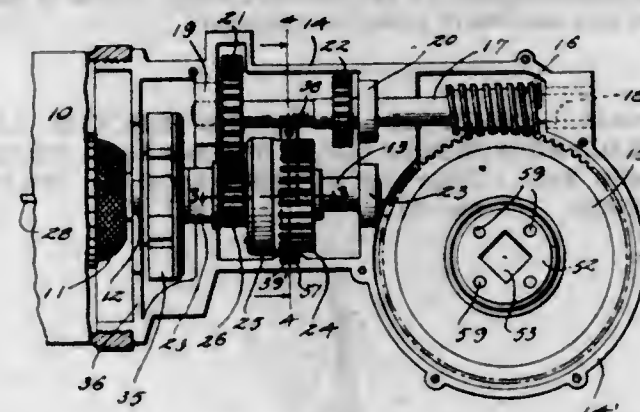


1. A slider for a pair of rows of fasteners of the kind described, consisting of a body member embracing the rows of fasteners; a loop member fixed on the front of said body member and having its ends immovable with respect thereto; a latch member supported by said loop member and having an end normally engaging said fasteners; and a pull member slidably mounted on said loop member and movable toward one end of the loop member to free the latch member from the fasteners and toward the other end of the loop member to permit engagement of the latch member with the fasteners.

1,734,406. MOTOR-OPERATED ASSEMBLING TOOL. CLARENCE B. STRAND, Mahanomen, Minn. Filed Feb. 20, 1928. Serial No. 255,735. 3 Claims. (Cl. 74—58.)

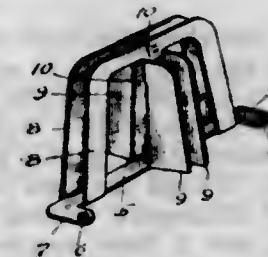
1. A gear set including a hollow shiftable gear, a disk clutch within the gear and having certain of the disks

thereof operatively engaged with the gear for rotation therewith, and means operatively connected with the other



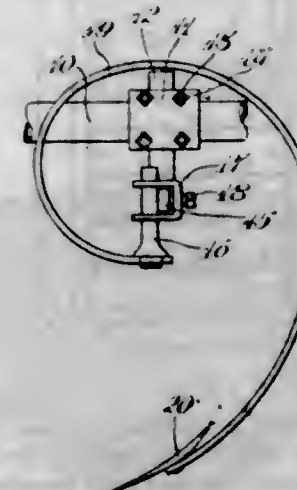
disks of the clutch and adapted for simultaneously shifting the gear from one speed position to another and for setting the clutch at either position of the gear.

1,734,407. PARTITION BRACKET. JOSEPH TAUSSIG, Chicago, Ill. Filed Apr. 15, 1929. Serial No. 355,102. 5 Claims. (Cl. 312—140.)



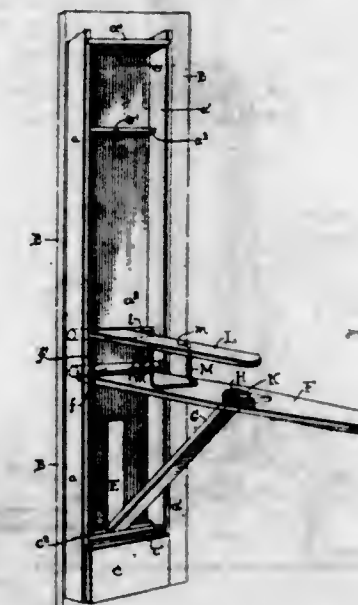
1. A bracket of the character described composed of a single piece of sheet metal and comprising a base member, and two upstanding side members bent up from the edge portions of the base member to form a partition receiving channel therebetween, at least one of said side members having two laterally projecting wing portions formed from the material of said side member and bent out from the middle portion thereof to form a partition receiving channel between them.

1,734,408. CULTIVATOR. WILLIAM H. THOMPSON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 30, 1928. Serial No. 273,780. 2 Claims. (Cl. 97—198.1.)



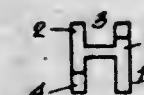
1. In a cultivator tooth mounting, the combination of a substantially horizontal cultivator beam, an angular standard having a vertically disposed arm clamped to one side of the cultivator beam and a horizontally disposed arm extending on a line at right angles to the cultivator beam, an upright bar clamped on the end of the horizontal arm, and a curved spring cultivator tooth secured to the bar and surrounding the horizontal arm of the standard.

1,734,409. IRONING BOARD. EARL M. TRAMMELL, El Paso, Tex., assignor to El Paso Sash & Door Company, El Paso, Tex. Filed Dec. 17, 1927. Serial No. 240,794. 1 Claim. (Cl. 68—10.)



In combination, a board, means mounting the board for swinging movement on a horizontal axis, a prop carried by the board and pivotally secured to the under side thereof, spring means urging said prop toward the board and normally maintaining it folded against the board, said prop having one end free and in its folded condition extending beyond the board and being spaced above the bottom wall of the cabinet space, and means rearwardly of said prop engageable by the latter as the board is lowered to cause said prop to open against the tension of said spring means to an inclined position to support the board in its unfolded position.

1,734,410. FASTENING DEVICE. ALBERT RANDALL WELLS, London, England. Filed Apr. 4, 1928. Serial No. 267,286, and in Great Britain Apr. 13, 1927. 2 Claims. (Cl. 85—13.)

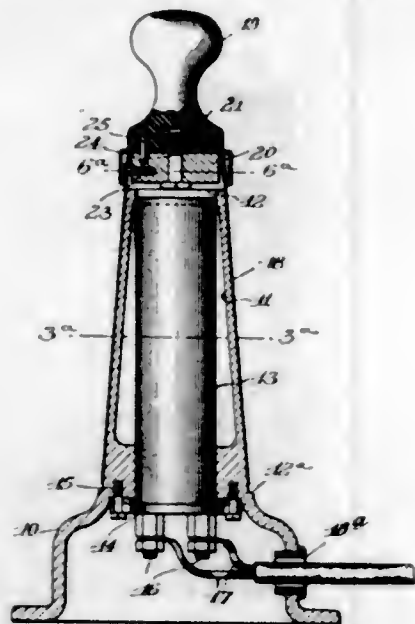


2. A fastening device comprising two flat parallel legs having their terminals beveled to form sharp edges, and a flat intermediate cross bar connecting said legs, the outer edges of the flat legs above the flat cross bar being reduced in width to form outer shoulders in substantial alignment with the top edge of the flat cross bar, the flat cross bar serving as a means to receive a blow from a tool to drive the device into the material being fastened, and the beveled sharp edges serving as a means for deflecting the flat legs above and below the cross bar when applying the fastener.

1,734,411. RIM-STRETCHING DEVICE FOR EYEGLASS AND SPECTACLE FRAMES. JAMES W. WELSH, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 26, 1924. Serial No. 757,975. 3 Claims. (Cl. 81—3.5.)

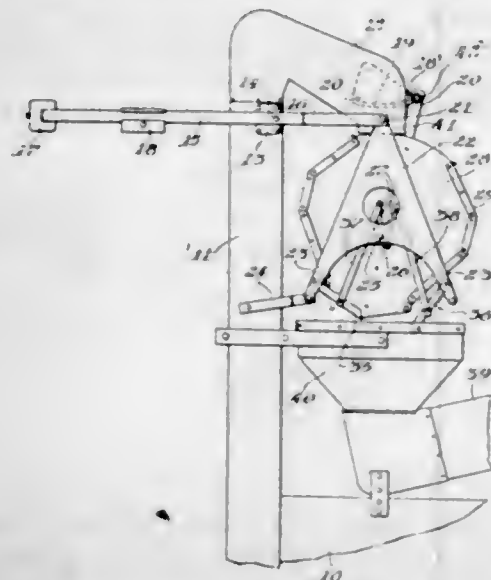
1. In a device of the class described, the combination of a handle, a flexible metal sheet having opposite edges thereof brought slidably together to form an expansible conical sleeve open at its larger end and loosely connected at the other to said handle, said sleeve being adapted to

have a rim to be stretched applied over the handle end thereof to encircle an intermediate portion of the sleeve corresponding to the desired size of the rim, a conically



tapered core for engagement within said sleeve to expand the same and means for heating said core and sleeve to heat a rim while being stretched on the sleeve.

1,734,412. GRAIN WEIGHER. ARNT WILHELM WESSMAN, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 6, 1928. Serial No. 287,825. 3 Claims. (Cl. 249-33.)



1. In a weigher, the combination of a scale beam fulcrumed on a support, hangers carried by said beam, a shaft carried by the hangers, a hopper, brackets carried by the hopper and rockably mounted on the shaft, a plate on the support, said plate having a rounded bottom and a flat end, and a roller carrying arm secured to the hopper for cooperating with said plate to hold the hopper against rocking movement.

1,734,413. EMULSIFIED PLASTIC AND PAINT. CHARLES L. YOUNG, Minneapolis, Minn., assignor of one-half to Charles A. Prosser, Minneapolis, Minn. Filed Mar. 20, 1928. Serial No. 96,303. 6 Claims. (Cl. 134-39.)

2. A plastic and paint comprising a mixture of substances in the following proportionate quantities: forty pounds of whiting, one ounce of cobalt blue, two gallons of water, one and one-half pounds of hide glue, one gallon of bleached boiled linseed oil, eight pounds of bleached

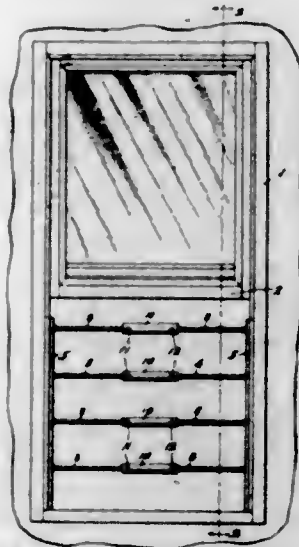
pine resin, one gallon of benzine, approximately three-fourths of a pound of plaster of Paris for each gallon of paint producible by the formula, eight ounces of glycerine, and one-fourth pound zinc sulphate.

1,734,414. COMBINED BACKBAND BUCKLE AND TRACE-SUPPORTING LOOP. WILLIAM LEROY BECTAN, Halls, Tenn. Filed Oct. 2, 1928. Serial No. 309,733. 1 Claim. (Cl. 54-55.)



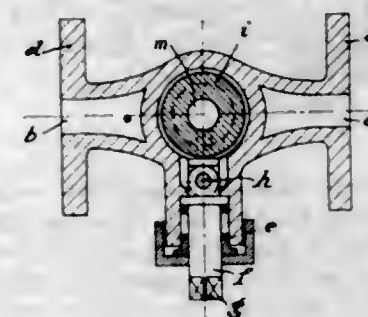
In a device of the class described comprising a plate formed with upper and lower slots to accommodate a back band, slotted flanges extending laterally from the ends of the plate, the slots in the flanges being arranged at an acute angle with respect to the plate, a back band engaging roller unit operable through the slots in the rear flanges, for the purpose of frictionally holding the back band in adjusted position, and a trace supporting loop carried by the lower edge portion of the plate, said loop being disposed at right angles with respect to the plate.

1,734,415. WINDOW GUARD. ALBERT S. BIERFIELD, Chicago, Ill., assignor to Home Safety Corporation, a Corporation of Illinois. Filed Dec. 3, 1928. Serial No. 323,233. 4 Claims. (Cl. 20-71.)



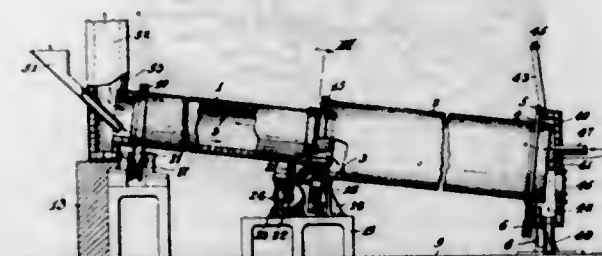
1. A window grating comprising a pair of upright rods adapted to be fitted within the vertical grooves of a window casing, said upright rods being provided with a plurality of spaced openings of non-circular cross section on one face thereof, cross rods received within said openings and mounted between said upright rods, sleeves carried by said cross rods for adjusting the said cross rods to the required distance between said upright rods, and means associated with said sleeves for securely locking the said cross rods to said uprights in their desired adjusted position, said means being disposed so as to be operable from the inside of the window casing only.

1,734,416. COCK OR TAP FOR CONTROLLING FLUIDS. OTTO BRACKER, Hanau-on-the-Main, Germany. Filed July 2, 1928, Serial No. 289,903, and in Germany Mar. 23, 1927. 3 Claims. (Cl. 251-91.)



1. A cock or tap comprising a housing having a fluid inlet, a fluid outlet and a seat having a passage there-through and a right angled seating surface, a spherical plug having a substantially diametrical passage there-through considerably smaller than the passage through said seat, a stem to rotate said plug, and a pivotal connection between the stem and plug to permit the latter to freely seat.

1,734,417. ROTARY KILN. ARTHUR J. BRIGGS, Syracuse, N. Y., assignor to Industries of America, Inc., a Corporation of Delaware. Filed Jan. 27, 1927. Serial No. 163,899. 10 Claims. (Cl. 263-33.)



3. A rotary kiln comprising a plurality of cylindrical sections having their adjacent ends arranged in telescopic relation and supported against axial play at their other ends, whereby relative axial movements of said sections are localized at the region of the telescopic joint therebetween.

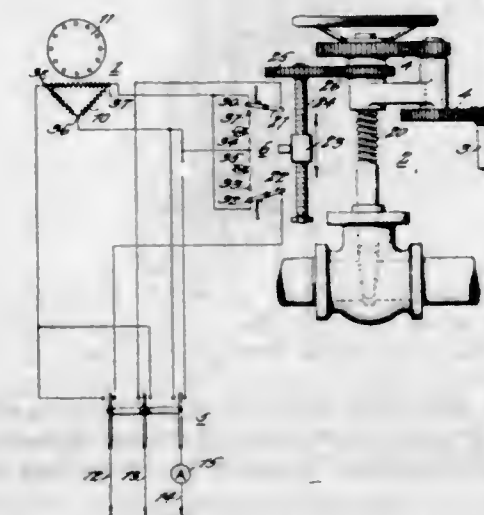
1,734,418. METHOD OF MAKING TOE STIFFENERS. EVANS P. CARR, Rochester, N. Y. Filed Dec. 17, 1923. Serial No. 681,152. 1 Claim. (Cl. 12-146.)



The herein described method of making box toe stiffeners, which consists in coating a fabric with a celluloid solution; allowing the coating to become partially dry; spreading a thin fabric over the coating; running the composite material through heated rolls to smooth out the wrinkles; allowing

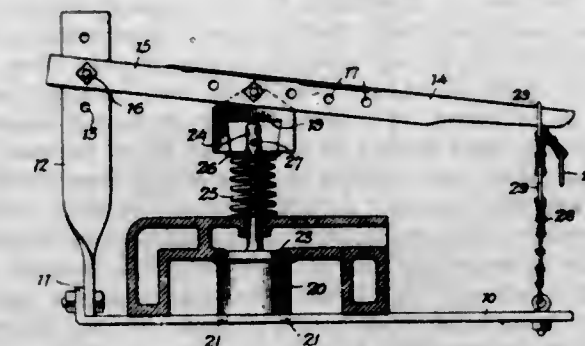
the smoothed material to become thoroughly dried; cutting out the stiffeners; and soaking them in a softener when required for use.

1,734,419. ELECTRICAL VALVE ACTUATION. WILLIAM C. CHITTY, Bayonne, N. J., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J., a Corporation of New Jersey. Filed Jan. 12, 1927. Serial No. 160,754. 7 Claims. (Cl. 172-239.)



6. The method of operating a valve which comprises operating a polyphase driving motor under polyphase excitation during the major portion of the operating cycle and under single-phase excitation as the valve approaches the opened and closed positions.

1,734,420. VALVE TOOL. HOWARD R. CURTIS, Brawley, Calif. Filed Dec. 8, 1928. Serial No. 324,774. 1 Claim. (Cl. 29-86.3.)

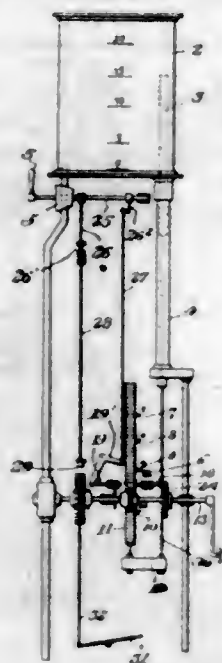


A valve tool of the character described comprising a base, a standard rising therefrom, a handle pivoted on the standard and arranged above the base, a valve spring engaging member depending from the handle and adjustable longitudinally thereof, a tubular valve support, lugs depending from the support, and said base having spaced openings to receive said lugs to hold the support fixed relatively to the base when the tool is in use.

1,734,421. PUMP FOR THE DELIVERY OF LIQUIDS IN PREDETERMINED AMOUNTS. TORCUATO DI TELLA, Buenos Aires, Argentina. Filed Oct. 18, 1926, Serial No. 142,499, and in Argentina Aug. 17, 1926. 14 Claims. (Cl. 221-100.)

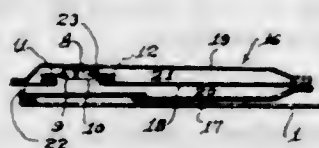
1. In a liquid dispensing apparatus, a reservoir, an overflow pipe movable thereinto to different predetermined positions corresponding to different definite quantities of

liquid to be dispensed, feed and discharge pipes connected with the reservoir, a pump for forcing liquid through the



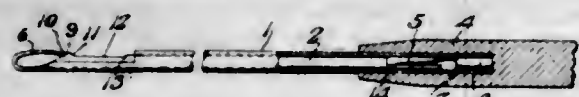
feed pipe into said reservoir, a device for setting the overflow pipe, and a shiftable operating element to selectively operate either the pump or the setting device.

1,734,422. POCKET. HYMAN FEIT, Brooklyn, N. Y., assignor to Abraham Feit, New York, N. Y. Filed Feb. 10, 1927, Serial No. 167,282. Renewed Aug. 12, 1929. 1 Claim. (Cl. 2—253.)



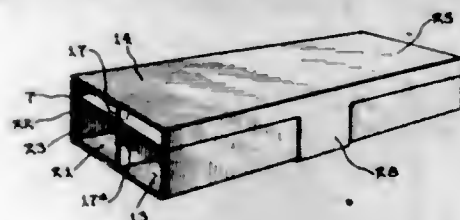
The combination with the wall of a garment having a slitted opening therein, an adjacent edge of the opening having an overlapping turned in edge to which is stitched a wall member, an intermediate wall member stitched to the first mentioned wall member, said intermediate wall member made of two parts leaving a gap between them, the adjacent edges of the intermediate wall member being turned in, a series of inter-engaging fastening members sewed to the said turned in edges, the space between the first mentioned wall member and the second mentioned intermediate wall member forming a main pocket, another wall member adjacent the said intermediate wall member, the space between the said intermediate wall member and the last mentioned wall member forming a safety pocket, the first mentioned wall member made of two sections, the section opposite the fastening members running parallel with and overlying the said interengaging elements.

1,734,423. NEEDLE AND THE LIKE. STANLEY W. FINCH, Washington, D. C. Filed June 18, 1928. Serial No. 286,207. 21 Claims. (Cl. 66—117.)



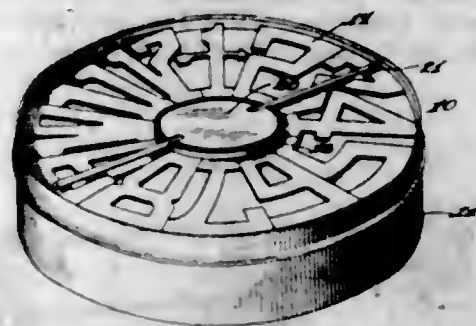
1. In a sliding latch needle for repairing runs a shank member terminating in a hook; a latch member adapted to be moved by a thread back and forth along said shank member to open and close said hook, said latch member having at one end thereof a beveled face with an opening therein adapted to receive the point of the hook; and frictional means adapted to prevent the premature closing of the hook when the needle is moved longitudinally through the fabric being repaired.

1,734,424. CARTON. RAY H. FITZ GERALD, Birmingham, Ala. Filed Nov. 22, 1928. Serial No. 321,129. 5 Claims. (Cl. 229—29.)



1. A carton of the character described comprising bottom and top sections foldable one upon the other, each of said sections having a plurality of pairs of resilient flaps, each pair of flaps adapted to engage an article disposed between them, the flaps of the bottom section having notches, and a longitudinally extending member in the bottom section having tongues passing through the notches of the flaps therein and forming partitions.

1,734,425. GAME PACKAGE. WALTER J. GALLAGHER, NORMAN E. WOLF, and WALTER F. WOLF, New York, N. Y., assignors to Premier Sport Products, Inc., New York, N. Y., a Corporation of New York. Continuation of application Serial No. 195,445, filed May 31, 1927. This application filed Aug. 14, 1929. Serial No. 385,773. 7 Claims. (Cl. 273—148.)



1. An article of merchandise comprising a container, a horizontal partition supported within said container and having a central opening therein, a cup resting on the bottom of said container and extending through said opening, and numerical members supported upon said partition and arranged radially about said cup.

1,734,426. CANINE NASAL IRRIGATOR. GUY G. GRAHAM, Kansas City, Mo. Filed Oct. 29, 1928. Serial No. 315,689. 1 Claim. (Cl. 128—239.)



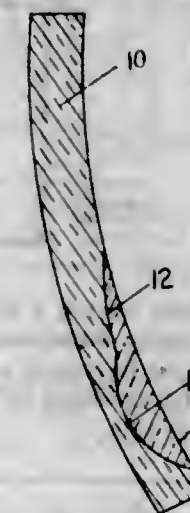
A nozzle for canine nasal irrigators of generally conical form and having a stem communicating therewith and projecting from the apex thereof, the side portions of the nozzle being bowed forward relative to the top portions thereof but at a sharper or more receding angle at the bottom than at the top, the front end of the nozzle chamber being flared relative to the chamber proper; the lower portion of the front end of the nozzle being substantially horizontal and the upper portion of said end of relatively pointed or upwardly tapering form.

1,734,427. FLEXIBLE DRIVE. WALLACE C. GRAY, Assiniboia, Saskatchewan, Canada. Filed Jan. 3, 1927, Serial No. 158,715, and in Canada Apr. 30, 1926. 2 Claims. (Cl. 51—241.)



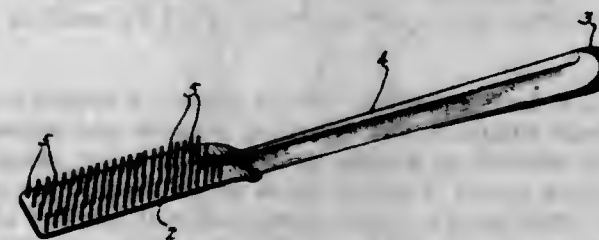
1. The combination with the driving shaft and the tool rest of an emery stand, said tool rest presenting an inturned end extending towards the shaft, of a supporting arm positioned parallel to the shaft and having one end hooked to receive the inturned end of the tool rest and the other end provided with a bearing sleeve spaced from the end of the shaft and axially aligned therewith, means for clamping the hooked end of the arm to the tool rest, a flexible metallic casing passing through the bearing sleeve and firmly held thereto and a driving cable passing through the flexible casing and detachably fastened to the end of the shaft.

1,734,428. METHOD OF MAKING FUSED MULTIFOCAL LENSES. CARL G. HARRING, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 1, 1928. Serial No. 152,021. 6 Claims. (Cl. 49—32.1.)



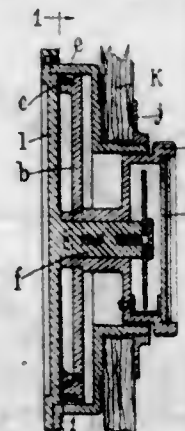
3. The method of making a trifocal lens which comprises forming a curved surface on a portion of a surface of a major lens blank, forming a second curved surface of greater curvature than the first curved surface on a portion of the said first curved surface and fusing a single minor lens blank on both of the said curved surfaces.

1,734,429. TOOTHBRUSH. CHARLES B. HANOVER, Spokane, Wash. Filed Jan. 16, 1928. Serial No. 247,101. 2 Claims. (Cl. 15—186.)



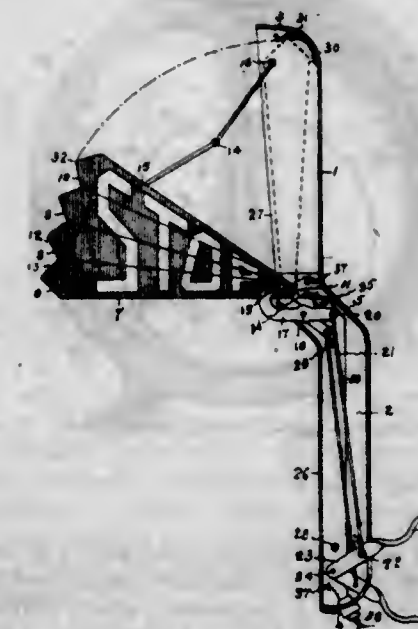
1. A tooth brush comprising a body portion and a handle portion integrally formed of fibrous sheet material, protuberances of fibrous material secured in said body portion, and a longitudinally extending rib in said handle portion to strengthen the same against lateral pressure.

1,734,430. INDICATING ELEMENTS OF MEASURING INSTRUMENTS. JOHN ARCHIBALD HARTCUP, Newhouse, England. Filed Oct. 31, 1927, Serial No. 230,132, and in Great Britain Nov. 8, 1926. 4 Claims. (Cl. 116—129.)



1. In apparatus manually operable for indicating the level of liquids, especially that of petrol tanks, the combination of a rotary drum with shrouded annular grooved surface, an operating transmission cable co-acting with the grooved surface; means for anchoring one end of the cable to the grooved drum, an inlet formed in the drum through which the cable passes, the other end of the cable being in co-operative relation with the float device controlled by the liquid level in the tank; a dial-plate with indicating means arranged co-axially with the drum but separate therefrom; and a rotatable member at the front of the dial-plate, through which the drum is operable to control the cable when taking the liquid level and thereby the dial indication when the level is found.

1,734,431. TRAFFIC SIGNAL. MANUEL A. CASTRO, San Francisco, Calif., assignor of one-half to Bland Brodnax, Berkeley, Calif. Filed Sept. 8, 1926. Serial No. 134,158. 1 Claim. (Cl. 116—41.)



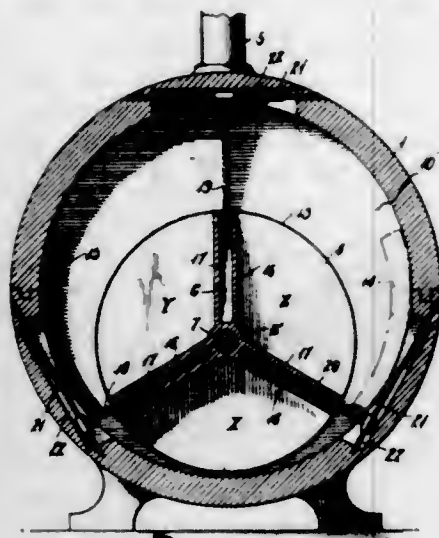
A traffic signal comprising an elongated casing having an offset intermediate its length, a collapsible fan shape semaphore comprising a plurality of segmental slidably interconnected plates having their apices pivoted on a common pivot in said casing adjacent said offset, a detent in said casing adapted to engage said semaphore, a bell crank pivoted in said offset and to the lower leaf of said semaphore, a jointed arm attached to the topmost of said plates and to said casing above said pivoted point, and a remote control handle pivoted in said casing and linked to said bell crank.

1,734,432. ELECTRICAL CONNECTION. CARL F. GOUDY, Flushing, N. Y., assignor to Pacent Electric Company, Inc., New York, N. Y., a Corporation of New York. Filed June 22, 1926. Serial No. 117,655. 7 Claims. (Cl. 173-269.)



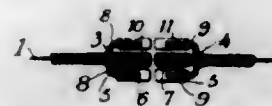
1. A connection for by-passing the second audio-frequency stage of a radio receiving set comprising a thimble applicable to the output terminal prong of the first audio-frequency tube of the set, said thimble having a contact element in engagement with the prong and an insulating portion overstanding the end of the prong, an extension wire connected with said contact and a terminal on said wire for connection with the terminal of a telephone cord or the like.

1,734,433. ROTARY ENGINE. JOHN D. HOTT, Reno, Nev. Filed Oct. 20, 1923. Serial No. 669,819. 4 Claims. (Cl. 121-68.)



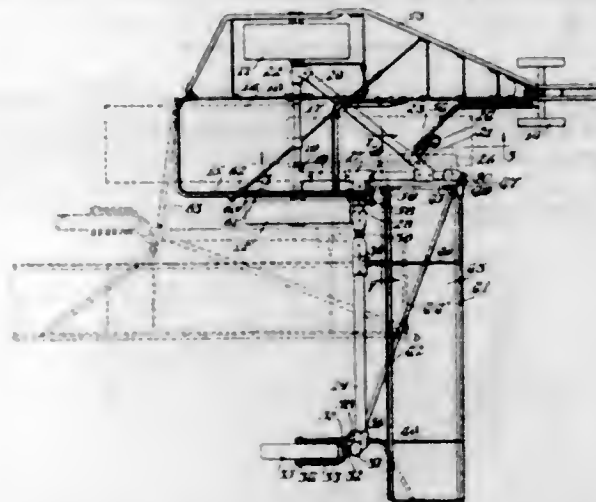
1. An engine of the character described, the combination with the casing of a non-rotatable eccentrically mounted core disposed therein, a concentric shaft driven by said core extending from said casing, a plurality of blades radiating from the core, a slide telescopically cooperating with each blade, means for supporting said slides for a reciprocating movement in said casing, a rotary valve having an elongated port passing therethrough for controlling the admission of a motive fluid to said casing whereby a motive energy is admitted to at least one of said chambers in the casing to exert pressure on two of the blades and slides forming the chamber, whereby said slides are driven in different directions but transmit the force of said energy to rotate said shaft in a single direction, and a rotary exhaust valve in the casing provided with an elongated port for discharging spent gases from said chambers.

1,734,434. CLOSURE. WILLIAM Y. HUTCHINS, Kingsport, Tenn. Filed Jan. 16, 1929. Serial No. 832,844. 5 Claims. (Cl. 24-205.)



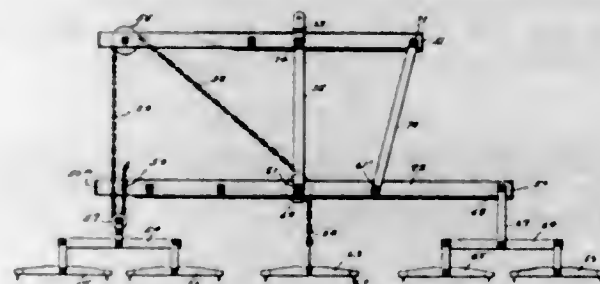
5. A receptacle having an opening, twin engaging flaps at each side of the opening, transverse engaging members on the twin engaging flaps, sealing means adapted to be brought together upon the closure of the flaps, and a runner having twin operators to engage the flaps and draw the flaps together or force them apart.

1,734,435. HARVESTER THRASHER. ARNOLD E. W. JOHNSON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 11, 1927. Serial No. 182,570. 26 Claims. (Cl. 56-122.)



1. A harvester thrasher having a transverse axle, a forwardly extending vertically adjustable frame, pivoted to said axle, and a transverse harvester support pivotally connected to said frame and arranged in a line in advance of the axis of the transverse axle.

1,734,436. DRAFT EQUALIZER. GUST JOHNSON, Orrin, N. Dak. Filed July 12, 1926. Serial No. 121,952. 6 Claims. (Cl. 278-8.)

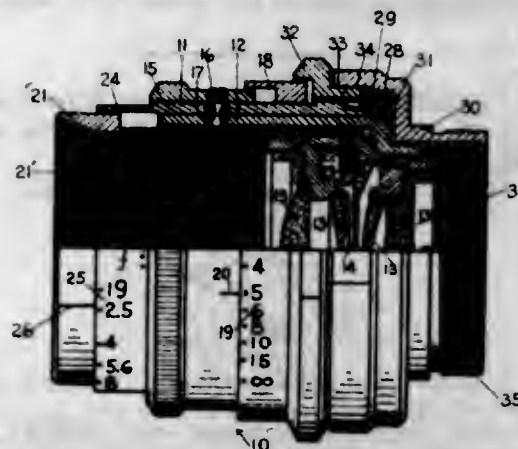


1. In a draft equalizer, a main evenner, a second evenner of greater length, means extending between and connected to said evenners by pivots, said evenners being swingable about said pivots, a pulley wheel at one end of the main evenner, draft means, a chain connected with one end of the second evenner and with the draft means and passing around said pulley wheel on the main evenner, a second pulley wheel carried by the second evenner between its ends, the chain passing over the second pulley wheel, draft means connected with this portion of the chain, and draft means connected with the end of the second evenner remote from the end connected with the chain.

1,734,437. PRODUCTION OF AQUEOUS DISPERSIONS. LESTER KIRSCHBRAUN, Leonia, N. J. Filed July 22, 1927. Serial No. 207,822. 5 Claims. (Cl. 184-1.)

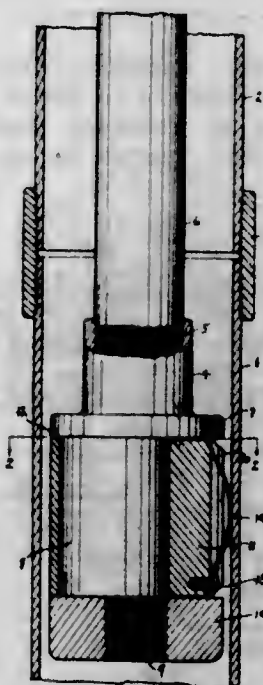
1. A dispersion of fluid consistency of a bitumen-pitch-type base, solid or semi-solid at atmospheric temperatures and normally immiscible with water, comprising water as the continuous phase, a dispersing agent, and finely divided particles of the base as the dispersed phase, the particles of said base being of such size relative to the viscosity of the dispersion that the finely divided particles of the base remain in suspension when subjected to centrifugal action, the dispersing agent being of such degree of inertness to electrolytes that the dispersion remains unbroken in the presence of substantial quantities thereof, and of such character and amount as to produce in the dried product an irreversible film.

1,734,438. FOCUSING LENS MOUNTING. AUGUST F. KOZHLER, Rochester, N. Y., assignor to Bausch & Lomb Optical Co., Rochester, N. Y., a Corporation of New York. Filed July 23, 1928. Serial No. 294,818. 10 Claims. (Cl. 95-45.)



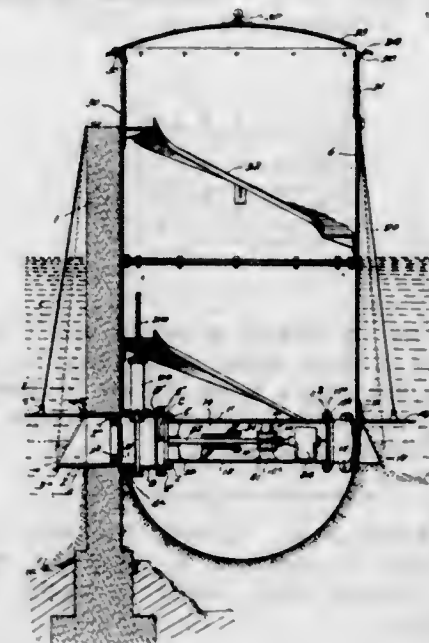
1. The combination of a lens mounting, attaching means rotatably secured to said mounting and means for selectively locking said mounting against rotation relative to said attaching means.

1,734,439. INTERIOR PIPE WRENCH. GERALD R. LIVERGOOD, Houston, Tex. Filed Apr. 5, 1926. Serial No. 99,909. 4 Claims. (Cl. 81-72.)



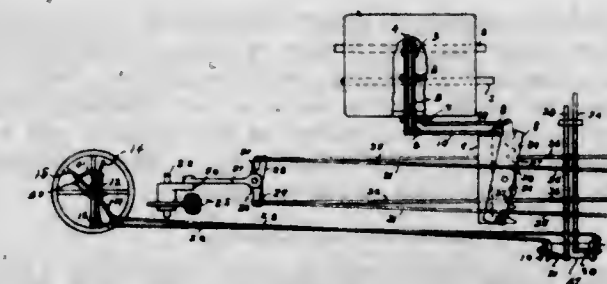
4. A pipe gripping wrench for engaging the interior of a pipe, comprising a stem, a head thereon, an eccentrically mounted gripping ring thereon, means normally engaging the pipe to resist rotation of said ring and teeth on said ring.

1,734,440. DRAINAGE PUMP. JOHN MARKMAN, Forreston, Ill. Filed Dec. 28, 1928. Serial No. 329,019. 5 Claims. (Cl. 103-89.)



1. In a device of the class described, a wall, a tank, and guide means associated with the wall and tank whereby the latter can be slid into place and maintained in close proximity to the wall, and a pump unit in said tank having an inlet through one side thereof and an outlet through the other, the wall having an opening adapted to register with said pump outlet of the tank.

1,734,441. GEAR-SHIFTING MECHANISM. WALTER F. MOTTIER, El Campo, Tex. Filed Oct. 26, 1925. Serial No. 65,056. 6 Claims. (Cl. 74-58.)

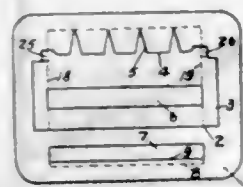


1. A gear shifting device comprising gearing for establishing a plurality of driving relations, gear shifting means in operative connection with the gears to be shifted, actuating members in operative connection with said gear shifting means, stop plates associated with said respective members and effective to limit their range of movement, manually operable means for operating said actuating members into different positions to establish any of said relations, selective means, under the control of the operator, and operatively connected with said manually operable means and through which the desired gear relation may be pre-selected.

1,734,442. PRODUCTION OF VAT DYE STUFFS. WILFRED M. MURCH, Hamburg, and WINFRED J. CAUWENBERG, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed May 26, 1926. Serial No. 111,880. 11 Claims. (Cl. 260-81D.)

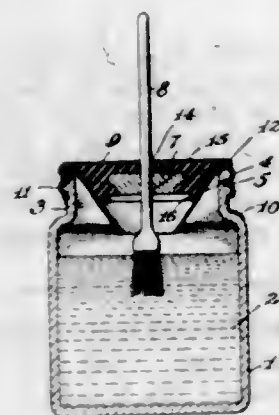
1. In the production of coloring matters, a process which comprises treating a composite product containing a vat dye and a non-vat dye by-product, and obtainable from the fusion of benzanthrone with caustic potash, with a mild alkaline oxidizing agent.

1,734,443. METHOD OF MAKING BUCKLES. HARRY G. NORWOOD, Baltimore, Md., assignor of one-half to A. D. T. Libby, East Orange, N. J., and one-half to Clarence S. Mayer, New York, N. Y. Filed June 30, 1928. Serial No. 289,404. 3 Claims. (Cl. 112-116.)



1. The process of making a buckle which consists in taking a piece of sheet metal comprising the body part of the buckle, punching a latch blank therefrom, forming both the body and latch to the desired shape, and then mounting the latch on the body.

1,734,444. PASTE JAR. ARTHUR PAULSON, New York, N. Y., assignor to Christian Iverson, Inc., New York, N. Y. Filed June 6, 1925. Serial No. 35,405. 6 Claims. (Cl. 91-67.1.)



1. A jar for liquids or pastes comprising a container having an upper edge, a hollow member extending into the container and providing an edge against which a brush may be wiped, and a block of compressible material adapted to enter the hollow of the member and act as a closure therefor and shaped with a flange adapted to overlie the upper edge of the container.

1,734,445. LOCK NUT FOR BOLTS AND THE LIKE. CHARLES EDWARD STEWART PLACE, Manchester, England, assignor of one-half to Sam Foster Marsden, Manchester, England. Filed Nov. 2, 1926. Serial No. 145,729, and in Great Britain Nov. 4, 1925. 2 Claims. (Cl. 151-21.)

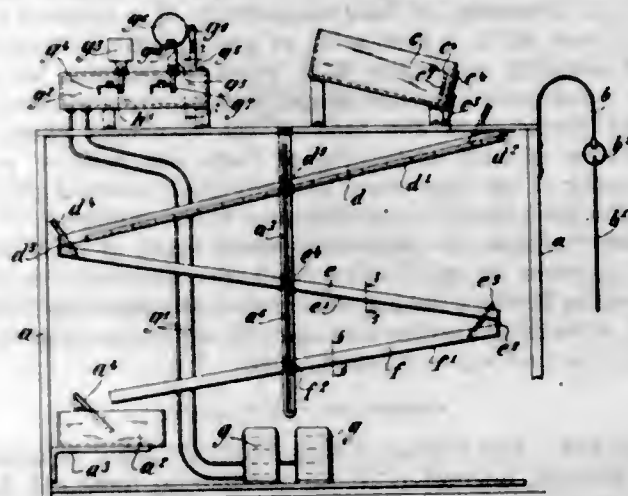


1. A lock-nut for screw bolts and the like divided at its outer end by radial saw cuts or grooves perpendicular to each of its side faces to form sector-like portions or castellations equal in number to the number of side faces, the under side of said nut being dished to form a continuous circular fulcrum bearing surface at the peripheral edge of the dish, said nut having a bore formed with a spiral thread of uniform depth.

1,734,446. STORM-SIMULATING DEVICE. FRANK SCHALKENBACH, New York, N. Y. Filed Oct. 21, 1927. Serial No. 227,695. 4 Claims. (Cl. 272-14.)

1. A storm simulating device comprising a supporting frame, a plurality of channels carried by the frame, means

to position the channels to enable objects to cascade from one to another in traversing the lengths thereof, a container carried above the channels, means to control the



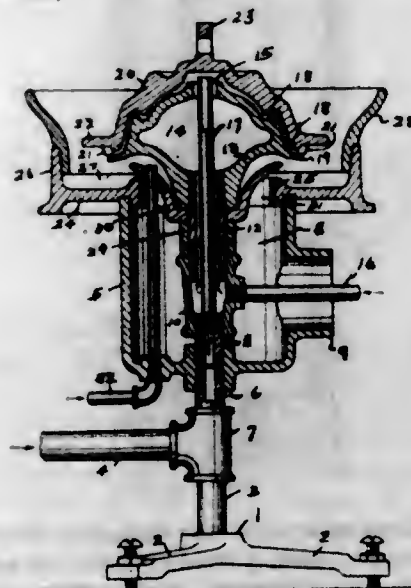
discharge of objects therefrom, and means forming the bottom of the channels to cause each to produce a distinctive sound as the objects roll along their lengths.

1,734,447. BOTTLE CLOSURE. FRANK SCHNEIBLE, New York, N. Y. Filed Jan. 26, 1928. Serial No. 249,536. 6 Claims. (Cl. 215-65.)



2. A bottle closure comprising one member formed with a depending flange to engage a beaded bottle neck, and a second member also formed with a depending flange to engage the bottle neck but opposite the first and eccentrically pivoted upon the first to swing in the same plane therewith, the flange of the second member being turned in at its lower edge and a cam on the intumed edge to provide a positive means for gradually decreasing the distance between the intumed edge and the depending flange of the first member on the opposite side of the bead of the bottle as the second member is swung to a closed position.

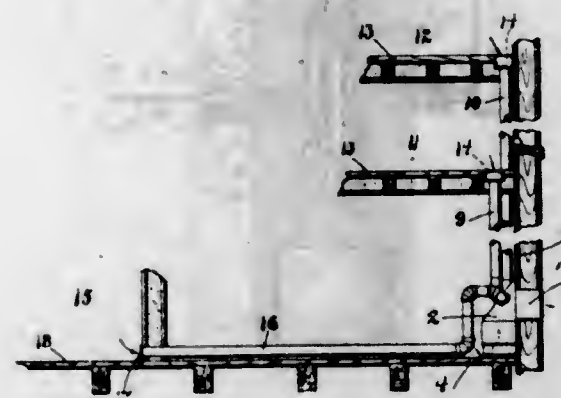
1,734,448. BURNER. CARROLL J. SHERMAN, Houston, Tex., assignor of one-third to Ewing Werlein and one-sixth to Charles H. Sherman, Harris County, Tex. Filed Aug. 15, 1927. Serial No. 212,940. 9 Claims. (Cl. 158-11.)



8. A fuel burner comprising a liquid fuel conducting tube, a generator on the upper end thereof with an upper

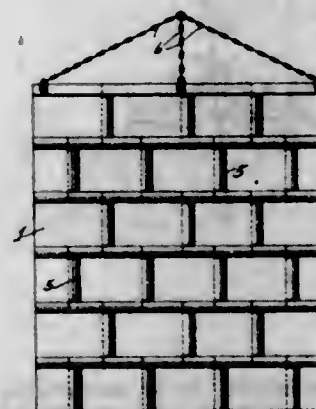
overflow opening therein, a generator cap spaced slightly from said generator, means to feed liquid fuel to said tube, a pipe for gaseous fuel extending upwardly through said tube, means to direct an upward flow of air beneath said generator, a pilot light beneath said generator, said air directing means being effective to deflect the air away from said light.

1,734,449. VENTILATING APPARATUS. CHARLES H. SMITH, Yucaipa, Calif.; George S. Morrell and Harry L. Smith, executors of C. H. Smith, deceased. Filed Aug. 4, 1924. Serial No. 730,085. 1 Claim. (Cl. 98-43.)



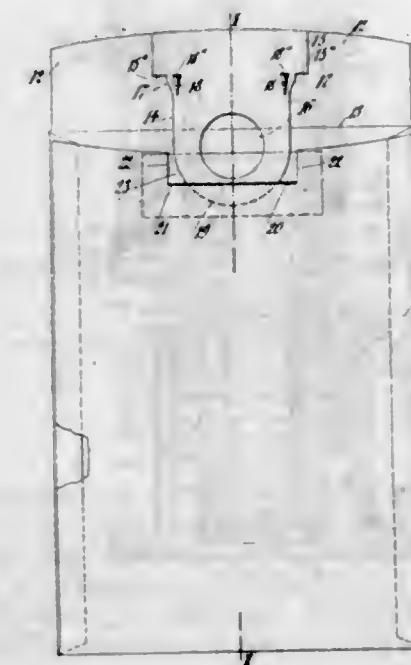
In a ventilating apparatus for ventilating a room and other rooms, the combination of a suction-device having a hood with an outlet sleeve passing through the wall, said hood having a suction inlet within the same room as the hood, and near the floor, and independent suction pipes connecting with the hood at different points and leading to said other rooms to be ventilated.

1,734,450. DAMPER. HERMAN B. SMITH, Plainfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Dec. 23, 1927. Serial No. 242,277. 10 Claims. (Cl. 128-285.)



5. A damper comprising a plurality of sections each having a bulb along one edge and a groove along the opposite edge, and the joints between the ends of sections in successive rows being broken.

1,734,451. BAG OR ENVELOPE. GEORGE C. SNYDER, New York, N. Y., assignor to Kaelma Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 28, 1924. Serial No. 752,667. 11 Claims. (Cl. 229-68.)



8. In a bag or envelope, a body portion having front and back walls, a closure flap, a handle secured to the closure flap and extending through the front wall, and means on the handle for automatically locking it with the front and back walls of the bag as the flap is closed.

1,734,452. PLUNGER LOCK CIRCUIT CONTROLLER. THOMAS GEORGE STILES, Arlington, N. J. Filed June 23, 1927. Serial No. 200,816. 6 Claims. (Cl. 200-158.)

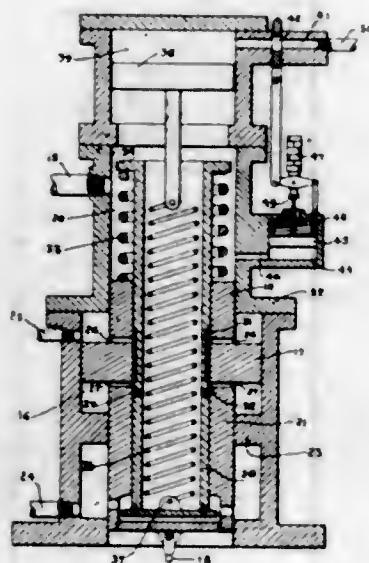


1. A plunger lock circuit controller comprising a housing, a plunger extending into the housing, and means within the housing adapted to make or break an electric circuit upon insertion or withdrawal of the plunger, said means co-operating with the plunger in such a manner as to prevent insertion or withdrawal of the plunger beyond predetermined points.

1,734,453. GOVERNOR. GEORGE C. TAYLOR, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 11, 1925. Serial No. 22,435. 28 Claims. (Cl. 284-14.)

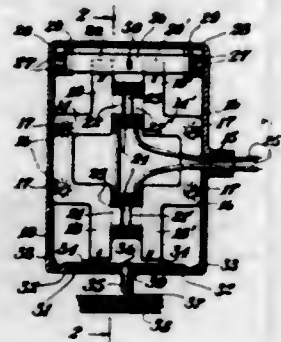
3. In a governing apparatus for controlling an operated member in response to a variable fluid pressure, an element actuated in one direction by the variable fluid pres-

sure, means responsive to the position of said element for controlling the operated member, resilient means for actuating the element in the opposite direction, a floating abutment for the resilient means, said floating abutment being subjected on one side to the governing variable fluid



pressure, and means responsive to the governing variable fluid pressure for imposing a variable back-pressure upon the floating abutment, said back-pressure increasing and decreasing in greater degree than the governing variable fluid pressure.

1,734,454. ELECTRIC PHONOGRAPH REPRODUCER. ADOLPH A. THOMAS, New York, N. Y. Filed Jan. 28, 1928. Serial No. 250,100. 28 Claims. (Cl. 179-100.1.)

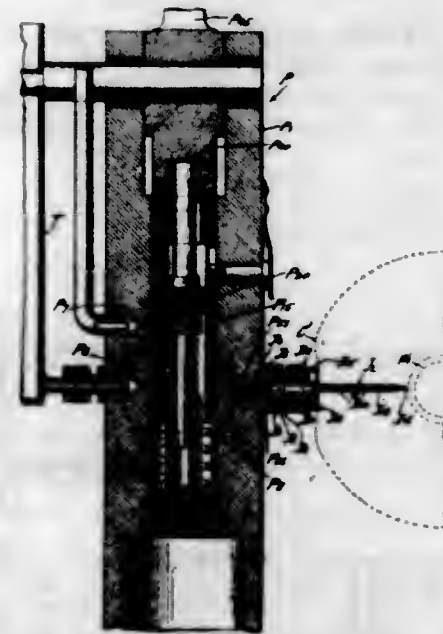


1. In phonographic reproducing mechanism, an arm supported to swing over a record, and an electric reproducing unit mounted on said arm, said unit having a pair of stylus members for selectively playing vertical-cut and lateral-cut records without adjusting the unit on said arm, said unit also comprising means common to both stylus members for producing electric impulses when either member is in playing position.

1,734,455. DYEING APPARATUS. HENRY E. VAN NEEB, Elmira, N. Y. Original application filed Apr. 3, 1923, Serial No. 629,633. Divided and this application filed Dec. 30, 1925. Serial No. 78,323. 3 Claims. (Cl. 8-19.)

1. In apparatus of the class described, the combination of a needle form to provide a longitudinal passage which

is enclosed near the rear end of the needle and to permit lateral egress from said passage through a substantial portion of the length of the needle, and means for thrust-



ing the needle into an absorbent mass so as to bring the front end of the enclosed portion of the passage within the surface of the mass.

1,734,456. RECORDING-WEIGHING-SCALES SWITCH. ALBERT KARLSSON YOGER, New York, N. Y. Filed Apr. 17, 1928. Serial No. 270,732. 3 Claims. (Cl. 200-56.)



1. A recording weighing scale comprising a graduated dial, an oscillatable shaft, a hand carried by said shaft for co-operation with the graduations of said dial, said hand being pivoted to said shaft so as to be adapted to swing in a plane at right angles to the face of said dial, electrical contacts on said dial corresponding with the graduations thereof, a plurality of fingers on said hand in alignment with said contacts and being adapted to move over the same, a contact fixed to said shaft and insulated therefrom but electrically connected with said fingers, and a shiftable circuit closer for co-operation with the contact

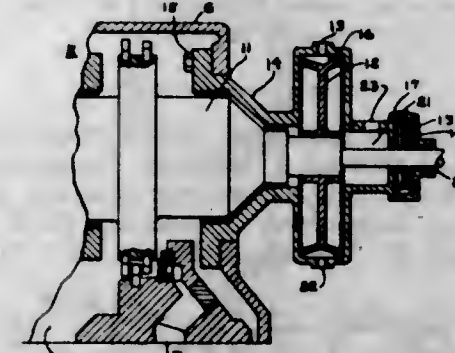
on said shaft for causing contacts to be made between said fingers and the contacts on said dial before it makes an electric contact with the contact on said shaft.

1,734,457. DRY BATTERY. MAX ZERNER, New York, and OTTO KARL REINHARDT, Jamaica, N. Y., assignors, by mesne assignments, to Bond Electric Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Apr. 10, 1928. Serial No. 268,875. 2 Claims. (Cl. 136-123.)



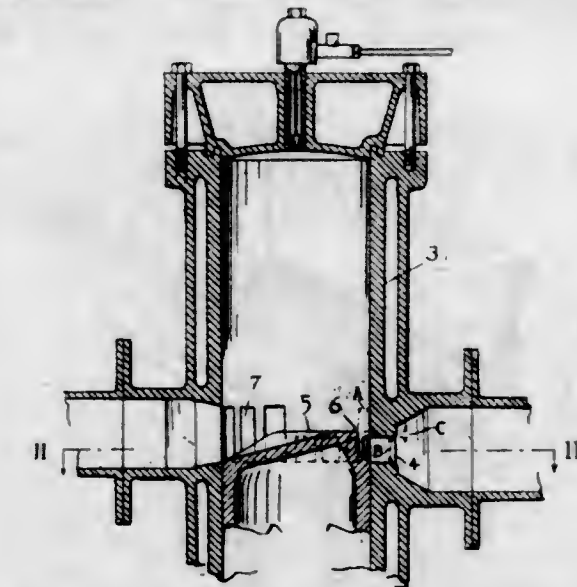
1. A battery bobbin comprising an electrode having depolarizing material surrounding the same, and a cord surrounding said depolarizing material and serving as a spacing member, said cord having its opposite ends overlapping each other and adhesively united to each other.

1,734,458. SHAFT PACKING. ROBERT C. ALLEN, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 17, 1925. Serial No. 87,712. 5 Claims. (Cl. 286-9.)



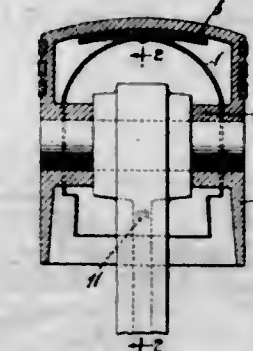
1. In a system for sealing the rotor shaft of an elastic fluid turbine against fluid leakage, the combination of a high pressure turbine, a chamber defining a zone of relatively low pressure associated with the high pressure turbine, a centrifugal liquid sealing element interposed between the pressure zone and the high pressure turbine, means for withdrawing vapor from the pressure zone chamber and maintaining a pressure therein, and means for maintaining a liquid annulus for sealing the pressure zone chamber against atmospheric pressure.

1,734,459. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. CHARLES G. CURTIS, New York, N. Y. Filed Mar. 26, 1927. Serial No. 178,616. 2 Claims. (Cl. 123-65.)



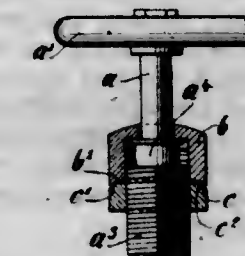
1. A port-scavenged two-cycle engine comprising a cylinder, air inlet ports on one side of the cylinder, exhaust ports on the side opposite, a piston and a baffle on the piston head so arranged and proportioned that the area of the gap between the baffle and the cylinder wall is no more than the total area of the air inlet ports.

1,734,460. PISTON OIL SHIELD. HOWARD AVERY FLAGG, Norfolk, Va. Filed Sept. 5, 1928. Serial No. 304,014. 3 Claims. (Cl. 74-108.)



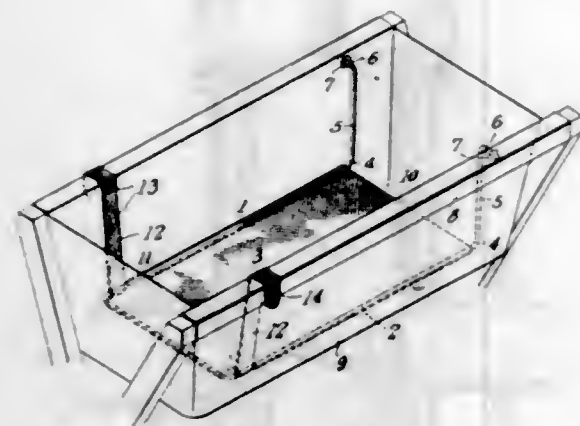
1. In a motor a piston, bosses in the interior of said piston for the wrist pin bearings, a shield in said piston having cut out portions for said bosses to extend through, the bottom edge of said shield only contacting with the interior of said piston at its lower portion and means for securing at the lower portion said shield within said piston.

1,734,461. LOCK NUT. PAUL A. GARRUP, Islip, N. Y. Filed May 26, 1928. Serial No. 280,686. 2 Claims. (Cl. 151-14.)



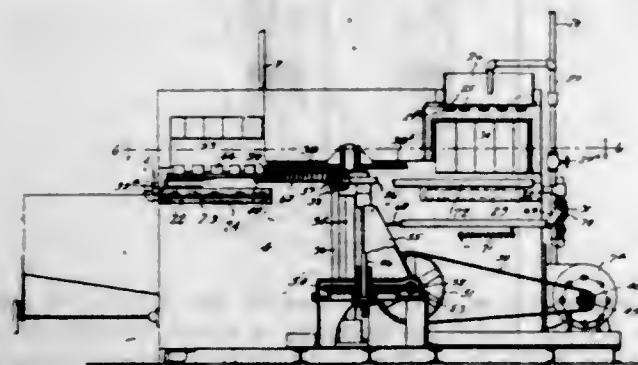
1. A nut-locking device comprising two nuts adapted to be applied to the same threaded element, one having a concave circular portion on its face adjacent the other nut, and the other having at least three sides the upper edges of which are beveled forming corners adapted to seat against the concave portion of the first nut to lock the same.

1,734,462. INFANT'S BATHTUB. JACOB GOTTLIEB, New York, N. Y., assignor to Gottlieb Bros. and Lachman, Inc., New York, N. Y., a Corporation of New York. Filed May 6, 1929. Serial No. 360,733. 7 Claims. (Cl. 4-177.)



1. An infant's bath tub having a sheet for supporting the body, a frame for supporting said sheet comprising a U-shaped rod the ends of which project upwardly to constitute suspenders for the frame, the terminals of said ends being pivoted to the bath tub, and means for suspending the opposite side of said frame.

1,734,463. BOTTLE-CLEANING APPARATUS. JOHN R. GAUSTER, Cleveland, Ohio, assignor, by means assignments, to The Cleveland Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 4, 1921. Serial No. 489,695. 15 Claims. (Cl. 141-7.)

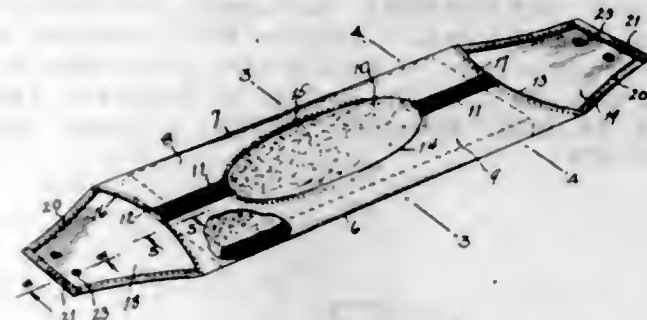


1. In an apparatus for cleaning bottles, the combination of a tank for cleansing solution and a casing above said tank, the said casing being provided with a lower spraying device and an upper spraying device for supplying liquid to bottles therebetween, means for forcing the solution from said tank to the said devices, a turntable having bottle supports at its peripheral portion adapted to pass between the spraying devices, and means for driving said turntable intermittently thereby to bring the bottle supports into register with the said spraying devices, additional spraying devices arranged within said casing and means for supplying a cleaning fluid thereto, means operated by said turntable driving means for limiting the supply of fluid through said last mentioned spraying devices for predetermined periods.

1,734,464. CATAMENIAL APPLIANCE. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y. Filed Dec. 7, 1927. Serial No. 235,293. 1 Claim. (Cl. 128-290.)

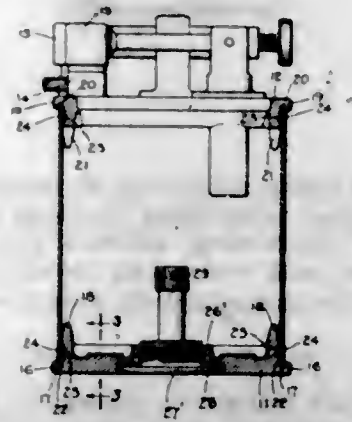
A protector of the class described comprising a tubular envelope like casing open at each end and formed from

a single piece of moisture proof material, the top portions of said casing having a central, elliptical opening to expose the sanitary napkin or pad positioned within the casing, the longitudinal meeting edges of said top portions being joined by reinforcing strips extending from the said



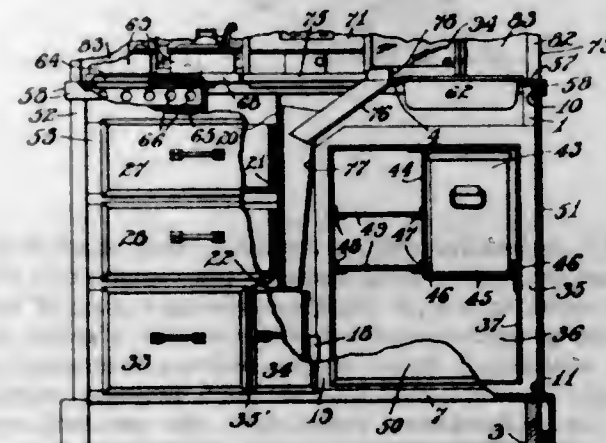
opening to the open ends of the casing, the bottom of said casing having tapered extensions extending beyond the ends of the top portions, a fabric strip attached to each of the said tapered extensions and eyelets at the ends of said extensions whereby the casing may be fastened to supporting means.

1,734,465. CIGAR LIGHTER. CHARLES HARDY, New York, N. Y. Filed Dec. 7, 1928. Serial No. 324,542. 12 Claims. (Cl. 67-7.1.)



12. A lighter comprising an open ended fuel chamber, a closure for said fuel chamber disposed within the open end of said chamber and projecting therefrom, said closure having a groove on a face adjacent the inner face of said chamber, said chamber having an inwardly depressed portion engaging said groove with sufficient rigidity to permanently lock the closure and chamber together, and cementitious sealing means forming an air tight joint between said closure and said chamber.

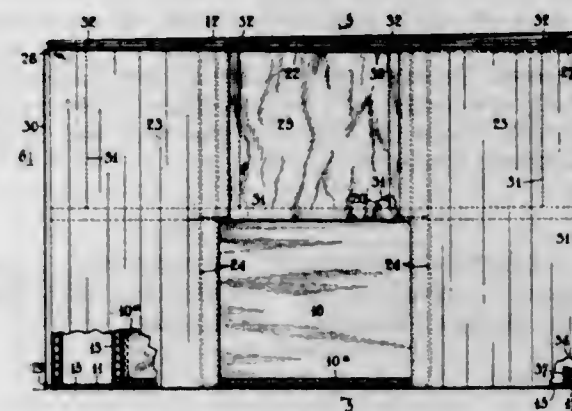
1,734,466. FOOD DISPENSER. FRANK HOKE, GEORGE H. ROSERO, and EDWARD E. COLLISON, Indianapolis, Ind., assignors to Holcomb & Hoke Mfg. Company, Indianapolis, Ind., a Corporation of Indiana. Filed Aug. 18, 1927. Serial No. 213,742. 2 Claims. (Cl. 312-146.)



1. In a food dispensing cabinet, a frame comprising corner posts, top and bottom bracing rails extending between

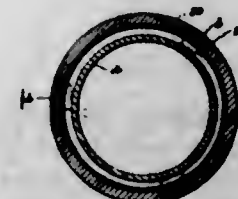
said corner posts on four sides, intermediate bracing rails extending from front to rear and providing drawer slides, an insulated refrigerating compartment formed to one side of said drawer slides, panels secured to said corner rails for enclosing the frame, a top plate mounted on said frame and adapted to receive a plurality of food containers said top plate having an opening therein and a chute extending from said opening and terminating in the interior of said frame.

1,734,467. MOTION-PICTURE SCREEN. ALBERT S. HOWARD, Great Neck, N. Y., assignor to Joseph R. Vogel, New York, N. Y. Filed May 24, 1928. Serial No. 280,153. 9 Claims. (Cl. 88-24.)



1. An apparatus for exhibiting motion pictures including a screen, mask sections disposed adjacent thereto and movable to vary the exposed area of the screen, and a single means for simultaneously operating said mask sections and moving said screen in a direction at right angles to its plane.

1,734,468. OVERSHOT. WINFIELD S. JONES, Brea, and HAROLD U. BAKER, Los Angeles, Calif. Filed May 15, 1925. Serial No. 30,558. 7 Claims. (Cl. 294-90.)

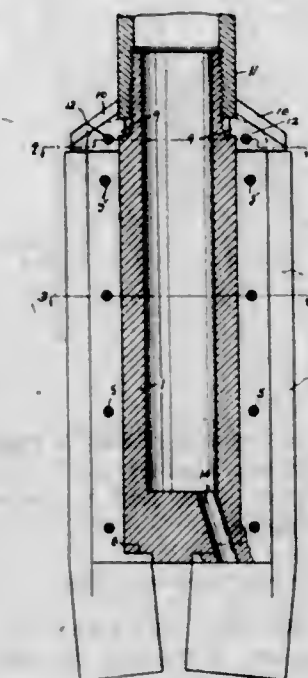


1. An overshot for well tubing including an annular bowl having recesses therein, and coupling engaging dogs in said recesses, said dogs each comprising an elongated body rockably supported at its lower end in the bottom of said bowl.

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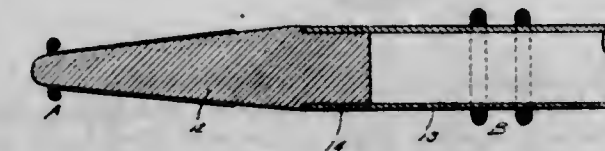
a recess, and said body being formed to provide a greater projection at one edge from the inner face of the bowl than at the other edge and progressively increasing in thickness from the upper end toward the bottom end to provide a cam face for engaging the tubing to be lifted.

1,734,469. DRILL BIT. WILLIAM O. JOURNEY, Houston, Tex.; James Journey administrator of said William O. Journey, deceased. Filed Sept. 16, 1925. Serial No. 50,019. 4 Claims. (Cl. 235-61.)



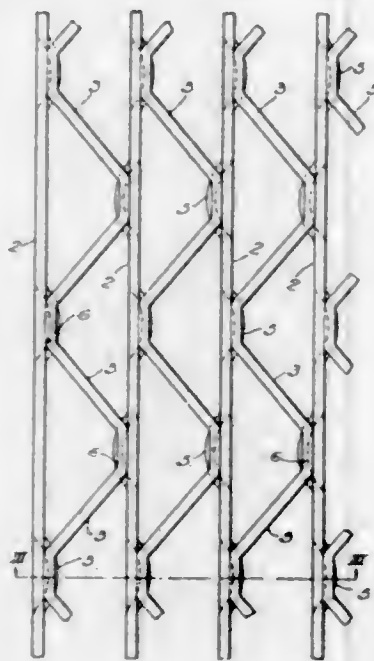
3. A drill bit comprising a head having external grooves spaced apart therearound and extending from end to end thereof, blades seated in said grooves and extending from the upper end of the head to the lower end thereof, said blades extending beneath the lower end of the head, the upper and lower ends of the head having radial grooves aligned with said longitudinal grooves, said extensions extending inwardly and being seated in said lower end grooves, blades seated in said upper end grooves having upper cutting edges which diverge downwardly.

1,734,470. PACKING AND METHOD OF MAKING THE SAME. ROBERT B. KELLOGG, Long Beach, Calif. Filed July 15, 1925. Serial No. 43,775. 4 Claims. (Cl. 154-2.)



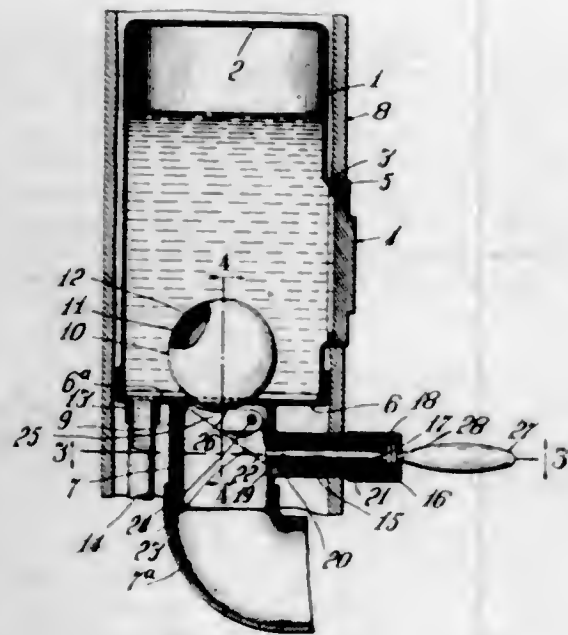
4. The method of making packing including rolling a length of tubular knitted fabric back upon itself from one end to form an endless ring substantially round in cross section and then saturating the fabric with a filling material.

1,734,471. GRATING. FRANK J. BROWN, Pittsburgh, Pa. Filed Aug. 8, 1928. Serial No. 298,356. 7 Claims. (Cl. 94—30.)



1. A reticulated grating comprising a plurality of carrier bars having portions thereof slitted and expanded to form supports for cross bars, and a plurality of cross bars secured to the supports.

1,734,472. FLUSHING APPARATUS. LUTHER E. CONCOON, La Grange, Ill. Filed July 30, 1928. Serial No. 296,150. 1 Claim. (Cl. 4—28.)



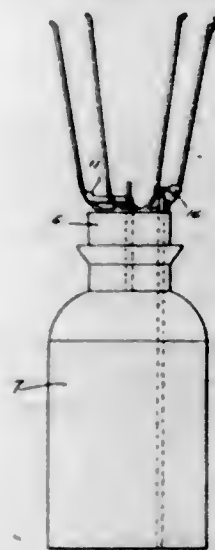
In an apparatus of the kind described a reservoir casing, a discharge member fixed to one end thereof and including a valve seat and a lateral tubular extension, a floatable ball in said reservoir adapted to engage upon said seat, a spring pressed stem and stuffing box in said lateral extension with one end of said stem opening into said discharge member, a lever mounted in said extension and including a handle outside the same for actuating said stem, and a bell crank lever in said discharge member and including a load arm to engage said ball and a power arm disposed in a position to be engaged by said stem.

1,734,473. THERMOSTATIC SWITCH. JOHN J. COMPO, Defiance, Ohio. Filed Feb. 9, 1927. Serial No. 166,901. 2 Claims. (Cl. 200—138.)



1. In a thermostatic switch of the class described, an insulator, a U-shaped base of spring material, means for attaching one end of the bight of the U-shaped base to the insulator, a stationary contact arranged above the base the ends of the base projecting upwardly from said bight, a thermostatic strip having notches formed in its ends with recesses in the side walls thereof to receive the ends of the base to be bound therebetween, said strip being interposed between said base and the contact so that normally the strip at a predetermined temperature bows outwardly from the bight of the base and in engagement with said contact.

1,734,474. LIQUID-DISPENSING APPARATUS. ISAAC H. CRECH, Cumberland, Ky. Filed Apr. 27, 1928. Serial No. 273,258. 1 Claim. (Cl. 225—22.)

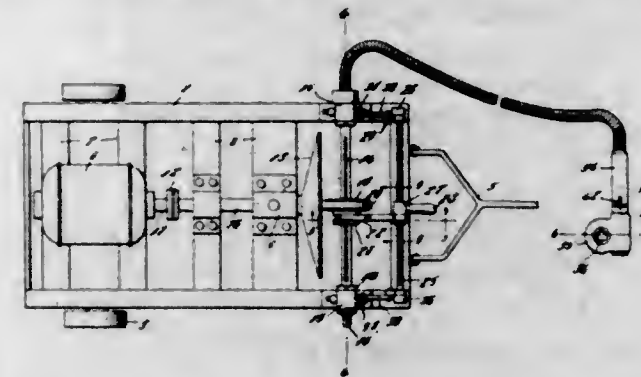


A device of the class described comprising a plurality of supporting legs having a cylindrical plug formed at the upper portion thereof, said plug being arranged for fitting in the neck of a receptacle to form a liquid tight seal therefor and said plug and said leg cooperating to support the receptacle in inverted position, a discharge pipe extending vertically through said plug and communicating with the interior of the receptacle, a vent pipe extending vertically through the plug with its inner end formed with an opening and disposed adjacent the top of the receptacle when in inverted position, a tube disposed within the pipe and adapted for rotary movement, said pipe and said tube having registerable openings at their ends remote from the plug, whereby to control atmospheric communication with the interior of the receptacle, and a lateral extension formed on the outer end of the tube providing a hand grip for manually operating said tube.

1,734,475. WRENCH MACHINE. JOHN L. DEDGE, Port Orange, Fla. Filed Aug. 22, 1928. Serial No. 301,234. 3 Claims. (Cl. 81—54.)

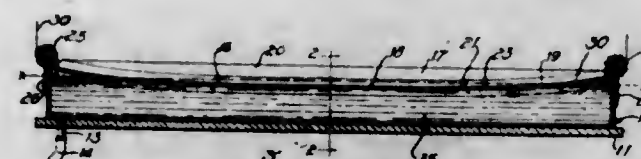
2. In combination, a platform, a drive shaft supported longitudinally thereon, driving means at the rear end of the shaft, a disk on the forward end of the shaft, a driven

shaft supported transversely on the forward portion of the platform, bearing units for the ends of the driven shaft arranged for slidable movement longitudinally on the platform, a member splined on the driven shaft, means for sliding said member on said shaft for varying the speed



and the direction of rotation of the driven shaft when said member is in engagement with the disk, and additional means for moving the driven shaft forwardly or rearwardly on the platform to engage or disengage the member on said driven shaft with respect to the disk.

1,734,476. METHOD OF PRODUCING COLORED FILMS. ROBERT F. ELDER, Los Angeles, Calif., assignor to Binocular Stereoscopic Film Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 22, 1926. Serial No. 96,856. 8 Claims. (Cl. 95—94.)



4. An apparatus for coloring film consisting of: a receptacle for retaining a body of coloring liquid; and guides secured to said receptacle providing film-guiding channels adapted to guide the edges of said film, the ends of said channels being above the normal level of said liquid and the centers of said channels being below the normal level of said liquid, said channels preventing said liquid from reaching the upper side of said film.

1,734,477. CONTAINER. IRVING H. FOWLE, Dorchester, Mass. Filed Mar. 19, 1926. Serial No. 95,832. 3 Claims. (Cl. 229—1.5.)



3. In an ice cream pack, a container having an annular groove adjacent its top, a closure disc removably engaging with said groove, and a spoon member above said closure and having its ends lodged in said groove.

1,734,478. TOP-BOOT AND PROCESS FOR MANUFACTURING. ALFRED A. GLIDDEN and THOMAS M. KNOWLAND, Watertown, and ARTHUR M. GHEIM, Dorchester, Mass., assignors to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed June 11, 1928. Serial No. 284,302. 4 Claims. (Cl. 36—4.)

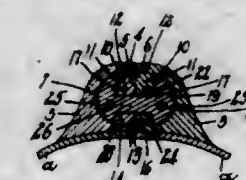
1. A top boot having, in combination, a vulcanized molded foot and leg portion of rubber compound, the

upper end of said leg portion being bevelled, and a vulcanized top portion of rubber compound, the lower end



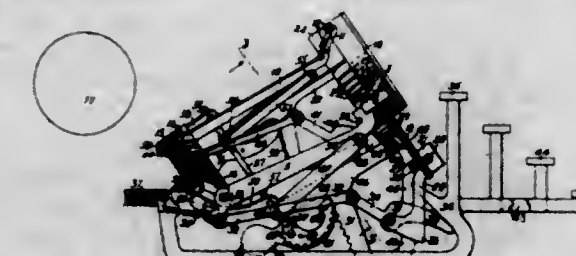
of the top portion being bevelled and attached to the bevelled upper end of the leg portion by vulcanizable adhesive material locally vulcanized thereto.

1,734,479. FASTENING DEVICE FOR OVERSHOES. ROBERT M. GLIDDEN, Watertown, Mass. Filed Feb. 20, 1928. Serial No. 255,550. 8 Claims. (Cl. 24—207.)



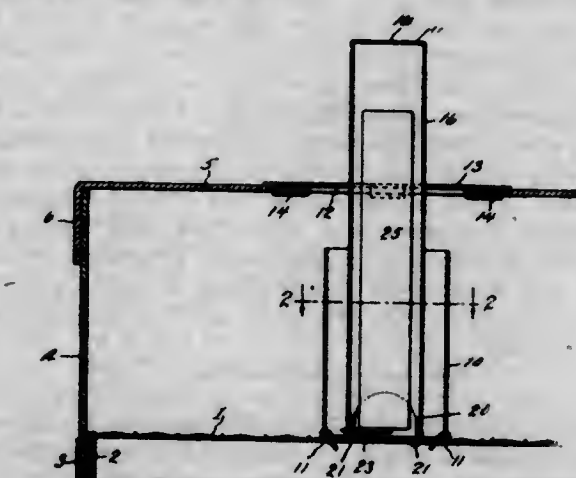
2. A fastening device for shoes comprising, in combination, a pair of flexible strips attached to the shoe upper, both of said strips having a groove in their adjacent edges oppositely disposed to each other, flanges integral with said strips, and a tongue slidable within both of said grooves and adapted to force the edges thereof together, said tongue gripping said flanges and preventing the strips from spreading.

1,734,480. TYPEWRITING MACHINE. GEORGE G. GOINO, Middletown, Conn., assignor to Remington Typewriter Company, Illon, N. Y., a Corporation of New York. Filed Feb. 8, 1928. Serial No. 252,399. 12 Claims. (Cl. 197—25.)



1. The combination of a pivoted typebar, and actuating mechanism comprising a toggle and a pivotally mounted typebar-controlling device geared together, one link of the toggle being pivoted to the typebar and the other to the framework.

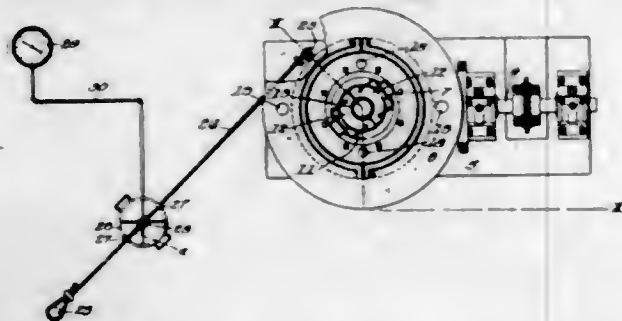
1,734,481. BROODER AND HEATING MEANS THEREFOR. ROBERT A. GORSUCH, Gambler, Ohio, assignor to The Congor Mfg. Company, Gambler, Ohio, a Corporation of Ohio. Filed Jan. 26, 1927. Serial No. 163,695. 6 Claims. (Cl. 119—32.)



1. In a brooder, the combination of a bottom wall, a top wall spaced thereabove and having an opening, a substan-

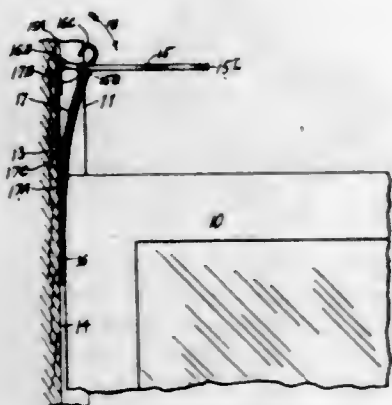
ially flat metallic plate disposed across said opening and located on one side of the top wall and having integral parts struck from its peripheral portion and extending through and contacting with the sides of the opening and engaged with the other side of said wall, said plate having an aperture, a drum supported on the bottom wall beneath the opening in the top wall, and a casing enclosing a combustion chamber situated inside of said drum and projecting upwardly through the aperture of said plate.

1,734,482. ROTARY WITH POWER-MEASURING MEANS. EDGAR E. GREVE, Bellevue, Pa. Filed July 7, 1928. Serial No. 291,116. 4 Claims. (Cl. 253-35.)



1. The combination with a rotary having a plurality of revoluble members, one of said members carrying pipe make-up means, and the other member having power measuring and back-up means connected therewith.

1,734,483. WINDOW WEDGE. JOHN H. GRININGER, St. Paul, Minn. Filed Mar. 26, 1928. Serial No. 264,756. 1 Claim. (Cl. 292-343.)

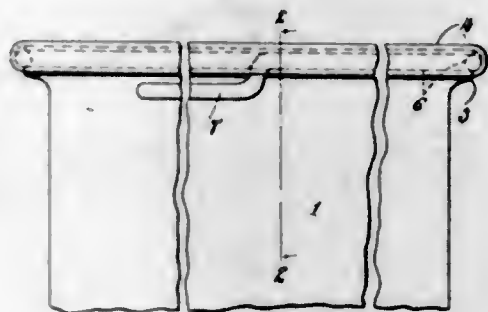


An expanding wedge comprising a main wedge member of flat metal folded at approximately its center to form the point of the wedge, one end of said main wedge comprising a transverse bearing, a secondary wedge member within the upper part of the main wedge and comprising a similar flat bar formed with a transverse bearing at its middle and two arms normally flat against each other below said bearing, the other end of said main wedge formed in inverted U-shape and opening toward its adjacent bearing but in spaced relation upwardly thereof and arranged to frictionally engage the bearing of the secondary wedge, an elongated forked handle with two spaced transverse shafts fixed in the lower part of its fork, said bearing of the main wedge arranged to engage the outermost of said shafts of the handle and said bearing of the secondary wedge arranged to engage the other shaft normally above the first bearing.

1,734,484. CONTAINER. JAMES E. GUNTER, Baltimore, Md. Filed Jan. 30, 1926. Serial No. 84,826. 8 Claims. (Cl. 220-50.)

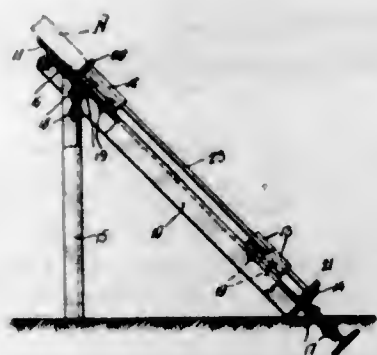
1. A container seam for the end of a container comprising, container wall flaring outwardly toward said end, a retain-

ing ring surrounding said outwardly flaring container wall near said end, said ring having a projecting handle, means projecting from said outwardly flaring container wall to hold said ring outwardly thereon, the periphery of the



portion of said outwardly flaring wall within said ring being greater than that of the container wall below said means, and a cap having a down-turned wall partially surrounding said ring laterally and firmly holding it against said container wall.

1,734,485. DEVICE FOR ASSEMBLING METAL GRIDS. SAMUEL GURMAN, Yonkers, N. Y. Filed Feb. 24, 1928. Serial No. 256,601. 3 Claims. (Cl. 29-89.)

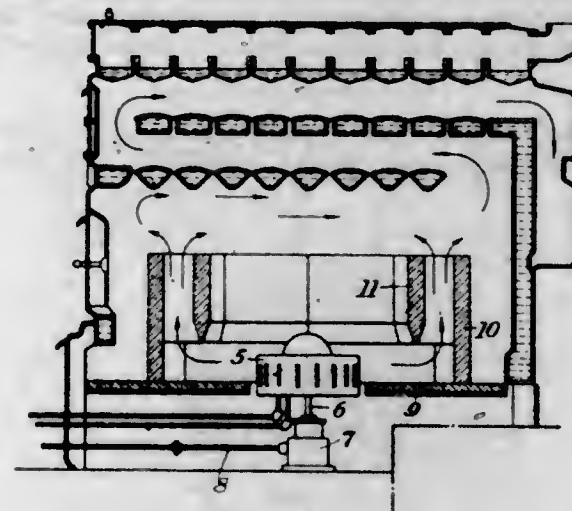


1. A device for assembling a grid comprising a support having a plurality of supporting members, each said supporting member being provided with guide means adapted to hold a transverse grid member having a reduced neck at each end thereof thereon, said device also having at the ends of said supporting members a retaining flange adapted to hold a longitudinal perforated grid member against movement in a direction parallel to said supporting members, so that said transverse grid members can be assembled with their reduced necks fitting into the perforations of said longitudinal grid member, said support extending beyond the reduced necks of said transverse grid members after they have been so assembled with the longitudinal perforated grid member, so that said support can also hold in position a second longitudinal perforated grid member, through whose perforations the adjacent reduced necks of the transverse grid members can extend.

1,734,486. FUEL-BURNING APPARATUS. CLARENCE E. HAWKE, Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed June 18, 1926. Serial No. 116,259. 14 Claims. (Cl. 158-4.)

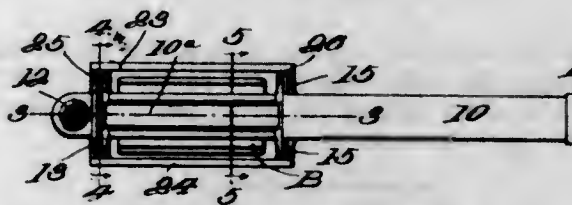
1. Apparatus for burning fuel including a centrally positioned fuel distributor, and a double-walled radiating

combustion chamber disposed around the distributor in spaced relation thereto and having openings at the bottom



thereof directed toward the fuel distributor, the space between the walls forming a passageway for the combustion gases.

1,734,487. RAZOR-BLADE STROPPER. ROBERT H. INGERSOLL, New York, N. Y.; Charles S. Smith, Lansing, Mich.; and Frederic C. Leubuscher, Essex Falls, N. J., executors of said Robert H. Ingersoll, deceased, assignors to Robt. H. Ingersoll, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 24, 1925. Serial No. 58,371. 5 Claims. (Cl. 51-218.)



1. In a blade holder for razor blades for use during stropping, a pair of handle sections having blade clamping portions and transversely extending stop portions thereon cut away to expose the guard to permit a limited lateral play therewith, releasable means to secure said handle sections together, and a solidly united resiliently supported guard connected to one of said handle sections and adapted to be limited in its resilient movement by said stop portions of said handle sections.

1,734,488. BUMPER CLAMP. HERBERT S. JANDUS, Detroit, Mich., assignor to General Spring Bumper Corporation, Detroit, Mich., a Corporation of Michigan. Filed Mar. 25, 1929. Serial No. 349,544. 10 Claims. (Cl. 293-55.)

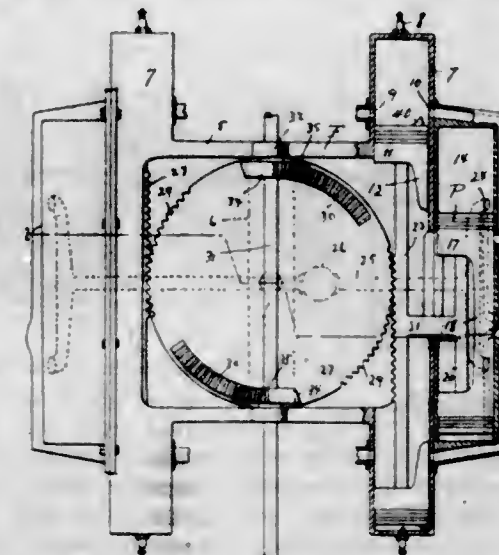


1. The combination with a clamp plate having an aperture therein, of a bolt having a shoulder positioned in said aperture, said bolt having the metal of said shoulder crushed down to extend over the edge of said aperture.

1,734,489. INTERNAL-COMBUSTION ENGINE. PAUL JENES, Ekalaka, Mont. Filed Nov. 26, 1928. Serial No. 321,956. 5 Claims. (Cl. 123-56.)

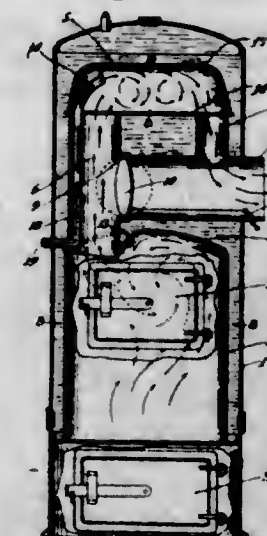
1. In an internal combustion engine, a frame comprising transverse members, a longitudinal member connecting the centers of the end members, explosive cylinders

on the frame, one at each end of each end member, said cylinders projecting outwardly from and longitudinally of the frame, a piston in each cylinder, a pair of rack bars connecting the oppositely disposed pistons in pairs, compression cylinders on the sides of the frame one adjacent each explosive cylinder, pistons in the compression cylinders, means connecting the second mentioned pistons with the rack bars, a disk rotatable on the longitudinal member and having peripheral teeth meshing with the rack bars, a disk rotatable on the longitudinal member



and having peripheral teeth meshing with the rack bars and oppositely disposed arcuate gear segments on one surface, a shaft journaled across the end members, wheels on the shaft and having oppositely disposed gear teeth meshable with the gear segment, each pair of compression cylinders having a connecting wall formed with passages leading from the inner ends of the compression cylinders to points past the center of the wall, each pair of pistons in the compression cylinders having a connecting member formed with passages leading inwardly from the pistons to terminate short of the center of the connecting member.

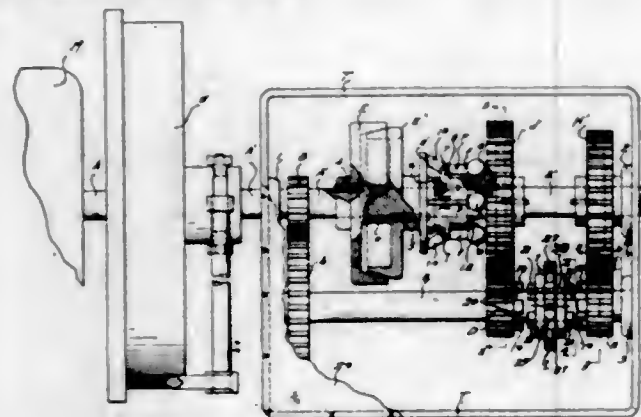
1,734,490. WATER HEATER OR BOILER. VIRGIL O. JONES, Decatur, Ill., assignor of one-half to WILLIAM C. JONES, Niantic, Ill. Filed June 5, 1926. Serial No. 113,874. 10 Claims. (Cl. 122-155.)



1. A heater of the character described including, in combination the following elements, a heater casing, a combustion chamber therein, a secondary combustion chamber located above said first-mentioned combustion chamber, an upwardly extending flue connected to said two combustion chambers, an outlet flue, a connection from said secondary chamber to said outlet flue, all of said parts having watertight joints and adapted to be surrounded with water within the casing so that the water is heated by contact with the walls of the combustion

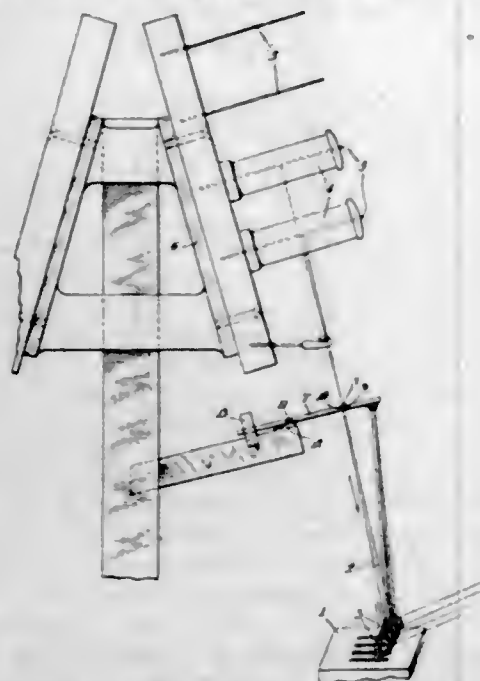
chambers and the flues specified, an air supply conduit entering said upwardly extending flue near the bottom thereof and extending along the side of the same and having an open end within said secondary combustion chamber.

1,734,491. TRANSMISSION. REX E. KELLER, Los Angeles, Calif. Filed May 25, 1927. Serial No. 194,207. 7 Claims. (Cl. 74-97.)



1. A transmission mechanism comprising a drive shaft, a driven shaft, a clutch constructed with one member fixed on said drive shaft and its other member slidably mounted on said driven shaft, a counter shaft, a pinion fixed on said drive shaft, a gear fixed on said counter shaft in mesh with said pinion, a pinion loosely mounted on said counter shaft, a clutch slidable on and fixed to the counter shaft for operably connecting said loosely mounted pinion to and for rotation with said counter shaft, a gear loosely mounted on said driven shaft in mesh with said loosely mounted pinion, means for automatically clutching said loosely mounted gear to said driven shaft when said driven shaft is driven through said loosely mounted pinion and loosely mounted gear, a governor on said driven shaft, a means actuated by said governor for urging said slidable clutch member into engagement with said fixed clutch member for causing said drive shaft to drive said driven shaft directly when said driven shaft is driven a predetermined speed through said loosely mounted pinion, gear and automatic gear clutching means, and said automatic clutching means being constructed and arranged to release the loosely mounted gear from the driven shaft when the driven shaft is clutched to and driven by said drive shaft.

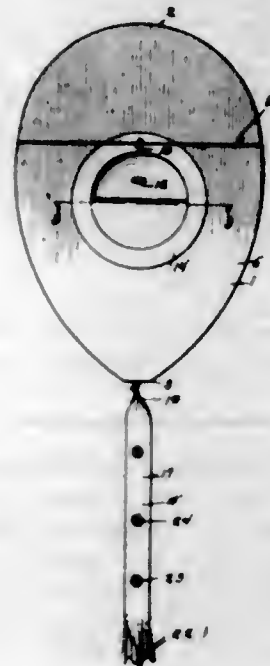
1,734,492. STOP-MOTION ACTUATING MECHANISM. WALTER M. KIDDER, South Harswell, Me. Filed Jan. 29, 1927. Serial No. 164,447. 4 Claims. (Cl. 242-36.)



4. In combination, a stop motion for a machine in which thread is fed along, which stop motion is normally

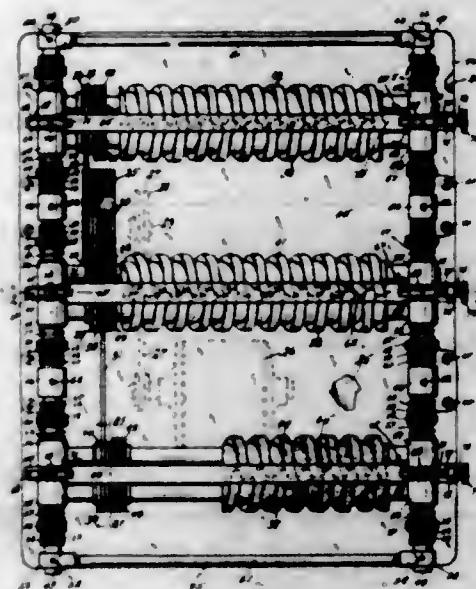
held in inoperative position by the tension of the traveling thread, and a knot catcher located in the path of thread travel and movable when thread imperfections contact therewith and connected to the stop motion to operate the stop motion upon contact with a thread imperfection.

1,734,493. KITE. LEVI KNOTT, Altoona, Pa. Filed Nov. 9, 1927. Serial No. 232,157. 8 Claims. (Cl. 244-22.)



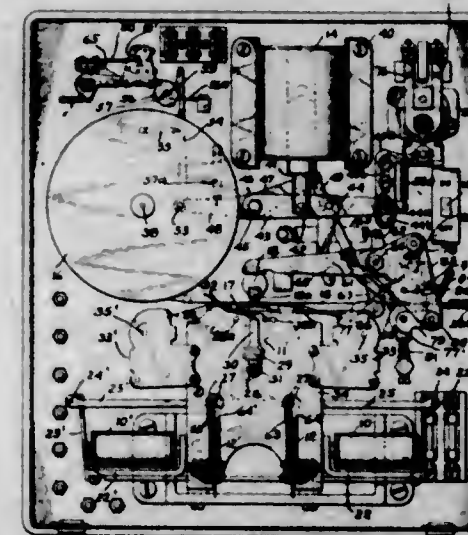
1. A kite including a plane body, and a stabilizing air-pocket upon the upper side thereof having its mouth opening at the under side of the body, the pocket having an air outlet opening in its forward side.

1,734,494. MACHINE FOR SHARPENING BLADES. ALFRED A. KOHLMILLER, Los Angeles, Calif. Filed July 30, 1927. Serial No. 209,406. 8 Claims. (Cl. 51-80.)



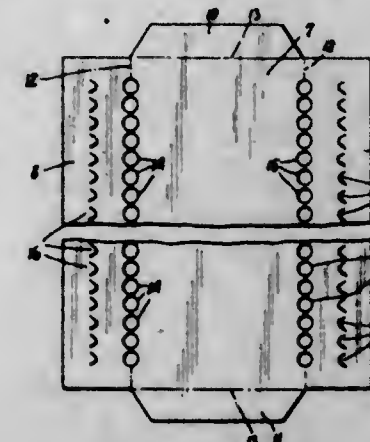
1. A machine for sharpening blades including supports, parallel rods secured in said supports, pairs of bearings slidably mounted on said rods; stabilizing springs connected to the under side of each pair of bearings for stabilizing them, other springs mounted on said rods for forcing the bearings of each pair of rolls toward one another, pairs of rolls having their ends journaled into said bearings and wedge bars passing through slots in said rods and interposed between the bearings of each pair of rolls, said bars movable to separate the bearings or to permit them to be forced near one another by said springs.

1,734,495. AUTOMATIC-OIL-SWITCH TIME RECORDER. CLINTON E. LARRABEE, Binghamton, and LAURENCE S. HARRISON, Tuckahoe, N. Y., assignors to International Time Recording Company of New York, Endicott, N. Y., a Corporation of New York. Filed Nov. 21, 1927. Serial No. 234,657. 8 Claims. (Cl. 234-36.)



1. In combination a circuit breaker, a printing element carrying type indicative of open and closed positions of said breaker and means controlled by the movement of the breaker to its alternative position to set the type element and effect printing from the same.

1,734,496. MECHANICAL MEMORANDUM AND METHOD OF MAKING THE SAME. MALVIN LICHTER, New York, N. Y., assignor to Malvin Lichter Inc., a Corporation of New York. Filed Aug. 13, 1928. Serial No. 299,274. 7 Claims. (Cl. 116-135.)

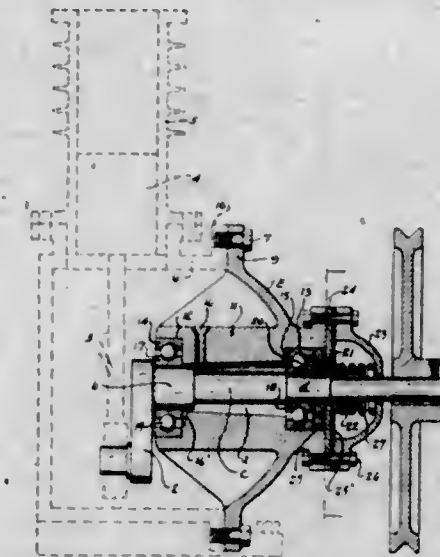


1. A mechanical memorandum comprising a body portion of sheet material provided with flanges bent back upon it and further provided with end flaps bent to overlap portions of said flanges in order to hold said flanges in position, said body portion being provided with openings and with slots, and a plurality of separate slides each provided with a portion extending through one of said openings and one of said slots, each slide being thus supported upon said body portion and movable by hand relatively thereto so as to enable one of said slides to be distinguished from others by the position it occupies, said body portion being further provided with indicating marks, so positioned relatively to said slides as to be easily identified by aid of said slides when said slides occupy certain predetermined positions.

1,734,497. SEALING MEANS FOR REFRIGERATING MACHINES. ALEXANDER S. LIMPET, Bay Shore, N. Y. Filed Nov. 26, 1928. Serial No. 150,795. 4 Claims. (Cl. 286-11.)

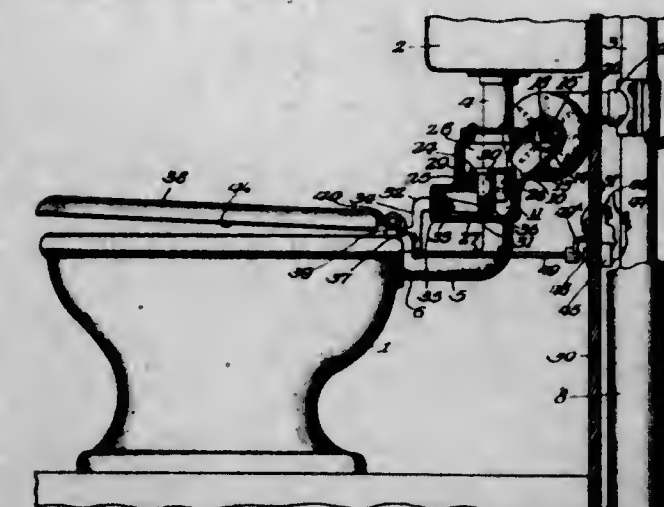
1. A sealing means for compressor shafts of refrigerating machinery, comprising a main shaft concentrically mount-

ed in an anti-friction bearing, which is adapted to take up the thrust of said shaft, said bearing having inner and outer raceways and rolling elements mounted therebetween, a housing through which said shaft projects and sealing means having a gas-tight fit with the outer end of the inner raceway of the bearing for preventing the escape



of fluid through the joint between the shaft and the housing, said sealing means including a spring-pressed gasket, a floating metallic washer mounted on said shaft and interposed between the outer end of said inner raceway and said gasket, which ring is adapted to permit of a film of lubricant being maintained between the inner face thereof and the adjacent face of said inner raceway.

1,734,498. VENTILATING AND FLUSHING APPARATUS FOR WATER-CLOSETS. CHARLES J. MAJUSKAS, Chicago, Ill. Filed May 17, 1928. Serial No. 278,535. 6 Claims. (Cl. 4-213.)

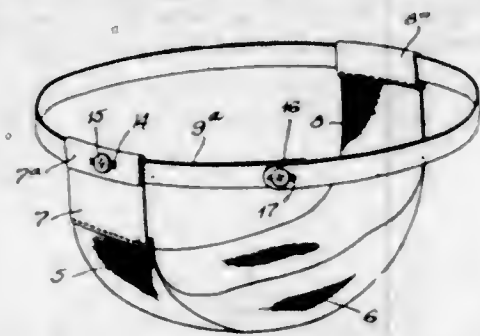


1. In an apparatus of the class described, the combination of a flush-pipe forming a passage adapted to be connected with an opening in and leading to the interior of a closet bowl, a valve for controlling said fluid passage, a casing attached to said pipe and forming an air passage which is connected with said passage in the flush pipe, a fan connected with said air passage and adapted to cause a current of air to pass from the interior of said bowl through said opening in the bowl and through said flush-pipe passage and connected air passage, for ventilating the bowl, a valve in said bowl-ventilating air passage, and automatic valve-operating means located outside of said flush pipe, for controlling said air passage independently of said flush-pipe passage-controlling valve.

1,734,499. SANITARY NAPKIN. DAVIS MARINSKY, New York, N. Y. Filed Dec. 4, 1928. Serial No. 323,595. 2 Claims. (Cl. 128-291.)

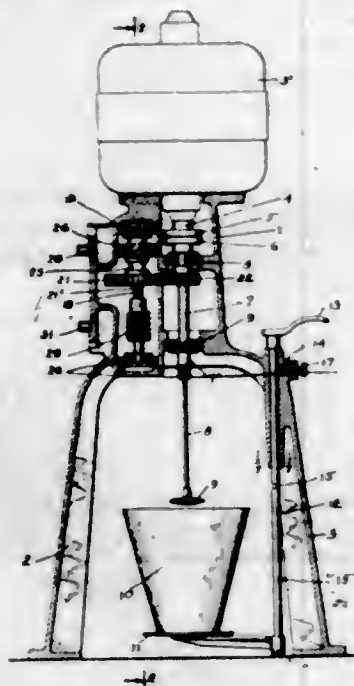
1. The combination with a sanitary napkin, of means constituting a unit part of the structure thereof for sup-

porting the same upon the body of the wearer, said means involving a body encircling band supporting one end of the napkin and with which the other end of the napkin is



detachably coupled when said band is in operative position, said last named end of the napkin being folded around the band and detachably attached thereto in a relatively fixed position when said band is in operative position.

1,734,500. HOUSEHOLD MOTOR WITH ATTACHMENTS THEREFOR. JOSEPH E. ROGERS, Mamaroneck, N. Y., assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Apr. 8, 1925. Serial No. 21,577. 6 Claims. (Cl. 259-130.)

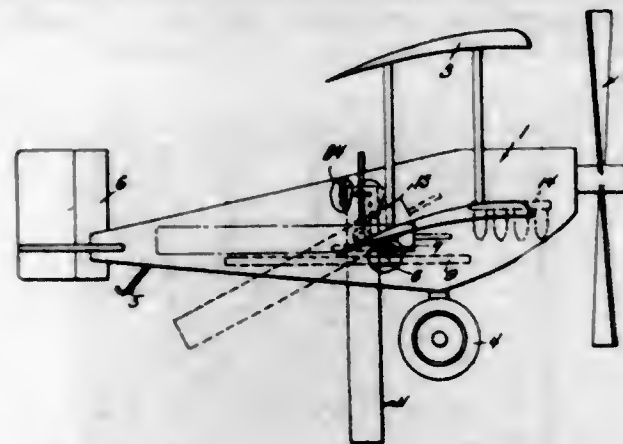


1. A household power assembly comprising a stand, a driving motor supported thereon, a vertically disposed main shaft driven by said motor, a vertically disposed facing on said stand for mounting various appliances, a plurality of horizontal driving shafts journaled in said stand having their ends extending outside of the limits of said stand and within said facing, means on the ends of said latter shafts for connecting each of them separately to the drive means of said various appliances, a counter-shaft for driving said driving shafts at different speeds, and means for connecting and disconnecting said counter-shaft to said main shaft at will.

1,734,501. GUN. GEORGE A. SCHWOEBEL, Bordentown, N. J. Filed June 27, 1927. Serial No. 201,772. 9 Claims. (Cl. 89-1.)

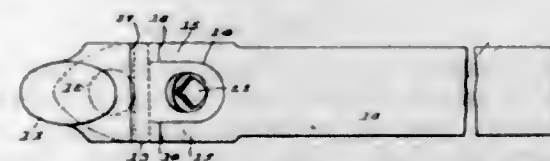
1. In a gun of the class described, a barrel, a rack longitudinally movable in the barrel and of hollow form, a shaft mounted transversely of the barrel, a pinion upon the shaft meshing with the rack, a plunger rod mounted for longitudinal movement in the rack, a spring urging the rod in a downward direction longitudinally in the rack, means carried by the said plunger rod for gripping engagement with a projectile within the barrel,

means carried by the rack for holding the said plunger rod retracted against the tension of said spring, means manually operable to render the holding means inactive,



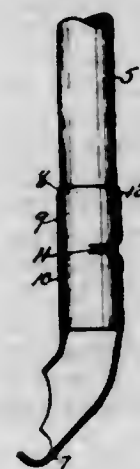
and means in the path of movement of the projectile gripping means to render the same inactive upon movement of the plunger rod under the influence of the said spring.

1,734,502. TOOL HOLDER WITH TOP LOCK. OLE SEVERSON, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 25, 1927. Serial No. 178,184. 7 Claims. (Cl. 29-100.)



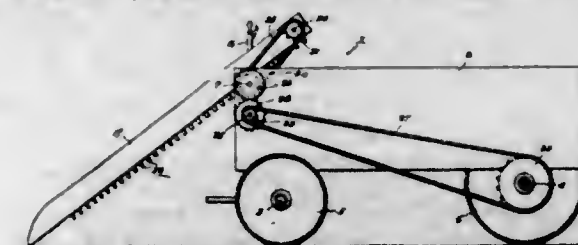
2. In a cutting tool, an elongated lathe-type holder having an opening in the outer end thereof; projecting abutments at the outer end of said tool forming a recess therebetween; a tool having a shank mounted in said opening and having plane bearing surfaces arranged opposite said abutments; a locking member adjustably mounted in said recess; and wedging means movable with said member and arranged between said bearing surfaces and said abutments whereby adjustment of said member causes said wedging means to securely lock said tool in position and prevents twisting thereof about its shank.

1,734,503. HANDLE SOCKET. CURTIS F. SMITH, West Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed May 15, 1925. Serial No. 30,447. 2 Claims. (Cl. 306-29.)



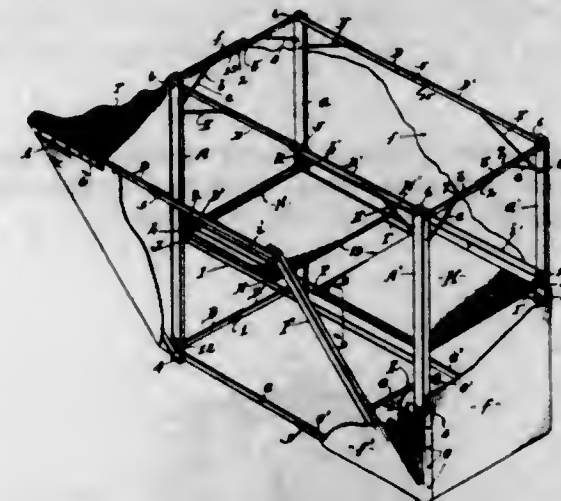
1. A socket formed of metal having a lengthwise slit along one side, and an indentation extending crosswise and circumferentially partially around the socket as a stiffening element to prevent spreading at said lengthwise slit.

1,734,504. COTTON HARVESTER. ENOCH G. STONE, Piedmont, Okla. Filed Feb. 28, 1927. Serial No. 171,544. 5 Claims. (Cl. 56-33.)



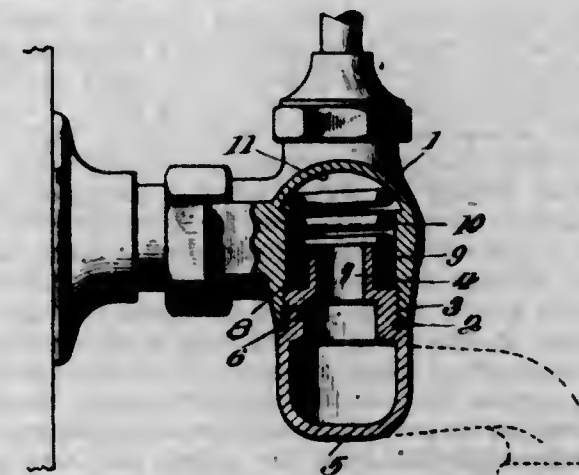
1. In a cotton harvester, a pair of spaced inclined arms, an endless chain adapted to travel over and beneath each arm, cotton boll gathering fingers hingedly secured to the chain, said fingers being disposed downwardly in a vertical position while moving beneath each arm, and means for swinging the fingers outwardly to a substantially horizontal position as the same reach the forward end portion of each arm prior to the chain travelling upwardly on the upper face of the respective arm.

1,734,505. SUN-BATH CABINET. ANDREW SWANFELDT, Los Angeles, Calif. Filed Apr. 23, 1927. Serial No. 186,082. 12 Claims. (Cl. 174-177.)



1. A sun bath cabinet including a collapsible frame composed of upright members at the corners pivotally and collapsibly connected together at their upper and lower extremities, one side of said frame being tiltable at selected angles with respect to said upright members, a fabric covering extended around the sides of and secured to said frame for providing an open top for admitting the sun's rays to the interior of the cabinet, and means operable from the interior of the cabinet for adjusting the angle of said tiltable side.

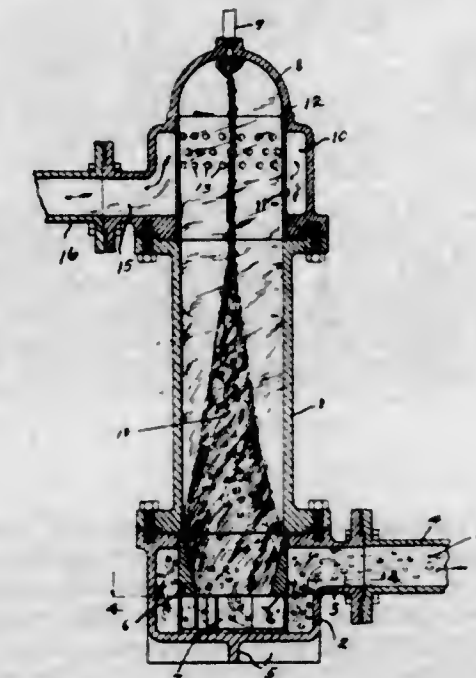
1,734,506. FAUCET. ALBERT ULMAN WALTER, Baltimore, Md., assignor to Baltimore Valve Corporation, Baltimore, Md., a Corporation of Maryland. Filed June 10, 1927. Serial No. 197,874. Renewed Sept. 21, 1929. 4 Claims. (Cl. 137-111.)



1. The combination of a body portion, a nozzle connected to said body portion so as to swing on said body

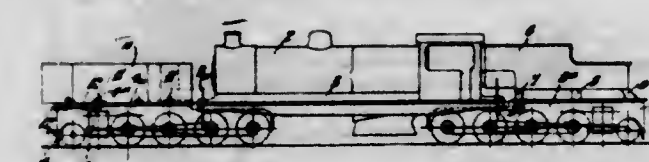
portion for use, a packing adapted to engage the nozzle and body portion, a spring adapted to compress the packing, said spring and packing being disposed between a portion of the body and a portion of the nozzle whereby when said nozzle is connected to the body the spring will be compressed to force the packing against the nozzle and body portion and maintain a tight joint for various angular positions of the nozzle and take up any wear on the packing incident to the swinging of the nozzle.

1,734,507. GAS AND LIQUID SEPARATOR. LESTER L. WESTLING and MILLARD R. HICKMAN, Oakland, Calif. Filed Oct. 23, 1928. Serial No. 314,348. 9 Claims. (Cl. 183-2.5.)



1. A separator of the character described comprising an upright cylinder provided with a plurality of spirally arranged inlets spaced around its lower end, an annular chamber connecting said spiral inlets and provided with a supply inlet, said cylinder provided with a gas discharge port at the top of the cylinder and a plurality of outlet ports formed around the inner circumference of the cylinder below said discharge port.

1,734,508. ARTICULATED LOCOMOTIVE. ROBERT HARBEN WHITELEGG, Disley, England. Filed June 28, 1928. Serial No. 288,870, and in Great Britain Dec. 29, 1927. 3 Claims. (Cl. 105-175.)

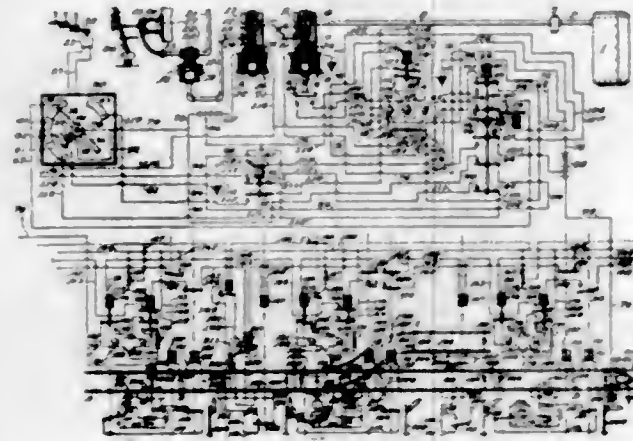


1. Articulated locomotives of the type having a water or fuel tank located in front of the boiler smokebox, wherein said tank is movable upon, but without disconnection from, its supporting frame to give access to the boiler tubes.

1,734,509. TRAIN-STOPPING AND SPEED-CONTROL-LING MECHANISM. FRANK C. WILLIAMS, Philadelphia, Pa. Filed May 12, 1924. Serial No. 712,520. Renewed Apr. 1, 1929. 15 Claims. (Cl. 246-48.)

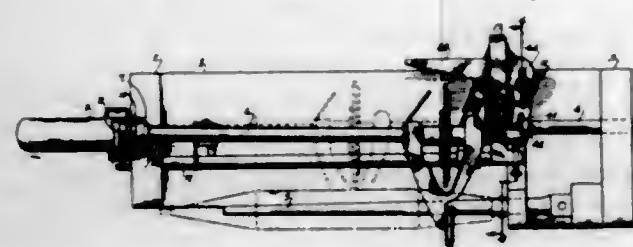
1. In a train speed controlling apparatus, the combination with an air brake system comprising a train pipe, an electromagnetic stop valve and an electromagnetic speed reducing valve, both of said valves being inoperative when energized and operative when deenergized to apply the brakes and a battery carried by the train, one side of

which is connected to said stop valve and thence to ground and the other side of which connected to a rail of the track, of a track signal system operative to automatically display a "danger" signal at the beginning of a block occupied by a train and a "caution" signal at the beginning of the block last cleared by the train, a short insulated rail-section near the end of each block, an electrical connection having two branches from said short-rail to ground, a resistance in one of said branches and a wayside battery in the other of said branches, means to automatic-



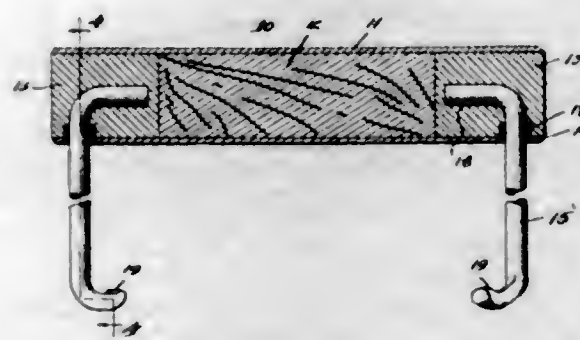
ally break the circuit through both of said branches by said signal system when the signal of the block next in advance is set to "danger," and means controlled by said signal system to close a circuit from said short-rail section to earth through said resistance and to cut said wayside battery out of said circuit when the said signal is set to "caution" and to throw said wayside battery into and said resistance out of circuit with said short-rail-section when neither said "danger" nor "caution" signal is displayed.

1,734,510. WINDER-COP FORMER. LAWRENCE ZENI, Scranton, Pa., assignor of one-half to Clarence D. Thomas, Archbald, Pa. Filed Sept. 27, 1928. Serial No. 308,799. 7 Claims. (Cl. 242-34.)



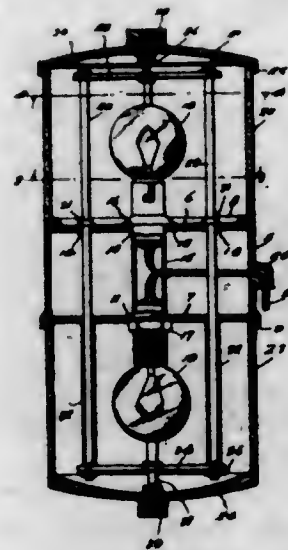
1. In a winding machine the combination with a support, of a rotating spindle, a traverse bar comprising two sections one of which is slidable in fixed bearings in said support parallel to the axis of said spindle, a thread guide and progression wheel in screw threaded connection with the other section, a pin and slot connection between the adjacent ends of said sections, a bearing for the other end of the said other section, means for adjusting said bearing toward and from the axis of said spindle, stop mechanism mounted on the first named section, and means for adjusting said mechanism to control the position of the adjacent end of the first named section relative to the axis of said spindle.

1,734,511. BATTERY CARRIER. GERALD H. ALLEN, Kalamazoo, Mich. Filed Oct. 16, 1926. Serial No. 141,956. 1 Claim. (Cl. 16-114.)



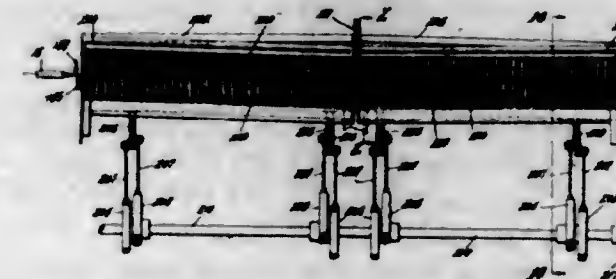
A battery carrier consisting of a grip member having hooks fixed thereto and insulated from each other, said hooks being formed of rods having their free ends bent at substantially right angles to the shank, said bent ends extending parallel to each other in opposite directions and at an angle with the axis of the grip, and an upwardly projecting spur on the end of each hook.

1,734,512. AUTOMOBILE TURNING SIGNAL. BENNIE H. ALSOP, Tillamook, Oreg. Filed Feb. 8, 1929. Serial No. 338,457. 4 Claims. (Cl. 177-329.)



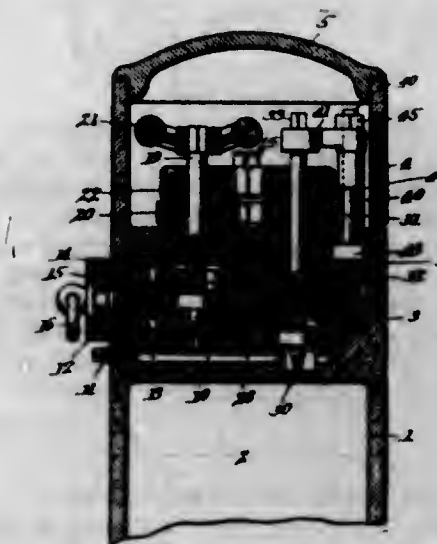
2. A signal device of the class described including a cylindrical core with a top plate and a bottom plate, said plates having central openings and off center apertures, a transparent cylinder rising from the top plate, transparent cylinder depending from the lower plate, caps on the ends of the transparent cylinders, a double lamp socket extending through the central openings, means for holding the socket in place, incandescent bulbs in the ends of the socket, a spider in the upper transparent cylinder, tie rods passing through apertures in the spider and through the apertures of the plate, having shoulders resting on the top plate, sleeves about the tie rods in the lower transparent cylinder, a spider on the lower end of the tie rods, nuts engaging the second mentioned spider on the tie rods, caps on the ends of the transparent cylinders, threaded shanks projecting from the spiders, and nuts extending through the centers of the caps and threadedly engaged on the shank.

1,734,513. HARNESS MECHANISM FOR LOOMS. EARL F. BALDWIN, Gardner, Mass., assignor to American Fibre Corporation, Gardner, Mass., a Corporation of Massachusetts. Original application filed Dec. 12, 1921, Serial No. 521,624. Divided and this application filed Nov. 25, 1922, Serial No. 603,340. Renewed Apr. 27, 1928. 9 Claims. (Cl. 130-55.)



1. In a loom, shedding mechanism comprising harnesses, and mechanism for actuating said harnesses to cause closing of the shed to take place progressively in opposite directions between the sides and center of the shed.

1,734,514. CONTAINER FOR FLUID UNDER PRESSURE. GEORGE A. BENSON and FRANK SCHOLL, Norfolk, Va. Filed Jan. 26, 1927, Serial No. 163,698. Renewed Aug. 5, 1929. 17 Claims. (Cl. 221-73.5.)

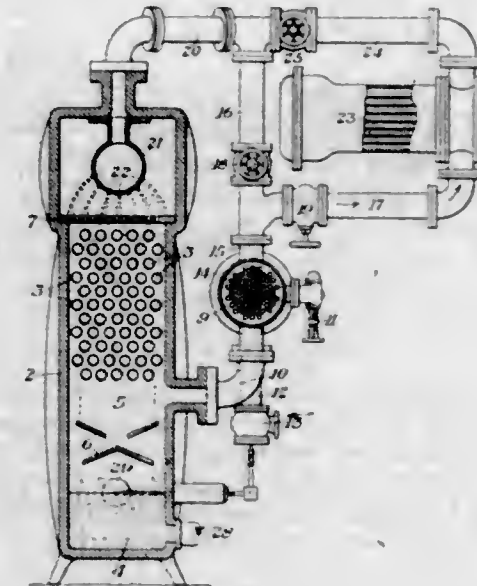


1. In a container for fluid under pressure, the combination with a tank or casing having a discharge outlet, a valve for controlling flow of fluid through said outlet, and a safety valve independently connected with the tank and normally exposed to pressure in the tank, of means whereby the flow of fluid to both of said valves may be cut off, for the purpose described.

1,734,515. METHOD AND APPARATUS FOR DEGASIFYING LIQUIDS. WILLIAM S. ELLIOTT, Pittsburgh, Pa. Filed Nov. 19, 1923. Serial No. 675,523. 25 Claims. (Cl. 183-2.5.)

4. In apparatus for degasifying liquid, a chamber containing a heating surface over which the liquid is adapted to flow in a downward direction, there being a space within said chamber below said surface, a condenser com-

municating with said space for condensing vapors released in the chamber, a heater receiving condensing liquid from



said condenser and further heating the same, and a connection receiving the heated liquid from said heater and delivering the same to said chamber.

1,734,516. TEXTILE MATERIAL AND THE PRODUCTION THEREOF. ROBINSON PERCY FOULDS, JOHN THOMPSON MARSH, and FREDERICK CHARLES WOOD, Manchester, England, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England, a British Company. Filed Nov. 2, 1928, Serial No. 316,871, and in Sweden Nov. 7, 1927. 15 Claims. (Cl. 91-70.)

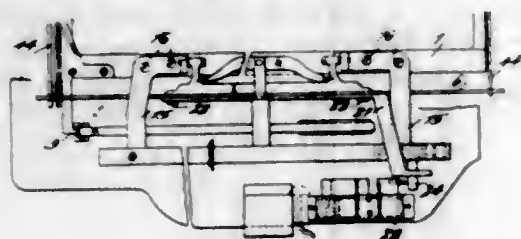
7. The process of rendering a textile material substantially less liable to creasing or crumpling without substantially lessening its suppleness, which comprises impregnating the individual fibres with a liquid comprising a solidifiable agent, removing the impregnating agent, if any, from between the fibres, and solidifying the agent.

1,734,517. CAN OPENER. HERMAN GARRISON, Chicago, Ill. Filed Mar. 28, 1927. Serial No. 178,932. 2 Claims. (Cl. 30-3.)



1. A can opener in the form of a lever of the second class, having a guiding fulcrum formed by a recess at the end of a handled stock, and a downwardly offset uppercut knife, secured to the stock and extending forward past the guiding fulcrum; said knife being laterally curved in the direction of its length, and provided with an additional cutting edge on its lower margin; the inner wall of the recess which forms the fulcrum being provided with a substantially vertical face on that side of the said recess which is toward the center of curvature of the directional curve of the knife; the said vertical face extending practically as far downward as does the opposite face of the inner wall of the recess, which lies toward the outer side of the directional curve of the knife; and the said opposite face being so constructed as to recede in a sloping direction from the summit of the recess, the basal width of the said recess being sensibly greater than its altitude.

- 1,734,518. BANKING STOP FOR TYPEWRITERS. FREDERICK P. GORIN, Seattle, Wash. Filed Feb. 1, 1926. Serial No. 85,292. 20 Claims. (Cl. 197-63.)

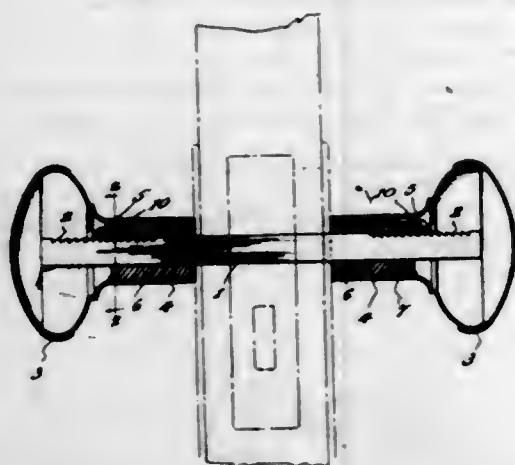


1. The combination with a typewriting machine having a motor controlled carriage feeding mechanism, of carriage arresting means, including means which takes complete control of the carriage movement at the initial writing point and continues said control only until the carriage comes to normal rest at said writing point.

- 1,734,519. MANUFACTURE AND USE OF INSECTICIDES. CARL N. HAND, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation. Filed Dec. 12, 1923. Serial No. 690,265. 2 Claims. (Cl. 167-22.)

2. A composition for use in destroying insect life which comprises a suspension of symmetrical di-phenyl-thiourea and starch in water.

- 1,734,520. DOOR KNOB. ALBERT FRANK HAZELWOOD, Sapulpa, Okla. Filed Apr. 12, 1928. Serial No. 269,559. 1 Claim. (Cl. 292-353.)

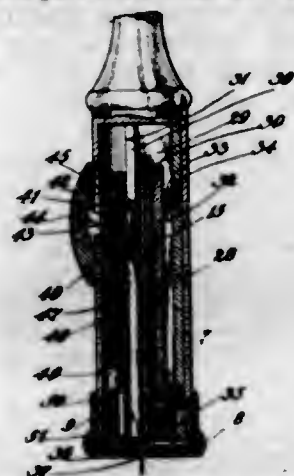


A device of the class described comprising a stem having a series of teeth therein, a knob including a tubular shank, a sleeve fitted in the shank slidably receiving the stem, means preventing rotation of the sleeve upon the stem, said sleeves having a longitudinal groove formed in its outer periphery, a spring having one end fixed in one end of the groove and having its free end extending beyond one end of the sleeve, said groove having a tapered bottom to permit the free end of the spring to selectively engage the teeth.

- 1,734,521. SAFETY RAZOR. STANLEY CRAIG HOPE, Springfield, Mass. Original application filed Sept. 15, 1927, Serial No. 219,748. Divided and this application filed Aug. 15, 1928. Serial No. 299,755. 6 Claims. (Cl. 30-12.)

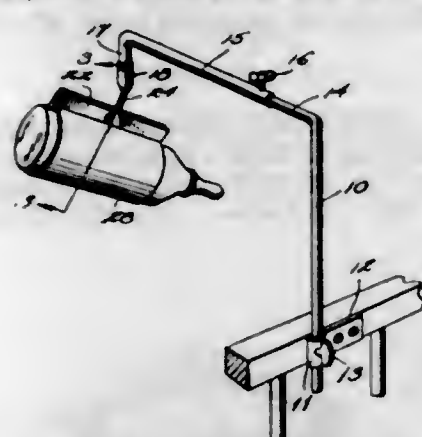
1. A safety razor comprising a tubular handle having a removable cap with a blade ejection opening at its lower

end, a case for packing a number of blades in the handle having a removable cover with a blade-ejection opening in its lower end registering with the ejection opening in



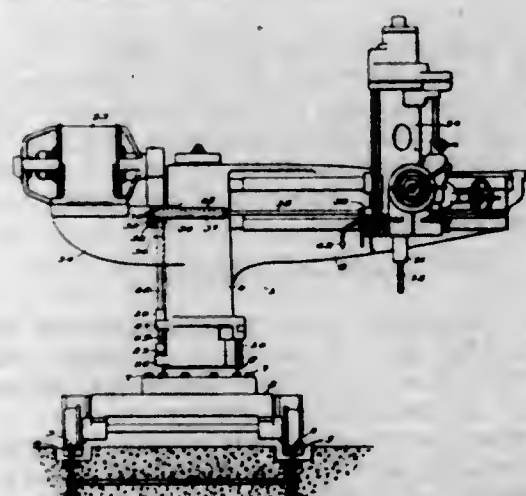
the cap, and means for ejecting a single blade through the openings in the lower ends of the handle cap and case cover.

- 1,734,522. NURSING-BOTTLE HOLDER. BYRD F. KAUFFMAN, Dallastown, Pa. Filed Sept. 21, 1927. Serial No. 221,011. 3 Claims. (Cl. 248-65.)



1. A bottle holder comprising an adjustably mounted standard having an offset extremity upon the upper end thereof, a tubular member telescopically associated for lateral adjustment upon the offset extremity of the standard, a depending portion carried upon the opposed end of the tubular member having connection with a nipple, a ball member provided with a stub shaft having universal connection between the nipple and depending portion, a clamping member carried by the shaft, and a bottle gripping element adjustably connected with the clamping member.

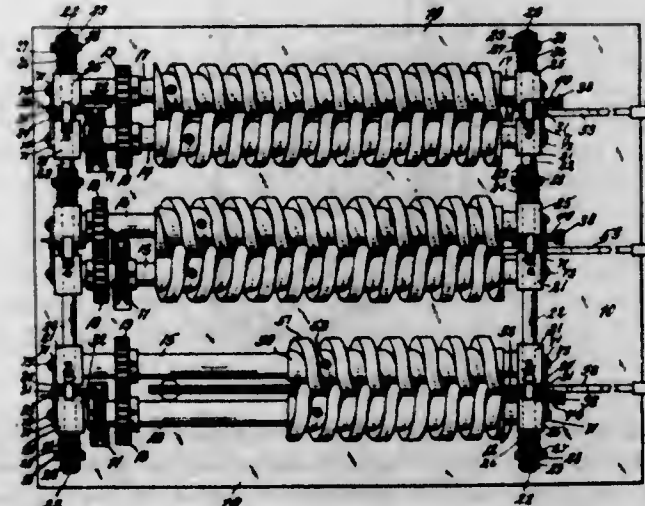
- 1,734,523. TELESCOPING ARM CLAMP. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Blackford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 25, 1925. Serial No. 52,361. 2 Claims. (Cl. 77-27.)



1. A radial drill combining a post; a sleeve rotatably journaled on said post; an arm supported by and project-

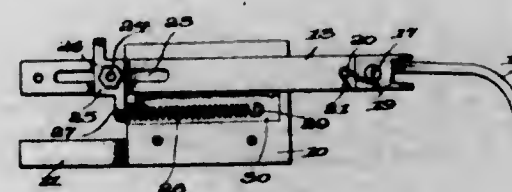
ing laterally from said sleeve; a tool-head translatable mounted on said arm; means for clamping said sleeve to said post; clamp actuating means including a clamp actuating slide-bar; an elongated bearing provided by said sleeve and extending lengthwise of said arm; a sleeve member journaled in said bearing and held against axial movement relative thereto; a gear secured to said sleeve member and engaging rack teeth on said slide-bar; a shaft having one end journaled in a bearing provided by said tool-head and held against axial movement relative thereto, whereby said shaft is translated with said head, said shaft also having a telescoping connection with said sleeve member and being held against rotation relative thereto; a clamp-actuating lever fixed to said shaft adjacent said tool-head for actuating said clamp, through said shaft, sleeve member, gear and slide bar, in all of the positions of said head along said arm.

- 1,734,524. BLADE-SHARPENING MACHINE. ALFRED A. KOHLMILLER, Los Angeles, Calif. Filed Mar. 19, 1925. Serial No. 16,738. 6 Claims. (Cl. 51-80.)



6. A blade sharpening machine including a pair of rolls, sharpening helices thereon that mesh or overlap, fixed bearings for mounting one roll, threaded extensions to said bearings, adjustable nuts on said extensions, slidable bearings for mounting the other roll to render it adjustable toward or from said nuts, parallel bearing rods for supporting said bearings and having horizontal slots through them, an adjusting wedge bar longitudinally movable through said slots and having wedge surfaces located between said nuts and slidable bearings, springs on said bearing rods for holding said slidable bearings in engagement with the wedge surfaces of said bar, and means on one of the slidable bearings for holding said wedge bar in adjusted position.

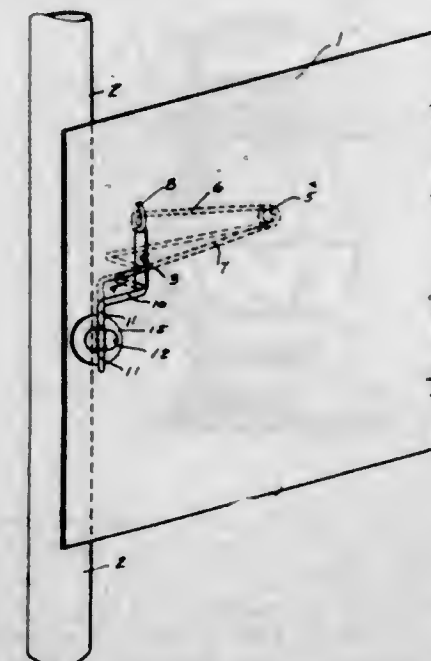
- 1,734,525. FEELER OR FILLING DETECTOR. DAVID LEMIEUX, Lewiston, Me. Filed Apr. 20, 1927. Serial No. 185,178. 1 Claim. (Cl. 139-286.)



A feeler for looms including a frame engageable with the loom and equipped with a feeler slide, a feeler finger pivotally mounted on one end of said slide and comprising a relatively long and narrow bar, the bobbin engaging end of which is remote from the slide and is equipped with serrations for engagement with the arm, the opposite end of said finger being enlarged with one side thereof obliquely disposed, a spring anchored on the slide one

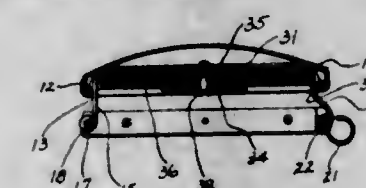
end of which impinges against said oblique side of the feeler finger, means to normally urge said slide and finger rearwardly toward the active bobbin, said finger being flexed, against the resistance of the spring, to permit the slide to be urged rearwardly for transferring the bobbins when the supply of yarn on the active bobbin is completely exhausted.

- 1,734,526. COWLING PIN. CHARLES N. MONTEITH and FRANK A. WALLOCH, Seattle, Wash., assignors to Boeing Airplane Company, Seattle, Wash. Filed Oct. 17, 1927. Serial No. 226,778. 1 Claim. (Cl. 24-201.)



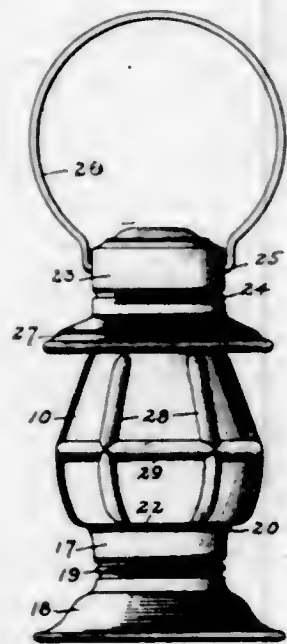
A cowling pin of the class described, comprising a main body member of substantially U shaped formation, the closed end of which terminates in a spring member, one of the opposite and open ends of the U shaped member being formed into a hook for engagement under spring tension with one end of a radially disposed slot in the cowling, the other of said open ends being turned outwardly through said cowling slot thence forwardly and downwardly, the outwardly turned portion bearing against the other end of said cowling slot and the downwardly turned portion engaging with a cowling post by extending through an aperture therein, said cowling post being secured to a structural member of the airplane and extending through an aperture in said cowling.

- 1,734,527. GASOLINE TANK CAP. JOSEPH J. MUELLER, Racine, Wis., assignor to Mueller Engineering Works, Racine, Wis. Filed June 20, 1927. Serial No. 200,117. 3 Claims. (Cl. 220-30.)



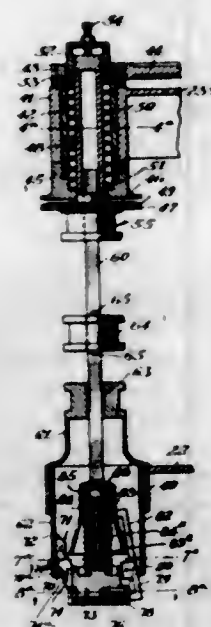
1. A cap for the nipple of a tank including a ring adapted to be arranged concentrically with respect to the nipple, means for connecting said ring to said nipple, a cover, means for hingedly connecting said cover to said ring at one side of said nipple, and means for detachably connecting said cover to said ring at the opposite side of said nipple, said first mentioned means including spring members having their intermediate portions connected to said ring on opposite sides of said nipple and buckled to provide fingers adapted for clamping engagement with said nipple, and means for moving said fingers into clamping engagement with said nipple.

1,734,528. CONTAINER. JAMES PAULL and ALBERT A. MILLER, Wellsburg, W. Va., assignors to The Eagle Manufacturing Company, Wellsburg, W. Va., a Corporation of West Virginia. Filed Jan. 13, 1928. Serial No. 246,512. 5 Claims. (Cl. 215-1.)



1. A container of the character described comprising a bulged container body of transparent material provided with a depending cylindrical extension at its lower end and an open mouth at its upper end, a base provided with a flared sleeve to receive said cylindrical extension so as to support the container, said container having a portion positioned to engage said sleeve so as to spring the engaged portion thereof outwardly to produce a tight frictional engagement of the parts and a removable cap engaging the upper end of said container so as to close said mouth.

1,734,529. MACHINE FOR APPLYING CONTAINER CLOSURES. THEODORE E. PENNOCK, Rochester, N. Y., assignor to Standard Automatic Machine Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 8, 1924. Serial No. 736,483. 15 Claims. (Cl. 226-88.)

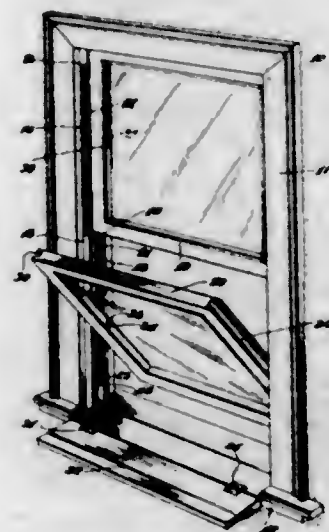


1. A machine for applying closures to containers comprising a rotary member, a closure engaging device, operating means for moving said device toward and from a container, an element rotated by said member and con-

ected with said device for rotating the latter, and actuating means for moving said rotary member to actuate said device to grip and release a closure.

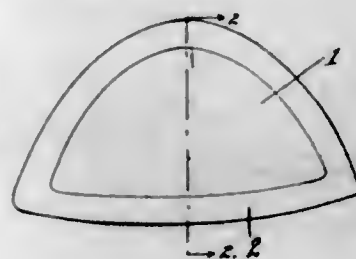
7. In a closure applying machine, a closure engaging head having a hollow housing open at one end, a unitary chuck assembly comprising a carrier, jaws movable on said carrier and means for actuating said jaws to grip and release a closure, and cooperating portions on said housing and carrier for removably seating the latter in the open end of said housing.

1,734,530. WINDOW. ACHILLE PIQUERREZ, New York, N. Y. Filed July 18, 1928. Serial No. 293,551. 5 Claims. (Cl. 20-49.)



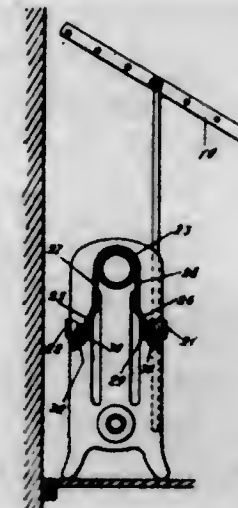
1. In a window construction, a window frame, sets of opposed locking bars slidably mounted in said frame, upper and lower sashes pivotally mounted in the respective sets of opposed locking bars, a sash stop pivoted to the sill of said frame in the path of downward movement of said sashes, means effecting a locking connection between the upper and lower sashes and their supporting locking bars when said sash stop is in the path of downward movement thereof for sliding therewith, and means for automatically releasing said sashes from engagement with their lock bars upon swinging of said sash stop out of the path of downward movement of said sashes and upon movement of said sashes to the limits of their downward movement, said sashes adapted to be lowered one at a time to allow the same to be swung on their pivotal axis.

1,734,531. BOX-TOE PIECE. ALBERT J. RYAN, Cincinnati, Ohio. Filed Dec. 27, 1923. Serial No. 683,079. 3 Claims. (Cl. 36-77.)



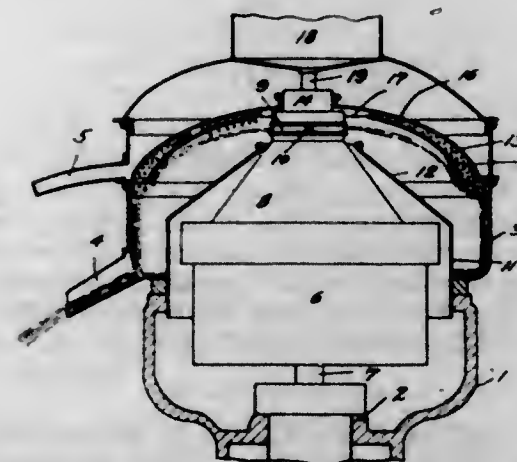
1. A box toe reinforcing process which consists in treating desired edge portions of a gum saturated fabric toe piece with an alkaline solution to chemically affect said gum in said fabric at said edges, permitting same to stand until chemical action takes place, softening the remaining gum in said fabric, and applying pressure to the toe piece to squeeze out the treated gum at such edge.

1,734,532. RADIATOR ATTACHMENT. GUIDO M. SACERDOTE, New York, N. Y. Filed Nov. 28, 1927. Serial No. 236,350. 13 Claims. (Cl. 211-86.)



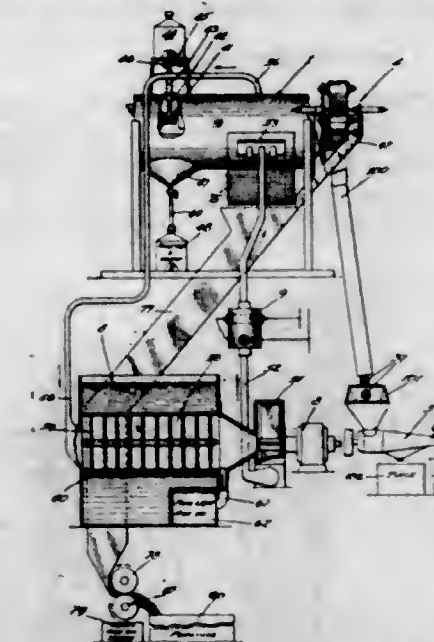
1. In a device of the character described, comprising supporting means depending therefrom, means for detachably mounting the device upon an ordinary heating radiator consisting of a plurality of spaced vertical sections and connecting neck members therebetween, comprising inverted loop supporting members adapted to be suspended from said neck members, and a front transversal member associated therewith, abutting against the front end of said sections, adapted to be connected to said device supporting means and to maintain the same in the proper position.

1,734,533. CENTRIFUGAL DOME WITH CONDENSING ARRANGEMENT. CARL SCHMITZ, Oelde, Germany, assignor to the Firm Ramesohl & Schmidt A.-G., Oelde, Germany. Filed Oct. 3, 1928. Serial No. 310,148, and in Germany Sept. 10, 1927. 6 Claims. (Cl. 233-47.)



1. In a centrifugal separator, the combination of a housing provided with a catch-chamber, a centrifugal rotor mounted within said housing and provided with a nozzle discharging into said catch-chamber, the bottom wall of said catch-chamber being contracted upwardly around and below said nozzle, a baffle-plate forming the top-wall of said catch-chamber, said baffle-plate being contracted upwardly around and above said nozzle, a partition wall arranged above said baffle-plate and suitably disposed with respect thereto to form an upwardly and inwardly contracted channel, said baffle-plate being provided with an opening into said catch-chamber and above said nozzle the channel being thereby adapted to discharge into said catch-chamber under the suction created by the nozzle discharge.

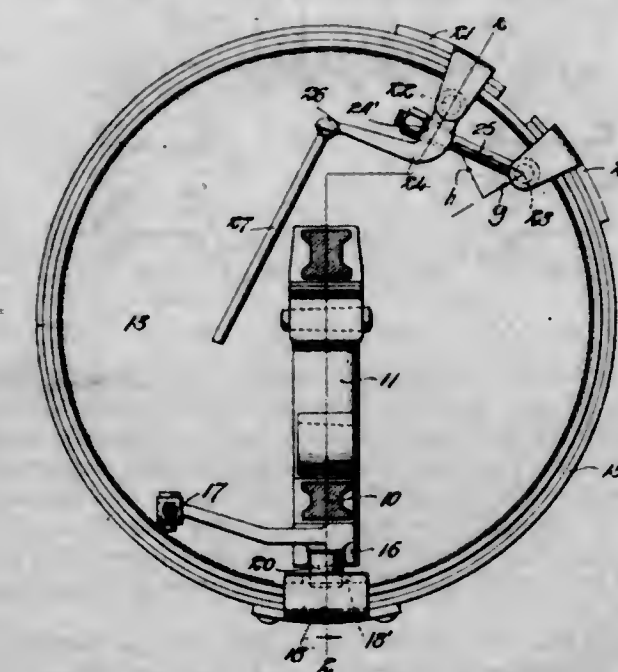
1,734,534. APPARATUS FOR RECOVERING THE VALUABLE CONSTITUENTS FROM CITRUS FRUITS. HASTINGS M. SHIELDS, Los Angeles, Calif. Filed Oct. 24, 1925. Serial No. 64,602. 36 Claims. (Cl. 87-6.)



1. An apparatus for recovering oil from citrus fruits comprising: a plurality of rollers normally spaced apart and arranged to define a space therebetween, said rollers being not all in the same plane, and having their respective axes slightly out of parallelism with each other and with the axis of the path represented by the space defined between the rollers, so that upon rotating the rollers at the same speed in the same direction a citrus fruit will be pressed therebetween, and will be fed along the axis of the path between the rollers; and means carried by the rollers for opening the oil sacs of the fruit so as to free the oil therefrom.

34. An apparatus as defined in claim 1, in combination with: means forming a closed air conveying circuit including said capturing means; means for circulating air in said circuit; means for heating said air to increase the volatility of the rind oils captured by said capturing means; and a condensing means in said air circuit means for condensing the captured rind oil vapors.

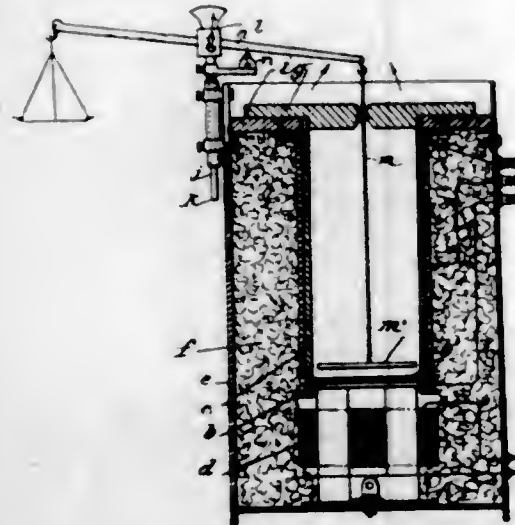
1,734,535. FRICTION BRAKE FOR AUTOMOTIVE VEHICLES. GEORGE L. SMITH, Washington, D. C., assignor to United States Ordnance Company, Washington, D. C., a Corporation of Virginia. Filed Dec. 18, 1925. Serial No. 76,223. 9 Claims. (Cl. 188-77.)



7. In a brake mechanism, a brake drum, an external contracting brake band surrounding the drum, and mecha-

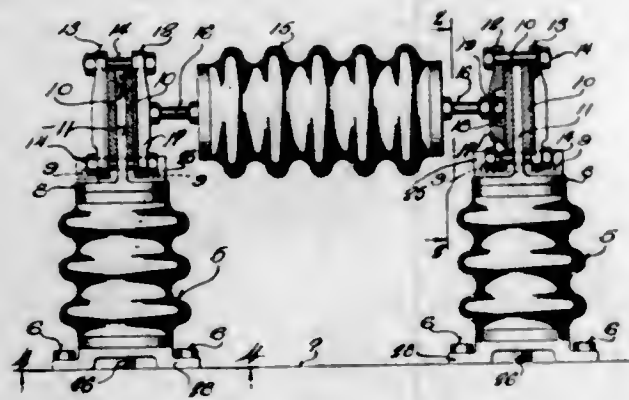
nism for contracting the band inclusive of a tension member located within the drum and effective to apply a contracting force to the band directed through the braking surface of the drum and through a point within the length of the band spaced from the end thereof.

1,734,536. **ELECTRIC FURNACE.** VICTOR SORREL and LOUIS ANDRÉ LAFONT, Grenoble, France, assignors to Ugine-Infra, Grenoble, France. Filed Aug. 4, 1928, Serial No. 297,474, and in France Sept. 29, 1927. 6 Claims. (Cl. 286—1.5.)



1. An electric furnace of the type described comprising, in combination, a heat insulated metallic chamber composed of a metal which is non-magnetic at the working temperature of said furnace, an electrical resistance for heating said chamber, means for controlling the electrical energy supplied to said electrical resistance and electro-magnetic heat responsive means adapted to automatically operate said first means for regulating the temperature of said furnace.

1,734,537. **BUS-BAR STRUCTURE.** ALVIN G. STEINMAYER, Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 16, 1925. Serial No. 23,733. 4 Claims. (Cl. 173—313.)

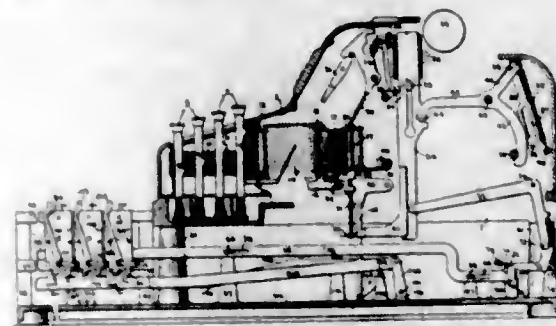


1. In a bus-bar structure, a support, an attaching base mounted on the support, a bus bar supporting member, a spacer member extended upwardly from the attaching base and having an aperture to receive the bus bar supporting member, bus bars engageable with the spacer member, and means for clamping the bus bars to the spacer member whereby the bus bars are supported by the supporting member and are free to move upon expansion and contraction thereof.

3. In a bus bar structure, an insulator, an attaching base, a mounting member extended upwardly from the base, a bus bar, means clamping the bus bar to the mounting member, a supporting member engageable with the

lower edge of the bus bar to support its weight, and means for securing the attaching base to the insulator, said means passing through the supporting member to retain the same in position.

1,734,538. **CALCULATING MACHINE.** ROBERT H. STROTHER, Montclair, N. J., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 21, 1922. Serial No. 583,391. 47 Claims. (Cl. 235—60.)



1. The combination with a machine frame, a series of denominational racks in said frame, and a series of denominational type carriers associated with said racks, of a totalizer removable and replaceable by the operator, a total key mounted in said totalizer and devices partly in said totalizer and partly in said machine frame controlled by said total key to cause the printing of the total accumulated on said totalizer.

1,734,539. **ATTACHMENT FOR SPINNING MACHINES.** ALEXANDER B. SUMMEY, BENJAMIN F. ALLISON, and THOMAS O. SUMMEY, Hillsboro, N. C. Filed Sept. 1, 1927. Serial No. 216,990. 2 Claims. (Cl. 242—43.5.)



1. In a spinning machine, the combination with a doffing latch, of a bunch latch consisting of a block having side flanges engaging the side edges of the doffing latch and equipped on its front edge adjacent its upper end with a rail-engaging shoulder disposed below the rail-engaging element of the doffing latch, and means for securing the bunch latch rigidly to the doffing latch.

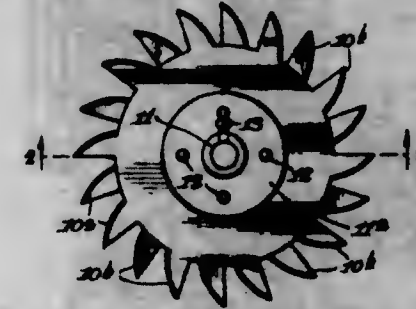
1,734,540. **TIRE COVER.** WILLIAM T. SUTHERLAND, Chicago, Ill. Filed Feb. 20, 1926. Serial No. 90,955. 2 Claims. (Cl. 150—54.)



1. A metal tire cover curved to conform to the transverse periphery and circumferential contour of a tire provided with beads, comprising transversely divided connected sec-

tions of metal, one annular edge of which terminates adjacent one beaded edge of the tire and beyond the point of greatest diameter of said tire, the other end terminating immediately adjacent the point of greatest diameter of the tire.

1,734,541. **PROCESS OF MAKING FANS.** HUDSON A. TEDMAN, Galesburg, Ill., assignor to Winslow Boller & Engineering Co., Galesburg, Ill., a Corporation of Illinois. Filed Mar. 12, 1925. Serial No. 14,896. 13 Claims. (Cl. 29—156.8.)



1. A process of making fans, comprising stamping a blank sheet material to provide a body portion and outwardly extending vane portions, curving the body of said vane portions and bending said vane portions into angular relation with respect to said body portion.

1,734,542. **ELECTRIC PHONOGRAPH REPRODUCER.** ADOLPH A. THOMAS, New York, N. Y. Filed Jan. 23, 1928. Serial No. 250,009. 17 Claims. (Cl. 179—100.1.)



1. An electric phonograph reproducer having a vibratory element for generating electric impulses, and a pair of stylus members connected to said element in fixed relation thereto for selectively actuating the same to play lateral-cut records and vertical-cut records.

1,734,543. **OUTLET-BOX CONSTRUCTION.** GEORGE C. THOMAS, Jr., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed Feb. 24, 1923. Serial No. 620,905. 18 Claims. (Cl. 247—16.)



1. In an outlet box construction, in combination, a body section having a bottom, opposite side walls and open ends, a coupling on the inside of one of the side walls and having a securing tongue projecting beyond a side edge thereof, and means for removably securing the coupling to the body section, said means including a hook at one end of the coupling removably and slidably engaging within a slot in the body section, and a screw engaging the body section and coupling toward its other end, the shank of said screw seating in an open notch in the body section, permitting removal of the coupling with the screw engaged therewith from the body section.

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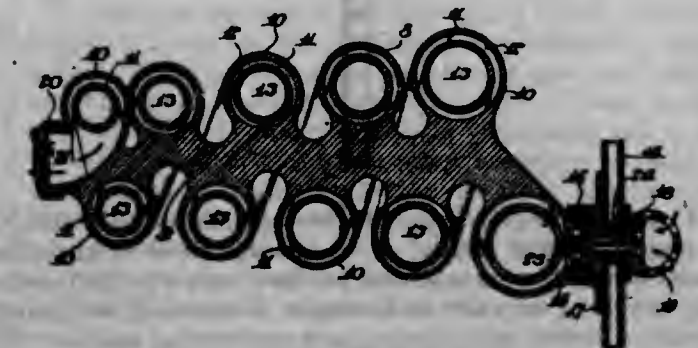
within a slot in the body section, and a screw engaging the body section and coupling toward its other end, the shank of said screw seating in an open notch in the body section, permitting removal of the coupling with the screw engaged therewith from the body section.

1,734,544. **EDUCATIONAL DEVICE.** ELLA UMBECK, Washington, D. C. Filed Nov. 8, 1927. Serial No. 231,940. 4 Claims. (Cl. 273—114.)



4. A puzzle or educational device consisting of a casing, a base member in said casing, said base member being provided with unconnected recesses, a quantity of mercury adapted to move over the surface of the base member and enter said recesses, and a transparent cover for said casing, said cover being spaced from but closely adjacent said surface to contact with the mercury moving over the surface.

1,734,545. **MEANS FOR DELIVERING PREHEATED AIR TO COMBUSTION CHAMBERS.** GERRIT VAN DAM, Buffalo, N. Y. Filed Dec. 31, 1927. Serial No. 243,900. 7 Claims. (Cl. 110—175.)



1. An air heating element for combustion chambers, comprising a body providing an annular air passage in helical formation extending from one end of said element to the other, and provided with an air inlet at one end and air discharge vents at the other end and means for supporting said element at its inlet end with the discharge vents delivering to the combustion chamber.

1,734,546. **POWER APPARATUS.** JACOB J. VRLING, Milwaukee, Wis. Filed Sept. 24, 1928. Serial No. 307,952. 4 Claims. (Cl. 254—178.)



1. In a device of the class described, the combination of a truck having a plurality of pulleys thereon, a pair

of stationary members having pulleys, two sets of cables threaded over said pulleys and adapted to move said truck forwardly or rearwardly, a drum upon which said cables are wound in reverse directions, and a load transmitting member attached to said truck.

- 1,734,547. **PRESSED-METAL BRAKE STEP.** HARRY VISSERING, Kenilworth, Ill., assignor to Viloco Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed July 29, 1921. Serial No. 488,354. 1 Claim. (Cl. 74-121.)



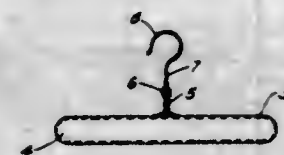
In combination, with a car body, a brake step made of pressed sheet metal, a brake staff assembly base member secured thereto, a tapered socket in said base member, a brake staff extending through said socket, a ratchet wheel carried by the staff and having a tapered hub revolvably seated in said socket, and a pawl carried by said base member and provided with a skirt member which overlies the ratchet wheel at all positions of the pawl.

- 1,734,548. **TOOL FOR GRINDING VALVE SEATS.** FREDERICK G. WACKER and HERMAN W. ZIMMERMAN, Chicago, Ill., assignors to Automotive Maintenance Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed May 31, 1927. Serial No. 195,217. 7 Claims. (Cl. 51-197.)



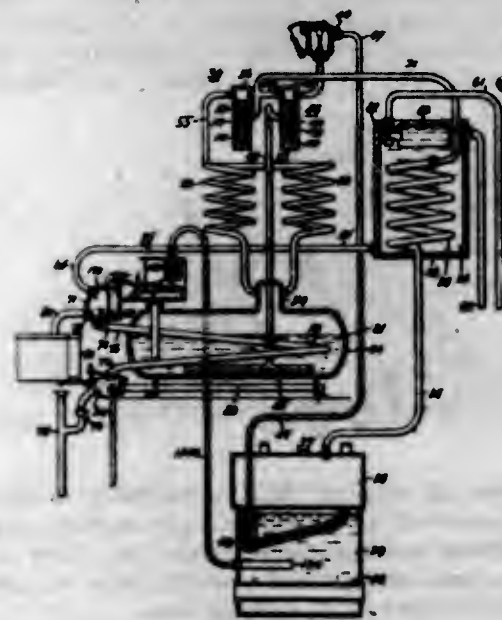
1. In a valve-grinding tool, the combination of a shank, a cupped element formed of an integral sheet of abrasive material and having a bottom portion, with a central opening therein of such size as to snugly receive said shank and having a flaring skirt portion, and confronting members on said shank having surfaces to clamp between them the bottom of said abrasive element and one of said members having a cone surface to back up the skirt portion of the abrasive element, the pitch of said skirt portion being steeper than that of said cone surface so that said skirt portion is stripped uniformly upon said cone surface as said confronting members are clamped together, and one of said members being removable from the shank.

- 1,734,549. **GARMENT HANGER.** GERTRUDE WALDY, Los Angeles, Calif. Filed Mar. 19, 1928. Serial No. 262,757. 2 Claims. (Cl. 223-61.)



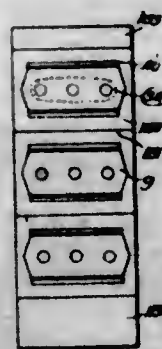
1. A collapsible garment hanger, consisting of an outer casing, an inflatable inner tube, said inner tube having a valve extending through the outer casing, a cap for said valve, and a hook attached to the air valve cap.

- 1,734,550. **REFRIGERATION APPARATUS.** CLARENCE WARNER and ELMER L. HORLACHER, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation, a Corporation of Delaware. Filed Aug. 5, 1925. Serial No. 48,326. 20 Claims. (Cl. 62-5.)



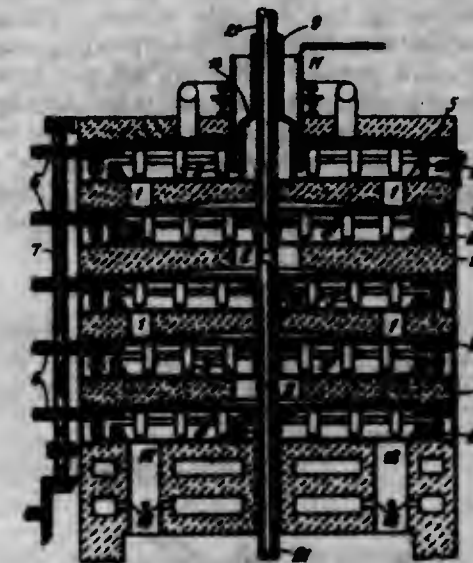
1. Absorption refrigerating apparatus including generator-absorber means, means for heating the generator-absorber means, a movable member adapted when in one position to render the heating means operative and when in another position to render the cooling means operative, a mechanism for positively moving the movable member to one position, means responsive to one predetermined condition of the system for actuating said mechanism, a second mechanism for positively moving the movable member to a second position, means responsive to another predetermined condition in the system for actuating the second mechanism, and means for automatically disconnecting the second mechanism from the movable member after movement to its second position.

- 1,734,551. **BLADE PACKAGE.** ISAIAH N. ZELLER, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Feb. 12, 1925. Serial No. 8,801. 2 Claims. (Cl. 206-46.)



1. A blade package comprising a single strip foldable into panels, adhesive material thereon, a plurality of adjacent panels having depressions therein, and blades disposed in said depressions, adjacent panels being folded the one onto another to position each blade between two thicknesses of the strip, the adhesive material serving to hold the blades onto the strip and to hold the strip in folded form.

- 1,734,552. **MECHANICAL ROASTING FURNACE.** GEORGE BALE, Gleiwitz, Germany, assignor to Bala-Erwerbsung Gesellschaft mit beschränkter Haftung, Gleiwitz, Germany. Filed June 7, 1927. Serial No. 197,050, and in Germany Feb. 22, 1927. 6 Claims. (Cl. 263-26.)



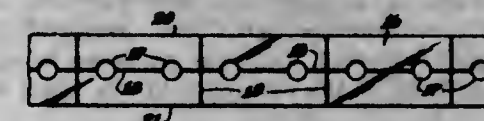
1. A mechanical roasting furnace comprising a tier of circular, rigidly interconnected and rigidly supported, flat and spaced roasting floors, said floors having discharge apertures disposed alternately in the centre and at the periphery, radial, horizontally flat arms arranged in the spaces between said floors, means for supporting said arms close to the respective floor structures above them and so as to allow them to rotate about the center of the furnace, agitating and propelling vanes depending from said arms and extending close to the respective roasting floors, and means for imparting rotation to the arms about the center of the furnace.

- 1,734,553. **RADIO RECEIVING APPARATUS.** HARRY D. BARTLETT, Delavan, Wis. Filed June 21, 1928. Serial No. 117,429. 3 Claims. (Cl. 250-14.)



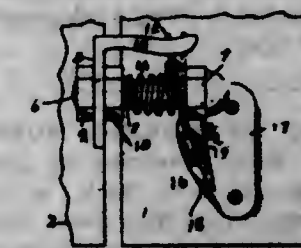
1. In a radio receiving apparatus, a cabinet; a variable condenser mounted in said cabinet; a speed reducing vernier mechanism for moving said condenser; a horizontally reciprocable slide member mounted on said cabinet; and flexible connections between said slide member and said vernier mechanism for transmitting motion from the former to the latter.

- 1,734,554. **METHOD OF MAKING NARROW-GAUGE RAZOR BLADES.** MARCUS B. BUEHMAN, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Jan. 28, 1928. Serial No. 250,824. 6 Claims. (Cl. 76-104.)



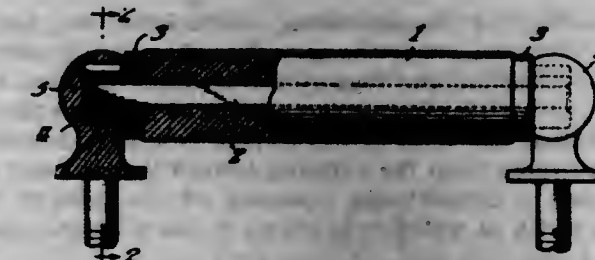
1. The herein described method of making a single-edged razor blade of the wafer type, which comprises the steps of first making a double-edged blade of at least twice the width of the single-edged blade desired, forming a set of openings along a medial longitudinal portion thereof, and finally severing said double-edged blade along a line passing through said openings.

- 1,734,555. **ANTI-RATTLE AND FASTENER FOR VEHICLE DOORS.** WILLIAM FRANCIS BENNETT, Newcastle, Ind., assignor to Goodwin Brothers Automobile Company, Inc., Newcastle, Ind., a Corporation of Indiana. Filed Feb. 4, 1929. Serial No. 337,208. 3 Claims. (Cl. 292-240.)



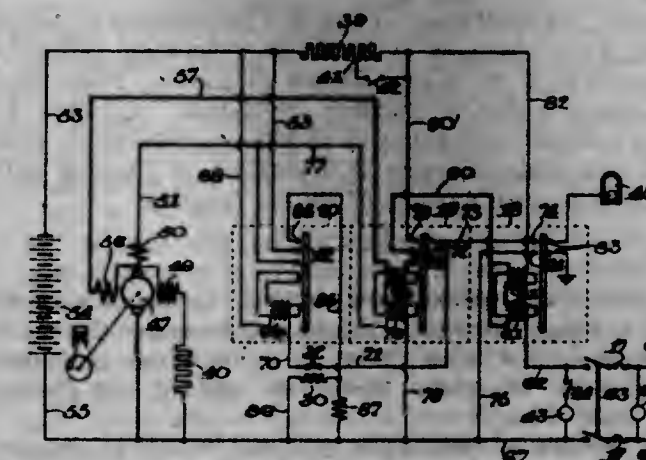
1. In an anti-rattle and fastener for hinged doors, a bolt having a head, means for supporting the bolt from the front vertical member of the door frame, a lever loosely mounted on the bolt, a spring normally holding the lever against the head of the bolt, a block fastened to the door to contact an end of the lever when the door is closed and swing the lever to an oblique position compressing the spring, said block having a cam groove directing the end of the lever to the side of the block toward the hinges of the door.

- 1,734,556. **HINGE FOR TOILET SEATS.** JOSEPH W. BISHOP, Muskegon Heights, Mich., assignor to The Brunswick-Balke Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 19, 1928. Serial No. 527,104. 3 Claims. (Cl. 4-236.)



1. The combination of a toilet seat, a rod of rectangular shape in cross section fitting in and extending through a hole of similar shape in the rear of said seat and projecting beyond the sides thereof, a pair of hinge members, each having a rectangular hole in which said rod is tightly fitted, said members engaging the sides of said seat and having laterally projecting portions, and standards having sockets in which said portions are pivoted, one of said standards and one of said members having engageable portions for limiting the movement of said seat and retaining the same in elevated position.

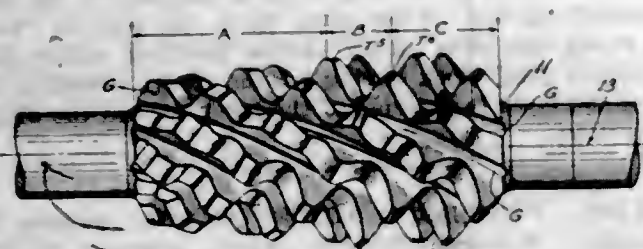
- 1,734,557. **AUTOMATIC GENERATING PLANT.** ANTON FRANK BROTZ, Kohler, Wis., assignor to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Filed Oct. 5, 1925. Serial No. 60,702. 6 Claims. (Cl. 175-294.)



1. In a gas-engine-operated generating plant of the demand starter type using the generator for cranking in a

low voltage cranking circuit and having a generator relay operated by a voltage coil across the generator terminals to interrupt the cranking circuit, a means for preventing the closing of the cranking circuit by the release of the generator relay upon the occurrence of an overload or short circuit on the mains comprising a magnet coil in series with the mains for holding said generator relay in its closed position.

1,734,558. METHOD OF MAKING HOBBS. JOHN W. BRUSSEL, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Ohio. Original application filed June 30, 1927, Serial No. 202,486. Divided and this application filed Aug. 23, 1928. Serial No. 301,476. 6 Claims. (Cl. 76-101.)



1. A method of manufacturing worm hobs, the tooth form of which does not change after sharpening, which consists in relieving the tops of teeth with a uniform relief from the entering end of the hob to the rear end thereof, in relieving the sides of teeth along two corresponding helixes diverging from the entering toward the rear end of the hob and in cylindrically trimming off the sides of all teeth the width of which is in excess of the predetermined width of tooth.

1,734,559. PROCESS FOR THE PREPARATION OF MIXTURES OF CARBON MONOXIDE AND HYDROGEN FROM HYDROCARBONS. LUIGI CASALE, deceased, Rome, Italy, by Maria Casale-Sacchi, administratrix, Rapallo-Genoa, Italy. Filed Apr. 14, 1927, Serial No. 183,925, and in Italy Apr. 20, 1926. 4 Claims. (Cl. 23-7.)

3. A process for the production of mixtures of nitrogen and hydrogen from hydrocarbons, water, and air in which the reaction between said substances is carried out at a temperature above 1000° C. in the presence of an excess of water and at a reduced pressure, converting the carbon monoxide thus formed into carbon dioxide, removing said carbon dioxide to leave a gaseous mixture of nitrogen and hydrogen.

1,734,560. INHIBITOR. LUDWIG J. CHRISTMANN, Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Sept. 18, 1929. Serial No. 393,589. 8 Claims. (Cl. 148-8.)

1. A method of cleaning or pickling metals which comprises subjecting the same to a pickling or cleaning bath containing a small amount of thiobenzamide.

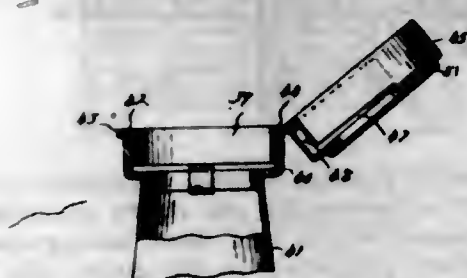
1,734,561. INHIBITING COMPOUND. LUDWIG J. CHRISTMANN, Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Sept. 18, 1929. Serial No. 393,591. 8 Claims. (Cl. 148-8.)

1. A method of cleaning or pickling metals which comprises subjecting the same to a pickling or cleaning bath containing a small amount of a condensation product of o-toluidine and sulfur chloride.

1,734,562. SODIUM CYANIDE COMPOUND AND PROCESS OF PRODUCING THE SAME. KENNETH F. COOPER, Great Neck, N. Y. Filed Nov. 1, 1922. Serial No. 598,430. 6 Claims. (Cl. 23-84.)

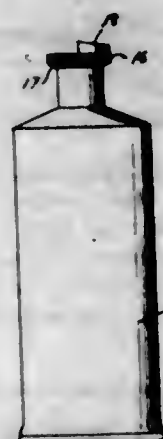
5. A process of producing sodium cyanide from a crude cyanide compound derived from crude cyanamide, consisting in dissolving the same in water; adding to the solution a sodium salt capable of precipitating any soluble calcium compound present; filtering off the precipitated and insoluble compounds in the solution; adding sodium chloride to the solution; concentrating the resulting solution; cooling the concentrated solution to separate out the sodium cyanide dihydrate present; and drying the latter under a reduced pressure, substantially as described.

1,734,563. CLOSURE. CECIL R. CRARY, Detroit, Mich., assignor to Grace T. Crary, Detroit, Mich. Filed Apr. 26, 1926. Serial No. 104,759. 9 Claims. (Cl. 220-24.)



1. The combination with a container having an opening, of a ring projecting from said container surrounding said opening, a closure for said opening rotatable in its closed position around said opening to a limited extent, and having an annular flange, and means carried by said ring and engaging said flange establishing a hinge connection between the closure and container and subjecting the closure to a sealing pressure upon a predetermined rotation of the closure.

1,734,564. CLOSURE. CECIL R. CRARY, Detroit, Mich., assignor to Grace T. Crary, Detroit, Mich. Filed May 2, 1927. Serial No. 188,366. 4 Claims. (Cl. 221-60.)

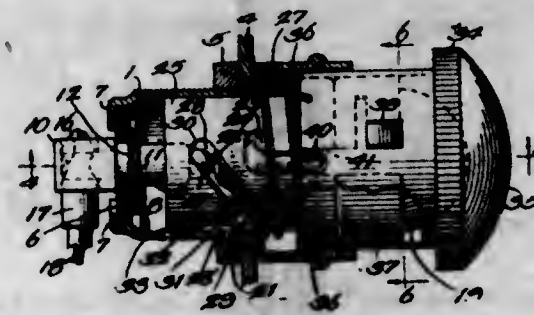


1. The combination of a container having a top portion formed with a substantially semi-circular projected apertured surface, and a closure rotatably mounted upon said container having a substantially semi-circular top surface normally engageable with the projected surface aforesaid, said projected and top surfaces being correspondingly inclined to the axis of rotation when in registration.

1,734,565. CIRCUIT-CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Filed May 5, 1928. Serial No. 275,337. 12 Claims. (Cl. 178-346.)

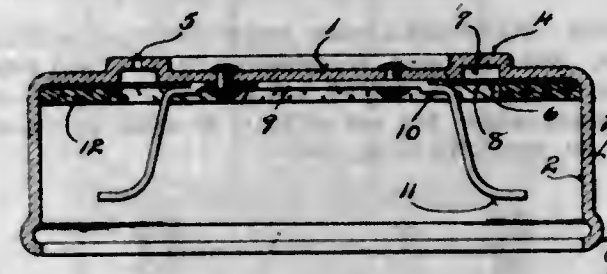
1. In a circuit continuing device, the combination with a shell; of a sleeve surrounding the shell, said sleeve and shell having cooperating cam slot and projection forma-

tions, said cam slot being oblique to the axis of the shell and sleeve and having an entrance branch continuation which constitutes, with the cam slot, a bayonet slot which permits the projection to be entered within the cam slot, said shell and sleeve having cooperating formations which



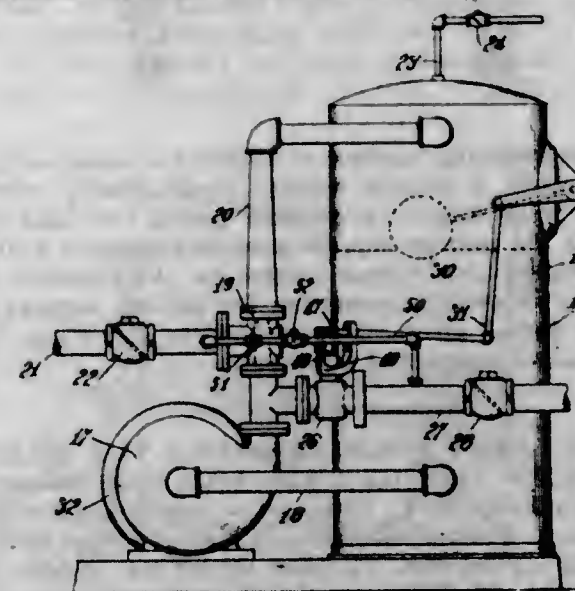
serve to limit the relative turning movement of the shell and sleeve to confine the projection to movement within the cam slot; and complementary circuit contacts carried by said sleeve and shell and brought into and out of engagement consequent upon corresponding relative movement of the projection and cam slot.

1,734,566. CLOSURE CAP. ELMER E. DRUMM, Manitowoc, Wis., assignor to Aluminum Goods Manufacturing Co., Manitowoc, Wis., a Corporation of New Jersey. Filed Oct. 10, 1927. Serial No. 225,225. 5 Claims. (Cl. 220-44.)



1. A cap comprising an integral metal member having a transverse top portion and cylindrical side walls, said top portion having an annular inverted channel-shaped raised portion provided with a plurality of apertures, a washer positioned below said channel portion and closing the underside of said channel portion, said washer being provided with a plurality of apertures out of alignment with the first mentioned apertures.

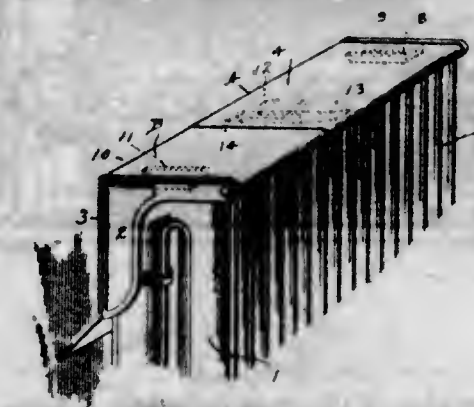
1,734,567. PRIMER FOR VACUUM PUMPS. CLAYTON A. DUNHAM, Glencoe, Ill., assignor, by mesne assignments, to C. A. Dunham Company, Marshalltown, Iowa, a Corporation of Iowa. Filed July 18, 1927. Serial No. 206,546. 13 Claims. (Cl. 103-5.)



1. The combination with a pumping system comprising an inlet pipe, an outlet pipe and a normally closed cut-off

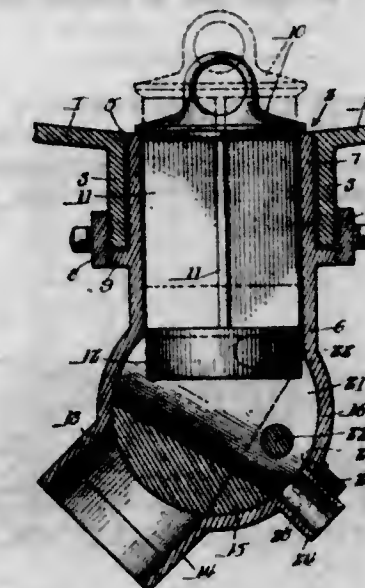
valve in the outlet pipe, of means for returning to the pumping system liquids that leak past the valve, comprising a pipe connection extending from the outlet pipe to the inlet pipe around the valve and pumping system.

1,734,568. RADIATOR HOOD. WILLIAM S. ELTERS, Dayton, Ohio, assignor to The Gem Metal Shield, Inc., Dayton, Ohio, a Corporation of Ohio. Filed July 18, 1927. Serial No. 206,539. 14 Claims. (Cl. 237-79.)



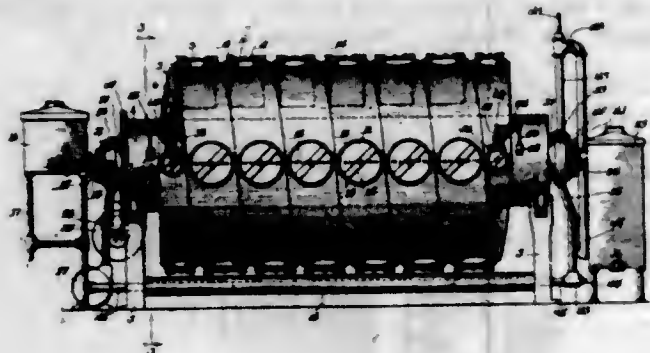
12. A radiator shield having top, back and end walls, including offset spacer fingers carried by the end walls for engagement with the ends of a radiator, clamp arms for engagement with the radiator, adjusting bolts for said clamp arms and nuts for said bolts held between said spacer fingers and the end walls of the shield to prevent turning.

1,734,569. VALVE. JOSEPH H. GODFRAY, Chicago, Ill., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed July 6, 1926. Serial No. 120,607. 1 Claim. (Cl. 187-21.)



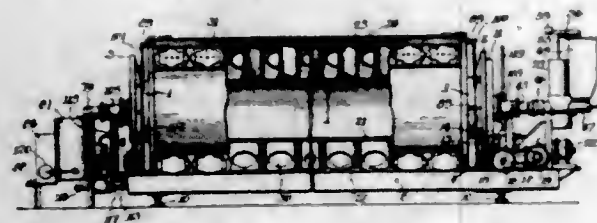
A device of the class described, comprising a casing having a chamber with an upper inlet opening and a lower outlet opening, a reciprocating valve controlling said inlet opening and having a guiding structure extending into said chamber, a rotary valve controlling said outlet opening, having a U-shaped lateral recess formed therein, an auxiliary passage leading outwardly of said casing independently of said inlet and said outlet openings and having a port in the seat of said rotary valve, a sterilizing fluid inlet passage also having a port in the seat of said rotary valve, a cross member positioned in said recess adapted to engage the guiding structure of said reciprocating valve and effect the opening of said reciprocating valve with the opening movement of said rotary valve, said recess being positioned so that said ports are closed by said rotary valve when said valves are in opened position and establishing communication through said recess between said chamber and said ports when said valves are in closed position.

1,734,570. PASTEURIZING APPARATUS. JOSEPH H. GODFREY, Chicago, Ill., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 11, 1926. Serial No. 147,738. 2 Claims. (Cl. 137-21.)



2. In apparatus of the class described, a drum adapted to contain heat exchange fluid and supported for rotation about its longitudinal axis, an end closure for said drum having an outwardly extending portion with its outer periphery in concentric relation to the axis of said drum, said extended portion having a series of radially opening ports, a stationary casing having an operating bearing upon the outer periphery of said extending portion, there being a peripheral groove formed between said extended portion and said casing adapted to interconnect said ports, said casing having an inlet opening therethrough communicating with said peripheral groove, a tube positioned axially in said end closure, a retaining disc bearing upon said casing and positioned about said tube, and a retaining nut mounted on said tube in bearing relation to said disc.

1,734,571. PASTEURIZING APPARATUS. JOSEPH H. GODFREY, Chicago, Ill., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1927. Serial No. 214,624. 31 Claims. (Cl. 137-21.)

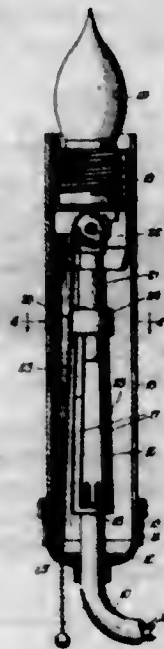


1. Pasteurizing apparatus, comprising a conduit of substantially helical form arranged for rotation about its axis and adapted to carry separated batches of liquid in the lower turns thereof whereby said batches are progressively moved through said conduit by the rotation thereof.

1,734,572. ADJUSTABLE CANDLE SOCKET MOUNTING. DAVID D. GORDON, Chicago, Ill., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed Mar. 23, 1927. Serial No. 177,481. 5 Claims. (Cl. 240-52.)

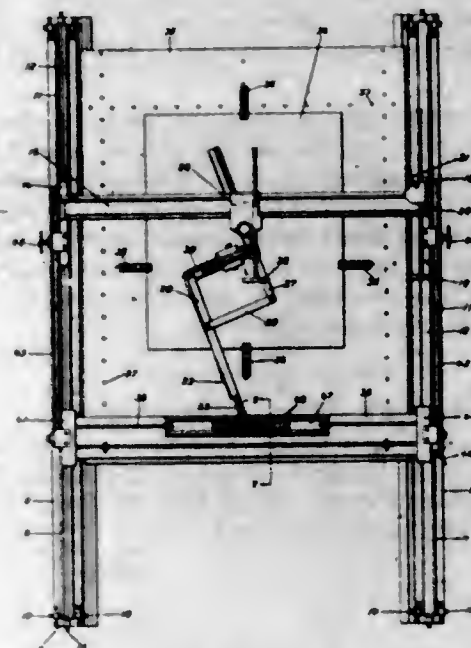
1. An adjustable candle socket mounting comprising a clamping member having a pair of gripping portions, a lamp socket having a shank adapted to be gripped by said gripping portions, a sleeve encircling said gripping portions, one of said gripping portions and said sleeve being

provided with a cooperating projection and recess for positioning said sleeve longitudinally with relation to said



clamping member, and screw means carried by said sleeve for holding said gripping portions in gripping relationship with said shank.

1,734,573. PANTOGRAPHIC REPRODUCING APPARATUS. ROSS E. GRAY, Washington, D. C. Filed Feb. 6, 1926. Serial No. 86,536. 7 Claims. (Cl. 33-25.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)

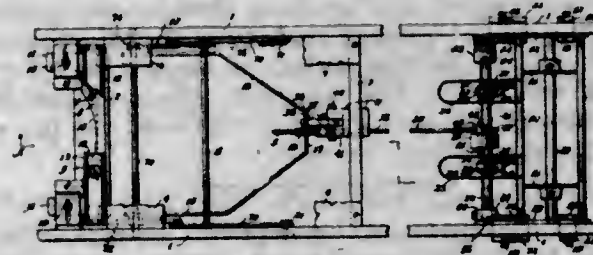


6. A reproducing machine comprising in combination, a work support, a pattern support longitudinally movable over the work support, a crossbar spaced from and movable with the pattern support parallel thereto, a pattern-guided reproducing means carried on the crossbar, and means for adjustably connecting the pattern support and crossbar desired distances apart and for controlling their synchronous longitudinal movement.

1,734,574. STRIP-ALIGNING DEVICE FOR BILLING MACHINES AND THE LIKE. LOUIS FRED HAGEMANN, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada, a Corporation of Ontario. Filed Jan. 12, 1926. Serial No. 80,704. Renewed Jan. 22, 1929. 43 Claims. (Cl. 197-133.)

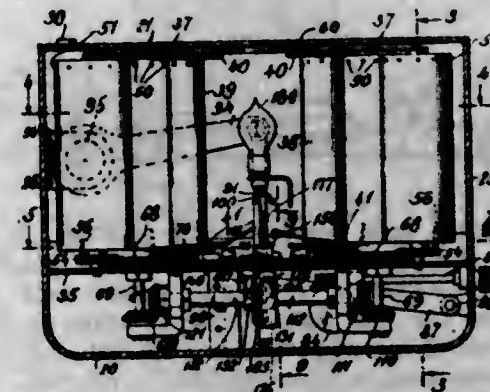
1. In an apparatus of the character described, in combination, a strip adjusting pin, means adapted to

impart to said pin in one direction motion in a path longitudinal to and intercepting the path of the strip to adjust the strip, and a strip rider adapted to be moved by operation of said means to intercept the path of the



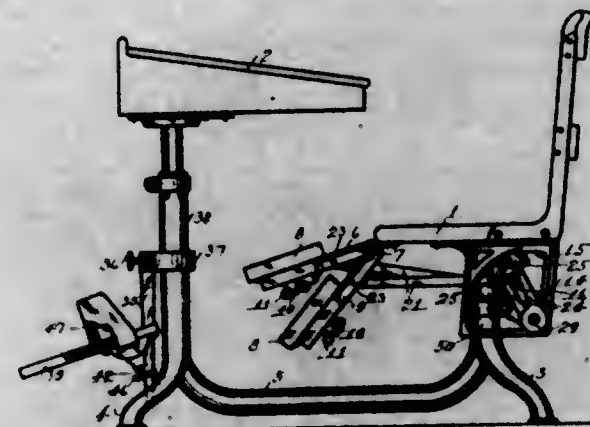
strip, said rider being operatively connected to said pin to bias said pin for movement relative to said means in opposition to the strip-adjusting movement of said means into the path of the strip upon pressure of said rider against the strip.

1,734,575. ADVERTISING OR DISPLAY DEVICE. WILLIAM W. HAMMEL, New York, N. Y., assignor to Advertising Samplers, Inc., Wilmington, Del., a Corporation of Delaware. Filed Oct. 25, 1926. Serial No. 148,854. 29 Claims. (Cl. 40-42.)



1. A display device comprising a casing, a pair of spools mounted therein, a strip secured to said spools, a separate driving disk associated with each spool and adapted to frictionally drive said spool, and drive control mechanism for said spools having means engageable with said spools to hold one or the other of said spools out of frictional engagement with its driving disk.

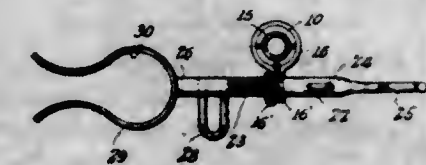
1,734,576. SEAT STRUCTURE. GEORGE H. HAMILTON, Grand Rapids, and ROY A. WHITE, Walker Township, Kent County, Mich., assignors to American Seating Company, Grand Rapids, Mich., a Corporation of New Jersey. Original application filed July 5, 1927, Serial No. 203,496. Divided and this application filed Nov. 16, 1927. Serial No. 238,554. 1 Claim. (Cl. 155-171.)



In a structure of the character described, a leg rest comprising a body portion consisting of a substantially

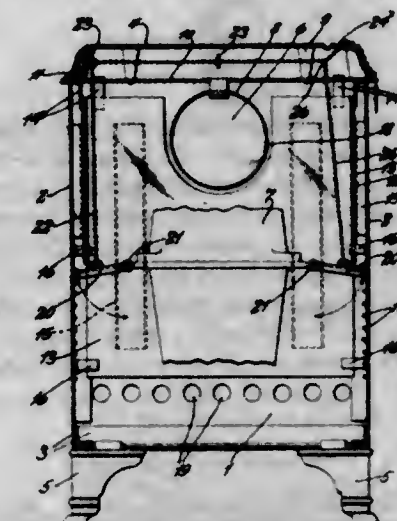
vertical bar provided at the top with a clamping collar to slide on a standard and having lateral extensions at the lower end provided with upper concave bearing faces located at the outer terminals of the extensions, parallel guide flanges located at opposite sides of the bearing faces and carried by the said extensions, leg supports having bearing members provided with lower convex bearing surfaces fitting the said concave bearing surfaces and provided with longitudinal slots, said bearing members being slidable between and guided by said parallel flanges and held by the same against rotary movement, and fastening devices extending through the slots and provided with means for clamping the bearing members in sliding adjustment.

1,734,577. INSTRUMENT SUPPORT FOR MUSIC STANDS. WILLIAM HENRY, Newark, N. J. Filed Apr. 20, 1927. Serial No. 185,133. 1 Claim. (Cl. 248-40.)



In a music stand having a clamp collar provided with lateral lugs by which the collar may be contracted, a stud having screw threaded extension at one end to pass through openings in said lugs, a second stud having a sleeve portion to engage said threaded extension, and a resilient fork at the outer end of the last named stud.

1,734,578. STOVE. HERMAN HERRENBRUCK, Belleville, Ill., assignor to Orbon Stove Co., Belleville, Ill., a Corporation of Delaware. Filed June 14, 1928. Serial No. 285,245. 12 Claims. (Cl. 126-67.)

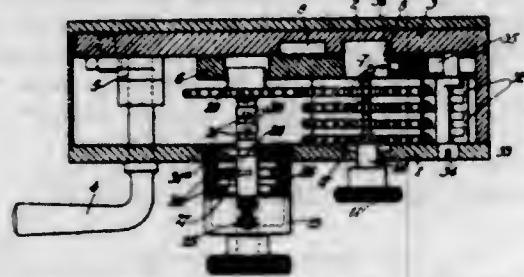


3. A fuel burning stove including a rear wall and side walls, louvers in said side walls, liners supported between said side walls and said stove and having their lower ends near and spaced inwardly from the upper ends of said louvers, a liner between said stove and said rear wall and extending below the lower ends of said first named liners, and damper devices supported within said casing for retarding and controlling the ascent of air between said stove and said side walls.

1,734,579. PERMUTATION LOCK. EDWARD LAWRENCE HIGGINS, Sidcup, England. Filed Apr. 17, 1926. Serial No. 102,631, and in Great Britain May 13, 1925. 9 Claims. (Cl. 70-53.)

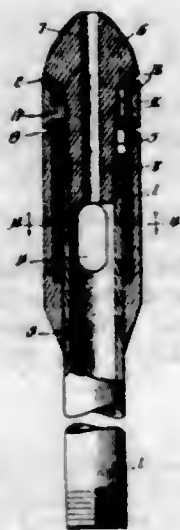
1. A combination or permutation lock, including a bolt, a slidable element, a plurality of rotatable locking

members mounted coaxially thereon, means for permitting axial movement of said element in and out of engagement with said bolt in pre-arranged positions of said locking members, a series of rotary indicating members, and a rotary actuating member axially adjustable to bring



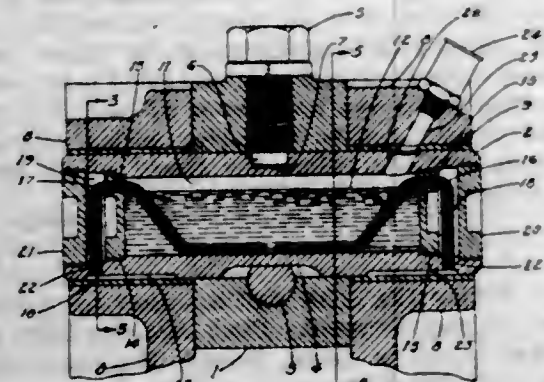
it into engagement with any one of said locking members and simultaneously with the corresponding one of said indicating members whereby the positions of the locking members are made dependent upon the positions of the indicating members.

1,734,580. SPRAYING DEVICE. IRVING R. HIPPEMEYER, Waukegan, Ill., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 20, 1926. Serial No. 136,410. 2 Claims. (Cl. 299-141.)



1. A device of the class described, comprising a tube, a spaced sleeve sealed at one end upon said tube and terminating adjacent the end of said tube, the space between said tube and said sleeve having communication with the interior of said tube, a member removably secured at the end of said tube having a head spaced from the end of said sleeve and having a passage therethrough communicating internally with said tube, and a ring loosely mounted on said member and positioned between said head and said sleeve end, said ring being adapted to form spray orifices with said head and said sleeve end.

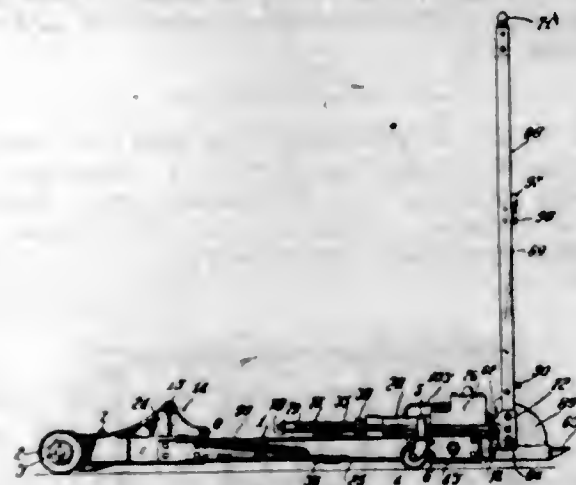
1,734,581. SELF-LUBRICATING PIN. GEORGE B. INGERSOLL, Dearborn, Mich., assignor to Federal Motor Truck Co., Detroit, Mich. Filed May 5, 1927. Serial No. 189,056. 7 Claims. (Cl. 308-120.)



1. In a self-lubricating pin having an outer bearing surface, the combination of a lubricant reservoir having

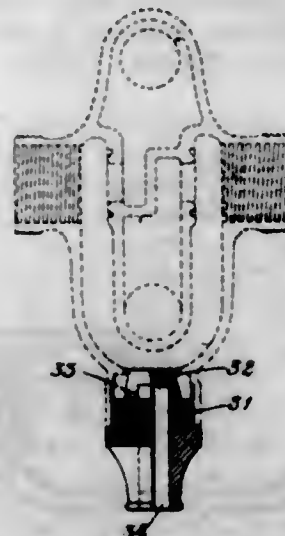
closed ends, the said lubricant reservoir being contained within the length of the outer bearing surface of the pin, an auxiliary chamber adjacent one end of the said reservoir, the said auxiliary chamber being contained within the length of the outer bearing surface of the pin, a passage connecting the said auxiliary chamber and the said reservoir, a second passage connecting the said auxiliary chamber and the bearing surface of the pin, and a wick disposed within the said reservoir, the said first-mentioned passage, the said auxiliary chamber, and the said second passage.

1,734,582. HYDRAULIC LIFTING JACK. VICTOR JAKOB, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Nov. 17, 1927. Serial No. 233,817. 12 Claims. (Cl. 135-9.)



1. A lifting jack comprising a carriage, load-lifting means at the front end of the carriage comprising a swinging lever-arm, a hydraulic power unit pivotally mounted in the rear end of the carriage to permit a swinging movement in the same plane as the lever arm, the unit comprising a main cylinder, a reservoir, a pump, valved connections for controlling the flow of the motor fluid between the pump, cylinder and reservoir, a piston in the cylinder, a piston rod rigid with the piston and pivotally connected with the lever-arm, the pump comprising a piston having a forwardly projecting portion, a crosshead pivotally connected with the piston, a main operating lever pivoted at the rear end of the carriage, and links connecting the crosshead with the operating lever.

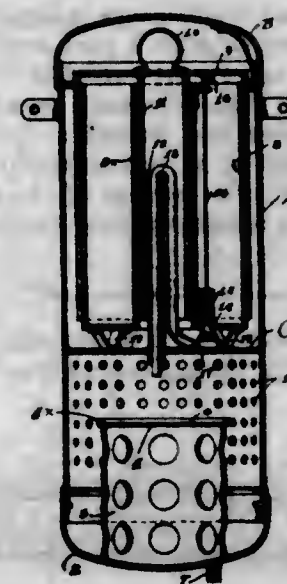
1,734,583. SYSTEM OF PREDETERMINED CONSTANT WATER SUPPLY AND FAUCET NOZZLE THEREFOR. SAMUEL KRISTEN, Chicago, Ill. Filed Aug. 21, 1925. Serial No. 51,707. 6 Claims. (Cl. 137-79.)



3. A removable nozzle for use on water faucets comprising a tubular member with exterior threads adapting

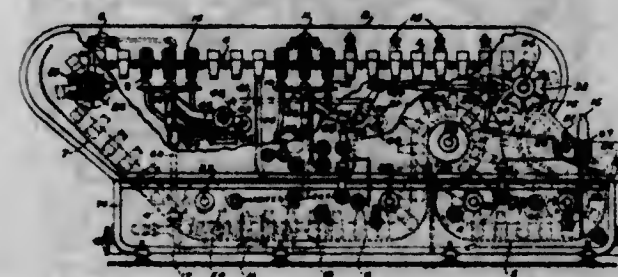
it to be screwed into a faucet, a relatively long portion extending below the threads, and an interior cone portion extending upwardly from the threads, a relatively large tubular passageway being provided and extending through the entire nozzle up to the cone, and radially disposed openings being provided at the base of the cone and connecting with said longitudinal passageway, the total area of said openings being considerably less than the area of said longitudinal passageway.

1,734,584. DRIP DISINFECTING APPARATUS. LOUIS KOOPERSTEIN, New York, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 172,965. 1 Claim. (Cl. 299-28.)



In devices of the character described, a barometric feed device for use in combination with a canister having a horizontal supporting wall and a wick device passing through an aperture in said wall and leading to an evaporating pan carried by the canister below said wall, said barometric feed device comprising a reservoir member formed with a centrally located upwardly projecting wick receiving tube, and a cover member having a depending tube adapted to lie in telescopic relation to the upwardly projecting tube, a valve rod supported vertically in bearings supported by the reservoir member, and passing through an opening in the base of said member, a valve carried by the rod, a spring engaging the valve to normally close the same, the arrangement being such that when the cover member is placed in position its top wall engages the rod and moves the valve against the tension of said spring.

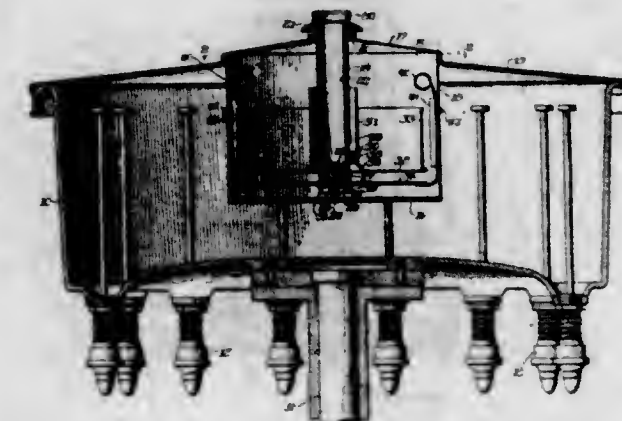
1,734,585. APPARATUS FOR WASHING BOTTLES. ARCHIE E. LADEWIG and GEORGE F. SOHLCH, Waukegan, Wis., assignors, by mesne assignments, to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1924. Serial No. 744,594. 4 Claims. (Cl. 141-7.)



1. In combination, a basin having liquid therein, a conveyor for transporting bottles through the liquid in said

basin, intermittently operable means for delivering bottles to said conveyor in partially inverted position, and a trough beneath said means adapted to receive drainage from said bottles while held in said means.

1,734,586. AUTOMATIC LIQUID-SUPPLY VALVE. OLAF LARSEN, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 18, 1928. Serial No. 247,535. 10 Claims. (Cl. 137-68.)



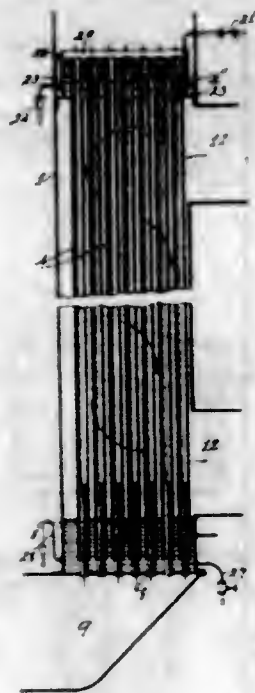
1. In combination with a rotatable reservoir and a pipe for supplying liquid thereto, a support mounted in constant relation to said rotatable reservoir, a tubular structure connected to said pipe and extending into said reservoir, one end of said tubular structure having a pivotal bearing upon said support, a discharge orifice in said tubular structure and a float-operable valve for controlling said orifice.

1,734,587. HAND BAG. JOSEPH N. LOWE, New York, N. Y. Filed July 18, 1927. Serial No. 206,568. 10 Claims. (Cl. 206-8.)



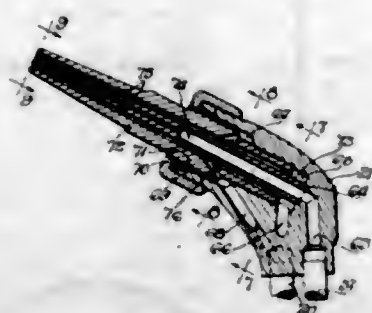
10. A hand bag provided with an interior pouch secured around the marginal portion of the wall of the bag, and the bag and pouch having opposite, adjacent, mouths, the place of securement of the pouch to the bag being the portion of the pouch which is remote from its mouth, the pouch being collapsible from its mouth inwardly into the bag, and the pouch having such capacity when filled as to occupy substantially the interior space of the bag.

1,734,588. AIR HEATER. CHARLES E. LUCKE, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Dec. 10, 1927. Serial No. 239,098. 15 Claims. (Cl. 257-224.)



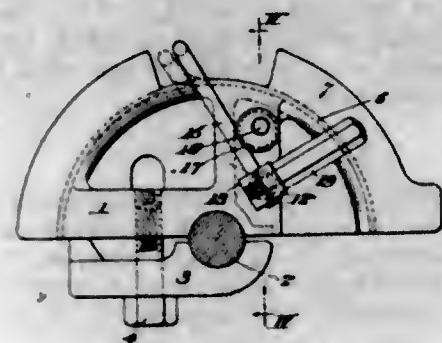
1. In a device for transferring heat from one gas to another, tubes, tube sheets at opposite ends of said tubes with open spaces between said gases, and liquid seals in said spaces.

1,734,589. CUTTING AND WELDING TORCH. ROBERT D. McINTOSH, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 13, 1924. Serial No. 749,738. 5 Claims. (Cl. 158-27.4.)



1. In a cutting and welding torch, the combination with a handle and three associated valve mechanisms, of a head block comprising an inlet end having three passages into a cylindrical recess which has a seat for the inlet end of a tip located at the center of its bottom with one of the aforesaid three passages opening into the center of said seat and with another of the aforesaid three passages opening into the side of the recess near its bottom, the enlarged outer end portion of said recess connected with the main body thereof by an offset and the third of the aforesaid three passages opening into the enlarged outer end portion, connections between the valves and the head block including three conduits communicating with the aforesaid three passages into the head block, a one-piece tip cooperating at its inner end with the aforesaid seat and having its end adjacent thereto reduced to form an annular chamber into which the second of the aforesaid three passages opens, and having an intermediate-sized portion filling and closing the recess between the second and third of the aforesaid three passages and having an enlarged portion where it emerges from the head block, and means for closing the outer end of the recess and forming a gas tight joint between it and the adjacent surface of the enlarged portion of the tip.

1,734,590. SLUB CATCHER. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed May 13, 1927. Serial No. 191,079. 5 Claims. (Cl. 28-64.)



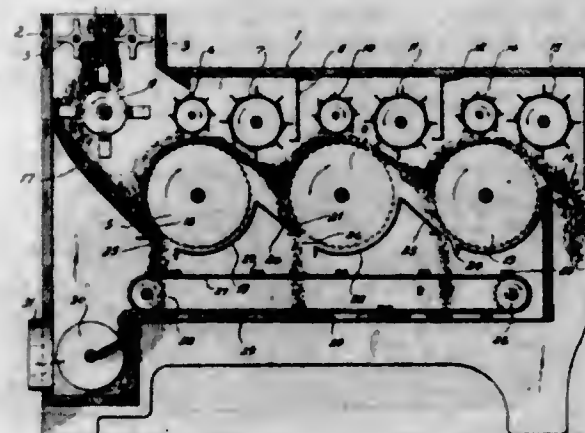
1. In a slub catcher, a stationary member having a semi-circular surface provided with a yarn receiving groove of considerable length to present extended wearing surfaces for the yarn, a hook shaped movable member mounted on the stationary member and having a tooth arranged in position to be engaged by an enlargement of the yarn and moved thereby toward the bottom of the groove to sever the yarn, and means tending to hold the movable member in its open position.

1,734,591. BEARING. ALLEN O. MILLER, Seattle, Wash. Filed June 29, 1925. Serial No. 40,156. 1 Claim. (Cl. 308-72.)



In a bearing of the character described, a journal housing of cylindrical form adapted to receive a shaft coaxially therein, a lining sleeve fitted within the housing about the shaft and caps fitted into and secured to the ends of the housing to retain the sleeve in place, said caps having annular recesses in their inner faces about the shaft into which the ends of said sleeve are projected.

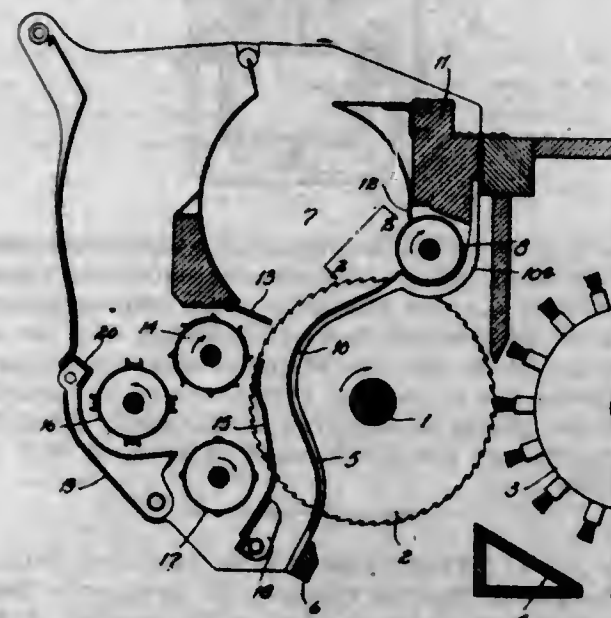
1,734,592. COTTON SEPARATING AND CLEANING MACHINE. JOHN E. MITCHELL, St. Louis, Mo. Filed Jan. 21, 1927. Serial No. 162,597. 5 Claims. (Cl. 19-36.)



1. In a machine of the class described a plurality of cotton separating and cleaning units arranged in operative

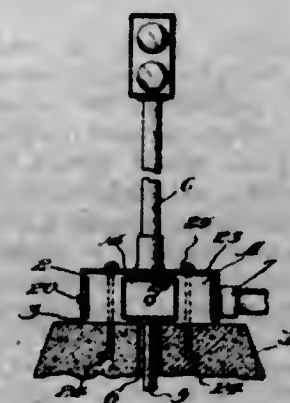
relation to but independent of each other and in a substantially horizontal plane, each unit comprising a saw cylinder and a hullboard providing a space for the discharge of hulls and trash past the saw cylinder, and a doffer mounted in spaced relation to each saw cylinder and operating to remove from the saw cylinder the cotton separated thereby from the hulls and trash, together with such hulls and trash as may adhere to the separated cotton, and to deliver the same to the next saw cylinder in succession, each succeeding saw cylinder having its working surface moving in a direction opposed to that of the cotton thrown upon it by the doffer of the preceding saw cylinder.

1,734,593. COTTON GIN. JOHN E. MITCHELL and ORVILLE MITCHELL, St. Louis, Mo. Filed Jan. 8, 1928. Serial No. 244,076. 6 Claims. (Cl. 19-56.)



1. In combination with a gin affording a roll-box with ginning saws working therein, a roller mounted above, in proximity to, and positively driven in the same direction as the ginning saws, with a portion of its movable surface positioned to be in engagement with the ginning roll in the roll-box, and stationary ribs mounted between the ginning saws and defining spaces through which the saws revolve, the upper ends of said spaces terminating a short distance above the ginning saws in such close proximity to the surface of the roller as to enable the latter to maintain the upper ends of said spaces free of accumulated cotton.

1,734,594. AUXILIARY BASE FOR SIGNAL AND CABLE POSTS. JAMES H. MOLLOY, Chicago, Ill., assignor to The Railroad Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 2, 1927. Serial No. 188,891. 2 Claims. (Cl. 247-1.)

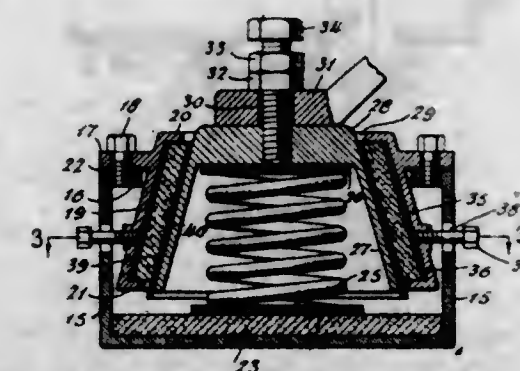


1. A base for a signal post comprising a housing structure having means for securement to a foundation and also having provision for the mounting of a signal post thereon, with communication between the interior of the housing and the interior of the signal post, said housing structure having openings in its side walls provided with interchangeable outlet fittings and closure plates.

1,734,595. BONDED REFRACTORY. JOHN D. MORGAN, Maplewood, N. J., assignor to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 17, 1927. Serial No. 169,149. 9 Claims. (Cl. 106-9.)

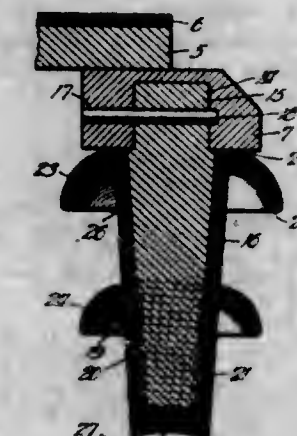
7. A method of making refractory articles from a mixture of zircon and monazite sand comprising treating the mixture with a mineral acid and firing the mixture.

1,734,596. ANTIVIBRATION SUPPORT. SIEGFRIED ROSENZWEIG, New York, N. Y. Filed Mar. 4, 1927. Serial No. 172,591. 4 Claims. (Cl. 248-16.)



1. An anti-vibration support comprising an outer housing, a spring casing located within said housing, spring mechanism co-operating with said casing, elastic fillers located between the housing and the casing, followers interposed between the fillers and the housing and means for adjusting said followers transversely to the direction in which the spring mechanism permits the casing to move relatively to said housing.

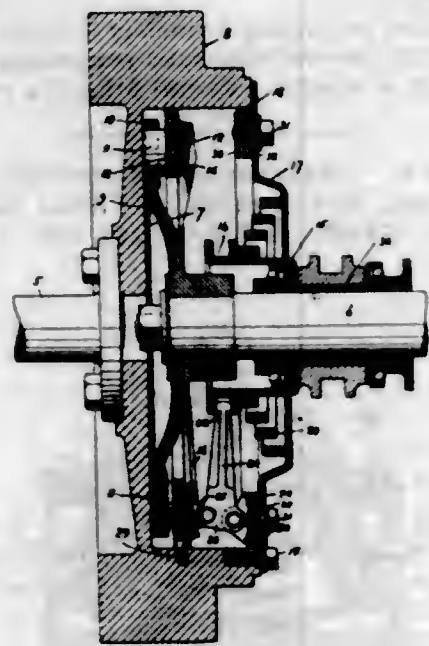
1,734,597. NONSKIDDING INSULATED STOOL. MORRIS B. SALISBURY, Chicago, Ill. Filed Jan. 9, 1928. Serial No. 245,478. 7 Claims. (Cl. 173-28.)



1. A protective device of the character described comprising a substantially flat top portion, a plurality of supporting legs therefor and flexible members of insulating material encasing said legs, said members having outwardly and downwardly projecting flanges thereon to maintain a dry section between the top and the bottom of said members.

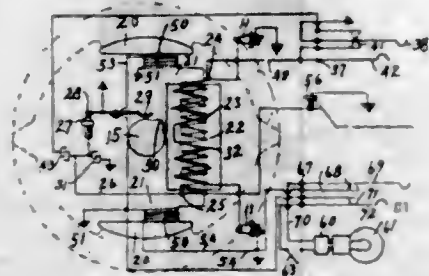
3. An insulating support and cover for the legs of a lineman's stool comprising a flexible insulating member having a socket therein for receiving a stool leg, said member having a downwardly and outwardly extending annular flange intermediate its ends to direct moisture falling on the upper portion thereof outwardly away from the lower portion thereof and thereby maintain a dry section directly beneath said flange.

1,734,598. POWER-TRANSMITTING FLEXIBLE COUPLING. HENRY N. SCHRAMM, West Chester, Pa. Filed Apr. 5, 1927. Serial No. 181,103. 2 Claims. (Cl. 64-106.)



1. A coupling including a driving shaft, a driven shaft substantially aligned therewith, a member carried by one of the shafts and provided with apertures extending in the direction of the axis of rotation, friction plugs loosely mounted in the apertures, friction plates mounted to rotate with the other shaft and arranged to contact with the opposite ends of the friction plugs, one of said plates being movable towards and from the other to clamp the friction plugs therebetween, and yielding means normally urging the movable plate towards the other plate to clamp the friction plugs whereby relative movements of the two shafts may occur without disarrangement of the friction plugs relative to the friction plates.

1,734,599. ELECTRICAL SYSTEM FOR OUTBOARD MOTORS. AUGUST SCHRIEL and HERBERT J. HILLBORN, Milwaukee, Wis., assignors, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich., a Corporation of Michigan. Filed Dec. 30, 1926. Serial No. 158,057. 10 Claims. (Cl. 171-97.)

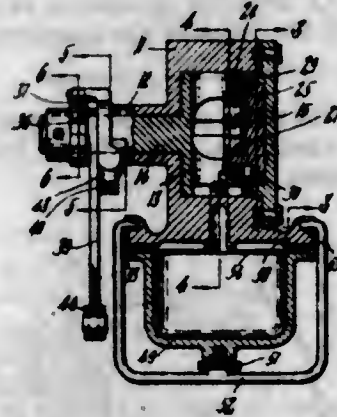


1. The combination with ignition and lighting circuits, a magneto normally connected to supply said circuits with current and an extraneous source of electrical energy, of means for alternatively connecting said extraneous source with either of said circuits.

1,734,600. VALVELESS ROTARY PUMP. EPHRAIM J. SCOTT, Boston, Mass., assignor to The A. L. Smith Iron Works, Chelsea, Mass., a Corporation of Massachusetts. Filed Mar. 28, 1929. Serial No. 350,649. 5 Claims. (Cl. 103-161.)

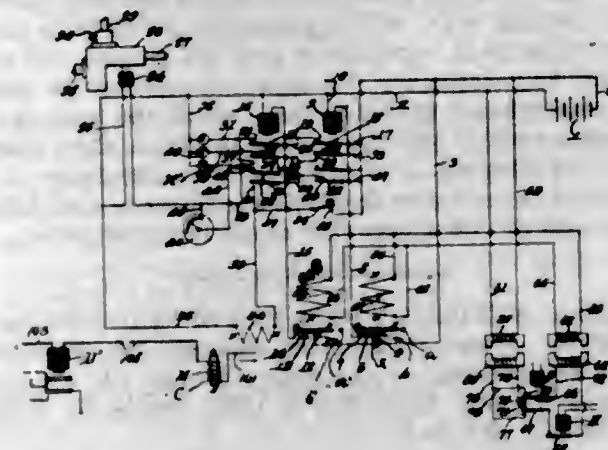
1. A rotary pump comprising a casing, a rotor mounted coaxially in said casing and having a central interior cavity and a passage extending from said cavity to its circumference, a plunger fitted to reciprocate in said passage

having a cam follower on its end within the central cavity, a cam entering said cavity constructed and formed to engage the cam follower and impart back and forth movement to the plunger with rotation of the rotor, means coupling the cam with the casing to prevent rotation of the cam while permitting translative movement thereof between positions wherein it is, respectively, concentric and eccentric to the casing, and a spring engaged with the cam and the casing tending to place and yieldingly hold the cam in its position of maximum eccentricity.



3. In a pump of the revolvable and reciprocative piston type, including a casing and a piston-actuating cam; means for anchoring the cam against rotation while permitting translative displacement thereof, consisting of a pin and slot connection at one side of the cam, and a spring at the opposite side of the cam acting thereon and reacting against the casing in directions substantially coinciding with the line of the slot element of said pin and slot connection.

1,734,601. INDUCTION-TYPE TRAIN CONTROL. ARCHIBALD G. SHAYER, Chicago, Ill., assignor to Regan Safety Devices Company, Inc., a Corporation of New York. Filed Nov. 8, 1920. Serial No. 422,598. 64 Claims. (Cl. 246-63.)

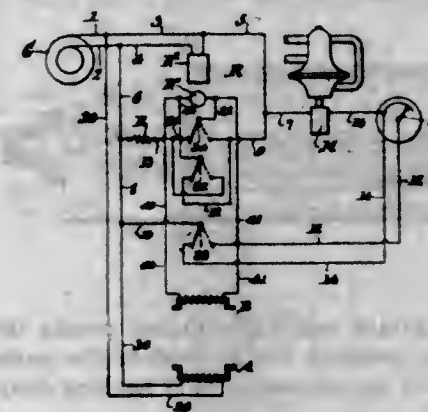


1. In a train control system, in combination, vehicle carried mechanism including circuit changing means, electrical provisions for controlling the operation of the same, a normally closed circuit for said provisions including a circuit make and break device, means for operating said make and break device at predetermined periods in the movement of the vehicle for operating the said provisions, and independent means operable in response to track conditions at substantially said predetermined periods for determining the further state of operation of said make and break device.

1,734,602. INDUCTION TRAIN-CONTROL SYSTEM FOR CURVE PROTECTION. ARCHIBALD G. SHAYER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 10, 1921. Serial No. 506,597. 12 Claims. (Cl. 246-63.)

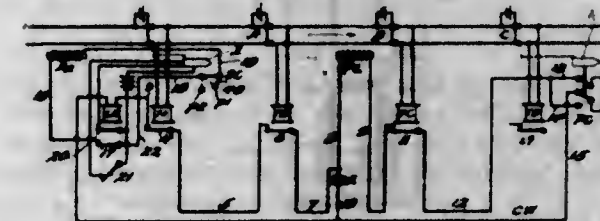
1. In a vehicle control system, vehicle control mechanism, roadside means located at the entrant end of a curve

for producing a control condition in said mechanism and means for modifying such condition including a roadside magnetic device located at the exit end of the curve, a



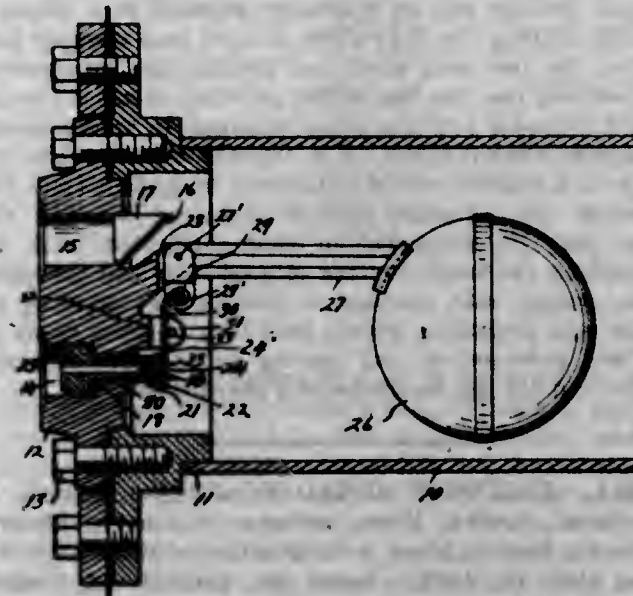
vehicle magnetic means cooperating therewith in the movement of the vehicle, and a vehicle carried source of energy for energizing the said vehicle magnetic means by way of the roadside magnetic device.

1,734,603. TRAIN-CONTROL SYSTEM. ARCHIBALD G. SHAYER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed July 19, 1926. Serial No. 123,335. 21 Claims. (Cl. 246-63.)



1. In a train controlled block signaling system of the type having a normally closed electric circuit energized by direct current disposed on the roadside substantially the entire length of each block for operating the block signals, an inductor connected to an intermediate point of said circuit adapted to cooperate with corresponding alternating current devices carried by a train to give an indication on the train of the condition of the remainder of the block, and means whereby an alternating current circuit is established for the said inductor when a train reaches the vicinity of said inductor.

1,734,604. FLOAT VALVE. LAWRENCE C. SMITH, Detroit, Mich. Filed Dec. 12, 1927. Serial No. 239,587. 6 Claims. (Cl. 137-104.)



1. A float chamber for refrigerating apparatus having inlet and outlet passages therein for a refrigerating medium

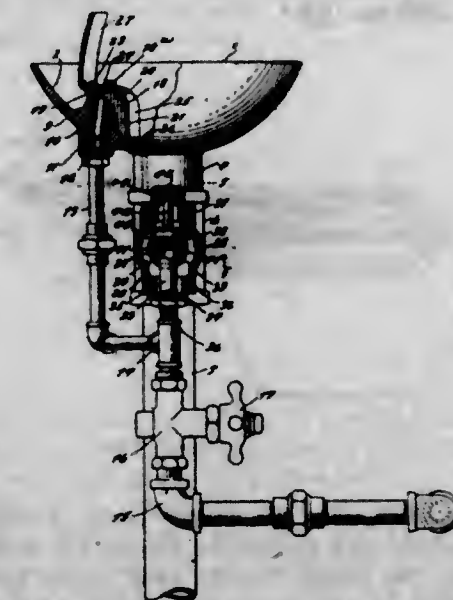
and a detachable valve assembly comprising a valve seat and valve threadedly engaging one of said passages for controlling the flow of refrigerant therethrough, said valve assembly being adapted to be removed from a point exteriorly of the chamber.

1,734,605. CORD TAKE-UP AND PROTECTOR. LUCY C. SMITH, Chicago, Ill. Filed Aug. 21, 1926. Serial No. 130,733. 1 Claim. (Cl. 173-367.)



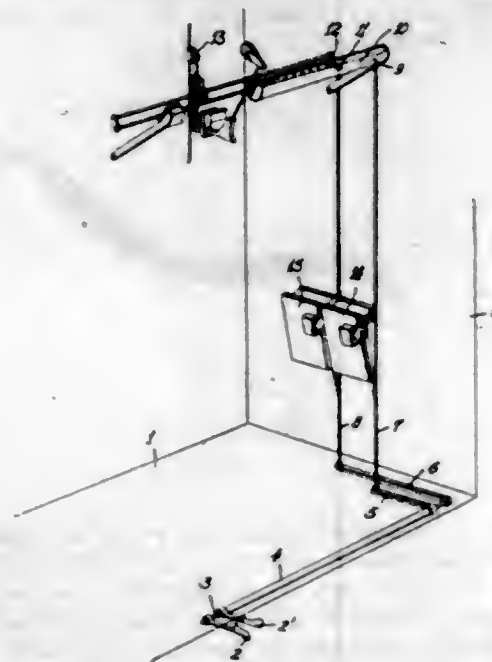
An electric cord and a take-up and protector comprising a helical resilient sheath completely surrounding the cord and having attaching means at opposite ends, said cord and said sheath terminating at said attaching means, said cord being wholly contained within the sheath and having a plurality of freely formed convolutions within this sheath whereby the entire device may be freely elongated and will automatically shorten when released.

1,734,606. DRINKING FOUNTAIN. WILLARD FELTON STAMM, Buffalo, N. Y., assignor to American Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed June 2, 1925. Serial No. 34,350. 11 Claims. (Cl. 299-13.)



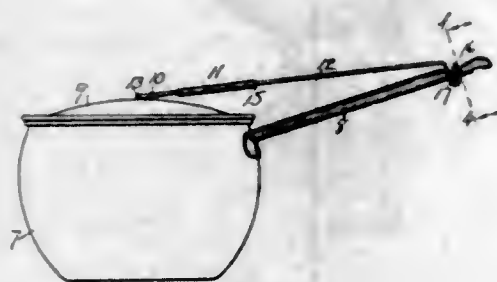
1. A drinking fountain comprising a receptacle having a discharge orifice and a waste outlet, a supply conduit leading to said orifice, a drain conduit leading from said waste outlet, a casing external of said receptacle and communicating with both said conduits, a vertical open-ended tube in said casing and communicating with said supply conduit and opening into said casing, and a gravity valve responsive to fluid pressure in said tube and including a perforated skirt slidably mounted on said tube, said valve having a closed upper end overlying the open end of said tube and adapted to close the same when the valve gravitates to closed position.

1,734,607. PEDAL-OPERATING MECHANISM. CHARLES F. STODDARD, New York, N. Y., assignor to American Piano Company, New York, N. Y., a Corporation of New Jersey. Filed June 1, 1923. Serial No. 642,748. 3 Claims. (Cl. 84-34.)



1. In an automatic musical instrument, a power pneumatic; means through which said pneumatic may be collapsed; and means whereby the force exerted by said pneumatic is maintained substantially constant throughout its collapsing movement.

1,734,608. KETTLE COVER. JOHN ANDERSON, Portland, Conn. Filed Sept. 28, 1928. Serial No. 308,983. 2 Claims. (Cl. 53-8.)

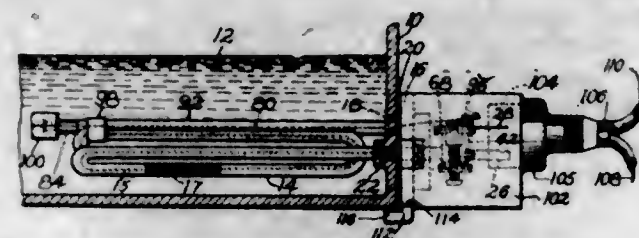


1. In combination with a kettle cover, a cover handle attached thereto and projecting therefrom sufficiently to extend along the kettle handle, said cover handle being formed of wire in two separated lengths bent downwardly to engage opposite sides of the kettle handle and prevent lateral movement of the cover handle independently of the kettle handle.

1,734,609. THERMALLY-CONTROLLED HEATING APPARATUS. IRVING B. ANDERSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 13, 1926. Serial No. 88,054. 22 Claims. (Cl. 219-38.)

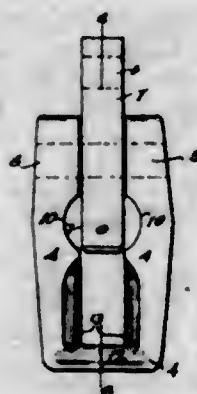
1. In combination a receptacle for a substance to be heated, a heating device arranged to be submerged in such substance, means for conducting a current of heating medium to said device, means tending normally to interrupt

the supply of such medium, and controlling means in thermally conductive relation to said heating device and



arranged to maintain said interrupting means initially in non-interrupting position but to release the same in consequence of partial uncovering of said heating device.

1,734,610. BULL-HOOK DEVICE. ROBERT BANKS, Aliso, British Columbia, Canada. Filed Nov. 22, 1928. Serial No. 321,187. 2 Claims. (Cl. 24-123.)

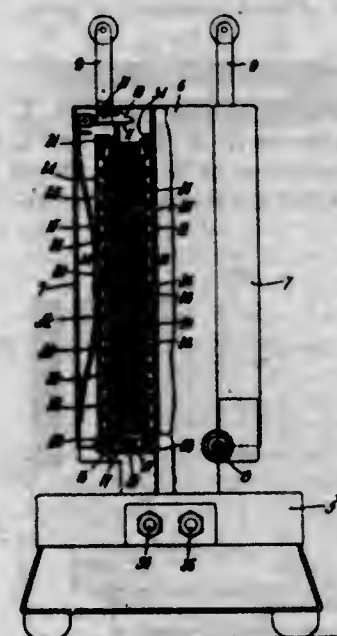


1. A bull hook device comprising, an open-ended loop member of substantially U-shaped form, opposite and corresponding rivet apertures adjacent the open ends of said loop member and adapted to receive a pin secured therein so as to form a complete link, an open channel in the loop end of said member on one side thereof and centrally disposed on the longitudinal centre line of said member, the interior longitudinal sides of said loop member adjacent its loop extremity being adapted to form a supporting recess for a thimble whereby the said thimble may be inserted from one side of the said member to lie in the said recess but cannot be inserted from the other side, the inner surface of the loop portion of said loop member and forming the end of said recess being right-angular to said centre line and thereby adapted to form an abutment for the end of a thimble secured to a cable, a pivot pin uniting the open ends of said loop member and engaging the two said apertures therein, the intervening space between the two legs of the said loop member beyond the said recessed portion being enlarged to freely admit the passage therethrough of a thimble whereby the extremity of a thimble ended cable may be passed from the channelled side through said enlargement so that the thimble may lie supported in said receptacle, with its end abutting the inner surface of said loop and the cable may lie within said channel, a shackle bar pivoting on said pin and extending within said loop member so as to block said enlargement and having an aperture adjacent its outer end for the reception of a shackle pin.

1,734,611. ELECTRIC BREAD TOASTER. DANIEL L. CHANDLER, Boston, Mass., assignor to Champ Electric Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 14, 1927. Serial No. 240,057. 3 Claims. (Cl. 219-19.)

3. In a toaster, a heat radiating member of pressed sheet material provided with a plurality of parallel grooves

having seat portions extending transversely thereof, a heating element located within said grooves and resting upon said seat portions, an insulating material adhering to said radiating member at the sides thereof and at the



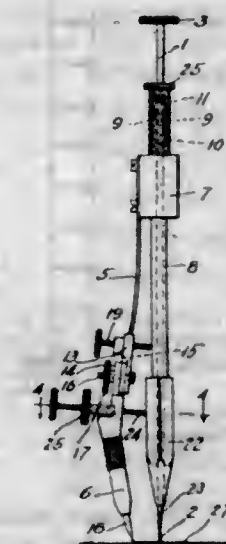
seat portions, a strip of insulating material resting upon said heating element at the seat portions, and wires extending through the ridges and engaging the strip of insulating material and holding the heating element upon the seat portions.

1,734,612. FISHHOOK. CHARLES S. COLEMAN, Los Angeles, Calif. Filed July 31, 1928. Serial No. 296,494. 2 Claims. (Cl. 43-36.)



1. A fish hook comprising an inner cylinder, an outer sleeve slidably mounted upon said cylinder, a plurality of spring wires mounted in said inner cylinder, and having hooks formed at their outer ends which hooks are adapted to normally extend outward, a second set of spring wires mounted in said inner cylinder and having bent portions at their outer ends, means on the said second set of wires for lightly holding said outer sleeve upon being slid to an extended position relative to said inner cylinder, and means for yieldingly urging said outer sleeve to return to normal position.

1,734,613. DRAFTING INSTRUMENT AND ATTACHMENT. HARRY LEE CORWIN, Los Angeles, Calif. Filed Feb. 28, 1927. Serial No. 171,180. 7 Claims. (Cl. 33-27.)



1. A drafting instrument comprising a central member, a template member secured thereto, a scribing member, means secured to said scribing member and mounted for rotation about said central member, said scribing member having scribing means thereon and also having means tending to hold said scribing means inwardly toward said central member, and an adjusting screw mounted on said scribing member for movement toward or away from said template member and having its inner end adapted to slidably engage the outer face of said template member so as to limit inward movement of the scribing means.

1,734,614. TOOL CHUCK. CAROLA M. CRAM, Springfield, Vt. Filed Aug. 15, 1927. Serial No. 212,857. 2 Claims. (Cl. 279-99.)

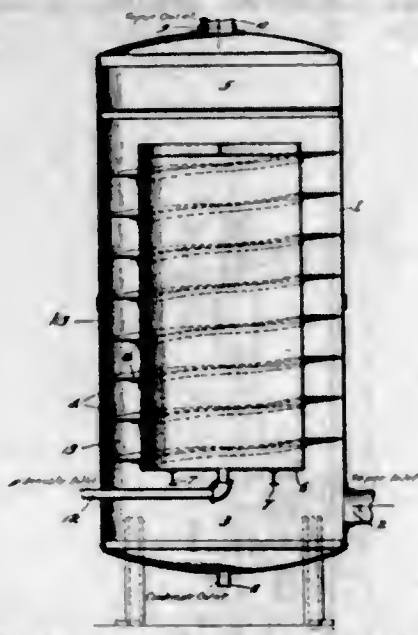


1. A tool chuck, comprising, in combination, an interiorly threaded tubular housing, and a plurality of like co-acting jaws, each jaw having a frusto-conical shape and also a spiral thread, a portion of the thread on each jaw engaging the thread in the housing, and other portions of the thread on each jaw engaging the like threads on the adjacent jaws, each jaw further having a plurality of longitudinal chambers, said chambers interrupting the threads on the jaw, and the several jaws being adapted for arrangement in the housing for presenting like chambers in registration to form a tool shank holder.

1,734,615. DEPHLEGMATOR. WALTER M. CROSS, Kansas City, Mo., assignor to Clayton Oil and Refining Company, Dallas, Tex., a Corporation of Delaware. Filed Nov. 14, 1923. Serial No. 674,678. 2 Claims. (Cl. 257-36.)

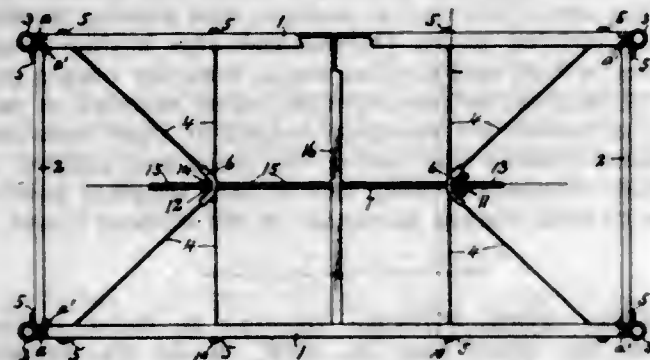
1. A dephlegmator of the character described, having inlet and outlet ports, an open top container of less diameter than the dephlegmator shell positioned therein,

separate condensate draw off pipes from the inner container and outer shell, a continuous spiral baffle plate af-



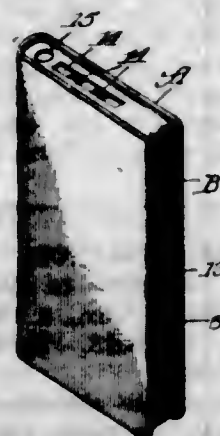
fixed to the periphery of the inner container, the said baffle being spaced from the outer shell and out of contact therewith.

1,734,616. BED STAY. JOHN HENRY DE BOER, Syracuse, N. Y. Filed July 7, 1923. Serial No. 42,013. 1 Claim. (Cl. 5-306.)



In a bed stay, the combination with stay wires extending from the corners of a bed frame to the side rails of the bed, and a threaded rod extending longitudinally and centrally of the bed frame of a pair of riders of substantially V-shape mounted on said rod, grooved on their convex sides and movable lengthwise thereof, a nut mounted on said rod and operable to adjust one of said riders, a collar mounted on said rod and abutting against the other rider, a set screw carried by said collar and engageable with said rod at different positions, said rod being notched at intervals to receive said set screw.

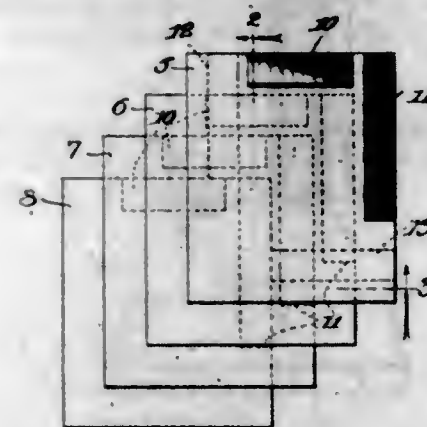
1,734,617. SAVINGS BANK. CHARLES FISHER, Newark, N. J., assignor to The Automatic Recording Safe Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1928, Serial No. 280,281, and in Great Britain Apr. 24, 1928. 1 Claim. (Cl. 232-4.)



A book-form savings bank comprising a U-shape casing having its side-walls equipped at their inner surfaces with

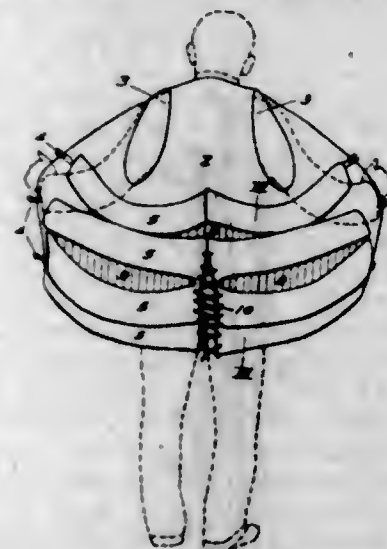
reinforcing plates; an internal reinforcing strip secured to the back of said casing and having forwardly turned extremities affording interlock flanges; and a U-shape closure corresponding with the edges of the leaves of a book, said closure having intumed flanges abutting against the edges of said reinforcing plates, the extremities of said flanges being provided with slots interlockingly engaging the flanges of said reinforcing strip.

1,734,618. SHEET HOLDER. PHILIP A. FRAZIER, Chicago, Ill., assignor to R. R. Donnelley & Sons Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1923. Serial No. 302,422. 4 Claims. (Cl. 211-55.)



1. A sheet-holder comprising a sheet-supporting portion and inclined means positioned to be engaged by adjacent edges of each sheet of a pile thereof applied to the holder and operating to cause sheets to assume fan condition in a plurality of directions at angles to each other.

1,734,619. LIFE PRESERVER. STEVE GATES, Brad-dock, Pa. Filed May 7, 1927. Serial No. 189,585. 3 Claims. (Cl. 9-20.)

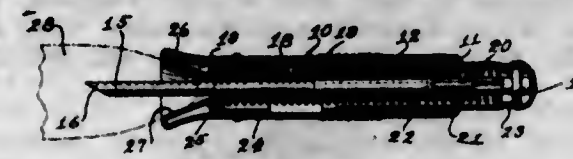


1. In a life preserver, the combination with a loosely fitting garment having arm holes and front attaching clasps, of a series of transversely arranged completely tubular buoyant units each consisting of a completely enclosing wall of flexible fabric having a filling of buoyant substance, each said units being formed of a laterally arranged annular wall flexibly attached to the garment inwardly of its opposite rounded edges for relative movement, the main fabric of the garment forming the back wall of the unit.

1,734,620. CIGAR PIERCER. AUGUST GIACOPINI, Torrington, Conn. Filed Mar. 5, 1928. Serial No. 259,099. 3 Claims. (Cl. 131-20.)

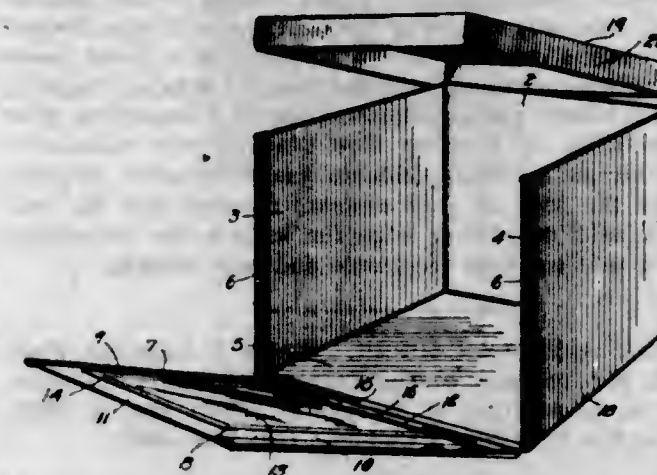
1. A cigar piercer, including a telescopic casing having a tubular body member with inwardly projecting abutment

means at its rear end and a rearward tubular member passing through said abutment means and having at its forward end outwardly extending abutment means to co-operate with the first abutment means at the front thereof, a tubular cutter secured at its rear end to the rearward tubular member, a tubular guide for the cutter having at its forward end outwardly extending abutment means, a



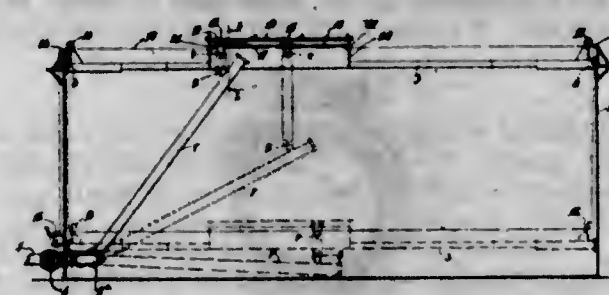
helical spring surrounding said guide and interposed between the rearward tubular member and the abutment means on the guide, and an externally threaded tubular member screwed into the forward end of the tubular body member and having abutment means extending inwardly to co-operate with the abutment means at the forward end of said guide.

1,734,621. DISPLAY BOX. ISAAC GOLDBERG, Kansas City, Kans. Filed May 23, 1927. Serial No. 193,407. 1 Claim. (Cl. 206-44.)



In a display case of the character described, a box comprising a floor, equal side walls of equal length with the floor, and a rear wall, the top and front of the box being open, a door having a slight opening, a transparent member of relatively thin material having edges extending over the portions of the door adjacent the opening, including a lower edge in spaced relation with the lower margin of the door, a reinforcing strip attached to the lower edge of the door on the inner face thereof, and extending over the lower edge of the transparent member to bind said lower edge to the door, means attaching the other edges of the member to the door, a flexible hinge attached to the floor and to the reinforcing strip, and a lid having flanges engageable with the walls and door for latching the door in closed position.

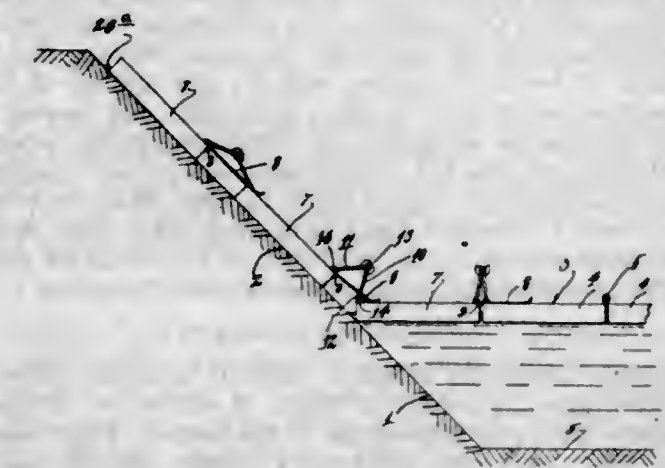
1,734,622. FLOATING DECK AND SWING PIPE THEREOF. ALVAH M. GRIFFIN, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif., a Corporation of California. Filed Feb. 23, 1927, Serial No. 170,171. Renewed May 11, 1929. 4 Claims. (Cl. 220-26.)



1. A device of the class described comprising a tank, a floating deck for the tank, a swing pipe, means for sup-

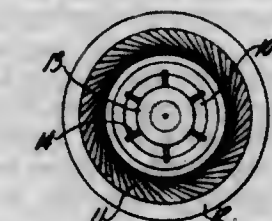
porting the free end of said swing pipe from the floating deck, said means including means automatically maintaining the swing pipe in fixed position with relation to the tank during vertical motion of the deck.

1,734,623. FLOATING DECK FOR RESERVOIRS. ALVAH M. GRIFFIN, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif., a Corporation of California. Filed Sept. 27, 1927. Serial No. 222,330. 4 Claims. (Cl. 220-26.)



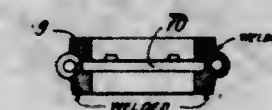
1. The combination with a reservoir having sloping side walls, of a floating deck having a peripheral portion including a plurality of peripheral series of floating members and means for attaching said series of members together, said means including means adapted to permit the distance between adjacent series of members to increase when said members are landed on the sloping side walls of the reservoir.

1,734,624. PISTON DIAPHRAGM HAVING TANGENTIAL CORRUGATIONS. HENRY C. HARRISON, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 16, 1926. Serial No. 102,454. 16 Claims. (Cl. 181-32.)



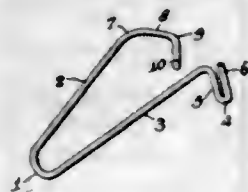
4. An elastic vibrational element having a stiffened circular central portion surrounded by a corrugated annular portion whose corrugations are tangential to and converge adjacent to each other along the periphery of the said circular central portion.

1,734,625. LINKED JEWELRY AND METHOD OF MAKING IT. OSCAR HEYMAN, New York, N. Y. Filed June 6, 1924. Serial No. 718,235. 7 Claims. (Cl. 59-80.)



2. The method of making jewelry units for linked jewelry which comprises rolling the edge portions of a bar of metal to form flanges of less thickness than the body of the bar, blanking pieces of unit length from said bar, piercing and cutting the rolled flanges to form material for two hinge knuckles on one side of the piece, and one on the other, bending said pierced and cut flanges back upon the piece, welding their ends thereto to form integral hinge knuckles and swaging the unit into final shape.

1,734,626. HAIRCLOTH AND BIB HOLDER. JOHN G. HULME, Chisholm, Minn. Filed Mar. 20, 1928. Serial No. 263,097. 1 Claim. (Cl. 24-261.)



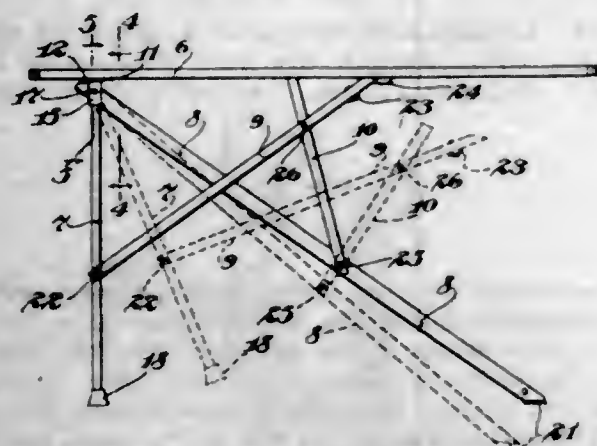
A hair cloth and bib holder consisting of a resilient elongated loop member, having the extremities of its arms provided with a U member and an end portion respectively, for holding cloth by squeezing the same between the U member of one of the arms, and the end portion of the other arm of the loop member, said other arm having a bend towards the U member, an elongated portion, a bend downward, and the end portion, said end portion adapted to cooperate with the arm of the U member, when the arms are normally tensioned away from each other from their contracted position by the resiliency of the elongated loop member, substantially as herein shown and described.

1,734,627. IRONING BOARD. JOHN E. KALGREN, Minneapolis, Minn., assignor to The J. R. Clark Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Sept. 17, 1927. Serial No. 220,273. 2 Claims. (Cl. 68-10.)



1. The combination with a board, of a pair of main legs pivoted to said board for forward folding movement, a toggle connecting said legs, and a non-collapsible thrust rod pivotally connected to the intermediate portion of said toggle at its lower end and pivotally connected at its upper end to said board at a point forward of the main leg pivots, whereby said toggle will be buckled and said legs drawn closer together when the latter are folded against the board.

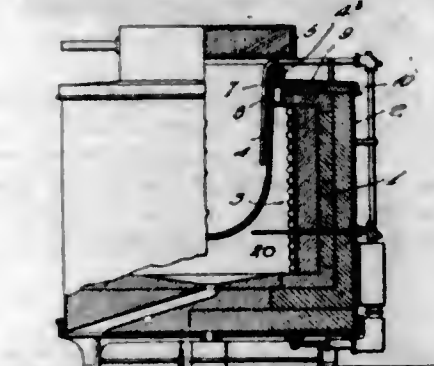
1,734,628. IRONING TABLE. JOHN E. KALGREN, Minneapolis, Minn., assignor to The J. R. Clark Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Apr. 12, 1928. Serial No. 269,451. 5 Claims. (Cl. 68-10.)



1. An ironing table comprising an ironing board, rear legs and an oblique leg pivoted to the rear end of the ironing

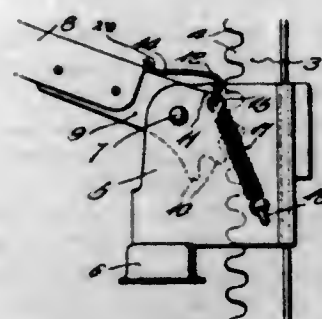
board, a brace in the form of a single stiff member pivoted to the rear legs and supporting the front end of the ironing board, and a strut pivotally connecting the oblique leg and brace.

1,734,629. POT FURNACE. LEON C. KOENIG, Cudahy, Wis., assignor to Hevi Duty Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 24, 1928. Serial No. 272,365. 4 Claims. (Cl. 263-11.)



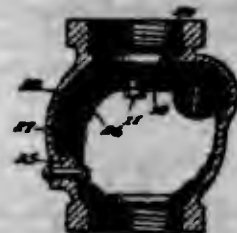
1. In a pot type furnace a housing terminating in an upstanding annular member, a seat formed in said annular member, said seat extending upwardly at each edge thereof and having a central portion disposed at a level lower than the level of the edges of the seat, a pot type receptacle having a rolled-over edge terminating in a depending skirt for providing an annular side beneath said rolled-over edge, and an annular yieldable gasket member disposed between the seat on said annular member and the seat beneath said rolled-over edge for sealing the connection between said pot type receptacle and said housing.

1,734,630. BOTTLE CAPPER. HARRY J. LEDBETTER, Frederick, Md., assignor to The Everedy Company, Frederick, Md., a Corporation of Maryland. Filed Feb. 8, 1928. Serial No. 252,826. 5 Claims. (Cl. 226-84.)



1. In a bottle capper a vertically extending rack, a capping head, a hand operating lever journaled in said capping head and having a toothed segment thereon engageable with the teeth of said rack, spring members extending from opposite sides of said capping head and a bridge member connected at opposite sides to each of said spring members, said bridge member extending along said hand operating lever and providing an abutment at a point beyond the pivot thereof.

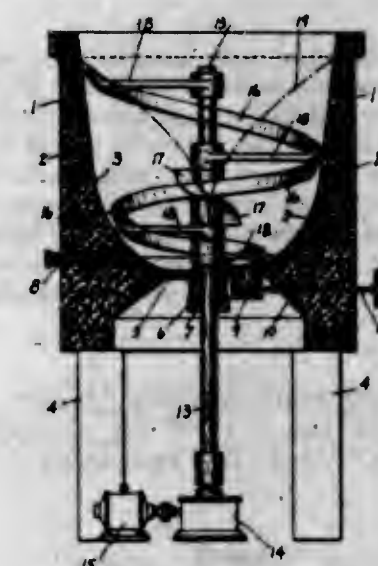
1,734,631. GAS SHUT-OFF VALVE. JAMES S. MCILHENNY, Washington, D. C. Filed Apr. 9, 1928. Serial No. 268,523. 5 Claims. (Cl. 251-10.)



1. A device of the character described, comprising a valve casing formed of a single casting having oppositely

disposed integral extensions, a valve stem fitted vertically within said extensions and casing, a laterally extending arm fixedly secured to said stem, a valve having a central inner extension seated upon the arm, said arm extending beyond the rear face of said valve, and means secured within the casing adapted to contact with the outer end portion of the arm when the valve is in closed position.

1,734,632. METHOD AND APPARATUS FOR BLEACHING PULP. ALBERT D. MERRILL, Watertown, N. Y., assignor, by mesne assignments, to The International Bleaching Corporation, a Corporation of Delaware. Filed Aug. 11, 1925. Serial No. 49,635. 21 Claims. (Cl. 8-2.)



1. In pulp bleaching, the method of moving a mass of pulp and bleaching agent, by imparting to the outside of said mass an upward movement, turning the same over toward the center of the mass and knowing the same to fall by gravity toward said center, then forcing the same downward at the center, toward the bottom of the mass.

14. An apparatus for bleaching pulp, comprising a tank, a vertical rotary shaft arranged in the tank, a spiral ribbon conveyor and agitator mounted on the shaft and arranged in close proximity to the inner surface of the tank, one end of the conveyor being positioned at a greater distance from the shaft than the other end of the conveyor.

1,734,633. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed Dec. 3, 1928. Serial No. 323,556. 9 Claims. (Cl. 18-53.)

1. Method of vulcanizing rubber or rubber compositions which comprises controlling the vulcanization with dibeta naphthyl nitroso-amine.

1,734,634. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,427. 35 Claims. (Cl. 18-53.)

1. Method of treating rubber or rubber compositions comprising adding thereto a vulcanizing agent, an organic ultra-accelerator and a di-substituted nitroso-amine containing hydrocarbon radicals as substituents.

1,734,635. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,428. 16 Claims. (Cl. 18-53.)

1. Method of vulcanizing rubber or rubber compositions with a vulcanizing agent and an organic accelerator characterized by controlling the action of the accelerator with a dinaphthyl nitroso-amine.

1,734,636. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,429. 24 Claims. (Cl. 18-53.)

1. Method of vulcanizing rubber or rubber compositions with a vulcanizing agent and an organic accelerator characterized by controlling the action of the accelerator with an unlike substituted nitroso-amine containing an aryl and a naphthyl substituent radical.

1,734,637. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,430. 16 Claims. (Cl. 18-53.)

1. Method of vulcanizing rubber or rubber compositions with a vulcanizing agent and an organic accelerator characterized by controlling the action of the accelerator with an aryl beta naphthyl nitroso-amine.

1,734,638. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,431. 24 Claims. (Cl. 18-53.)

1. Method of vulcanizing rubber or rubber compositions with a vulcanizing agent and an organic accelerator characterized by controlling the action of the accelerator with a diaryl substituted nitroso-amine containing a methyl radical in one of the aryl nuclei.

1,734,639. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,432. 16 Claims. (Cl. 18-50.)

1. Method of vulcanizing rubber or rubber compositions with a vulcanizing agent and an organic accelerator characterized by controlling the action of the accelerator with an aryl paratolyl nitroso-amine.

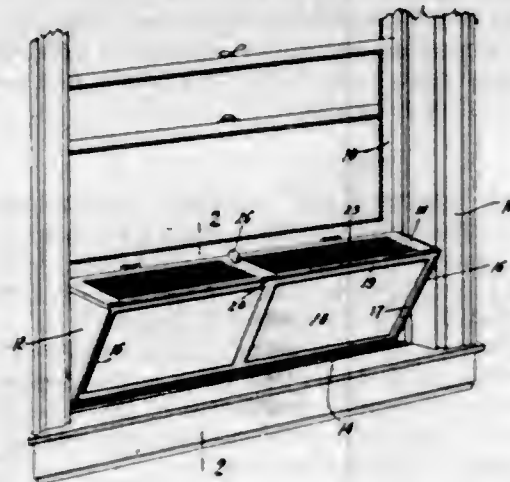
1,734,640. METHOD OF VULCANIZING RUBBER AND RESULTING PRODUCTS. HENRY B. MORSE, Danvers, Mass., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,433. 24 Claims. (Cl. 18-53.)

1. Method of vulcanizing rubber or rubber compositions with a vulcanizing agent and an organic accelerator characterized by controlling the action of the accelerator with a diaryl substituted nitroso-amine characterized by containing a methyl radical in both of the aryl nuclei.

1,734,641. WINDOW VENTILATOR. EUGENE J. NAY, New York, N. Y. Filed Nov. 17, 1928. Serial No. 320,095. 3 Claims. (Cl. 98-99.)

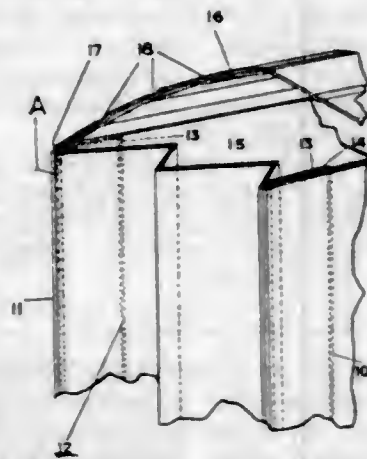
1. In combination with a window casing and a vertically slidable sash therein, of a pair of triangular plates secured to the vertical members of said casing immediately above the sill portion thereof so as to project into the room, a pair of channels formed in said plates in alignment with

one another, a deflecting frame slidable in said channels and resting upon said sill, the upper rail of said frame being spaced from said sash, horizontal flanges formed upon said plates below the upper rail of said frame, and



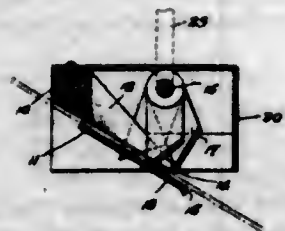
a screen frame hinged to said upper rail and adapted to rest on the flanges of said plates, the free longitudinal edge of said screen frame abutting against the lower rail of said sash when the latter is raised to permit access of air into the room through said screen frame.

1,734,642. ENVELOPE AND PORTFOLIO. OSCAR J. OLM, Minneapolis, Minn., assignor to Quality Park Envelope Company, St. Paul, Minn., a Corporation of Minnesota. Filed July 19, 1926. Serial No. 123,339. 2 Claims. (Cl. 229-68.)



1. An expandible wallet envelope and file having a body portion formed of stiff paper, end and bottom folding walls formed of cloth, a closure flap extending from one of the side walls of said envelope, a scoring line along the upper edge of said envelope to permit the closure flap to be opened easily, a lining member engaging said cloth bottom and walls and an extension upon said lining member extending over said scored line and reinforcing the envelope at the point of bend of said opening flap.

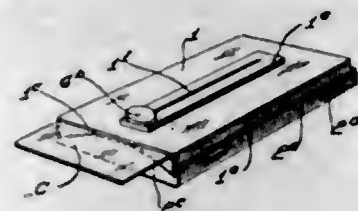
1,734,643. CUTTER ATTACHMENT FOR PAPER-TAPE MACHINES. JOSEPH OLSEN, Los Angeles, Calif. Filed Feb. 20, 1928. Serial No. 255,782. 3 Claims. (Cl. 164-39.)



1. An attachment for paper tape machines including a housing engageable with the machine, a shaft mounted

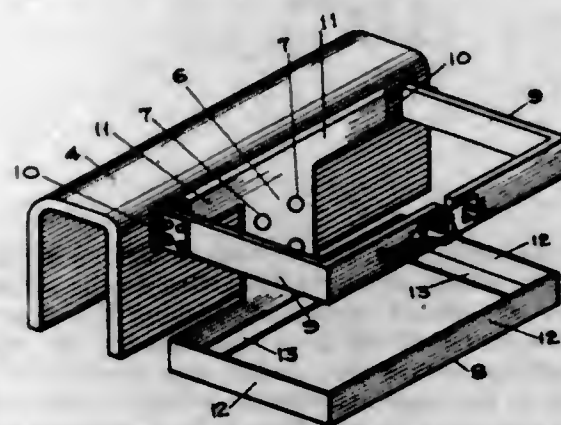
to rock therein, a plurality of knives carried by the shaft, coating guard members provided with registering slots between which a tape is adapted to be passed, and means for securing the shaft in predetermined adjusted positions to bring one or more of the knives through the slots into incising relation with the tape.

1,734,644. CARD-DELIVERY CASE. WILLIAM H. OSTRANDER and GEORGE E. WHITE, San Diego, Calif. Filed Feb. 26, 1927. Serial No. 171,107. 4 Claims. (Cl. 206-40.)



1. A card holder of the class described, including a card case adapted to hold a number of cards and provided with an aperture in one end thereof adapted to permit the passage of one card at a time, resilient means for holding the upper card in alignment with said aperture, delivery means adapted to engage and deliver one card at a time, and spring means interposed between the outer surface of said casing and a portion of said delivery means tending to hold said delivery means out of engagement with said cards.

1,734,645. BATTERY-BOX HOLDDOWN. BAUNO A. POLLAND, Omaha, Nebr. Filed Apr. 16, 1928. Serial No. 270,497. 6 Claims. (Cl. 180-68.5.)



1. In a battery box holddown, an upright supporting-plate approximately of T-shape provided at its lower end with a horizontal sheath for engaging the sides and bottom of the battery box, its upper end being provided with a pair of L-shaped bands hingably mounted on the supporting-plate below the top of said box, and co-operating fastening elements on said bands for pressing said bands toward each other into engagement with said box.

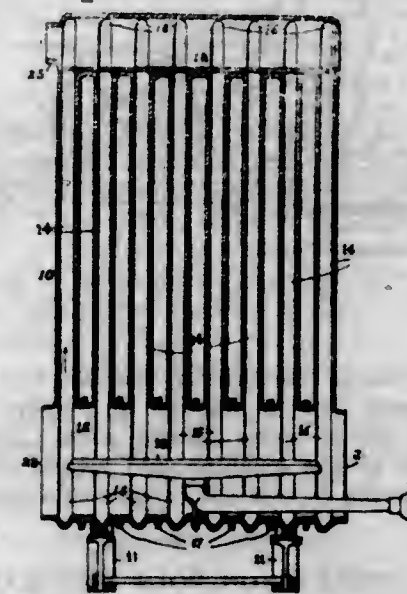
1,734,646. ART OF DISINFECTING SEEDS. WALTER P. RALPH, Ames, Iowa, and CROMWELL B. DICKEY, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 1, 1928. Serial No. 251,221. 9 Claims. (Cl. 167-19.)

6. The herein described finely powdered disinfectant for corn and like seeds consisting of a solid inert carrier and yellow oxide of mercury in proportion to supply 8 to 10% mercury.

1,734,647. GAS-HEATED HOT-AIR FURNACE. GEORGE FOSTER REYNOLDS, Mercer, Pa. Filed Oct. 16, 1928. Serial No. 312,758. 7 Claims. (Cl. 126-91.)

1. A gas-heated hot-air heating unit cast in a single piece, comprising a combustion chamber, a vent chamber

arranged above the combustion chamber and having an opening for waste gases, and flues connecting the cham-



bers, the width of the flues being greater than the width of each chamber and forming transverse corrugations on the sides of the chambers.

1,734,648. APPARATUS FOR GASIFYING OIL. ALFRED SCHWARZ, Montclair, N. J. Filed Mar. 29, 1927. Serial No. 179,287. 5 Claims. (Cl. 48-94.)

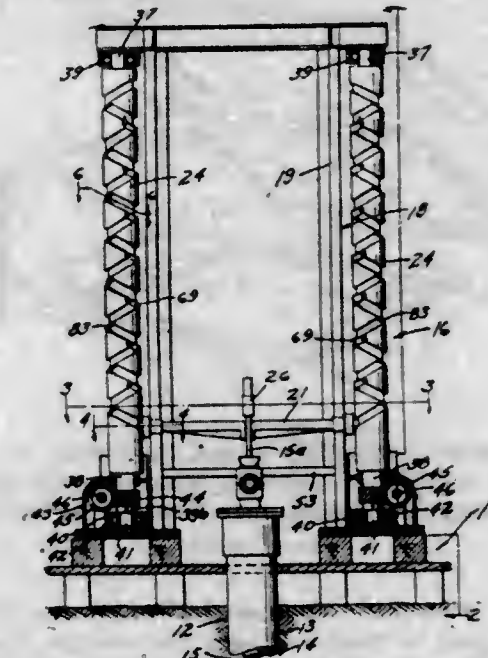


1. An apparatus for gasifying oil comprising a casing, an atomiser within said casing, means for supplying oil and steam to said atomiser, a tube formed by said casing and communicating with said atomiser for discharging atomized oil and steam, a jacket in said casing surrounding said atomiser and tube and in heat-exchanging relationship therewith, and means for introducing a cooling medium to said jacket.

1,734,649. LONG-STROKE PUMPING MECHANISM. DANIEL L. SHULL, Bakersfield, Calif., assignor of one-fourth to Tunis Smith, Taft, Calif. Filed Dec. 14, 1927. Serial No. 289,926. 6 Claims. (Cl. 74-14.)

1. In a long stroke pumping mechanism, the combination of: a pump barrel; a pump plunger adapted to be reciprocated in said pump barrel; a reciprocator asso-

ciated with said pump plunger; a double threaded rotary screw associated with said reciprocator; gates attached to said double threaded screw at the intersection of the



threads thereon, the end gates being adapted to move the others of said gates; and a power means of rotating said screws.

1,734,650. TRUMP INDICATOR. LEO SOLINGER, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 18, 1927. Serial No. 161,717. 4 Claims. (Cl. 273-148.)

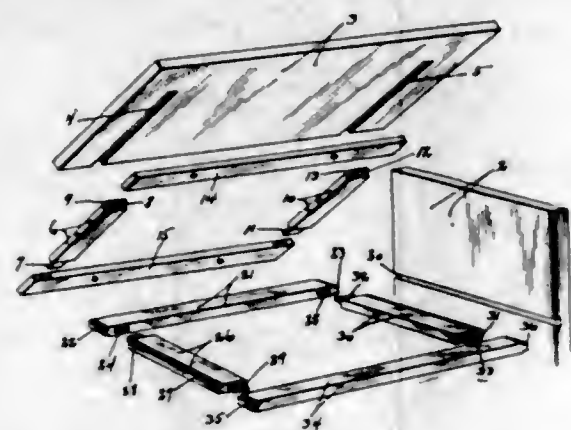


1. An article of the character described comprising in combination a body having longitudinal panels colored to correspond to the colors of the suits in a pack of playing cards, a shell secured to one end of the body and having cut away portions in alignment with the correspondingly colored panels and shaped to represent clubs, diamonds, spades and hearts, and panels exposed through such cut away portions colored to correspond to the suits represented by the respective cut away portions.

1,734,651. CABINET. LEOPOLD STICKLEY, Fayetteville, N. Y. Filed June 27, 1928. Serial No. 288,631. 6 Claims. (Cl. 312-1.)

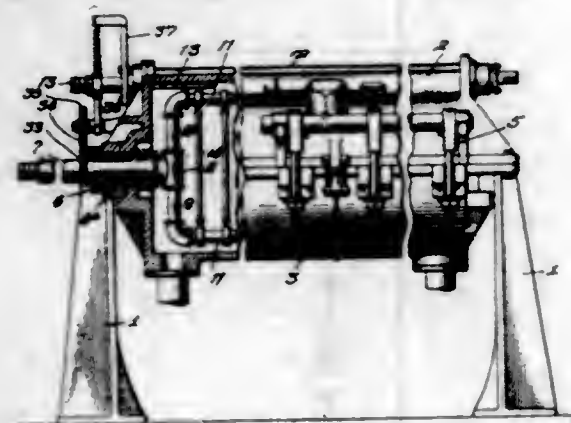
1. In a device of the class described, opposed side members, a top member, a means connecting the top member

to each of the side members, said means preventing vertical movement of the top member in relation to the side



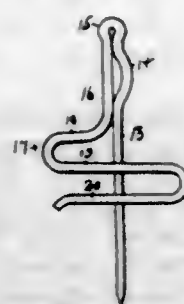
members while permitting lateral movement of the top member in relation to the side members, and additional means limiting such lateral movement of the top member.

1,734,652. FILTER. ERNEST J. SWEETLAND, Hazleton, Pa., assignor to United Filters Corporation, New York, N. Y., a Corporation of Delaware. Filed May 17, 1924. Serial No. 713,901. 21 Claims. (Cl. 210-200.)



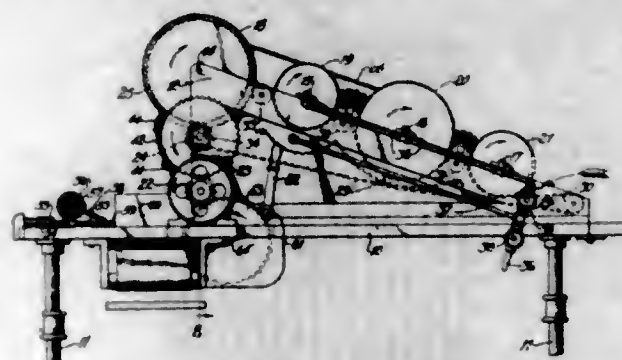
16. In a filter of the type described, a nonrotating casing, rotatable hollow shafts journaled in each end of said casing, an open rectangular frame in said casing connected at each end to said shafts and adapted to rotate therewith and a plurality of filter leaves supported in said frame.

1,734,653. PAPER CLIP. SAMUEL TALISMAN, San Bernardino, Calif. Filed Apr. 18, 1928. Serial No. 271,083. 2 Claims. (Cl. 24-85.)



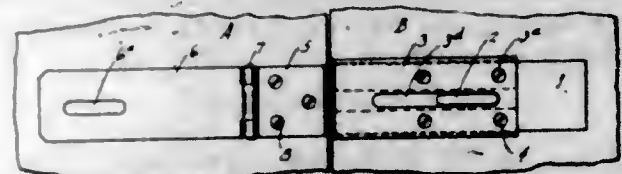
1. In a paper clip a shank pointed at one end and terminating in an eye at the other end, an extension from said eye termination in a cross head member, bearing centrally upon said shank, said extension paralleling said shank, and bearing thereupon, a loop formed between said shank and said extension intermediate said eye and cross head.

1,734,654. PRESSING AND FOLDING MECHANISM. RAFAEL TREJO M., Chicago, Ill. Filed Dec. 16, 1927. Serial No. 240,465. 6 Claims. (Cl. 270-94.)



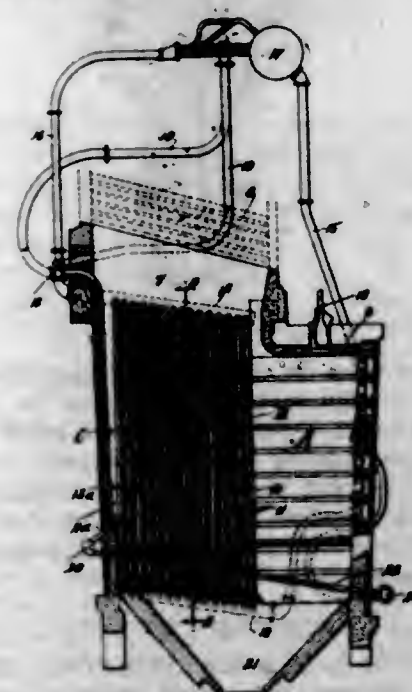
1. In a folding mechanism, means for transversely folding a towel, leaves adapted to receive said folded towels, said leaves being hinged about axes extending longitudinally of the machine and means actuating said leaves and serving to fold the ends of said towel inwardly.

1,734,655. COMBINATION BOLT AND HASP. EUGENE C. TURNER, San Diego, Calif. Filed Feb. 14, 1924. Serial No. 692,786. 6 Claims. (Cl. 292-281.)



1. In a combination bolt and hasp for the free side of doors, a slidably mounted bolt member adapted to be shifted over the joint between the free side of doors and provided with a staple, and a foldable hasp member mounted adjacent thereto provided with a slot therein and adapted to extend over said staple member, when it is shifted over said joint.

1,734,656. BOILER FURNACE. JOHN VAN BAUNT, Flushing, N. Y., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1925. Serial No. 73,970. 1 Claim. (Cl. 122-235.)



In combination, a boiler, a combustion chamber, a plurality of upright tubes defining a portion of the combustion space, a header into which the upper ends of said tubes are connected, a header into which the lower ends

of said tubes are connected, downcomer means connecting said lower header with the boiler, upcomer means connecting said upper header with the boiler, and other tubes outside the combustion chamber directly connecting said headers together; said latter tubes being spaced more closely adjacent the region in which the first mentioned upright tubes are subjected to the greatest heat.

1,734,657. PYROXYLIN COMPOSITION. ROBERT H. VAN SCHAACK, Jr., Evanston, Ill., assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 12, 1925. Serial No. 56,086. 10 Claims. (Cl. 134-79.)

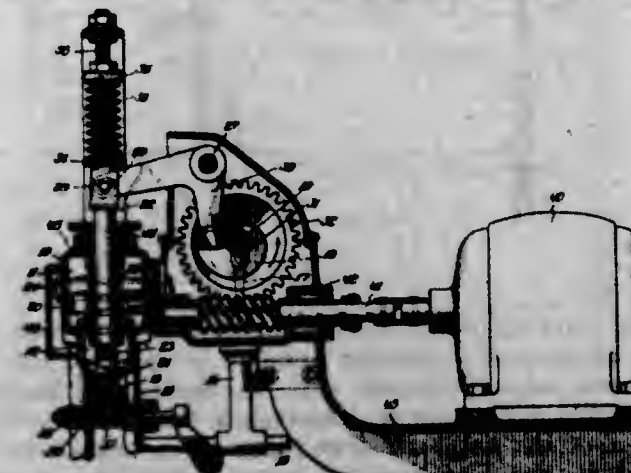
10. A lacquer composition comprising a mixture of pyroxylin, a resin, butyl acetate, butanol, toluol, and dibenzyl phthalate.

1,734,658. FILE FOR PAPERS AND LIKE SHEETS. JOHN FREDERICK VEIL, Leigh-on-Sea, England. Filed June 8, 1925. Serial No. 35,692, and in Great Britain June 10, 1924. 7 Claims. (Cl. 129-37.)



1. A file for papers, letters and documents, comprising two substantially symmetrical front and back parts connected together on a folding line, torsion springs disposed adjacent the said folding line, but unconnected with the said front and back parts, a pair of loops integral with each of said torsion springs, each pair of loops extending transversely to the rear edge of the file and engaging by contact and without connection the said respective front and back parts at a position adjacent the said folding line, the loops of each pair being oppositely disposed and the torsion springs having a helical form and being disposed between and connecting together the respective loops of each pair, substantially as hereinbefore described.

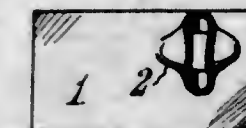
1,734,659. FUEL METERING AND FEEDING DEVICE. EZEKIEL FIELD WHITE, Chicago, Ill. Filed May 2, 1921. Serial No. 466,848. 4 Claims. (Cl. 261-82.)



1. In a device of the class described, the combination of an oil supply chamber, a compression chamber, and a

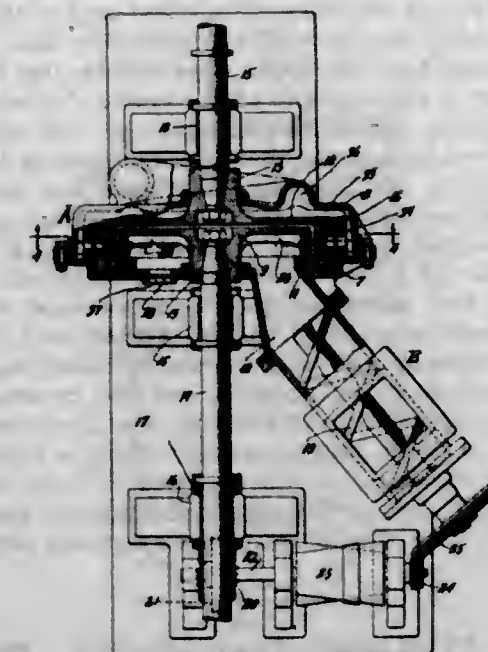
plunger having means for transferring oil from said fuel chamber towards said compression chamber, said plunger also having a portion operable in said compression chamber, which, when moved outwardly from said compression chamber causes a vacuum which draws the oil mixed with air into said compression chamber preparatory to the mixture being compressed therein by said plunger portion.

1,734,660. METALLIC FLOORING OR GRATING. GEORGE BRAILEY WILLIAMS, Cardiff, and WILLIAM JAMES HAMILTON PORTER, Penylan, Cardiff, Wales, assignors to New Engineering Construction Company, Limited, London, England. Filed Nov. 19, 1927. Serial No. 234,469, and in Great Britain July 30, 1927. 9 Claims. (Cl. 189-82.)



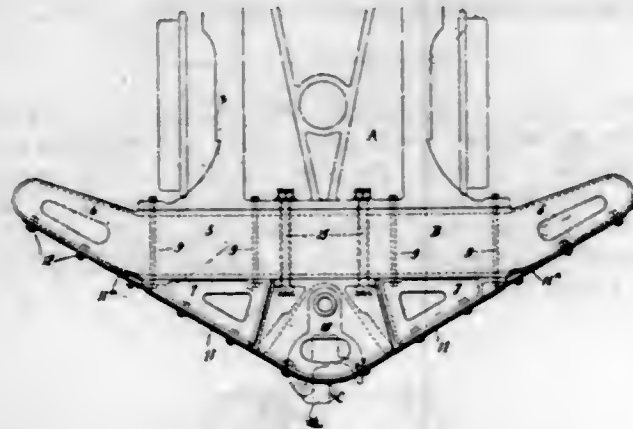
5. A metal flooring comprising a series of perforated members and a series of hollow threaded members passed through the apertures of the perforated members, the threaded members being locked together to the perforated members to form a substantially integral whole by being compressed laterally for the full distance between the perforated members with upper portions of the compressed parts being in the same plane as the top of the perforated members.

1,734,661. IMPACT PULVERIZER. WILFRED R. WOOD, London, England, assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 1, 1928. Serial No. 655,011. 8 Claims. (Cl. 83-11.)



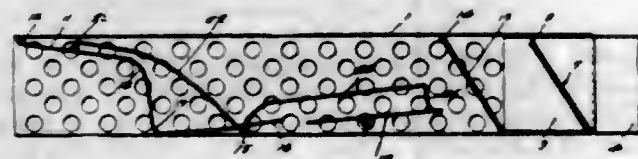
1. An impact pulverizer including in combination, a pair of oppositely revolving wheels each having a U-flange, the one nested in the other, and each flange having a plurality of openings therethrough from which openings the material to be pulverized is centrifugally projected substantially tangentially against impact surfaces on the other wheel.

1,734,662. LOCOMOTIVE SNOWPLOW. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Mar. 14, 1927. Serial No. 175,388. 5 Claims. (Cl. 37-30.)



1. The combination with a locomotive of a bumper and V-shaped pilot, said bumper having rearwardly extending wings forming a continuation of the V and flat snow plates secured to the pilot, said plates also having wings which are secured to the wings of the bumper.

1,734,663. SELF-SETTING ANIMAL TRAP. WALTER YOUNG, Monte Vista, Colo. Filed Dec. 17, 1928. Serial No. 326,582. 2 Claims. (Cl. 43-76.)

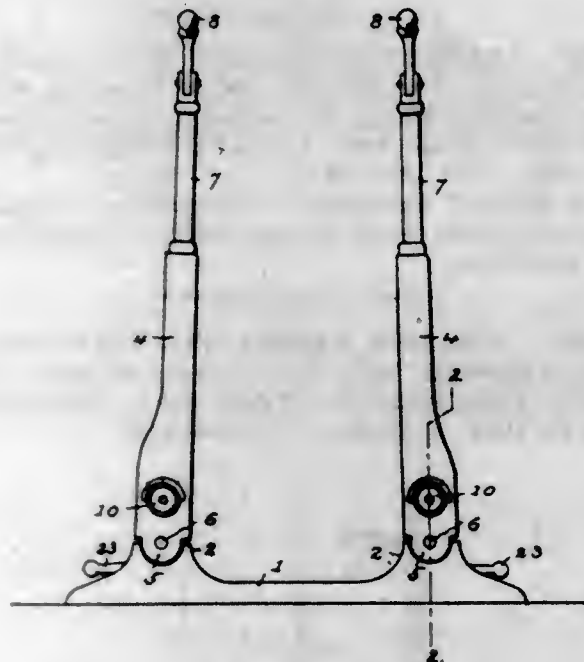


1. In an animal trap of the class described, a casing provided with an entrance at one end and with an exit at its opposite end, a vertically swinging door for the entrance hinged at its upper edge within the casing, a similar door at the rear end of the casing, an imprisoning chamber having communication with the rear end of the casing, a rockable tripping platform arranged in the intermediate portion of the casing, a trigger arm carried by the forward portion of the platform and normally holding the first mentioned door in a raised position, a rockable treadle arranged within the casing rearwardly of the platform, said first mentioned door being released when the tripping platform is tilted and the trigger arm is moved out of engagement with said door, and cooperating means between said door, the platform and the treadle for resetting the trigger arm and the first mentioned door, when the treadle is tilted, said means comprising a pair of rods operatively connected at their adjacent ends with the platform, and links operatively connecting the outer ends of the rods with the aforesaid door and the treadle respectively.

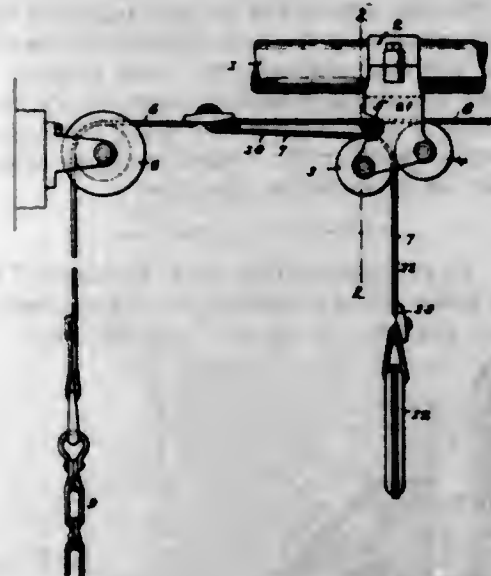
1,734,664. GYMNASIUM PARALLEL BAR. FRANK ALBACH, St. Louis, Mo., assignor to Fred Medart Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 10, 1928. Serial No. 298,796. 4 Claims. (Cl. 272-63.)

3. In an exercising apparatus of the type described, the combination of a floor base having a series of corner standards, tubular columns individual to said standards and adapted to fit over the same, each column having pivotal connection at its lower end with its standard, adjusting

means between the upper ends of the standards and the columns, each adjusting means comprising a revoluble hub journaled in a column and having an eccentrically arranged pin, each standard being formed with an elongated slot for operative engagement with an aforesaid eccentrically arranged pin, means for locking each revoluble hub at an adjusted position with each locking means comprising a series of concave recesses formed in the perimeter of a revoluble hub, and a cylindrical hub adjustably mounted on a column, and adapted to have peripheral engagement in a peripheral recess aforesaid of a revoluble hub.

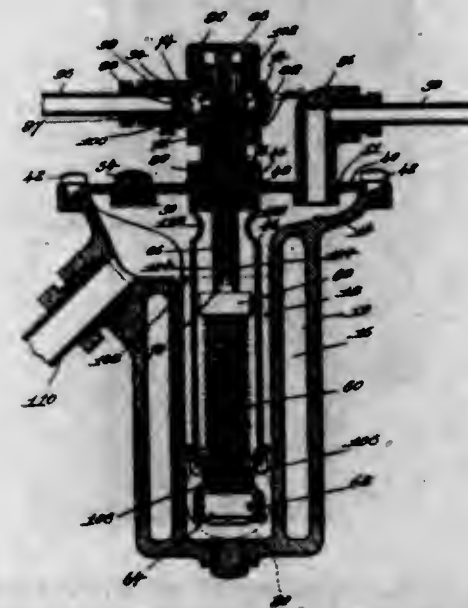


1,734,665. GYMNASIUM TRAVELING RINGS. FRANK ALBACH, St. Louis, Mo., assignor to Fred Medart Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 10, 1928. Serial No. 298,797. 4 Claims. (Cl. 272-61.)



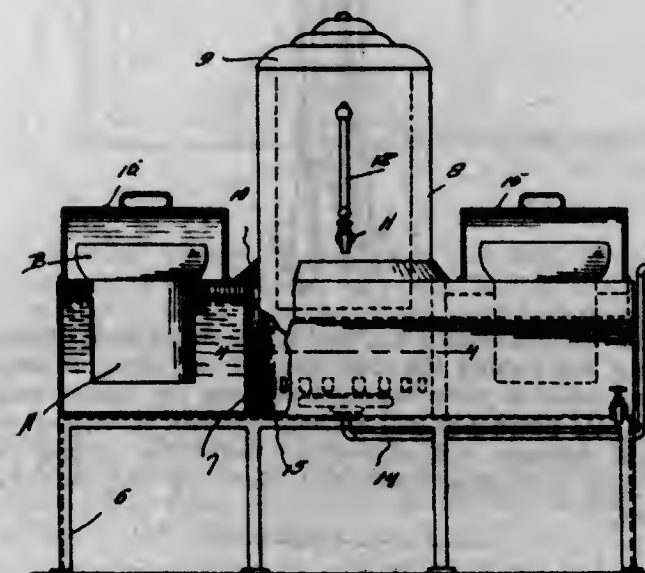
1. A traveling ring exercising apparatus, comprising an overhead support, a bracket attached to said support, a transverse member formed with a rounded flat bearing surface and carried by said bracket, a flexible supporting member of the flat band type passing over such bearing surface to provide a depending portion, a hand ring carried by said depending portion, and means for effecting a lengthwise adjustment of said flexible member.

1,734,666. OIL-RECTIFYING APPARATUS FOR INTERNAL-COMBUSTION MOTORS. WALTER B. CLIFFORD, Framingham, Mass., assignor to The Clifford Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 1, 1926. Serial No. 85,394. 9 Claims. (Cl. 123-196.)



1. An oil rectifier for internal combustion motors comprising a refining chamber of relatively small cross-section throughout the major portion of its length and terminating at its upper end in an outwardly flared shallow portion, a heating chamber surrounding the refining chamber, a head closing the upper portion of the refining chamber, a thermostat positioned in the lower portion of the refining chamber, a partition surrounding the thermostat and dividing the chamber into two parts, means operated by the thermostat for controlling the admission of oil to the refining chamber, and oil and vapor outlets in free communication with the chamber at the upper flared portion.

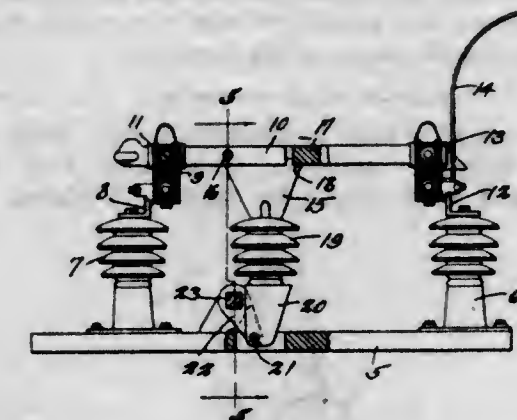
1,734,667. HOT-WATER TABLE. CARMINE FIORE, New York, N. Y. Filed Feb. 14, 1928. Serial No. 254,194. 1 Claim. (Cl. 126-33.)



In a heating table of the character described, a horizontal water chamber having openings in the top thereof whereby to permit food vessels to be arranged therein, a circular partition disposed centrally within the chamber and being open at its top, heat generating means located within said

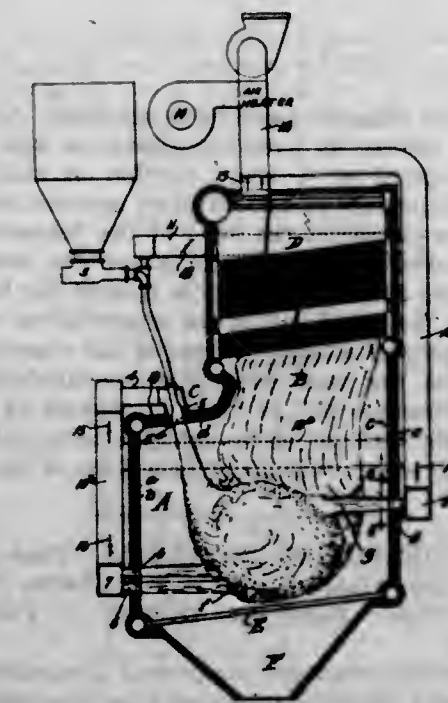
partition, and a coffee urn adapted to be arranged within said partition, the said urn being open at its bottom end for surrounding said heat generating means and being formed with openings communicating with the space between the urn and the circular partition.

1,734,668. ELECTRIC SWITCH MECHANISM. CHARLES ADIN FOX, Deer Lodge, Mont. Filed Apr. 21, 1928. Serial No. 271,774. 2 Claims. (Cl. 200-48.)



1. In a switch of the class described, a pivoted switch blade, contact members between which one end of the switch blade moves to complete a circuit, an operating mechanism including a substantially triangular plate having pivotal connection with the blade at one corner of the plate, said plate adapted to engage the blade at the opposite corner to lift the blade, and means for operating the plate.

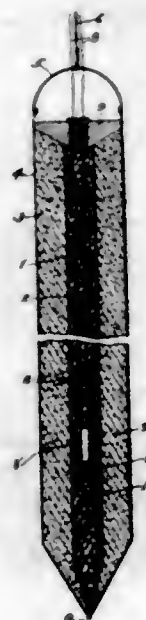
1,734,669. PULVERIZED-FUEL-BURNING FURNACE. MARTIN FRISCH, St. Louis, Mo., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed June 8, 1927. Serial No. 196,693. 1 Claim. (Cl. 110-28.)



In combination, a substantially unobstructed combustion chamber having an outlet at the top, said chamber being of approximately rectangular cross section and of a volume sufficient to permit of the combustion in space therein of the desired amount of pulverized fuel, means for admitting the pulverized fuel with air in a downward direction adjacent an upright wall of the chamber and to one side of the outlet thereof, whereby the fuel and

flame stream takes U-shaped course through the combustion chamber, means for admitting a current of air thru said wall in a substantially horizontal direction at a level approximately at the bottom of the turn in the flame stream, and means for supplying a current of air through the opposite upright wall in a substantially horizontal direction at a level approximately midway of the point of fuel admission and the point of admitting said first current of air, said coal and air and said currents of air having velocities such that heavier particles of fuel gravitating toward the bottom of the chamber are caused to rotate about a horizontal axis approximately midway of the combustion chamber and parallel to said two walls, without impingement on the walls of the chamber.

1,734,670. MEANS FOR CEMENTING OIL, GAS, AND WATER WELLS. HASKELL M. GREENE, Taft, Calif. Filed Sept. 5, 1923. Serial No. 661,019. 2 Claims. (Cl. 61—36.)

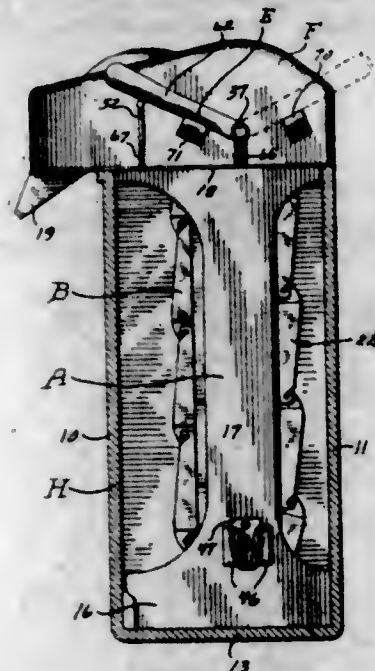


1. The well cementing cartridge set forth, comprising a sheet metal casing, an explosive charge in said casing; a detonator located at a lower portion of said explosive charge, and a charge of cementitious material surrounding the explosive charge at the level of the detonator and extending a considerable distance above the detonator so that when the detonator charge is ignited the force of the explosion at the lower end of the cementitious charge will operate to compact a lower portion of the cementitious material against the wall while the cementitious material above the detonator will be freed to descend by gravity to close the hole with an easily drillable core inside the cementitious material compacted by the force of the explosion.

1,734,671. MEASURING CONVEYER. FRED M. GUNN, El Paso, and WILLIS F. GUNN, Fort Worth, Tex. Filed Dec. 17, 1926. Serial No. 155,506. 6 Claims. (Cl. 221—97.)

1. A measuring conveyer comprising a supporting frame, a pulley having angularly arranged faces rotatably mounted adjacent the upper end of the frame, an endless carrier trained over said pulley and embodying a plurality of hinged connected buckets having discharge troughs extending from their forward ends, said buckets when passing over said pulley engaging the angularly arranged faces of the pulley, a chute pivotally mounted forwardly of the pulley, and means for rotating said pulley forwardly step by step for successively bringing the angular faces of the pulley into a position inclined toward said chute and said buckets into a position whereby the contents of the buckets

will be discharged into said chute, said troughs of the buckets interfitting with the rear end of said chute for guiding the contents of the buckets into the chute, said



chute being rocked upwardly at its forward end by said troughs for allowing passage of the buckets from a discharging position.

1,734,672. HYDRAULIC ROTARY-DRILL BIT. CHARLES L. HARRALSON, Casper, Wyo., assignor, by mesne assignments, of forty-seven and one-half per cent to The Lel-decker Tool Company, Marietta, Ohio, a Corporation of Ohio. Filed Aug. 9, 1924. Serial No. 731,010. 4 Claims. (Cl. 255—61.)

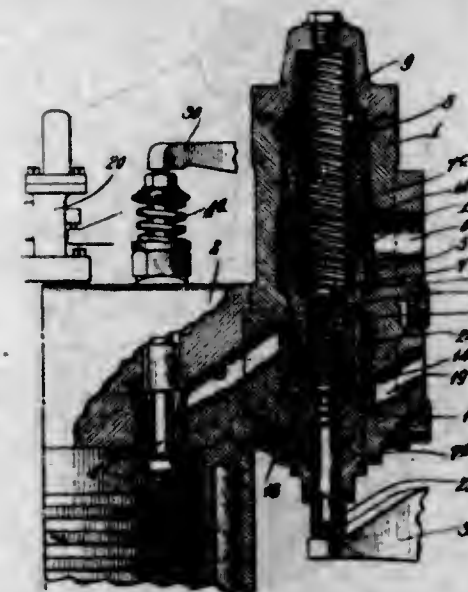


4. A drill bit having a plurality of radial blades formed thereon and having the sides thereof extending at angles to each other to form channels between the blades, and a water tube positioned and entirely enclosed in at least one of said channels, and extending toward the cutting end, said tube extending along the blade on the rear face thereof.

1,734,673. AIR STARTING GEAR. WILHELM HEFTI, Wülflingen, Switzerland, assignor to Busch-Sulzer Bros. Diesel-Engine Co., St. Louis, Mo., a Corporation of Missouri. Filed Oct. 4, 1923. Serial No. 666,656, and in Germany Apr. 5, 1918. 9 Claims. (Cl. 60—16b.)

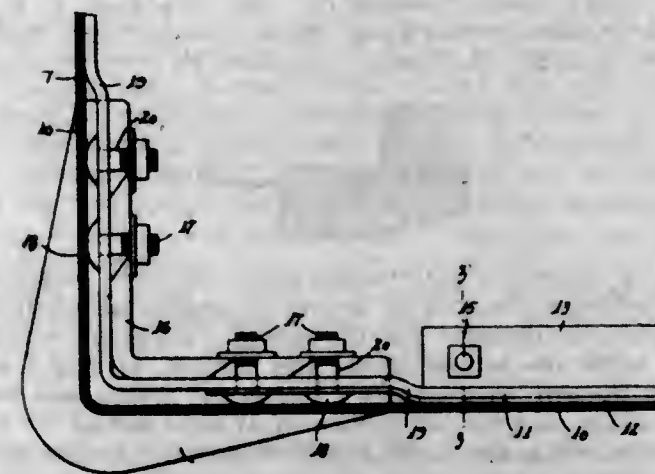
9. In an internal combustion engine having a cylinder providing a space within which a piston operates, the combination of air-starting and compression relief valves, a

separately operable shut-off valve between the same and the cylinder space to prevent access of cylinder contents to the air and relief valves during fuel operation, engine-driven cam means for operating said air and relief valves, a connector between said cam means and the air and relief



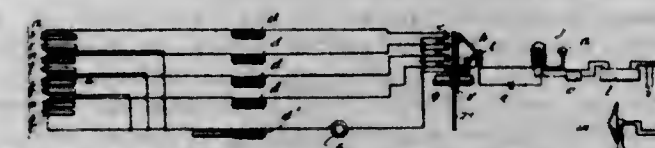
valves, a control shaft, said connector being so mounted on the control shaft that turning the control shaft places the connector in valve operating position or displaces it therefrom, and means for holding the shut-off valve open when the engine is operated by air, the last mentioned means being operated by said control shaft.

1,734,674. RANGE CONSTRUCTION. CONRAD HERWIG, Jr., and WILLIAM J. SPIELMAN, Piqua, Ohio, assignors to The Favorite Stove & Range Company, Piqua, Ohio, a Corporation of Ohio. Filed Dec. 12, 1928. Serial No. 325,514. 9 Claims. (Cl. 126—39.)



1. A range comprising a body, a base band within the lower portion of the body, said body having a wall provided with a lower intumed flange extending under said band, and means securing said flange and band together.

1,734,675. METHOD AND APPARATUS FOR REPRODUCING SOUND. SIDNEY M. HULL, Western Springs, Ill. Filed Aug. 17, 1927. Serial No. 218,667. 31 Claims. (Cl. 179—100.1.)



1. In a sound producing apparatus, the combination with a recording member which has a plurality of differing

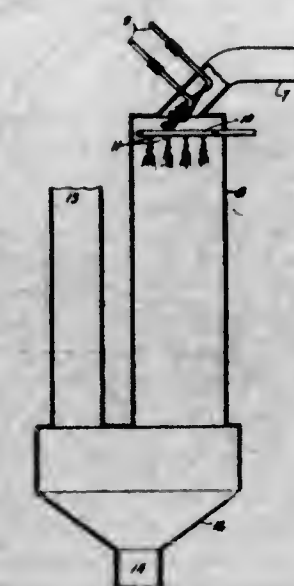
and differently located substantially endless light varying records of individual musical scale tones; of means for furnishing light to all of said records to be varied thereby; means individual to each record for individually controlling the light furnished thereto; and sound producing means subject to and operable by the varied light, the records and the light furnishing means being relatively movable in a direction and to an extent enabling the light to move along the records and throughout their lengths to enable the production of continuous tones during the relative movement of the light and records.

1,734,676. DUAL TOOTH CROWN. FERNANDO OSCAR JAKES, Jr., Providence, R. I. Filed May 10, 1928. Serial No. 276,651. 1 Claim. (Cl. 32—30.)



A dual tooth crown comprising an outer crown shell of porcelain, which tapers to a thin edge at the open end of the shell and an inner crown shell of metal cemented together, said inner metal crown shell having an outer annular undercut overlapping lip shaped to conform to the gum line and overlapping the thin edge portion of the porcelain outer crown shell and a thin cylindrical portion which extends from the annular undercut overlapping lip to the open end of the inner crown shell, said thin cylindrical portion extending under the natural gum beyond the gum line.

1,734,677. AIR WASHER. HENRY KREISINGER, Piermont, N. Y., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 4, 1925. Serial No. 73,111. 1 Claim. (Cl. 261—79.)



A gas washing apparatus including a chamber, a pipe for the gas to be washed discharging the said gas tangentially into the upper part of said chamber, a steam jet in said pipe adjacent the point at which it discharges

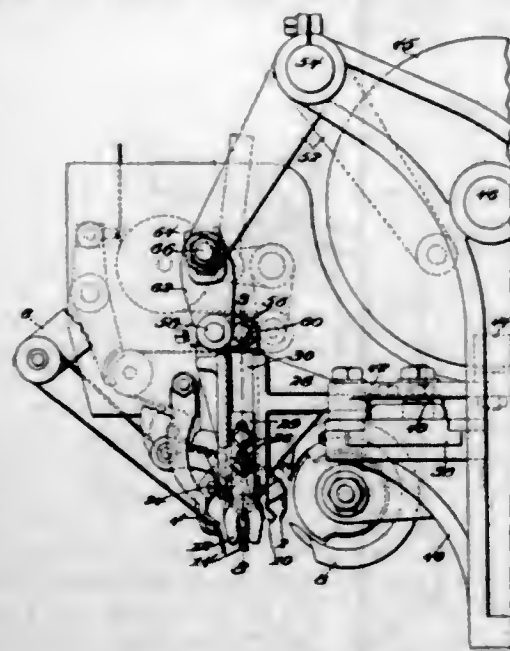
into the chamber, said steam jet also being positioned to direct the steam tangentially into the chamber whereby a whirling movement is set up in the entering gas and steam, means for condensing the steam within the chamber comprising a water spray in the chamber adjacent the point at which the steam and gas are discharged thereinto, and adapted to spray the walls of said chamber, a settling portion in the lower part of said chamber and an outlet pipe for the washed gas.

- 1,734,678. COMBINED NAME AND BELL-BUTTON PLATE. GEORGE H. KROGEL, Troy, N. Y. Filed Sept. 18, 1922, Serial No. 589,034. Renewed Mar. 26, 1926. 3 Claims. (Cl. 200-159.)



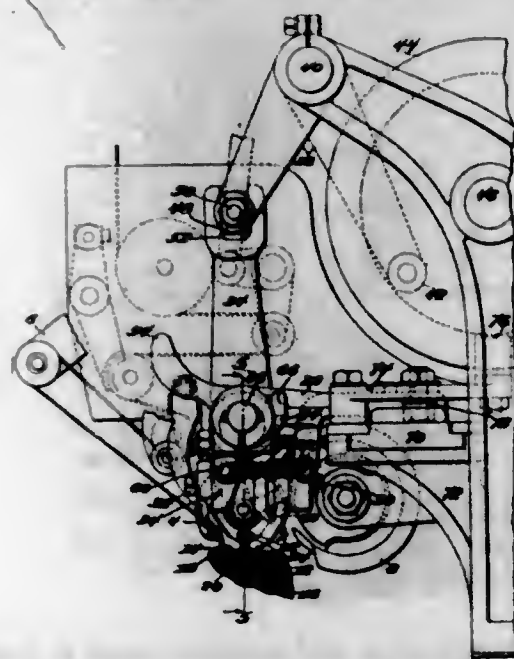
1. A switch for sign plates having a source of illumination designed for momentary or permanent energization, including an insulating strip adapted to be secured to a fixture and having a contact, a casing secured to the fixture about and enclosing the insulating strip, said casing including outstanding walls beyond the strip and a top wall parallel to the strip and formed with an opening of less dimension than said wall, a spring plate secured to the insulating strip and overlying the contact, the end of the plate projecting through an opening in one of the outstanding walls of the casing, a push-button freely slidable in the top wall beyond the opening therein and overlying the spring plate to move the spring plate into engagement with the contact, and means integral with the casing to lock the spring plate in engagement with the contact.

- 1,734,679. SEWING MACHINE. FRED N. LA CHAPPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 27, 1920, Serial No. 369,279. Renewed Apr. 5, 1929. 11 Claims. (Cl. 112-47.)



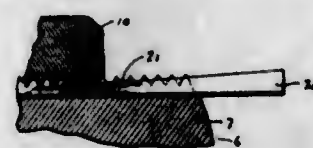
1. A sewing machine having, in combination, stitch forming devices including a curved hook needle, and work feeding and holding means cooperating therewith to sew the abutting edge portions of pieces of material together while the portions of the pieces of material adjacent their edge portions are being held substantially flat in the same plane.

- 1,734,680. SEWING MACHINE. FRED N. LA CHAPPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 27, 1920, Serial No. 369,280. Renewed Jan. 12, 1929. 6 Claims. (Cl. 112-47.)



1. A sewing machine for uniting marginal portions of parts of an article having, in combination, stitch forming devices, gripping members adapted to engage the opposite sides of said marginal portions, manually operable means for separating the gripping members comprising a shaft having an eccentric portion on which one of the gripping members is pivotally mounted, and means for turning the shaft, and means for actuating the gripping members to press said marginal portions together and to feed the work.

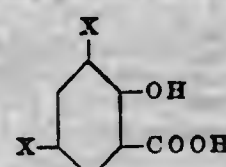
- 1,734,681. METHOD OF INTERLOCKING BOLTS AND NUTS. MARSHALL LAPHAM, New York, N. Y., assignor to Spiral-Rolled Products Co., Inc., New York, N. Y., a Corporation of New York. Filed June 14, 1928. Serial No. 285,427. 3 Claims. (Cl. 151-22.)



1. A method of interlocking bolts and nuts consisting of forming a longitudinal groove of substantially uniform depth in the threaded bolt, the bottom of the groove extending below the bottom of the bolt threads, placing a nut upon the bolt, then placing a tool in the groove, and then distorting only the top portion of at least one of the nut threads which lies in the groove by an axial movement of the tool.

- 1,734,682. MOTH-PROOF ARTICLE AND PROCESS OF PREPARING IT. WILHELM LOMMEL and HEINRICH MÜNZEL, Wiesdorf, and HERMANN STÖTTER and BERTHOLD WENK, Leverkusen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Filed July 2, 1927, Serial No. 202,255, and in Germany July 18, 1926. 6 Claims. (Cl. 167-37.)

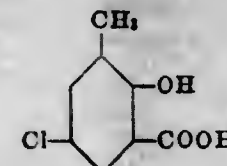
1. A moth-proof article comprising a material liable to attack by moths having incorporated or combined therewith a compound of the general formula:



wherein one X represents a substituent of the group including halogen and sulfur, and the other X represents

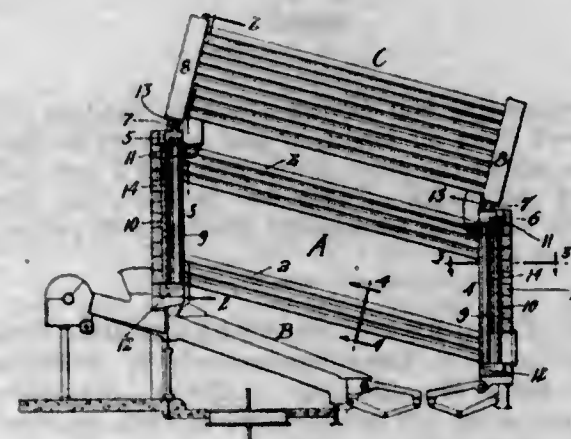
hydrogen or any substituent, and wherein the benzene nucleus may be further substituted.

8. A moth-proof article comprising a material liable to attack by moths having incorporated or combined therewith 1-hydroxy-6-methyl-4-chloro-2-benzoic acid of the formula:



being a colourless crystalline substance melting at 226° C. easily soluble in alcohol and almost insoluble in water.

- 1,734,683. ART OF STEAM GENERATION. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1925. Serial No. 2,731. 1 Claim. (Cl. 122-235.)



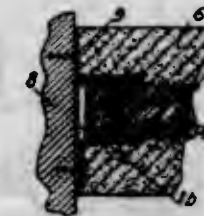
A boiler and furnace including two sets of substantially horizontal tubes, a pair of headers for each set, two sets of upright tubes, a pair of headers for each set, each upright set comprising a double row of tubes having refractory material therebetween, one row being shaded by the other and by said refractory material and all defining the four upright walls of the combustion chamber, a boiler located above said chamber, connections between the first mentioned headers and the boiler, connections between the upper headers of the second mentioned pair of headers and the boiler, and means for admitting fuel to the combustion chamber.

- 1,734,684. GRIP FOR GOLF CLUBS. ALFORD S. LYNDON, Ann Arbor, Mich. Filed Apr. 30, 1928. Serial No. 274,072. 3 Claims. (Cl. 273-31.)



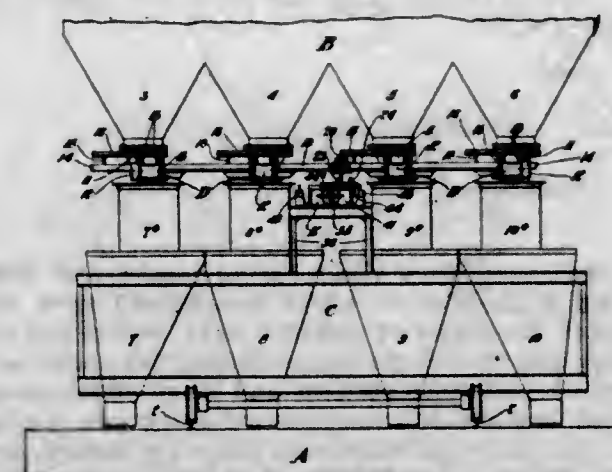
1. An attachment for golf clubs including a member attachable to the handle portion of the club, said member having a substantially rounded head engaging surface extending longitudinally of the club and inclined outwardly from the handle portion thereof, and means for securing said member upon the handle portion including a band having the ends thereof anchored within the member and the body portion slidably engaging the handle portion aforesaid.

- 1,734,685. ART OF PLASTERED-BUILDING-PARTITION CONSTRUCTION. JAMES K. MAYN, Fort Thomas, and HOMER A. SNIVELY, Covington, Ky., assignors to The Ma-Stud Corporation, a Corporation of Ohio. Filed Mar. 30, 1929. Serial No. 351,341. 3 Claims. (Cl. 72-46.)



1. In the art of constructing plastered partitions, the steps which include setting a channeled metallic stud at one end of the partition, mounting a panel of plaster base within the channel of the stud, securing thereto by means of a channel therein a doubly channeled metal stud, then inserting in the open channel of the stud another panel of plaster base, and progressively proceeding with the alternate installation of panels of plaster base and channeled metallic studding until the opposite edge of the partition has been set up, securing each piece of studding at its top and bottom and then after the last panel has been set in securing said panel at its inner edge with a stud member separable from the main stud of which it forms a part.

- 1,734,686. BIN GATE. CALEB ADDISON MCCOLLUM, deceased, Clairton, Pa., by Florence Woods McCollum, executrix, Pittsburgh, Pa., and Jamea McIntosh, Pittsburgh, Pa. Filed Jan. 5, 1926. Serial No. 79,464. 6 Claims. (Cl. 214-41.)

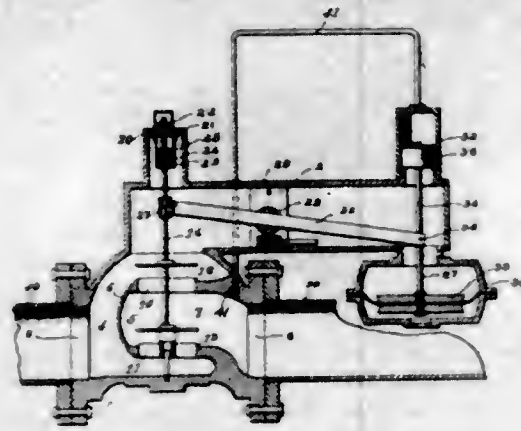


1. The combination with a material delivering hopper, of a gate for closing the lower delivery end of said hopper, and a vehicle for receiving the material delivered from said hopper, said gate comprising a body portion, a horizontally reciprocating gate member, a movable side member on said body adapted to move outwardly if any material is caught between the end of said reciprocating gate member and gate body when said gate member is being closed, and a power operated unit carried by said vehicle for opening and closing said gate member.

- 1,734,687. AUTOMATIC STOP COCK. ANDREW J. MCEWAN, Tulsa, Okla. Filed Sept. 30, 1926. Serial No. 138,781. 12 Claims. (Cl. 137-153.)

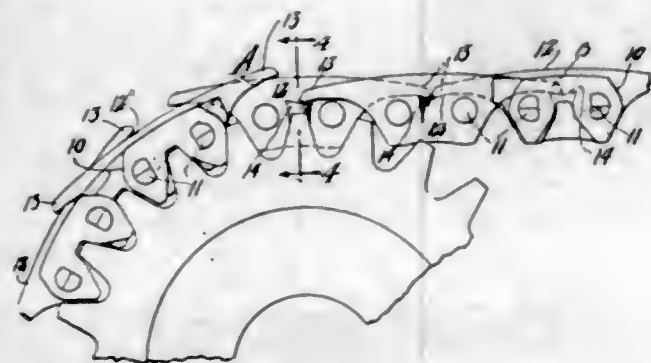
2. In an automatic stop cock or valve for fluid pressure pipe lines, a valve casing having an inlet and an outlet for connection, respectively, with the high and low pressure sides of a pipe line, a valve in said casing controlling said inlet and outlet, a spring for closing the valve and holding the valve closed until a predetermined high pressure is reached in the high pressure side of the pipe line, a fluid pressure actuated member exposed to the pressure in the high pressure side of the line and opera-

tive to open the valve against the resistance of the spring when the predetermined high pressure is reached, and



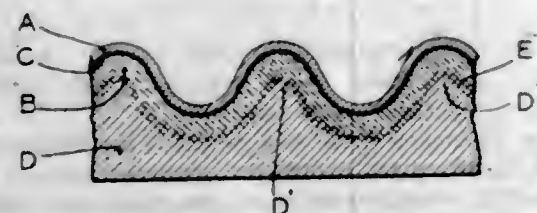
a fluid pressure controlled device for retarding the closing of the valve under the action of the spring as the pressure falls until a predetermined low pressure is reached.

1,734,688. MULTIPLE-DRIVE CHAIN. FRANK L. MORSE, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a Corporation of New York. Filed June 22, 1926. Serial No. 117,683. 10 Claims. (Cl. 74—31.)



1. A multiplate drive chain having pintles and links comprising a plurality of plates interspersed upon the pintles with the plates of adjacent links, and means for preventing back bend of the chain including link plates having laterally projecting portions and longitudinal extensions, said longitudinal extensions extending over pintles adjacent the pintles on which said plates are carried, and said plates being arranged in lapped relation on the pintles whereby the extensions of one set of plates engage the projections of the other set when the chain tends to bend back.

1,734,689. INTERIOR FINISH CONSTRUCTION. RAYMOND V. PARSONS, Cleveland, Ohio, assignor to Johns-Manville Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 5, 1927. Serial No. 231,276. 6 Claims. (Cl. 72—125.)



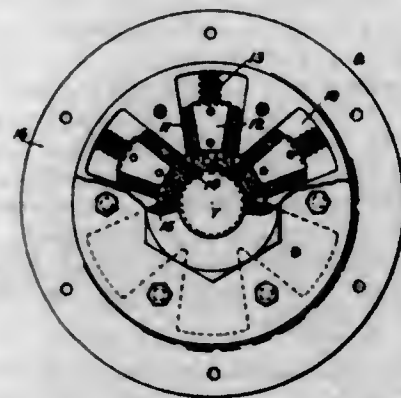
1. The combination of a structural support, a facing of plaster, and a connector of yielding distortable, internally mobile character between the structural support and the plaster facing.

1,734,690. CONNECTING ROD. HODGSON S. PIERCE, Detroit, Mich., assignor to Emil A. Nelson, Detroit, Mich. Filed Sept. 21, 1928. Serial No. 307,428. 6 Claims. (Cl. 74—17.)



4. A connecting rod having alternate portions of the web thereof along the length of said web bent in opposite directions out of the plane of the web, and a tube extending along the length of said web in the plane thereof alternately embraced on opposite sides by said portions.

1,734,691. CLOSURE FOR SHAFT BEARINGS. WILLIAM V. RANDALL, U. S. Army, Newburgh, N. Y. Filed Oct. 2, 1926. Serial No. 139,224. 1 Claim. (Cl. 286—7.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)

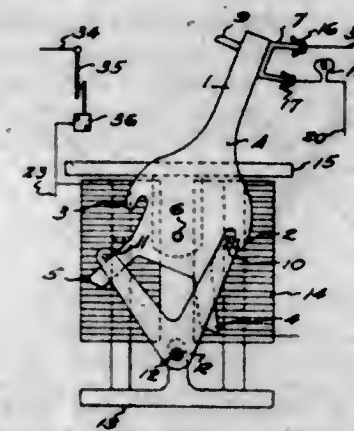


A closure for shaft bearings including a body having a central aperture for mounting on a shaft and an annular flange for attachment to a wheel, said body formed with a plurality of radial channels tapered towards said aperture, an absorbent block disposed in each of the channels, the inner ends of the adjoining blocks provided with tapered sides and forming an unbroken packing ring, means for urging the blocks inwardly and a cover plate securable to the body to encase the blocks.

1,734,692. INTERRUPTER FOR ELECTRIC CURRENT. ATILIO REBORT, Buenos Aires, Argentina. Filed Jan. 27, 1922. Serial No. 532,329, and in Argentina Feb. 2, 1921. Renewed Sept. 20, 1929. 3 Claims. (Cl. 200—111.)

1. In an automatic circuit breaker, a main switch lever, means pivotally supporting the switch lever, a movable armature, a double-arm lever pivoted to and movable with the armature, a projection on each arm of said lever, said projections being engageable with the opposite sides of the switch lever for alternately swinging the latter from one

side to the other incident to movement of the armature, and means on said lever for alternately engaging the

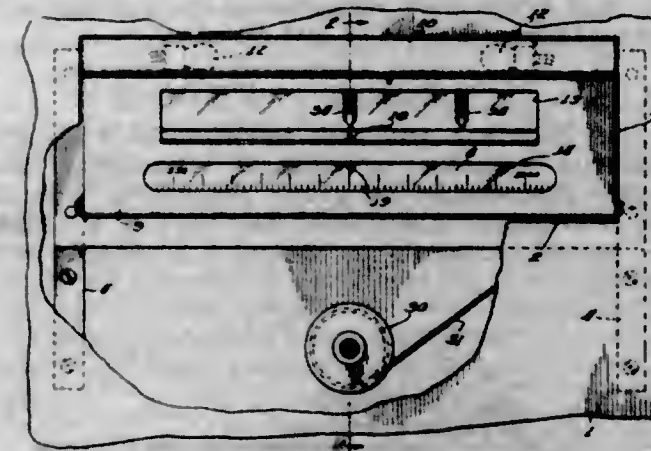


projections on the trip lever for shifting the latter from side to side to cause the respective projections to engage in opposite sides of the main lever.

1,734,693. PROCESS FOR THE MANUFACTURE OF FILM-FORMING SOLUTIONS. KURT RIPPER, Vienna, Austria, assignor to Frits Pollok, Vienna, Austria. Original application filed Mar. 20, 1924, Serial No. 700,736, and in Austria Mar. 31, 1923. Divided and this application filed June 22, 1925. Serial No. 38,920. 5 Claims. (Cl. 134—26.)

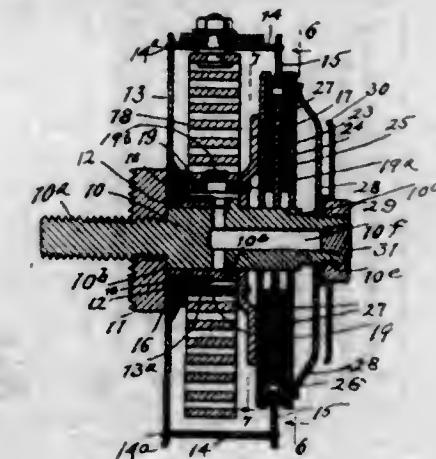
1. The process of producing film-forming solutions which consists in reacting on a urea with a solution of formaldehyde by boiling the mixture adjusted to a C not exceeding 10—7 for a short time, thereafter adjusting the hydrogen ion concentration of the reaction mixture to a value upwards of a C_n of 10—7 to cause complete conversion of the first formed hydrophilic emulsion colloid in a hydrophobic colloid on further heating, continuing the reaction by heating the reaction mixture, cooling the reaction product whereby the hydrophobic colloid is precipitated therefrom, separating the precipitated colloid from the water and dissolving it in a nonaqueous solvent.

1,734,694. RADIO LOGGING AND INDICATING DEVICE. DANIEL SCHWARTZ, Chicago, Ill. Filed Aug. 17, 1929. Serial No. 386,634. 16 Claims. (Cl. 116—180.)



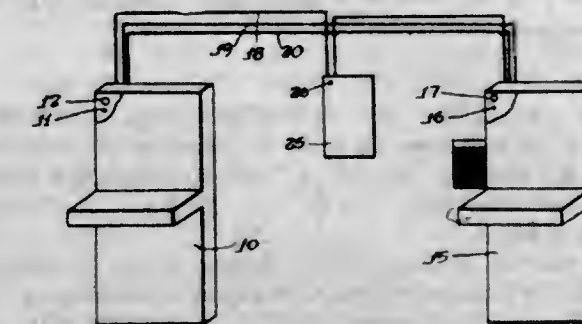
1. A device of the class described comprising a casing, indicating apparatus in said casing, a cover hinged on said casing having eight openings therein, a reflector on said cover, and illuminating means mounted on said cover within said reflector for projecting indirect light on said indicating apparatus.

1,734,695. SHOCK ABSORBER. JACOB R. SNYDER, Cleveland, Ohio, assignor to The Star Rebound Controller Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 11, 1924. Serial No. 731,480. 6 Claims. (Cl. 267—10.)



1. In a shock absorber, a stationary center bolt, a drum, a spring for rotating the drum in one direction, a strap adapted to be wound onto and unwound from the drum, said drum having one side provided with a bearing portion and friction means on the opposite side of the drum.

1,734,696. TELEPHONE SYSTEM. LESTER J. STEVENSON, Chicago, Ill. Filed Feb. 24, 1925. Serial No. 10,997. 5 Claims. (Cl. 179—42.)

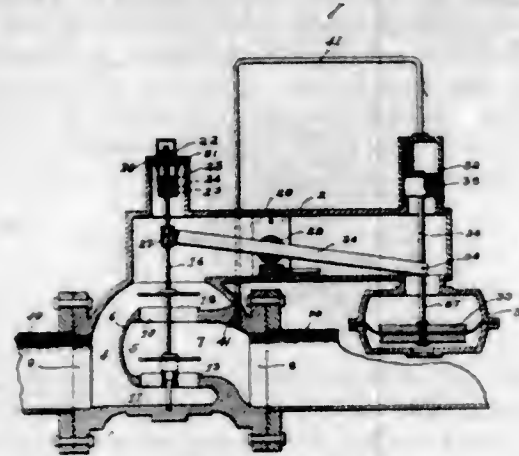


1. A telephone system comprising an exchange switchboard provided with a plurality of separate circuits for individual subscribers, and each having an answering jack, a cord circuit including a calling apparatus for said subscribers' circuits, and trunk lines therefor, and an auxiliary circuit including an independent control device and a signal connected with each of said subscriber's circuits, whereby the signal is automatically actuated by the calling apparatus effective in each of the subscriber's circuits when the corresponding control device is set in a predetermined position, and an answering jack adjacent said auxiliary signal and in parallel with the corresponding answering jack on the exchange switchboard.

1,734,697. METHOD OF AND APPARATUS FOR ANNEALING. OLOR TANGRINO, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Apr. 2, 1927. Serial No. 180,549. 5 Claims. (Cl. 266—5.)

2. An annealing apparatus comprising an annular outer pot, an annular inner pot mounted within said outer pot and spaced from the walls thereof, said last named pot being adapted to contain the articles to be annealed, a

tive to open the valve against the resistance of the spring when the predetermined high pressure is reached, and



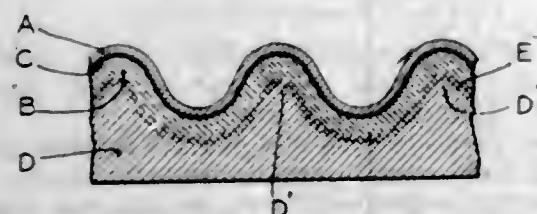
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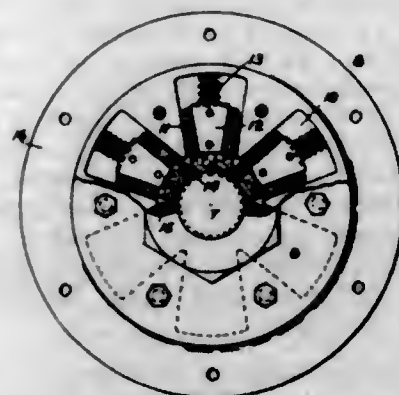
1. The combination of a structural support, a facing of plaster, and a connector of yielding distortable, internally mobile character between the structural support and the plaster facing.

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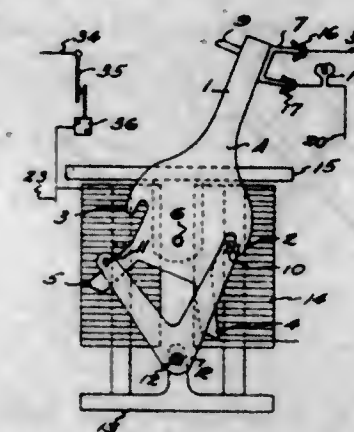


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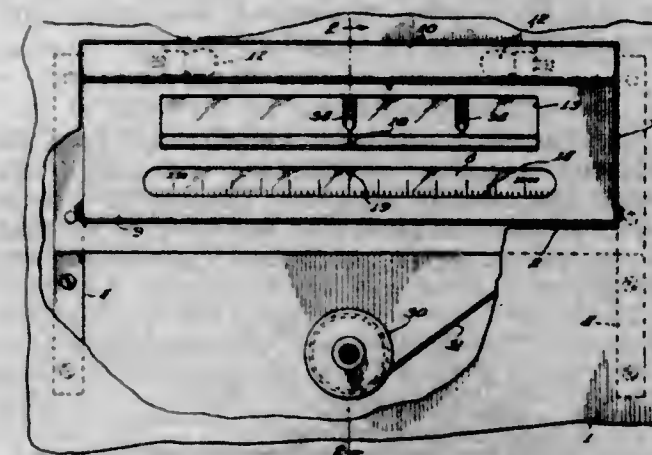


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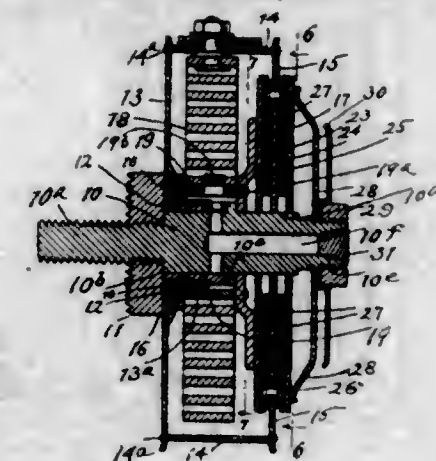
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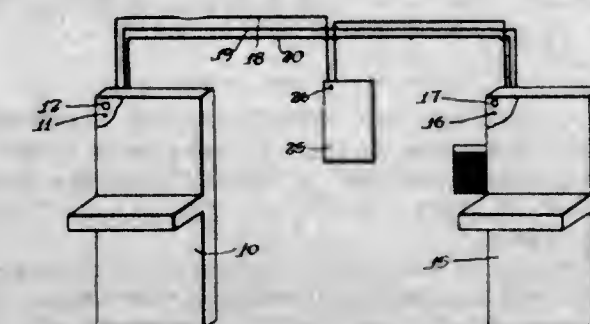
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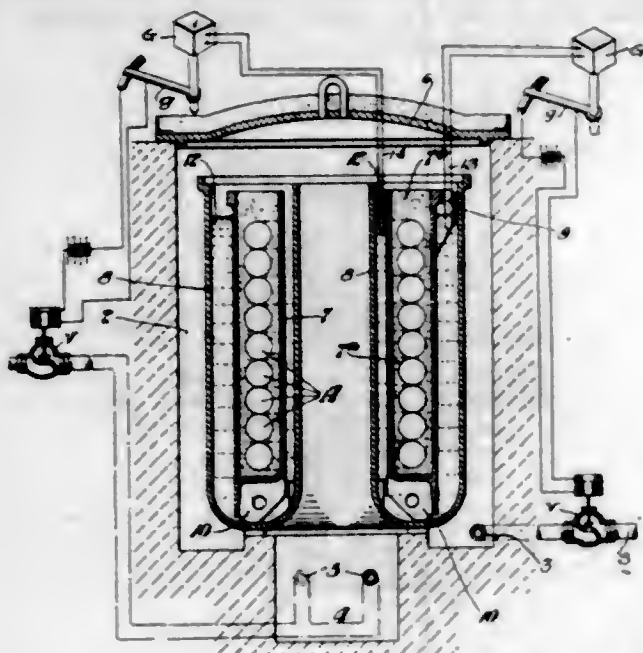


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1,734,697. METHOD OF AND APPARATUS FOR ANNEALING. OLOF TINGRINO, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Apr. 2, 1927. Serial No. 180,549. 5 Claims. (Cl. 286—5.)

2. An annealing apparatus comprising an annular outer pot, an annular inner pot mounted within said outer pot and spaced from the walls thereof, said last named pot being adapted to contain the articles to be annealed, a

quantity of a fluid heat conducting medium in said outer pot and surrounding said inner pot, means for supplying



heat to the outer surface of said outer pot, and temperature responsive means immersed in said heat conducting medium for controlling the supply of heat to said outer pot.

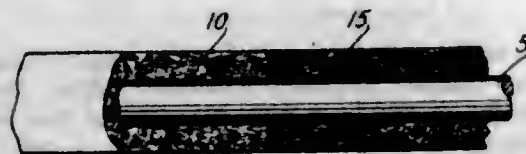
1,734,698. LEPIDOLITE ENAMEL AND METHOD OF PRODUCING SAME. CARL TRENZEN, Honnef-on-the-Rhine, Germany, assignor to Carl Schwartz and G. G. Guthrie Hunter, New York, N. Y. Filed July 9, 1926, Serial No. 121,502, and in Germany July 10, 1925. 4 Claims. (Cl. 91-73.)

1. The method of enamelling a metal article which consists in applying a coating of powdered lepidolite directly in contact with the metal, and thereafter subjecting the article to a baking temperature.

1,734,699. PROCESS OF DEHYDRATING CAUSTIC. JUSTIN F. WAIR, New York, N. Y., assignor to National Aniline & Chemical Co., Inc., a Corporation of New York. Filed Dec. 31, 1924. Serial No. 759,046. 2 Claims. (Cl. 23-184.)

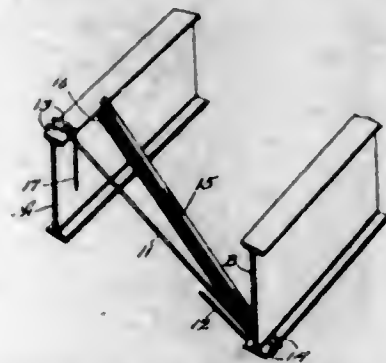
1. The process of dehydrating caustic alkali containing in excess of 10% moisture which comprises introducing the caustic into a closed vessel until approximately 40% of the volume of the vessel is filled, heating the vessel while maintaining the pressure in said vessel below 12 lbs. absolute, introducing weak caustic liquor into said vessel while maintaining the temperature of the liquor in said vessel between 200° and 300° C., discontinuing the introduction of weak caustic liquor into said vessel and raising the temperature of the liquor in said vessel to above 400° C. while maintaining the pressure in said vessel at about 2 lbs. absolute.

1,734,700. COATED CORE. HOWARD GEORGE WALKER, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 5, 1923. Serial No. 643,557. 3 Claims. (Cl. 173-264.)



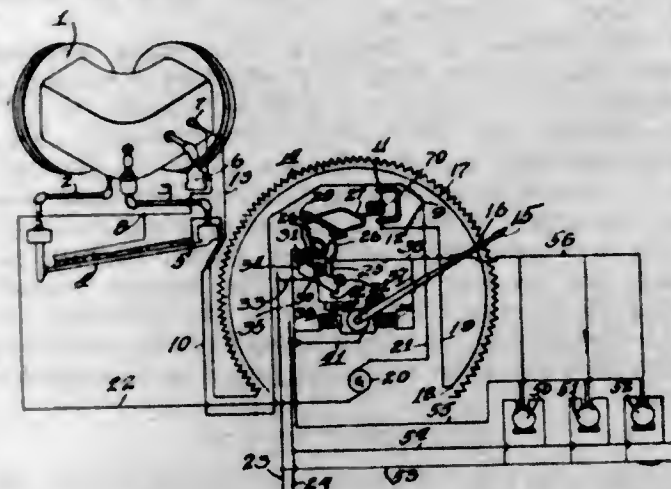
1. An electrical conductor comprising a metallic strand and a continuous, homogeneous, integral coating engaging the strand, consisting of felted fibrous pulp free of adhesive material impregnated with a rubber emulsion.

1,734,701. METHOD OF BRIDGING. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 5, 1928. Serial No. 323,897. 7 Claims. (Cl. 189-36.)



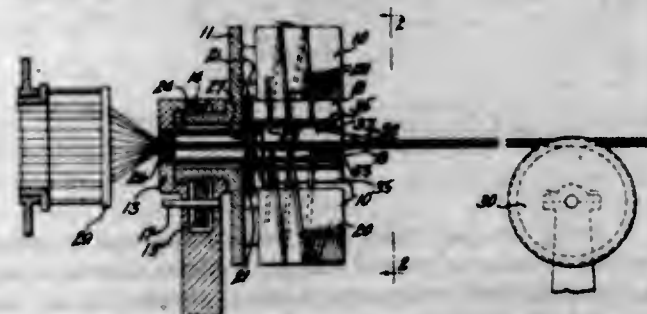
1. The method of installing bridging between beams, which consists in placing a rigid strut between adjacent beams in an inclined position relative to a transverse line between the beams, then connecting a tension member to the beam flanges and pulling the beams toward each other as far as permitted by the strut, and then driving the strut into parallelism with the tension member to spread the beams and thereby place the tension member under greater tension.

1,734,702. REGULATING MECHANISM FOR STEAM-GENERATING PLANTS. JOHN A. WIENER, Rothschild, Wis. Filed July 15, 1922. Serial No. 575,361. 3 Claims. (Cl. 122-449.)



1. In combination, a boiler, means for controlling the supply of fuel, air and feed water to said boiler, motors for operating said controlling means, and an indicating and controlling device for governing the operation of said motors, said device being responsive to the quantity and condition of steam supplied by said boiler.

1,734,703. METHOD OF AND APPARATUS FOR UNWINDING STRAND MATERIAL. THORNTON McDUFFEY YANCEY, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Filed Mar. 22, 1927. Serial No. 177,268. 11 Claims. (Cl. 117-43.)

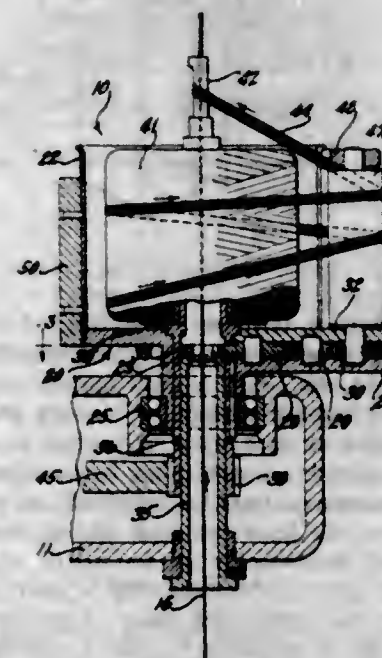


1. The method of unwinding strand material from a supply thereof, which consists in passing a strand with-

drawn from the supply through a predetermined position, then passing the strand into association with the supply so as to distribute the total force required to withdraw the strand from the supply between a plurality of portions of the strand.

4. In apparatus for unwinding strand material from a supply thereof, means for supporting a strand supply, means for applying a withdrawing force to a strand from a supported supply, and means for causing a distribution of the total force required to withdraw the strand from the supply between a plurality of portions of the strand associated with the supply.

1,734,704. METHOD OF AND APPARATUS FOR UNWINDING STRAND MATERIAL. THORNTON McDUFFEY YANCEY, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1927. Serial No. 177,269. 8 Claims. (Cl. 117-42.)



1. The method of unwinding strand material from a supply thereof, which consists in frictionally engaging a strand during the withdrawal thereof from a supply, directing the strand from the point of engagement into association with the supply so as to distribute the force required to withdraw the strand from the supply between a plurality of portions of the strand, and causing a relative movement between the point of frictional engagement and an axis of the supply.

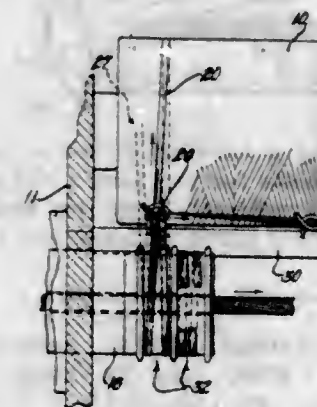
4. In apparatus for unwinding strand material from a supply thereof, means for supporting a strand supply, means for applying a withdrawing force to a strand from a supported supply, means for engaging the strand and associating it with the supply to cause a distribution of the force required to withdraw the strand from the supply between a plurality of portions of the strand to minimize the tension in the strand portion withdrawn directly from the supply, and means for causing a relative movement between the engaging means and an axis of the strand supply.

1,734,705. METHOD OF AND APPARATUS FOR UNWINDING STRAND MATERIAL. THORNTON McDUFFEY YANCEY, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1927. Serial No. 177,270. 7 Claims. (Cl. 117-43.)

1. The method of unwinding strand material from a supply thereof, which consists in frictionally engaging a

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strand with a surface during the withdrawal thereof from a supply, directing the strand from the point of engagement into association with the supply, and causing a relative

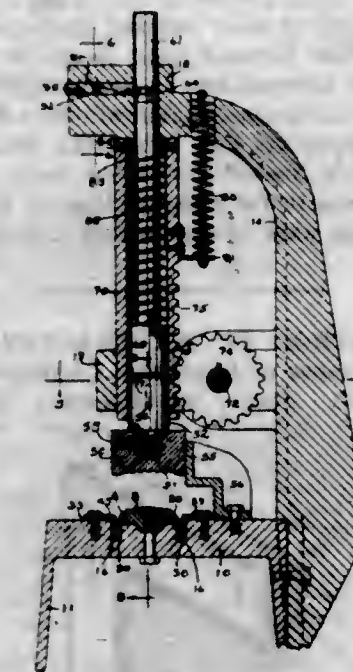


tive movement between the supply and the surface so as to distribute the force required to withdraw the strand from the supply between a plurality of portions of the strand.

1,734,706. CLEANING METAL SURFACE. HOWARD ADLER, Chicago Heights, Ill., assignor to Diversy Manufacturing Company, a Corporation of Illinois. Filed Mar. 29, 1926. Serial No. 98,404. 11 Claims. (Cl. 87-5.)

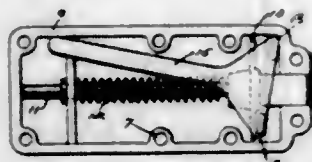
3. The method of cleaning tinned metal surfaces and inhibiting corrosion of the tin thereof which comprises subjecting such surfaces to the action of a solution of trisodium phosphate in the presence of sodium dichromate.

1,734,707. APPARATUS FOR CLAMPING PRINTING STRIPS ON A HOLDER. WILLIAM R. ALLEN, Hudson, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 12, 1926. Serial No. 147,927. 23 Claims. (Cl. 153-1.)



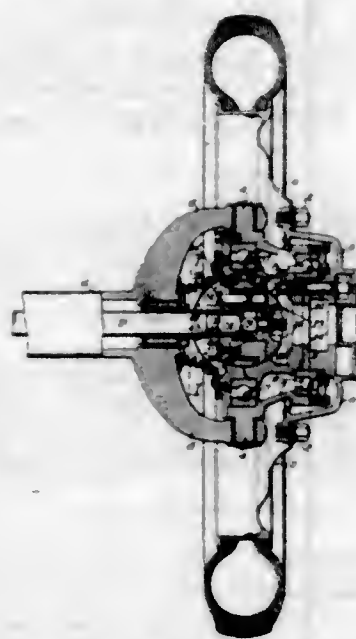
1. The combination, with means for holding a holder on which are mounted a plurality of printing strips, a head adapted to engage edges of a plurality of such strips and indenting the same to bind them on the holder and hand operated means for delivering a blow of constant force to the head.

1,734,708. LATCH. ARTHUR ANDERSON, Newton Center, and FRITZ W. A. HENRICI, Boston, Mass. Filed Nov. 10, 1925. Serial No. 68,193. 1 Claim. (Cl. 292-173.)



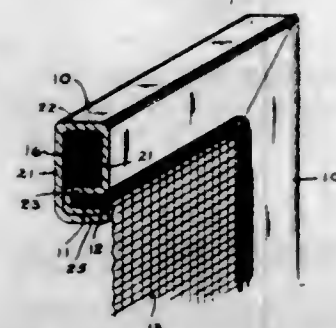
A latch comprising a housing, a bolt entirely operable therein, a pressure plate for the bolt, a throwing member seated thereon, and a resiliently supported handle operative against the plate either above or below the bolt for operating the bolt.

1,734,709. FRONT-WHEEL DRIVE. ARTHUR J. BAYLEY, Milwaukee, Wis. Filed July 28, 1926. Serial No. 125,387. 9 Claims. (Cl. 180-48.)



1. In a drive mechanism the combination of driving and driven members, a plurality of trunnions on one of said members, an arcuate element pivotally engaged with each trunnion, an arcuate groove in the other of said members for slidably receiving each element to thereby establish a driving connection between said members permitting an angular relation between the axes of rotation thereof, and yieldable means for normally maintaining a definite relation between said trunnions but permitting limited movement of said trunnions toward and from each other to automatically compensate for irregularities in the transmitted torque when said axes are angularly disposed relative to each other.

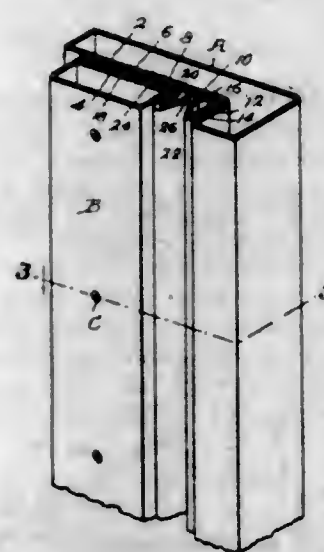
1,734,710. METHOD OF MANUFACTURING SCREEN FRAMES. ALBERT G. BORCHERT, Cleveland, Ohio. Filed Jan. 29, 1927. Serial No. 164,400. 1 Claim. (Cl. 150-14.)



The method of forming a rail for a screen frame from a metallic tube including the steps of deforming the tube to make a hollow rectangular body portion with a laterally extending portion, and then bending the laterally ex-

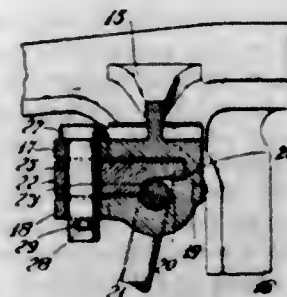
tending portion toward the rectangular body portion so as to form an outwardly opening channel extending longitudinally of the rail.

1,734,711. METALLIC WEATHER STRIP. FRED W. BRAZELL and OTIS W. BRAZELL, St. Joseph, Mo. Filed Aug. 15, 1927. Serial No. 213,136. 1 Claim. (Cl. 296-445.)



In combination, a member consisting of a longitudinal rib, a longitudinal wing extending backwardly at an acute angle from said rib, and a corrugated base extending laterally from the rear portion of the rib and away from the inner margin of said wing, a second member consisting of a corrugated base adapted to fit against the back of the first-mentioned base, a longitudinal rib projecting forwardly from the base on said second member, and a wing extending backwardly at an acute angle from the last-mentioned rib, a frame having a corrugated surface against which the corrugated base of the second member is adapted to fit, a molding having a corrugated surface adapted to fit against the corrugated surface of the first-mentioned base, and means for securing the afore-mentioned corrugated portions together.

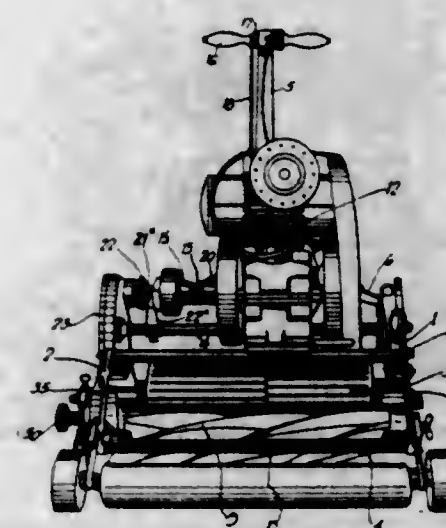
1,734,712. BRAKE-HANGER SUPPORT. LLOYD J. BROWN, Evanston, Ill., assignor to E. Payson Smith, Springfield, Ill. Filed Dec. 24, 1925. Serial No. 77,623. 10 Claims. (Cl. 188-209.)



1. A brake hanger support for pendently securing the brake hanger to the truck side frame comprising a lug secured to the side frame and having a transverse slot extending inwardly from the free end of the lug, a keeper member of width corresponding to the depth of said slot and insertible edgewise into said slot to close the forward end thereof and extend flush with the outer end of the lug.

the inner end of the keeper member being reduced, and means insertible through the outer end of the lug and the member whereby the keeper member is secured in place.

1,734,713. POWER MOWER. JOHN A. E. CARLSON, Racine, Wis., assignor to Jacobson Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed June 13, 1927. Serial No. 198,317. 15 Claims. (Cl. 56-26.)



1. A power mower comprising a frame, traction means, cutting means, a motor, a drive shaft, a clutch controlling the connection of the motor and of the drive shaft, gearing for constantly driving the traction means from the drive shaft, and a shiftable pinion between the gearing and the cutting means, said pinion in one position serving to drive the cutting means from the gearing and in its other position disconnecting the cutting means from the gearing whereby the cutting means remains idle while the traction means is actuated.

1,734,714. IMPREGNATED WOOD AND PROCESS OF TREATING WOOD. JOSEPH RANDOLPH COOLIDGE, 3d, Brookline, Mass., assignor to Montan, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1927. Serial No. 181,276. Renewed Apr. 13, 1929. 15 Claims. (Cl. 99-12.)

1. An article of the character described comprising wood impregnated for a substantial depth with a toxic preservative sealed in the wood by soap.

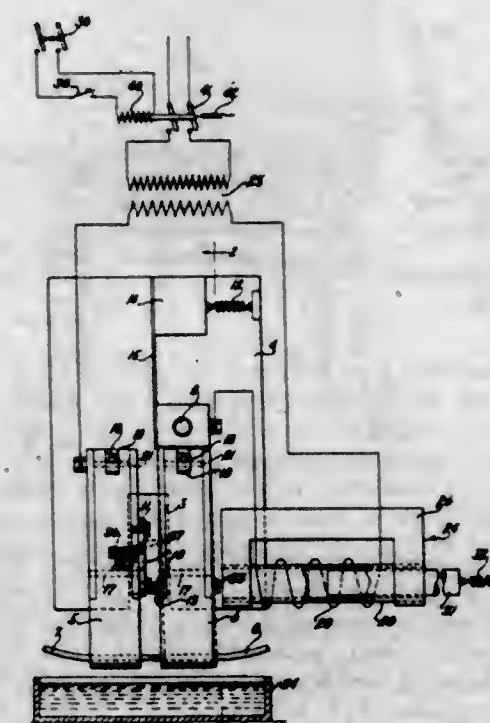
13. That improvement in processes of treating wood which consists in subjecting the wood to successive impregnations with materials which combine in the wood to form an insoluble metallic soap.

1,734,715. FIREPROOFED WOOD AND PROCESS OF TREATING WOOD. JOSEPH R. COOLIDGE, 3d, Brookline, Mass., assignor to Montan, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Dec. 18, 1926. Serial No. 155,766. 7 Claims. (Cl. 99-12.)

6. An article of the character described comprising wood the walls of the pores and tracheids of which for a substantial depth carry a water soluble fireproofing salt, and an insoluble metallic soap in said pores and tracheids serving to protect said salt.

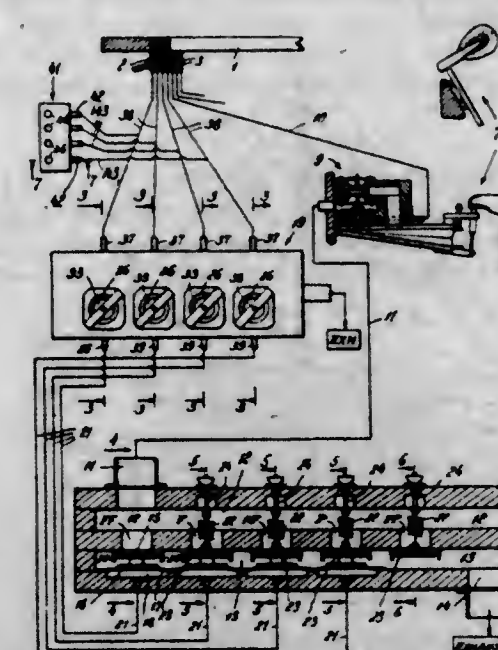
7. That improvement in processes of fire-proofing wood which consists in forcing into the pores and tracheids of the wood for a substantial depth a water solution of a fire-proofing salt, including in said solution a metallic salt adapted to react with a soluble soap to form an insoluble soap, and subsequently impregnating the wood so treated with a solution of soap to combine in the wood with said metallic salt to produce an insoluble soap capable of sealing said fireproofing salts in the wood.

1,734,716. APPARATUS FOR WELDING. THOMAS ARCHIE DANIEL, Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 186,972. 11 Claims. (Cl. 219-4.)



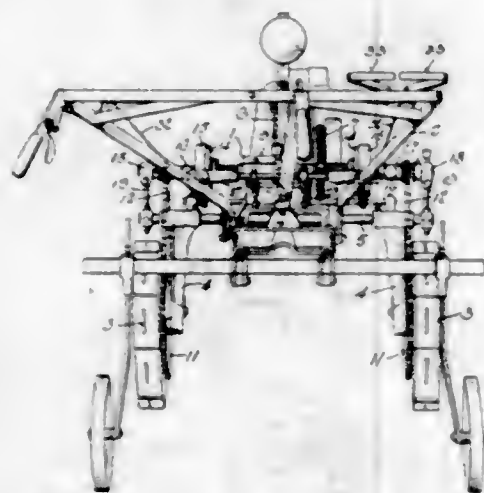
1. In a welding apparatus, a welding current control means comprising an inductance, and means for varying the impedance of said inductance in response to the current value and for imparting a percussive blow to the parts to be welded.

1,734,717. AUTOMATIC PIANO. JOSEPH HUNTER DICKINSON, Larchmont, N. Y., assignor to The Aeolian Company, a Corporation of Connecticut. Filed Dec. 22, 1922. Serial No. 608,524. 9 Claims. (Cl. 84-42.)



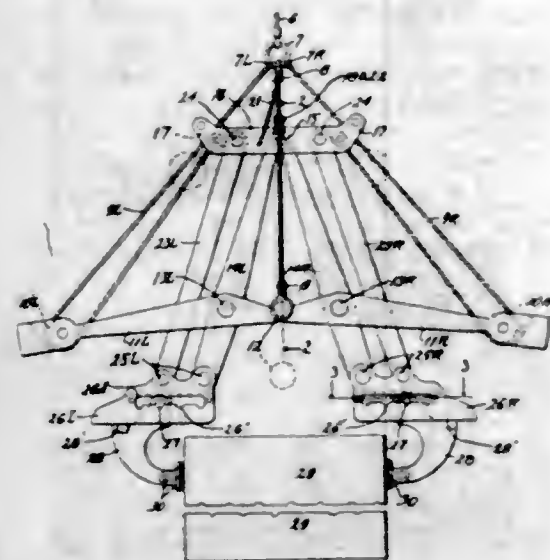
2. In combination with the tracker bar, the striker-pneumatic action and the exhaustor of an automatic piano, an expression-means comprising two non-collapse chambers respectively connected with the striker-pneumatic action and the exhaustor, said chambers being connected by a plurality of ports, valves for said ports in the chamber connected with the exhaustor, springs having graded tensions arranged to actuate said valves yieldingly to said ports, and means for individually controlling said valves to put same into and out of action.

1,734,718. TRANSMISSION UNIT. FORREST V. DONALD, Port Washington, Wis., assignor to The Gilson Manufacturing Company, Port Washington, Wis., a Corporation of Wisconsin. Filed May 28, 1925. Serial No. 33,349. 16 Claims. (Cl. 180-17.)



1. A transmission unit of the character described comprising a bearing member, a shaft extending loosely through said bearing member on either side thereof, driving elements loosely arranged on said shaft on either side of said bearing member and adapted for connection to the ground wheels of a vehicle, clutch means arranged on said shaft for connecting either or both of said elements to said shaft for rotation thereby, shifting elements operatively associated with said clutch means, supporting means or said bearing member for said shifting elements, said supporting means constraining said shifting elements to sliding movement, rotatable actuating elements mounted on said supporting means and coacting with the shifting elements to control and actuate the same, and manually operable means for controlling and moving said actuating elements.

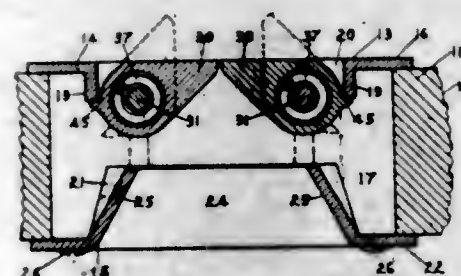
1,734,719. GRABHOOK. NELS EKBEG, St. Paul, Minn. Filed Sept. 16, 1927. Serial No. 219,904. 5 Claims. (Cl. 294-97.)



1. In a grabhook of the class described adapted to be portably suspended by a ring, a horizontal yoke normally in spaced relation below said ring, a pair of main pinch bars pivotally secured in said yoke and extending downwardly in inverted V-form, a pair of secondary pinch bars arranged parallel to and outwardly of each of said main bars and having their upper ends pivotally secured in said yoke, the lower ends of each adjacent pair of said bars apertured in horizontal alignment and a grabhook member fixed to each pair of apertured ends and suspended therefrom in horizontal alignment, a removable article-engaging hook in each of said grabhook members and ad-

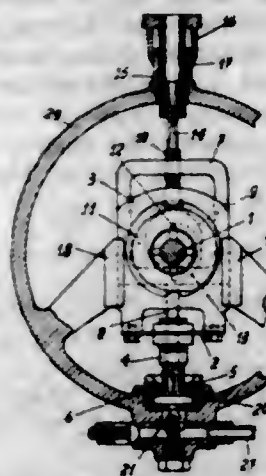
justable horizontally therein, and means moving said opposite pairs of pinch bars toward each other with said lower ends to cause said article engaging means to engage opposite sides of a block or similar article.

1,734,720. GUN PORT. EDWARD H. ELLISON, Jamestown, N. Y., assignor to Ellison Bronze Company, Inc., Falconer, N. Y., a Corporation of New York. Filed Dec. 27, 1926. Serial No. 157,147. 2 Claims. (Cl. 89-36.)



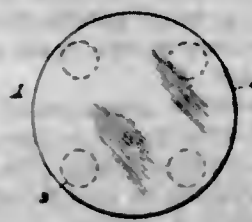
1. In a gunport adapted to be mounted in an orifice and having a passage therethrough, a pair of gates normally closing said passage, posts on which said gates are pivotally mounted, said gates having chambers through which said posts pass, and springs in said chambers for holding said gates closed.

1,734,721. LUBRICANT AND FUEL PUMP. AUGUST FRISCH, Rebstein, St. Gallen, Switzerland. Filed Dec. 9, 1927. Serial No. 238,848, and in Switzerland Feb. 12, 1927. 11 Claims. (Cl. 103-163.)



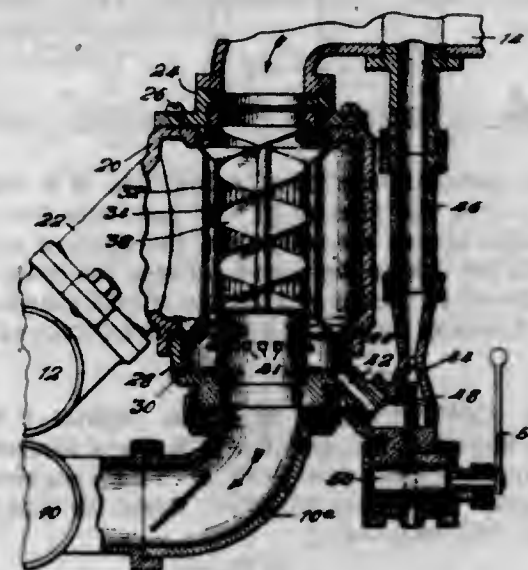
1. An improved lubricant and fuel pump comprising a cylinder mounted so as to be axially movable, a piston working in said cylinder, a suction passage connected to said cylinder, a closure member included in said suction passage, said closure member being capable of being opened and closed by said cylinder, a driving shaft, a resilient member between the driving shaft and the cylinder, and a pressure passage co-operating with said cylinder.

1,734,722. PYROTECHNICAL DEVICE. WILLIAM F. GUNNIG, Berkley Heights, N. J., assignor to Essex Specialty Co., Inc., Berkley Heights, N. J., a Corporation of New Jersey. Filed June 12, 1928. Serial No. 284,694. 4 Claims. (Cl. 102-20.)



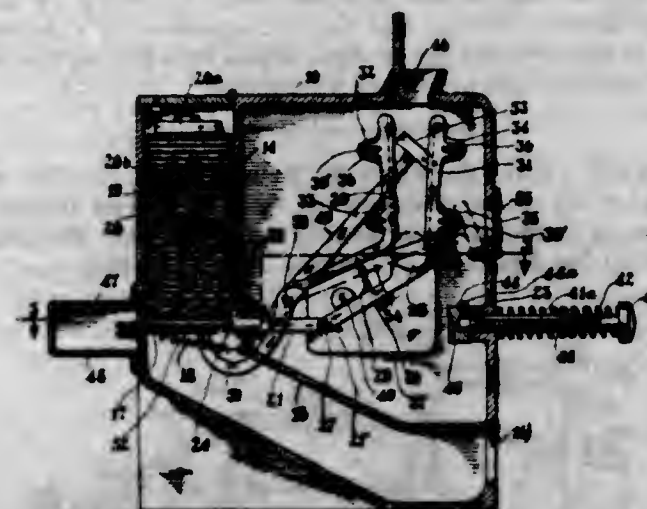
1. A pyrotechnical device comprising, a base member, a plurality of spaced buttons of pyrotechnical composition secured to said base member, and means for simultaneously igniting said buttons.

1,734,723. VAPORIZER AND FUELIZER FOR INTERNAL-COMBUSTION ENGINES. RICHARD FREDERICK GILDEHAUS, Jr., Dallas, Tex. Filed June 13, 1924. Serial No. 719,723. Renewed May 9, 1929. 7 Claims. (Cl. 48-180.)



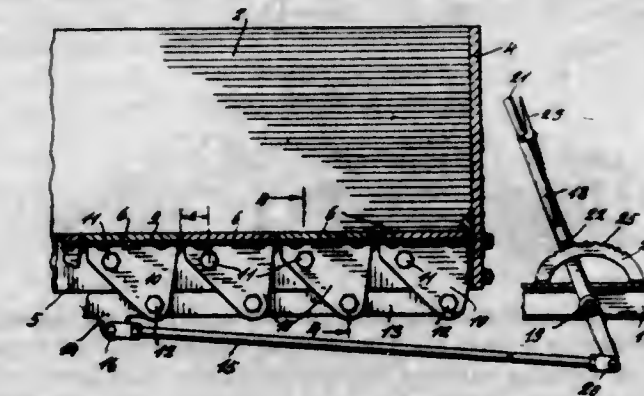
2. In a device for treating the heavy ends of internal combustion engine fuel, means between the fuel atomizer and the engine comprising a spiral gas passage, a corrugated surface surrounding said passage, and forming the outer wall thereof, an exhaust gas chamber surrounding said corrugated surface and supplying heat thereto, means adjacent the end of said passage for receiving vapors from said surface and from said gas passage, receiving means surrounding said vapor reception means for the collection of liquid drained from said corrugated surface and further means for recirculation and reatomization of said liquid.

1,734,724. COMB-VENDING MACHINE. SAMUEL GOLDHEIR, Brooklyn, N. Y. Filed Oct. 11, 1927. Serial No. 225,424. 3 Claims. (Cl. 194-73.)



1. A comb vending machine, comprising a casing with a coin receiving opening and a comb discharge opening, and arranged for holding combs, a coin lever arranged for moving into horizontal position upon receiving a coin thru the said coin opening, a plunger for moving the coin lever in a horizontal direction for dispensing one comb thru the discharge opening, a projection for pushing the coin off the coin lever during the dispensing operation of the latter, a spring for urging the coin lever into raised position, and the end of the plunger being formed with a cam recess for receiving the end of the coin lever so as to allow the said spring to raise the coin lever upon backward motion of the plunger.

1,734,725. DUMP BODY FOR TRUCKS. GEORGE R. HAGGARD, Denver, Colo. Filed June 11, 1927. Serial No. 198,196. 1 Claim. (Cl. 298-30.)

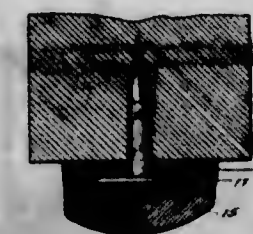


A dump body having two parallel side members spaced from each other and a dump bottom located between the sides and above the lower edge of the latter, the bottom consisting of a plurality of boards extending transversely from the inside of one side to the inside of the other side and normally lying in a common plane, so as to form a bottom closure, a bracket secured to the end of each board adjacent the inner surfaces of the sides, said brackets each having a downwardly extending portion, each bracket being provided with an opening for the reception of a pivot pin, said opening being located between one edge of the board and its center, a rod pivotally connected with the lower end of each of the brackets, said rod lying below the pivot, and means for moving the rod in the direction of its length whereby the boards will be simultaneously rocked.

1,734,726. REFRACTORY PRODUCT AND PROCESS FOR MAKING THE SAME. ISAAC HARTER, Dongan Hills, N. Y., and ANTHONY M. KOHLER, Jersey City, N. J. Filed May 25, 1923. Serial No. 641,519. 8 Claims. (Cl. 106-9.)

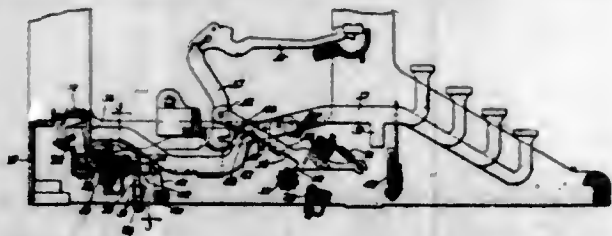
1. A refractory article comprising particles of aluminosilica material having a greater alumina content and a higher melting point than kaolin and burned at a temperature of at least 90% of the melting point temperature of said material, said particles being bonded by aluminosilica material of a melting point at least equal to kaolin and burned at a temperature of not less than 3000° F.

1,734,727. FURNITURE SLIDE. WALTER F. HEROLD, Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 28, 1927. Serial No. 187,179. 2 Claims. (Cl. 16-42.)



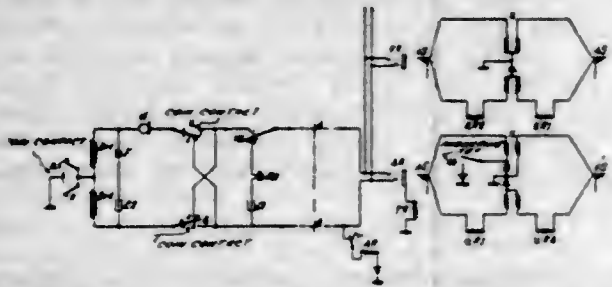
1. In a cushion slide for furniture, a one-piece body comprising a resilient cushioning portion and a relatively hard non-resilient floor engaging portion, and attaching means comprising a tack having a laterally extending relatively wide base entirely embedded and secured in said cushioning portion in spaced relation to said floor engaging portion, said cushioning portion providing a cushioning layer between the under surface of said base and said floor engaging portion, whereby the latter is adapted to have relative tilting movement, said tack adapted to be driven into the furniture by blows directly applied to said floor engaging portion.

1,734,728. MANUAL AND POWER-OPERATED TYPE-WRITER. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Feb. 5, 1926. Serial No. 86,118. 23 Claims. (Cl. 197-17.)



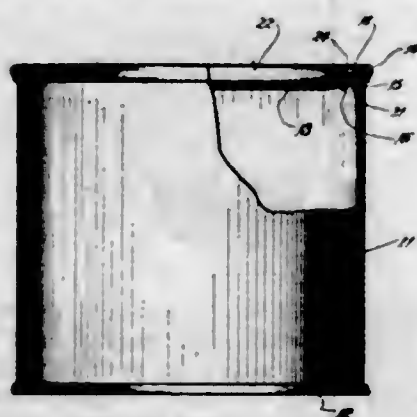
1. A typewriter comprising power operated mechanism for actuating a movable part of said typewriter, and a key lever for causing said mechanism to actuate said part, said key lever being adjustable into a position for operating said movable part independent of said power operated mechanism.

1,734,729. MEASURED SERVICE TELEPHONE SYSTEM. ARNO HORN, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Filed Nov. 3, 1926, Serial No. 145,924, and in Germany Dec. 30, 1925. 11 Claims. (Cl. 173-6.3.)



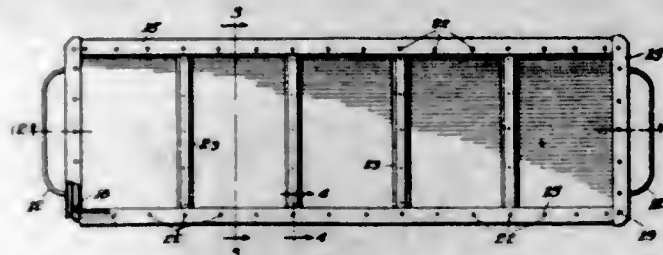
1. In a telephone system, a subscriber's line, paystation mechanism, a transmitter and a receiver at a substation on said line, means responsive to the removal of the receiver from the hook preparatory to the initiation of a call for connecting said transmitter and receiver in a circuit including both sides of said line in series, means responsive to the deposition of a coin in said mechanism for opening one side of said circuit and completing a circuit over one side of the line to ground at the substation, and means controlled by the subscriber for thereafter completing a circuit including both sides of the line in parallel to ground at the substation.

1,734,730. CAN. JOHN S. JOHANNES, Montreal, Quebec, Canada, assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1925. Serial No. 19,493. 3 Claims. (Cl. 220-53.)



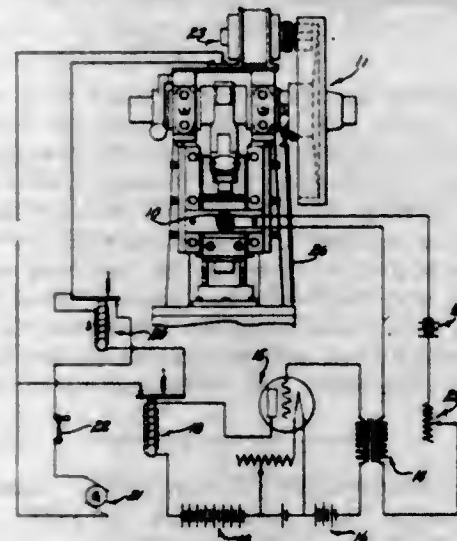
1. A container, comprising a body, an end member permanently seamed thereto and having a channel disposed inwardly from the seam, the material being scored at the base of said channel, a separate ring secured over the seam and formed with a wall extending into said channel and vertically above said score line, and a friction plug closure adapted to cooperate with said wall.

1,734,731. BAKING PAN. EDWARD KATZINGER, Chicago, Ill. Filed Jan. 7, 1927. Serial No. 159,516. 24 Claims. (Cl. 53-6.)



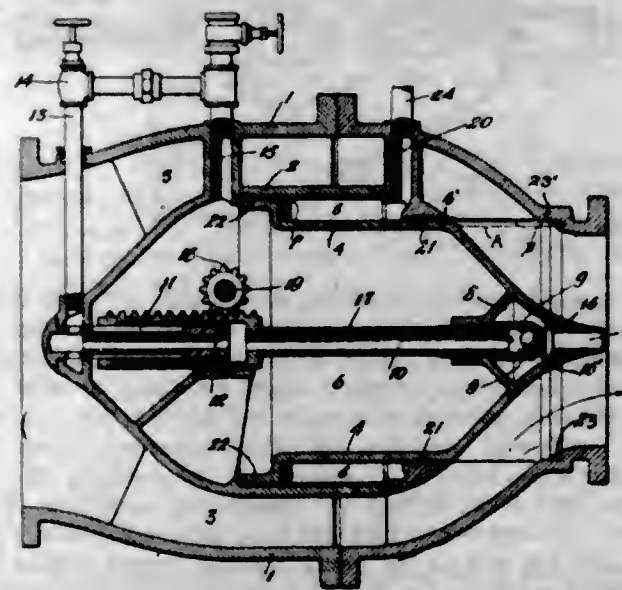
1. The combination with a baking pan, of a frame removably fitting the interior of said pan, said frame comprising walls spaced inwardly from the walls of said pan, and means for closing the spaces between the walls of said pan and frame at the top and bottom of said spaces to provide air chambers surrounding said frame within said pan.

1,734,732. CONTROLLING SYSTEM. HERMANN ERNST KRANZ, Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1926. Serial No. 119,778. 6 Claims. (Cl. 192-129.)



1. In a controlling system, an electrical circuit including a propelling mechanism, another circuit including an electron discharge device, and means responsive to a current flow in the circuit of the electron device for affecting the circuit including the propelling mechanism.

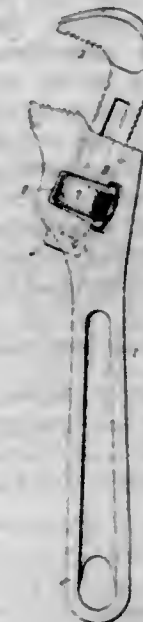
1,734,733. VALVE. OTTO V. KRUSS, Narberth, Pa., assignor, by mesne assignments, to I. P. Morris Corporation, a Corporation of Delaware. Filed Jan. 27, 1922. Serial No. 532,100. 57 Claims. (Cl. 108-16.)



1. The combination in a valve mechanism comprising a valve casing, a movable valve element disposed therein and

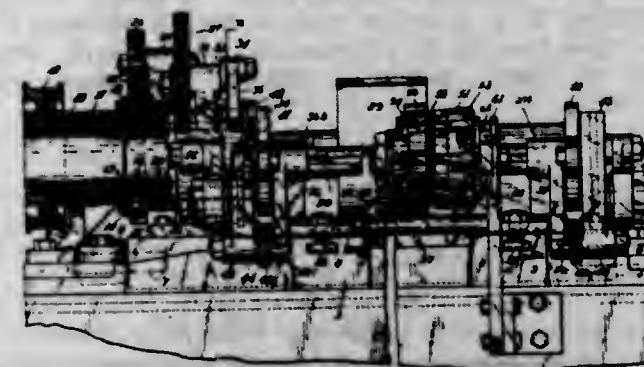
adapted to control fluid flow therethrough, means for actuating said valve element in opposite directions including fluid pressure opening and closing chambers, and means for automatically controlling fluid pressure in said chambers to close said valve element when operating conditions are such as to permit reversal of flow through said valve, said automatic means comprising a remote control release valve for said fluid pressure.

1,734,734. WRENCH. GOTTFRIED C. LAWSON, Cleveland, Ohio. Filed Dec. 10, 1926. Serial No. 153,778. 3 Claims. (Cl. 81-101.)



1. A wrench having a frame provided with a stationary jaw, there being a longitudinal aperture through the frame, and a transverse aperture intersecting said longitudinal aperture, a movable jaw having a threaded shank extending into the longitudinal aperture and longitudinally and angularly movable therein, an adjusting nut threaded on said shank and extending through the transverse aperture, a spring bearing at its ends upon the shank above and below the nut and at its center upon the frame and normally holding the shank in an intermediate angular position in the frame, and stops carried by the frame and engageable by the spring adjacent its ends to prevent one end or the other from contacting the shank when it is moved angularly relative to the frame.

1,734,735. UNIVERSAL RADIAL GRINDING MACHINE. PATRICK T. LEXNON, Cleveland, Ohio, assignor to The Kelly Reamer Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 24, 1927. Serial No. 214,999. 6 Claims. (Cl. 51-225.)



1. An attachment for a grinding machine comprising a longitudinally movable carriage, a rotatable shaft mounted thereon, a pivoted platen carried by said carriage and adapted to rotatably support a cutter having teeth or

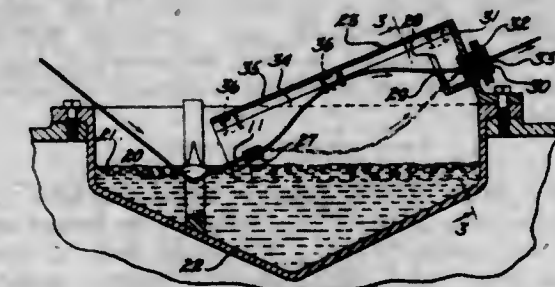
blades to be ground, means for rotating the said shaft and said cutter, and means operatively associated with said shaft and platen for tilting the latter and moving the cutter into and out of engagement with a grinding wheel, the last said means including a plurality of detents rotatable by said shaft and each engageable successively with a tooth on the cutter diametrically opposed to the tooth in engagement with the grinding wheel.

1,734,736. SIGN. LEONARD C. LOTZ, Newark, N. J. Filed Oct. 22, 1927. Serial No. 227,898. 4 Claims. (Cl. 40-135.)



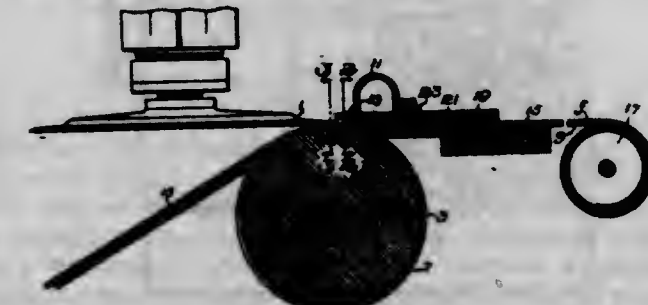
1. A sign structure, comprising a sheet of light transmitting pyroxylin material, an opaque background sheet cut out to correspond to characters making up the sign display and superimposed upon said pyroxylin sheet, said background sheet having rearwardly projecting lugs integral therewith and extending rearwardly therefrom in connection with the margins of the cutouts corresponding to the characters making up the sign display, said pyroxylin sheet having openings therethrough to receive said lugs, and the free ends of said lugs being clinched over the rear face of said pyroxylin sheet to bind said background sheet thereto at point adjacent to each sign character.

1,734,737. METHOD OF AND APPARATUS FOR COATING STRAND MATERIAL. FRANK MARTINDALL, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1928. Serial No. 299,462. 7 Claims. (Cl. 91-59.1.)



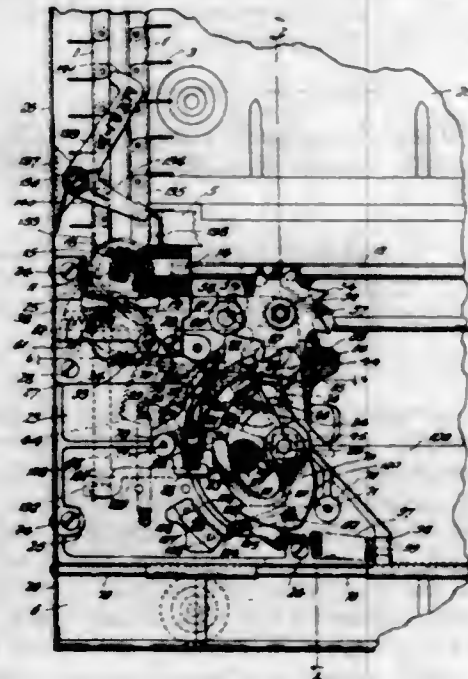
1. A method of coating strand material, consisting in advancing the material through a coating substance, and revolving the material after it has advanced through the substance to remove an amount of the coating substance.

1,734,738. LACING AND LIKE ARTICLE AND METHOD OF MAKING THE SAME. FRANK W. MERRICK, Dorchester, Mass., assignor to American Stay Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Sept. 22, 1928, Serial No. 307,758. Divided and this application filed Mar. 7, 1929. Serial No. 345,100. 18 Claims. (Cl. 69-21.)



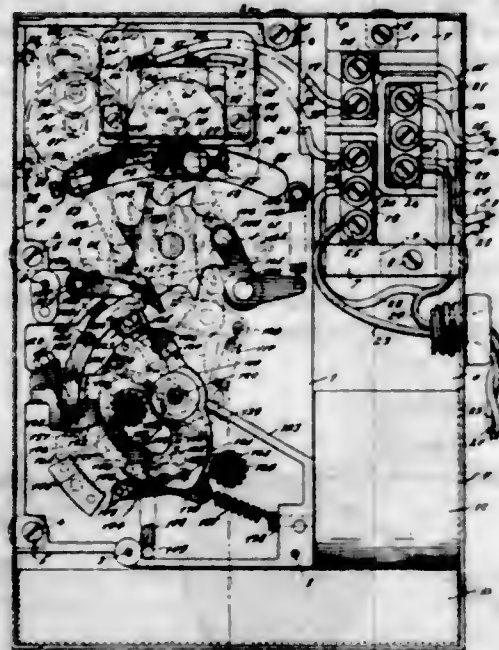
1. As an article of manufacture, a leather lacing comprising a strip of leather having in cross-section a convex side consisting of the grain side of the hide.

1,734,739. COIN-CONTROLLED MECHANISM. LOUIS H. MORIN, New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc., a Corporation of New York. Filed Oct. 5, 1927. Serial No. 224,051. 17 Claims. (Cl. 194-63.)



15. In a coin controlled mechanism, the combination of a freely idly movable coin carrier, a freely idly movable driving member, means including a handle for moving the driving member and the coin carrier, an initial operating member normally disconnected from the said driving member, a coin-driven device mounted separately from the coin-carrier to be engaged and operated by a coin moved by the coin carrier, and a normally ineffective coupling member separate from the coin carrier and from the coin-driven device to be made effective by the coin-driven device to connect the said operating member to the said driving member so that movement of the driving member will impart operating movement to the operating member.

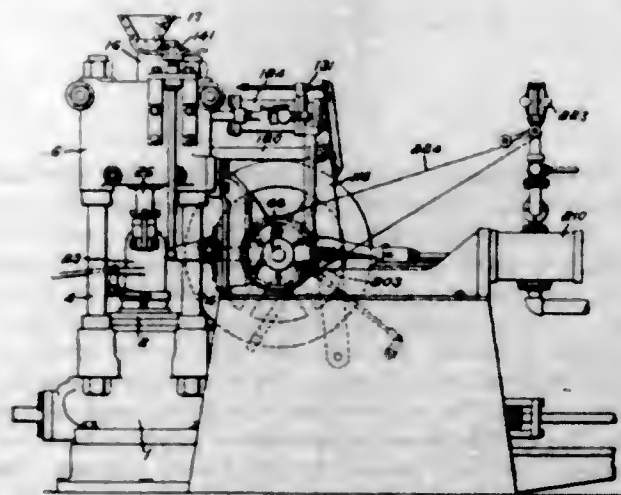
1,734,740. COIN-CONTROLLED MECHANISM. LOUIS H. MORIN, New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc., a Corporation of New York. Filed Oct. 5, 1927. Serial No. 224,052. 20 Claims. (Cl. 194-83.)



1. A coin controlled mechanism having, in combination, an initial operating member mounted for to and fro move-

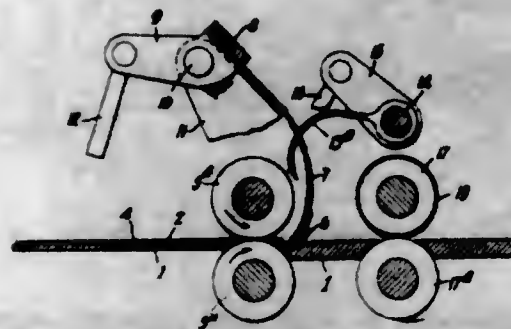
ment, a second operating member mounted to have to and fro movement, a lost motion operating connection between said members by which the initial operating member as it approaches the termination of its forward and backward movements will impart corresponding movements to the said second operating member, an energy storing device to be stored with energy by the forward movement of the initial operating member thereby to be effective for urging this member to return movement, a retarding device for the initial operating member in its return movement so that a predetermined interval of time will elapse between the forward and the backward movements of the second operating member while the said lost motion is being taken up, and a normally ineffective manually operable device made effective by a coin so that movement of the manually operable device will then transmit forward operating movement to the initial operating member and will store energy in the energy storing device, whereby such forward movement of the initial operating member will operate the said second operating member in the forward direction of its movement and the subsequent retarded return movement of the initial operating member will operate the said second operating member in the backward direction of its movement after the desired period of time has elapsed.

1,734,741. PRESS. ROBERT F. MORRISON, Yonkers, N. Y., assignor to The International Pavement Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 30, 1926. Serial No. 151,686. 46 Claims. (Cl. 25-84.)



1. In a high speed press having a mold and a mold cover, actuating means for effecting relative movement between said mold and mold cover comprising a rotatable cam shaft and cam shaft rotating instrumentalities connected to said shaft and adapted normally to vary the rate of rotation thereof during different portions of the cycle of operation of said cam shaft.

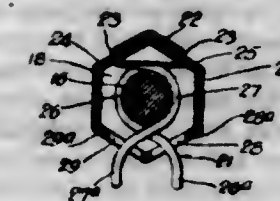
1,734,742. FOLDING MECHANISM. ABRAHAM NOVICK, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 25, 1927. Serial No. 235,536. 3 Claims. (Cl. 93-62.)



1. In envelope-making machinery, a bottom flap-folding device comprising means for feeding an envelope blank in

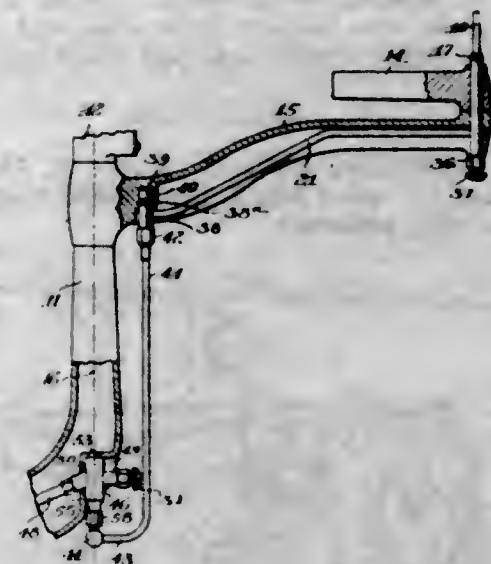
which a preliminary score has been formed, a pivoted depending deflecting member arranged to move into and out of the path of movement of the blank for deflecting upward said flap of said blank, said deflecting means being constructed and arranged to remain stationary upon initial contact of the flap therewith and to thereafter move away from said feeding means at a rate lower than the rate of advance of the envelope blank, a pivoted tucker finger co-operative with said deflecting means for partially folding the blank at said score line and for removing it out of contact with said deflector member and means for completing said fold.

1,734,743. NUT LOCK. HENRY F. PAUL, Astoria, N. Y. Filed Aug. 2, 1928. Serial No. 296,913. 5 Claims. (Cl. 151-18.)



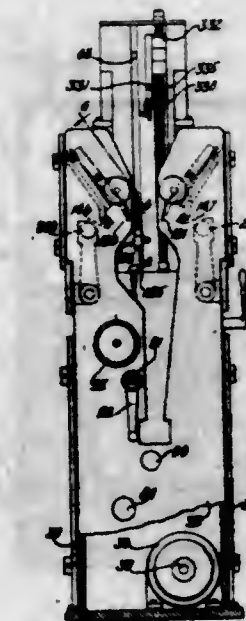
1. In nut lock construction of the character described, in combination, a bolt provided with a threaded shank portion, a nut screwed on said portion, and means to lock said nut on said shank, said means including a sleeve fitted on said nut and a spring clamp adapted to engage the threads of said shank portion said clamp being attached to said sleeve and having handle portions extending through said sleeve.

1,734,744. DENTAL EQUIPMENT APPARATUS. ALPHONSE F. PIEPER, Rochester, N. Y. Filed May 6, 1925. Serial No. 28,484. 19 Claims. (Cl. 32-5.)



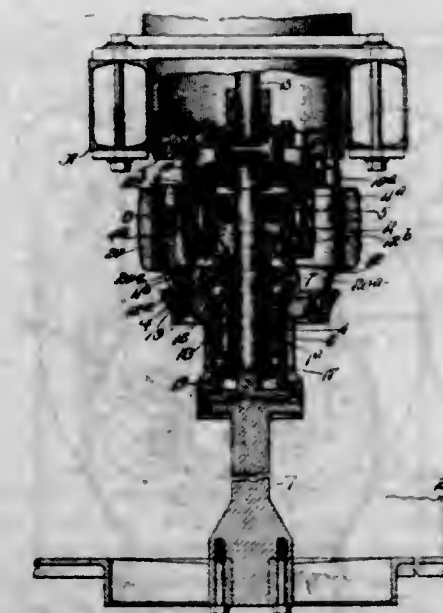
1. In dental equipment apparatus, a standard, an arm pivotally connected therewith, a burner carried by the arm, a rigid fuel supply pipe for the burner secured upon the arm independently of its pivotal connection with said standard and having its inlet end depending from the arm and pivotally connected with the standard at a point beneath the arm whereby it is adapted to swing with the arm, and a second supply pipe connected with the first.

1,734,745. APPARATUS FOR REMOVING INSULATION. WILLIAM HARRY RAY, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1926. Serial No. 119,776. 14 Claims. (Cl. 140-1.)



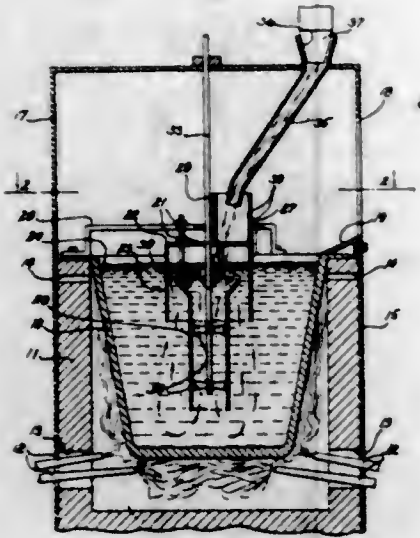
1. In an apparatus for removing insulation from an electrical conductor, means for holding the conductor, a heating element for charring the insulation on the conductor, and a rotating member for removing the charred insulation.

1,734,746. CENTRIFUGAL MACHINE. EUGENE ROBERTS, New York, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a Corporation of Utah. Filed Nov. 22, 1926. Serial No. 149,982. 7 Claims. (Cl. 308-142.)



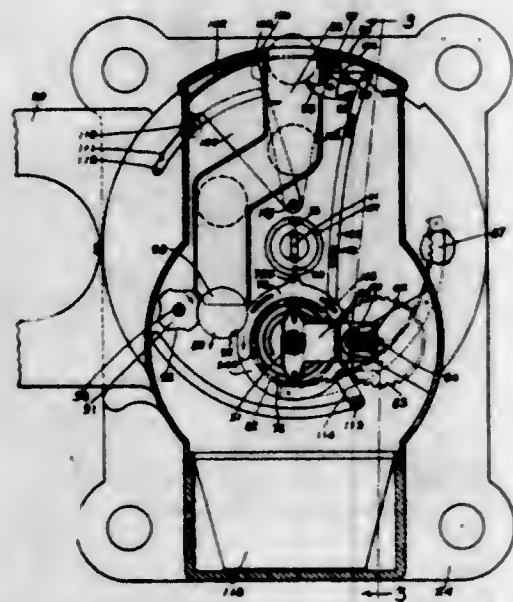
1. An overhead suspension for a centrifugal embracing a hollow suspension-hanger adapted to be secured to a supporting frame, and an interiorly disposed buffer-confining member secured to and projecting upwardly from the bottom of the hanger to overhang an inserted buffer, and a downwardly removable socket member adjustably secured to the said buffer-confining member to form a seat for the ball portion of a gyratory suspension element and by its adjustment to compress an inserted buffer between the suspension element and the buffer-confining member of the hanger.

1,734,747. MIXING APPARATUS. GEORGE ALLEN SEELEY, Irvington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 24, 1928. Serial No. 295,099. 8 Claims. (Cl. 259-97.)



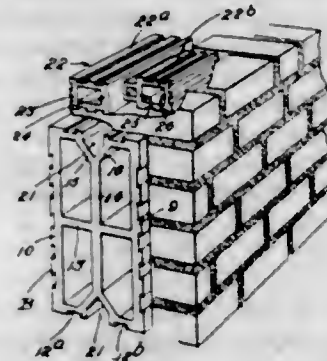
1. In an apparatus for introducing an alloy constituent into a bath of molten metal, a vertical casing submerged in the bath, means for causing an agitation and flow of the metal from the bath through the casing and into the bath again, and a cover for a relatively small area of the bath level provided with a depending flange surrounding the casing for preventing the flow of dross from the larger area of the bath level into the smaller area thereof.

1,734,748. MULTICOIN-CONTROL LOCKING MECHANISM. JOSEPH G. STEINKAMP, Cincinnati, Ohio. Filed Aug. 29, 1927. Serial No. 216,061. 14 Claims. (Cl. 194-64.)



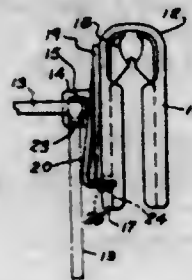
2. In combination, a lock barrel having a key slot therein, a key for opening the lock, means adapted to project into the key slot for precluding entry of the key actuating means for entering the projecting means into the key slot and means rendered manually operative through the agency of an inserted coin for removing the projected means from the key slot.

1,734,749. TILE BLOCK AND WALL CONSTRUCTION. HARRY L. STRAND, Boston, Mass. Filed Dec. 7, 1923. Serial No. 73,624. 3 Claims. (Cl. 72-41.)



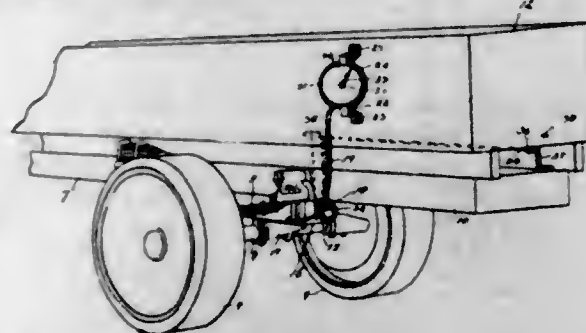
3. In a wall construction of the type having a brick facing composed of superimposed bonded face courses of brick and a header course of brick supported in part on said face courses, a hollow building block forming a backing for said face courses and in part supporting said header course, and a T-shaped filler block comprising a relatively long portion and a shorter portion joined in the same horizontal plane and having substantially the height of said header course, said header course extending at three sides of said shorter portion of the filler block.

1,734,750. SEPARABLE-FASTENER-LOCKING DEVICE. GIDEON SUNDBACK, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Feb. 11, 1925. Serial No. 8,341. 14 Claims. (Cl. 14-205.)



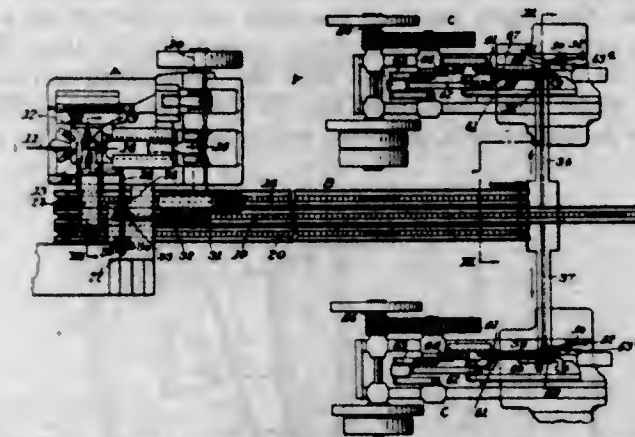
1. A separable fastener slider comprising wings forming diverging channels, a pull device pivoted to one of the wings intermediate the ends of the slider, and a locking means on the slider between said pull device and its adjacent wing.

1,734,751. WEIGHING DEVICE. HARRY M. SWARTLEY, Roxborough, Pa. Filed July 2, 1928. Serial No. 289,771. 5 Claims. (Cl. 265-42.)



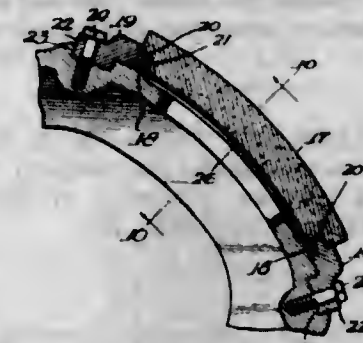
1. The combination of a vehicle including a body and axle, of a stop fixed to the axle, a bracket fixed to the body, a stub shaft journaled in said bracket, a lever fixed to said stub shaft and co-operating with the stop to cause rotation of said stub shaft due to movement of the vehicle body relative to this axle, an indicating mechanism including a shaft, a pointer on said shaft and dial from which said pointer moves due to rotation of the last mentioned shaft, and a flexible shaft having one end fixed to the stub shaft and the other end to the pointer shaft.

1,734,752. METHOD OF AND APPARATUS FOR MAKING BOLTS. HANSON THOMAS, Edgeworth, Pa. Filed Jan. 26, 1927. Serial No. 163,658. 4 Claims. (Cl. 50-8.)



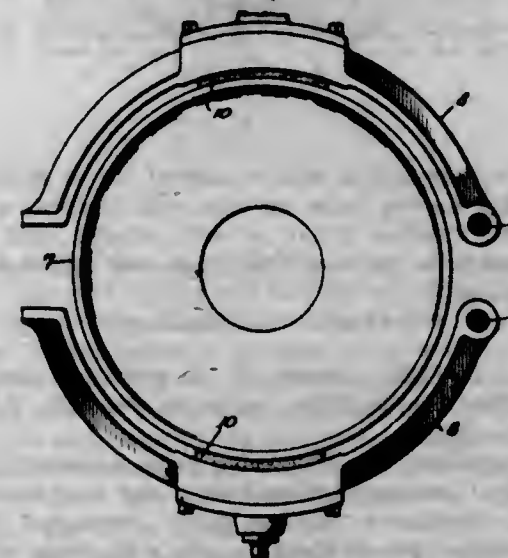
4. Bolt threading apparatus comprising a pair of threading dies, means for moving one of said dies, a cup open at its bottom and arranged to support bolt blanks with their lower ends protruding from the bottom of the cup, a chute for the blanks, means for reciprocating the cup, and stop and release members carried by the cup for releasing blanks from said chute, one by one, during reciprocatory movement of the cup, the cup being composed of two parts yieldably held closed, to permit withdrawal of the blanks therefrom when engaged by the dies.

1,734,753. FRICTION BRAKE. JAMES S. THOMPSON, New York, N. Y., assignor to American Brake Materials Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1926. Serial No. 92,048. 12 Claims. (Cl. 188-286.)



1. In a friction brake, a brake head comprising an arm, and lateral projections at the sides of the arm providing a skeleton seat to receive a friction shoe.

1,734,754. FRICTION BRAKE. JAMES S. THOMPSON, New York, N. Y., assignor to American Brake Materials Corporation, New York, N. Y., a Corporation of New York. Filed May 26, 1926. Serial No. 111,688. 20 Claims. (Cl. 188-75.)



3. In a friction brake, the combination of a member to be braked, a braking member comprising a head having

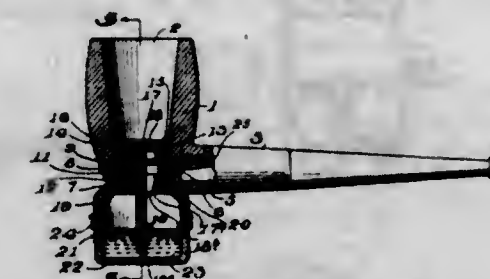
a friction shoe adapted to be inserted bodily in the socket in a direction normal to the length and the width of the socket, a lug fixed to said shoe, and means threadably engaging said lug for effecting adjustment of said shoe.

1,734,755. FLUSH CAR DOOR AND SUPPORTING MEANS THEREFOR. KENNETH J. TOBIN and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, a Corporation of Illinois. Filed June 14, 1926. Serial No. 115,757. 12 Claims. (Cl. 20-23.)



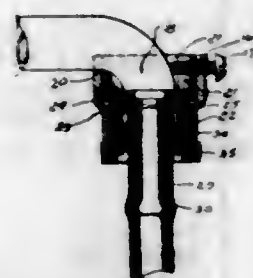
1. In a house car having a door opening, a straight track adjacent one margin of said opening, rolling supports upon said track, a door, flexible connections between said door and supports, and means engaging said connections for guiding the same during their flexing movements.

1,734,756. POCKET TURKISH PIPE. MAURICE ALLAND, Atlantic City, N. J. Filed Dec. 6, 1926. Serial No. 153,034. 2 Claims. (Cl. 131-12.)



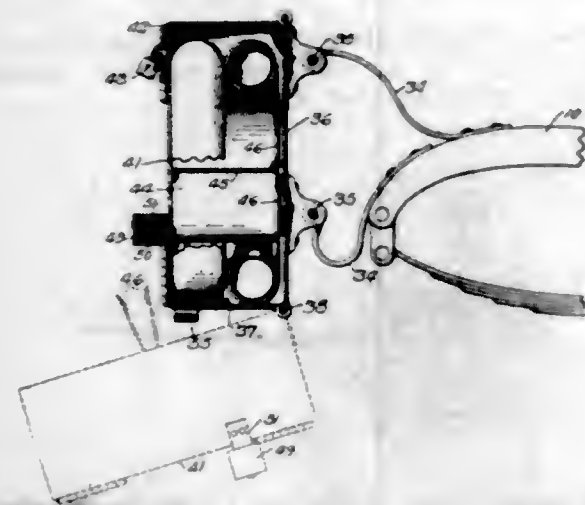
1. A smoker's pipe, comprising a bowl opening through its bottom wall by means of a bore defined by circumferential shoulders at its opposite ends, a bell-shaped member positioned against the lower shoulder and having a neck extending upwardly into said bore, a cylindrical member within said bore and provided with a transversely extending partition having an aperture, said member and said neck being normally secured together detachably, a second cylindrical member having an enlarged end portion positioned against the upper of said shoulders and having a reduced portion extending into said bore and normally detachably secured to said first cylindrical member, a tube extending through the aperture in said partition to a point below the lower extremity of said bell-shaped member, a transversely extending apertured disc within said bowl removably supported by said enlarged end portion, and a rod carried by said disc and extending loosely through and to a point slightly below the lower extremity of said tube.

1,734,757. SEPARABLE HOSE CONNECTER. Enoch J. Ashley, Waterbury, Conn., assignor to Steele & Johnson Mfg. Co., Waterbury, Conn., a Corporation. Filed Jan. 14, 1928. Serial No. 246,702. 2 Claims. (Cl. 285-124.)



2. As a new article of manufacture a separable hose connector comprising a faucet-fixture provided with means for attaching to it the terminal of a faucet and formed with an axial bore having an upwardly facing washer-retaining shoulder therein; screw threads formed upon the said faucet-fixture for inter-engagement with the threaded portion of a clamping-member; a packing-washer resting upon the upwardly facing shoulder in the said faucet-fixture in position to engage the terminal of a faucet; and a clamping-member carrying a hose-nipple and provided with screw-threads for engagement with the screw-threads upon the said faucet-fixture to force the said packing-washer against the end of a faucet; whereby the said packing-washer is retained in place in the said faucet-fixture in line with the faucet when the said clamping-member is unscrewed therefrom.

1,734,758. PROTECTOR FOR AUTOMOBILES. Edward A. Banschbach, Chicago, Ill. Original application filed Apr. 22, 1922. Serial No. 555,973. Renewed Mar. 16, 1927. Divided and this application filed Jan. 18, 1928. Serial No. 247,739. 18 Claims. (Cl. 292-55.)



1. The combination with a vehicle frame, of a carrying case resiliently supported by said frame in position to form a bumper for said vehicle frame.

1,734,759. VENTILATOR. Sidney U. Barr, Montclair, N. J. Filed Mar. 8, 1929. Serial No. 345,314. 1 Claim. (Cl. 98-99.)

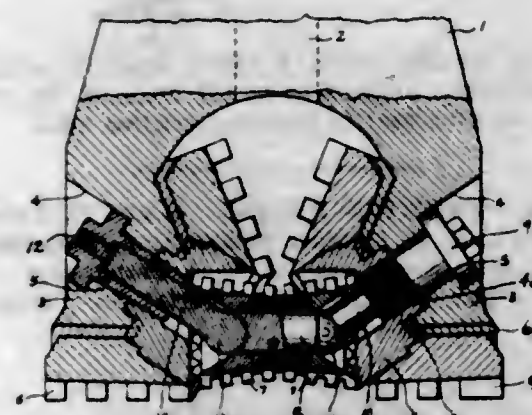
As a new article of manufacture, an air-deflecting, window ventilator including a rockable, air-deflecting plate; a frame therefor comprising channeled members in which the plate is loosely mounted and slidable into and out of the frame; and rigid end plates to each of which the plate-holding frame is pivoted adjacent the under end of an end plate; means for holding said frame in adjustable position,

the end plates being adapted for connection with the window frame sides; and a strip of compressible material along the under edge of the frame structure adapted to engage a window sill and be compressed thereagainst when in use; the upper edges of the rigid end plates being severally arced from its upper, outer corner portion, inwardly, from its pivoted connection with the plate holding frame as a center, the channeled members of the plate holding frame including side members which project above the upper



per edges of the end frames; the outer surfaces of the projecting channeled members being flat and the inward surfaces of the end frames being flat and the flat outer surfaces of the projecting channeled members each being in sliding contact with a flat inward surface of an end frame; the end of a channeled member projecting above the upper edge of an end frame having secured to it a downwardly extending leaf spring, the under free end of which is in engagement slidably with the outward surface of an end frame.

1,734,760. ROLLER BIT. Clinton H. M. Bull, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a Corporation of Texas. Filed Dec. 17, 1927. Serial No. 240,670. 8 Claims. (Cl. 255-71.)

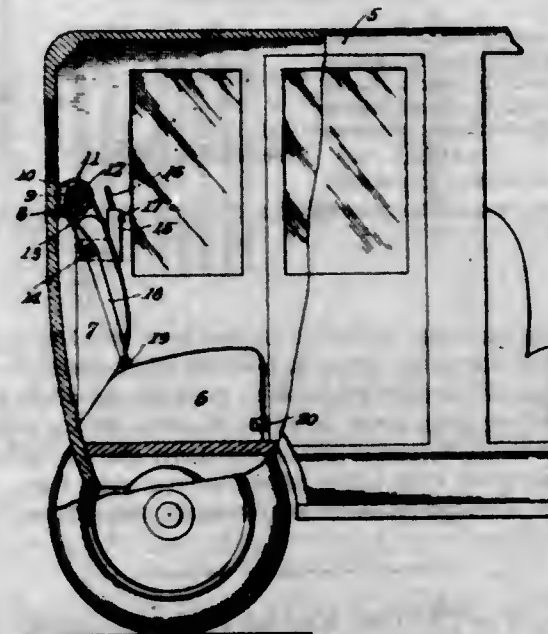


1. In a rotary boring drill, a pair of cutter spindle supporting pins having balls on the ends thereof, a cutter spindle, and a roller cutter on said spindle, said spindle having pockets in the ends thereof shaped to revolvably receive said balls.

1,734,761. COVER. Robert N. Buttsworth, New York, N. Y. Filed Jan. 9, 1928. Serial No. 245,550. 6 Claims. (Cl. 155-182.)

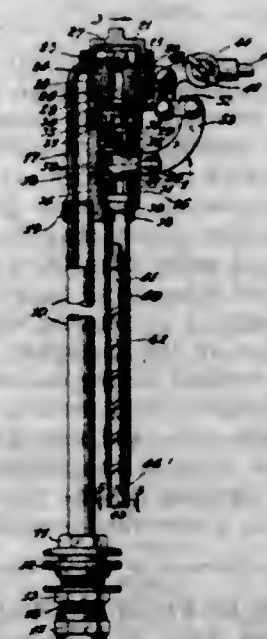
1. A mechanism for dispensing from a continuous roll an individual sanitary integral back and seat cover comprising a support, a roll of paper journaled in said support, ratchet wheels fixed on said roll, studs rotatably mounted on the side of the seat, dogs on said studs engage-

able with said ratchets, a pair of arms fixed on said studs, a guide bar connecting the free ends of said arms to hold



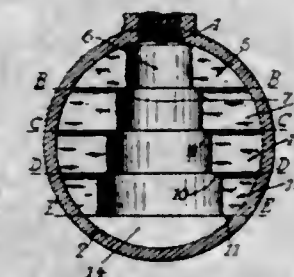
said cover tightly against the meeting point of the seat and its back, and a strap fixed to the front surface of the seat to retain said cover in position.

1,734,762. BALL COCK. Herbert D. Clemmons, Sturgis, Mich., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 9, 1928. Serial No. 276,223. 8 Claims. (Cl. 137-104.)



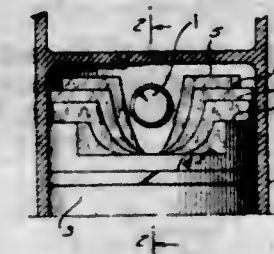
3. In a ball cock, a casing, a plunger operating in a portion of the said casing and having a longitudinal passage and a lateral port therein, a valve at the inlet end of the plunger, a plug having a passage and a lateral port therein with a valve seat at the discharge end of the said passage, the plug closing a chamber surrounding the said valve, a cap at the outer end of the said casing and closing an inlet chamber surrounding a portion of the said plug, communication between the inlet chamber and the chamber surrounding the valve being by way of the port and the passage in the plug and controlled by the said valve, and means for actuating the plunger to operate the said valve.

1,734,763. INTERNAL-COMBUSTION ENGINE. Emile Paul Dumanois, Boulogne-sur-Seine, France, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a Corporation of Delaware. Filed June 3, 1926. Serial No. 118,392, and in France May 17, 1926. 29 Claims. (Cl. 123-191.)



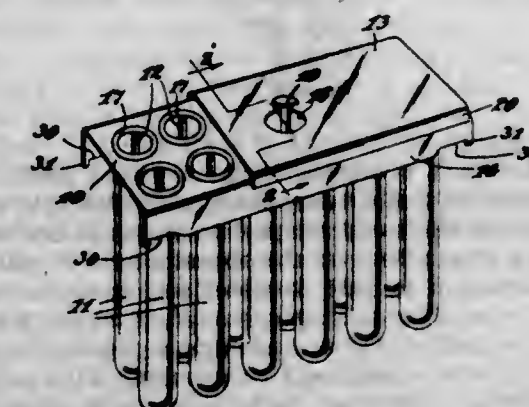
1. An internal combustion engine comprising opposing portions forming in the combustion chamber thereof a passage increasing in cross-section by abrupt steps from one point thereof to another, and ignition means disposed within said combustion chamber adjacent to the more constricted portion of said passage.

1,734,764. INTERNAL-COMBUSTION ENGINE. Emile Paul Dumanois, Boulogne-sur-Seine, France, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a Corporation of Delaware. Original application filed June 3, 1926. Serial No. 118,392, and in France May 17, 1926. Divided and this application filed July 2, 1928. Serial No. 289,849. 17 Claims. (Cl. 123-191.)



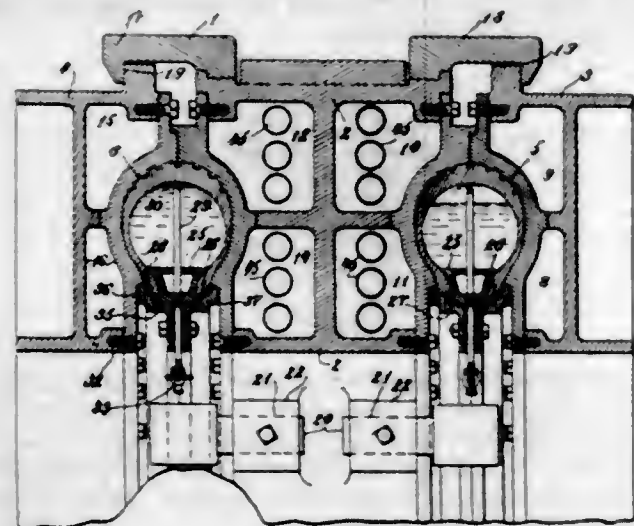
1. An internal combustion engine comprising opposing portions forming a combustion chamber therebetween increasing in cross-section in a certain direction; certain of said portions having a channel centrally thereof extending in the same direction, and facing the other of said portions, and ignition means disposed in said combustion chamber adjacent to the more constricted portion thereof.

1,734,765. CONFECTIONERY-MAKING APPARATUS. Frank W. Epperson, Oakland, Calif. Filed Aug. 12, 1924. Serial No. 731,564. 10 Claims. (Cl. 107-8.)



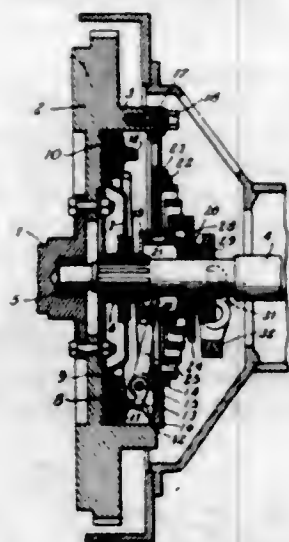
6. Apparatus for molding frozen confections including a mold rack, a plurality of molds hung therefrom, each adapted to sustain a buoyant handle member disposed within and extending above the edges of the molds, a plate resting on the handle members to retain the same against the bottoms of the molds, a handle on the tray, said plate having an opening therein accommodating said handle.

1,734,766. TIRE-VULCANIZING APPARATUS. EDWARD FETTER, Baltimore, Md. Filed May 23, 1927. Serial No. 193,409. 2 Claims. (Cl. 18—38.)



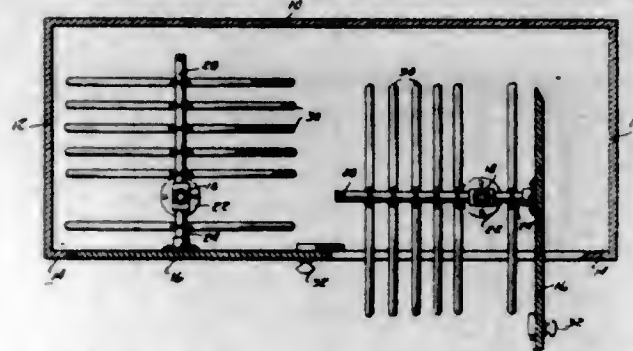
1. In an apparatus for vulcanizing tire casings, a jacketed mold to enclose the casing from without, a coil with means for supplying fluid thereto under pressure, the coil being inside the mold jacket, and connections from the heating coil for introducing fluid from the coil within the casing, whereby the casing is heated from within to vulcanizing temperature and is, at the same time, inflated against the mold.

1,734,767. CLUTCH. DAVID E. GAMBLE, Detroit, Mich., assignor to The Borg & Beck Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 3, 1924. Serial No. 747,460. 3 Claims. (Cl. 192—68.)



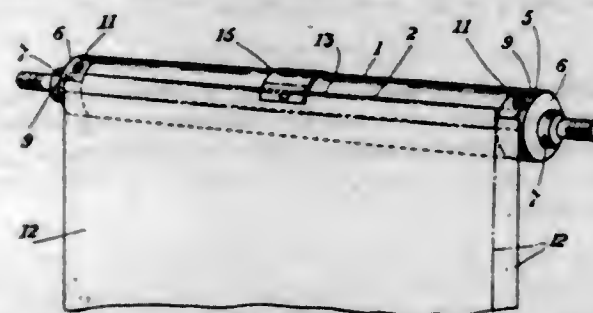
1. In a clutch, a driving shaft, a driven shaft, a fly-wheel carried by said driving shaft, a friction disk splined on said driven shaft and adapted to engage a face of said fly-wheel, a ring acting on the opposite side of said disk, a plate supported by said fly-wheel and having a central opening surrounding said driven shaft, a sleeve keyed to said plate and slidable in said opening, a plurality of levers mounted upon said plate and co-operating with said ring and said sleeve, said levers each having an involute tooth and the sleeve having correspondingly shaped recesses, a spring supported by said plate and acting on said sleeve to urge said levers into engagement with said ring to make said friction disk operative, a clutch release collar surrounding said shaft, and a bearing between said sleeve and said collar, said bearing being of anti-friction material adapted to wear and compensate for wear of the friction disks, said bearing being supported clear of the driven shaft.

1,734,768. WARDROBE. EDWARD B. GREEN, Jr., Buffalo, N. Y. Filed May 6, 1929. Serial No. 380,638. 3 Claims. (Cl. 312—174.)



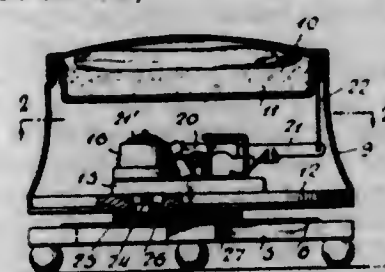
3. In an enclosure adapted for use as a wardrobe or the like, a door therefor, arms extending back from the central portion of the door adapted to support the door, means for supporting such arms to pivot about a line a substantial distance inside the plane of the door, and an extension for the upper of said arms which moves with such upper arm and is adapted to serve as a support for clothes or the like.

1,734,769. FASTENING MEANS FOR SECURING FABRIC TO A RIGID BASE. WILLIAM JAMES HADDEN, Glasgow, Scotland, assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Filed Sept. 24, 1927. Serial No. 221,675, and in Great Britain June 1, 1927. 4 Claims. (Cl. 156—25.)



2. Fastening means for securing fabric to a rigid base, comprising, a base member having an longitudinal recess therein; two end members fitting around and fixedly attached to the base member, one at each end thereof; said members having narrow slots which are in alignment with said longitudinal recess in the base member; a resilient fabric carrying member longer than the distance between said end member and wider than the narrow slots in said end members adapted to be placed endwise beneath one end member and to be sprung by bending behind the other end member and a piece of fabric slightly greater in width than said carrying member having one edge secured around and completely enclosing said resilient member and extending through said recess and through the narrow slots in the end members whereby the resilient fabric carrying member maintains the end of the piece of fabric which is secured thereto in a stretched condition.

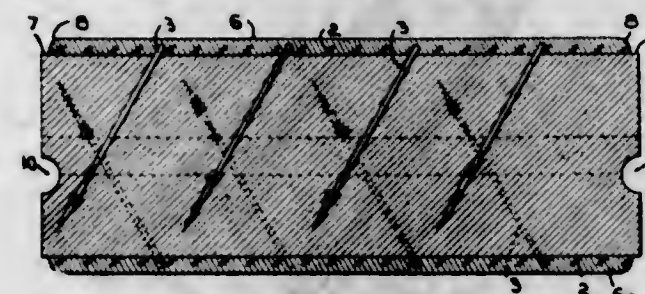
1,734,770. MECHANICAL MUSICAL INSTRUMENT. FRITZ KAYAN, New York, N. Y., assignor to William F. Sprague & Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 8, 1929. Serial No. 345,272. 5 Claims. (Cl. 84—95.)



1. In a receptacle of the class described, a base, a body rotatable thereon, a musical instrument supported by the

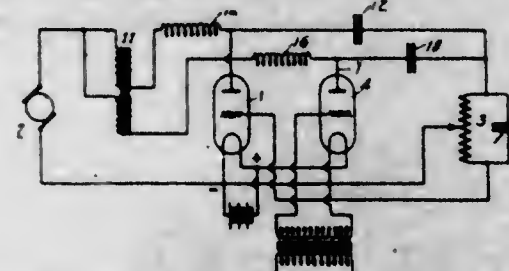
bottom of said body and including a prime mover having a shaft which extends through said body, a gear rotatable with said shaft, and a second gear fixedly secured to said base and engaging the first named gear.

1,734,771. REFRIGERATOR CONSTRUCTION. CHAUNCEY L. MITCHELL, Winchester, Mass., assignor to Refrigeration Corporation of America, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 4, 1928. Serial No. 267,266. 16 Claims. (Cl. 72—45.)



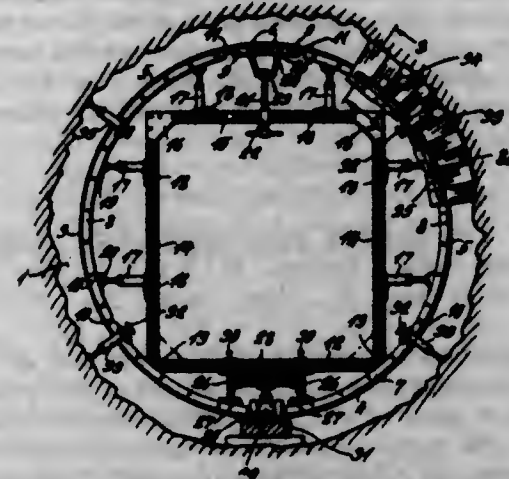
1. A rectangular heat insulated wall section unit comprising a thick core of cork board, a reticulated metal reinforce layer on each face of the core, metal anchors at each face interlocked with the reinforce and extending part way only through and embedded in the core out of contact with the anchors extending from the opposite face and a cement layer on each face of the core with the reinforce and anchors embedded therein.

1,734,772. ARRANGEMENT FOR WIRELESS TELEGRAPHY AND TELEPHONY. WILHELM MOSER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Dec. 7, 1923. Serial No. 679,053, and in Germany Jan. 17, 1923. 7 Claims. (Cl. 179—171.)



1. In combination, an oscillator tube connected to a resonant circuit, a modulator tube the output of which is connected across the resonant circuit as a parallel radio frequency path for direct modulation, and a source of relatively constant current for the parallel connected anode circuits of the tubes to obtain indirect modulation.

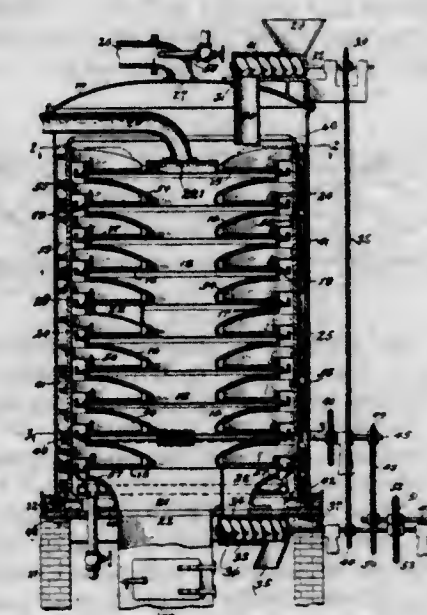
1,734,773. COLLAPSIBLE STEEL FORM. SCOTT E. MURRAY, Denver, Colo. Filed Mar. 5, 1928. Serial No. 259,848. 3 Claims. (Cl. 25—131.6.)



1. A collapsible core for concrete construction comprising a plurality of arcuate sections, each of which forms a

segment of a circle, said sections being adapted to be placed edge to edge so as to form a cylindrical section, two of said segments being narrower than the other segments, said narrow segments being placed adjacent to each other, each of said narrow segments being hinged to the adjacent wider segment, a rectangular frame located within each section in a plane perpendicular to the axis of the section, the lower corners of said frame being secured to the section, a screw operatively connected with the upper transverse member of the frame, and means operated by the rotation of the screw for moving the narrow segments about their hinges.

1,734,774. RETORT. IVOR B. NEWBERRY, Buffalo, N. Y., assignor, by direct and mesne assignments, to Lignite Products Corporation of America, Castile, N. Y., a Corporation of Delaware. Filed June 12, 1922. Serial No. 567,612. Renewed Oct. 22, 1925. 8 Claims. (Cl. 202—104.)

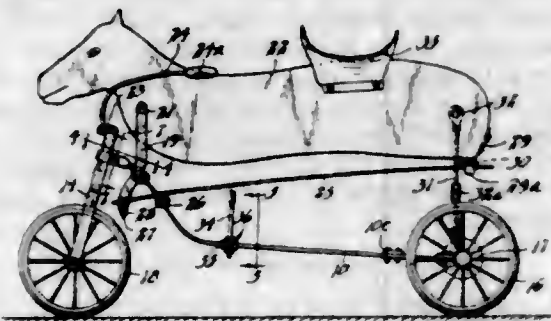


1. A retort for distilling oil from shale and the like comprising a stationary enclosing casing having a gas outlet, a hollow stationary heating chamber arranged within the enclosing casing and having a lower inlet for a heating medium and an upper outlet for the spent heating medium and constructed to form a succession of constrictions and enlargements which alternate and are arranged in a vertical row, the several constrictions communicating with each other internally and the upper outer side of each enlargement forming a horizontal shelf of heat conducting material adapted to support the material to be distilled and each enlargement being hollow and conducting heat to the shelf on the upper surface of the same for distilling the material thereon, each enlargement being provided with a vertical passage through which the material passes from one shelf to another, the interior of said constrictions and enlargements being unobstructed, an impermeable shell arranged between said heating chamber and said casing for preventing the gases evolved from the material in the heating chamber from contacting with the casing and condensing thereon, and movable means for shifting the material to be distilled successively from each shelf to the next lower shelf, whereby the gas in said material is liberated by the heating medium within said chamber and left free to escape through the outlet of said gas casing.

1,734,775. TOY VEHICLE. ARNE B. OSTBY, Minneapolis, Minn. Filed July 11, 1928. Serial No. 291,825. 6 Claims. (Cl. 208—42.)

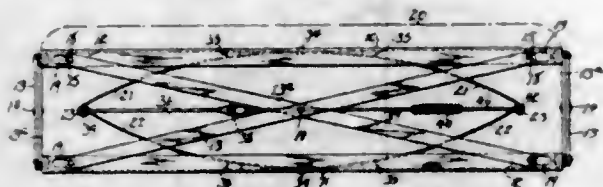
1. A toy device comprising a frame, a fork journaled in the front end of said frame, a front wheel journaled in said fork, a spring fixed at the front portion of said frame

and extending rearwardly therefrom, a body pivoted at its front end to the front end of said frame, the rear end of said body being slidably supported on said spring, a crank



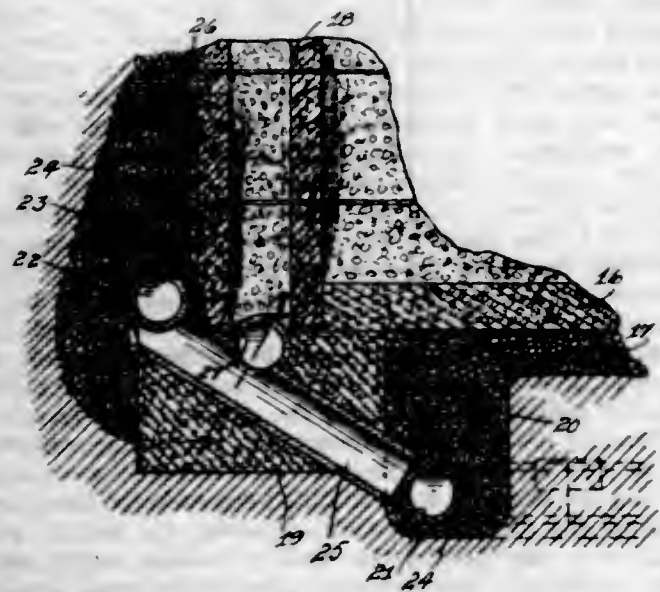
shaft journaled in the rear portion of said frame, wheels secured to the end of said shaft, and a pitman connected to said crank shaft and to the rear end of said body.

1,734,776. RESILIENT SEAT MOUNT. CHRISTIAN PALLENBERG, Clinton, Conn. Filed Jan. 14, 1928. Serial No. 246,664. 1 Claim. (Cl. 155-50.)



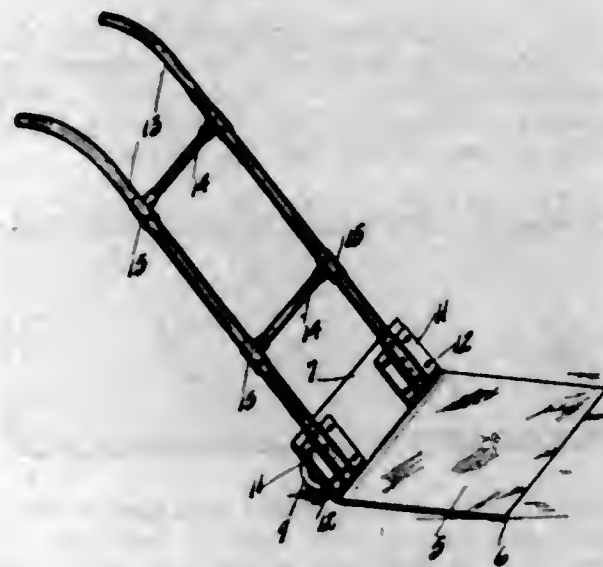
A resilient seat-mount, comprising a seat-frame; a support thereof; a pair of reversely-bowed spring-members respectively secured to the seat-frame and to the said seat-support and flexibly coupled together at their ends; a pair of spaced-apart resilient blocks interposed between one of the said bowed spring-members and the part to which it is secured; tensioning means engaging the said spring-member intermediate the two said spaced-apart resilient blocks to adjustably vary the curvature of the bowed spring and hence vary the height of the said seat-frame with respect to its support.

1,734,777. SYSTEM OF DRAINING. FRANK A. PIKE, Rochester, N. Y. Filed Jan. 17, 1928. Serial No. 247,395. 8 Claims. (Cl. 72-126.)



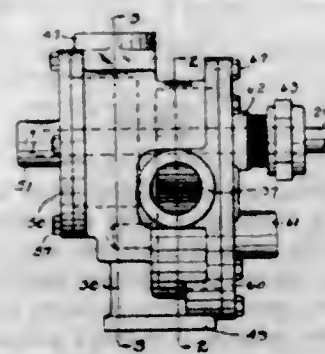
8. A system of draining, for the purpose specified, which includes a channel under a cellar floor adjacent and parallel to the footing of the foundation wall, a filtering material such as crushed stone as a filling for said channel a drain adjacent and parallel to the cellar wall at the floor level, a water connection between the drain and said channel, and an outlet from the channel, the bottom of the channel being below that of the footing.

1,734,778. PICK-UP TRUCK. ALEXIS R. FRIBIL, Saginaw, Mich. Filed Sept. 28, 1927. Serial No. 221,424. 1 Claim. (Cl. 280-53.)



In a pick up truck, the combination with a single flat sheet metal platform having an upwardly angled rear section, the under side of the front edge of which is ground to form a sharp edge, spaced apart clamps secured to the rear section, and tubular handles clamped therein, sheet metal saddles secured to the rear section directly below the clamps, and wheels journaled in said saddles.

1,734,779. PUMP. ALFRED RANDOLPH, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed Jan. 11, 1928. Serial No. 245,817. 14 Claims. (Cl. 103-126.)

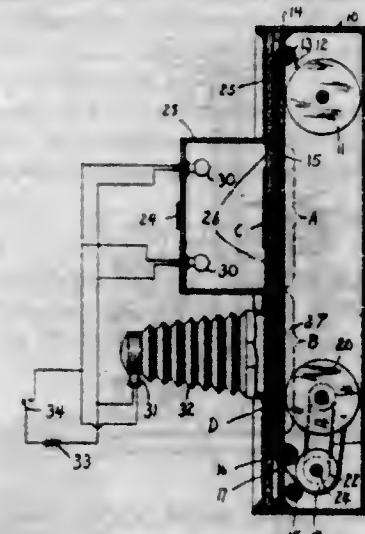


1. In a pump, the combination with a casing, of a plurality of pairs of rotary impellers, each pair comprising two meshing members mounted in their own chamber, the chamber of one pair communicating with the chamber of the succeeding pair by a passageway within the casing, and means for rigidly connecting the final gear of one pair with the first gear of the succeeding pair to compel them to rotate as a unit.

1,734,780. APPARATUS FOR PRODUCING MARGINED PHOTOGRAPHS. LUTHER G. SIMJIAN, New Haven, Conn. Filed July 21, 1928. Serial No. 294,361. 3 Claims. (Cl. 96-37.)

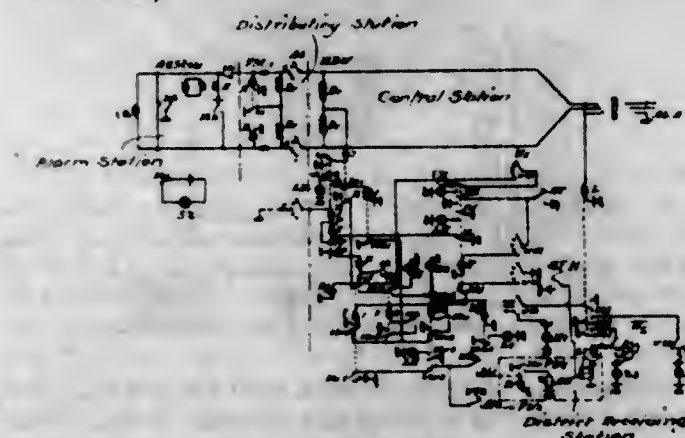
1. The combination with a camera-unit and an actinic light unit; of means for moving a section of photo-sensitive material past both of the said units successively for exposure to the action thereof; a light impervious mask section interposed between the said actinic light unit and the central image-receiving area of one section of photo-sensitive material so as to shield the same from being

affected thereby; and a second mask section shaped to shield the marginal area of the said photo-sensitive material surrounding the said image-receiving area from



the action of light when the said section of photo-sensitive material is moved into position in line with the said camera-unit.

1,734,781. ALARM-CIRCUIT SYSTEM. GYSBERTUS CORNELIS SNYDERS, CORNELIUS GORDYN, JR., JAN VAN DE KAMP, and CHARLES EDWARD ADRIANUS MAITLAND, Amsterdam, Netherlands. Filed Jan. 25, 1928, Serial No. 249,355, and in Germany July 3, 1926. 2 Claims. (Cl. 177-360.)

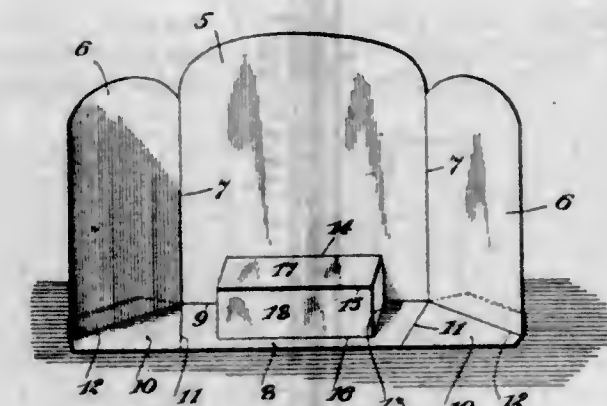


1. An alarm circuit system comprising alarm transmitting stations divided into districts, a central alarm receiving station, district alarm receiving stations, means at each alarm transmitting station for transmitting to the central station a code of impulses consisting of a plurality of parts characteristic of the particular alarm transmitting station and district in which said station is located, a part of said code impulses characterizing the district in which the alarm transmitting station is located, the other parts of said code impulses following in sequence the said first mentioned part of the code impulses and completing the characterization of the particular alarm transmitting station, means at the central station for transmitting the alarms received from the transmitting stations to the district stations, and means operated by the part of the code impulses characterizing the district in which the particular alarm transmitting station is located for sending a preliminary signal to a selected district station assigned to said alarm transmitting station.

1,734,782. ADVERTISING-DISPLAY DEVICE. CYRUS PALMER STAM, Floral Park, N. Y., assignor to Obery & Newell, 545 Pearl St. Corp., New York, N. Y., a Corporation of New York. Filed Feb. 1, 1929. Serial No. 336,712. 2 Claims. (Cl. 211-157.)

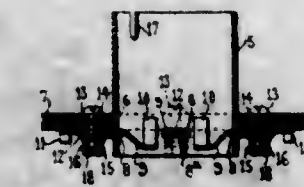
1. An advertising display device comprising a single unit structure having a central display panel and side display panels hingedly connected with the central panel at its opposite edges, and a base section associated with each of the display panels and having an inseparable hinge connection with the lower edge of the central panel and said base sections being hingedly connected with each other whereby upon movement of the side display panels from a superimposed position upon the base panel to a set

up position in angular relation thereto, said base sections are automatically moved into a common horizontal plane, and additional relatively foldable parts integrally connected with the central panel and the central base section and automatically assuming a position in right angular relation to each other to form an article supporting shelf when the device is arranged in set up position.



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1,734,783. VACUUM-TUBE SOCKET. WILLIAM C. STEVENS and GEORGE J. MEYER, Milwaukee, Wis., assignors, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis., a Corporation of Delaware. Filed Dec. 8, 1924. Serial No. 754,489. 4 Claims. (Cl. 173-328.)

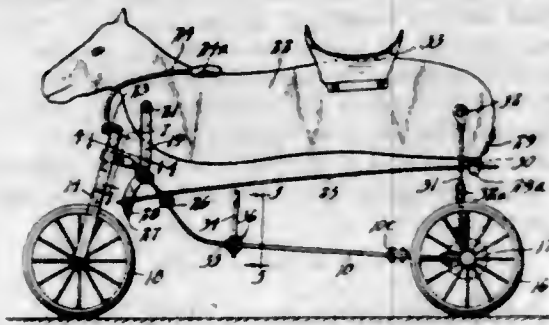


1. In a vacuum tube socket for panel board mounting, the combination with a cylindrical shell to extend through the panel board and means to secure said shell to the panel board, said means including elements secured to the rear face of the panel board and detachably engaging said shell, said elements having integral contact clips extending into said shell.

1,734,784. PENCIL. FRANK J. VIERLING and FRED R. BARTHOLOMEW, Minneapolis, Minn., assignors, by mesne assignments, to Autopoint Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1929. Serial No. 387,230. 5 Claims. (Cl. 120-18.)

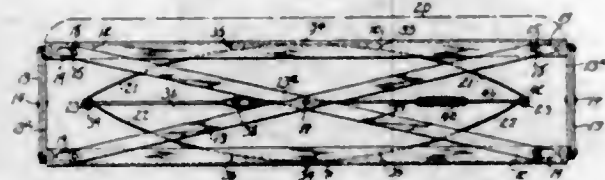
5. A pencil comprising a casing, lead feeding means in said casing movable longitudinally thereof and held from rotation by said casing, a tubular member fitting over the end of said casing relatively longitudinally slidably movable in respect to said casing, and frictionally held in position thereon, a lead holding tube with threads formed in the wall thereof carried by said tubular member and re-

and extending rearwardly therefrom, a body pivoted at its front end to the front end of said frame, the rear end of said body being slidably supported on said spring, a crank



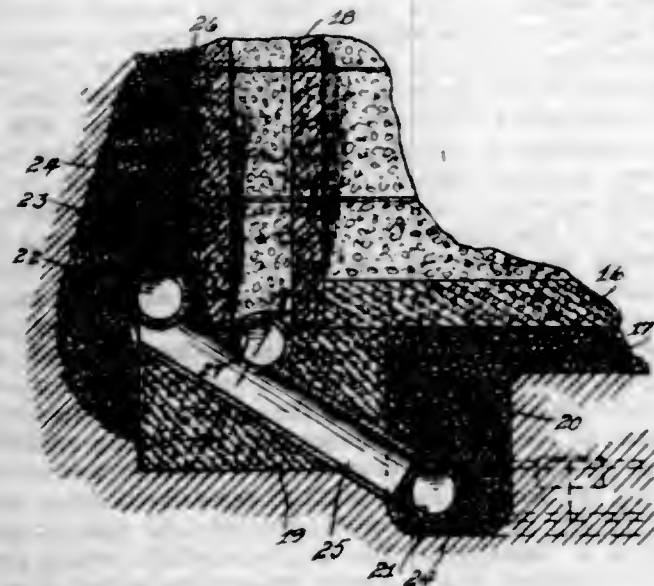
shaft journaled in the rear portion of said frame, wheels secured to the end of said shaft, and a pitman connected to said crank shaft and to the rear end of said body.

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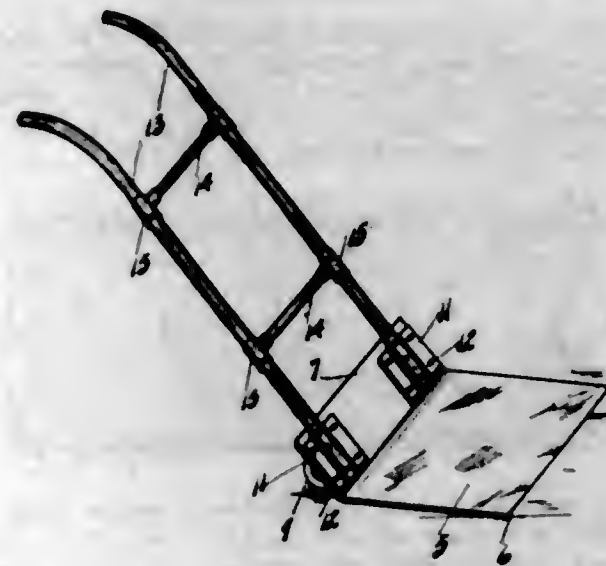
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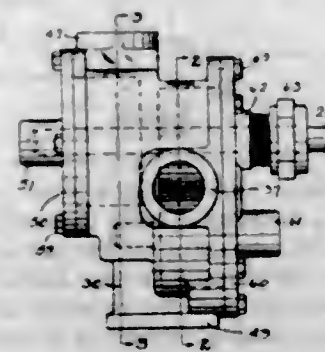
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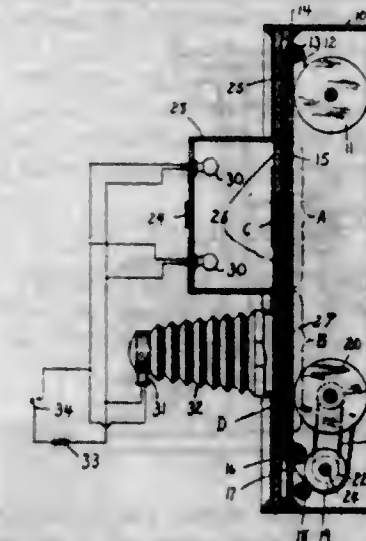


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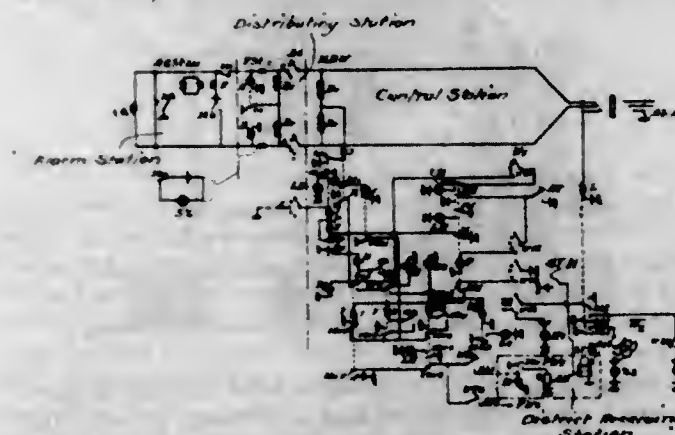
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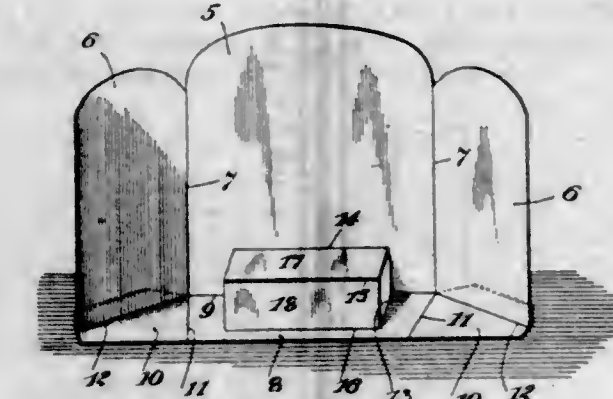


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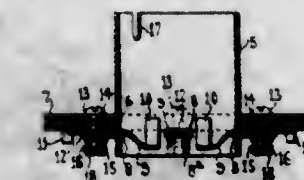
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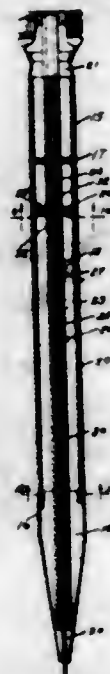


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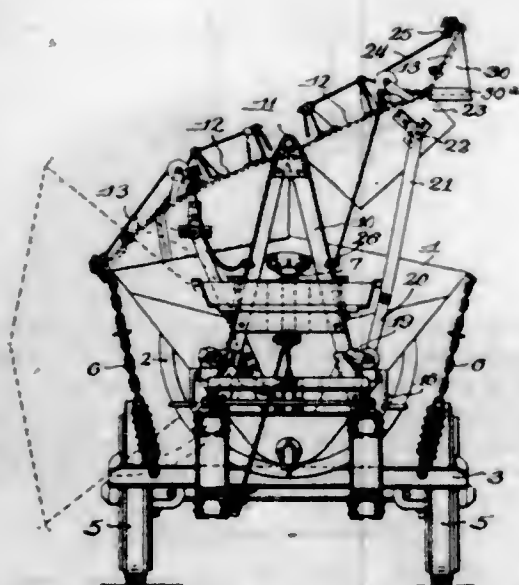
5. A pencil comprising a casing, lead feeding means in said casing movable longitudinally thereof and held from rotation by said casing, a tubular member fitting over the end of said casing relatively longitudinally slidably movable in respect to said casing, and frictionally held in position thereon, a lead holding tube with threads formed in the wall thereof carried by said tubular member and re-

movable with it from said casing, and means carried by said tube and adapted to be turned for effecting rotation



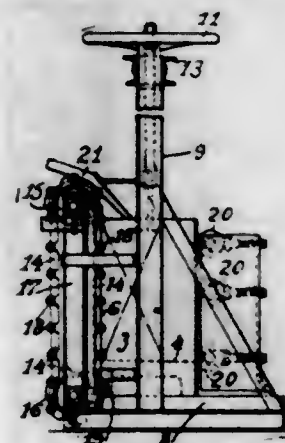
of said lead holding tube relatively to said lead feeding means to cause movement of said lead feeding means longitudinally of said first mentioned casing.

1,734,785. COVERED DUMPING BODY. LEROY E. WILLIAMS, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Aug. 26, 1926. Serial No. 131,617. 10 Claims. (Cl. 296—101.)



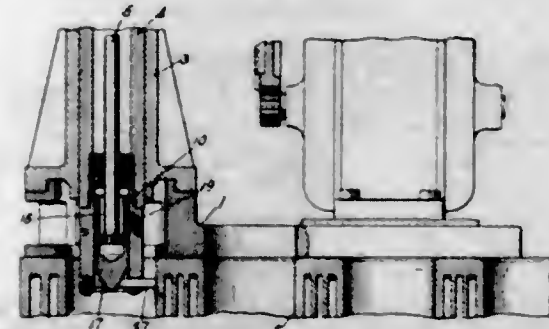
1. In combination with a hopper body, a hinged mounted cover therefor comprising an upper section and a lower section hingedly connected together along an axis parallel to that of the hinged mounting, together with means for swinging the lower section upwardly about its connecting hinge when the upper section is swung upward on the hinged mounting.

1,734,786. APPARATUS FOR CASTING METALS. JULIUS ZÜBLIN, Singen on the Hobentwiel, Baden, Germany. Filed Oct. 10, 1927, Serial No. 225,157, and in Switzerland Oct. 13, 1926. 8 Claims. (Cl. 22—136.)



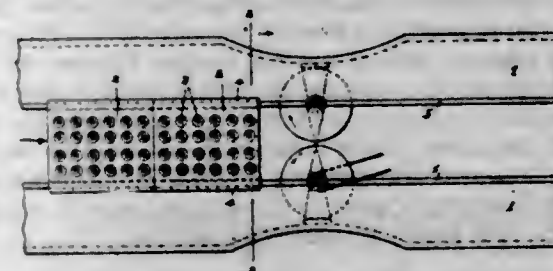
1. Apparatus for casting metal, which comprises a chill having an opening in one side thereof, a closure member for said opening formed of interconnected narrow strips, and means for feeding molten metal to said chill through said opening.

1,734,787. CENTERING DEVICE FOR BORING AND GRINDING MACHINES. JOSEPH APPLETON, Port Washington, Wis., assignor to Simplicity Engine & Manufacturing Company, Port Washington, Wis., a Corporation of Wisconsin. Filed Nov. 19, 1923. Serial No. 675,637. 8 Claims. (Cl. 29—26.)



1. A centering tool comprising a head for attachment to a machine for boring or grinding a cylinder, means carried by said head to engage the cylinder on the inside thereof, a plunger arranged in said head to operate said means, a gear arranged in said head to operate said plunger, and means engaging said gear for operating the same from the outside of said head.

1,734,788. APPARATUS FOR STEMMING FRUITS. LELAND A. BARCOCK, Oak Park, Ill., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Filed July 30, 1926. Serial No. 125,962. 2 Claims. (Cl. 146—55.)

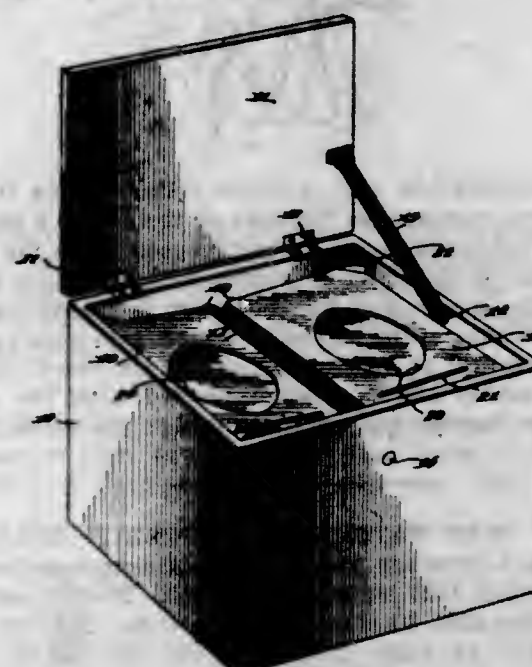


1. An apparatus for stemming fruits comprising a series of members having recesses for the reception of fruits, and openings continuing through said members from said recesses to permit the stems to protrude therethrough, a fixed slideway over which said members may be moved successively, rotary cutting knives located under said slideway and adapted to sever the stems protruding below the said members.

1,734,789. MANUFACTURE OF NEW DYESTUFFS. JAMES BADDILEY, PERCY DOOTSON, ARNOLD SHEPHERDSON, and SIDNEY THORNLEY, Blackley, Manchester, England, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Filed Feb. 2, 1928, Serial No. 251,456, and in Great Britain Feb. 8, 1927. 4 Claims. (Cl. 260—42.)

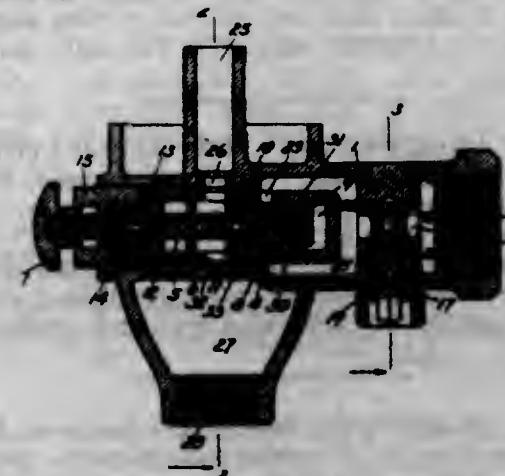
1. A process for the manufacture of new dyes which comprises condensing an amino derivative of flavanthrone with halogenated polynuclear aromatic compounds having three or more nuclei.

1,734,790. PHOTOGRAPH EXHIBITOR. HELMUTH F. BANDT, Chicago, Ill. Filed Jan. 30, 1929. Serial No. 336,318. 6 Claims. (Cl. 40—72.)



1. In a device of the class described, a cabinet, a shaft journaled crossways of the cabinet at the center of the same, a plurality of photograph holders, means for hinging said holders to and about said shaft, whereby the said holders will be normally grouped within the cabinet below and to either side of said shaft and in a manner that they may be swung on their hinge connections about the upper side of said shaft from one side of the same to the other to successively expose the photographs carried by said holders to view at the upper side of said cabinet, and means at the outer side of said holders for weighting the same toward the lower side of said shaft.

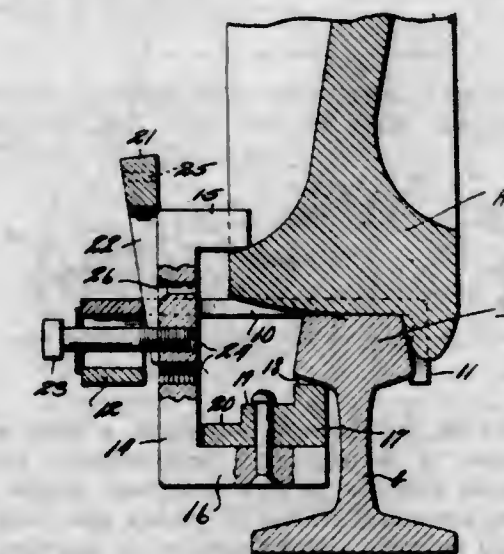
1,734,791. PUSH VALVE. FRANK A. BICKNELL, Florence, Mass., assignor to Puro Sanitary Drinking Fountain Company, a Copartnership composed of Christian J. Hills and Ruben B. Hills, Haydenville, Mass. Filed July 25, 1928. Serial No. 295,206. 10 Claims. (Cl. 251—135.)



1. A push valve comprising a casing having therein outer and inner chambers communicating through a port,

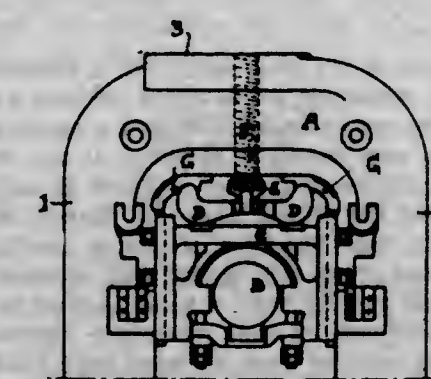
said outer chamber having an inlet and said inner chamber a discharge opening, a valve seat in said inner chamber between said port and said opening, a stem having a closing flange on one side and a valve on the other side of said seat, said stem extending through and of less diameter than the seat opening, and being adapted to be operated from outside of said casing, and a valve sleeve slidably mounted on said valve in operative position relative to said port.

1,734,792. CLAMP FOR RAILWAY-CAR WHEELS. THOMAS C. BRASSEL, Corbin, Ky. Filed July 26, 1927. Serial No. 208,633. 5 Claims. (Cl. 188—45.)



1. A wheel clamp of the character described comprising an arcuate rail-engaging member having downwardly turned ends, the member being adapted to be disposed over the head of the rail with its ends bearing against the inside face of said head, a vertically extending rail-engaging clamp disposed inward of the bight portion of the rail-engaging member and having an upper jaw adapted to engage over a wheel rim and a lower jaw adapted to engage beneath the head of a rail, said member having a plurality of screw-threaded openings arranged in vertical series, a yoke attached to the bight portion of the rail-engaging member, a bolt passing loosely through said yoke and engaging the screw-threads of one of said apertures, and a wedge engageable between the outer face of the wheel clamp and the inner edge face of the bight portion of the rail-engaging member and movable downward to force the wheel clamp into engagement with the wheel and rail.

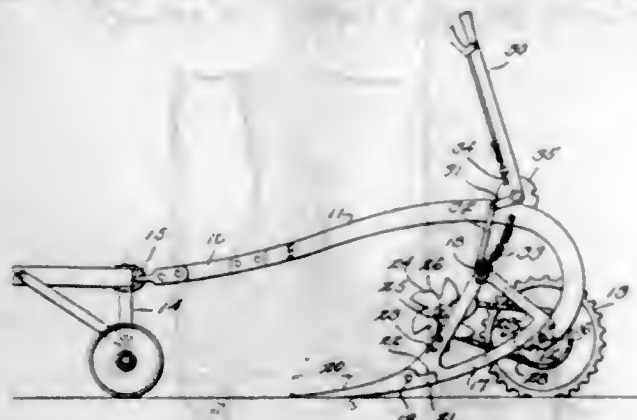
1,734,793. BEARING-ADJUSTING MEANS FOR ROLLER MILLS. ALFRED BRÜNINGHAUS, Dortmund, Germany. Filed Dec. 20, 1927, Serial No. 241,409, and in Germany Oct. 23, 1926. 4 Claims. (Cl. 80—56.)



1. Means for relieving the pressure-spindles of rolling-mills of end pressure and reducing the end-play of such spindles, comprising a standard including a pair of end members and a transverse member connecting said end

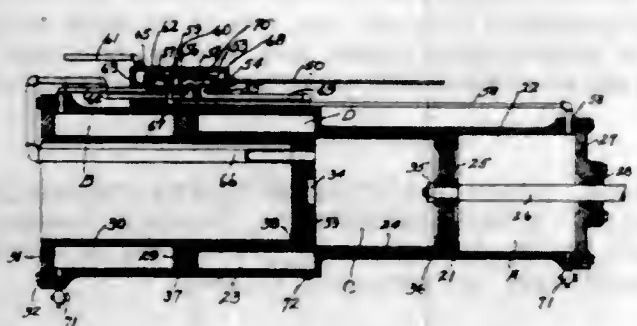
members, a bar sliding between said end members, a bearing for the rolling journal supported by said bar, a single spindle working in the transverse member of the standard for adjusting the sliding bar, and power multiplying means between the spindle, the transverse member of the standard and the sliding bar.

1,734,794. VINE CUTTER. ARCHER A. BULL, North East, Pa., assignor of one-half to Orma J. Bennett, North East, Pa. Filed Mar. 14, 1928. Serial No. 261,614. 1 Claim. (Cl. 55-64.)



In a machine of the character described, a main wheel supported frame, a driving axle, supplemental frames mounted on said axle for pivotal movement, means connecting the supplemental frames to steady and hold the latter in spaced relation, a shaft mounted in bearings carried by the supplemental frames, rotary cutters mounted on said shaft, stationary cutters mounted on the supplemental frames adjacent to and cooperating with the rotary cutters, means connecting the cutter carrying shaft and the driving axle to drive said shaft and operate the cutters, and independently movable gathering fingers pivotally secured to and extending from the forward ends of the supplemental frames to gather and guide material to the cutters.

1,734,795. VALVE-GEAR CONTROL. HOWARD J. CLAXTON, Chicago, Ill. Filed June 25, 1927. Serial No. 261,510. 2 Claims. (Cl. 121-40.)



1. In a device of the class described, a substantially tubular member including an enlarged portion at one end thereof whereby an enlarged bore and a smaller bore are defined therein and having a shoulder at the juncture of said bores, a cylindrical member mounted in said enlarged bore and having the closed inner end thereof disposed in alignment with said shoulder, a piston having a skirt portion disposed over said cylindrical member and extended into said smaller bore, a head adapted to close the outer end of said smaller bore whereby a chamber will be defined in said smaller bore between said head and the inner end of said piston, said piston providing a second chamber interiorly thereof in front of the closed end of said cylindrical member, said cylindrical member having a foot portion closing the outer end of said enlarged bore, said piston skirt having a foot portion adapted to define a chamber between said shoulder and said foot portion and

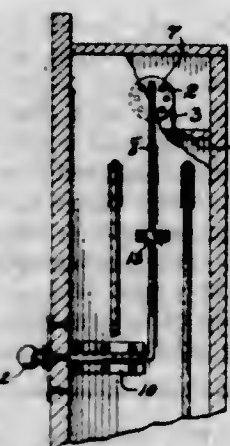
adapted to define another chamber between the foot portion of said cylindrical member and said foot portion on said skirt, means for interconnecting the second named chamber and the third named chamber, means for interconnecting the first named chamber and the fourth named chamber, and valve means disposed in said connecting means adapted to be arranged such that communication between said chambers through said connecting means may be controlled.

1,734,796. HORSE COLLAR. JOHN M. CONNORS, Forest Station, Me. Filed Mar. 30, 1929. Serial No. 351,228. 3 Claims. (Cl. 54-19.)



1. In combination with a horse collar having its top open, keeper members on the ends of the collar, a housing formed of flexible material, a pad arranged under the housing and having its center connected with the center of the pad whereby the ends of the collar can be placed between the side portions of the pad and housing, said housing having a plurality of openings therein for receiving the keeper members and a strap connected with the upper part of the housing and passing through the keeper members.

1,734,797. BAR RATCHET FOR SCREEN ROLLERS. WILLIAM J. DUFFICK, Denver, Colo. Original application filed July 28, 1927. Serial No. 209,340. Divided and this application filed Mar. 12, 1928. Serial No. 261,112. Renewed Apr. 24, 1929. 2 Claims. (Cl. 156-35.)



1. Means for holding a spring roller against turning movement comprising a rod having one end shaped to engage any one of a number of holes in one end of the roller, the other end of the rod being bent at right-angles to form a shaft, a knob on the end of this shaft part and means for rotatably supporting the shaft part.

1,734,798. COMPOSITION FOR APPLICATION TO TRACTIVE SURFACES. HARLEY B. DUTTON, Franklin Township, Somerset County, N. J. Filed Mar. 4, 1927. Serial No. 172,923. 5 Claims. (Cl. 184-8.)

4. A composition of matter for the purposes described comprising old engine oil, old vulcanized rubber, and solid asphaltic material, in approximately equal amounts.

1,734,799. HARMONICA HOLDER. LEIGH A. ELKINGTON, New York, N. Y. Filed Feb. 3, 1928. Serial No. 251,608. 3 Claims. (Cl. 84-379.)

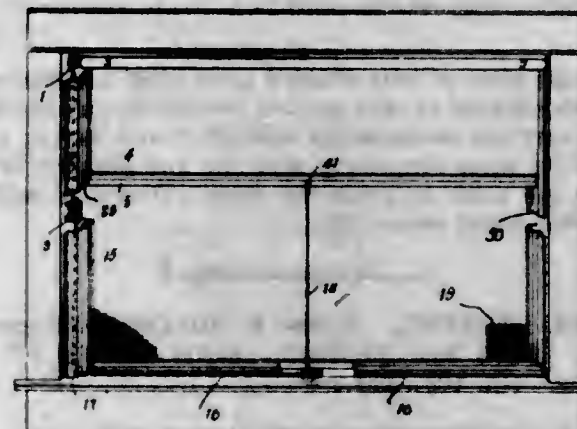
1. A harmonica holder, comprising a wire structure formed into a front and rear frame, said rear frame being

adapted to fit around the neck of an operator, said rear frame at one end being formed with eye members, said front frame at one end being formed with threaded journal members extending through said eye members, a clamping nut threaded onto each of said threaded journal members



for causing said eye members to frictionally engage said front frame for holding it in any adjusted position without interfering with the swinging movement of the front frame, and means carried by said front frame for clamping a harmonica thereto.

1,734,800. DEVICE FOR PORCH CURTAINS. NORVAL MERRITT FAULDS, Clearwater, Fla. Filed Apr. 25, 1927. Serial No. 186,295. 1 Claim. (Cl. 156-10.)



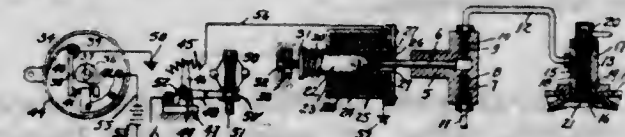
In a mounting for porch curtains, a curtain roller, a curtain wound thereon, a conical pulley for rotating the roller, a flexible element on the said pulley, grooved pulleys between which the flexible element is held, shafts on which the pulleys are mounted, intermeshing gear wheels on the said shafts, means for rotating one of said shafts, guides for the said flexible element, and means for connecting the flexible element to the free end of the curtain, whereby the flexible element draws the curtain from the roller when the flexible element moving mechanism is turning in one direction.

1,734,801. AEROPLANE WING. HEINRICH FRIEDRICH, Bochum, Germany. Filed Aug. 5, 1927. Serial No. 210,949, and in Germany Aug. 6, 1926. 9 Claims. (Cl. 244-12.)



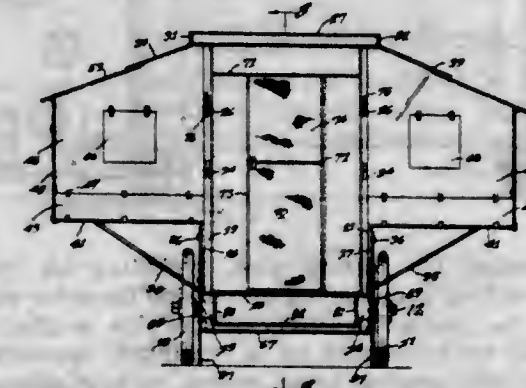
1. An aeroplane-wing comprising a slotted frame, a bottom-layer attached to said frame to form a distribution-chamber, a top-layer composed of louvre blades arranged on said frame, and means for introducing from the frontal edge of the wing air into said distribution-chamber.

1,734,802. FUEL-INJECTION SYSTEM. LOUIS O. FRENCH, Milwaukee, Wis. Filed Apr. 17, 1926. Serial No. 102,811. 7 Claims. (Cl. 123-140.)



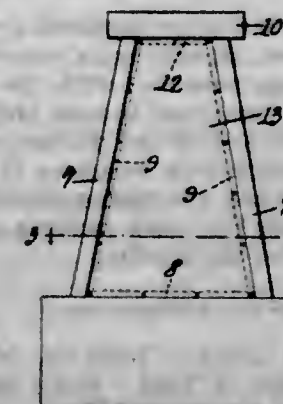
1. In a fuel feeding system, the combination with a fuel pump having a fuel-expressing member, of an electromagnet for controlling and operating said member, and control means for said electromagnet including a variable resistance for varying the stroke of the pump to vary the fuel charges delivered to the engine.

1,734,803. PORTABLE SHELTER. FRANK R. GABLE, Wheaton, Ill. Filed Aug. 27, 1927. Serial No. 215,993. 1 Claim. (Cl. 296-23.)



A device of the character stated including a platform, a wheel structure for supporting said platform, upright posts on said platform including foldable sections, a roof member carried by the upwardly disposed ends of said posts, upstanding side members around said platform and said posts, structures providing compartments including a lower wall having rails extending upwardly around the edges thereof on three sides thereof, the side of said lower wall not having a rail provided thereon being disposed over the upper edges of the upstanding members around said platform on the sides thereof, brace structures for supporting said lower wall, a wall hingedly attached to the rail on said lower wall opposite said side not having a rail thereon, end walls hingedly secured to the other of said rails, said end walls having the upper edges thereof tapered outwardly from the sides thereof disposed toward said posts, an upper wall having cleats thereon providing grooves into which the upper edges of said end walls and said other wall may be extended to hold said end walls and said other wall in an upright position, and side members hingedly said upper wall and the remaining portions between said end members to provide a roof for said compartment structures.

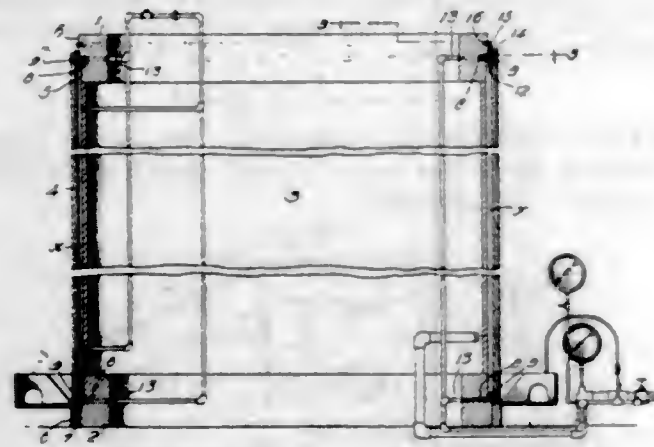
1,734,804. ADVERTISING STAND. FONZA E. HATCHER, Richmond, Va. Filed Apr. 30, 1928. Serial No. 273,973. 1 Claim. (Cl. 40-125.)



An advertising stand including a base and head of different sizes, inclined corner posts, the base and head having different sizes, inclined corner posts, the base and head having different sizes.

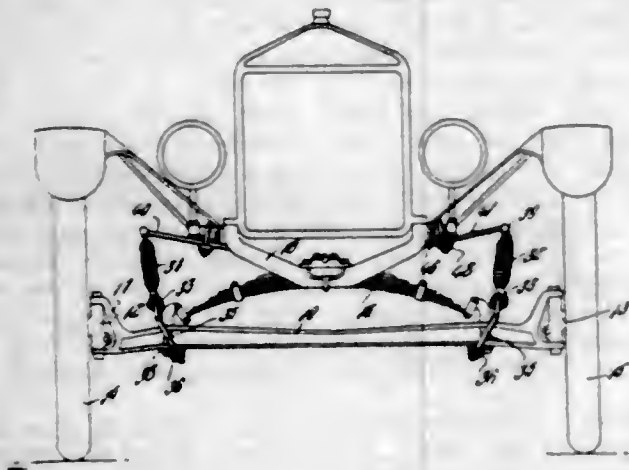
sockets at an angle to their surfaces corresponding to the inclination of the posts and receiving the inclined posts, and means between the head and base to secure the posts against lateral movement.

1,734,805. APPARATUS FOR TESTING PIPE. PRIMM R. HAWTHORNE, Sharon, Pa., assignor to The Petroleum Iron Works Company, Sharon, Pa., a Corporation of Ohio. Filed Nov. 1, 1928. Serial No. 316,551. 8 Claims. (Cl. 73—51.)



1. Apparatus for testing pipe, including an interior pressure-resisting body having an outside diameter slightly less than the inside diameter of the pipe section being tested, said body adapted to be arranged concentrically within the pipe section being tested, sealing means carried by the body and adapted to be projected into contact with the pipe section to seal the space between the body and pipe section, and means for admitting testing fluid to such space.

1,734,806. SNUBBER FOR AUTOMOBILES. RUFUS L. HAYNES, Smackover, Ark., assignor to one-half to James O. Modisette, Jennings, La. Filed Nov. 9, 1925. Serial No. 67,586. 3 Claims. (Cl. 287—28.)

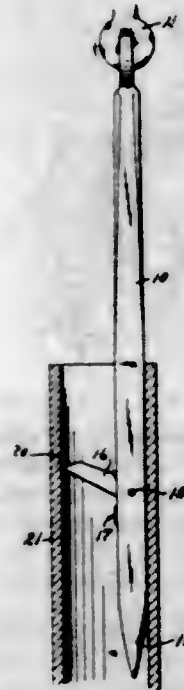


1. In a device of the character described, a vehicle frame, mounting means thereon, an axle, arms extending laterally from the frame, springs connected with the arms, spring perches mounted on the axle, and U-bolts projecting on opposite sides of the axle and of the perches, and deflected inwardly and downwardly with reference to the perches, means securing the perches, and means securing the U-bolt to the axle and engaging the perch securing means to prevent lateral movement of the U-bolts.

1,734,807. FISHING TOOL. JOHN H. HERMAN, New Castle, Pa. Filed Oct. 2, 1925. Serial No. 60,075. 1 Claim. (Cl. 294—97.)

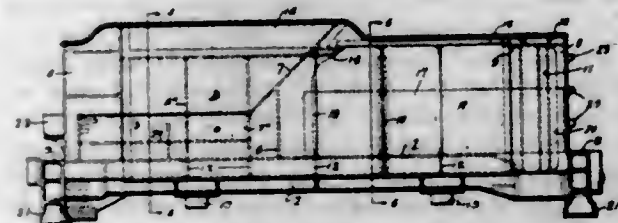
A fishing tool comprising a narrow elongated shank having an eyelet at the upper end thereof for attachment to a

cable and having its lower end tapered to a point, a slot extending thru said shank adjacent its bottom end, the upper edge of the slot being beveled, a dog pivotally mounted in the slot on a transverse pin, the upper edge of the dog being beveled whereby said dog may be withdrawn to lie substantially in the plane of the shank, a spring formed



of a single piece of wire doubled upon itself and having its free ends adapted to bear against the shank, and having its medial portions surrounding said pivot and having a portion of the same straddling said dog and adapted to bear against the same to press the same outwardly, said dog and spring being removable.

1,734,808. TENDER. ELMER E. HICKEN, Collingswood, N. J. Filed Jan. 30, 1929. Serial No. 836,167. 11 Claims. (Cl. 105—231.)

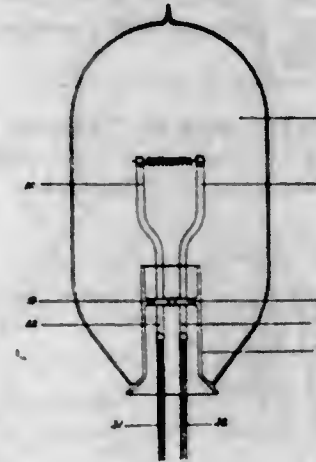


1. The combination in a locomotive tender, of a cast metal skeleton frame consisting of a base and ends cast as an integral structure; and separate side plates secured to said structure.

1,734,809. LEADING-IN CONDUCTOR. GILLES HOLST, JAN BERGMANS, and CORNELIS BOL, Eindhoven, the Netherlands, assignors to Naamloose Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, The Netherlands. Filed May 14, 1928. Serial No. 638,931, and in the Netherlands May 27, 1922. 7 Claims. (Cl. 176—126.)

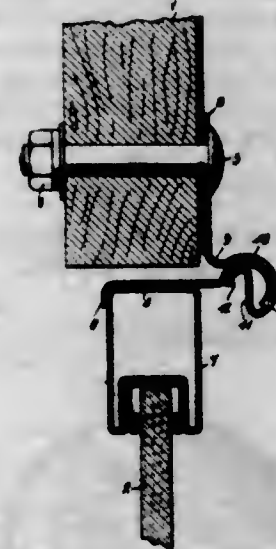
2. The combination of a vessel having at least a portion of its wall consisting of vitreous material, a plurality of discs consisting of a metallic material which on fusing-in does not generate gases and the coefficient of expansion of which is little different from that of said vitreous ma-

terial, said discs being hermetically connected together along at least a portion of their circumferences by means of a layer of vitreous material, thereby forming together



a disc of larger dimensions, said disc of larger dimensions being fused into said vitreous wall of said vessel and conductors fixed to said discs.

1,734,810. AUTOMOBILE WINDSHIELD HINGE. CLARENCE E. JEFFERS, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a Corporation of Delaware. Filed July 3, 1928. Serial No. 290,074. 5 Claims. (Cl. 296—92.)

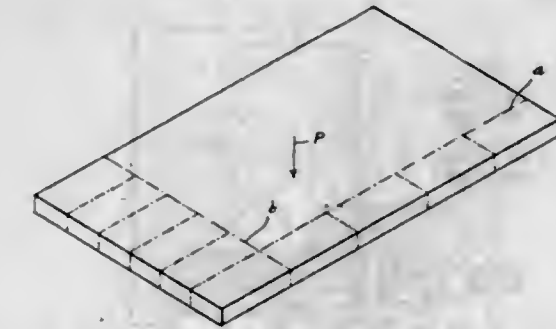


2. A windshield hinge of the character described comprising two sections, one adapted for attachment to the framework and the other to the windshield and both of which are provided with interfitting beaded portions, the stationary hinge section having an upwardly extending section terminating in a rounded lip constituting a bearing for engagement with the interior of the beaded section for the windshield, said upwardly extending portion being engageable with the terminal of the windshield hinge section to limit the movement thereof in one direction.

1,734,811. BRUSH FOR DYNAMO-ELECTRIC MACHINERY. WARREN C. KALE, Bradford, Pa., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed May 19, 1925. Serial No. 31,410. 2 Claims. (Cl. 171—325.)

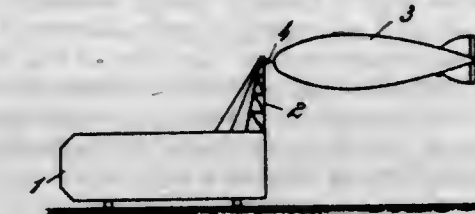
1. The process of making a commutator brush which comprises forming a mixture of 10 parts of flake graphite,

one part of molasses and one part of water, partially drying the mixture, forming the mixture into plates, compressing the plates in one direction by a pressure of at



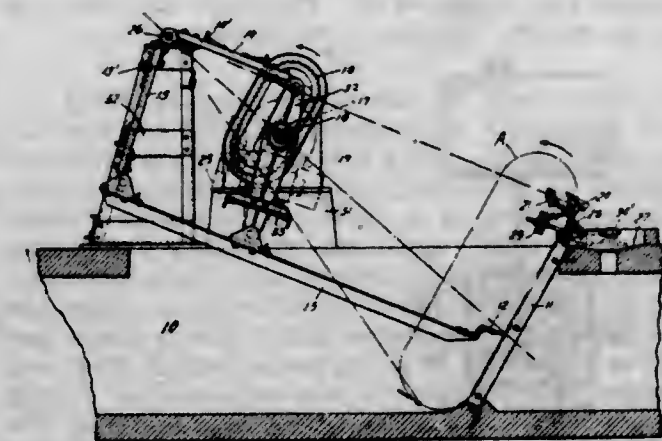
least 25 tons to the square inch, baking the plates and cutting the plates into brushes in such a direction that the direction of pressure will be along the thickness of the brush.

1,734,812. APPARATUS FOR LANDING AIRSHIPS. OTTO KRELL, Berlin-Dahlem, Germany. Filed July 16, 1926, Serial No. 122,995, and in Germany Aug. 14, 1925. 3 Claims. (Cl. 244—2.)



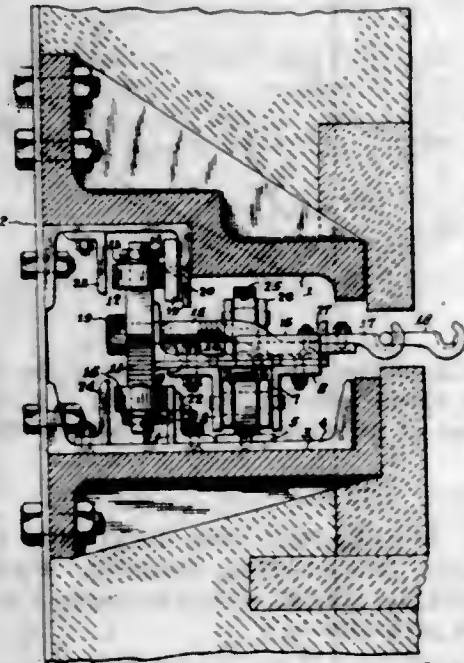
2. In an arrangement for landing and housing airships in combination a hangar movable to place its entrance accurately leeward, a mast mounted upon the leeward entrance of said hangar, a device vertically movably mounted on said mast and having means for attaching the airship to it, and means for lowering the attached airship by said device from its attaching position at the mast to substantially the middle of said hangar entrance.

1,734,813. BAR-SCREEN SCRAPER. JOHN H. KNOWLES, Scarsdale, N. Y., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 9, 1928. Serial No. 318,303. 13 Claims. (Cl. 210—176.)



1. The combination with a screen of a scraping device therefor comprising a scraper, a substantially rigid supporting element for said scraper, and means for imparting a substantially reciprocatory movement to said element in the course of which said scraper moves in one direction in proximity to said screen and returns in the opposite direction appropriately spaced from the screen, the movements of said scraper away from and towards said screen being mechanically and positively effected independent of the medium through which the scraper moves.

1,734,814. CONVEYER FOR A CONTINUOUS NORMALIZING FURNACE. SIGMUND JULIAN LESKAWA, Youngstown, Ohio. Filed Jan. 4, 1927, Serial No. 158,998. Renewed Sept. 23, 1929. 1 Claim. (Cl. 214-18.)



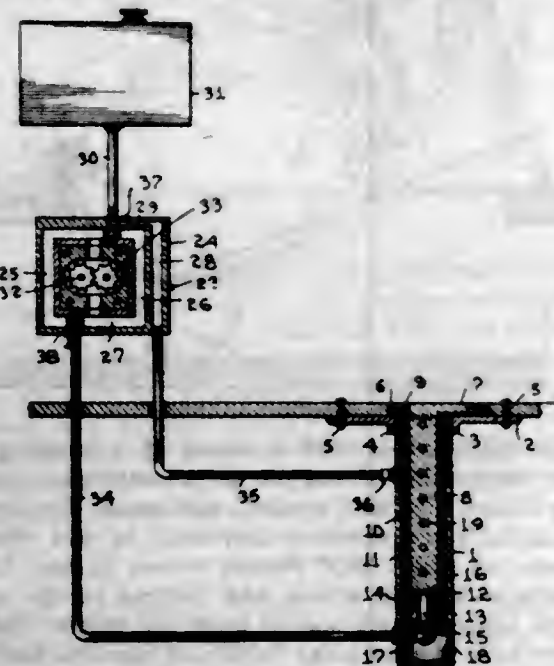
In combination with a furnace having sidewalls, guideways in each sidewall comprising spaced converging brackets forming a continuous slot on each side of the furnace, endless roller chains traveling in the guideways, carriers connected to the chains, a plurality of load supports mounted on each carrier, and means for adjusting the length of the carriers to eliminate sag.

1,734,815. CIGAR HOLDER. JUAN GUERRERO LOPEZ, Habana, Cuba. Filed Mar. 25, 1927, Serial No. 178,406, and in Cuba Mar. 7, 1927. 1 Claim. (Cl. 131-10.)



A cigar holder having a recess adapted to contain a fibrous material, and a securing means having spaced prongs at one end thereof extending through the fibrous material and into the holder and having two spaced prongs at the opposite end adapted to be inserted into a cigar.

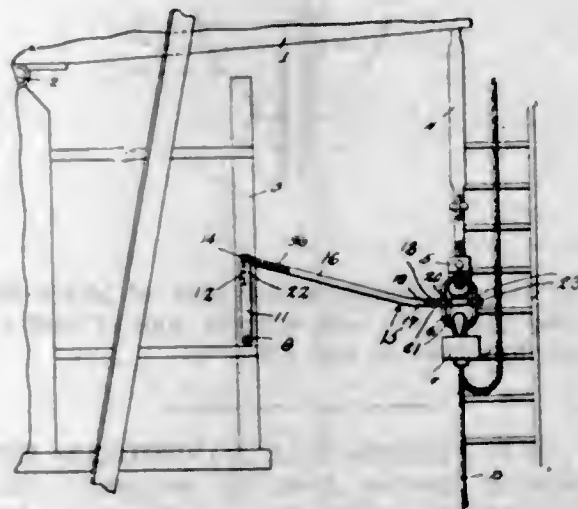
1,734,816. HYDRAULIC LIFTING JACK. JAMES E. LUDWIG, Port Huron, Mich. Filed Sept. 22, 1925. Serial No. 57,837. 1 Claim. (Cl. 133-9.)



A jack of the kind described comprising a cylinder, a member slidably mounted in the cylinder, a tank, a pump,

a casing in which said pump is inclosed and formed interiorly with a plurality of passages of which one is in constant communication with the tank and with the cylinder adjacent the upper end and the other is in valved communication with the tank and with the cylinder at the lower end, and three-way valves for alternately and selectively placing either of said passages in communication with the pump.

1,734,817. JOCKEY STICK. BEECH R. MANSFIELD, Seminole, Okla. Filed Nov. 26, 1927. Serial No. 235,929. 2 Claims. (Cl. 255-11.)



1. In a device of the class described, a radius arm provided at one end with bifurcations, and supplied at its opposite end with a laterally off-set sleeve, a pivot element mounted in the sleeve, a link, means for connecting one end of the link adjustably between the bifurcations of the radius arm, and means mounted on the opposite end of the link for holding a line clamp against rotation.

1,734,818. INSECT TRAP. CARL MARCH, Chicago, Ill. Filed Oct. 1, 1928. Serial No. 309,488. 2 Claims. (Cl. 43-107.)

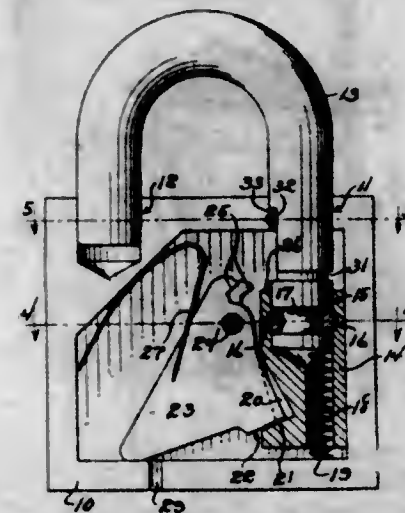


1. A trap of the character described comprising a pan, a flange formed therewith, a cover for said pan, projections depending from said cover for spacing portions of said cover from said flange to provide entrance openings, resilient clamping means detachably secured to said flange and means included in the resilient means for engagement with said cover to prevent displacement thereof.

1,734,819. PADLOCK. WILLIAM RAY MAXWELL, Hicksville, Ohio. Filed Feb. 15, 1929. Serial No. 340,149. 4 Claims. (Cl. 70-108.)

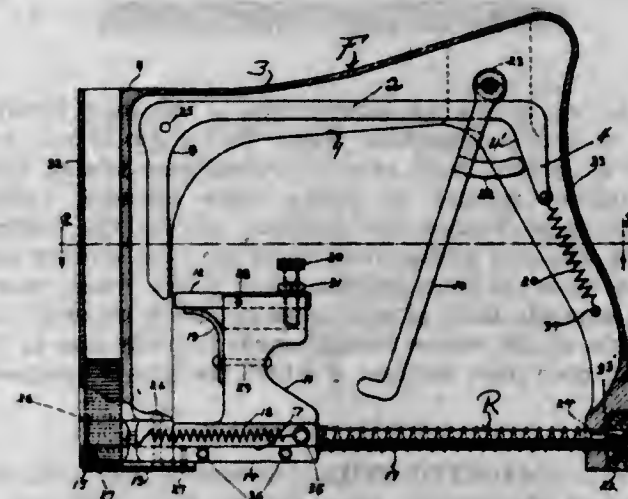
1. In a lock, a case having spaced openings in one wall, a shackle having a long leg slidable and rotatable in one of the openings and a relatively short leg removably positioned within the other opening, a non-rotatable extension having a swiveled connection with the long leg of the

shackle, a shoulder provided upon the long leg, spring influenced key operated locking plates engaging the extension to hold the shoulder in locked position, and means included in the locking plates to engage the shoulder and prevent release of the shackle.



sion to hold the shoulder in locked position, and means included in the locking plates to engage the shoulder and prevent release of the shackle.

1,734,820. GLAZIER'S POINT SETTER. LOTHAR WILHELM MAYER and PAUL RICKARD WETZEL, Chicago, Ill. Filed June 30, 1928. Serial No. 280,497. 4 Claims. (Cl. 1-44.)



1. A glazier's point setter comprising a substantially U-shaped frame, one leg of which being formed to provide a magazine and the second a hand grip, a plate secured to the working end of the leg provided with the magazine and having an opening registering with the discharge end of the magazine chamber, said leg at opposite sides of the chamber being provided with channels, said applied magazine plate partially underlying said channels, elongated guide members movable through said channels and held therein by the extended portions of the magazine plate, a driver plate secured to and bridging the space between the forward end portions of the guide members, said driver plate underlying the magazine plate, a driver block, means for securing the inner portions of the guide members to the driver block, means for retracting the driver block, and means for imparting an impact stroke to the driver block upon release therefrom of the retracting means.

1,734,821. SALT AND PEPPER DISPENSER. WARREN J. MILLER, Atlantic City, N. J. Filed July 26, 1928. Serial No. 295,526. 1 Claim. (Cl. 221-61.)

A granulated product dispenser, comprising a base, a standard supported on said base, a bar secured to said standard and having its upper end offset from the standard forming a hook, the lower end of said bar rebent on itself

forming another hook, a hook member secured intermediate the ends of said bar, a hopper having ears slidably engaging the first and last mentioned hooks, dispensing



means associated with said hopper, and a tray having an ear engaging the rebent hook and seated on the base aforesaid, said tray being positioned to catch material discharged from the hopper.

1,734,822. NEEDLE-SHOOGING MECHANISM. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a Corporation of Maine. Filed Apr. 2, 1927. Serial No. 180,527. 1 Claim. (Cl. 112-177.)

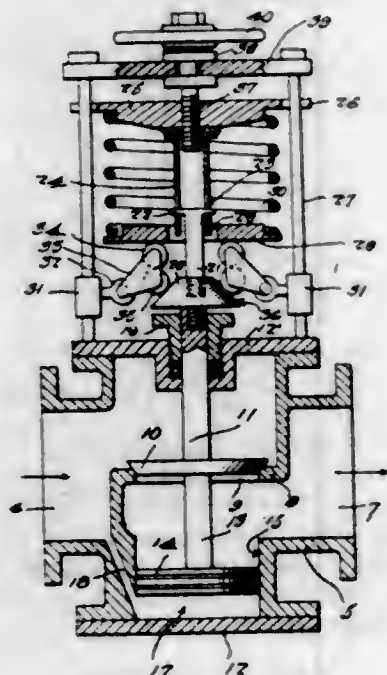


A needle shooging mechanism for blind stitch sewing machines comprising in combination, a stitching head, a horizontal shaft fixed to said head, a needle lever having a hub fulcrumed on said shaft, means for oscillating said needle lever, said hub having a peripheral groove, and means for reciprocating said needle lever along said shaft comprising a bell crank lever fulcrumed on said head above said groove and including a vertical arm and a horizontal arm, means carried by the vertical arm for sliding engagement with the peripheral groove of the hub, a cam block fixed to the horizontal arm, a peripheral cam cooperating with said cam block for imparting positive strokes to the needle lever during each complete reciprocation thereof, said cam including oppositely disposed concentric peripheral portions of different radii, and means for rotating said cam once during every two complete oscillations of the needle lever.

1,734,823. PRESSURE-CONTROL VALVE. CHARLES J. OGDEN, Brookline, Mass. Filed Nov. 26, 1927. Serial No. 235,873. 2 Claims. (Cl. 50-35.)

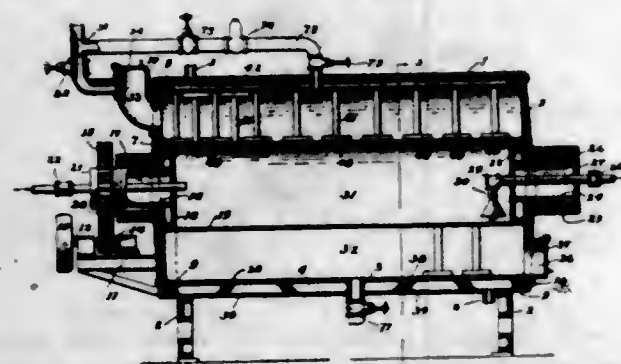
1. In a pressure control valve, spring actuating means for the valve adapted to permit opening thereof under

certain predetermined pressure condition and including tension compensating means for the spring interposed between the spring and the valve comprising a pair of pivotally mounted roller brackets having their free ends



arranged for maintaining the adjacent ends of the spring and valve in spaced relation and adapted upon their upward swinging movement to increase the tension of the spring without subjecting the valve to such increased tension.

1,734,824. METHOD OF AND APPARATUS FOR TREATING MATERIAL. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa. Filed Dec. 8, 1926. Serial No. 153,298. 8 Claims. (Cl. 34-7.)

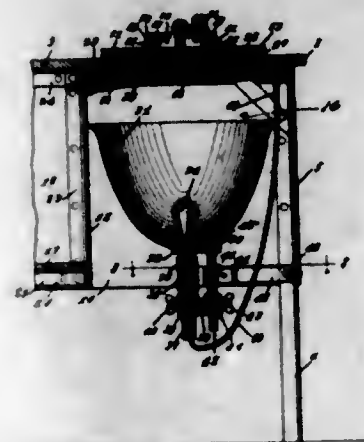


1. In a cooking and drying apparatus, the combination with relatively rotatable concentric steam drums forming between them a chamber to receive the material to be treated, of scraping means contacting with the outer wall of the inner drum and the inner wall of the outer drum to prevent the accumulation of the material on the walls of said chamber.

1,734,825. PHOTOGRAPHIC-PRINTING MACHINE. THOMAS G. PATE, Liberal, Kans. Filed Feb. 19, 1926. Serial No. 59,365. 3 Claims. (Cl. 95-73.)

1. In a photographic printing machine of that type including a cabinet having an opening in its top, means for securing a printing plate in said opening and a printing head for extension across said opening above said plate, the combination of an upwardly directed reflector positioned below said plate and having an opening in its lower end, a lamp extending through and free of connection with the wall of said opening, a vertically disposed adjusting ele-

ment for said lamp, a vertically disposed adjusting bar for said reflector, supporting means for said bar, means connecting said element and bar for supporting the former,



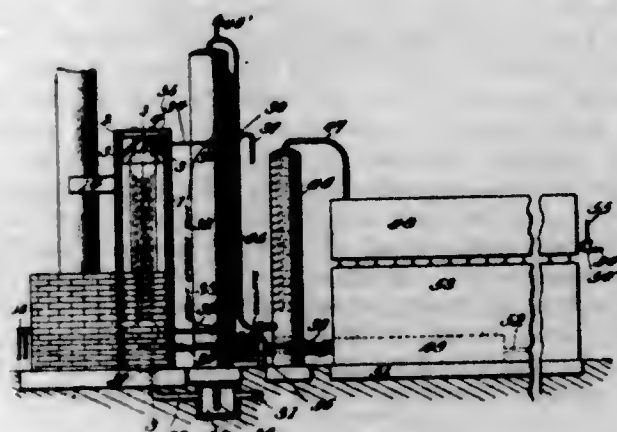
for maintaining said element and bar in adjusted position and for bodily shifting the bar and element to simultaneously adjust the lamp and reflector.

1,734,826. MANUFACTURE OF PARTITION AND LIKE BUILDING BLOCKS. ISRAEL PICK, Königsberg, Germany. Filed Sept. 26, 1926, Serial No. 58,700½, and in Germany Oct. 9, 1929. 2 Claims. (Cl. 20-91.)



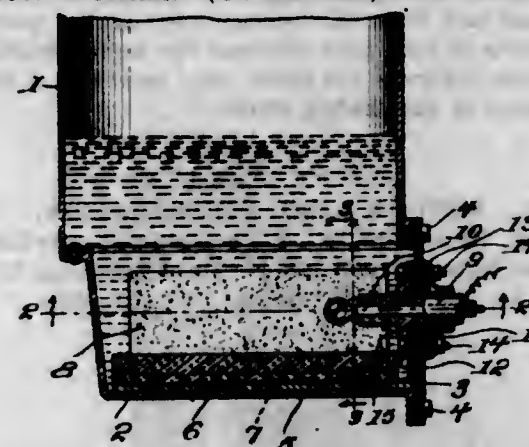
2. As an article of manufacture a compact building block or panel, comprising waste veneer pieces and produced by placing such pieces together and joining them in staggered relation by gluing under pressure, cutting the boards so formed into sections, placing the sections side by side and gluing them together, then cutting core sections from the block so formed and gluing veneer boards to the opposite faces of said cores in such a manner, that the grain of the veneer facing boards is transverse to the grain of the veneer sections of which the core is composed.

1,734,827. CRACKING STILL. GEORGE L. PAICHARD and HERBERT HENDERSON, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Mar. 4, 1922. Serial No. 541,126. 7 Claims. (Cl. 196-108.)



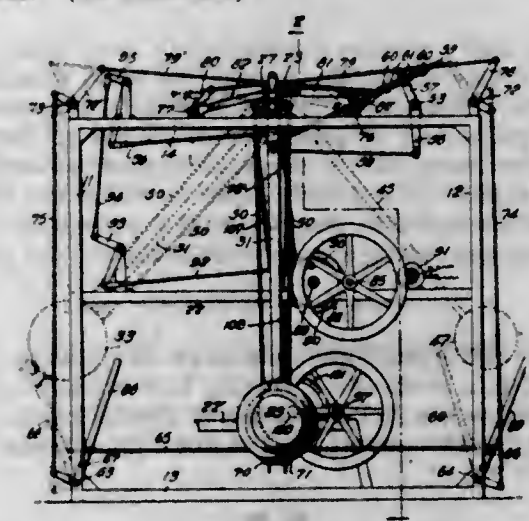
1. Apparatus for cracking oils comprising a fire box and a heating chamber in communication therewith, supports, a still comprising an upper and lower drum connected by tubes and suspended in the heating chamber by the supports, and fire brick or the like surrounding the still and suspended therewith above the level of the fire box.

1,734,828. WATER HEATER. DAVID F. PRISER, North Manchester, Ind. Filed Dec. 15, 1928. Serial No. 326,396. 2 Claims. (Cl. 219-40.)



1. A heater of the class described comprising a container for the water to be heated, a casing connected with the bottom of the container and in communication therewith, one end of the casing being open, a drawer-like member slidably arranged in the casing with a part closing the opening, a pair of spaced members formed of carbon or the like carried by and insulated from the drawer-like member and means for connecting said members with a source of electrical supply whereby the current passing through the water from one member to the other will heat the water.

1,734,829. GRAVITY MOTOR. JAMES T. ROSS, Duncan, Okla. Filed Nov. 22, 1928. Serial No. 321,051. 10 Claims. (Cl. 185-29.)



1. In a gravity motor a composite pendulum comprising a main pendulum frame and an auxiliary pendulum mounted to swing within the main pendulum frame, and connections between the main pendulum frame and the auxiliary pendulum whereby the auxiliary pendulum is caused to swing always in the opposite direction from that of the main pendulum frame.

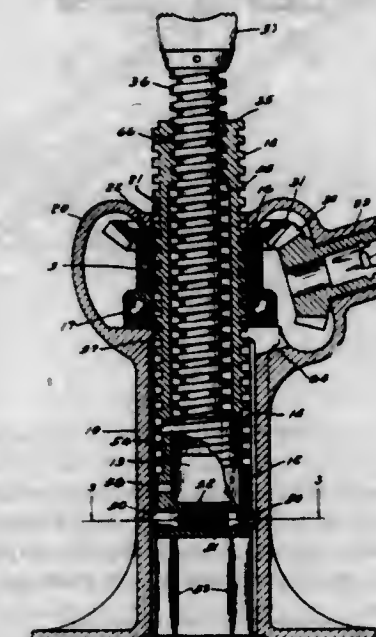
1,734,830. EMERGENCY REPAIR LINK. ROBERT R. ROTH, Thomas, W. Va. Filed Mar. 1, 1928. Serial No. 258,305. 1 Claim. (Cl. 59-85.)



A link of the character described, comprising a body having loops extending from the opposite ends thereof,

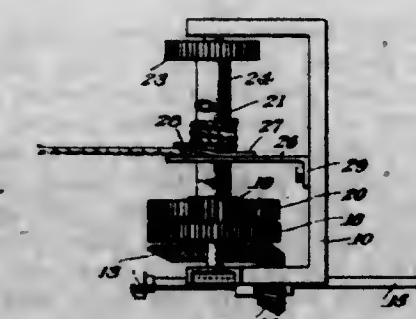
the material forming said body and loops being of uniform cross section, and said loops being in planes at other than right angles to one another and having ends in parallelism to and overlying one another both when the link is open and closed.

1,734,831. JACK. WILLIAM B. RUNYAN, Dayton, Ohio, assignor to The Dayton Malleable Iron Company, Dayton, Ohio, a Corporation of Ohio. Filed July 18, 1925. Serial No. 44,517. 6 Claims. (Cl. 254-102.)



1. A lifting jack comprising a hollow standard, main and secondary lifting members disposed in said hollow standard, and means adapted to be actuated to automatically effect successive axial movements of said lifting members, said means comprising not less than three longitudinally extending ribs carried by the hollow standard for guiding the movement of the main elevating member, and impositive control means interposed between the main lifting member and constituting a limited impedance cooperating with said ribs to cause axial movement of the main elevating member during extension and retraction thereof.

1,734,832. ROPE GUIDE FOR EXTRICATING MACHINES. ALECK A. SHANKLIN, Fairmont, Nehr. Filed Apr. 2, 1928. Serial No. 266,818. 4 Claims. (Cl. 254-177.)

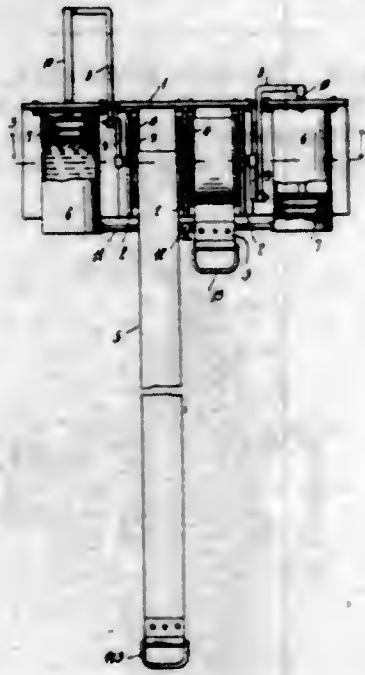


1. In combination with an apparatus including a rotatable drum and a cable wound thereon, a guide secured to a stationary part of the apparatus, and a curved arm included in the guide and extending over the drum for engagement by the cable.

1,734,833. FIRE ESCAPE. ROSENDO NOBEL SHEARER, Holland, Mich. Filed Dec. 7, 1926. Serial No. 153,125. 1 Claim. (Cl. 154-158.)

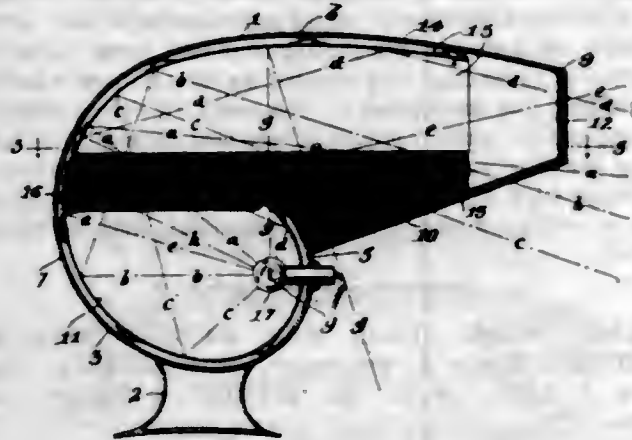
A fire escape, comprising an angular bracket member, journal members secured thereto, a crank shaft journaled

in said members, reels secured to said shaft between said journal members, flexible members arranged to wind alternately on said reels, a cylinder supported by said brackets and arranged at each end of the crank shaft, a piston



in each of said cylinders and operatively connected with the crank shaft, and a duct connecting said cylinders, the cylinders and duct containing a fluid completely filling the cylinders on one of the sides of the pistons.

1,734,834. LIGHT PROJECTOR. WILLARD M. STEWARD, New York, N. Y., and HAROLD C. BLOCK, Houston, Tex. Filed June 28, 1927. Serial No. 202,109. 2 Claims. (Cl. 240-41.)



1. A light projector comprising a lower casing portion, an upper casing portion, said upper casing portion extending forwardly and substantially horizontal past the upper forward edge of the lower casing portion, a light-bulb in said lower casing portion, a reflector in said lower casing portion, a reflector in said upper casing portion, a vertical translucent glass in the front opening of the upper casing portion and opposite said upper reflector and a clear glass beneath said translucent glass and opposite the space between said reflectors, the space between said reflectors being treated to render it non-reflecting.

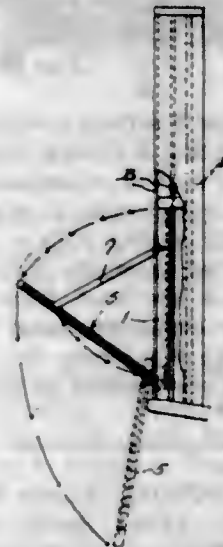
1,734,835. METHOD OF BUILDING TIRE CARCASSES. JAMES A. STRUM, Watertown, Mass. Filed Oct. 8, 1927. Serial No. 224,953. 4 Claims. (Cl. 154-14.)



1. In a method of building a tire carcass in substantially pulley band form, the steps of applying a tread band to a

substantially cylindrical drum of greater width than the tread band, assembling chafing strips in stepped pairs, and applying said chafing strips in overlapping relation to the tread band and with the outside edge of the underlying chafing strip of each pair adjacent the corresponding edge of the drum whereby the drum edge serves as a guide in the applying of the chafing strips.

1,734,836. WINDOW-SASH CONSTRUCTION. GERALD THOMAS, New York, N. Y., assignor of one-fourth to Godfrey Nurse, New York, N. Y. Filed Aug. 11, 1928. Serial No. 299,041. 2 Claims. (Cl. 20-49.)



1. In a sash structure comprising an outer slide frame, an inner frame engageable within the outer frame, said inner frame being formed with a pair of its opposite edges grooved, and a pair of arms pivoted at one of their ends to the outer frame and having their opposite ends slidably engaged within the grooved edges of the arms whereby the same inner frame may be moved outwardly of the outer frame and swung to a reversed position.

1,734,837. PYROMETER. CHARLES B. THWING, Philadelphia, Pa., assignor to Thwing Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 3, 1925. Serial No. 54,816. 12 Claims. (Cl. 73-32.)



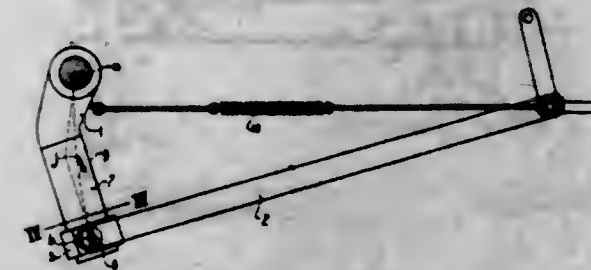
1. A pyrometer comprising a detector, a concave reflector on one side of said detector, and a converging lens on the other side thereof.

1,734,838. COIN-CONTROLLED CIRCUIT CLOSER. ARTHUR W. TUCKER, San Antonio, Tex. Filed Sept. 5, 1928. Serial No. 304,050. 8 Claims. (Cl. 194-6.)



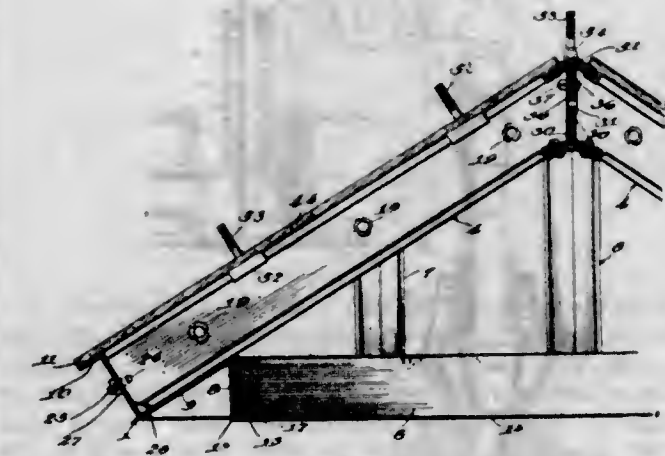
1. In combination, a compartment having a hinged door, a casing supported within the compartment, normally separated fixed and movable contacts in the casing, and means operable by closing of the door to actuate the movable contact to a position where both of such contacts will be engaged by a coin inserted into the casing to complete an electrical circuit.

1,734,839. BRAKE APPARATUS FOR VEHICLES. ALEXANDER ISAAK VAN LEE, The Hague, Netherlands. Filed July 27, 1925, Serial No. 46,408, and in the Netherlands Aug. 5, 1924. 3 Claims. (Cl. 188-195.)



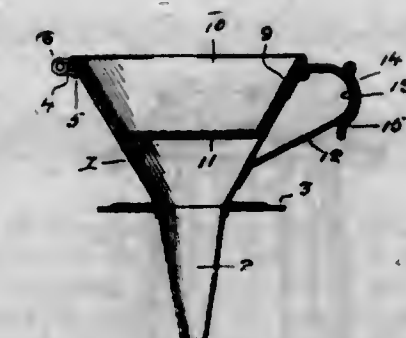
1. In a brake apparatus for vehicles, particularly of that type which vary the brake pressure according to the load on the wheels of the vehicle by changing the brake lever ratio, a lever having a guideway, and a fulcrum adapted to move along said guideway so as to change the brake lever ratio, said guideway and fulcrum being so shaped as to engender, under braking pressure, a frictional value between them, sufficient to prevent shifting of said fulcrum relative to said guideway.

1,734,840. SKYLIGHT. SIDNEY VOLK, Benton Harbor, Mich. Filed Nov. 17, 1926. Serial No. 148,888. 5 Claims. (Cl. 108-16.)



5. In a metallic building structure a substantially rectangular frame including side and end sections of substantially V-shape in cross-section, upstanding flanges on the ends of the adjacent sections, and hip members supported on the corners of the frame, each of which includes a pair of juxtapositioned longitudinal members having their lower ends disposed upon opposite sides of the flanges and secured thereto.

1,734,841. STRAINING FUNNEL. JOHN W. WALDEN, Abilene, Tex. Filed Apr. 10, 1928. Serial No. 269,002. 1 Claim. (Cl. 210-155.)

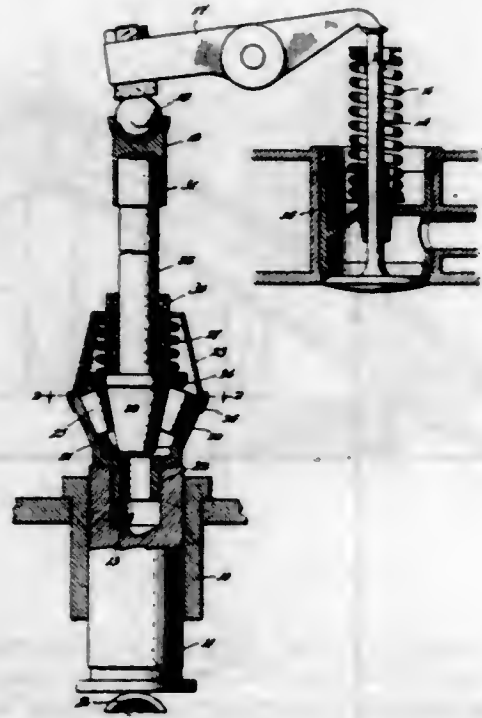


A funnel having a bead surrounding the mouth thereof, a reinforcing wire in the bead, having a looped portion projecting through the bead and having a handle whose upper and outer portion is rounded and connected at a point diametrically opposite the loop, a strainer having a flared body portion and having its mouth beaded, a reinforcing wire passing through the bead and having a part extending through the bead and formed with an eye to engage with the loop for hingedly connecting the strainer to the funnel and the body of the strainer having a curved spring arm designed to overlie and frictionally engage the rounded portion of the handle when the strainer is swung into the funnel.

1,734,842. VALVE-ACTUATING MECHANISM. CALVIN C. WILLIAMS, Philadelphia, Pa. Filed Nov. 12, 1926. Serial No. 148,054. 8 Claims. (Cl. 128-90.)

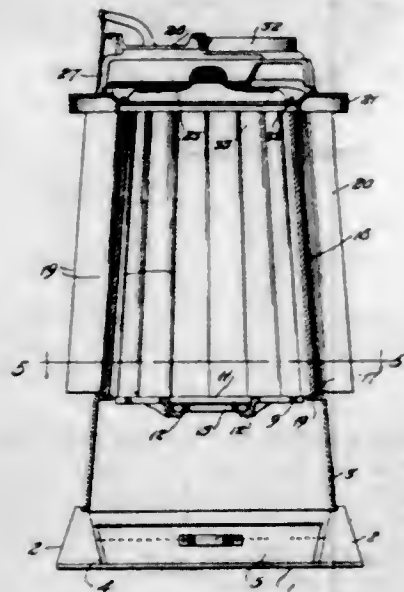
5. An automatic take-up device including relatively movable male and female members, wedging means coact-

ing therewith, yieldable means tending to advance said wedging means for spreading said members and resisting



retrograde movement of said wedging means, and a cap fixed to the female member and providing an abutment for said yieldable means.

1,734,843. STOVE. ROBERT T. WILLIAMS, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed May 31, 1927. Serial No. 195,473. 16 Claims. (Cl. 126-58.)

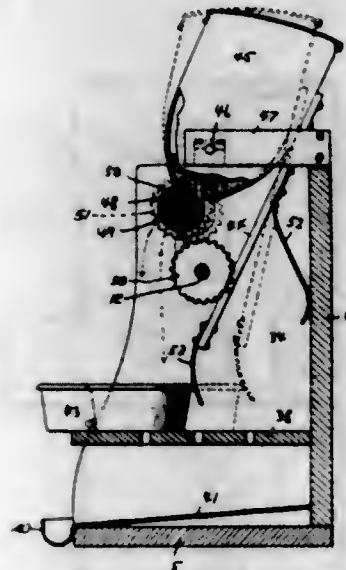


1. A stove of the character described including a fire-pot having interior corrugations and outside vertical fins forming flues thereabout extending in an upward direction.

1,734,844. FISH-SALTING APPARATUS. MOSES ZUSMER, Bronx, N. Y. Filed July 12, 1927. Serial No. 205,231. 6 Claims. (Cl. 226-128.)

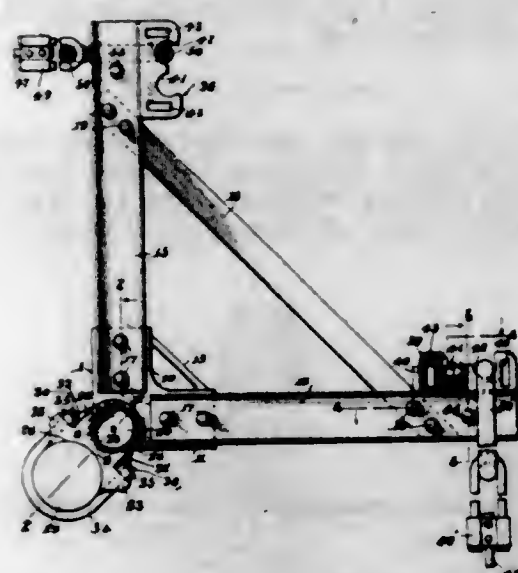
1. In an organized mechanism for the purpose described, a shaft, means for rotatably mounting the shaft, a gear

on the shaft, a receptacle, means for rockably mounting the receptacle, an agitator in the receptacle, a gear opera-



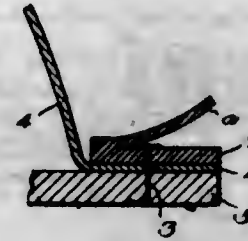
tively connected with the agitator, means for normally holding the receptacle so that the second gear is out of mesh with the first gear.

1,734,845. SWING. CLOISE H. BALDWIN, Fort Worth, Tex., assignor to Texas Steel Company, Fort Worth, Tex., a Corporation of Delaware. Filed Jan. 18, 1927. Serial No. 161,938. 8 Claims. (Cl. 308-21.)



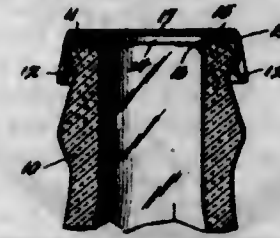
2. In a swing an oscillatory element for interposition between the pull rods and including a head piece formed of a tubular part having an intermediate and a pair of end portions, said end portions constituting journals, said intermediate part having one end thereof formed with a lubricant collecting groove positioned at the inner end of one of said journals, said intermediate part further provided with a peripheral lengthwise disposed passage opening into and leading from said groove to the other of said journals, a pair of arms disposed at right angles with respect to each other and integral with said intermediate part, and supporting means secured to each of said arms, extending therefrom and adapted to support a combined pull rod stirrup and lubricating means.

1,734,846. FOOTWEAR. LUIS HECTOR BARONE, Buenos Aires, Argentina. Filed Oct. 15, 1928. Serial No. 312,686. 1 Claim. (Cl. 36-16.)



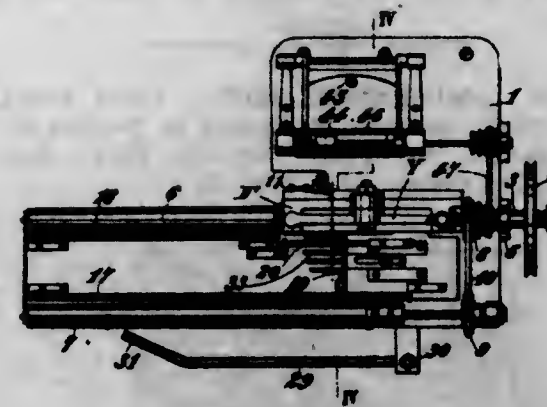
In a shoe, a sole, an upper, the edge of said upper being out-turned adjacent the sole, a welt lying on said out-turned edge, said welt being split lengthwise to form a top flap, securing means passing through said welt, upper and sole, the upper surface of said securing means being covered by said flap.

1,734,847. SEAL. WILLIAM G. BOND, Holly Oak, Del. Filed Mar. 3, 1928. Serial No. 258,832. 10 Claims. (Cl. 215-38.)



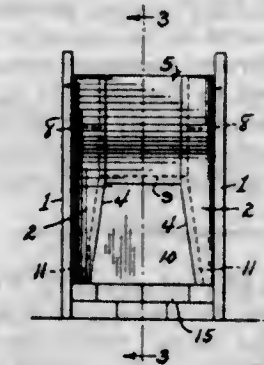
1. In combination with a container having an opening therein, a closure therefor comprising a cap, a cork disk received in said cap and having a glazed surface presented to the contents of the container.

1,734,848. MACHINE FOR CUTTING RIBBONS FROM BIAS OR STRAIGHT-WOVEN TEXTILE FABRIC, LEATHER, RUBBER, OR OTHER SIMILAR MATERIALS. STEPHEN ANDRE BRANDON, Fresnay-sur-Sarthe, France. Filed July 22, 1926, Serial No. 124,275, and in France Dec. 29, 1925. 13 Claims. (Cl. 164-61.)



1. A machine for cutting bias pieces from a tubular fabric, comprising front and rear feed rolls for threadedly receiving the fabric, a knife for cutting said bias pieces from the advancing edge thereof, a guide for the fabric, a rod pivoted at one end and arranged to engage and urge the material passing over the front feed roll towards the material passing over the rear feed roll and to deflect the material toward said guide.

1,734,849. OPEN FIREPLACE. ARVIS BRANNON, Rome, Ga. Filed Nov. 21, 1927. Serial No. 234,848. 1 Claim. (Cl. 126-120.)



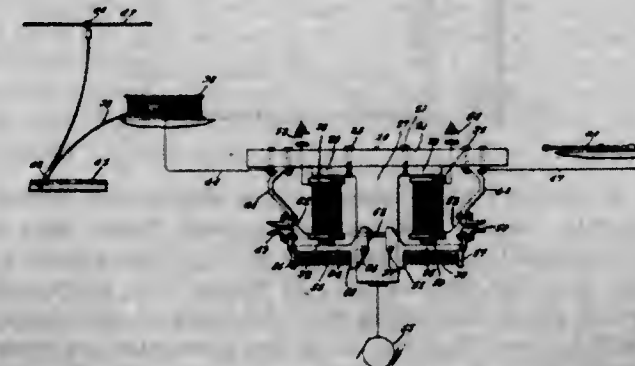
A fireplace comprising a pair of spaced side plates having extensions at their upper and outer corners and having openings at their lower and rear corners, said side members having their rear edges curved and extended to provide back flanges, said back flanges having their top portions sloped downwardly from the extending corners of the sides and the faces of the lower portions thereof straight and the edges thereof disposed at opposite angles to provide a wedge shaped opening therebetween, an angle top plate having a lower straight end and having its side edges rabbeted to receive the adjacent edges in the rabbets of the sloped portion of the back flanges, said back plate having its lower edge rabbeted, a back plate of key-stone formation having its edges rabbeted to receive the adjacent edges of the lower portions of the back flanges, its upper end rabbeted to receive the lower edge of the top plate and filler bricks holding the back plate in position and the fireplace assembled.

1,734,850. DRY KILN. FRANK M. CREIGHTON, Americus, Ga., and WILLIAM E. GRAY, Memphis, Tenn., assignors to Moore Dry Kiln Company, Jacksonville, Fla., a Corporation of Florida. Filed Apr. 13, 1926. Serial No. 101,762. 11 Claims. (Cl. 34-46.)



1. A kiln of the character described including a chamber, ventilators at the top, a heat supply at the bottom, sprays for supplying humidity, air intakes at opposite ends, conduits leading from the intakes in opposite directions beyond the center, and discharging in opposite directions away from each other, and jets located in the conduits.

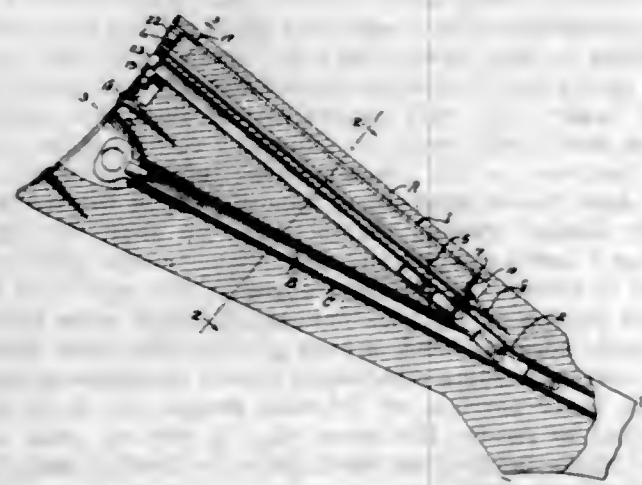
1,734,851. SWITCH. FRENCH ELLIS, McAndrews, Ky., assignor of one-half to Joseph A. Helm, Stone, Ky. Filed Oct. 28, 1927. Serial No. 229,376. 2 Claims. (Cl. 200-98.)



1. A switch of the character described comprising a base member, a T-shaped supporting structure secured to the base member, and a switch mechanism.

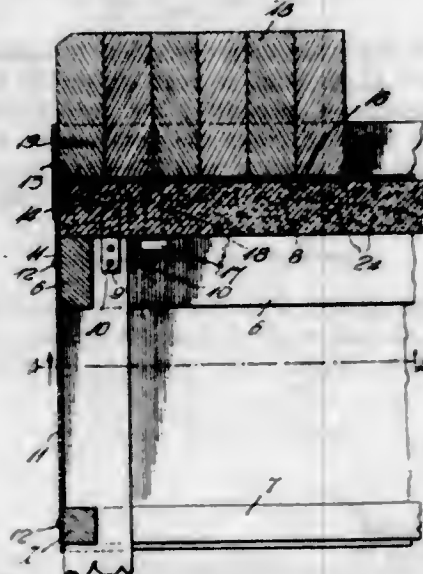
said base member, solenoids mounted on the horizontal arms of the T-shaped supporting structure, armatures for the solenoids having one of their ends pivotally secured to the vertical arm of the T-shape member, spring pressed contact members pivoted to the opposite ends of the armatures, stationary contact members mounted on the base member and arranged in the path of the pivoted contact members, and means carried by one of the armatures and arranged in the path of the other armature to prevent simultaneous operation of the armatures.

1,734,852. AUXILIARY MAGAZINE FOR AUTOMATIC RIFLES. WILBUR R. FRAMPTON and WILLIAM RENO REED, Independence, Kans. Filed Nov. 21, 1928. Serial No. 320,993. 5 Claims. (Cl. 42-87.)



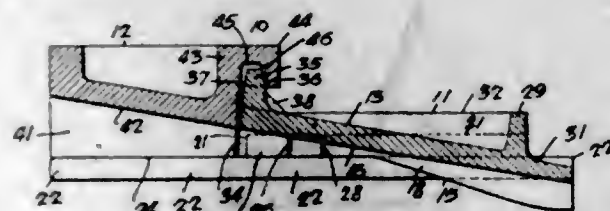
2. An auxiliary magazine for a rifle comprising a cylindrical member grooved longitudinally to provide a plurality of cartridge receiving chambers, means for rotating the cylindrical member for disposing the grooves thereof in communication with the magazine sleeve of the rifle, means for controlling the communication, means for operating the controlling means and a cap for the outer end of said cylindrical member and being detachably secured thereto.

1,734,853. BUTCHER'S BLOCK. ANDREW C. GURNEA, Chicago, Ill. Filed Dec. 31, 1928. Serial No. 329,454. 4 Claims. (Cl. 146-215.)



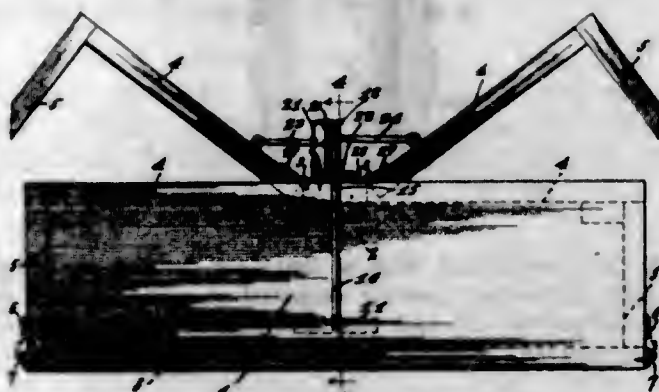
1. A butcher's block comprising a supporting frame, a monolithic cement slab resting on said frame, slab anchors embedded in said slab and having downwardly projecting portions secured to said frame, flat horizontally elongated plates contacting with the edges of said slab and projecting upwardly from the latter, plate anchors secured to said plates and embedded in said slab, and a block supported by said slab, the edges of said block being disposed against the inner sides of said plates.

1,734,854. TWO-PIECE RAM-BOX CAP. CLIFFORD E. HARRISON, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 4, 1925. Serial No. 27,899. 2 Claims. (Cl. 110-32.)



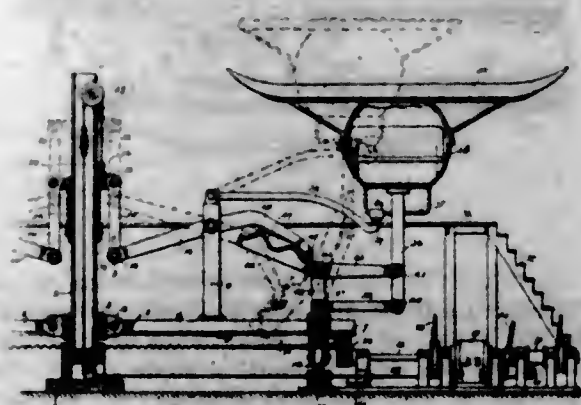
1. The combination with a furnace wall provided with a passage, of a ram-box for said passage comprising a base portion having shoulders and a ram-box cap mounted on said shoulders, said cap comprising front and rear sections, said rear section having side, top and end wall portions, said end wall portion being provided with a recess, of which one surface is bevelled, and said front section having an upstanding lug positioned in said recess in engagement with said bevelled surface.

1,734,855. ANIMAL TRAP. WILLIAM FLOYD HENDRICKS, Richmond, Va., assignor of one-third to Felix A. Baschon, Richmond, Va. Filed Jan. 14, 1929. Serial No. 332,402. 5 Claims. (Cl. 43-61.)



1. An animal trap comprising a body having open ends, weighted doors hinged to the top of the body, catch means between the doors and the bottom of the body, rods having lug ends loosely connected to the doors, and the lugs of the said rods designed for interengagement to hold the rods in alignment and the doors open, a bait pan journaled in the body and means operated upon the swinging of the bait pan for breaking the joint between the rods to permit of the door swinging to closed and latched position.

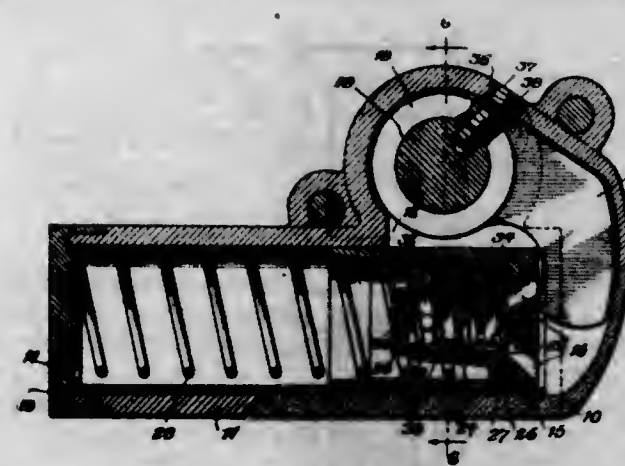
1,734,856. AMUSEMENT RIDE. JACOB IRACH, New York, N. Y., assignor of one-half to Barbara E. Jones, Freeport, N. Y. Filed Nov. 12, 1928. Serial No. 318,861. 8 Claims. (Cl. 272-28.)



1. An amusement ride, including a rotating frame, a standard carrying said frame, means acting as cars, pivot-

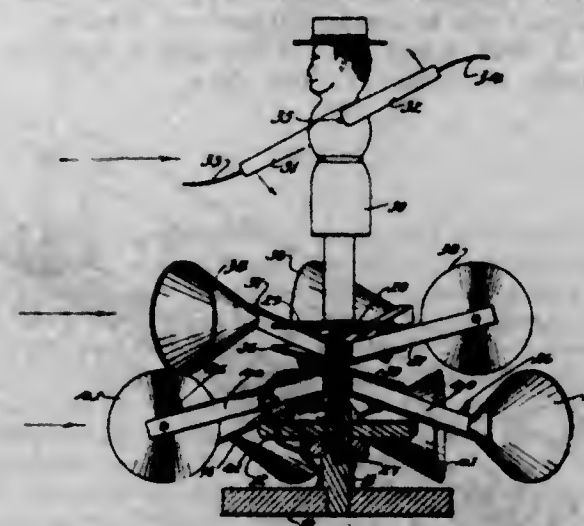
ally mounted members carried by the frame supporting said means, a cable for acting on said supporting members for raising said cars, a driving mechanism for rotating said frame and the parts carried thereby, and means for throwing to a non-functioning position said cable.

1,734,857. SHOCK ABSORBER. EDWIN SUTHERLAND KANT, Brookline, Mass. Filed June 28, 1927. Serial No. 202,100. 8 Claims. (Cl. 267-8.)



7. A shock absorbing device for controlling the recoil force of a deflected spring or the like, including a body filled with a fluid, a piston having a valve by-pass movable in opposite directions within the body, means for normally moving the piston in one direction and co-incident with the deflection of the spring and means operable by the recoil force of the spring for moving the piston in the opposite direction, the valve for controlling said by-pass impinged against the piston and including a tubular section having communication at its inner end with the by-pass and provided with circumferential radial slits at said inner end, a cup shaped section telescopically fitting within the opposite end of the sleeve having circumferentially spaced radial ports adjacent its outer closed end, said ports being of greater size than the slits, a coiled contractile spring respectively secured to the closed end of the cup shaped section and to the piston and a coiled expansion spring of greater tension than the contractile spring interposed between the piston head and the outer closed end of the cup shaped section.

1,734,858. TOY WINDMILL. JOHN F. KELLER, Ottoville, Ohio. Filed June 11, 1928. Serial No. 284,382. 2 Claims. (Cl. 46-14.)

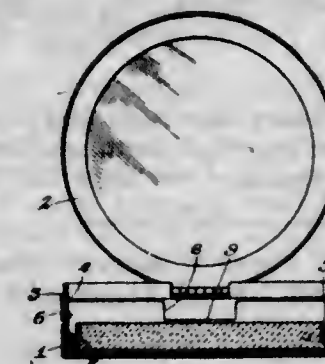


1. A toy windmill comprising a plurality of sets of arms mounted for rotation around a standard, conical wind-driven cups on said arms near their ends, the cups being disposed with their apices adjacent the arms, the open ends of the cups of one set being directed in a direction opposite

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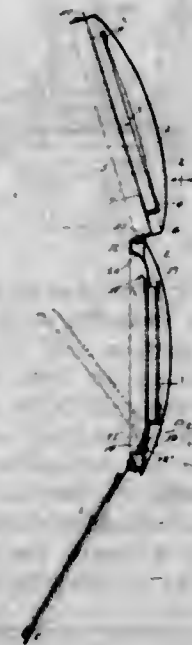
to that in which the open ends of the cups of the other set are directed, an electrical circuit and electric lights in said circuit mounted on the arms near the cups to direct the light in a variety of ways as the cups revolve.

1,734,859. HOLDING RING FOR COMPACT PLATES. WILLIAM G. KENDALL, Newark, N. J. Filed Mar. 8, 1928. Serial No. 260,083. 6 Claims. (Cl. 132-83.)



1. A holding ring for compact plates, comprising an annular tubular ring structure formed with a plurality of pressed out portions for engaging and holding a compact plate in position, and a deformable restricted neck, said neck when deformed permitting the ring to be inserted and when forced back into its original position, acting to cause the ring to interlock with the vanity case in which it is positioned.

1,734,860. HOLDING MEANS FOR VANITY CASES. WILLIAM G. KENDALL, Newark, N. J. Filed Dec. 14, 1928. Serial No. 326,102. 6 Claims. (Cl. 132-83.)

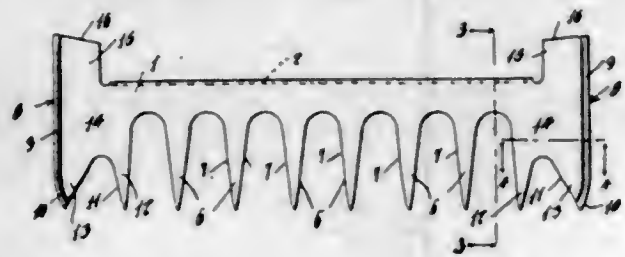


6. In a vanity case, a swingable ring adapted to receive and hold a powder-carrying plate, said ring having an apertured body and an up-standing wall against which the edge of said plate is adapted to rest, said wall extending from one edge of said body, a projection extending from said body acting as a pivotal support, and a retaining and clamping ring connected to the outer part of said wall and positioned substantially parallel to said body for the clamping of said plate.

1,734,861. COMBINED RAKE AND HOE. ARCHER F. KNOTT, Dinwiddie, Va.; Charles L. Knott, executor of said Archer F. Knott, deceased, assignor to Richmond Pressed Metal Works, Incorporated, Richmond, Va. Filed Feb. 23, 1928. Serial No. 256,429. 3 Claims. (Cl. 55-10.)

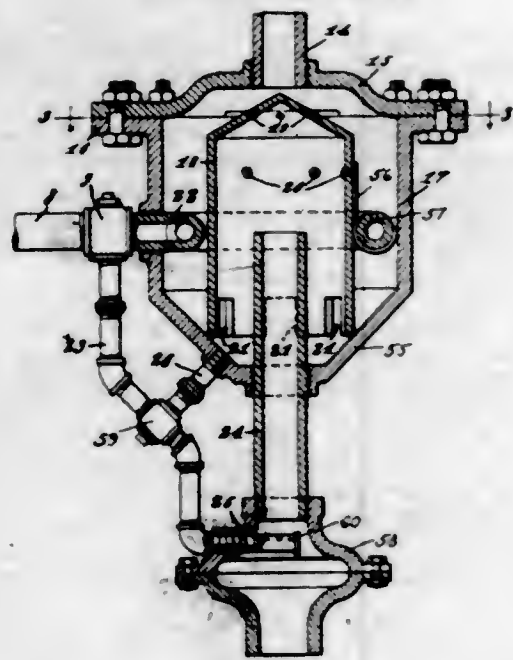
1. A combined rake and hoe, comprising a head having a bar, teeth formed integral with the bar, a hoe blade

formed integral with the bar at one of its extremities, said hoe blade having a recess therein extending in the direc-



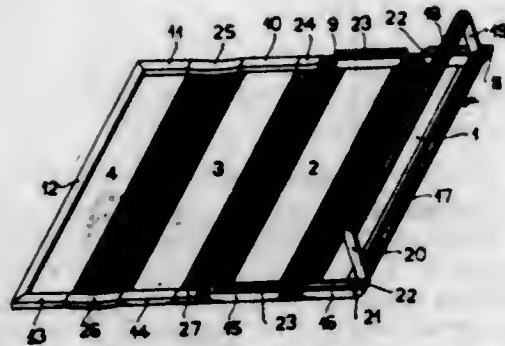
tion of recesses between the teeth and forming teeth shorter than the first mentioned teeth, and said hoe blade having a portion extending on the upper side of the bar.

1,734,862. MIXER. FRANK D. KORKLE, Lancaster, Pa. Filed Aug. 24, 1927. Serial No. 215,253. 3 Claims. (Cl. 261-117.)



3. In a refrigerating system safety device of the character described, a mixer including a body portion, a bell arranged in said body portion and resting upon the bottom thereof, said bell having an open bottom and a closed apertured top, a top for said body portion, an inlet pipe rising from the last mentioned top and disposed above the apex of the top of the bell, an outlet pipe disposed in said bell and passing through the bottom of the body portion, an auxiliary mixer in communication with the lower end of the outlet pipe, and means for introducing water in the body portion, in the bell and in the auxiliary mixer.

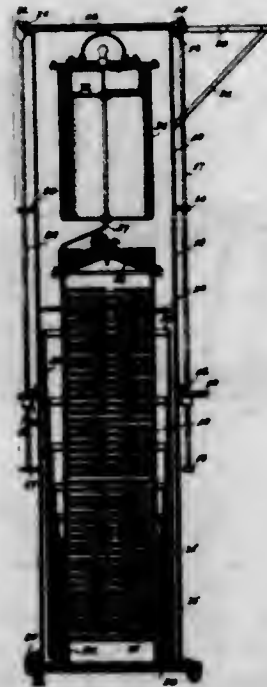
1,734,863. PORTFOLIO. STEPHAN KRAFT, Vienna, Austria. Filed Nov. 28, 1927, Serial No. 236,321, and in Austria Oct. 26, 1926. 6 Claims. (Cl. 129-1.)



1. A portfolio comprising a flexible wrapping member composed of alternate plane stiff and flexible sections,

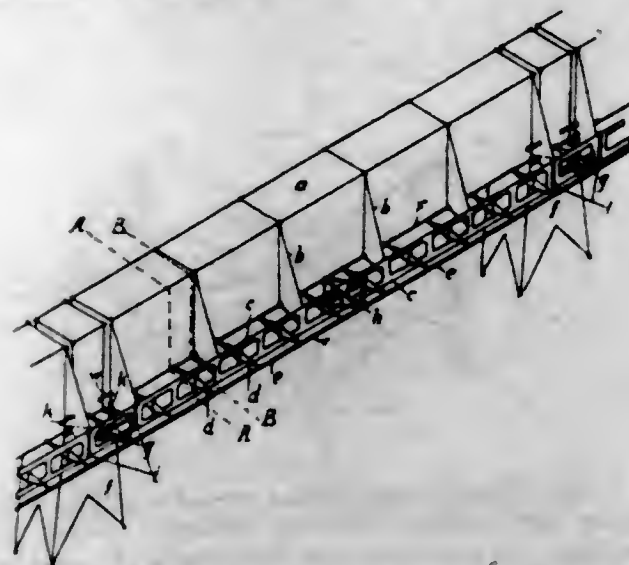
means carried by one of the end sections for securing thereto an end of the object to be encased and also serving as a support for said object to be wound within the wrapping member, and cooperating members carried by certain of the sections for closing the ends of the portfolio when folded.

1,734,864. SUBMARINE SAFETY DEVICE. WILLY KRAUSE, Prospect Park, N. J. Filed Apr. 5, 1928. Serial No. 267,639. 7 Claims. (Cl. 114-16.6.)



1. A safety device for submersible vessels including a cylinder adapted to be mounted in the deck of a vessel with its upper and lower ends disposed respectively without and within the vessel, covers for the upper and lower ends of the cylinder independently manually manipulable from the interior of the vessel, a collapsible hose arranged in the cylinder and communicating with the interior of the vessel when the lower cover is open, a cap sealing the other end of the hose, a cable attached to the cap for distending the hose, the upper cylinder cover being swivelly connected to the cylinder, and means acting on the free edge of the swivel cover to elevate the same against water pressure and admit water to the cylinder prior to movement of the cover to fully open position.

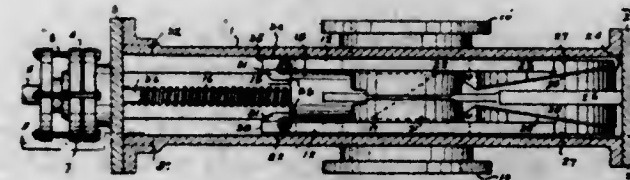
1,734,865. RAIL-BEARER STRUCTURE FOR HIGH-SPEED SUSPENDED RAILWAYS. FRANZ KRUCKENBERG and CURT STEDFELD, Heidelberg, Germany. Filed Mar. 5, 1927, Serial No. 173,197, and in Germany Nov. 11, 1925. 9 Claims. (Cl. 104-93.)



1. A rail supporting structure for high speed suspended railways having a substantially continuous welded track-

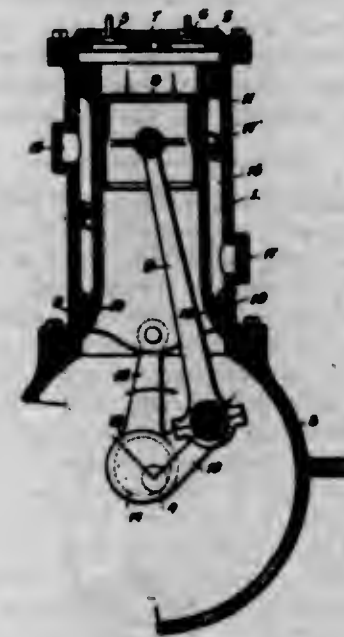
way formed of jointed rails, characterized in that the rails are immovably fixed to the piers firmly enclosed in the ground, and to an intermediate portion of the supporting structure spanning the gap between adjacent piers.

1,734,866. VALVE MECHANISM. CHARLES R. LAW, Mansfield, La., assignor to The Law Company, Incorporated, Mansfield, La., a Corporation of Louisiana. Filed Apr. 18, 1927. Serial No. 184,037. 17 Claims. (Cl. 251-66.)



1. The combination with a fluid conduit, of a casing incorporated into the conduit; a valve mechanism in the casing movable into active position to close said conduit and into inactive position to open the conduit, means in the casing having an opening and movable in concert with the valve mechanism to align its opening with the conduit when the valve mechanism is moved to said inactive position, said means comprising side frames and an intermediate annular wedge member all operatively connected with and operable by the valve mechanism.

1,734,867. INTERNAL-COMBUSTION ENGINE. DOUGLAS J. MARTIN, New York, N. Y., assignor to Martin Motors, Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 16, 1927. Serial No. 233,670. 1 Claim. (Cl. 123-51.)



In an internal combustion engine, the combination with a cylinder and an auxiliary piston in the cylinder, of a working piston within the auxiliary piston, said auxiliary piston having a displacement within the cylinder such that during the period in which the working piston moves from the top dead centre to a predetermined ignition position, the auxiliary piston is given an inward displacement through a portion of its stroke wherein its speed is greatest, the arrangement being such that the product of the area of the auxiliary piston and its displacement maintains a predetermined compression condition.

1,734,868. STOCK-FEEDING MEANS. DAVID E. MILNE, Chattanooga, Tenn. Filed Dec. 8, 1927. Serial No. 237,505. 11 Claims. (Cl. 193-43.)

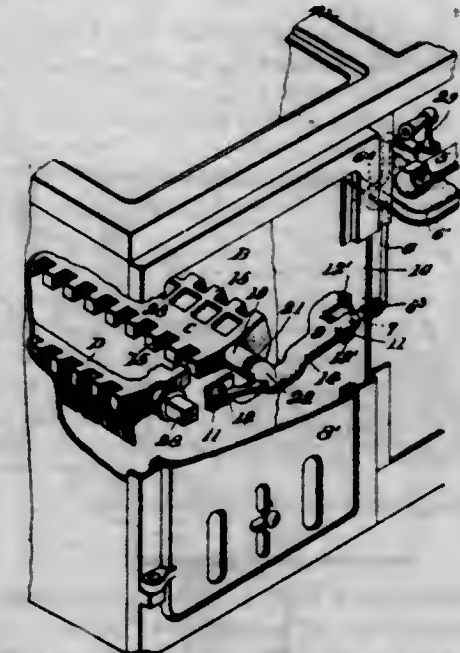
9. A return feed conveyor comprising complementary chutes extending downwardly in divergent angular relation

from adjoining upper ends of different elevations to stock receiving and gravity discharging ends, respectively, means at the adjoining upper ends of the chutes for transferring stock from one chute to the adjoining elevated end of the other chute, said chutes having guiding walls relatively adjustable laterally for different widths of stock.



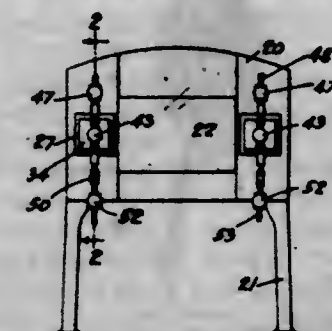
11. A return feed conveyor comprising complementary chutes extending in angular relation from adjoining connected portions supported at different elevations, means on the uppermost of said chutes to engage stock fed thereto and deflect it to the adjoining lower chute, said deflecting means presenting a deflecting surface adjustably inclined toward the adjoining lower chute.

1,734,869. COMBINED GAS BURNER AND GRATE. HENRY MORCKER, Jr., Flossmoor, and OTTO HAMMERMAISTER, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 20, 1928. Serial No. 286,894. 7 Claims. (Cl. 126-36.)



1. A combined gas and coal burning stove comprising a gas burning portion and a coal burning portion, a grate located in the coal burning portion and sufficiently shorter than the coal burning portion to accommodate a gas manifold, a support for the front end of the grate and a gas manifold located between the said support and the outer wall of the said housing and held within the housing, and a gas supply pipe communicating with the inlet end of the manifold, whereby the parts are concealed for the purpose specified.

1,734,870. RADIANT-HEAT OVEN. ALBERT W. MORSE, Long Island City, N. Y. Filed Aug. 5, 1926. Serial No. 127,350. 2 Claims. (Cl. 263-43.)



2. A heating element for an oven comprising an oil burner, a combustion chamber, a tube projecting through

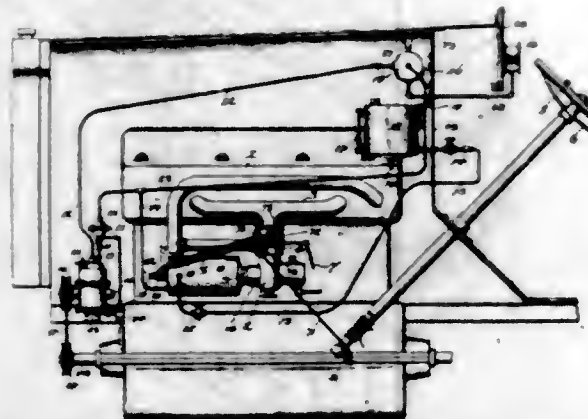
the oven adapted to become incandescent for the purpose of radiating heat, and a flange removably secured to the outside of the said oven supporting the said tube, chamber and burner, the said tube having one outlet for products of combustion externally of the said oven.

1,734,871. HEAT-TREATING OVEN. ALBERT W. MORSE, Long Island City, N. Y. Filed Sept. 2, 1926. Serial No. 133,198. 4 Claims. (Cl. 263-42.)



1. In a heat treating oven having a chamber, heat passages along the walls of the chamber, each being lined with a refractory backed with a heat insulating medium and having means for admitting a flame at one end and discharging products of combustion at the other end, and each of the passages being separated entirely from the said chamber by a wall of heat resisting material of radiant characteristics when heated, each of the said passages being adapted to reflect the heat from the flame toward the said wall of heat resisting material to increase its normal radiance.

1,734,872. HUMIDIFIER FOR INTERNAL-COMBUSTION ENGINES. FRANK L. NASH and JOSEPH E. COX, Rosemary, N. C. Filed Apr. 19, 1928. Serial No. 271,329. 6 Claims. (Cl. 123-25.)



1. The combination with an internal combustion engine having a carburetor, of a source of water; a source of compressed air for atomizing the water; a mixing chamber connected to said carburetor; a spray head axially disposed within said chamber and connected with said source of water and with said source of compressed air; and means controlled by the engine throttle for varying the amount of water supplied to said spray head.

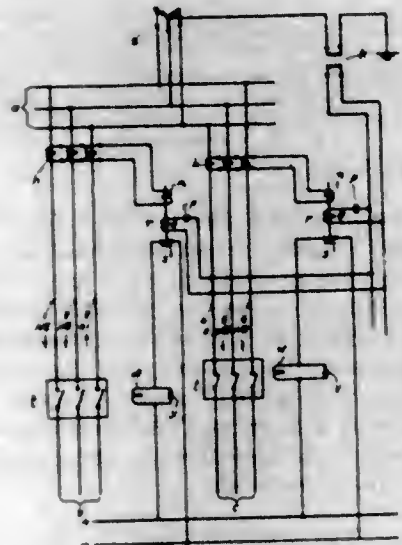
1,734,873. SHAVING BRUSH. WILLIAM M. NEISSE, Charleston, Ark. Filed Sept. 24, 1928. Serial No. 308,026. 1 Claim. (Cl. 15-194.)



A brush head consisting of an elongated strip of yieldable rubber, bristles extending the entire length of the

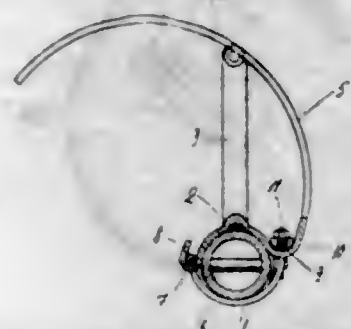
strip and having their inner ends incorporated in one edge thereof, the brush head being helically wound and positioned in a socket.

1,734,874. SELECTIVE GROUND-DETECTING RELAY. SVEN NORBERG, Valhalla, Vasteras, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Corporation of Sweden. Filed June 10, 1922. Serial No. 568,872, and in Sweden July 5, 1921. 6 Claims. (Cl. 175-294.)



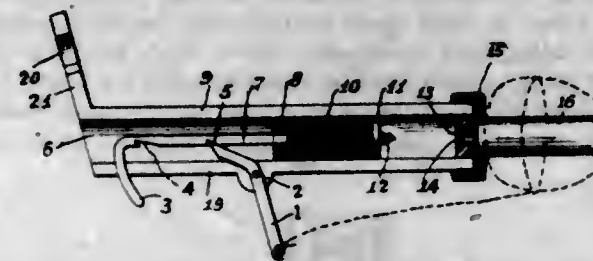
1. In an alternating current distributing system including a plurality of feeders connected to common bus-bars, a relay in one of said feeders arranged to respond to the product of only the resultant capacity-to-ground current flowing in said feeder and the voltage between the system neutral and ground, and non-responsive to the product of any resultant currents in the line, which are substantially 90° out of phase with the capacity-to-ground currents, and the voltage between the system neutral and ground.

1,734,875. HARROW OR THE LIKE WITH YIELDING PRONGS. ERNST LUDVIG PETTERSON, Arboga, Sweden. Filed Jan. 18, 1928. Serial No. 247,049, and in Sweden Feb. 17, 1927. 1 Claim. (Cl. 55-36.)



In a harrow having yielding prongs and round shafts on which said prongs are mounted, a prong having at some distance from one end a half-circular bend to receive the round shaft and said end of the prong being provided with a hook, in combination with a securing member, comprising a cross-piece engaged by said hook and connecting two screw-bolts with each other and a second cross-piece on said bend, opposite the first named cross-piece, said screw-bolts being curved from the cross-piece to their free ends, extending parallel to each other round a part of the shaft to engage the prong at a point opposite to the hook and extending through openings in the second named cross-piece, the free ends of the screw-bolts being situated on each side of the prong and having nuts bearing on the second named cross-piece for locking the screw-bolts to the prong.

1,734,876. BARRELLESS BEAR GUN. JOHN FREDERICK PRIFER, Lewistown, Mont. Filed Feb. 15, 1926. Serial No. 88,443. 1 Claim. (Cl. 43-84.)



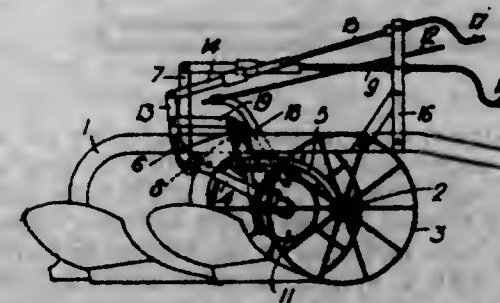
In a gun of the type described, a tubular breech having a longitudinal slot in its wall, an angular trigger pivoted in one end portion of said slot, a stationary partition in the bore of the breech adjacent said end of the slot, a rod-like hammer slidable through an aperture in said partition and having a hooked end projecting outside of the breech through said slot and also having a pair of spaced notches receiving the inner end of the trigger to hold the hammer either in a firing or a safety position, a guide on the firing end portion of the hammer movable with the latter, a spring encircling the hammer between the partition and the guide, a centrally apertured shell backing disk positioned in the forward end of the breech, a shell clamping ring threaded on the forward end of the breech to hold a shell against said disk, and a rigid apertured lug on the rear end of the breech and extending at an angle less than the perpendicular.

1,734,877. DEVICE FOR OPENING CONTAINERS, BOXES, TINS, OR THE LIKE. BOHUMIL POLAK, Praha-Karlín, Czechoslovakia. Filed Nov. 23, 1926. Serial No. 150,811, and in Czechoslovakia Apr. 28, 1926. 1 Claim. (Cl. 220-43.)



In combination a receptacle having a lid telescoping thereupon, the telescoping sides of said receptacle and lid forming an uninterrupted tightly contacting sealing zone of uniform width, the side of said receptacle being formed with a slight depression the bounds of which do not encroach upon said sealing zone, a cam device pivoted in the area of said depression at such point that it lies normally wholly below the edge of said lid, the lid engaging portion of said cam device comprising a grooved flange, the trough of whose groove is adapted to embrace the free edge of said lid adjacent said depression.

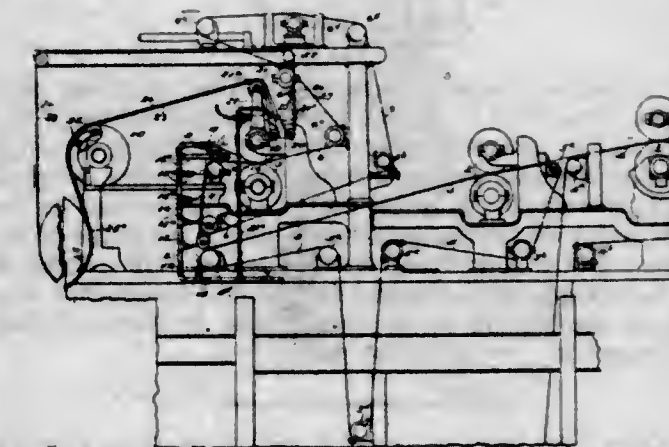
1,734,878. PLOW. OSCAR ADOLF KRISTIAN PRINZ, Overum, Sweden. Filed June 13, 1928. Serial No. 285,176, and in Sweden July 12, 1927. 3 Claims. (Cl. 97-73.)



1. In a plow, the combination with a plow frame, plow shares carried by said frame, crank axes mounted in

said frame, and wheels mounted on said crank axes, of links connecting said crank axes to each other, and an adjusting device connected to one of said links including a rotatable forwardly extending shaft provided with an operating handle on its forward end, said shaft arranged to maintain the handle in unchanged position under all conditions except for its rotation with the shaft.

1,734,879. PAPER-MAKING MACHINE. ROBERT E. READ, White Plains, N. Y., assignor to International Paper Company, a Corporation of New York. Filed Aug. 17, 1927. Serial No. 213,500. 19 Claims. (Cl. 92-49.)



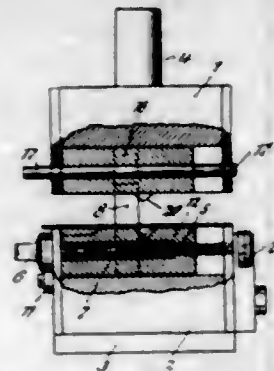
17. In a paper making machine, the combination of a press, a drier, and a pair of rope-passes extended between the press and the drier and arranged to engage the paper web at the press and take it over to the drier.

1,734,880. APPARATUS FOR REFINING CRUDE PETROLEUM. FREDERICK GARTHEWAITE RING, Winchester, Mass., and PERCY GEORGE PARIS, Bethlehem, Pa.; said Paris assignor to Bethlehem Steel Company. Filed Aug. 27, 1924. Serial No. 734,367. 4 Claims. (Cl. 196-139.)



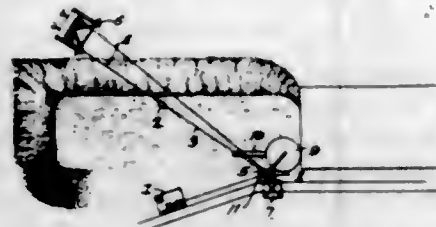
1. In a separator for removing the more volatile constituents of a preheated crude oil prior to the charging thereof into stills, the combination of a substantially closed shell body, baffles with their lateral edges upstanding to extend the passage of said preheated oil in a tortuous continuous stream therethrough, said baffles being disposed transversely in the shell with their longitudinally terminal edges in staggered relation to one another and their lateral edges in substantially vertical alignment, a heating coil to maintain said volatile constituents at their vaporizing temperature, a scrubber for the vapors evolved, an inlet means for the crude oil, and independent outlet means for each of the separated products.

1,734,881. STAMPING TOOL FOR KEYS. GUSTAV RINGELHAN, Dresden, Germany. Filed Sept. 28, 1926, Serial No. 138,325, and in Germany Oct. 2, 1925. 3 Claims. (Cl. 153-21.)



1. A tool for making keys of the kind described comprising a matrix; a patric; means for positioning a key blank in the tool; stamping members consisting of longitudinally movable recessed strips in the matrix, longitudinally movable strips in the patric, and projections on the latter strips that correspond to recesses in the strips in the matrix; and a connecting member between the strips in the matrix and in the patric for causing movements of a strip in the matrix to be accompanied by corresponding movements of a strip in the patric.

1,734,882. TRAVELING BACK ANCHOR FOR POWER HOES. WILLIAM W. SAYERS, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1925. Serial No. 18,930. 1 Claim. (Cl. 188-6.)



The combination in a traveling back anchor for power hoes, of a weighted supporting car having tractive means arranged to travel directly upon the ground and to engage the same against lateral movement; an outboard frame at one side of the car; braces pivoted to the frame for up and down oscillation; shoes at the outer ends of the braces, said shoes having means for penetrating the ground; and screws on the frame for raising or lowering said braces.

1,734,883. FISH LURE. JESSE P. SHANNON, Lake Geneva, Wis. Filed June 30, 1927. Serial No. 202,704. 7 Claims. (Cl. 43-39.)



1. A fish lure comprising a hook, including a shank having its free end extending at an angle and terminating in an eye, a connector secured to the angular end portion of the shank, a yoke swingably connected to said connector and water actuated element secured to the end of the yoke and arranged in a predetermined relation to said hook.

1,734,884. PLUG PACKER. EDWARD E. SIMPSON, Tulsa, Okla. Filed Jan. 4, 1928. Serial No. 244,514. 2 Claims. (Cl. 166-13.)

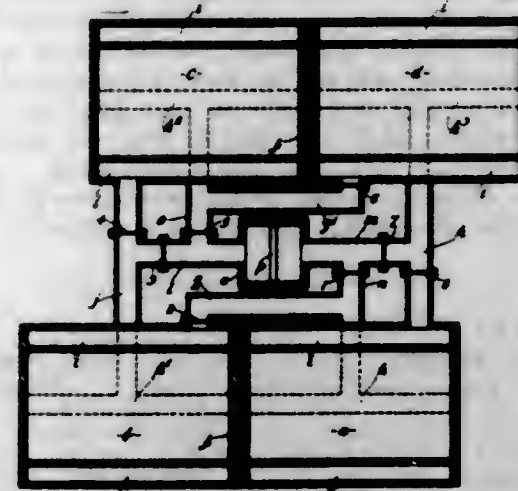
1. A packer comprising a tubular rigid body portion surmounted by an expansible tubular packing member

with the bores of said body portion and member in axial alignment, said packing member having a bore coincident with that of the body portion at its lower end enlarged thereabove to provide a shoulder, a tube lining the adjoining bores of said body portion and packing member with its upper end positioned above said shoulder and provided with a protecting sleeve and with its lower end projecting below the base of said body portion and formed to couple thereto a spacing member to position said body



determinately above the bottom of the well bore, an expanding mandrel suspending said body portion having an elongated shank at its lower end extending in the bore of and coupled to said body portion by a pin shearable by forcible relative inter-engaging movement of mandrel and packer, the mandrel above the packer in its coupled position having an outwardly tapering portion adapted to enter and expand outwardly, said packing member upon forcible interengaging relative movement shearing said pin.

1,734,885. KILN. EDWARD GEORGE SPENCER-CHURCHILL, London, England. Filed Mar. 1, 1928, Serial No. 258,367, and in Great Britain June 29, 1927. 2 Claims. (Cl. 25-135.)



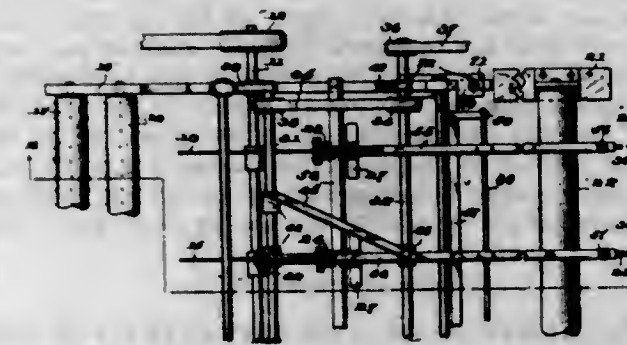
1. A construction or arrangement of kilns for burning bricks, tiles and ceramic goods wherein a number of kilns having side bag chimneys through which hot combustion gases from a furnace pass upwardly and then downwardly through the body and floor of the kiln to an outlet communicating with a system of flues interconnecting the kilns with each other and with a common chimney, the members of each pair being separated by a common end wall.

1,734,886. WINDOW FLY STOP. FERMINIO SPERANZA, Avonmore, Pa. Filed Oct. 7, 1925. Serial No. 61,080. 1 Claim. (Cl. 156-14.)



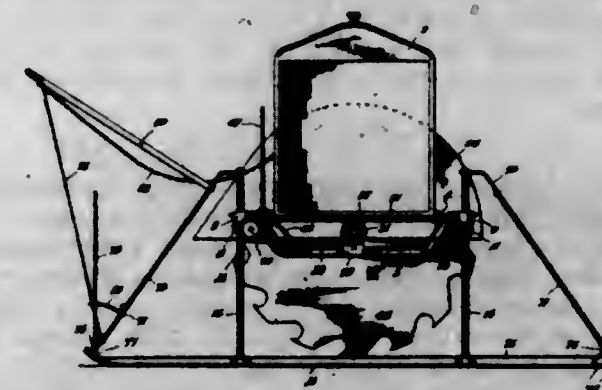
A fly stop, comprising a plate designed to be secured to the under face of an upper rail of a window sash and to terminate adjacent the glass pane in a lower sash and a roll of comparatively thin fabric secured to the outer edge of said plate, said roll adapted to frictionally engage the glass pane of a lower sash.

1,734,887. SHIFTING MECHANISM FOR EDGERS AND THE LIKE. ARTHUR L. THOMAS, North Charleston, S. C. Filed May 11, 1927. Serial No. 190,413. 6 Claims. (Cl. 143-37.)



5. In combination with an edger having a shiftable saw, and means for shifting said saw; a measuring scale, an index mounted for movement over said scale, means for moving said index to indicate the position of the saw when the latter is shifted, a sighting pointer aligned with said saw and positioned at a relatively great distance forwardly thereof, and means operable by the shifting of the saw to shift said pointer.

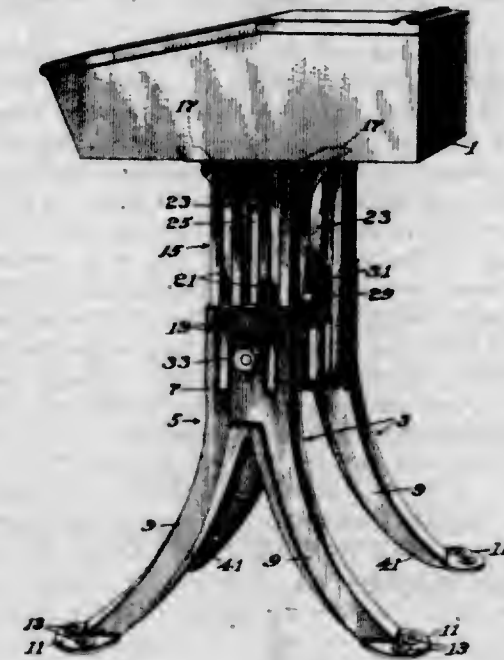
1,734,888. ICE-SAWING MACHINE. EMIL C. WELLS, North White Lake, N. Y. Filed Nov. 28, 1927. Serial No. 235,836. 4 Claims. (Cl. 262-20.)



1. In an ice-sawing machine, the combination of a portable support, an internal combustion motor mounted on the support, a rotatable saw driven by the motor, a hood secured on the support and housing the saw, and means for directing exhaust from the motor into said hood.

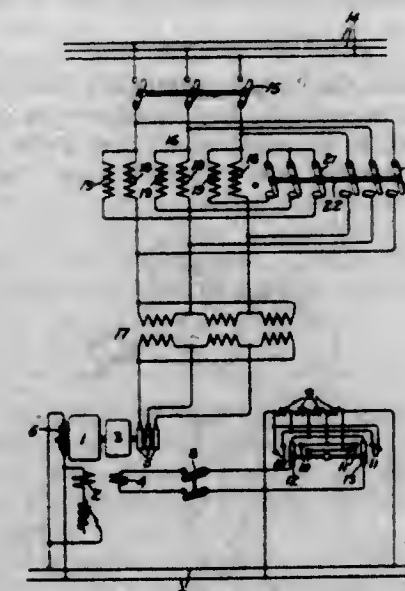
2. An ice-sawing machine comprising a plurality of threaded posts, beams extending between corresponding posts, gears swiveled in the ends of the beams and having threaded bores engaging the posts, a motor carried by the beams, a saw carried by one of the beams and driven by the motor, and means carried by the beams and operable by the motor to rotate said gears for vertically adjusting the beams upon the posts.

1,734,889. METHOD OF MAKING STANDARDS. EUGENE C. AMSDEN, Boston, Mass., assignor to Amsden & Barnard, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1926. Serial No. 127,999. 1 Claim. (Cl. 113-116.)



That improvement in the method of manufacturing standards for school furniture which consists in providing a metal blank having a body and two legs extending from one end of said body, forming flanges along edges of said legs, and without heating the metal, applying pressure progressively along and against the inner face of the flange of at least one of the legs to curve said leg and spread the ends of the legs a substantial distance apart, and providing feet at the ends of the legs.

1,734,890. SYSTEM OF DISTRIBUTION. THEOPHILUS F. BARTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 10, 1926. Serial No. 128,488. 8 Claims. (Cl. 171-115.)



1. In combination, an alternating current circuit, a directed current circuit, converting means interconnecting said circuits, means interposed between said alternating current circuit and said converting means for varying in small increments the voltage applied to said converting

means, a series regulating transformer interposed between said alternating current circuit and said converting means having stationary, primary and secondary windings for supplying a voltage substantially equal to the maximum voltage of said first-mentioned means, switching means for controlling the energization of said regulating transformer, and regulating means for said voltage-varying means.

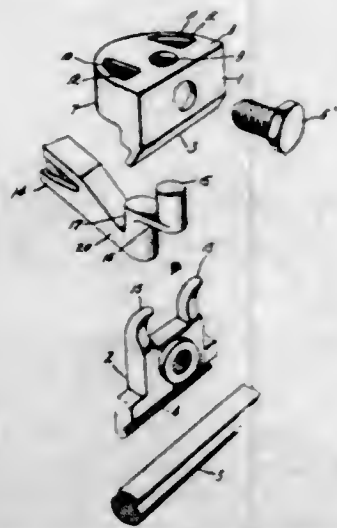
8. The method of gradually varying the voltage from a substantially constant source of supply by means of a plurality of voltage varying means effecting respectively changes of voltage in steps of substantial magnitude and changes in small steps, which comprises energization of said second mentioned means and variation of its voltage until the accumulated change effected thereby is substantially equal to the magnitude of the step possible with said first mentioned means, then energizing said first mentioned means simultaneously with the deenergization of said second mentioned means, and then adjusting said second mentioned means to its minimum voltage value and energizing it and effecting variations in voltage accumulatively with said first mentioned means.

1,734,891. ROPE HALTER. EDWARD S. BECKWITH, Albion, Nebr. Filed Nov. 13, 1928. Serial No. 319,160. 3 Claims. (Cl. 54-24.)



1. A halter having a crown piece consisting of a pair of parallel strands of rope with a loop at the extremity thereof, a plurality of clamps uniting said strands of rope, said clamps being spaced equidistantly from each other and the outermost of said clamps being spaced a like distance from the extremity of said crown piece, said halter also having a loop at the junction of the throat latch and one of the cheek pieces of said halter, and a book member secured to said last named loop and adapted to simultaneously engage said first mentioned loop and one of said clamps or to simultaneously engage two of said clamps.

1,734,892. PULL-OFF FOR TROLLEY WIRES. GEORGE W. BOWEN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 21, 1927. Serial No. 241,509. 4 Claims. (Cl. 191-40.)



1. A pull-off for trolley wires comprising a pull-off rod, two wire clamping members pivotally engaging an end of

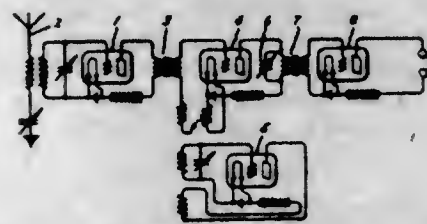
said rod, and means to hold said clamping members in assembled relation to each other and in freely pivoting relation to said rod.

1,734,893. MEANS FOR ADJUSTABLY SUPPORTING OUTLET BOXES. GEORGE CARLSON, Ansonia, Conn., assignor to General Electric Company, a Corporation of New York. Filed Oct. 25, 1927. Serial No. 228,651. 4 Claims. (Cl. 247-22.)



1. In a device of the character described, the combination of a box having a central opening, and knock-outs adjacent thereto, a fixture stud for supporting the box which has outwardly-extending members both above and below the top wall of the box, a bar receiving opening located above the level of the tops of the knock-outs, and a cut-away screw threaded shank to receive the circuit wires, the stud and members being so dimensioned with respect to the opening that the parts can only be assembled by a relative diagonal and rotary motion of the stud and box, a centrally arranged screw at the upper end of the cut-away portion of the shank for clamping it to its support, and a second screw carried by one of the members which is below the top wall of the box for clamping the box and stud.

1,734,894. METHOD OF AND APPARATUS FOR SIGNAL RECEPTION. WENDELL L. CARLSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 3, 1923. Serial No. 655,519. 14 Claims. (Cl. 250-20.)



1. The method of signal reception which consists in combining a received continuous wave signaling current with a local source of oscillations of approximately half the frequency of the signaling current but of materially greater voltage, and impressing the combined current upon a detector having a non-linear, symmetrical characteristic.

1,734,895. BRUSH SUPPORTING AND ADJUSTING MEANS FOR VACUUM CLEANERS. ANTHONY C. CERMAK, Chagrin Falls, Ohio, by Mabel Arline Cerma, guardian, Chagrin Falls, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a Corporation of New York. Filed Jan. 28, 1928. Serial No. 250,203. 9 Claims. (Cl. 15-8.)



1. In a vacuum cleaner, the combination of a nozzle, a rotary brush located within the nozzle, bearings for the

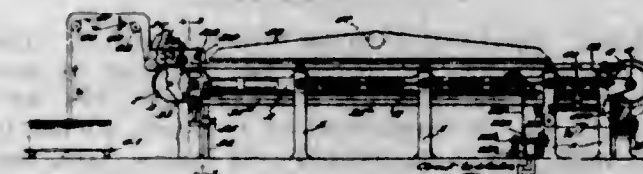
ends of the brush, and hangers for the bearings each of which comprises a pivoted support carried by an end wall of the nozzle, the axis of which is eccentric to that of the brush axis, means for turning the support on its axis, means for holding the support in adjusted position, a pair of members arranged to engage a bearing, one of said members being rigidly secured to the support, and means for moving the members toward each other to hold the bearing.

1,734,896. ART OF MAKING TEXTILES AND TEXTILE ARTICLES. SANFORD L. CLUETT, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a Corporation of New York. Filed Aug. 2, 1928. Serial No. 296,976. 17 Claims. (Cl. 26-54.)



1. That method of treating textile fabric of a type suitable for collars, shirts, and the like and whose constituent yarns possess substantially the normal amount of crinkle resulting from the weaving operation, which comprises stretching the material in the direction of one of its constituent sets of yarns, while leaving the other set substantially free from longitudinal tension, with sufficient force to cause the sets of yarns by rearrangement to assume a mutual relationship such as substantially to prevent subsequent shrinking in the direction of said second set of yarns.

1,734,897. DEVICE FOR SHRINKING CLOTH. SANFORD L. CLUETT, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a Corporation of New York. Filed Jan. 16, 1929. Serial No. 332,919. 18 Claims. (Cl. 26-57.)

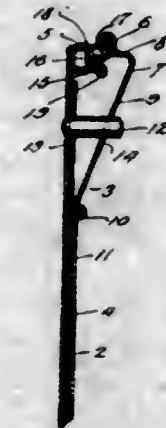


1. Machine for treating textile webs having in combination edge carriers adapted to hold the web against lateral stresses and to permit the web to yield to shortening or longitudinal shrinking stresses, means for moving the carriers in paths having mutually divergent portions for lateral stretching, and means for feeding web to said edge carriers in a longitudinally slack condition, permitting the web to shorten longitudinally.

1,734,898. LOOSE-LEAF BINDER. ISIAH CONRAD, Columbus, Ohio, assignor to F. O. Schoedinger, Columbus, Ohio. Filed Sept. 20, 1928. Serial No. 307,194. 6 Claims. (Cl. 129-5.)

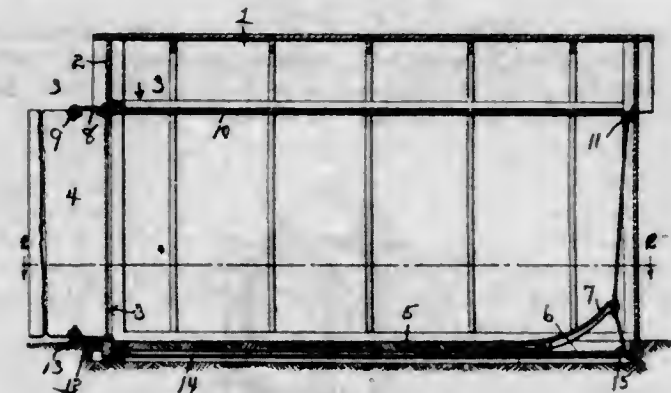
6. In a loose leaf binder, a back member, a gripping member hinged at one end to said back member, an elongated metallic strip carried by said back member and hav-

ing its outer free edge portion arranged parallel to the hinge between said members, a tongue carried by said gripping member and projecting inwardly so as to engage



with the outer free edge of said strip, so as to impart stress to said gripping when it is moved to assume a clamping position with relation to said back member.

1,734,899. MECHANISM FOR AUTOMATICALLY OPENING AND CLOSING GARAGE DOORS. EMIL R. FRANK, Sioux City, Iowa, assignor of one-third to Wesley D. Gamel, Sioux City, Iowa. Filed Jan. 25, 1928. Serial No. 249,319. 1 Claim. (Cl. 268-35.)

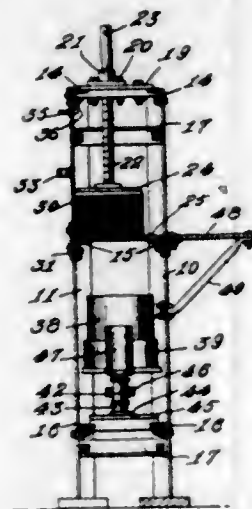


In combination with a garage building having hinged doors and spaced apart recesses in the floor at a distance from the doors, upwardly curved ramp plates pivoted intermediate their ends in said recesses to have a rocking movement therein, that part of the ramp plates immediately above the pivots being on a plane approximately with the floor of the garage, and each of said plates having a rib at its underside terminating in an eye, bell-crank levers pivoted to the door frame at the upper and lower ends of the doors and connected thereto for opening and closing the same, and cables connected to the eyes of the ramp plates and extending in opposite directions therefrom to the aforementioned bell-crank levers at the upper and lower ends of the doors respectively.

1,734,900. LEADING-IN WIRE FOR GLASS VESSELS. ERNST FRIEDERICH, Berlin, Germany, assignor, by mesne assignments, to General Electric Company, a Corporation of New York. Original application filed Aug. 30, 1921. Serial No. 496,943, and in Germany Feb. 10, 1916. Divided and this application filed Oct. 29, 1924. Serial No. 746,713. 5 Claims. (Cl. 178-36.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)

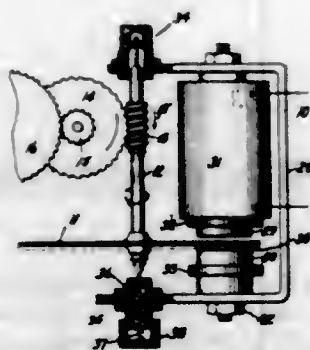
1. An alloy adapted to be used as a lead-in wire, said alloy having substantially the same coefficient of expansion as glass and consisting largely of an element of a group consisting of the metals iron and manganese but containing appreciable amounts of at least two metals of a group consisting of tungsten, molybdenum and cobalt.

1,734,901. PRESS FOR PAPER TABLETS. STANLEY S. GERRIE, Sault Ste. Marie, Mich. Filed May 10, 1926. Serial No. 108,178. 3 Claims. (Cl. 11—1.)



1. In a device of the class described, a main frame, a platform therein, a screw and a platen carried by the screw and movable toward and away from the platform by said screw, a board slidable longitudinally of one edge of the platform and extending perpendicularly thereof, mounting means permitting the sliding movement, and means for securing the board in an adjusted position.

1,734,902. ELECTRICALLY-WOUND CLOCK. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Nov. 18, 1927. Serial No. 234,265. 6 Claims. (Cl. 58—41.)

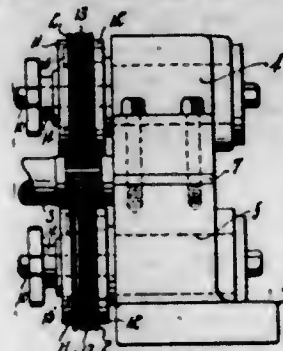


1. In a spring driven clock movement, a driving spring and means for maintaining said spring wound to a uniform tension comprising an induction motor having a stationary field member with spaced pole pieces separated by an air gap, an armature member mounted for rotation within said air gap, a shaft on which said armature member is mounted, guide bearings for said shaft which permits limited endwise movement thereof, a worm gear mounted on said shaft and meshing with a gear wheel for winding up said spring, the arrangement producing an endwise thrust on said shaft as the spring is being wound, yielding means for opposing endwise movement of said shaft, the parts being adjusted so that the armature member moves against one of the adjacent pole pieces to brake the motor when the end thrust exceeds a predetermined amount.

1,734,903. METHOD OF FORMING WINDOW-REGULATOR GEAR MEMBERS AND APPARATUS THEREFOR. MILES G. HANSON, Toledo, Ohio, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 23, 1925. Serial No. 70,877. 9 Claims. (Cl. 80—16.)

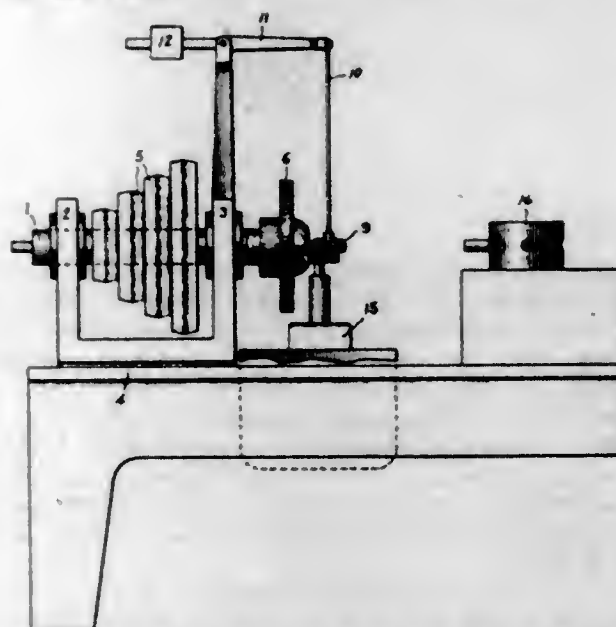
7. The method of rolling teeth upon a blank including moving a tooth-forming die and a blank having roughed out teeth relatively toward and into engagement with each

other, rotating the die prior to and during its engagement with the blank whereby the roughed out teeth are properly meshed with the teeth of the die and rolled, and imposing



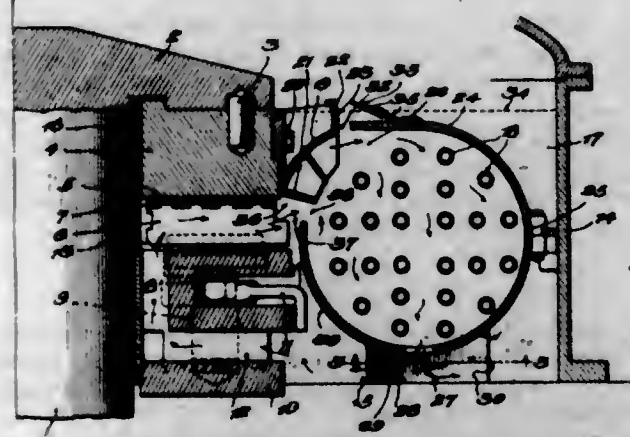
a force upon the periphery of one of the members acting in a direction opposite and substantially equal to that exerted by the other member.

1,734,904. APPARATUS FOR SHAPING SILICA. HERBERT P. HOLLNAGEL, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 23, 1927. Serial No. 200,999. 1 Claim. (Cl. 49—78.1.)



An apparatus for shaping silica comprising a rotatable mold having a central opening, means for supplying silica through said opening, means for heating said silica to plasticity, and means for flowing the plastic silica over said mold during rotation thereof.

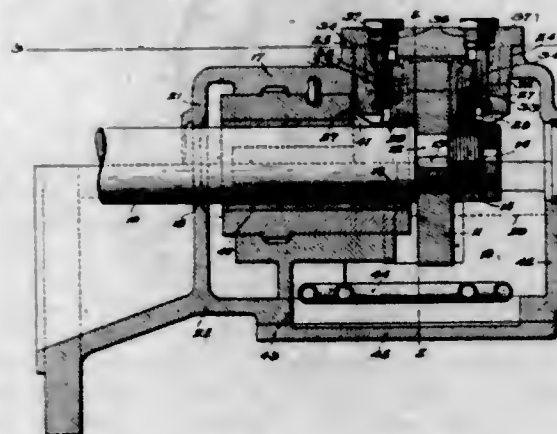
1,734,905. COOLING SYSTEM FOR BEARINGS. HARRY A. S. HOWARTH, Pittsburgh, Pa., assignor, by mesne assignments, to Kingsbury Machine Works, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 24, 1919. Serial No. 347,084. 53 Claims. (Cl. 308—160.)



1. In a bearing, in combination with a rotatable bearing member and a stationary bearing member, means for

supplying the bearing surfaces of said members with oil, a cooling coil for said oil, and means associated with the rotatable bearing member and acting on the oil as it leaves the bearing surfaces for directing the oil into heat interchanging relation with said coil.

1,734,906. BEARING. HARRY A. S. HOWARTH, Philadelphia, Pa., assignor, by mesne assignments, to Kingsbury Machine Works, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Sept. 1, 1922. Serial No. 585,677. 24 Claims. (Cl. 388—160.)



1. A thrust bearing for horizontal or inclined shafts including the combination of a rotatable thrust collar, a housing therefor provided with an aperture, a closure member for said aperture, a bearing shoe carried by and removable with said closure member, said shoe being mounted on said closure member in cooperative relation with said thrust collar, and means on said closure member to engage said shoe laterally for removal thereof.

1,734,907. BRUSH-SHIFTING DEVICE. JOHN I. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 13, 1928. Serial No. 305,763. 7 Claims. (Cl. 172—274.)



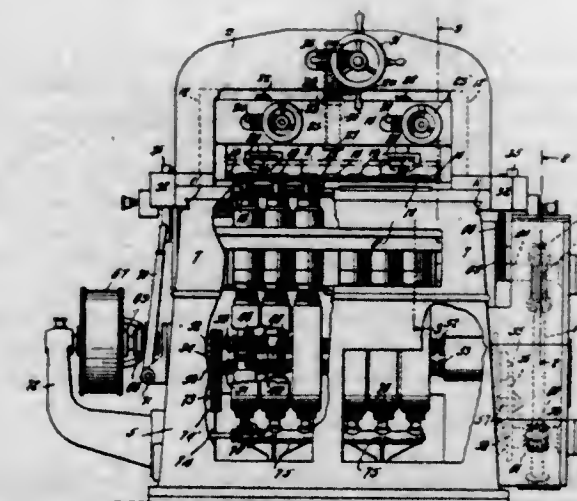
1. A brush shifting mechanism for a dynamo electric machine comprising two adjustable brush yokes, two adjusting means for said brush yokes pivotally connected, a stationary cam, and means for moving said pivoted connection of the adjusting means around the contour of said cam.

2. A brush shifting device for a dynamo electric machine comprising two adjustable brush yokes, two adjustable means pivotally connected together for moving said yokes, a reversible operating member pivotally connected to said adjustable means at their pivot connection, and a supporting plate with a groove for guiding said pivoted connection.

4. In combination, an alternating current motor provided with a primary winding and a commutated regulating winding on the rotor and independent secondary windings on the stator, a brush shifting device for the said motor comprising two adjustable brush yokes, each yoke supporting brushes connected to the corresponding ends of the secondary windings, driving means associated with

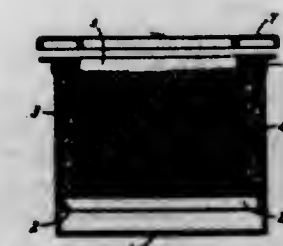
said brush yokes, a reversible operating member for moving said driving means, means for guiding said driving means when moved by the operating member so that the angular velocity of one brush yoke decreases while the other increases over a portion of the regulating range, and an additional operating member for moving said driving means independently of the position of the first mentioned operating member.

1,734,908. METHOD OF MACHINING COMPRESSION RECESSES IN CYLINDER HEADS. CARL F. JEFFRIES, Royal Oak, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 13, 1926. Serial No. 101,803. 17 Claims. (Cl. 90—15.)



1. The method of machining compression recesses of tapered depth in cylinder heads, which consists in cutting the recess wall along a closed path wherein the cutting begins and ends at the shallower part of the recess, and undercutting the recess wall around the deeper part of the recess while cutting said wall along said path.

1,734,909. ELECTROPLATING TANK. CHARLES E. JONES, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 15, 1925. Serial No. 62,619. 4 Claims. (Cl. 204—4.)

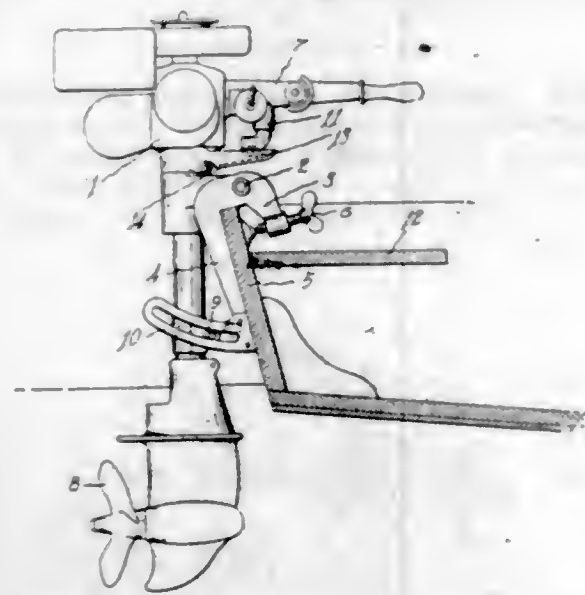


1. In combination, a metal tank adapted to contain an electrolyte, an anode structure adapted to cooperate with said electrolyte, said anode structure including a plurality of metallic particles and a wire mesh retaining means, said wire mesh being connected to opposite sides of said tank and in electrical contact therewith, and means whereby current may be supplied to the walls of said tank.

1,734,910. DRIP PAN FOR OUTBOARD MOTORS. DON W. KING and FINN T. IRENS, Jackson, Mich., assignors, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich., a Corporation of Michigan. Filed July 5, 1928. Serial No. 290,805. 4 Claims. (Cl. 204—4.)

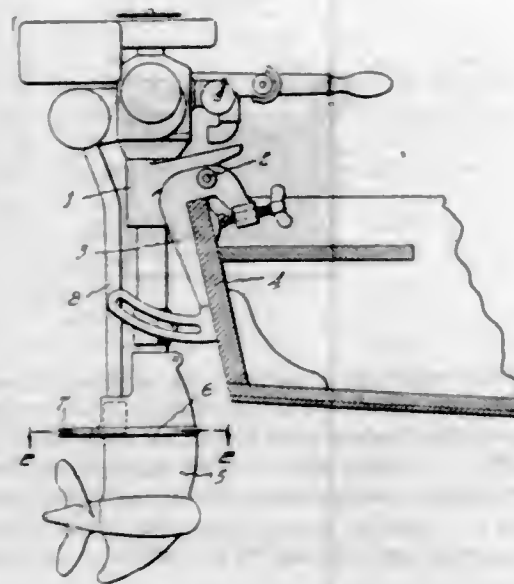
1. In an outboard motor having a carburetor, a clamp, and a drip pan supported beneath said carburetor and

having an outlet, the relation of said carburetor, clamp and drip pan being such that when the clamp is applied



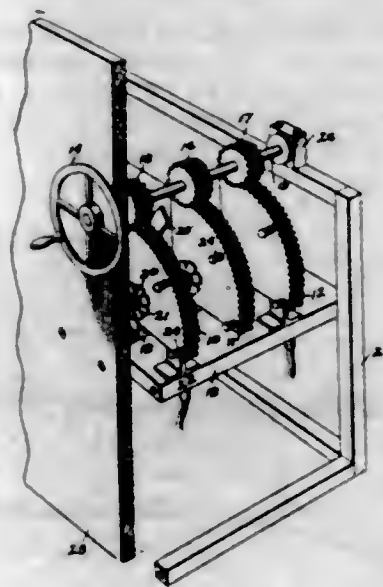
to the stern of a boat, the carburetor lies over said stern and the outlet is positioned to discharge outside of said stern.

1,734,911. ANTICAVITATION PLATE FOR OUTBOARD MOTORS. DON W. KING and ARTHUR L. LOCKWOOD, Jackson, Mich., assignors, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich., a Corporation of Michigan. Filed July 5, 1928. Serial No. 290,306. 6 Claims. (Cl. 115-17.)



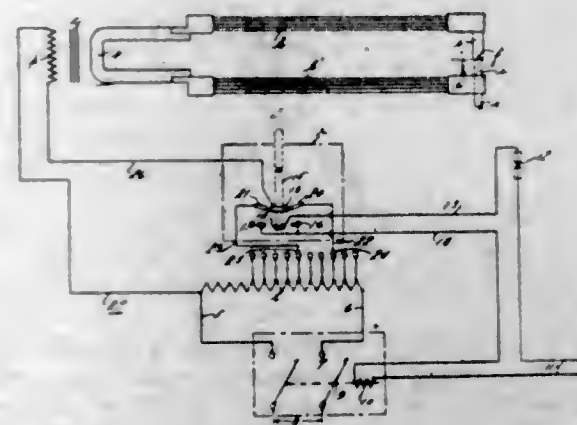
1. In an outboard motor construction, an anti-cavitation plate adapted for submersion, a mouth in said plate, and an exhaust pipe from said motor connected to said mouth.

1,734,912. ELECTRIC SWITCH. HENRY W. LYON, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed Nov. 5, 1927. Serial No. 231,359. 7 Claims. (Cl. 200-15.)



1. An electric switch comprising cooperating relatively movable current conducting members, one of said members having gear teeth formed therein, and operating means for effecting relative movement of the members including a toothed gear element in mesh with the teeth formed in said one movable current conducting member.

1,734,913. METHOD AND APPARATUS FOR ELECTRICALLY HEATING ARTICLES. HORACE E. NORMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed July 14, 1927. Serial No. 205,728. 5 Claims. (Cl. 219-11.)

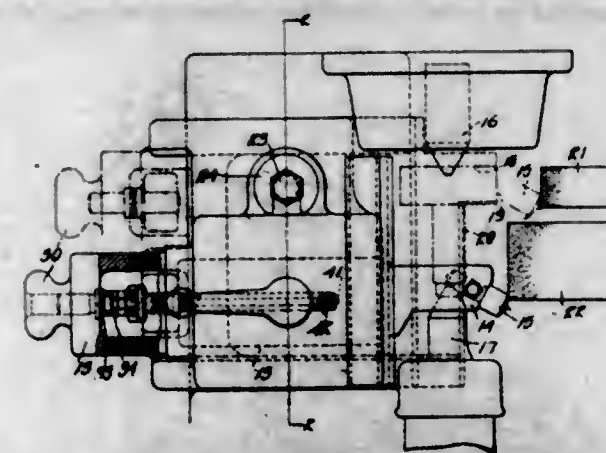


1. The method of electrically heating articles of the class in which the resistance increases with the temperature, which consists in applying an initial voltage to the articles and, after the voltage across the terminals of the article has risen to a predetermined degree, reducing the voltage applied thereto.

1,734,914. WHEEL-TRUING FIXTURE. CONRAD L. OTT, Waynesboro, Pa., assignor to The Landis Tool Co., Waynesboro, Pa., a Corporation. Filed Mar. 10, 1928. Serial No. 260,622. 4 Claims. (Cl. 125-11.)

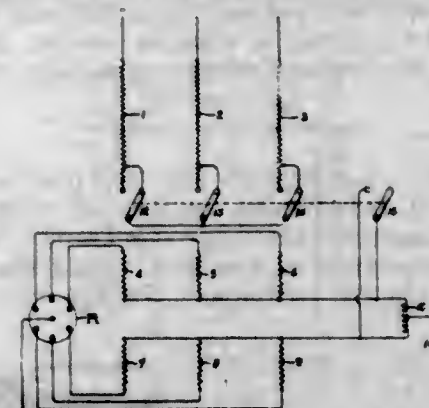
1. A wheel truing fixture comprising a base, a slide removably mounted thereon, a plunger in said slide, a dress-

ing tool carried by said plunger, resilient means for urging said plunger in a fixed forward position for dressing one wheel, and a block movable to engage a portion of the



plunger to hold it in a position back of the fixed position to dress a wheel of a diameter greater than that of the first named wheel, substantially as set forth.

1,734,915. MERCURY ARC RECTIFIER SYSTEM. JOHN C. READ, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Aug. 28, 1928. Serial No. 302,571, and in Great Britain Sept. 15, 1927. 6 Claims. (Cl. 175-303.)



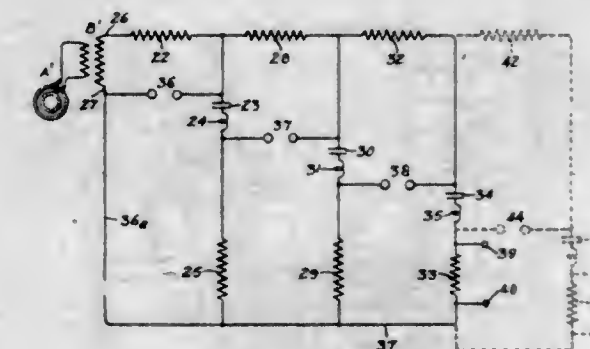
1. The method of preventing a rise of the direct current voltage at no-load in a mercury arc rectifier system including a power transformer provided with secondary windings separated into groups and connected to the anodes of the rectifier and an interphase transformer connected between said groups, which consists in short-circuiting the interphase transformer at a predetermined load and simultaneously decreasing the voltage impressed upon said anodes.

1,734,916. COMBINED ELECTRICAL SWITCH AND FUSE. HARRY RODIN, Cleveland, Ohio, assignor of one-half to Herman E. Kohen, Cleveland, Ohio. Filed Nov. 2, 1927. Serial No. 230,622. 1 Claim. (Cl. 200-50.)



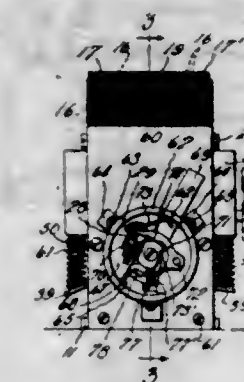
A combined electrical switch and fuse comprising a housing, a socket for the reception of a threaded fuse plug in said housing of a depth to cause the head of the fuse plug to be located without the housing when the plug is in position, a switch in said housing, an operating member for the switch disposed in close proximity to the head of the fuse plug when the switch is closed, and a cover for the fuse plug pivoted between the operating member and the socket and capable of being raised only when the switch is in open position, substantially as set forth.

1,734,917. ELECTRIC DISCHARGE DEVICE. FRANK W. PEEK, Jr., Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1928. Serial No. 328,752. 5 Claims. (Cl. 171-97.)



1. In a discharge device, a source of alternating current, a plurality of condensers, each in a separate branch circuit, each branch circuit containing in series with the condenser, an impedance, said branches being connected each in series with said source whereby said condensers may be charged in multiple, and means for connecting all of said condensers in series with an impedance, all of said impedances save the last one mentioned, and said source of alternating current, being located outside of said series circuit whereby said condensers may be discharged in series for producing an impulse discharge between the terminals of said impedance in said series circuit.

1,734,918. MAGNETO. WALTER S. ROBINSON, Jr., Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a Corporation of Massachusetts. Filed Jan. 6, 1928. Serial No. 244,931. 7 Claims. (Cl. 123-149.)

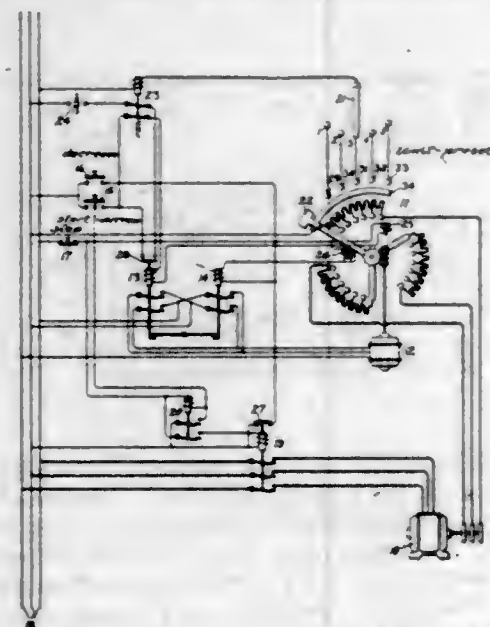


1. The combination with the armature of a magneto and the drive shaft from which movement of the armature is effected, of breaker point mechanism including cooperating and relatively movable breaker points, means carried by the armature and operable when said mechanism and means are positioned in a certain relationship to periodically separate the breaker points, means on said drive shaft operable when said mechanism and first named means are positioned in another relationship to periodically separate said breaker points, and means for effecting a relative displacement between both said means and said mechanism to effect one or the other of the aforesaid relationships and cause the breaker points to be separated by either the first-named or the second-named means.

1,734,919. MOTOR CONTROLLER. CARL F. SCOTT, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Continuation of application Serial No. 141,185, filed Oct. 12, 1926. This application filed Mar. 7, 1928. Serial No. 259,818. 6 Claims. (Cl. 172-179.)

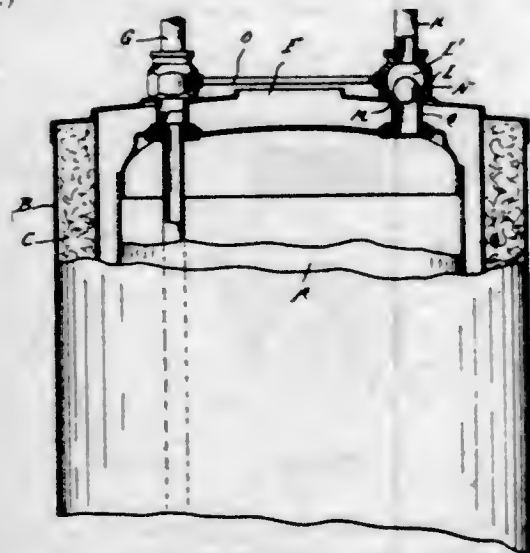
4. In a system of motor control means for varying the speed of a main driving motor between predetermined

limits including an "increase" button, a "decrease" button and a motor operated speed controlling rheostat controlled thereby, a limit-preset switch cooperating with



said "increase" button and connections by means of which the speed to which the said motor may be increased by said "increase" button is limited to a value intermediate said limits.

1,734,920. HOT-WATER SYSTEM. FRANK W. SHUELL, Detroit, Mich., assignor to Everhot Heater Company, Detroit, Mich., a Corporation of Michigan. Filed July 12, 1926. Serial No. 121,927. 10 Claims. (Cl. 137-79.)

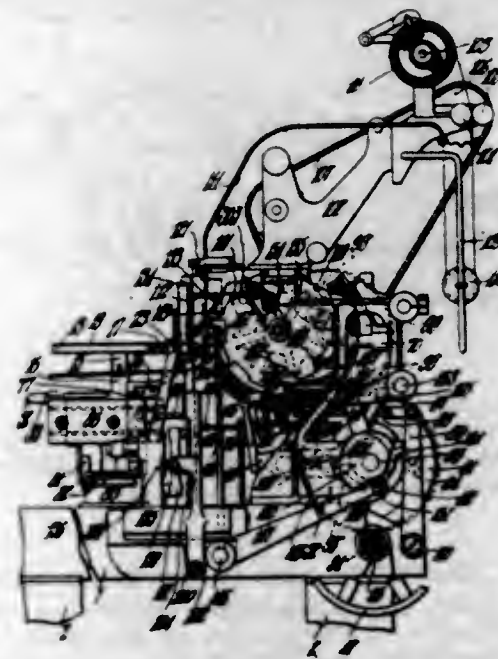


1. In a fluid distributing system, the combination with a fluid supply, of means for changing the temperature of said fluid so connected to said fluid supply as to be constantly under pressure, a delivery conduit, a by pass conduit between said fluid supply and delivery conduit and means for preventing withdrawal of the fluid from said temperature changing means when the demand of said delivery conduit is below a predetermined amount, and means being automatically operated to permit said withdrawal at higher demands.

1,734,921. WRAPPING MACHINE. ELMER L. SMITH, Springfield, Mass., and HORACE J. PAYNTER, South Orange, N. J., assignors to Package Machinery Company, Springfield, Mass., a Corporation of Massachusetts. Original application filed Aug. 31, 1921, Serial No. 497,311. Divided and this application filed Apr. 29, 1926. Serial No. 105,453. 14 Claims. (Cl. 93-7.)

1. In a machine of the class described, wrapping mechanism comprising a folding recess for receiving an article

and a wrapper, means for positioning a wrapper, a support for articles to be wrapped and article grippers for yieldingly embracing opposite ends of an article and for transferring an article and wrapper from said support into



said pocket, said article grippers presenting edges in contact with said wrapper as it is carried into said pocket and means for pressing a wrapper against said article grippers as a wrapper and article are transferred into said pocket.

1,734,922. KEYBOARD MECHANISM FOR TYPOGRAPHICAL MACHINES. SAMUEL E. SPERRY, Hollis, N. Y., assignor to Intertype Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1928. Serial No. 263,201. 3 Claims. (Cl. 199-25.)

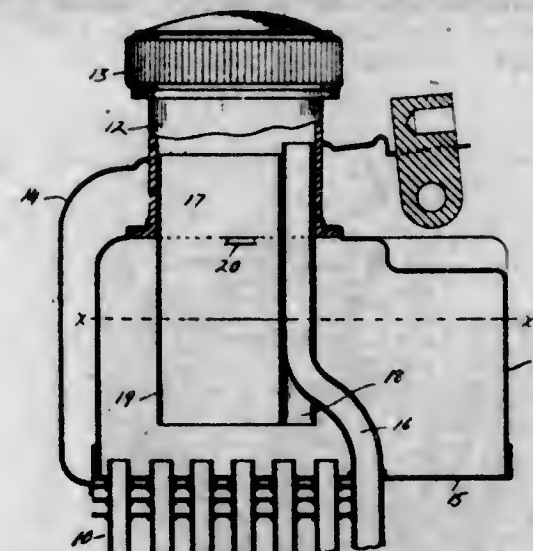


1. Keyboard mechanism for typographical machines comprising a supporting frame having sides, cam yokes mounted in said frame between the sides thereof, and a cam roller below said cam yokes and extending between the sides of the frame for actuating said cam yokes, bearing means for removably supporting said roller comprising a bearing bushing fixed on one side of said frame to axially receive and support one end of said roller, a bearing at the lower edge of the opposite side of said frame and open at the bottom, a removable bearing bushing for the roller movable with the roller axially of said open bottom bearing and also movable vertically into and out of said open bottom bearing, and means for detachably securing said removable bushing in said open bottom bearing.

1,734,923. RADIATOR. ARTHUR L. SWANK, Detroit, Mich., assignor to Long Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 22, 1924. Serial No. 757,535. 7 Claims. (Cl. 257-25.)

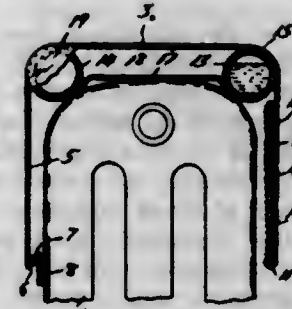
1. The combination with a radiator having a filler overflow tube and tank, of a tube insertable within the filler

and extending below the normal water level of the tank for substantially preventing escape of steam from said



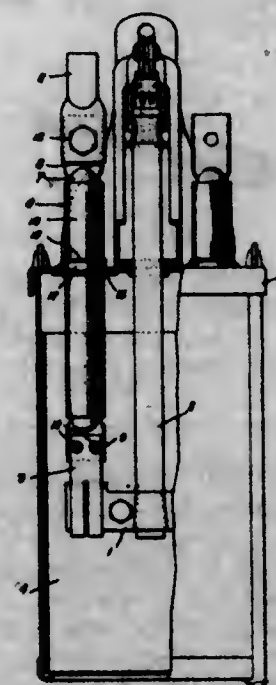
tank, said tube provided with a slit affording relief for excessive pressure in said tank and with a groove for positioning said overflow tube.

1,734,924. RADIATOR WALL SHIELD. HENRY G. SWEITZER, Detroit, Mich. Filed Mar. 7, 1927. Serial No. 173,498. 5 Claims. (Cl. 237-79.)



1. A device of the class described including in combination, a shield adapted to seat upon a radiator and having openings therein for the passage of air, and means for screening the air passing through said openings including a pad of steel wool positioned upon said shield.

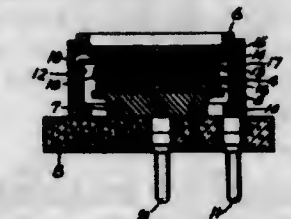
1,734,925. CIRCUIT CONNECTER. GEORGE H. TOVEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 18, 1925. Serial No. 30,935. 4 Claims. (Cl. 200-150.)



1. In combination, a supporting member, a terminal member comprising a conducting tube extending through

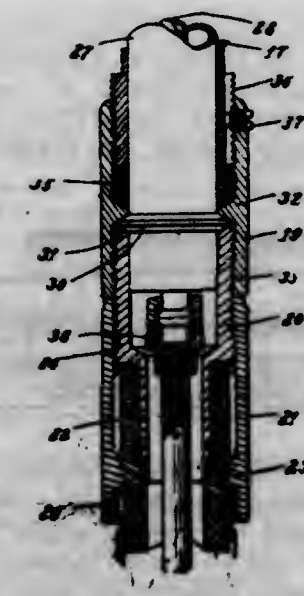
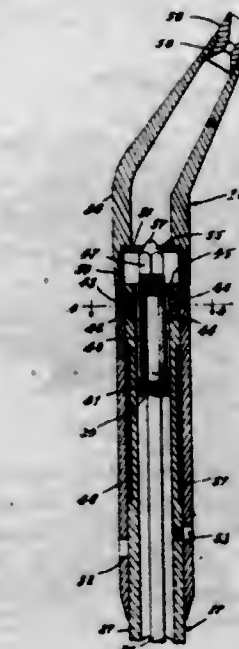
said supporting member, insulation surrounding and engaging the tube, and means for securing said terminal member to said supporting member comprising a ring surrounding the insulation on the tube and contracted to deform both the tube and the insulation thereon.

1,734,926. PIEZO-ELECTRIC DEVICE. AUGUSTUS B. TRIPP, Cliftondale, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 6, 1926. Serial No. 120,760. Renewed Jan. 7, 1929. 4 Claims. (Cl. 171-327.)



1. The combination of a pair of electrodes, a plurality of piezo electric elements mounted face to face between said electrodes, and means for connecting said elements between said electrodes in parallel with one another.

1,734,927. SPRAY-MIST WASHING APPARATUS. JOHN H. TRITZ, Clinton, Iowa, assignor to Cotta Transmission Corporation, Rockford, Ill., a Corporation of Illinois. Filed Sept. 9, 1926. Serial No. 134,428. 10 Claims. (Cl. 299-140.)



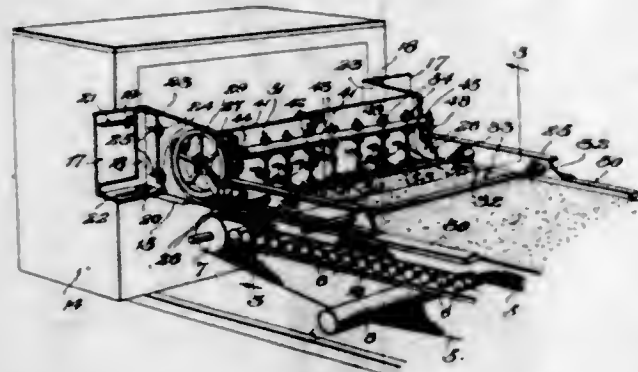
1. In a liquid spraying device, an external metallic tubular section, an internal metallic tubular section co-

axially disposed with respect thereto, a hollow plug element connected with said internal section having a spider portion for co-axially aligning the internal section with the external section and having a bearing portion rotatably supported within said external section, both said spider portion and said bearing portion permitting the passage thereby of fluid through said external section, a nozzle mounted on the outer end of said plug and having an outer tapered discharge end, and a second nozzle swiveled on the external section and providing a discharge port in register with the tapered discharge end of the first mentioned nozzle, said second nozzle being arranged when turned with respect to said external section to vary the relationship of said port to said first nozzle, and said external section being arranged to turn with respect to the internal section without affecting the relationship of said port to said first nozzle.

1,734,928. TREATMENT OF MALLEABLE CASTINGS. IRVING R. VALENTINE, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed May 20, 1926. Serial No. 110,546. 16 Claims. (Cl. 148—13.)

4. The method of treating malleable cast iron which comprises applying a copper coating to the casting, superimposing a zinc coating on the said copper coating, and ageing the casting at a temperature above 100° C. but lower than the temperature at which the zinc coating will peel.

1,734,929. PAPER-MAKING MACHINE. JOHN WARREN VEDDER, Worcester, Mass. Filed June 28, 1926. Serial No. 119,151. 36 Claims. (Cl. 92—45.)



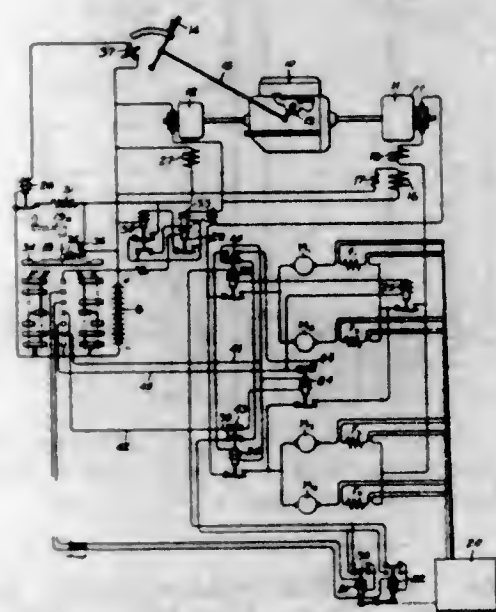
1. In a Fourdrinier paper-making machine, the combination with the endless wire, of single reach deckle straps supported by the wire and extending along the same for a portion only of the length of the forming surface of the wire, and means for adjusting said deckle straps laterally of the machine.

1,734,930. TEMPERATURE-STABILIZED SHAFT FOR TURBINES AND METHOD OF MAKING THE SAME. SIMON H. WEAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1927. Serial No. 241,992. 9 Claims. (Cl. 148—1.)



1. A forged turbine shaft having the axis about which it rotates in substantial coincidence with the axis of the chemical segregation of the mass of which it is composed and which is free of surface strains incident to the finishing machine operations, whereby the shaft is free of objectionable radial deflections when subjected to operating temperatures.

1,734,931. INTERNAL-COMBUSTION ELECTRIC DRIVE. LEWIS W. WEBS and BERNARD WOODWARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Mar. 23, 1926. Serial No. 96,834. 7 Claims. (Cl. 290—17.)



2. In a system of the character described, the combination of an engine, controlling means for varying the operating speed of the engine, an electric generator driven by the engine, a plurality of electric driving motors, a controller having an off position and a plurality of operative positions for controlling the interconnection of said motors in a plurality of speed relations and the connection of the generator therewith, electroresponsive latch mechanism for preventing operation of said controller from a plurality of its positions and a switch associated with said engine speed controlling means for simultaneously effecting the excitation of the generator and operation of said latch mechanism to prevent operation of said controller from each of said plurality of positions when the said engine speed controlling means is operated to increase the engine speed above a predetermined value.

1,734,932. WELD ROD AND METHOD OF MAKING THE SAME. JAMES M. WEED, Ballston Lake, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 27, 1927. Serial No. 229,252. 11 Claims. (Cl. 219—8.)

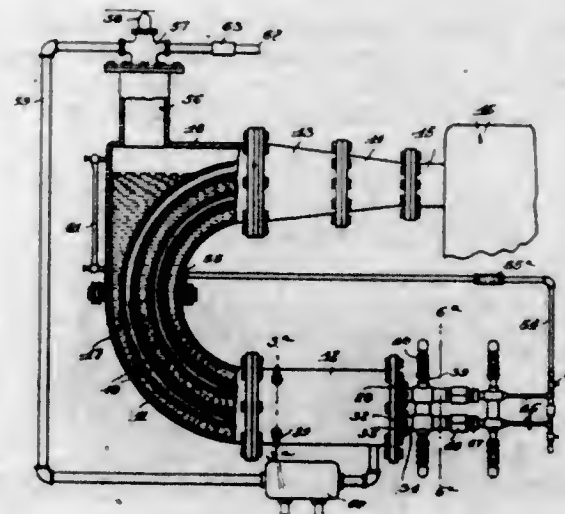


1. An internally fluxed weldrod of the cored type comprising a single metallic strip whose two edges engage opposite sides of a central portion thereof constituting a core with which they form a plurality of oppositely disposed seams.

1,734,933. COMBUSTION GENERATOR. ARTHUR SHALER WILLIAMS, Ithaca, N. Y. Filed Oct. 14, 1922. Serial No. 594,671. 15 Claims. (Cl. 60—45.)

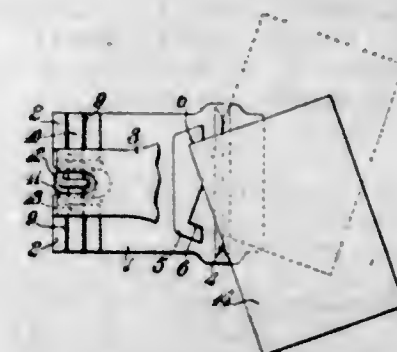
1. In apparatus of the character described, the combination of a plurality of combustion chambers arranged in multiple, a common water jacket enclosing said plurality of chambers to afford maximum radiation and strength with minimum size of parts, means securing the jacket ends to the corresponding chamber ends, said chambers and jacket being curved between the ends thereof to

provide for expansion and contraction between the intermediate portions thereof, nozzle means for each chamber for injecting therein a continuous supply of a combustible



mixture, ignition means for said mixture and a common means for delivering the products of combustion to means to be operated thereby.

1,734,934. SPLITTING DEVICE. WADE H. WINEMAN, Michigan City, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Aug. 22, 1927. Serial No. 214,705. 4 Claims. (Cl. 125—23.)



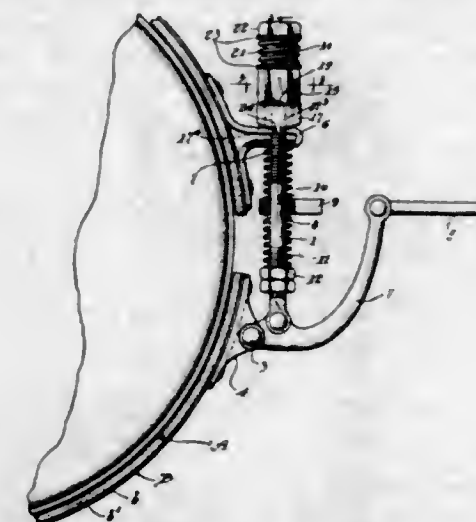
1. A device for cutting bricks along a predetermined line comprising a base portion, a cutting edge projecting therefrom, means for positioning a brick in a predetermined relation to said cutting edge comprising an upstanding portion on said base rearwardly of said cutting edge and having a plurality of angular recesses therein adapted to receive a corner of the brick to be cut, a pivotally mounted cutter arm having a cutting edge adapted to be positioned opposite to said first mentioned cutting edge, and a striking portion on said arm.

1,734,935. BRAKE MECHANISM. GUY JOHN ZACCONE, Chicago, Ill. Filed July 28, 1928. Serial No. 295,893. 12 Claims. (Cl. 188—79.5.)

1. Brake mechanism comprising a brake band, a link which connects the ends of said brake band, and means for varying the operative length of said link and size of said brake band, comprising a nut having screw-thread engagement with said link and which bears upon a rigid part of said brake band, a shank on said nut, a sleeve fitted to the shank of said nut so as to be movable endwise thereon, means preventing relative rotation of said sleeve and shank, a member provided with a hole to receive the

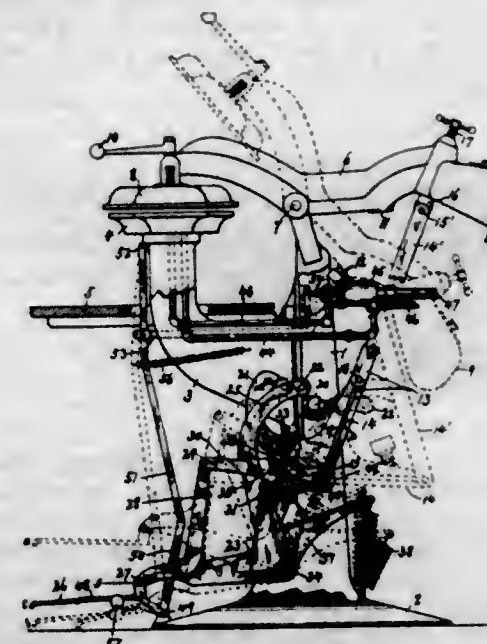
388 O. G.—18

nut threaded to said link against which an end of said sleeve abuts, means adapted to prevent rotation of said



member, and means which connect said sleeve and member adapted to secure the same from relative turning movement in operation.

1,734,936. GARMENT-PRESSING MACHINE. FRANK E. BAKER, Syracuse, N. Y., assignor to Chapin-Skelton Corporation, Syracuse, N. Y., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,259. 9 Claims. (Cl. 68—9.)

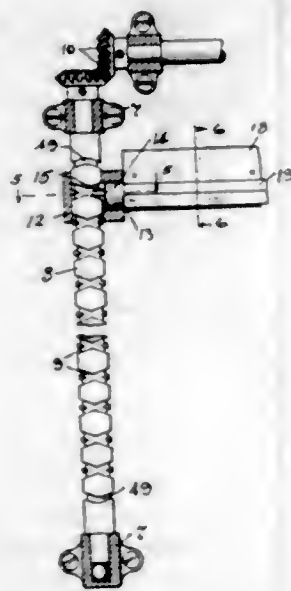


1. In a garment pressing machine having a self-opening press head, toggle-connections between the press head and the frame of the machine, an extension-bearing on one of the toggle members in front of the toggle-joint and above the connection of the toggle with the frame and a pedal-operated lever having means to engage said bearing at gradually increasing distances from the connection of the toggle with the frame for straightening the toggle to force the press head to its pressing position, said lever being movable independently of the toggle when the latter is straightened, and means actuated by the movement of the lever for flexing the toggle from its straightened position to allow the press-head to open.

1,734,937. AUTOMATIC WINDSHIELD WIPER. WILLIAM F. BOON, Lakewood, Ohio, assignor to Rees R. Roberts, Lakewood, Ohio. Filed Mar. 29, 1928. Serial No. 265,548. 4 Claims. (Cl. 15—251.)

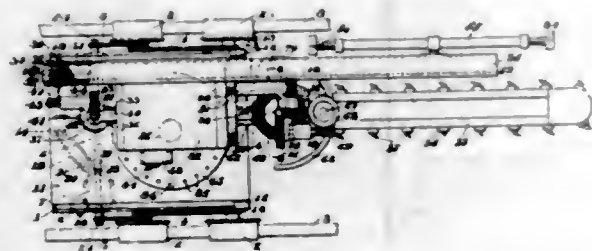
1. In windshield wiping mechanism, the combination of a shaft having connected double threads and extending vertically at each side of the windshield glass to be wiped, a carrier mounted on each shaft, a wiper and wiper rod

mounted on said carriers, each of said carriers having means for engagement with said shafts to move said wiper



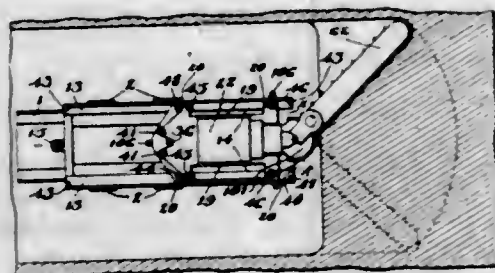
back and forth across the windshield and to tilt the wiper away from said windshield during movement in one direction and means for rotating said shafts synchronously.

1,734,938. MINING MACHINE. FRANK CARLIDGE, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 7, 1918, Serial No. 210,696. Renewed Feb. 4, 1927. 180 Claims. (Cl. 262—28.)



1. In a mining machine, a support, cutting mechanism thereon including a swiveled cutter bar carrying a cutter chain, said bar being adjustable bodily into cutting position in a plurality of intersecting planes to position the same for the cutting of kerfs intersecting in lines extending longitudinally of said support, a motor for operating said cutter chain, and means operable by said motor to effect said bodily movement of said bar to the desired plane and to swing said bar in any plane to which it may be moved.

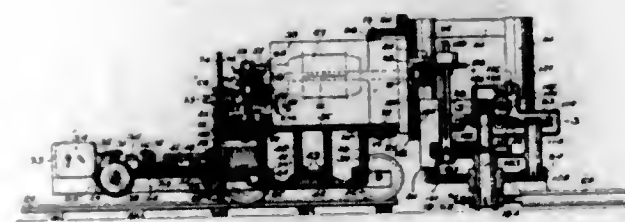
1,734,939. MINING MACHINE. FRANK CARLIDGE, Cincinnati, Ohio, assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 15, 1918, Serial No. 240,228. Renewed May 28, 1925. 130 Claims. (Cl. 262—28.)



1. In a mining machine, a transport frame including a horizontally disposed forwardly projecting guiding way, a

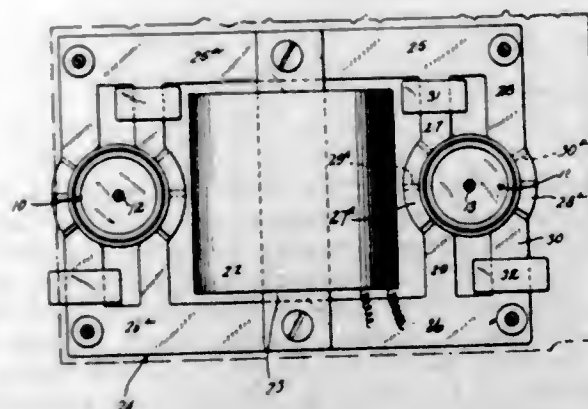
motor reciprocable thereon, and cutting mechanism operatively connected to said motor and including a pivotally mounted cutter chain carrying cutter bar swinging in a plane below the plane of said way and parallel thereto.

1,734,940. MINING MACHINE. FRANK CARLIDGE, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 20, 1918, Serial No. 241,063. 176 Claims. (Cl. 262—28.)



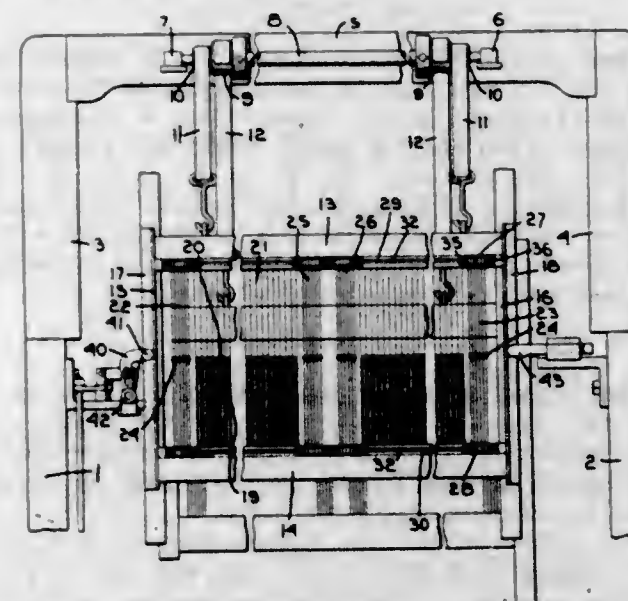
1. In a mining mechanism, in combination, guiding means, a support movable longitudinally thereof, a second support swiveled on a fixed vertical axis on said support, power means for rotating said second support on said axis operative while said axis remains stationary power driven cutting mechanism, and means for vertically rectilinearly adjusting said cutting mechanism on said second support including a motor carried by said latter support.

1,734,941. ELECTRICAL ACTUATING MEANS FOR CLOCKS AND OTHER INSTRUMENTS. GEORGE P. COWLES, Brooklyn, N. Y. Filed Jan. 5, 1928. Serial No. 244,720. 15 Claims. (Cl. 58—41.)



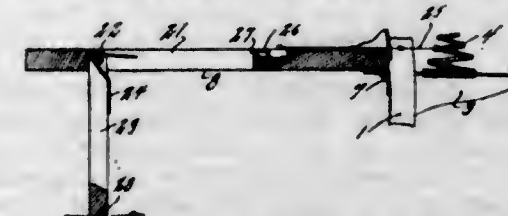
1. In apparatus of the general nature of that herein described, in combination, a time train, a strike mechanism, a winding for conducting an alternating current, means providing a magnetic circuit for the passage of flux set up by current flow in said winding, a rotor in said magnetic circuit adapted to be rotated by the passage of said flux and adapted by its rotation to supply energy to drive said time train, and a second rotor in said magnetic circuit adapted to be rotated by the action of said flux and adapted by its rotation to supply energy to actuate said strike mechanism.

1,734,942. SELVAGE MECHANISM FOR LENO LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed June 2, 1927. Serial No. 196,114. 9 Claims. (Cl. 139—50.)



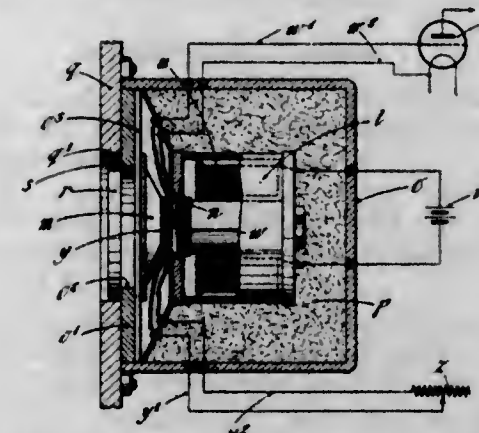
1. A harness for looms comprising a pair of heddle frames having fixed main heddles conjointly operable to produce a fabric body having a leno weave and provided with a group of heddles acting independently of the main heddles to produce a band of plain weave.

1,734,943. BED CHAIR. EDWARD P. FARRELL, Toledo, Ohio, assignor to The Sit O' Sleep Furniture Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 12, 1927. Serial No. 212,892. 2 Claims. (Cl. 155—45.)



1. An article of furniture providing a spring embodying upholstered seat portion, a spring embodying upholstered back portion hinged thereto, said back portion shiftable toward a horizontal position as to the seat portion, auxiliary supporting means for the back portion while in horizontal position, said supporting means normally nested in the back portion when the back portion is in upright position, catch means in the back portion for holding the supporting means nested, and a releasing connection from said catch to the seat spring portion.

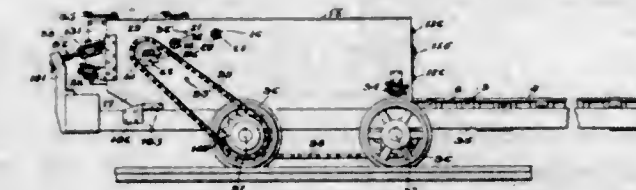
1,734,944. SOUND-AMPLIFYING SYSTEM. HAROLD GREEN, London, England, assignor to Celebritone Limited, London, England, a British Company. Filed Dec. 21, 1928, Serial No. 327,663, and in Great Britain Oct. 11, 1927. 7 Claims. (Cl. 179—1.)



1. In combination with an organ, an electrical system for amplifying the sound comprising a microphone having

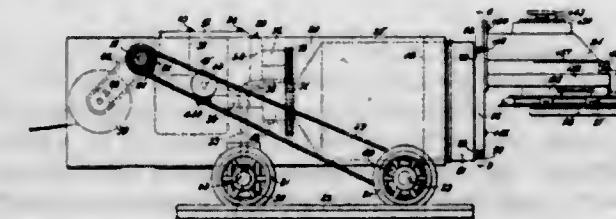
means damping the audio-frequency vibrations generated therein; a reproducer connected with the microphone and adapted to magnify the damped vibrations thereto transmitted; and a soundproof container for the microphone connected with the organ and having a single size-controllable opening disposed toward said organ to admit sound only from the latter.

1,734,945. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 6, 1918, Serial No. 232,803. Renewed Feb. 19, 1925. 174 Claims. (Cl. 262—30.)



9. In a mining machine, a cutter, a frame supporting the same and slidable over a mine bottom during cutting, and feeding mechanism for effecting feeding and guiding of said cutter and frame and operative to effect movement of said cutter during cutting in a path parallel to a working face while substantially perpendicular thereto, including flexible feeding means adapted to be extended to a fixed point extraneous to the frame, a feed operating member on said frame cooperating directly with said flexible feeding means to effect movement of said cutter relative to said fixed point, and guiding means cooperating with said feed operating member to maintain said flexible means in operative relation thereto, said feed operating member and said guiding means being disposable selectively in a plurality of different positions on the frame, in each of which said feed operating member is rotatable on a transverse axis stationary with respect to the frame.

1,734,946. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 11, 1918, Serial No. 266,312. Renewed May 28, 1925. 139 Claims. (Cl. 262—28.)

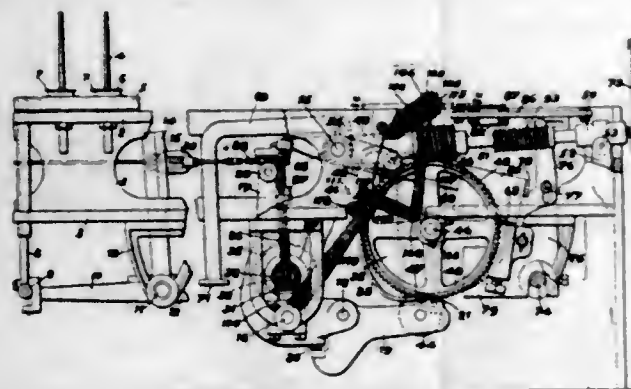


1. In a mining machine, in combination, a motor, a support rectilinearly movable towards and from a working face during cutting operation of the machine, a motor casing in which said motor is disposed rotatably mounted on said support for rotation about an axis parallel to the direction of rectilinear movement of said support during cutting, and plane kerf cutting means driven by said motor carried by said motor casing and adjustable with respect to said casing towards and from the axis of the latter.

1,734,947. BUILDER MECHANISM FOR SPINNING OR WINDING MACHINES. HARRY A. LEONARD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 25, 1928. Serial No. 257,088. 11 Claims. (Cl. 242—43.7.)

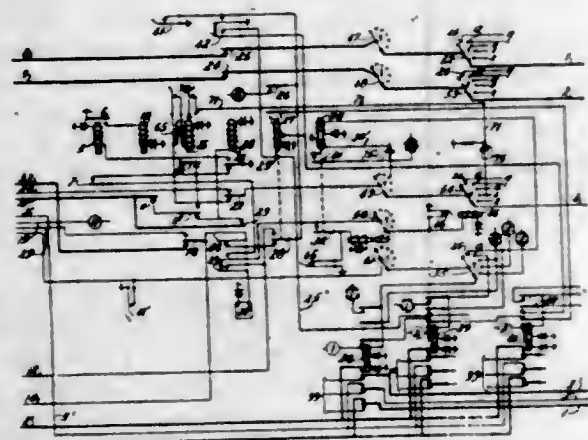
1. In a machine of the class described, the combination of a series of yarn receivers, guiding means for directing yarn

to the receivers during their rotation, main traversing means for imparting service traversing movement to the yarn guiding means, bunch building means, a single driving mechanism for the main traversing means and bunch



building means alternately engageable with either, and connections between the bunch building means and yarn guiding means for imparting short traverse to the yarn guiding means during the bunch building operation.

1,734,948. TESTING APPARATUS. MARTIN L. NELSON, Park Ridge, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Apr. 22, 1927, Serial No. 185,882. Renewed Mar. 28, 1929. 55 Claims. (Cl. 179-175.)



51. In a telephone system, switches, a test mechanism therefor, a test line, means for connecting said mechanism with said line, means for connecting said mechanism with a switch, means for actuating said switch to connect with said test line, means in said switch for transmitting current over said test line to said mechanism, means in

said mechanism for checking the direction of said current, signals, and means in said mechanism for operating said signals if said current is not properly transmitted or in the wrong direction.

1,734,949. PRESERVATION OF METALLIC SURFACES. JAMES C. VIGNOS, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1928. Serial No. 260,235. 8 Claims. (Cl. 148-8.)

1. A process of pickling iron and steel products which comprises subjecting the metal to be pickled to the action of a sulphuric acid solution containing a small proportion of an unsymmetrically substituted thiourea.

1,734,950. MEANS OF PRESERVING METALLIC SURFACES. JAMES C. VIGNOS, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Filed Apr. 18, 1928. Serial No. 271,119. 13 Claims. (Cl. 148-8.)

1. The process of cleaning a metal surface which comprises treating such metal with a sulfuric acid solution containing a small proportion of the reaction product of an aldehyde ammonia and a thiourea.

1,734,951. AGE-RESISTING COMPOUND FOR VULCANIZED RUBBER. MAX H. ZIMMERMANN, Newington, N. H., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,436. 1 Claim. (Cl. 18-50.)

A rubber product which has been vulcanized in the presence of di-phenyl nitroso-amine.

1,734,952. AGE-RESISTING COMPOUND FOR VULCANIZED RUBBER. MAX H. ZIMMERMANN, Newington, N. H., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,437. 1 Claim. (Cl. 18-50.)

A rubber product which has been vulcanized in the presence of dialphanaphthyl nitroso-amine.

1,734,953. AGE-RESISTING COMPOUND FOR VULCANIZED RUBBER. MAX H. ZIMMERMANN, Newington, N. H., assignor, by mesne assignments, to Albert C. Burrage, Jr., Ipswich, Mass. Filed June 4, 1929. Serial No. 368,438. 3 Claims. (Cl. 18-50.)

1. A rubber product which has been vulcanized in the presence of a diaryl substituted nitroso-amine characterized by containing a methyl substituent in the aryl nucleus.

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CONTENTS	
	Page
ISSUE OF NOVEMBER 12, 1929	277
ADJUDICATED PATENTS	277
APPLICATIONS UNDER EXAMINATION	278
COMMISSIONER'S DECISION—	
Ex parte Slater	279
DECISION OF THE U. S. COURTS—	
In re Fuller	279
PATENT SUITS	280
DECLINATIONS	281
INTERFERENCE NOTICES	282
NOTICE OF CANCELLATION	282
TRADE-MARKS PUBLISHED (276 APPLICATIONS)	283
TRADE-MARK REGISTRATIONS GRANTED	317
TRADE-MARK REGISTRATIONS RENEWED	328
LABELS	331
PRINTS	332
REISSUES	333
DESIGNS	334
PATENTS GRANTED	343

Issue of November 12, 1929

Trade-Marks	352—No. 263,678 to No. 264,030, inclusive.
T. M. Renewals	98
Labels	46—No. 36,598 to No. 36,640, inclusive.
Prints	9—No. 12,176 to No. 12,184, inclusive.
Reissues	6—No. 17,484 to No. 17,488, inclusive.
Designs	40—No. 79,877 to No. 79,916, inclusive.
Patents	389—No. 1,734,954 to No. 1,735,841, inclusive.
Total	1,435

Adjudicated Patents

(C. C. A. Minn.) Cory patent, No. 1,012,830, for golf game, Held not infringed. *Chester-Pollard Amusement Co. v. Popular Games*, 34 F. (2d) 409.

(D. C. N. Y.) Overman patent, No. 1,092,078, for vehicle tire, claims 6 and 10 Held valid and infringed. *Overman Cushion Tire Rubber Co. v. Goodyear Tire & Rubber Co.*, 34 F. (2d) 508.

(D. C. N. Y.) Hoover patent, No. 1,191,806, for bumper for vehicles, claims 1, 3, and 6 Held infringed. *American Chain Co. v. Franklin New York Co.*, 34 F. (2d) 551.

(D. C. N. Y.) Lyon patent, No. 1,198,246, for buffer for motor vehicles, claims 9, 14, and 18 Held valid and infringed. *Id.*

(D. C. N. Y.) Hoover patent, No. 1,221,800, for automobile bumper, claims 2, 3, 6, and 7 Held valid and infringed. *Id.*

(D. C. Or.) Cochran and Youngs patent, No. 1,227,557, for make-ready of impression cylinders of printing presses, Held infringed. *New England Fibre Blanket Co. v. Portland Telegram*, 34 F. (2d) 446.

(D. C. Pa.) Kuntz patent, No. 1,229,978, for drier, claims 1 to 5 Held not infringed by one of defendant's devices, but infringed by others, and claim 6 Held not infringed. *Ruggles-Coles Engineering Co. v. McGann Engineering Co.*, 34 F. (2d) 519.

(C. C. A. Minn.) Eliaser patent, No. 1,391,306, for game, Held not infringed. *Chester-Pollard Amusement Co. v. Popular Games*, 34 F. (2d) 409.

(D. C. Del.) Lowell & Dunmore patent, No. 1,455,141, for radio receiving apparatus, claims 3 and 14 Held valid and infringed. *Dublier Condenser Corporation v. Radio Corporation of America*, 34 F. (2d) 450.

(D. C. N. Y.) Hill patent, No. 1,466,437, for process for making character carriers for composing machines, Held valid and infringed. *Matrix Contrast Corporation v. Kellar*, 34 F. (2d) 510.

(C. C. A. Minn.) Mendes & Landers patent, No. 1,573,415, for toy golf game, Held not infringed. *Chester-Pollard Amusement Co. v. Popular Games*, 34 F. (2d) 409.

(D. C. Pa.) Moody patent, No. 1,583,415, for hydraulic turbine, claims 65, 67, 68, and 72-75 Held valid and infringed. *I. P. Morris Corporation v. S. Morgan Smith Co.*, 34 F. (2d) 525.

(D. C. Del.) Dunmore & Lowell patent, No. 1,606,212, for power amplifier, claims 2-4 and 6 Held not infringed. *Dublier Condenser Corporation v. Radio Corporation of America*, 34 F. (2d) 450.

(C. C. A. Kan.) Angell patent, No. 1,615,496, for one-way disk plow, claims 1, 2, 4, and 5 Held invalid. *Lanville v. Moberger*, 34 F. (2d) 286.

(D. C. Del.) Dunmore patent, No. 1,635,117, for signal-receiving system, claim 9 Held valid and infringed. *Dublier Condenser Corporation v. Radio Corporation of America*, 34 F. (2d) 450.

(D. C. N. Y.) Overman reissue patent, No. 13,628, for vehicle tire, claims 1, 4, and 5 Held invalid. *Overman Cushion Tire Rubber Co. v. Goodyear Tire & Rubber Co.*, 34 F. (2d) 508.

Condition of Applications Under Examination at Close of Business November 1, 1929

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Feb. 18	Feb. 26	1,355
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 1	Mar. 2	1,835
331	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 6	June 13	1,346
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	Mar. 22	Mar. 23	1,446
108*	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Feb. 15	Feb. 21	1,590
318	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Jan. 2	Jan. 3	3,064
106	7. JARBOE, C. G., Optics; Photography.	Feb. 7	Feb. 6	2,300
133	8. HENRY, C. C., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 15	July 24	1,194
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	Apr. 8	Mar. 27	1,830
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Feb. 23	Apr. 3	1,648
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	June 27	July 9	683
380	12. PIERCE, P. P., Machine Elements.	Mar. 11	Mar. 12	1,763
154*	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 1	Mar. 25	1,461
102*	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 2	Apr. 11	1,193
329	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Jan. 2	Jan. 5	2,848
242*	16. SPENCER, C. J., Telegraphy; Telephony.	Feb. 15	Mar. 16	1,328
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 21	Mar. 16	1,531
220	18. PORTER, M. E., Motors, Expansive-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 14	Mar. 20	1,463
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 5	Feb. 2	2,113
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar. 15	Apr. 1	1,602
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	Mar. 22	July 9	850
244*	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 8	Apr. 10	1,885
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers.	Jan. 22	Jan. 21	1,206
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Feb. 8	Mar. 12	1,605
202*	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 6	Mar. 5	1,645
228*	26. HODGES, J. S., Electricity, Generation; Motive Power.	Mar. 20	Mar. 13	1,230
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 7	Feb. 21	1,562
225	28. BENSON, A. R., Internal-Combustion Engines.	Mar. 25	Mar. 27	2,063
160*	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	Apr. 20	Apr. 18	770
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidistats.	Feb. 4	July 16	1,474
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Feb. 14	Feb. 8	2,423
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	Mar. 11	Mar. 13	1,824
152	33. WYMAN, W. L., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 18	Mar. 25	2,348
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Mar. 5	Mar. 14	1,182
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	May 10	June 1	1,741
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Feb. 16	Feb. 13	2,209
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Jan. 18	Jan. 19	2,244
145	38. KRAFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining; Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 2	Feb. 2	1,927
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Jan. 17	Jan. 25	1,937
262*	40. OBERLIN, J. V., Bottles and Jars; Receptacles.	Feb. 5	Mar. 9	2,971
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Mar. 19	Mar. 21	1,325
222*	42. CUTTING, H. O., Electric Signaling.	Apr. 4	Apr. 22	1,577
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Feb. 6	Feb. 6	2,189
253	44. SHAFFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 1	Feb. 16	2,201
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Jan. 15	Jan. 12	2,557
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 7	Mar. 7	1,655
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Jan. 19	Feb. 1	2,303
212*	48. ROEPKE, O. B., Electricity, General Applications.	Mar. 9	Mar. 1	1,371
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 8	June 4	1,258
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating.	Feb. 23	Feb. 28	2,711
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Feb. 8	Feb. 9	2,274
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 1	Apr. 1	2,208
201*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 17	May 18	1,363
241	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Feb. 2	Feb. 2	2,527
102	55. BOWEN, S. T., Breads, Pastry, and Confection Making; Outlery.	Oct. 4	Oct. 19	353
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	July 1	July 1	569
257*	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Jan. 28	Jan. 29	2,437
270*	58. DOWELL, E. F., Abrading; Typewriting.	Feb. 9	Mar. 28	1,223
315	59. RICHARD, V. I., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Feb. 13	Feb. 13	1,308
213*	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Feb. 2	Feb. 2	2,530
269	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Feb. 21	Mar. 5	1,811
245*	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Feb. 4	Feb. 7	2,374
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND—(Trade-Marks) (Labels and Prints)	Feb. 18	Feb. 18	2,672
		Oct. 1	Oct. 19	1,444
		Oct. 21	Oct. 24	111

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE SLATER

Decided October 24, 1929

APPLICATION—AMENDMENT FILED DURING AN INTERFERENCE.

Where an amendment is filed to an application in interference presenting claims copied from a patent and requesting an interference therewith, the Examiner should request jurisdiction of the application and enter and act upon the amendment, unless such entry and action would disturb the pending interference, and if, in his opinion, the applicant is not entitled to the interference he should reject the claims and set a time limit for reply. (*Moore v. Hewitt v. Potter*, 115 O. G. 509; *Cross v. Rusby*, 184 O. G. 552; and *Ex parte Neidich*, 172 O. G. 551, overruled to the extent indicated.)

ON PETITION.

DISINFECTED FRUIT AND PROCESS OF PREPARING SAME
Mr. Chas. M. Thomas for the applicant.

KINNAN, Acting Commissioner:

This is a petition that the jurisdiction of the above-entitled application be restored to the Examiner for the purpose of entering an amendment filed therein on September 25, 1929.

This application is involved in interference No. 51,344, which is now on appeal to the Court of Customs and Patent Appeals from the decision of the Board of Appeals, rendered October 23, 1928, affirming the award of priority to Slater, the present applicant. An amendment was filed by petitioner on September 25, 1929, presenting certain claims stated to be taken from Patent No. 1,693,575, issued to Brogden and Trowbridge on November 27, 1928. The joint patentee Brogden is the other party whose sole application is involved in the above-noted interference.

On September 28, 1929, the Examiner notified the applicant that the amendment could not be entered, under the ruling in *Cross v. Rusby*, 184 O. G. 552, 1912 C. D. 348, and other decisions, because, in his opinion, there was no basis in this application for the proposed claims. He stated his reasons for so holding.

The Examiner's action refusing to enter the amendment was in accordance with the ruling in the case he cited where it was specifically held that, when claims were presented in an application involved in interference asking a further interference between that application and the patent from which the claims were taken, such amendment should not be entered at such time unless the Examiner was of the opinion that the applicant was entitled to make them and to the interference, although the Examiner should state of record his reasons for holding the applicant not so entitled.

It is thought that in spirit, at least, the holding in *Cross v. Rusby*, supra, was overruled by the later decision of *Weber v. Woodford*, 264 O. G. 893, 1919 C. D. 65, where it was stated that it was obviously only fair to a patentee that the question whether an

interference should be declared between his patent and a pending application should be decided promptly.

In the latter decision it was further pointed out that where an applicant copied claims from a patent and the Examiner was of the opinion that the applicant could not make those claims he should reject them and set a time limit for response to that action.

No reason is seen why such action should not be taken, even though the application is involved in an interference, unless possibly, as pointed out in *Moore v. Hewitt v. Potter*, 115 O. G. 509, the entry of the amendment might "disturb the condition of the application with respect to the pending interference."

Inasmuch as the patent from which these claims are copied was granted during the pendency of the interference, it is to be presumed, especially as the application of one of the joint patentees is involved in the interference, that the Examiner considered the invention claimed in the patent to be patentably distinct from the issue of the interference.

It is thought, therefore, that in a case like the present, unless, as above noted, entering and acting upon the amendment would unduly disturb the pending interference, the Examiner should request jurisdiction of the application, enter and consider the amendment, and if, in his opinion, the applicant is not entitled to make the claims, reject them, give his reasons, and set a time limit for response to that action, and, if reconsideration is requested and rejection made final, set a time limit for appeal.

In so far as the decision of *Cross v. Rusby*, supra, and the prior decisions of *Moore v. Hewitt v. Potter*, supra, and *Ex parte Neidich*, 172 O. G. 551, are inconsistent with the ruling above made those decisions are overruled.

Inasmuch as the Examiner in this case has stated fully why he thinks the applicant is not entitled to make the claims, it is not deemed necessary for him to take further action with respect thereto unless the applicant presents a proper response to the action of September 28, 1929, which in effect is a refusal of the claims. The applicant is therefore given 30 days within which to respond to that action, and if the Examiner is not convinced by the applicant's showing that the interference should be declared he should then make his rejection of the claims final, setting a limit for appeal.

The petition is granted.

U. S. Court of Customs and Patent Appeals

IN RE FULLER

No. 2,131. Decided October 4, 1929

1. PATENTABILITY—PROCESS OF CONSTRUCTING WOOLEN FABRIC.

A process of constructing a woolen fabric which will not become shiny as the result of friction or wear held unpatentable over the prior art, since it was not new to produce a woolen cloth with less than the normal content of grease and it was old to mix wool and silk in a fabric.

Condition of Applications Under Examination at Close of Business November 1, 1929

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221	8. HENRY, C. E., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 15	July 24	1,194
118	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	Apr. 8	Mar. 27	1,830
148*	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Feb. 23	Apr. 3	1,645
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236	18. PORTER, M. E., Motors, Expansive-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 14	Mar. 20	1,483
179	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 5	Feb. 2	2,113
212	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar. 15	Apr. 1	1,602
244*	21. THOMPSON, T. J., Textiles; Cloth Finishing.	Mar. 22	July 9	850
217	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoyis; Ships; Marine Propulsion.	Mar. 8	Apr. 10	1,585
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228*	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 6	Mar. 5	1,645
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248	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	Apr. 20	Apr. 18	770
312	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 4	July 16	1,474
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262*	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Jan. 17	Jan. 25	1,937
125	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Feb. 5	Mar. 9	2,971
223*	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Mar. 19	Mar. 21	1,325
124*	42. CUTTING, H. O., Electric Signaling.	Apr. 4	Apr. 22	1,577
253	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Feb. 6	Feb. 6	2,189
379	44. SHAEFFER, C. H., Dispensing, Filling and Closing Portable Receptacles; Refrigeration.	Feb. 1	Feb. 16	2,201
233	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Jan. 15	Jan. 12	2,557
264	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 7	Mar. 7	1,655
212*	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Jan. 19	Feb. 1	2,503
239	48. ROEPKE, O. B., Electricity, General Applications.	Mar. 9	Mar. 1	1,371
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144	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Feb. 8	Feb. 9	2,274
201*	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 1	Apr. 1	2,308
241	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 17	May 18	1,363
102	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Feb. 2	Feb. 2	2,527
309	55. BOWEN, S. T., Bread, Pastry, and Confection Making; Cutlery.	Oct. 4	Oct. 19	353
257*	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	July 1	July 1	569
270*	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Jan. 28	Jan. 29	2,437
315	58. DOWELL, E. F., Abrading; Typewriting.	Feb. 9	Mar. 26	1,223
213*	59. RICHARD, V. I., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Feb. 13	Feb. 13	1,308
269	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Feb. 2	Feb. 2	2,530
245*	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Feb. 21	Mar. 5	1,811
163	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Feb. 4	Feb. 7	2,374
	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND. (Trade-Marks.)	Feb. 18	Feb. 18	2,672
	(Labels and Prints.)	Oct. 1	Oct. 19	1,444
		Oct. 21	Oct. 24	111

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE SLATER

Decided October 24, 1929

APPLICATION—AMENDMENT FILED DURING AN INTERFERENCE.

Where an amendment is filed to an application in interference presenting claims copied from a patent and requesting an interference therewith, the Examiner should request jurisdiction of the application and enter and act upon the amendment, unless such entry and action would disturb the pending interference, and if, in his opinion, the applicant is not entitled to the interference he should reject the claims and set a time limit for reply. (*Moore v. Hewitt v. Potter*, 115 O. G. 509; *Cross v. Rusby*, 184 O. G. 552; and *Ex parte Neidich*, 172 O. G. 551, overruled to the extent indicated.)

ON PETITION.

DISINFECTED FRUIT AND PROCESS OF PREPARING SAME
Mr. Chas. M. Thomas for the applicant.

KINNAN, Acting Commissioner:

This is a petition that the jurisdiction of the above-entitled application be restored to the Examiner for the purpose of entering an amendment filed therein on September 25, 1929.

This application is involved in Interference No. 51,344, which is now on appeal to the Court of Customs and Patent Appeals from the decision of the Board of Appeals, rendered October 23, 1928, affirming the award of priority to Slater, the present applicant. An amendment was filed by petitioner on September 25, 1929, presenting certain claims stated to be taken from Patent No. 1,693,575, issued to Brogden and Trowbridge on November 27, 1928. The joint patentee Brogden is the other party whose sole application is involved in the above-noted interference.

On September 28, 1929, the Examiner notified the applicant that the amendment could not be entered, under the ruling in *Cross v. Rusby*, 184 O. G. 552, 1912 C. D. 348, and other decisions, because, in his opinion, there was no basis in this application for the proposed claims. He stated his reasons for so holding.

The Examiner's action refusing to enter the amendment was in accordance with the ruling in the case he cited where it was specifically held that, when claims were presented in an application involved in interference asking a further interference between that application and the patent from which the claims were taken, such amendment should not be entered at such time unless the Examiner was of the opinion that the applicant was entitled to make them and to the interference, although the Examiner should state of record his reasons for holding the applicant not so entitled.

It is thought that in spirit, at least, the holding in *Cross v. Rusby*, supra, was overruled by the later decision of *Weber v. Woodford*, 264 O. G. 893, 1919 C. D. 65, where it was stated that it was obviously only fair to a patentee that the question whether an

interference should be declared between his patent and a pending application should be decided promptly.

In the latter decision it was further pointed out that where an applicant copied claims from a patent and the Examiner was of the opinion that the applicant could not make those claims he should reject them and set a time limit for response to that action.

No reason is seen why such action should not be taken, even though the application is involved in an interference, unless possibly, as pointed out in *Moore v. Hewitt v. Potter*, 115 O. G. 509, the entry of the amendment might "disturb the condition of the application with respect to the pending interference."

Inasmuch as the patent from which these claims are copied was granted during the pendency of the interference, it is to be presumed, especially as the application of one of the joint patentees is involved in the interference, that the Examiner considered the invention claimed in the patent to be patentably distinct from the issue of the interference.

It is thought, therefore, that in a case like the present, unless, as above noted, entering and acting upon the amendment would unduly disturb the pending interference, the Examiner should request jurisdiction of the application, enter and consider the amendment, and if, in his opinion, the applicant is not entitled to make the claims, reject them, give his reasons, and set a time limit for response to that action, and, if reconsideration is requested and rejection made final, set a time limit for appeal.

In so far as the decision of *Cross v. Rusby*, supra, and the prior decisions of *Moore v. Hewitt v. Potter*, supra, and *Ex parte Neidich*, 172 O. G. 551, are inconsistent with the ruling above made those decisions are overruled.

Inasmuch as the Examiner in this case has stated fully why he thinks the applicant is not entitled to make the claims, it is not deemed necessary for him to take further action with respect thereto unless the applicant presents a proper response to the action of September 28, 1929, which in effect is a refusal of the claims. The applicant is therefore given 30 days within which to respond to that action, and if the Examiner is not convinced by the applicant's showing that the interference should be declared he should then make his rejection of the claims final, setting a limit for appeal.

The petition is granted.

U. S. Court of Customs and Patent Appeals

IN RE FULLER

No. 2,131. Decided October 4, 1929

1. PATENTABILITY—PROCESS OF CONSTRUCTING WOOLEN FABRIC.

A process of constructing a woolen fabric which will not become shiny as the result of friction or wear *Held* unpatentable over the prior art, since it was not new to produce a woolen cloth with less than the normal content of grease and it was old to mix wool and silk in a fabric.

2. SAME—CLAIMS—FUNCTIONAL AND INDEFINITE.

A claim for a woolen cloth "having a tendency to wear rough rather than smooth" Held broader than applicant's invention as described in the specification and functional, as describing a result only.

APPEAL from the Patent Office. Affirmed.

Mr. W. M. Fuller and Mr. E. W. Shepard for Fuller.

Mr. T. A. Hostettler for the Commissioner of Patents.

GRAHAM, P. J.:

This is an appeal from the decision of the Commissioner of Patents, by which decision he modifies the action of the Examiners in Chief on appellant's claims for a patent. The claims finally denied, and which are in issue here, are 11 to 14, inclusive, 18, 19, 20, 32, 33, 34, and 36.

Appellant's invention consists of a process for constructing a woolen fabric for clothing, which will have all the advantages of the ordinary woolen fabric and yet will not become unduly shiny or glossy as a result of friction and wear. This he accomplishes by reducing the amount of animal grease in the wool to be used to less than the normal amount for such purpose, and adding, to compensate for such loss of grease and consequent deadness in appearance occasioned thereby, in both warp and woof of the cloth manufactured, a sufficient quantity of silk thread, or its equivalent. Many claims are made in appellant's application for patent, some of which, as we have noted, have been allowed, and some rejected. We shall only concern ourselves with those rejected.

It is conceded by counsel for appellant on the argument here, that if appellant's rejected claims may be considered as claims for a woolen fabric containing less than the normal content of natural grease, the claims should be rejected. In other words, it seems to be conceded that the underlying idea of appellant's invention is as hereinbefore stated, namely, to produce a woolen cloth with less than the normal content of grease, which will not become shiny by use. With this thought in mind, reference is had to claim 12, which is illustrative of the rejected claims 11 to 14, inclusive. This claim reads:

A woolen fabric composed of strands of wool of a pliability less than normal interlaced with strands of a material of greater pliability, the latter compensating for the decreased pliability of the wool.

What idea is suggested by this claim? First the inventor makes his wool more brittle and then brings it to normal with other material. What has this to do with reducing the grease content? So far as the claim speaks, the brittleness may be caused by entirely different means than a decrease in the grease content. If this claim, and the others represented by it, are to be held to refer back to the descriptive part of the specifications, and this seems to be the rule, then appellant's claims have been unnecessarily multiplied, and his interests are fully protected by his claims which have been allowed. *In re Carpenter*, 24 App. D. C. 110; *Mitchell v. Tilghman*, 19 Wall. 287-302. If the claim is intended to have a broader meaning than the specifications, it

is too broad and too indefinite. In such case it does nothing more than to describe a process which results in a product having the same apparent qualities and uses as before the process was applied. Hence, there is no invention. If a new and useful result is to be accomplished, the process should be described with clearness and precision. *Lane v. Levi*, 21 App. D. C. 168-175.

[1] Rejected claims 18, 19 and 20 are the same in principle. They are illustrated by 18: "A woolen fabric composed of comparatively brittle dull strands of wool interlaced with strands of silk." As is stated by the Examiner, it is hard to understand just what such a claim has to do with a reduction of grease content in the wool. Any kind of wool might be included in such a claim, washed, unwashed, carbonized, virgin, or shoddy, so long as it was dull and brittle. These claims therefore amount to nothing more than a description of a mixed wool and silk fabric. In view of the state of the art of manufactured cloths and fabrics, such a process can hardly be said to be patentable. Such cloths have been known to the art and used from time immemorial. "Challis." Webster's New International Dict. 1925; Funk & Wagnall's New Standard Dict. 1925; Knight's Am. Mech. Dict., vol. 1, p. 524. In this connection, counsel for the Patent Office cites, also, Robert Beaumont's work on Woolen and Worsted (London, 1915), pp. 41 and 267. All these authorities are relevant and may be considered by the court. *In re Schaeffer*, 2 App. D. C. 1.

[2] The suggestions just made apply equally to claims 32, 33, and 34. Claim 36: "A woolen cloth having a tendency to wear rough rather than smooth," was properly rejected. This claim, it seems to the court, describes, imperfectly and too broadly, a different manufacture than that described in appellant's specifications. It is also functional, describing a result only, and not a process, and can, therefore, have no standing here. *Auto Hone Co. v. Hall Cylinder Hone Co.*, 3 Fed. (2d) 479.

The decision of the Commissioner is affirmed.

Affirmed.

Patent Suits

(Notices under sec. 4921, R. S., as amended Feb. 18, 1922.)

880,713, J. R. Blair, Can-washing machine, D. C., W. D. N. Y., Doc. 793-D, H. D. Lathrop v. Rice & Adams Corp. Decree Sept. 19, 1929.

1,125,476, G. Claude, System of illuminating by luminescent tubes, D. C., Minn. (4th Div.), Doc. E 1415, Claude Neon Lights, Inc., et al. v. O. Paulson, et al. (Glo-Tube Mfg. Co.) Same, filed Aug. 6, 1928, D. C., N. D. Ill. (E. Div.), Doc. 9272, Claude Neon Lights, Inc. v. James Neon Double Electrode Corp.

1,158,123, R. A. Fessenden, Apparatus for generating and receiving electromagnetic waves, D. C., N. D. Ohio, (E. Div.), Doc. 2693, Radio Corp. of America et al. v. The Sparks-Withington Co. Discontinued without prejudice Sept. 19, 1929.

1,166,601, B. F. Hopkins, Means for distributing liquids, appeal filed Sept. 14, 1929, C. C. A., 8th Cir. (St. Louis), Doc. 8711, W. N. Mathews Corp. v. Alliance Securities Co.

1,212,840, F. J. Straub, Building block and method of making, filed July 16, 1929, D. C., E. D. Pa., Doc. 5257, Crozier-Straub, Inc., et al. v. B. F. Gotwala. Same, filed Aug. 1, 1929, D. C., E. D. Pa., Doc. 5289, Crozier-Straub, Inc., et al. v. Media Concrete Products Co. Doc. 5291, Crozier-Straub, Inc., et al. v. Philadelphia Concrete Building Block, Inc., et al. Doc. 5293, Crozier-Straub, Inc., et al. v. Roslyn Concrete Products Co., Inc. Doc. 5295, Crozier-Straub, Inc., et al. v. Capitol Block & Brick Co. Doc. 5297, Crozier-Straub, Inc., et al. v. F. Olsinski. Doc. 5299, Crozier-Straub, Inc., et al. v. W. H. Ellis (Ellis Concrete Products Co.). Same, filed Aug. 14, 1929, D. C., E. D. Pa., Doc. 5357, Crozier-Straub, Inc., et al. v. Potlatch Bros. Co.

1,225,051, H. M. Peters, Portable electric lamp, filed June 26, 1929, D. C., E. D. Pa., Doc. 5247, Faries Mfg. Co. v. The Siegel Mfg. Co.

1,310,080, E. F. Collins, Electric resistance furnace, filed Sept. 23, 1929, D. C., N. D. Ohio (E. Div.), Doc. 3126, General Electric Co. v. The Electric Furnace Co.

1,333,298, Evered & Kilroy, Sound emitter, filed June 25, 1929, D. C., E. D. Pa., Doc. 5245, Farrend Inductor Corp. v. The R. Wurliiser Co.

1,342,045, E. A. Hamwi, Apparatus for making pastry forms, filed Sept. 16, 1929, D. C., Mo. (St. Louis), Doc. 8734, E. A. Hamwi v. Crispo Cake Cone Co. et al.

1,353,197, J. F. Werder, Grinding compound, filed June 21, 1929, D. C., E. D. Pa., Doc. 5243, The Zip Mfg. Co. et al. v. H. B. Swaab (The Samsen Products Co.).

1,366,078, T. F. Johnson, Jr., Method of locating faulty suspension insulators on live-wire transmission lines, C. C. A., 3d Cir., Doc. 4016, T. F. Johnson, Jr. v. Duquesne Light Co. et al. Decree of D. C. affirmed Sept. 19, 1929.

1,381,770, W. H. Vibber, Terminal ground clamp, filed July 2, 1929, D. C., E. D. Pa., Doc. 5253, Gillette-Vibber Co. et al. v. Heinemann Electric Co.

1,403,475, H. D. Arnold, Vacuum-tube circuit, D. C., N. D. Ohio (W. Div.), Doc. E 999, Western Electric Co., Inc. et al. v. Silverphone Corp. Decree pro confesso (notice Sept. 20, 1929).

1,420,454, J. W. Smith, Attachment for paper machine drivers, filed Sept. 21, 1929, D. C., W. D. N. Y., Doc. 74, J. W. Smith et al. v. Fernham Mfg. Co.

1,526,982, E. W. Hill, Stencil sheet, filed Aug. 26, 1929, D. C., N. D. Ill. (E. Div.), Doc. 9310, A. B. Dick Co. v. Heyer Duplicate Co., Inc. Doc. 9311, A. B. Dick Co. v. Canode Ink & Office Supply Co.

1,543,963, J. N. Walton, Metallic packing, filed June 27, 1929, D. C., E. D. Pa., Doc. 5251, Crane Packing Co. v. Anchor Packing Co.

1,564,339, Fraser & Goss, Measuring chair, filed Sept. 18, 1929, D. C., W. D. Mich. (Grand Rapids), Doc. 2275, C. O. Fraser et al. v. American Seating Co.

1,613,055, G. J. Ray, Composition for stopping leaks in hot-water circulating system, appeal filed July 18, 1929, C. C. A., 3d Cir., Doc. 4215, Radiator Specialty Co. v. W. H. Buhol.

1,625,213, R. S. Kirkpatrick, Caster centering and retaining device, C. C. A., 8th Cir. (St. Louis), Doc. 8486, T. Harris v. J. B. Ladd. Decree modified and affirmed, Sept. 12, 1929.

1,648,808, L. A. Haseltine, Wave signaling system, filed Aug. 19, 1929, D. C., E. D. Pa., Doc. 5359, Haseltine Corp. v. Atwater Kent Mfg. Co.

1,659,364, G. M. Keeley, Sewer-inlet device, filed June 3, 1929, D. C., E. D. Pa., Doc. 5189, G. M. Keeley v. Clark Iron Foundry, Inc.

1,661,062, P. Ambory, Electrical water heater, filed Sept. 18, 1929, D. C., E. D. Mich. (S. Div.), Doc. 8736, L. Ambory v. Detroit, Electrical Specialty Co.

1,711,814, C. C. Shipp, Radiator-box base, filed Sept. 18, 1929, D. C., N. D. Ind. (S. Bend), Doc. 251, C. O. Shipp v. H. W. Canvin et al.

1,724,542, J. Zabel, Fur brushing and ironing machine, filed Sept. 19, 1929, D. C., S. D. N. Y., Doc. E 50/193, Reliable Machine Works, Inc. v. U. S. Blind Stitch Machine Corp.

Des. 70,209, J. Berlinger, Wedding ring, D. C., S. D. N. Y., Doc. E 43/158, J. Berlinger v. M. Klass et al. Consent decree for plaintiff Sept. 20, 1929.

Des. 78,602, A. L. Arenberg, Shadowless lamp, filed Aug. 16, 1929, D. C., N. D. Ill. (E. Div.), Doc. 9304, Luminator, Inc. v. The Fair.

Des. 79,313, L. Zweig, Clock case, filed Sept. 20, 1929, D. C., S. D. N. Y., Doc. E 50/207, Sun Rise Lamp Mfg. Co., Inc. v. Metropolitan Lamp Co., Inc.

Disclaimers

1,385,102.—Alexander F. Winters and Basil R. Crampton, Grand Rapids, Mich. LATCH. Patent dated July 19, 1921. Disclaimer filed October 24, 1929, by the patentees.

Hereby enter this disclaimer to that part of the claims in said specification which are in the following words, to wit:

"5. In a latch of the character described, a supporting member adapted to be attached to a door, and a latch lever pivotally mounted between its ends thereon, said lever including one arm extending from the pivot, a handle portion extending in the opposite direction from the pivot, and a second arm extending from the handle portion adjacent right angles to the first arm, substantially as described."

"6. A latch containing the elements in combination defined in claim 5, said arms on their inner sides being formed with cam surfaces, substantially as described."

1,547,764.—Herman W. Kuchl, Chicago, Ill. WASTE-VALVE MECHANISM. Patent dated July 28, 1925. Disclaimer filed October 24, 1929, by the assignees, Herman M. Kuchl and Harry W. Anderson, a Copartnership.

Hereby enter a disclaimer limiting claim 1 of said patent as follows:

By restricting the elements "overflow and waste outlets" to an overflow outlet in a side wall of the receptacle and a waste outlet.

By restricting the element "means connecting said outlets with a source of waste disposal" to a waste pipe connected to the waste outlet, an overflow pipe connected to said waste pipe, an L connecting the overflow pipe to the overflow outlet.

By restricting the elements "units" to deformable units. By restricting the term "independent installation or removal" to independent installation or removal through one of the outlets.

Your petitioners hereby enter a disclaimer limiting claim 6 of said patent as follows:

By restricting the elements "interconnected waste and overflow outlets" to waste and overflow outlets, communicating waste and overflow pipes, an L connecting each pipe to one outlet.

By restricting the elements "linkage units" to deformable linkage units.

1,699,516.—Augustus M. Sosa and Hans Baerbalok, Cincinnati, Ohio. LUBRICATING DEVICE. Patent dated January 22, 1929. Disclaimer filed October 18, 1929, by the assignee, The American Tool Works Co.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"3. In a device of the character described, the combination of a frame, a ram reciprocable thereon, a rocker-arm, a link, an upper bearing between the upper end of said rocker-arm and said ram, a lubricant passage for said upper bearing extending upwardly lengthwise of said rocker-arm, and lubricant feeding means communicating with the lower end of said lubricant passage, and the upper end of said lubricant passage discharging lubricant for said upper bearing."

Except when said claim 3 is limited as follows:

When the element in said claim of "lubricant feeding means" is limited to include a lubricant reservoir, lubricant supply means therefor, and a continuous unidirectional

tional lubricant feeding passage from said lubricant reservoir to the lower end of said lubricant passage recited in said claim, said lubricant reservoir located as high as said upper bearing recited in said claim, and arranged that said lubricant reservoir during operation of the machine continuously receives lubricant by means of said lubricant supply means and simultaneously continuously feeds lubricant through said continuous unidirectional lubricant feeding passage by gravity to said lower end of said lubricant passage recited in said claim.

And your petitioner further hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"7. In a device of the character described, the combination of a frame, a ram having guide connection therewith, a rocker-arm, a lower bearing for the lower end of said rocker-arm, a crank-block having slide connection with said rocker-arm, a crank therein, upper bearing means between the upper end of said rocker-arm and said ram, a lubricant container, and lubricant passages therefrom through said lower bearing to said upper bearing means, arranged for upward passage of the lubricant between said lower bearing and said upper bearing means, and lubricant guiding means for gravity feed of the lubricant between said upper bearing means and said slide connection and said crank."

Except when said claim 7 is limited as follows:

When the "lubricant container" referred to in said claim is limited to a lubricant container which is located as high as said upper bearing means recited in said claim, lubricant supply means are provided therefor, and said lubricant passages recited in said claim include a continuous unidirectional lubricant feeding passage from said lubricant container to said lower bearing recited in said claim, and arranged that during operation of the machine said lubricant container continuously receives lubricant from said lubricant supply means, and said lubricant container simultaneously continuously feeds lubricant by gravity through said lubricant passages recited in said claim, including said continuous unidirectional lubricant feeding passage, to said upper bearing means recited in said claim.

1,715,037.—Howard J. Kerr, Westfield, N. J., and James E. Trainer, Barberton, Ohio. ECONOMIZER. Patent dated May 28, 1929. Disclaimer filed October 23, 1929, by the assignee, The Babcock & Wilcox Company.

Hereby enters this disclaimer to the combination of elements set forth in each of claims 5 and 7 of said Letters Patent except when the "non-corrodible material" of said elements is one which is chemically neutral with respect to the material of the tube or tubes and which is applied to the outside thereof and caused to adhere thereto, leaving the material of the tube or tubes unchanged.

Interference Notices

U. S. PATENT OFFICE, Washington, Oct. 15, 1929.

The heirs, assigns, or legal representatives of Roger D. Hunneman, deceased, take notice:

An interference has been declared by this Office between the application of Nathaniel E. Loomis, box 18, Elizabeth, N. J., for patent and patent granted July 10, 1928, No. 1,676,609, to Roger D. Hunneman, of 2226 East Sixty-eighth Street, Chicago, Ill. The Office having been notified of the death of said Hunneman and a notice of such declaration sent by registered mail to his heirs at the address of record having been returned by the post office as undeliverable, notice is hereby given that unless the heirs, assigns, or legal representatives of said Hunneman shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 16, 1929.

Jacob C. Swimmer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hydrocarbon Products Company, Inc., 117 Liberty Street, New York, N. Y., for registration of a trade-mark and trade-mark registered September 20, 1927, No. 232,826, to Jacob C. Swimmer, 124 Clay Street, Brooklyn, N. Y., and a notice of such declaration sent by registered mail to said Swimmer at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Swimmer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 25, 1929.

Harry Odell, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of William Emmett Shacklett, of 201 West Main Street, Louisville, Ky., for patent and patent granted August 25, 1925, No. 1,551,047, to Harry Odell, of Locust Street and Preston Road, Prestonia, Ky., and a notice of such declaration sent by registered mail to said Odell at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Odell, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 25, 1929.

Fay B. Duncan, doing business as Mar-Les Polish Co., his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Alfred Peats Company, 812 Belmont Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 4, 1926, No. 212,431, to Fay B. Duncan, doing business as Mar-Les Polish Co., at 617 Seventh Street, Hoquiam, Wash., and a notice of such declaration sent by registered mail to said Duncan at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Duncan, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, Washington, October 15, 1929.

Imperial Automobile Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Chrysler Corporation, of 341 Massachusetts Avenue, Detroit, Mich., to effect the cancellation of the trade-mark registration of Imperial Automobile Company, of Jackson, Mich., No. 82,442, dated June 27, 1911, and a notice of such proceeding sent by registered mail to the said Imperial Automobile Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Imperial Automobile Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 12, 1929

[VOL. 388. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 289,727. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.

Filene's

For Feathers and Sponges.
Claims use since Jan. 1, 1928.

CLASS 2

Receptacles

Ser. No. 288,101. BEMIS BRO. BAG CO., St. Louis, Mo. Filed Aug. 5, 1929.



For Fabric and Paper Bags and Sacks for Containing Pulverized or Granular Material and the Like.
Claims use since July 1, 1929.

Ser. No. 288,102. BEMIS BRO. BAG CO., St. Louis, Mo. Filed Aug. 5, 1929.



For Fabric and Paper Bags and Sacks for Containing Pulverized or Granular Material and the Like.
Claims use since July 1, 1925.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 263,248. WHITE LUGGAGE CO., INC., New York, N. Y. Filed Mar. 15, 1928.

"COMPARTMENT-O"

Disclaimer is hereby made without prejudice of the word "Compartment" used alone apart from the mark as shown in the drawing.

For Hatboxes.
Claims use since June 15, 1927.

Ser. No. 289,872. THE BURTIS COMPANY, INC., Newark, N. J. Filed Sept. 17, 1929.

Burtis



No claim is made to the word "Burtis" apart from the mark shown in the drawing.

For Vanity Cases in the Nature of a Purse, Purses, Pocketbooks, Portfolios, Key Cases Made of Leather, Card-cases, Wallets, Check-Book Covers Made of Leather, and Ladies' Hand Bags.
Claims use since July 6, 1929.

Ser. No. 290,349. PHILIP FLORIN, New York, N. Y. Filed Sept. 28, 1929.

SHURFOLD

For Wallets and Bill Folds.
Claims use since Aug. 15, 1929.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 260,050. AUGUSTE DOUSSELIN, Lyon, France.
Filed Jan. 13, 1928.

No claim is made for any of the wording appearing on the drawing except "A. Dousselin." Neither is any claim made for the representation of the container of the goods.

For a Cleaner in Liquid, Powdered, Block, and Paste Form for Use in Cleaning the Hands, Metal Ware Used in Kitchens, Bathtubs, Marble, Window Panes, Stone Stairs, Sinks, Enameled Objects, Tile, Mosaic Work, Flooring, and for Use in Polishing Metals.

Claims use since June 29, 1909.

Ser. No. 284,994. PASTELO COMPANY, Oakland, Calif.
Filed June 3, 1929.



For Leather Specialty Products—Namely, Shoe Creams, Pastes, Polishes, and Colorings for Leather Goods and the Like.

Claims use since Mar. 7, 1929.

Ser. No. 286,225. CORK FLOOR PRODUCTS CO., Portland, Oreg.
Filed June 27, 1929.

OUR OWN

For Sweeping Compounds.
Claims use since Feb. 29, 1928.

Ser. No. 286,283. MARGARET TINGLE, Cleveland, Ohio.
Filed June 27, 1929.

A. R. T. TING-LING-LING

For Cleansing Powder for Fabrics and Manufactured Articles Such as Hats and Garments.
Claims use since Mar. 1, 1925.

Ser. No. 289,335. EDWARD D. CAPLES, doing business as Blue Manufacturing Co., Somerville, Mass.
Filed Sept. 5, 1929.

BLUO

For Laundry and Toilet Soap.
Claims use since Aug. 26, 1929.

Ser. No. 289,878. DUETTE MANUFACTURING COMPANY, Chicago, Ill.
Filed Sept. 17, 1929.

DUETTE

For Nonexplosive Dry-Cleaning Fluid.
Claims use since Apr. 20, 1929.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 279,712. AMERICAN CHEMICAL & DRUG CO., INC., Olyphant, Pa.
Filed Feb. 21, 1929.



No claim is made to the term "American Chemical Products" apart from the mark shown.

For Proprietary Preparations—Namely, Laxatives, a General Rubbing Lintment, a General Tonic and System Purifier, Cough Drops, and a Female Tonic for Painful, Profuse, and Suppressed Menstruations, Leucorrhoea or Whites, Barrenness or Sterility Caused by Inflammation, Ulceration of the Womb, and General Debility of Women.

Claims use since Jan. 19, 1921.

Ser. No. 280,170. FLORASYNTH LABORATORIES, INC., New York, N. Y.
Filed Mar. 2, 1929.

SALVINOL

For Aromatic Chemical Solvents for Essential Oils including Esters, Ethers, Aldehydes, and Ketones Used Individually and in Combination with Each Other for the Manufacture of Food-Flavoring Extracts.

Claims use since 1916.

Ser. No. 280,748. JACK SUNSHINE, doing business as Sunshine Products Co., New York, N. Y.
Filed Mar. 14, 1929.



No claim is made to the exclusive use of the representation of the tube apart from the mark as appearing on the drawing.

For Prophylactic Salve or Ointment.
Claims use since Dec. 1, 1928.

Ser. No. 280,894. CURRIER'S TABLETS INCORPORATED, Los Angeles, Calif.
Filed Mar. 18, 1929.



For Medicated Tablets Taken Internally as Treatment for Ailments of the Human Stomach.
Claims use since Jan. 2, 1929.

Ser. No. 281,334. AUGUSTA BEH, doing business as The Beh Remedy Company, Bronx, N. Y.
Filed Mar. 26, 1929.



The portrait and signature shown in the drawing is that of Dr. A. Beh, the applicant's predecessor, now deceased. For Medicine for Blood and Skin Diseases.
Claims use since 1904.

Ser. No. 282,362. MASURY-YOUNG COMPANY, Charlestown, Mass.
Filed Apr. 13, 1929.

MYCOBLOX

For Deodorants in Cake Form.
Claims use since about Oct. 15, 1927.

Ser. No. 282,471. JOSEPH A. GAAY, doing business as Gray's Medicine Company, South Bend, Ind.
Filed Apr. 16, 1929.

Kavatone

For Tonic and System Purifier.
Claims use since Feb. 25, 1928.

Ser. No. 284,218. THE VITOSOL CORPORATION, New York, N. Y.
Filed May 20, 1929.

VITOSOL

For Preparation for the Relief of Epilepsy.
Claims use since Mar. 14, 1929.

Ser. No. 285,114. DORA A. SAULSBERRY, doing business as D. A. Saulsberry's Laboratory Co., Campbell, Ohio. Filed June 5, 1929.



Dora Saulsberry

The portrait appearing on the drawing is that of the applicant.

For Medical Compound for the Treatment of Liver, Kidney, and Bladder Troubles and Female Disorders. Claims use since Apr. 15, 1929.

Ser. No. 286,020. MOSES A. BRIN, doing business as Cupid's Laboratories Studio, Chicago, Ill. Filed June 24, 1929.



No separate claim is made to the exclusive use of the word "Bath" apart from the mark shown.

For Bath Powder. Claims use since June 17, 1929.

Ser. No. 286,202. MAXIMILIAN B. RUST, doing business as M. B. Rust Laboratories, Spokane, Wash. Filed June 26, 1929.



For Liniment for the Treatment of Cuts, Burns, Aches, Pains, Sores, Bruises, Sprains, and Swellings. Claims use since Dec. 12, 1928.

Ser. No. 286,502. OMIN COMPANY, INC., Long Island City, N. Y. Filed July 2, 1929.



The portrait shown is that of Ernest Matthias Sekunna, president of Omin Company, Inc. No claim is made to the words "Tonic" and "Tablets" apart from the mark shown. Applicant is the owner of registered Trade-Mark No. 107,434.

For Tonic for General Run-Down Condition of the Human System.

Claims use since Nov. 23, 1915.

Ser. No. 287,450. CIE DUREC PRODUCTS CO. LTD., Chicoutimi, Quebec, Canada. Filed July 22, 1929.

PILOCARP

For Chemical Preparations Suitable for Increasing the Growth of the Hair, Preserving its Natural Color, and Preventing Dandruff and Itchiness.

Claims use since July 28, 1928.

Ser. No. 288,472. JAMES S. GLEGHORN, doing business as The Demilo Company, Detroit, Mich. Filed Aug. 13, 1929.

MILK MASK

No claim is made to the word "Milk" disassociated from the trade-mark shown.

For Skin Cosmetic Having Characteristics of a Powdered Mixture with a Milk Base Moistened for Application to the Skin and Removable by a Liquid, for Instance, Water.

Claims use since on or about Sept. 12, 1918.

Ser. No. 288,599. WILLIAM G. KRAUSE, doing business as Mastro-L Laboratories, Detroit, Mich. Filed Aug. 16, 1929.



The portrait shown on the accompanying drawing is fanciful. No claim is made to the words "Permanent Wave Lotion, Research Laboratories," and/or "Detroit, Michigan."

For Permanent-Wave Lotion. Claims use since Aug. 1, 1928.

Ser. No. 288,758. LESTER H. MILES, Los Angeles, Calif. Filed Aug. 20, 1929.



The lining shown on the drawing is for the purpose of shading only. No claim is made to the words "Trade Mark" apart from the mark shown on the drawing.

For Reducing, Bleaching, Cleaning, and Softening Creams.

Claims use since Aug. 4, 1929.

Ser. No. 288,825. WAYLAND-LLOYD CO., INC., Providence, R. I. Filed Aug. 21, 1929.



For Dyestuffs for Textile Fabrics, Leather, and Paper and Softeners for Textile Fabrics and Paper.

Claims use since May 13, 1929.

Ser. No. 289,026. ISAHEY-PARIS, INC., New York, N. Y. Filed Aug. 26, 1929.



For Rouge and Powder Compacts. Claims use since Aug. 1, 1929.

Ser. No. 289,106. JEAN STUART COSMETICS, INC., New Haven, Conn. Filed Aug. 29, 1929.

CHARM BOX

For Skin Cream, Skin Powder, Bath Salts, Skin Lotion, Skin Salve, Sachet Powder, Perfume, Manicuring Cream, Manicuring Lotion, Manicuring Polish, Hair Tonic, Hair Lotion, and Liquid Shampoo Soap.

Claims use since July 1, 1928.

Ser. No. 289,283. McROBERTS DRUG CO., INC., Atlanta, Ga. Filed Sept. 8, 1929.

CAL-CO-LENE

For Preparation for the Treatment of Bronchitis. Claims use since Aug. 1, 1928.

Ser. No. 289,284. McROBERTS DRUG CO., INC., Atlanta, Ga. Filed Sept. 3, 1929.

HYPNOL

For Hypnotic Preparation. Claims use since June, 1926.

Ser. No. 289,816. JOSEPH H. BRIMEYER, Minneapolis, Minn. Filed Sept. 16, 1929.

Russian Madness

For Face Powder, Face Cream, Hair Lotion, Perfume, and Nail Polish.

Claims use since Mar. 15, 1929.

Ser. No. 289,853. WILLIAM C. TREGONING, doing business as Tregoning Laboratories, Wardner, Idaho. Filed Sept. 16, 1929.



Applicant disclaims the right to the exclusive use of the word "Ointment" apart from the mark as shown on the drawing.

For Ointment for the Treatment of Eczema, Skin Eruptions, and the Like.

Claims use since Aug. 1, 1929.

Ser. No. 289,865. THE ARMAND COMPANY, INC., Des Moines, Iowa. Filed Sept. 17, 1929.



For Deodorant Powder. Claims use since Sept. 7, 1929.

Ser. No. 290,175. DRICE CORPORATION OF AMERICA, New York, N. Y., and Elizabeth, N. J., Filed Sept. 24, 1929.

TUF ICE

For Carbon Dioxide (CO₂) in Solidified Forms, Mixtures, and Compounds.

Claims use since Sept. 6, 1929.

Ser. No. 290,266. BARNETT S. MILLER, New York, N. Y.
Filed Sept. 26, 1929.



The words "Chromium Plate Process Trade-Mark" are hereby disclaimed.
For Chemical Solution to Be Used as Electrolyte in Chromium Plating
Claims use since June 1, 1928.

Ser. No. 290,424. PENINSULAR CHEMICAL COMPANY, Tampa, Fla. Filed Sept. 30, 1929.



For Agricultural Insecticides.
Claims use since July 30, 1929.

Ser. No. 290,444. AMERICAN PHARMACAL COMPANY, Detroit, Mich. Filed Oct. 1, 1929.



* For Medicines for Both External and Internal Use in the Treatment of Rheumatism, Sciatica, Neuralgia, Back-Ache, Arthritis, Lumbago, and Gout.
Claims use since Aug. 15, 1929.

Ser. No. 290,552. JOHN A. COLLINS, doing business as Collins Drug Co., San Francisco, Calif. Filed Oct. 3, 1929.



For Healing Ointment.
Claims use since Aug. 1, 1926.

Ser. No. 290,576. INTERNATIONAL PROPRIETARIES INCORPORATED, Dayton, Ohio. Filed Oct. 3, 1929.



For Liquid Cold and Cough Preparation.
Claims use since Sept. 5, 1929.

Ser. No. 290,651. GEORGE CALLAS, San Francisco, Calif. Filed Oct. 4, 1929.



For Medicinal Preparation in Both Liquid and Powder Form for the Treatment of Cancer.
Claims use since Sept. 11, 1929.

Ser. No. 290,686. BURRELL-DUGGER COMPANY, Indianapolis, Ind. Filed Oct. 5, 1929.



For Pharmaceutical Preparation Used as a Soothing Antiseptic Application for the Mucous Membranes of the Mouth and Nostrils and for the Treatment of Colds in Poultry.
Claims use since Sept. 13, 1929.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 289,912. VULCAN MATCH CO., INC., New York, N. Y. Filed Sept. 17, 1929.

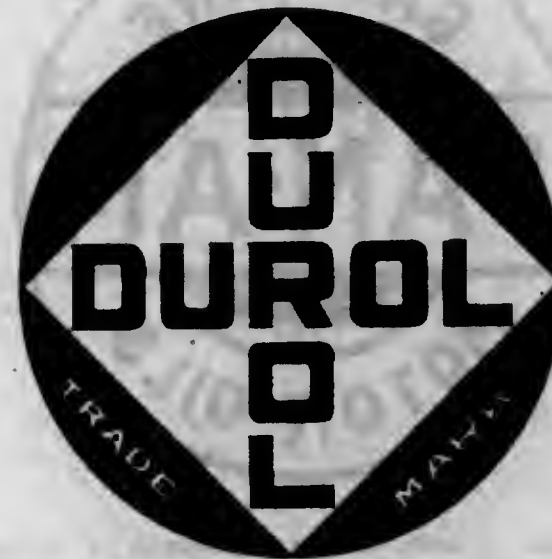


No claim being made to the exclusive use of the words "Brand Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

CLASS 11

Inks and Inking Materials

Ser. No. 289,554. CARL UNBEKANNT, Hoboken, N. J. Filed Sept. 9, 1929.



No claim is made to the words "Trade-Mark" which appear on the drawing.
For Staging Ink for Photo-Engravers.
Claims use since Oct. 9, 1927.

Ser. No. 290,079. THE NELSON-EISMANN CO., Chicago, Ill. Filed Sept. 21, 1929.

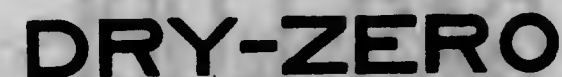


For Typewriter Ribbons.
Claims use since June 17, 1929.

CLASS 12

Construction Materials

Ser. No. 289,715. DRY-ZERO CORPORATION, Chicago, Ill. Filed Sept. 13, 1929.



For Sound-Deadening and Thermal-Insulation Material.
Claims use since Feb. 1, 1925.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 281,040. UTICA CUTLERY COMPANY, Utica, N. Y. Filed Mar. 20, 1929.



For Metal Knife Racks.
Claims use since Feb. 26, 1929.

Ser. No. 281,321. SHAND AND JURS CO., Berkeley, Calif. Filed Mar. 25, 1929.



For Valve-Operated Liquid-Level Controls, Diaphragm Valves, Vacuum and Pressure Still Valves, Hydraulic Internal Tank Valves, Faucets, Vacuum and Pressure Valves, Internal Valves, Fire Hydrants, Hose Gate Valves, Hose Racks, Metal Drains, Strainers, Remote-Control Valves, and Flush Valves.
Claims use since January, 1926.

Ser. No. 281,471. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y. Filed Mar. 28, 1929.



For Expansion Joints for Steam Lines.
Claims use since Mar. 19, 1929.

Ser. No. 285,263. FEDCO SYSTEM, INCORPORATED, New York, N. Y. Filed June 8, 1929.

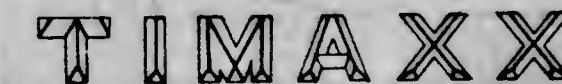


For Identification Means—Namely, Plates Bearing Identifying Indicia and Adapted to be Attached to Various Articles to Establish the Identity or Ownership of said Articles, so as to Discourage Theft Thereof.
Claims use since July 1, 1925.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 290,200. TAYLOR-WHARTON IRON AND STEEL COMPANY, High Bridge, N. J. Filed Sept. 24, 1929.



For Iron or Steel Alloys.
Claims use since on or about Sept. 3, 1929.

Ser. No. 290,530. STODDY COMPANY, Whittier, Calif.
Filed Oct. 2, 1929.

BOROD

For Welding Rods.
Claims use since Sept. 23, 1929.

CLASS 15

Oils and Greases

Ser. No. 272,623. SEABOARD PETROLEUM CORPORATION,
Los Angeles, Calif. Filed Sept. 18, 1928.

SEABOARD

For Gasoline, Kerosene, Benzine, Distillate—Namely, a
Fuel for Engines of the Diesel Type; Naphtha, Fuel Oil,
Lubricating Oils, Lubricating Greases.
Claims use since Dec. 22, 1927.

Ser. No. 282,648. THE GREAT WESTERN OIL COMPANY,
Cleveland, Ohio. Filed Apr. 19, 1929.

XL-CR

For Gasoline.
Claims use since 1901.

Ser. No. 286,158. CRYSTAL CITY FUEL & OIL CO., INCOR-
PORATED, Crystal City, Mo. Filed June 26, 1929.



For Petroleum Products—Namely, Gasoline, Kerosene,
Fuel Oil, and Lubricating Oils and Greases.
Claims use since Jan. 1, 1928.

Ser. No. 287,884. PAN AMERICAN PETROLEUM & TRANS-
PORT COMPANY, Wilmington, Del. Filed July 30, 1929.



No claim is made for the registration of the words
"Gasoline" and "Motor Oils" apart from the mark shown
in the drawing. Applicant controls the company of
which the registrant of Certificate No. 192,004 is a sub-
sidiary.

For Gasoline, Lubricating Oils, and Greases.
Claims use since prior to Aug. 1, 1926.

Ser. No. 288,932. STANDARD OIL COMPANY, Whiting, Ind.,
and Chicago, Ill. Filed Aug. 23, 1929.



The word "Rich" is disclaimed apart from the mark
shown in the drawing.
For Lubricating Oils.
Claims use since Apr. 23, 1929.

Ser. No. 290,153. L. SONNEBORN SONS, INC., New York,
N. Y. Filed Sept. 23, 1929.

GAS-LUBE

For Lubricating Oil for Internal-Combustion Engines.
Claims use since July 1, 1929.

CLASS 16

Paints and Painters' Materials

Ser. No. 267,829. ALBERT BOEHRINGER, doing business as
C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine,
Germany. Filed June 11, 1928.

Lactonal

For Chemical Solvents for Industrial Purposes—
Namely, Solvents and Softening Agents for Paints and
Lacquers.

Claims use since Apr. 13, 1927.

Ser. No. 280,776. GOLD MEDAL PRODUCTS COMPANY, North
Chicago, Ill. Filed Mar. 15, 1929.



The exclusive right to the use of the words "Houston's
Gold Medal Rock Hard Water Putty" apart from the
mark as shown is not claimed.

For Putty.
Claims use since April, 1908.

Ser. No. 287,742. MAUD P. DAY, doing business as H. A.
Day & Son Co., Bangor, Me. Filed July 27, 1929.

Lone Eagle



For Polish for Furniture, Planos, Organs, and Wood
Requiring a Hardwood Finish.
Claims use since February, 1928.

Ser. No. 290,288. AMERICAN CHEMICAL PAINT COMPANY,
Lower Gwynedd Township, Montgomery County, Pa.
Filed Sept. 27, 1929.

PARADOX

For Primer for Ferrous Metals.
Claims use since Sept. 6, 1929.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 281,702. JORDAN MOTOR CAR COMPANY, INC.,
Cleveland, Ohio. Filed Apr. 1, 1929.



For Automobiles.
Claims use since May 1, 1929.

Ser. No. 289,049. E. L. SUTTER, St. Paul, Minn. Filed
Aug. 26, 1929.



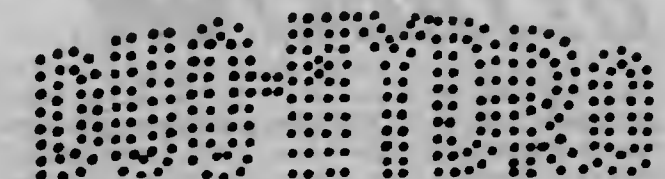
The lining on the drawing indicates the color red.
For Automobile Heaters Utilizing Engine Heat.
Claims use since Aug. 13, 1929.

Ser. No. 290,333. ANDERSON MANUFACTURING CO., Cam-
bridge, Mass. Filed Sept. 28, 1929.



For Aprons for Automobile Mud Guards.
Claims use since Sept. 10, 1929.

Ser. No. 290,335. BOONE ENGINEERING COMPANY, Rockford,
Ill. Filed Sept. 28, 1929.



For Shock Absorbers.
Claims use since Dec. 12, 1928.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 254,074. **ELECTRIC SERVICE SUPPLIES COMPANY**, Philadelphia, Pa. Filed Aug. 29, 1927.

CRYSTAL VALVE

For Lightning Arresters.
Claims use since about March, 1926.

Ser. No. 278,091. **CHICAGO JEFFERSON FUSE & ELECTRIC CO.**, Chicago, Ill., now, by change of name, **Jefferson Electric Company**, Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1929.



In the drawing the lines indicate shading only.
For Renewable Enclosed Fuses and Parts Thereof, Non-renewable Fuses, Fuse Links, Fuse Wire, Fuse Strip, Plug Cartridge Fuses, Plug Fuses, Mica-Top Plug Fuses, Radio Fuses, Automobile Fuses, Instrument-Protection Fuses, Cut-Out Bases, Cut-Out Fittings, Radio Fuse Bases, Automobile Fuse Bases, Fuse-Plug Cut-Out Bases, Outlet Boxes and Attachments Therefor, Switch Boxes and Attachments Therefor, Flush-Device Boxes and Attachments Therefor, Conduit Fittings and Attachments Therefor, Receptacle Boxes, Bushings and Lock Nuts for Electrical Conduit, Electrical Conduit Connectors, Wiring Receptacles, Lamp Guards, Fixture Studs, Insulating Joints, Ignition Coils, Electric Transformers, Electric Switches, Spark Coils, Radio Tube Rejuvenators, Radio Tube Chargers, Radio Choke Coils.

Claims use since July 19, 1928.

Ser. No. 284,535. **GENERAL OUTDOOR ADVERTISING CO., INC.**, New York, N. Y. Filed May 23, 1929.

ATTRACTOM

For Electrical Apparatus Comprising a Rotating Colored Disk and a Rotating Element Mounted in Front of Said Disk Which is Used in Connection with Signs to Attract Attention Thereto.

Claims use since July, 1928.

Ser. No. 285,343. **EDISON ELECTRIC APPLIANCE CO., INC.**, Chicago, Ill. Filed June 10, 1929.



The trade-mark consists in a design made up of a broken line of blue spirally disposed around the conductor wire upon a background of gray, such design being produced by weaving into the gray loom of the wire two parallel and adjacent blue strands or threads. In the drawing the color lines represent the color blue.

For Insulated Electric Wires or Conductors.
Claims use since February, 1927.

Ser. No. 285,344. **EDISON ELECTRIC APPLIANCE CO., INC.**, Chicago, Ill. Filed June 10, 1929.



The trade-mark consists in a design made up of a broken line of gray spirally disposed around the conductor wire upon a background of blue, such design being produced by weaving into the blue loom of the wire two parallel and adjacent gray strands or threads. In the drawing the color lines represent the color blue.

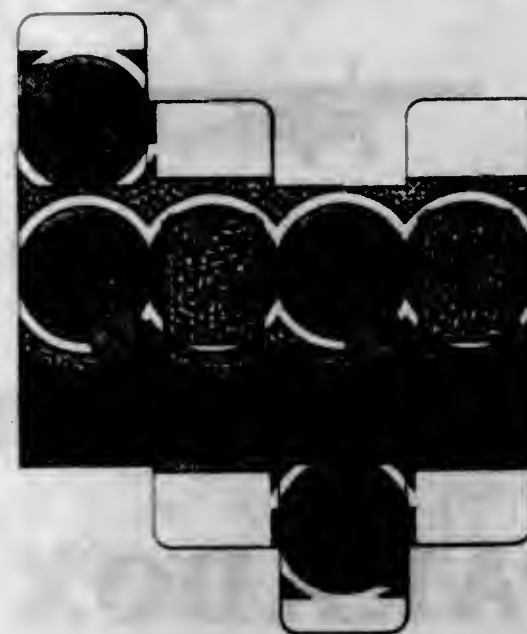
For Insulated Electric Wires or Conductors.
Claims use since February, 1927.

Ser. No. 287,737. **CHICAGO HARDWARE FOUNDRY COMPANY**, North Chicago, Ill. Filed July 27, 1929.

Beauti-AIR

For Electrically Actuated Hot-Air Driers, Used in Laboratories and the Like.
Claims use since Dec. 19, 1928.

Ser. No. 288,087. **RAYTHEON PRODUCTION CORPORATION**, Newton, Mass. Filed Aug. 8, 1929.



The colors indicated on the drawing by the various types of cross-hatching are as follows: The hatching with

lines crossing perpendicularly to each other and spaced at regular intervals indicates black. The hatching with regularly spaced lines going at an angle of 45° from left to right indicates green. The hatching with the broken lines crossing each other at right angles and both at 45° to the horizontal, indicates orange. The colors, however, are not essential. No claim is made to the representation of a carton.

For Vacuum Tubes, Valves, and Television Lamps.
Claims use since Oct. 6, 1928.

Ser. No. 288,161. **AERELECTRON CORPORATION**, New York, N. Y. Filed Aug. 6, 1929.

**AERELECTRON
MAGRINI**

No claim is made to the use of the word "Magrini" apart from the mark as shown.

For Electrical Apparatus for Generating Ozone.
Claims use since Oct. 20, 1928.

Ser. No. 288,324. **FIRST NATIONAL RADIO CORPORATION**, New York, N. Y. Filed Aug. 9, 1929.

FIRST NATIONAL

For Radio Receiving Sets.
Claims use since May 1, 1929.

Ser. No. 288,535. **THE A-C DAYTON COMPANY**, Dayton, Ohio. Filed Aug. 14, 1929.

"NAVIGATOR"

For Radio Receiving Sets and Radio Electron Tubes.
Claims use since Apr. 1, 1929.

Ser. No. 289,442. **BURGESS BATTERY COMPANY**, Madison, Wis. Filed Sept. 7, 1929.

BRIG

For Electric Batteries.
Claims use since June 2, 1928.
388 O. G.—20

Ser. No. 289,710. **A. R. CAMPBELL**, doing business as Welco Storage Battery Company, Flint, Mich. Filed Sept. 13, 1929.

WELCO

For Storage Batteries.
Claims use since November, 1924.

Ser. No. 289,728. **WM. FILENE'S SONS COMPANY**, Boston, Mass. Filed Sept. 18, 1929. Under section 5b of the act of 1905 as amended in 1920.

Filene's

For Electric Lamps (Table, Bridge, and Floor), Flash Lights, Batteries.
Claims use since prior to Jan. 1, 1928.

Ser. No. 289,768. **B. F. STURLEVANT COMPANY**, Hyde Park, Mass. Filed Sept. 13, 1929.



For Electric Motors, Dynamos, and Generating Sets and Parts Thereof, and Electric Fans and Blowers.
Claims use since Dec. 22, 1928.

Ser. No. 289,958. **THE AUTOCALL COMPANY**, Shelby, Ohio. Filed Sept. 19, 1929.

"xylotone"

For Apparatus and Equipment for Use in Paging Service, Such Apparatus and Equipment Consisting of Electrically-Operated Code Senders and Signal Transmitters for Use in Automatic Code Signaling, Electrically Operated or Controlled Bells, Gongs, and Buzzers; and Electric Motors, Switches, Panel Boards, Batteries, and Components of Apparatus as Aforesaid.
Claims use since Aug. 27, 1929.

CLASS 22

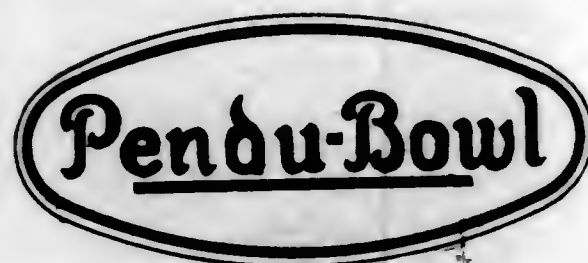
Games, Toys, and Sporting Goods

Ser. No. 286,364. GUY L. BONHAM, West Hartford, Conn.
Filed June 29, 1929.



No claim is made for the word "Bowl" apart from the mark shown in the drawing.
For Table Bowling Games.
Claims use since June 17, 1929.

Ser. No. 286,365. GUY L. BONHAM, West Hartford, Conn.
Filed June 29, 1929.



No claim is made for the word "Bowl" apart from the mark shown in the drawing.
For Bowling Games.
Claims use since June 17, 1929.

Ser. No. 288,141. THE METALCRAFT CORPORATION, St. Louis, Mo. Filed Aug. 5, 1929.



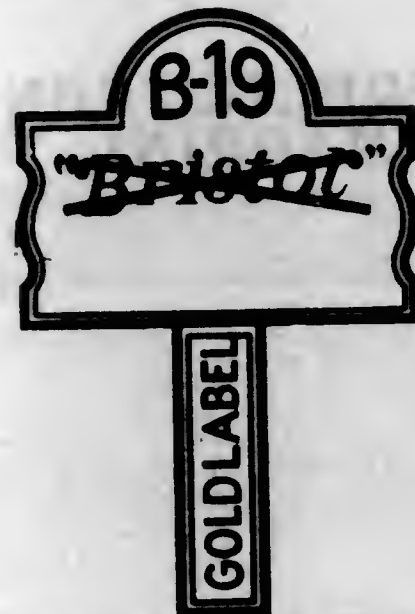
For Toys—Namely, Aeroplanes, Airships, Hangars, Beacon Lights, Mooring Masts, Airport Fields, Airport-Field Stations, Toy Railroad cars, Railroad Stations, Tracks, and Mechanically-Operated Toys, and Construction Sets for Aeroplanes, Airships, Hangars, Mooring and Beacon-Light Masts, Toy Railroad Cars, Railroad Stations, Airport-Field Stations.
Claims use since May 21, 1929.

Ser. No. 289,711. RALPH DAYTON CHURCH, Dallas, Tex.
Filed Sept. 13, 1929.

HIC-MA-CHIC

For Toys, Actuated by Friction and Vibration.
Claims use since July 24, 1929.

Ser. No. 289,744. THE HORTON MANUFACTURING COMPANY, Bristol, Conn. Filed Sept. 13, 1929.



No claim is made to the exclusive use of a label colored gold.

Applicant is the owner of registered Trade-Marks No. 50,916, No. 157,980, and No. 239,544.
For Steel Shafts for Golf Clubs.
Claims use since May 15, 1929.

Ser. No. 290,110. THE AMERICAN NATIONAL COMPANY, Toledo, Ohio. Filed Sept. 23, 1929.



For Juvenile Vehicles in the Nature of Toys—Namely, Aeroplanes, Automobiles, Bicycles, Doll Carriages, Pedal Cars, Hand Cars, Locomotives, Motor and Sail Boats, Scooters, Sulkies, Velocipedes, Trucks, Wagons, Walkabout Baby Bikes and Wheelbarrows.
Claims use since 1900.

Ser. No. 290,613. SHARR, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 3, 1929.

"Little Cook"

For Toy Electric Stoves.
Claims use since Aug. 13, 1929.

Ser. No. 290,629. UNITED DRUG COMPANY, Boston, Mass.
Filed Oct. 3, 1929.



For Playing Cards.
Claims use since Sept. 5, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 277,271. E. A. BERGS FABRIKS AKTIEBOLAG, Eskilstuna, Sweden. Filed Dec. 28, 1928.



For Cold Chisels, Paring Knives, Shoe Pincers, Cutting Nippers, Pliers, Shears, Bolt Clippers, Can Openers, Vises, Hole Punches, Screw Drivers.
Claims use since 1890.

Ser. No. 281,405. BURGESS NORTON MFG. CO., Geneva, Ill. Filed Mar. 27, 1929.



For Pistons, Piston Pins, Power-Transmission Clutches and Parts Thereof, and Poppet Valves for Internal-Combustion Engines.
Claims use since Apr. 1, 1919.

Ser. No. 284,570. FROBANA AKTIENGESELLSCHAFT, Barmen, Germany. Filed May 24, 1929.

Frobana

For Machines for Use in the Manufacture of Shoes and the Like—Namely, Sewing Machines for Attaching Soles to the Uppers, Shaft-Stitching Machines, Trimming and Paring Machines, Leather Press Rolls, and Forms Presses; and Shoe-Working Tools—Namely, Needles and Awls.
Claims use since about Jan. 1, 1927.

Ser. No. 287,186. THE HERBRAND CO., Fremont, Ohio. Filed July 16, 1929.

VAN CHROME

The word "Chrome" is disclaimed without prejudice apart from the mark as shown.
For Wrenches of All Kinds.
Claims use since 1919.

Ser. No. 287,577. FRIEDR. HERDER ABR. SOHN, Solingen, Germany. Filed July 24, 1929.



For Table Knives and Carvers, Bread Knives; Fruit, Butter, and Cheese and Fish Knives; Paring, Bean, and Kitchen Knives; Gardeners', Pruning, and Inoculating Knives; Knives of All Sorts for Craftsmen, as Shoemakers, Painters, Glaziers, Farriers, Basket Makers; Sculpture, Putty, and Cook Knives; Bakers' and Butchers' Knives; Ham, Meat, Larding Knives; Choppers, Can Openers, Sailor Knives; Tobacco and Cigar Knives; Razors; Pen and Pocket Knives; Erasing Knives; Hunting, Bowie Knives, and Daggers; Hair and Beard Clippers; Horse, Sheep, and Cattle Clippers; Scissors, Machetes (Long Sabrelike Knives for Cutting Sugar-Cane, Bananas, Etc.); Weapons for Cutting and Stabbing; Forks, Spoons, Corkscrews, Nutcrackers, All made of Base Metal.
Claims use since Feb. 1, 1927.

Ser. No. 290,057. CLARA L. DOLL, doing business as Burham Safety Razor Co., New York, N. Y. Filed Sept. 21, 1929.



For Razor Blades.
Claims use since Sept. 16, 1929.

Ser. No. 290,202. UNITED ENGINEERING & FOUNDRY COMPANY, Pittsburgh, Pa. Filed Sept. 24, 1929.

UNEFECO

For Rolling-Mill Rolls.
Claims use since Aug. 21, 1929.

Ser. No. 290,368. E. H. JACOBS MANUFACTURING COMPANY, Danielson, Conn. Filed Sept. 28, 1929.

MASTER

For Lug Straps.
Claims use since Aug. 29, 1929.

Ser. No. 290,381. THE STANLEY WORKS, New Britain, Conn. Filed Sept. 28, 1929.



For Combination Wood-Working Planes.
Claims use since about March, 1884.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 289,300. UHLEMANN OPTICAL CO., Chicago, Ill.
Filed Sept. 3, 1929.



In the drawing a part thereof is lined to indicate the color blue. The words "Accommodation" and "Convergence" are hereby disclaimed except in combination with the other features of the mark.

For Lenses for Eyeglasses.
Claims use since Aug. 1, 1929.

Ser. No. 289,820. CONSISTOMETER CORPORATION, Chicago, Ill.
Filed Sept. 16, 1929.

Consistometer

For Instruments for Measuring the Film Fracture, Viscosity, Shearing Point, Channelling, and Other Properties of Oils, Greases, Lubricants, Paints, Etc., Both at High and Low Temperatures.
Claims use since Mar. 8, 1929.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 289,010. GEMEX COMPANY, Newark, N. J. Filed Aug. 26, 1929.

RANGER

For Watch Straps, Watch Attachments—Namely, Watch Chains, Fobs, and Charms; Neck Chains, Bracelets, Scarfpins, Finger Rings, and Belt Buckles; Ear Ornaments and Hair Ornaments Made of or Plated with Precious Metal.
Claims use since July 15, 1929.

Ser. No. 289,011. GEMEX COMPANY, Newark, N. J. Filed Aug. 26, 1929.

ALLEGRO

For Watch Bracelets, Watch Straps, Watch Attachments—Namely, Fobs and Charms, Neck Chains, Watch Chains, Bracelets, Scarfpins, Finger Rings, and Belt Buckles, and Ear and Hair Ornaments Made of or Plated with Precious Metal.
Claims use since July 15, 1929.

Ser. No. 289,588. LOCKHART SALES CORPORATION, Brooksville, Fla. Filed Sept. 10, 1929.



For Gold and Silver Plated Monograms.
Claims use since July 1, 1929.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 286,781. IRONWOOD MANUFACTURING COMPANY, Ironwood, Mich. Filed July 8, 1929.

KWICKWAY

For Mops and Dusting Brushes.
Claims use since June 10, 1929.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 290,291. L. BAMBERGER & Co., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Chinaware, Porcelain Ware, and Earthenware.
Claims use since July, 1924.

CLASS 31

Filters and Refrigerators

Ser. No. 288,334. THE B. B. HANAK COMPANY, Chicago, Ill. Filed Aug. 9, 1929.



For Refrigerator Show Cases or Counters.
Claims use since May 15, 1929.

CLASS 32

Furniture and Upholstery

Ser. No. 281,769. THE DODGE-DICKINSON CO., Bloomington, Ill. Filed Apr. 3, 1929.

GILT EDGE

For Mattresses.
Claims use since about Jan. 1, 1890.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not Including Electrical Apparatus

Ser. No. 281,207. HEATILATOR COMPANY, Syracuse, N. Y. Filed Mar. 23, 1929.

HEATILATOR

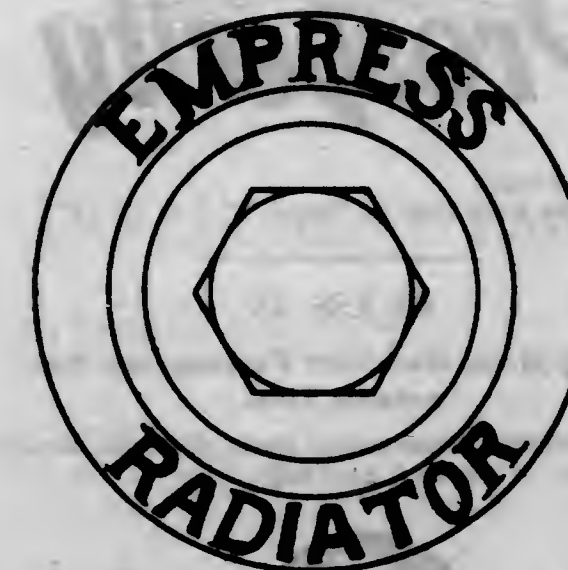
For Sheet-Metal Fireplace.
Claims use since Jan. 1, 1927.

Ser. No. 283,713. BROWN & BIGELOW, St. Paul, Minn. Filed May 9, 1929.

Redilite

For Pyrophoric Cigar Lighters.
Claims use since Apr. 1, 1929.

Ser. No. 288,273. CROUSE & POPE FOUNDRY CORPORATION, Auburn, N. Y. Filed Aug. 8, 1929.



The word "Radiator" is disclaimed apart from the mark as shown. The representation of a radiator hub and tie bolt is disclaimed per se.
For Steam and Hot-Water Radiators.
Claims use since Apr. 1, 1929.

Ser. No. 288,905. FAY MANUFACTURING CO., Chicago, Ill. Filed Aug. 23, 1929.

Girl of the Hour

For Friction and Other Pyrophoric Lighters for Cigars, Cigarettes, and the Like.
Claims use since about June 15, 1929.

Ser. No. 289,313. DENSTEN FELT AND HAIR COMPANY, INC., Philadelphia, Pa. Filed Sept. 4, 1929.



No claim being made to the word "Underugs" apart from the mark shown in the drawing.
For Carpet and Rug Cushions.
Claims use since Aug. 1, 1929.

Ser. No. 290,053. COLUMBIA FEATHER COMPANY, Chicago, Ill. Filed Sept. 21, 1929.



No claim being made to the words "The" and "Pillow" apart from the mark as shown.
For Pillows.
Claims use since July 16, 1929.

Ser. No. 290,273. SIMMONS COMPANY, New York, N. Y. Filed Sept. 26, 1929.

Ace

For Box Springs.
Claims use since Oct. 16, 1928.

CLASS 33

Glassware

Ser. No. 290,294. L. BAMBERGER & Co., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Glassware.
Claims use since July, 1924.

Ser. No. 290,244. R. E. DIETZ COMPANY, New York, N. Y.
Filed Sept. 26, 1929.

No. 999 KEROSENE

No registration rights are claimed in the word "Kerosene" alone.
For Oil-Burning Lanterns and Parts Thereof.
Claims use since June 12, 1929.

Ser. No. 290,329. THE WILCOLATOR COMPANY, Newark, N. J. Filed Sept. 27, 1929.

AQUALATOR

For Device for Purifying, Humidifying, and Conditioning the Atmosphere in Rooms or Other Enclosed Places.
Claims use since Aug. 22, 1929.

Ser. No. 290,430. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Sept. 30, 1929.

Prosperity

For Gas Ranges.
Claims use since June 20, 1929.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 288,806. HEERWAGEN BROS. CO. INC., Fayetteville, Ark. Filed Aug. 21, 1929.



The photographs depicted in the drawing are india-ink drawings of three brothers constituting the officers of the applicant's corporation. They are living individuals, and on the left is Geo. F. Heerwagen, at the center of the top Paul K. Heerwagen, and at the right Louie M. Heerwagen.
For Piston Rings, Radiator Hose, Garden Hose, and Transmission Linings for Automobiles.
Claims use since 1927.

Ser. No. 289,773. WESTERN LEATHER BELTING COMPANY, Salt Lake City, Utah. Filed Sept. 13, 1929.

BEEHIVE

For Leather Belting.
Claims use since May 9, 1929.

Ser. No. 289,775. WESTERN LEATHER BELTING COMPANY, Salt Lake City, Utah. Filed Sept. 13, 1929.

ESSLAKE

For Leather Belting.
Claims use since May 9, 1929.

Ser. No. 289,776. WESTERN LEATHER BELTING COMPANY, Salt Lake City, Utah. Filed Sept. 13, 1929.

OAKROME

For Leather Belting.
Claims use since May 9, 1929.

Ser. No. 289,777. WESTERN LEATHER BELTING COMPANY, Salt Lake City, Utah. Filed Sept. 13, 1929.

WELBCO

For Leather Belting.
Claims use since May 9, 1929.

CLASS 36

Musical Instruments and Supplies

Ser. No. 231,144. JACOB DOLL & SONS, New York, N. Y., assignor to Emil E. Gabler, trading as Ernest Gabler & Brother, New York, N. Y. Filed May 5, 1926.

GABLER

For Pianos, Both Regular and Player.
Claims use since 1854.

CLASS 38

Prints and Publications

Ser. No. 278,799. MILLIS ADVERTISING COMPANY, Indianapolis, Ind. Filed Feb. 2, 1929.

THE Furnitor

For Trade Publication Published Monthly.
Claims use since Dec. 1, 1928.

Ser. No. 278,918. MARTY J. BERG, New York, N. Y. Filed Feb. 6, 1929.

**BREEZY BITS
OF
BOXING NEWS**
By MARTY J. BERG

For Column of Boxing News for Newspaper Publication.
Claims use since Jan. 18, 1929.

Ser. No. 283,073. W. E. WILLARD & COMPANY, INC., New York, N. Y. Filed Apr. 26, 1929.

INVESTMENT FACTS

For Publication Issued Monthly.
Claims use since July 1, 1926.

Ser. No. 283,629. THE STANDARD PUBLISHING COMPANY, Cincinnati, Ohio. Filed May 7, 1929.

The Lookout

For Weekly Magazine.
Claims use since January, 1888.

Ser. No. 285,120. MYRTYL GLENN TERRY, Bartlesville, Okla. Filed June 5, 1929.

THE YELLOW DUCK RHYMES

For Newspaper Articles Published from Time to Time.
Claims use since September, 1925.

Ser. No. 284,707. UNITED STATES TALKING FILM CORP., Chicago, Ill. Filed May 27, 1929.

VIZIPHONE

For Talking Machines.
Claims use since Oct. 1, 1926.

Ser. No. 289,268. EXCELSIOR ACCORDION MFG. CO., New York, N. Y. Filed Sept. 3, 1929.



No claim is made herein to the illustration of an accordion apart from the mark shown in the drawing.
For Accordions.
Claims use since July 3, 1929.

CLASS 37

Paper and Stationery

Ser. No. 288,044. ZELOID PRODUCTS CORPORATION, INC., Holyoke, Mass. Filed Aug. 2, 1929.

ZELOID

For Material in Sheets, Rolls, and Folds Which is Made from Chemical Compositions and is Transparent and Pliable and Adapted to be Used as a Transparent Wrapping Paper.
Claims use since Jan. 25, 1929.

Ser. No. 289,855. THE UNION PAPER & TWINE COMPANY OF MICHIGAN, Detroit, Mich. Filed Sept. 16, 1929.

MOERSHIRE

For Bond Paper for Writing and Printing Purposes.
Claims use since about June 10, 1928.

Ser. No. 285,467. N E A SERVICE, INC., Cleveland, Ohio. Filed June 12, 1929.

**The NUT
CRACKER**

For Title of a Newspaper Section.
Claims use since Nov. 1, 1923.

Ser. No. 286,358. MORRIS I. PICKUS, doing business as The Compass Sales Co., Chicago, Ill. Filed June 29, 1929.

**The
SELLING
COMPASS**

For Pamphlets Published from Time to Time.
Claims use since Apr. 1, 1929.

Ser. No. 289,409. MacFADDEN PUBLICATIONS, INC., New York, N. Y. Filed Sept. 6, 1929.

**MODEL
AIRPLANE
NEWS**

For Monthly Magazine.
Claims use since June 17, 1929.

Ser. No. 289,537. PUBLICITY BUREAU FOR STATE POLICE, INC., New York, N. Y. Filed Sept. 9, 1929.

**State Police
MAGAZINE**

For Periodical at Present Issued Quarterly.
Claims use since on or about January, 1921.

Ser. No. 290,080. NELSON & KUMMERLING, INC., Canton, Ohio. Filed Sept. 21, 1929.

**N-K
TREE**

For Periodical Publication.
Claims use since Aug. 1, 1929.

Ser. No. 290,119. DOUBLEDAY, DORAN BOOK SHOPS, INC., Garden City, N. Y. Filed Sept. 23, 1929.

**THE
BOOK DIAL**

For Leaflets, Pamphlets, Books, or Booklets Published from Time to Time.
Claims use since Oct. 24, 1923.

Ser. No. 290,120. FARMERS AUTOMOBILE INTER-INSURANCE EXCHANGE, Los Angeles, Calif. Filed Sept. 23, 1929.

The Hustler

For Periodicals.
Claims use since May 1, 1929.

Ser. No. 290,123. FIRESIDE INDUSTRIES, INC., Adrian, Mich. Filed Sept. 23, 1929.

FIRESIDE NEWS

For Monthly Publication.
Claims use since February, 1924.

Ser. No. 290,223. NEW REPUBLIC, INCORPORATED, New York, N. Y. Filed Sept. 25, 1929.

**The New
REPUBLIC**

For Periodical.
Claims use since November, 1914.

Ser. No. 290,229. THE UNITED STATES DAILY PUBLISHING CORPORATION, doing business as David Lawrence Publications, Washington, D. C. Filed Sept. 25, 1929.

**THE UNITED STATES
AVIATION
QUARTERLY**

For Periodical Published Quarterly.
Claims use since Sept. 17, 1929.

Ser. No. 290,246. ELECTRICAL TRADE PUBLISHING COMPANY, Chicago, Ill. Filed Sept. 26, 1929.

**MILL
SUPPLIES**

For Periodical.
Claims use since January, 1911.

Ser. No. 290,258. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Sept. 26, 1929.

**PEARL
BUTTON**

For Newspaper Cartoons.
Claims use since June 30, 1929.

Ser. No. 290,342. DELL PUBLISHING CO. INC., New York, N. Y. Filed Sept. 28, 1929.

**TALKING
SCREEN**

For Printed Periodical Published Monthly and at Other Intervals.
Claims use since Sept. 26, 1929.

Ser. No. 290,378. THE SHARPLES SPECIALTY COMPANY, Philadelphia, Pa. Filed Sept. 28, 1929.

CENTRIFAX

For Magazine and House Organ to be Issued Monthly.
Claims use since Sept. 21, 1929.

Ser. No. 290,490. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

BUG MOVIES

For Cartoons.
Claims use since Jan. 9, 1929.

Ser. No. 290,491. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

BUG LEAGUE BARRY

For Cartoons.
Claims use since May 27, 1929.

Ser. No. 290,492. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

**SANKHO
AND THE
DON**

For Cartoons.
Claims use since Jan. 9, 1929.

Ser. No. 290,493. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

ANIMAL CRACKERS

For Cartoons.
Claims use since May 27, 1929.

Ser. No. 290,494. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

**Cookie
Pushers**

For Cartoons.
Claims use since Jan. 9, 1929.

Ser. No. 290,495. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

MAKE BELIEVE MARY

For Cartoons.
Claims use since July 7, 1929.

Ser. No. 290,496. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

MY BIG BRUDDER

For Cartoons.
Claims use since Jan. 9, 1929.

Ser. No. 290,497. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

JIMMY JAM

For Cartoons.
Claims use since May 27, 1929.

Ser. No. 290,498. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

SWEET TOOTH EDDIE

For Cartoons.
Claims use since July 7, 1929.

Ser. No. 290,499. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

DEADWOOD GULCH

For Cartoons.
Claims use since Jan. 9, 1929.

Ser. No. 290,500. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

JOHNATHAN JAZZBO AND JIM

For Cartoons.
Claims use since Aug. 8, 1929.

Ser. No. 290,501. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

CLANCY THE COP

For Cartoons.
Claims use since May 27, 1929.

Ser. No. 290,502. DELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 2, 1929.

PERCY and FERDIE

For Cartoons.
Claims use since July 7, 1929.

Ser. No. 290,544. BUSINESS NEWS PUBLISHING CO., Detroit, Mich. Filed Oct. 3, 1929.

ELECTRIC REFRIGERATION NEWS

For Periodical.
Claims use since Sept. 11, 1928.

Ser. No. 290,697. GREENBACK PUBLICATIONS, INC., New York, N. Y. Filed Oct. 5, 1929.

STORIETTES
The short, **SHORT**
STORY MAGAZINE

No claim being made to the words "The Short Story Magazine" apart from the mark shown.
For Monthly Publication.
Claims use since Oct. 1, 1929.

Ser. No. 290,704. THE INDIA RUBBER REVIEW COMPANY, Akron, Ohio. Filed Oct. 5, 1929.

**INDIA RUBBER &
TIRE
REVIEW**

For Periodicals.
Claims use since on or about September, 1923.

CLASS 39

Clothing

Ser. No. 256,762. THE BURY QUILTING MANUFACTURING COMPANY LIMITED, Manchester, England. Filed Oct. 29, 1927.



Registration of this trade-mark shall give no right to the exclusive use of the words "The Master."
For Waistcoats Made of White Cotton, White Mercerized Real White Silk, Real White Silk and Cotton, White Arti-

ficial Silk and Cotton, White Linen, Pique, Diamond, Fancy Cotton, Colored Cotton, Colored Mercerized, Colored Artificial Silk and Cotton, Colored Real Silk, Colored Real Silk and Cotton, Colored Linen, and Woolen Waistcoats; Caps and Cap Covers, Collars, Fancy Evening Bows, and Cravats; Men's Shirt Cuffs, Complete Ladies' Dresses (but Not Including Blouses), Waistcoat Slips.
Claims use since September, 1908.

Ser. No. 262,299. FAY & KING, New York, N. Y. Filed Feb. 27, 1928.

**Fay King
Hosiery**

No claim is made to the exclusive use of the word "Hosiery" apart from the mark shown on the drawing.
For Hosiery.
Claims use since about August, 1927.

Ser. No. 270,599. VIDA L. MOORE, doing business as Vida L. Moore Models, Inc., New York, N. Y. Filed Aug. 4, 1928.



No claim being made to the words "Slenderizing, Weave," and "Silk Stocking" apart from the mark shown in the drawing.
For Stockings.
Claims use since July 15, 1928.

Ser. No. 272,721. KNICKERBOCKER MEN'S SHOPS, INC., New York, N. Y. Filed Sept. 20, 1928.

Edited Haberdashery

Knickerbocker

Applicant hereby disclaims the exclusive right to the use of the word "Haberdashery" except as the same is used in connection with the other features of the mark shown on the drawing.

For Men's and Boys' Neckwear—i. e., Cravats and Ties, Mufflers, Garters, Belts for Outer Wear, Robes in the Nature of Dressing Gowns and Bath Robes, Pajamas, Sweaters, Overshoes, Nightshirts, Leather Gloves.
Claims use since Sept. 4, 1928.

Ser. No. 272,924. LOUIS BASKIND & CO., INC., New York, N. Y. Filed Sept. 25, 1928.



For Men's and Boys' Dress, Negligee, Flannel Shirts, and Pajamas.
Claims use since Aug. 31, 1928.

Ser. No. 277,619. MAURICE V. ELWOOD INC., New York, N. Y. Filed Jan. 5, 1929.



The applicant hereby disclaims the name "Maurice V. Elwood, Inc." and the geographical term "New York" apart from the mark as shown on the drawing.

For Fur Coats for Men, Women, or Children, Fur Scarfs, and Fur Neck Pieces.
Claims use since Dec. 1, 1925.

Ser. No. 279,246. ROBERT STEINBERG, New York, N. Y. Filed Feb. 12, 1929.

REDUCTO

For Women's Girdles.
Claims use since Dec. 1, 1926.

Ser. No. 281,087. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Mar. 21, 1929.

babette

For Women's, Misses', and Children's Shoes of Leather or Fabric.
Claims use since about Feb. 15, 1929.

Ser. No. 281,208. HICKEY-FREEMAN CO., Rochester, N. Y.
Filed Mar. 23, 1929.

Wicker Weave

Exclusive right to the word "Weave" apart from the mark as shown in the drawing is disclaimed.
For Men's Suits Consisting of Coat, Vest, and Trousers.
Claims use since Mar. 6, 1929.

Ser. No. 283,091. CUMBERLAND RAINCOAT COMPANY, Jellico, Tenn. Filed Apr. 27, 1929.



Sheds water like a duck's back

The representation of the goods is disclaimed, and the words "Sheds Water Like a Duck's Back" and "Cumberland Raincoat" are disclaimed apart from the mark as shown on the drawing.

For Raincoats for Men, Women, and Children.
Claims use since July 1, 1927.

Ser. No. 283,869. HOME TRADE SHOE STORE, INC., Minneapolis, Minn. Filed May 11, 1929.



For Boots and Shoes Made of Leather, Rubber, and Fabric and of a Combination of Said Materials.
Claims use since Oct. 13, 1894.

Ser. No. 285,797. RUTH A. THOMAS, Swampscott, Mass.
Filed June 19, 1929.

EVERY
STITCH



BY
HAND

No claim being made for the words "Every Stitch by Hand" apart from the trade-mark shown in the drawing. The heart-shaped figure is lined for red.
For Neckties for Men.
Claims use since May 23, 1929.

Ser. No. 285,941. SCHRAMM & SCHMIDT COMPANY, Burlington, Iowa. Filed June 21, 1929.



The descriptive words "For the Farm" as they appear on the drawing submitted are hereby disclaimed as a part of the mark sought to be registered. The lining appearing on the drawing is merely for shading purposes only.
For Overalls and Work Jackets.
Claims use since Apr. 15, 1929.

Ser. No. 286,477. BURDINE, INC., Miami, Fla. Filed July 2, 1929.

Sunshine Fashions

We disclaim the right to the exclusive use of the word "Fashions" except in the association shown.
For Gloves Made of Leather, Canvas, Silk, and Other Fabrics; Ladies' and Misses' Dresses, Children's Ready-Made Dresses, Skirts for Outer Wear for the Use of Women and Children; Negligee Shirts for Use by Men, Scarfs, Corsets, Brassières Made of Textile Fabrics, Bathing Suits for Men and Women.
Claims use since Feb. 1, 1929.

Ser. No. 288,175. CARLISLE SHOE COMPANY, Carlisle, Pa.
Filed Aug. 6, 1929.

CARLISLE
LYTER-WATE
PROCESS

Applicant does not assert any exclusive right to the words "Carlisle, Lyter-Wate" and "Process" except in connection with the mark as shown.
For Leather Boots and Shoes.
Claims use since July 1, 1929.

Ser. No. 288,604. COWDEN MANUFACTURING CO., Kansas City, Mo., Galesburg, Ill., and Omaha, Nebr. Filed Aug. 16, 1929.

WORK-ACE

For Automobile Service Suits, Play Suits, Overalls, and Pants.
Claims use since Jan. 1, 1929.

Ser. No. 288,606. COWDEN MANUFACTURING CO., Kansas City, Mo., Galesburg, Ill., and Omaha, Nebr. Filed Aug. 16, 1929.

Mike's Best

For Automobile Service Suits, Play Suits, Overalls, and Pants.
Claims use since May, 1926.

Ser. No. 288,607. COWDEN MANUFACTURING CO., Kansas City, Mo., Galesburg, Ill., and Omaha, Nebr. Filed Aug. 16, 1929.

TRAINMASTER

For Automobile Service Suits, Play Suits, Overalls, and Pants.
Claims use since September, 1925.

Ser. No. 288,966. KNOX HAT COMPANY, INC., New York, N. Y. Filed Aug. 24, 1929.



For Hats for Men and Women, Overcoats for Men, Coats and Dresses for Women.
Claims use since Aug. 17, 1929.

Ser. No. 289,117. ARTHUR A. KATTEN CO. INC., New Orleans, La. Filed Aug. 28, 1929.



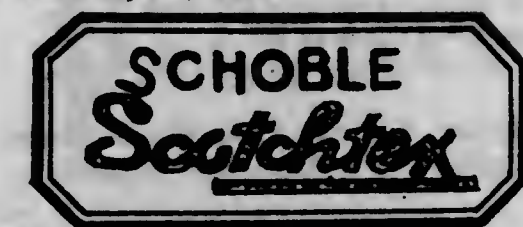
For Men's, Youths', and Boys' Outer Clothing Consisting of Coats, Suits, Trousers, and Vests.
Claims use since October, 1928.

Ser. No. 289,347. THE ENRO SHIRT COMPANY, Louisville, Ky. Filed Sept. 5, 1929.

BREEZEWEAVE

For Dress and Negligee Shirts, Knitted and Textile Underwear for Men, and Pajamas.
Claims use since Aug. 7, 1929.

Ser. No. 289,370. FRANK SCHOBLE & CO., Philadelphia, Pa. Filed Sept. 5, 1929.



For Men's Felt Hats.
Claims use since Oct. 20, 1922.

Ser. No. 289,389. CONRAD SHOE COMPANY, Brockton, Mass. Filed Sept. 6, 1929.

100
ONE HUNDRED PERCENTER
100

For Leather Shoes.
Claims use since July 30, 1929.

Ser. No. 289,444. SALVATORE CAPEZIO, doing business as Capezio, New York, N. Y. Filed Sept. 7, 1929.

Permastitch

For Toe-Dancing Slippers.
Claims use since June 1, 1929.

Ser. No. 289,475. THE OPPENHEIMER-STAUS COMPANY, Cincinnati, Ohio. Filed Sept. 7, 1929.

PHOENIX

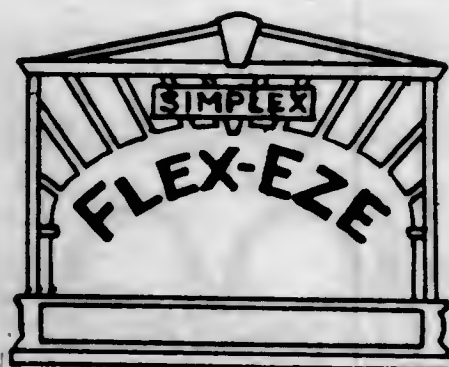
For Socks and Stockings.
Claims use since December, 1883.

Ser. No. 289,542. SARDESON-HOVLAND CO., Chicago, Ill. Filed Sept. 9, 1929.

Woolart

For Women's and Misses' Suits, Coats, Capes, and Cloaks.
Claims use since Feb. 18, 1929.

Ser. No. 289,649. SIMPLEX SHOE MANUFACTURING COMPANY, Milwaukee, Wis. Filed Sept. 11, 1929.



For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since May 28, 1929.

Ser. No. 289,666. CURTIS-STEPHENS-EMERY CO., INC., Reading, Pa. Filed Sept. 12, 1929.



For Men's, Women's, and Children's Shoes Made of Leather, Kid, Fabric, and Kludred Materials.
Claims use since November, 1928.

Ser. No. 289,681. KAYLON INCORPORATED, Troy and New York, N. Y. Filed Sept. 12, 1929.



No claim is made to the exclusive use of the word "Cloth" apart from the trade-mark shown in the drawing. For Men's and Boys' Negligee Shirts, Pajamas, and Underwear.
Claims use since Aug. 28, 1929.

Ser. No. 289,683. M. KUTZ COMPANY, Atlanta, Ga. Filed Sept. 12, 1929.



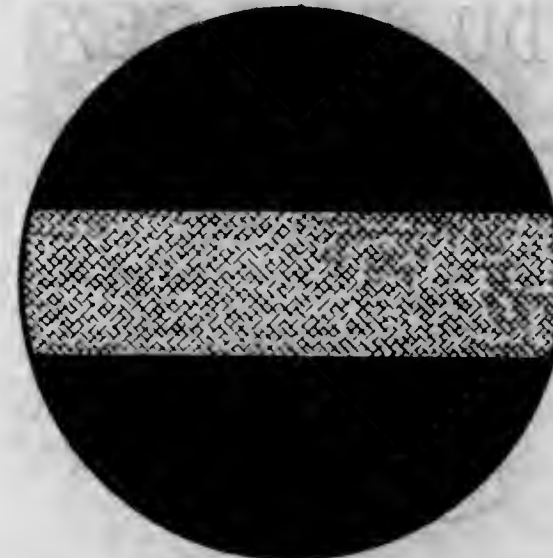
For Ladies', Misses', and Children's Hats.
Claims use since June 1, 1929.

Ser. No. 289,766. STERNGOLD BROTHERS, New York, N. Y. Filed Sept. 13, 1929.



No claim is made to the word "Prints" apart from the mark shown on the drawing. For Children's, Misses', and Ladies' Dresses.
Claims use since June 15, 1929.

Ser. No. 289,786. CONVERSE RUBBER COMPANY, Malden, Mass. Filed Sept. 14, 1929.



The trade-mark consists of a black disk having an orange band disposed thereon. The lining in the drawing indicates the color orange.

For Boots and Shoes of Leather, Rubber, Canvas, and Combinations Thereof.
Claims use since July, 1929.

Ser. No. 289,973. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Sept. 19, 1929.

Fashion Plate

For Leather, Rubber, and Fabric Shoes for Men, Women, and Children.
Claims use since Aug. 1, 1916.

Ser. No. 290,002. SORQUEHANNA SHIRT COMPANY, Philadelphia, Pa. Filed Sept. 18, 1929.

SUN-TEX

For Negligee Shirts.
Claims use since Aug. 23, 1929.

Ser. No. 290,050. R. H. WHITE COMPANY, Boston, Mass. Filed Sept. 20, 1929.

Romany

For Women's Hats.
Claims use since May 1, 1929.

Ser. No. 290,150. SCHMIDT CLOTHING CO. INC., Utica, N. Y. Filed Sept. 23, 1929.

Don-woodie

For Men's and Boys' Wearing Apparel—Namely, Suits and Overcoats.
Claims use since Mar. 1, 1929.

Ser. No. 290,196. THE ROSWELL COMPANY, Atlanta and Roswell, Ga. Filed Sept. 24, 1929.



For Men's and Boys' Work and Dress Trousers and Shirts and Boys' Play Suits and Overalls.
Claims use since Aug. 1, 1929.

Ser. No. 290,205. L. BAMBERGER & Co., Newark, N. J. Filed Sept. 25, 1929.

JUSTEEN

For Women's Dresses, Coats, Hosiery, and Underwear of Knitted, Netted, and Textile Fabrics.
Claims use since Sept. 13, 1929.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 290,085. HANNA MAX POWELL, doing business as Powell Distributing Company, Philadelphia, Pa. Filed Sept. 21, 1929.

Premier

For Water Waver, More Particularly a Wire-Meshed Head Gear of Cap-Shaped Formation.
Claims use since Aug. 23, 1929.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 291,058. THE PACIFIC SHADE CLOTH COMPANY, INC., Oakland, Calif. Filed Mar. 20, 1929.

Ray-Flex

For Shade Cloths.
Claims use since Feb. 27, 1927.

Ser. No. 286,043. THE ENGLISH TEXTILOSE MANUFACTURING COMPANY LIMITED, Manchester, England. Filed June 24, 1929.

TEXTILOSE

For Textile Floor and Wall Coverings.
Claims use since Oct. 1, 1921.

Ser. No. 287,596. ALBERT H. VANDAM CO. INC., New York, N. Y. Filed July 30, 1929.

NOVELLO BROADCLOTH

No claim being made to the exclusive use of the word "Broadcloth" apart from the mark as shown in the drawing.

For Cotton, Silk, and Madras Piece Goods and Mixtures of Cotton and Silk Piece Goods.
Claims use since May 1, 1929.

Ser. No. 289,075. LAKEMILL TEXTILE CORPORATION, New York, N. Y. Filed Aug. 27, 1929.



The drawing is lined to indicate the color blue.
For Woven Piece Goods Composed of Artificial Silk and Wool.
Claims use since May, 1929.

Ser. No. 290,336. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England. Filed Sept. 28, 1929.

ILOTA

For Woolen Piece Goods.
Claims use since Sept. 9, 1929.

Ser. No. 290,377. W. H. ROLLINSON & COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 28, 1929.

Broadtone

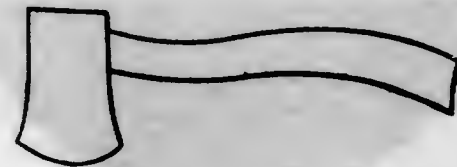
For Long-Pile-Cotton Fabric.
Claims use since July 12, 1929.

Ser. No. 290,504. DUPLAN SILK CORPORATION, New York, N. Y. Filed Oct. 2, 1929.

DU RAY PEX

For Fabrics of Silk and Rayon and Mixtures of These Materials.
Claims use since Aug. 31, 1929.

Ser. No. 290,529. J. L. STIFEL & SONS, Wheeling, W. Va. Filed Oct. 2, 1929.



For Cotton Piece Goods.
Claims use since Sept. 11, 1929.

Ser. No. 290,653. F. DUCHARNE SILK CO. INC., New York, N. Y. Filed Oct. 4, 1929.

CPEPE JAVOTTE

No rights are asserted to the exclusive use of the word "Crepe" apart from the trade-mark as shown in the drawing.

For Silk Piece Goods.
Claims use since Sept. 13, 1929.

Ser. No. 290,654. F. DUCHARNE SILK CO. INC., New York, N. Y. Filed Oct. 4, 1929.

CREPE PEPITA

No rights are asserted to the exclusive use of the word "Crepe" apart from the trade mark as shown in the drawing.
For Silk Piece Goods.
Claims use since Sept. 13, 1929.

Ser. No. 290,657. N. FLUEGELMAN & CO., INC., New York, N. Y. Filed Oct. 4, 1929.

TAFANESE

For Fabrics in the Piece, Either Woven, Netted, Knitted, and/or Textile of Rayon, Silk, Cotton, and/or Wool or Any Combinations Thereof.
Claims use since Mar. 21, 1929.

Ser. No. 290,695. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 5, 1929.

LUXURIANT

For Sheets and Pillowcases.
Claims use since Aug. 13, 1929.

Ser. No. 290,698. GRISWOLDVILLE MFG. COMPANY, New York, N. Y. Filed Oct. 5, 1929.

**ROBAK
SUPER**

For Certain Textile Fabric—viz. a Coarse Woven Fabric Reinforced with Strings Intended for the Use of Bookbinders.

Claims use since July 15, 1929.

Ser. No. 290,699. GRISWOLDVILLE MFG. COMPANY, New York, N. Y. Filed Oct. 5, 1929.



For Certain Textile Fabric—viz. Mosquito Netting.
Claims use since July 3, 1929.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 287,647. RELLARD-DAVIS, INCORPORATED, New York, N. Y. Filed July 25, 1929.



No claim is made to the word "Safety" apart from the mark shown in the drawing.

For First-Aid Medical, and Surgical Kits and Parts Thereof, Gas Masks, Canisters for Gas Masks, and Inhalators.

Claims use since May 1, 1928.

Ser. No. 289,574. CLAY-ADAMS COMPANY, INC., New York, N. Y. Filed Sept. 10, 1929.

SUPER STRONG

Applicant disclaims any exclusive right to the word "Strong" apart from the mark shown on the drawing.
For Silk-Worm Gut Used for Suturing or Stitching in Surgical Operations.

Claims use since Aug. 30, 1929.

388 O. G.—21

Ser. No. 290,395. BAKER & COMPANY, INC., Newark, N. J. Filed Sept. 30, 1929.

AURIUM

For Metal for Swaged-Base Dentures.
Claims use since Sept. 18, 1929.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 261,286. MORRIS SORSHIN, doing business as Colonnade Beverage Co., Norwalk, Conn. Filed Feb. 6, 1928.



No claim is made to the word "Dry" apart from the mark as shown on the drawing.

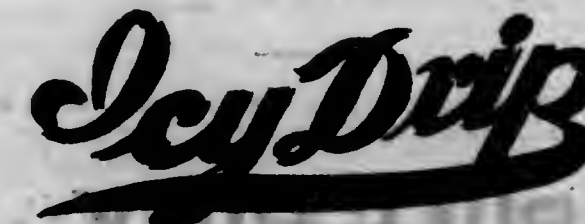
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.
Claims use since Nov. 1, 1927.

Ser. No. 269,605. GEO. RASMUSSEN CO., Chicago, Ill. Filed July 14, 1928.



For Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Sept. 21, 1907.

Ser. No. 270,547. THE W. F. HAUSMAN CO., Cincinnati, Ohio. Filed Aug. 3, 1928.



For Syrups for Nonalcoholic Beverages—Namely, Strawberry, Chocolate, Raspberry, Grape, Orange, Cherry, Lemon, Pineapple, Nectar, and Root Beer.
Claims use since Jan. 3, 1928.

Ser. No. 279,678. THE JOHN C. MEIER GRAPE JUICE COMPANY, Silverton, Ohio. Filed Feb. 20, 1929.



For Grape Juice and a Nonalcoholic, Noncereal, Maltless Beverage Composed of Grape Juice, Cane Sugar, and Carbonated Water.

Claims use since Jan. 20, 1895.

Ser. No. 284,090. JESSE C. STEWART CO., doing business as Pittsburgh Food Prod. Co., Pittsburgh, Pa. Filed May 15, 1929.

MOTHER'S

For Extract for Making Root Beer.
Claims use since 1902.

Ser. No. 287,197. NESBITT FRUIT PRODUCTS, INC., Los Angeles, Calif. Filed July 16, 1929.



No claim is made to the exclusive right to the words "California Orange Juice" apart from the mark as shown.

For Nonalcoholic, Noncereal, Maltless Beverages Comprising Crushed Fruits for Use in Soft Drinks, Soda-Fountain Syrups, Extracts and Colors, Chocolate and Cocoa Preparations, and Bottled Carbonated Beverages, Fruit Juices, and Citrous Drinks, Both Carbonated and Uncarbonated; also Fruit Extracts and Emulsions and Concentrates.

Claims used since on or about Feb. 22, 1927.

Ser. No. 289,320. NEHL, INC., Columbus, Ga. Filed Sept. 4, 1929.

BULL ROCK

For Nonintoxicating, Noncereal, Maltless Beverages and Syrups and Concentrates for Making the Same.
Claims use since about Mar. 1, 1927.

Ser. No. 289,963. "CRISTALLO" A.-G., Thun, Switzerland. Filed Sept. 19, 1929.



For Mineral Waters, Flavoring Syrups for Soft Drinks, and Nonalcoholic, Cereal and Noncereal Maltless Beverages.

Claims use since June, 1929.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 246,516. UNITED MALT COMPANY, Cincinnati, Ohio. Filed Mar. 28, 1927.



For Materials to Be Used in Place of Sugar for Beverages.

Claims use since Jan. 3, 1927.

Ser. No. 254,263. BARNETT & SIBILLE COMPANY, Sunset, La. Filed Sept. 2, 1927.

GOLDEN SWEETS

The descriptive word "Sweet" is disclaimed apart from the other features of the mark.

For Candied Sweet Potatoes in Tins.

Claims use since May 30, 1927.

Ser. No. 255,572. REICHARDT COCOA & CHOCOLATE CO., INC., New York, N. Y. Filed Oct. 3, 1927.



For Cocoa.

Claims use since Nov. 1, 1926.

Ser. No. 261,565. THE JAMES G. GILL CO., INC., Norfolk, Va. Filed Feb. 11, 1928.



No claim is made to the word "Blend" apart from the mark as shown. The drawing is lined to indicate shading.
For Coffee and Tea.
Claims use since March, 1902.

Ser. No. 267,579. CLEMENTE JACQUES Y CIA., Mexico, Mexico. Filed June 6, 1928.



For Canned Chiles, Pickles, and Canned Fruits—Namely, Guayabas, Mangoes, and Tejocotes.
Claims use since Apr. 20, 1904.

Ser. No. 271,351. IDA KOETTER, doing business as White Pig Barbecue, Choteau Township, Madison County, Ill. Filed Aug. 25, 1928.



For Chili Con Carne, Pies—Namely, Apple, Peach, Pineapple, Cherry, Blackberry, Mince, Coconut, Apricot, Plum, Gooseberry, and Coffee.
Claims use since August, 1924.

Ser. No. 271,824. ALFRED J. RICHEY, Miami, Fla. Filed Aug. 31, 1928.



The descriptive words "Brand" and "Guaranteed Products" are disclaimed apart from the mark shown in the drawing.

For Fresh and Canned Fruits and Vegetables and Guava Jelly.

Claims use since June 1, 1928.

Ser. No. 275,092. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Nov. 10, 1928.

BUBBLERS

For Chewing Gum.
Claims use since Nov. 5, 1928.

Ser. No. 275,233. MIGLIORETTI BROTHERS, Baltimore, Md. Filed Nov. 13, 1928.

LA MIGLIORE



No claim is made to the words "La Migliore" apart from the mark shown in the drawing.

For Olive Oil, Canned Tuna Fish, Coffee, Malt Syrup, Macaroni, Canned Peas.

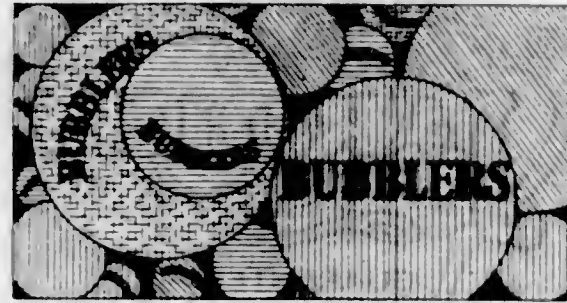
Claims use since May 1, 1928.

Ser. No. 279,141. BREMNER BROS., Chicago, Ill. Filed Feb. 11, 1929.

KITCHENET

For Biscuit, Cake, and Crackers.
Claims use since Dec. 13, 1928.

Ser. No. 279,713. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Feb. 21, 1929.



The mark presented in the drawings is claimed independently of the colors shown. In the drawing the linings are intended to indicate the colors red, blue, green, and yellow.

For Chewing Gum.
Claims use since Nov. 22, 1928.

Ser. No. 282,874. HENRY PAPE, INC., Brooklyn, N. Y. Filed Apr. 23, 1929.



For Fruit Preserves and Jellies.
Claims use since about April, 1928.

Ser. No. 283,755. REEVES, PARVIN & Co., Philadelphia, Pa. Filed May 9, 1929. Under 10-year proviso.

GOLD MEDAL

For Canned Tomatoes and Ground Pepper.
Claims use since 1890.

Ser. No. 284,769. BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y. Filed May 29, 1929.

BENNETT BRITES

For Nuts in the Shell.
Claims use since May 17, 1929.

Ser. No. 285,717. WILLIAM F. SCHACHT, doing business as Golden Arrow Farms, Huntington, Ind. Filed June 17, 1929.



For Milk and Live Cattle.
Claims use since June 1, 1928.

Ser. No. 286,362. AMERICAN MILLS COMPANY, Atlanta, Ga. Filed June 29, 1929.



No claim is made under the statute to the wording "Best in America" nor to the wording "Atlanta, Ga., U. S. A." when used apart from the mark shown in the drawing.

For Chocolate Candy, Chocolate-Coated Candy, Chocolate Bars, Chocolate Coating Compositions, Lecithin Used in Compounding Chocolate Compositions.
Claims use since June 1, 1929.

Ser. No. 286,480. FLORENCE RAVIOLI COMPANY, Chicago, Ill. Filed July 2, 1929.

FLORENCE

For Ravioli.
Claims use since Jan. 1, 1929.

Ser. No. 286,573. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed July 3, 1929.

BIG "K"

For Canned Tomatoes.
Claims use since 1890.

Ser. No. 288,589. JOHN L. DE ANGELIS, doing business as Twisto Tubular Spaghetti Co., White Plains, N. Y. Filed Aug. 16, 1929.



No claim is made to the words "Tubular Spaghetti" and to the representation of the goods apart from the mark shown on the drawing.

For Macaroni.
Claims use since May 24, 1929.

Ser. No. 288,816. ABRAHAM RICHMAN, Bronx, N. Y. Filed Aug. 21, 1929.



No claim is made to the words "Fruit Builds Perfect Health," apart from the mark shown on the drawing, and to the representation of the goods.

For Dried Fruits.
Claims use since July 29, 1929.

Ser. No. 289,098. BUR'S ORANGE GROWERS, INC., Buras, La. Filed Aug. 28, 1929.



No claim is made to the representation of the goods apart from the mark shown in the drawing.

For Fresh Citrus Fruit.
Claims use since August, 1927.

Ser. No. 289,103. IRVING FORROANG, doing business as National Malt Extract Co., Flint, Mich. Filed Aug. 28, 1929.

National Eagle

For Malt Syrup.
Claims use since May 1, 1929.

Ser. No. 289,105. GLASER, CRANDELL CO., Chicago, Ill. Filed Aug. 28, 1929.

Chips o' Sweet

The trade-mark comprises the expression "Chips O' Sweet." In practice the words are written in red, the drawing being lined to indicate this.

For Relish Comprising a Mixture of Cucumber Pickles and Orange Preserves.
Claims use since July 8, 1929.

Ser. No. 289,106. GLASER, CRANDELL CO., Chicago, Ill. Filed Aug. 28, 1929.



The lining on the drawing indicates the colors orange and green. Applicant disclaims the expression "Non-Fat-".

tening" apart from the remainder of the trade-mark shown.
For Relish Comprising a Mixture of Cucumber Pickles
and Orange Preserves.
Claims use since July 8, 1929.

Ser. No. 289,193. ALEXANDER KATZIN, doing business as
Rana Tea Co., New York, N. Y. Filed Aug. 30, 1929.



For Tea.
Claims use since about Aug. 1, 1929.

Ser. No. 289,367. HATTIE BROWN, Sioux City, Iowa. Filed
Sept. 4, 1929.



HATTIE'S OWN

The pictorial feature constituting a part of the trade-
mark is an ink drawing of a photograph of the applicant.
For Salad Dressing.
Claims use since Jan. 1, 1929.

Ser. No. 289,337. HAROLD H. CLAPP, doing business as
H. H. Clapp Sales Co., Rochester, N. Y. Filed Sept. 5,
1929.



The picture shown on the drawing is fanciful.
For Wheat Cereal Especially Prepared for Babies.
Claims use since July 2, 1929.

Ser. No. 289,408. LUDEN'S INC., Reading, Pa. Filed Sept.
6, 1929.

TALKIE
THE BAR THAT SPEAKS FOR ITSELF.

No claim being made to the word "Bar" apart from the
mark as shown.
For Candy.
Claims use since May 29, 1929.

Ser. No. 289,490. THE BACHRACH-FELD Co., doing busi-
ness as Red Star Malt Co., Cincinnati, Ohio. Filed
Sept. 9, 1929.

RED STAR

For Malt Syrup.
Claims use since Aug. 7, 1929.

Ser. No. 289,491. THE BACHRACH-FELD Co., doing busi-
ness as Old Republic Malt Co., Cincinnati, Ohio. Filed
Sept. 9, 1929.

OLD REPUBLIC

For Malt Syrup.
Claims use since Aug. 7, 1929.

Ser. No. 289,589. MAISON AMIEUX FRERES, SOCIETE
ANONYME, Nantes-Chantenay, France. Filed Sept. 10,
1929.

DES GASTRONOMES

For Canned Fish and Vegetables—Namely, Sardines,
Tunny Fish, Mackerel, Asparagus, Peas, Mushrooms,
Minced Pork in Cans, Mustard, Tapioca, and Cassoulet.
Claims use since Oct. 23, 1891.

Ser. No. 289,596. J. SCHINKS, doing business as City
Bakery, El Dorado, Ark. Filed Sept. 10, 1929.



All wording except "City Bakery" is disclaimed apart
from the other features of the mark appearing in the
drawing.

For Bread and Biscuits.
Claims use since Mar. 1, 1929.

Ser. No. 289,675. HARRY GOLD, Baltimore, Md. Filed
Sept. 12, 1929.

HARRY GOLD'S

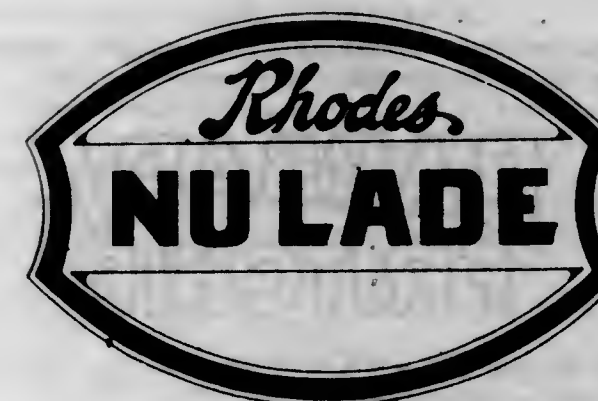


**Famous Bread
Cake and Rolls
"It's Different"**

The portrait shown in the accompanying drawing is that
of the applicant. The wording "Harry Gold's" and "Fam-
ous Bread, Cake, and Rolls" and "It's Different" is dis-
claimed apart from the mark as shown on the drawing.

For Bread, Cakes, and Rolls.
Claims use since Jan. 2, 1927.

Ser. No. 289,840. THE RHODES RANCH EGG COMPANY,
Denver, Colo. Filed Sept. 16, 1929.



Applicant hereby disclaims exclusive use of the expres-
sion "Nulade" except in association with the other features
of its mark.

For Eggs.
Claims use since Apr. 1, 1917.

Ser. No. 290,121. FEDERAL MILL & ELEVATOR Co., INC.,
Lockport, N. Y. Filed Sept. 23, 1929.

SWEET VALLEY

For Blended Wheat and Rye Flour.
Claims use since Aug. 31, 1929.

Ser. No. 290,371. THE LYCO YEAST TABLET Co., LIMITED,
London, England. Filed Sept. 28, 1929.



For Yeast.
Claims use since May 27, 1919.

Ser. No. 290,408. G. P. HALFERTY & Co., INC., Seattle,
Wash. Filed Sept. 30, 1929.

SHOW DOWN

For Canned Salmon.
Claims use since July 10, 1929.

Ser. No. 290,418. GERHARD H. LOTZE, doing business as
Dutch Factory, Oakland, Calif. Filed Sept. 30, 1929.

"Yes-Yes"

For Cookies.
Claims use since Mar. 1, 1907.

Ser. No. 290,449. CALIFORNIA COOPERATIVE PRODUCERS,
San Francisco, Calif. Filed Oct. 1, 1929.



For Canned Fruits, Canned Vegetables.
Claims use since June 15, 1927.

Ser. No. 290,459. EXETER CITRUS ASSOCIATION, Exeter, Calif. Filed Oct. 1, 1929.

ORBIT

For Fresh Citrus Fruits.
Claims use since Nov. 5, 1925.

Ser. No. 290,468. KERN FRUIT CO., Shafter, Calif. Filed Oct. 1, 1929.

GOOD HUMOR

For Fresh Grapes.
Claims use since Sept. 20, 1929.

Ser. No. 290,469. KINGS COUNTY PACKING COMPANY, Oakland, Calif. Filed Oct. 1, 1929.

OLD IVORY

For Canned Fruits, Canned Vegetables.
Claims use since Sept. 14, 1929.

Ser. No. 290,476. THE PIONEER FRUIT CO., San Francisco, Calif. Filed Oct. 1, 1929.

HURRY!



For Fresh Deciduous Fruits, Fresh Vegetables.
Claims use since July 15, 1929.

Ser. No. 290,513. INTERNATIONAL MILLING COMPANY, doing business as Wells Flour Mills, Minneapolis and Wells, Minn. Filed Oct. 2, 1929.



For Wheat Flour.
Claims use since January, 1928.

Ser. No. 290,589. NORTHERN ILLINOIS CEREAL COMPANY, Lockport, Ill. Filed Oct. 3, 1929.

BOWL-O

For Rolled Oats.
Claims use since Aug. 30, 1929.

Ser. No. 290,640. WINEBRENER & CRAMER, INC., Frederick, Md. Filed Oct. 3, 1929.

BARBARA FRITCHIE

For Roasted Coffee.
Claims use since Apr. 1, 1929.

Ser. No. 290,679. ALBERS BROS. MILLING CO., San Francisco, Calif. Filed Oct. 5, 1929.

HI-TONE

For Bird Seed.
Claims use since July 26, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 12, 1929

263,678. MEN'S TROUSERS. HAPP BROTHERS COMPANY, Macon, Ga.

Filed July 25, 1929. Serial No. 287,659. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,679. PAJAMAS HAVING AN ELASTIC WAIST-BAND. LIBERTY MANUFACTURING CO., Baltimore, Md. Filed July 22, 1929. Serial No. 287,483. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,680. NIGHT ROBES AND PAJAMAS FOR MEN, WOMEN, AND CHILDREN. LIBERTY MANUFACTURING CO., Baltimore, Md.

Filed July 22, 1929. Serial No. 287,482. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,681. PAJAMAS HAVING AN ELASTIC WAIST-BAND. LIBERTY MANUFACTURING CO., Baltimore, Md. Filed July 22, 1929. Serial No. 287,481. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,682. HOSIERY FOR MEN, WOMEN, AND CHILDREN AND KNITTED AND TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. KLOPPER BROS., Cleveland, Ohio.

Filed July 22, 1929. Serial No. 287,477. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,683. NEGLIGENCE SHIRTS. SUSQUEHANNA SHIRT COMPANY, Philadelphia, Pa.

Filed July 20, 1929. Serial No. 287,431. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,684. WOMEN'S, MISSES', AND CHILDREN'S SUITS, COATS, AND DRESSES. WILKIN & ADLER, INC., doing business as The Golfex, New York, N. Y. Filed July 2, 1929. Serial No. 286,527. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,685. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, AND TOPCOATS. ALCO-ZANDER COMPANY, Philadelphia, Pa.

Filed June 26, 1929. Serial No. 286,146. PUBLISHED AUGUST 27, 1929. Class 39.

263,686. SWEATERS FOR MEN, WOMEN, AND CHILDREN. CAVEN IDEAL PRODUCTS, INC., Poughkeepsie, N. Y.

Filed June 24, 1929. Serial No. 286,027. PUBLISHED AUGUST 27, 1929. Class 39.

263,687. NECKWEAR—NAMELY, CRAVATS, SCARFS, BOW TIES, AND NECKTIES. J. STEINBERG, doing business as J. Steinberg & Co., Kansas City, Mo.

Filed June 19, 1929. Serial No. 285,794. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,688. SILK HOSIERY, INCLUDING STOCKINGS AND SOCKS. SOMMER & KAUFMANN, INC., San Francisco, Calif.

Filed June 17, 1929. Serial No. 285,718. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,689. LADIES' OUTER GARMENTS FOR SPORT WEAR MADE OF TEXTILE FABRIC, SUCH AS CALICO, AND COMPRISING SHORT PANTS HAVING A BIB ATTACHED TO THE FRONT THEREOF AND SHOULDER STRAPS CONNECTING THE TOP OF THE BIB AND THE BACK OF THE PANTS. BERTHA ZUCKERBROD, Elizabeth, N. J.

Filed June 15, 1929. Serial No. 285,647. PUBLISHED AUGUST 27, 1929. Class 39.

263,690. OVERALLS, JUMPERS, PLAY SUITS, COMBINATION SUITS AND PANTS, WORK PANTS, DRESS PANTS, DRESS AND NEGLIGEE SHIRTS FOR MEN AND BOYS, COTTON WORK SHIRTS, FLANNEL SHIRTS, OVERCOATS, RAIN-REPELLENT PANTS AND SHIRTS, ALSO MACKINAW, STAG SHIRTS AND BLAZERS. THE BLACK MANUFACTURING CO., Seattle, Wash.

Filed June 15, 1929. Serial No. 285,619. PUBLISHED AUGUST 27, 1929. Class 39.

263,691. NECKTIES AND CRAVATS. W. O. HORN & BROTHER, INC., New York, N. Y.

Filed June 13, 1929. Serial No. 285,514. PUBLISHED AUGUST 27, 1929. Class 39.

263,692. MEN'S, BOYS', AND LADIES' LEATHER COATS, JACKETS, AVIATION HELMETS, KNICKERS, AND RIDING BREECHES. METROPOLITAN HYGRADE CLOTHING MFG. CO., INC., New York, N. Y.

Filed June 24, 1929. Serial No. 286,069. PUBLISHED AUGUST 27, 1929. Class 39.

263,693. LADIES', CHILDREN'S, AND MISSES' BEREETS. HANKY BEREET INC., New York, N. Y.

Filed June 24, 1929. Serial No. 286,051. PUBLISHED AUGUST 13, 1929. Class 39.

263,694. HATS, SCARFS, AND TOQUES FOR WOMEN'S WEAR. ALEXANDRE M. GREAN, doing business as Grean Company, New York, N. Y.

Filed June 19, 1929. Serial No. 285,816. PUBLISHED AUGUST 13, 1929. Class 39.

263,695. MEN'S, WOMEN'S, AND CHILDREN'S HATS OF FELT, STRAW, AND VELOUR AND MEN'S AND BOYS' CAPS OF FABRIC. THE MALLORY HAT COMPANY, Danbury, Conn.

Filed June 19, 1929. Serial No. 285,784. PUBLISHED AUGUST 13, 1929. Class 39.

263,696. CERTAIN NAMED WEARING APPAREL. DEJA, INC., New York, N. Y.

Filed JUNE 14, 1929. Serial No. 285,554. PUBLISHED AUGUST 27, 1929. Class 39.

263,697. BOOTS AND SHOES OF LEATHER, RUBBER, OR FABRIC OR OF COMBINATIONS OF SUCH MATERIALS HAVING RUBBER COMPOSITION SOLES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.

Filed June 13, 1929. Serial No. 285,501. PUBLISHED AUGUST 27, 1929. Class 39.

263,698. PERIODICAL. THE PUBLISHERS' FISCAL CORPORATION, New York, N. Y.

Filed June 19, 1929. Serial No. 285,823. PUBLISHED AUGUST 20, 1929. Class 38.

263,699. MONTHLY JOURNAL. MARGARET HACKEDORN ROCKHILL, doing business as Medical Woman's Journal Publishing Co., Cincinnati, Ohio.

Filed June 17, 1929. Serial No. 285,689. PUBLISHED AUGUST 20, 1929. Class 38.

263,700. SERIES OF PRINTED BOOKS. PAUL MORGAN OGILVIE, Los Angeles, Calif.

Filed June 14, 1929. Serial No. 285,590. PUBLISHED AUGUST 20, 1929. Class 38.

263,701. A MONTHLY MAGAZINE. NATIONAL WATERWAYS PUBLISHING COMPANY, INC., Pittsburgh, Pa.

Filed June 14, 1929. Serial No. 285,589. PUBLISHED AUGUST 27, 1929. Class 38.

- 263,702. MONTHLY MAGAZINE. MACNAIR-DORLAND COMPANY, INC., New York, N. Y.
Filed June 14, 1929. Serial No. 285,581. PUBLISHED AUGUST 20, 1929. Class 38.
- 263,703. NEWSPAPER SECTION. JACK RANDOLPH HORNADY, Atlanta, Ga.
Filed June 14, 1929. Serial No. 285,586. PUBLISHED AUGUST 20, 1929. Class 38.
- 263,704. PERIODICAL PUBLISHED QUARTERLY. AMERICAN GEOGRAPHICAL SOCIETY OF NEW YORK, New York, N. Y.
Filed June 12, 1929. Serial No. 285,437. PUBLISHED AUGUST 20, 1929. Class 38.
- 263,705. MAGAZINE PUBLISHED PERIODICALLY. THE SPORTSWOMAN GUILD, INC., Bryn Mawr and Philadelphia, Pa.
Filed June 10, 1929. Serial No. 285,390. PUBLISHED AUGUST 20, 1929. Class 38.
- 263,706. PUBLICATIONS ISSUED A NUMBER OF TIMES EACH YEAR. GERNSBACK PUBLICATIONS, INC., New York, N. Y.
Filed June 8, 1929. Serial No. 285,265. PUBLISHED AUGUST 27, 1929. Class 38.
- 263,707. BOOKLETS PUBLISHED FROM TIME TO TIME. THE WILLIAM H. MINER FOUNDATION, Chicago, Ill.
Filed June 7, 1929. Serial No. 285,215. PUBLISHED AUGUST 27, 1929. Class 38.
- 263,708. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,573. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,709. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,571. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,710. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,570. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,711. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,569. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,712. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,568. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,713. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,567. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,714. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,566. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,715. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,565. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,716. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,563. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,717. A DUPLICATING ATTACHMENT FOR TYPE-WRITERS. THE FLORIDA COPY-WRITING CORPORATION, Miami, Fla.
Filed July 19, 1929. Serial No. 287,342. PUBLISHED SEPTEMBER 3, 1929. Class 23.
- 263,718. CANNED SWEET-PEPPER FRICASSEE. F. VITELLI & SONS, New York, N. Y.
Filed July 12, 1929. Serial No. 287,031. PUBLISHED SEPTEMBER 3, 1929. Class 46.

- 263,719. CANDY. NORRIS, INCORPORATED, Atlanta, Ga.
Filed July 9, 1929. Serial No. 286,836. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 263,720. POP CORN, POP-CORN BALLS, AND POP-CORN CANDY. HONEY POP CORN PRODUCTS CO., Chicago, Ill.
Filed July 8, 1929. Serial No. 286,774. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 263,721. BACON. ROBERTS AND OAKE, INC., Chicago, Ill.
Filed July 2, 1929. Serial No. 286,510. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 263,722. INFANTS' UNDERWEAR AND KNIT CLOTHING—NAMESLY, SWEATERS, STOCKINGS, SOCKS, HATS, MITTENS, SCARFS, JACKETS, AND BOOTEES. STERN BROTHERS, New York, N. Y.
Filed June 29, 1929. Serial No. 286,391. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,723. OVERALLS, COATS FOR THE USE OF MEN, AND DUNGAREES. LOUIS YAVNER, doing business as Indian Overall Company, Boston, Mass.
Filed June 28, 1929. Serial No. 286,352. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,724. WOMEN'S, MISSES', AND CHILDREN'S READY-CUT DRESSES. NELL ANDERSON, Racine, Wis.
Filed June 28, 1929. Serial No. 286,292. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,725. MEN'S, YOUNG MEN'S, AND BOYS' COTTON AND FLANNEL WORK SHIRTS, WORK PANTS, OVERALLS, AND OVERALL JACKETS, AND FOR BOYS' AND INFANTS' COTTON AND FLANNEL PLAY SUITS. KLINE BROTHERS CO., New York, N. Y.
Filed June 27, 1929. Serial No. 286,250. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,726. CANNED VEGETABLES. H. SOBO & SONS COMPANY, Newark, N. J.
Filed June 21, 1929. Serial No. 285,945. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 263,727. FRESH FRUITS. LEESBURG CITRUS GROWERS ASSOCIATION, Leesburg, Fla.
Filed June 10, 1929. Serial No. 285,358. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 263,728. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,564. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,729. TOOLS FOR DRIVING GLAZIER POINTS AND FOR DRIVING GLAZIER POINTS IN PICTURE FRAMING. LONDON P. SMITH, INC., Irvington, N. J.
Filed June 26, 1929. Serial No. 286,208. PUBLISHED SEPTEMBER 3, 1929. Class 23.
- 263,730. CLOCKS AND WATCHES. WESTERN CLOCK COMPANY, Peru, Ill.
Filed June 24, 1929. Serial No. 286,095. PUBLISHED SEPTEMBER 3, 1929. Class 27.
- 263,731. FLAVORING EXTRACTS USED IN THE MANUFACTURE OF NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES AND ALSO ON NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES THEMSELVES. T. NOIROT ET COMPAGNIE SOCIETE EN NOM COLLECTIF, Nancy, France.
Filed June 21, 1929. Serial No. 285,932. PUBLISHED SEPTEMBER 3, 1929. Class 45.
- 263,732. MATTRESSES. R. C. HELLER CO., INC., Baltimore, Md.
Filed June 21, 1929. Serial No. 285,917. PUBLISHED SEPTEMBER 3, 1929. Class 32.
- 263,733. MACHINERY AND TOOLS SUCH AS ARE USED BY JEWELERS, ETC., ALSO PARTS, SUPPLIES, AND CUTLERY. LISICK, GREEN & REED, INC., Chicago, Ill.
Filed June 20, 1929. Serial No. 285,867. PUBLISHED SEPTEMBER 3, 1929. Class 23.

- 263,734. BRAKE LININGS. ALLRESTOS CORPORATION, Philadelphia, Pa.
Filed June 18, 1929. Serial No. 285,724. PUBLISHED SEPTEMBER 3, 1929. Class 35.
- 263,735. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. TERRA ALTA BOTTLING COMPANY INC., Terra Alta, W. Va.
Filed June 17, 1929. Serial No. 285,697. PUBLISHED SEPTEMBER 3, 1929. Class 45.
- 263,736. AUTOMOBILE AND VEHICLE TIRES MADE OF RUBBER, FABRIC, AND COMBINATIONS THEREOF, INNER TUBES, TIRE PATCHES, BLOW-OUT PATCHES, PAN BELTS. SERVICE STATION SUPPLY COMPANY, Los Angeles, Calif.
Filed June 17, 1929. Serial No. 285,693. PUBLISHED SEPTEMBER 3, 1929. Class 35.
- 263,737. MOTION PICTURES. MOTION-PICTURE FILMS, A SYNCHRONIZED UNITARY APPARATUS FOR THE MAKING AND SHOWING OF LIGHT AND SOUND EFFECTS. IMPERIAL PICTURES INCORPORATED, New York, N. Y.
Filed June 6, 1929. Serial No. 285,156. PUBLISHED SEPTEMBER 3, 1929. Class 26.
- 263,738. RYE AND BOURBON WHISKIES. R. A. ELMORE, doing business as E. A. Fulcher Distilling Company, Inc., Richmond, Va.
Filed June 4, 1929. Serial No. 285,055. PUBLISHED SEPTEMBER 3, 1929. Class 49.
- 263,739. ROAD-SURFACING MATERIAL IN THE NATURE OF CRUSHED ROCK AND MINERALS. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J.
Filed July 30, 1928. Serial No. 270,341. PUBLISHED AUGUST 20, 1929. Class 12.
- 263,740. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND PAJAMAS. THE HABER-SAN MANUFACTURING CORPORATION, New York, N. Y.
Filed October 12, 1928. Serial No. 273,699. PUBLISHED DECEMBER 4, 1928. Class 39.
- 263,741. OUTER SPORT GARMENTS FOR LADIES AND CHILDREN—NAMESLY, CHILDREN'S PLAY SUITS, LADIES' MIDDIES, KNICKERS, AND BLOOMERS. SIMON & MOGLNER, St. Paul, Minn.
Filed August 6, 1928. Serial No. 270,655. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,742. MEN'S ATHLETIC UNION SUITS, UNDER-SHIRTS, AND DRAWERS OF KNITTED AND TEXTILE FABRICS, AND RUNNING PANTS. ISIDOR PANITZ, doing business as The Yale Underwear Co., Baltimore, Md.
Filed July 24, 1928. Serial No. 270,093. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,743. GLOVES MADE OF LEATHER, RUBBER, OR FABRIC AND OF COMBINATIONS OF THESE MATERIALS. W. I. & M. A. LOUCKS, INC., Gloversville, N. Y.
Filed November 27, 1928. Serial No. 275,904. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,744. COMMON PINS. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn.
Filed November 23, 1928. Serial No. 275,753. PUBLISHED AUGUST 27, 1929. Class 40.
- 263,745. BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. LA LONDE & CLARKE, INC., Rochester, N. Y.
Filed September 4, 1928. Serial No. 271,898. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,746. LEATHER IN THE PIECE. KEYSTONE REPTILE TANNERS, INC., Philadelphia, Pa.
Filed December 1, 1928. Serial No. 276,141. PUBLISHED AUGUST 6, 1929. Class 1.
- 263,747. HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS. AMERICAN HAIR & FELT COMPANY, Chicago, Ill.
Filed November 20, 1928. Serial No. 275,816. PUBLISHED SEPTEMBER 3, 1929. Class 32.
- 263,748. DEVICES FOR INDICATING THE ABSENCE OF BOOKS FROM THEIR ACCUSTOMED PLACES. JAMES E. KINNEY, doing business as The Bookout Company, Columbus, Ohio.
Filed November 17, 1928. Serial No. 275,448. PUBLISHED SEPTEMBER 3, 1929. Class 32.
- 263,749. BED SPRINGS, COTS, DAY BEDS, AND COUCH-HAMMOCK SWINGS. ANCHOR SPRING & BEDDING COMPANY, Nashville, Tenn.
Filed November 10, 1928. Serial No. 275,094. PUBLISHED SEPTEMBER 3, 1929. Class 32.
- 263,750. TABLEWARE—NAMESLY, TEASPOONS, DESERT SPOONS, TABLESPOONS, ROUND-BOWL SOUP SPOONS, SUGAR SHELS, BUTTER KNIVES, ICE-TEA SPOONS, INDIVIDUAL SALAD FORKS, COLD MEAT FORKS, BERRY SPOONS, MEDIUM FORKS, AND MEDIUM KNIVES, ALL MADE OF BASE METAL. THE WESTERN STATES CUTLERY AND MANUFACTURING COMPANY, Boulder, Colo.
Filed November 5, 1928. Serial No. 274,861. PUBLISHED SEPTEMBER 3, 1929. Class 23.
- 263,751. CHOCOLATES AND ALL ASSORTED CANDIES. SUN GARDEN CONFECTIONS COMPANY, Fresno, Calif.
Filed November 16, 1928. Serial No. 275,417. PUBLISHED FEBRUARY 26, 1929. Class 46.
- 263,752. FRESH GRAPES. CALIFORNIA GRAPE PRODUCTS COMPANY, Delano and Ukiah, Calif., and New York, N. Y.
Filed October 3, 1928. Serial No. 273,287. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 263,753. OVERCOATS. BARACH & HURWITZ, INC., New York, N. Y.
Filed September 18, 1929. Serial No. 272,597. PUBLISHED SEPTEMBER 3, 1929. Class 39.
- 263,754. CANNED FRUITS—NAMESLY, CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Iiwaiki, Territory of Hawaii.
Filed July 25, 1928. Serial No. 270,127. PUBLISHED JUNE 4, 1929. Class 46.
- 263,755. CERTAIN NAMED PAINT PRODUCTS. ELCO PAINT PRODUCTS INC., New York, N. Y.
Filed December 19, 1928. Serial No. 276,953. PUBLISHED SEPTEMBER 3, 1929. Class 16.
- 263,756. SANITARY NAPKINS. SWISS TEXTILE CO., INC., doing business as Puritan Mills, New York, N. Y.
Filed December 8, 1928. Serial No. 276,461. PUBLISHED SEPTEMBER 3, 1929. Class 44.
- 263,757. PAINTS OTHER THAN WATER PAINTS, INCLUDING DRY, READY-MIXED, AND PASTE PAINTS, PAINT ENAMELS, AND VARNISHES. DANIEL J. MCCRUDDEN, Jr., doing business as Monad Paint & Varnish Co., Philadelphia, Pa., assignor to Monad Paint & Varnish Co., Philadelphia, Pa., a Corporation of Pennsylvania.
Filed November 9, 1928. Serial No. 275,062. PUBLISHED FEBRUARY 5, 1929. Class 16.
- 263,758. NEGLIGEE AND SPORT SHIRTS. THE HATTAN SHIRT CO., New York, N. Y.
Filed November 3, 1928. Serial No. 274,784. PUBLISHED AUGUST 27, 1929. Class 39.
- 263,759. TITLE OF A MONTHLY JOURNAL. THE DISPLAY PUBLISHING CO., Cincinnati, Ohio.
Filed April 18, 1929. Serial No. 282,597. PUBLISHED AUGUST 27, 1929. Class 28.
- 263,760. SERIES OF PUBLICATIONS ON LUMBER, PUBLISHED FROM TIME TO TIME. MARSH & TRUMAN LUMBER COMPANY, Chicago, Ill.
Filed March 25, 1929. Serial No. 281,306. PUBLISHED AUGUST 20, 1929. Class 38.
- 263,761. PERIODICAL PUBLICATION. THE NATIONAL SOCIETY OF THE SONS AND DAUGHTERS OF THE PILGRIMS, Meadowbrook, Pa.
Filed March 18, 1929. Serial No. 280,935. PUBLISHED AUGUST 20, 1929. Class 38.

- 263,762. LINIMENT. WYETH CHEMICAL COMPANY, Jersey City, N. J.
Filed June 1, 1929. Serial No. 284,922. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,763. MOUTH WASHES, ANALGESIC BALMS, BEEF, IRON, AND WINE; DENTAL CREAMS, VANISHING CREAMS, COLD CREAMS, TOILET WATERS, TALCUM POWDERS, AND ASPIRIN TABLETS. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed May 31, 1929. Serial No. 284,885. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,764. MEDICINE FOR CLEANING BLOOD, LAXATIVE, CHRONIC CONSTIPATION, ETC. STANLEY GAWRONSKI, Staten Island, N. Y.
Filed May 29, 1929. Serial No. 284,807. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,765. MEDICINE FOR CHRONIC RHEUMATISM, CLEANING BLOOD, ETC. STANLEY GAWRONSKI, Staten Island, N. Y.
Filed May 29, 1929. Serial No. 284,806. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,766. GENERAL TONIC. LUIS G. REZA, Zelzah, Calif.
Filed May 27, 1929. Serial No. 284,695. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,767. DYESTUFFS, LAKES, AND CHEMICAL PRODUCTS SUITABLE FOR DYEING PURPOSES. GEIGY COMPANY, INC., New York, N. Y.
Filed May 22, 1929. Serial No. 284,453. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,768. HAIR TONIC, FACIAL CREAMS, AND LOTIONS. GREEN STRIPE CHAIN, Portland, Ore.
Filed May 20, 1929. Serial No. 284,332. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,769. NONPRECIOUS-METAL SMALL WARES—NAMESLY, PINS, SAFETY PINS, AND SNAP FASTENERS. W. S. STEFFEN, INC., New York, N. Y.
Filed May 14, 1929. Serial No. 284,019. PUBLISHED SEPTEMBER 3, 1929. Class 40.
- 263,770. PREPARATION FOR CREATING A SUN-TANNED COMPLEXION AND FOR PREVENTING SUNBURN AND FRECKLES. MAX FACTOR & CO., Los Angeles, Calif.
Filed May 1, 1929. Serial No. 283,331. PUBLISHED AUGUST 13, 1929. Class 6.
- 263,771. TONIC PILLS USED AS A STIMULANT TO PROMOTE CIRCULATION OF THE BLOOD. MITSUWA CO., INC., San Francisco, Calif.
Filed April 27, 1929. Serial No. 283,132. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,772. MEDICINE FOR THE TREATMENT OF CANCER. ROY A. WATSON, doing business as Watson Sanitarium, Ashland, Ohio.
Filed April 26, 1929. Serial No. 283,071. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,773. OINTMENTS, SUPPOSITORIES, AND PESSARIES, ETC. MENLEY & JAMES LIMITED, New York, New York, N. Y.
Filed April 24, 1929. Serial No. 282,933. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,774. DENTIFRICES, MOUTH WASHES, DENTAL AND MEDICAL ANTISEPTICS, ANESTHETICS, AND MEDICAMENTS FOR ORAL HYGIENE. THE ANTIDOLOR MFG. CO., INC., Springville, N. Y.
Filed April 9, 1929. Serial No. 282,093. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,775. PREPARATION TO BE APPLIED TO THE FACE, NECK, HANDS, ARMS, AND LEGS TO GIVE A TANNED APPEARANCE. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed February 18, 1929. Serial No. 279,502. PUBLISHED AUGUST 20, 1929. Class 6.

- 263,776. FELT, STRAW, AND CLOTH HATS AND CAPS FOR THE USE OF MEN AND BOYS. PARAGON HAT CO., Chicago, Ill.
Filed June 3, 1929. Serial No. 284,950. PUBLISHED AUGUST 20, 1929. Class 39.
- 263,777. RUN-REPAIR NEEDLES (HAND-OPERATED) THE SHEPPERACK MANUFACTURING COMPANY, Norristown, Pa.
Filed May 29, 1929. Serial No. 284,761. PUBLISHED AUGUST 20, 1929. Class 40.
- 263,778. MEN'S HEAVY WORK SHOES CONSTRUCTED OF LEATHER AND/OR RUBBER OR ANY COMBINATIONS THEREOF, HAVING RUBBER SOLES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed May 21, 1929. Serial No. 284,394. PUBLISHED AUGUST 13, 1929. Class 39.
- 263,779. MEDICAL PREPARATION FOR TREATMENT OF ARTHRITIS, NEURITIS, AND RHEUMATIC CONDITIONS. RESEARCH PRODUCTS CORPORATION, Los Angeles, Calif.
Filed June 3, 1929. Serial No. 284,927. PUBLISHED AUGUST 20, 1929. Class 6.
- 263,780. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed June 1, 1929. Serial No. 284,916. PUBLISHED AUGUST 6, 1929. Class 1.
- 263,781. COAL. DIXIE COAL COMPANY, Paris, Ark.
Filed June 1, 1929. Serial No. 284,902. PUBLISHED AUGUST 20, 1929. Class 1.
- 263,782. WOOD LATH. WILLIAM B. FEW, Montrose, La.
Filed May 31, 1929. Serial No. 284,850. PUBLISHED AUGUST 20, 1929. Class 12.
- 263,783. MINERAL WOOL USED FOR SOUND-DEADENING AND THERMAL INSULATION PURPOSES. COAST INSULATING COMPANY, Torrance and Los Angeles, Calif.
Filed May 22, 1929. Serial No. 284,442. PUBLISHED AUGUST 13, 1929. Class 12.
- 263,784. WOOD SHINGLES. ST. PAUL AND TACOMA LUMBER CO., Tacoma, Wash.
Filed May 20, 1929. Serial No. 284,369. PUBLISHED AUGUST 13, 1929. Class 12.
- 263,785. FABRICATED EXPANDED METAL MESH AND SPOT-WELDED WIRE MESH. LEON R. MACKENZIE, Des Moines, Iowa.
Filed May 20, 1929. Serial No. 284,359. PUBLISHED AUGUST 20, 1929. Class 12.
- 263,786. PORTLAND CEMENT. INTERNATIONAL CEMENT CORPORATION, New York, N. Y.
Filed May 18, 1929. Serial No. 284,265. PUBLISHED AUGUST 13, 1929. Class 12.
- 263,787. CERTAIN NAMED RAW OR PARTLY-PREPARED MATERIALS. CELLULOID CORPORATION, Newark, N. J.
Filed May 16, 1929. Serial No. 284,110. PUBLISHED AUGUST 20, 1929. Class 1.
- 263,788. COAL. PITTSBURGH COAL COMPANY OF WISCONSIN, Minneapolis, Minn.
Filed May 13, 1929. Serial No. 283,967. PUBLISHED AUGUST 27, 1929. Class 1.
- 263,789. COAL. PITTSBURGH COAL COMPANY OF WISCONSIN, Minneapolis, Minn.
Filed May 10, 1929. Serial No. 283,804. PUBLISHED AUGUST 27, 1929. Class 1.
- 263,790. GLAZED AND UNGLAZED CLAY TILES. FRANKLIN POTTERY (INC.), Lansdale, Pa.
Filed April 27, 1929. Serial No. 283,111. PUBLISHED AUGUST 20, 1929. Class 12.
- 263,791. WALL AND FLOOR TILES. FRANKLIN POTTERY (INC.), Lansdale, Pa.
Filed April 27, 1929. Serial No. 283,100. PUBLISHED AUGUST 13, 1929. Class 12.
- 263,792. MANUFACTURED ICE. HUGH A. DRANE, doing business as Hugh Drane Ice Company, Athens, Tex.
Filed April 25, 1929. Serial No. 282,980. PUBLISHED AUGUST 13, 1929. Class 1.

- 263,793. DYED MUSKRAT FURS. KOFKY BROS. INC., New York, N. Y.
Filed April 10, 1929. Serial No. 282,189. PUBLISHED AUGUST 20, 1929. Class 1.
- 263,794. LASTS FOR BOOTS AND SHOES. UNITED LAST COMPANY, Boston, Mass.
Filed April 1, 1929. Serial No. 281,700. PUBLISHED JUNE 4, 1929. Class 50.
- 263,795. COAL AND COKE. WHITE BROTHERS, Scotts, Mich.
Filed March 18, 1929. Serial No. 280,969. PUBLISHED AUGUST 27, 1929. Class 1.
- 263,796. COAL. SHERIDAN-WYOMING COAL COMPANY, INCORPORATED, Sheridan, Wyo.
Filed March 12, 1929. Serial No. 280,621. PUBLISHED AUGUST 13, 1929. Class 1.
- 263,797. CALKING CEMENT. THE DURABLE PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 17, 1929. Serial No. 278,094. PUBLISHED AUGUST 20, 1929. Class 12.
- 263,798. PLASTIC, NONRESILIENT PIPE-JOINT-PACKING COMPOUND. KARSSEN & COMPANY, Copenhagen, Denmark.
Filed December 20, 1928. Serial No. 277,004. PUBLISHED AUGUST 13, 1929. Class 12.
- 263,799. TWINE. AMERICAN NET & TWINE COMPANY, Boston, Mass., and New York, N. Y.
Filed July 12, 1929. Serial No. 286,971. PUBLISHED AUGUST 20, 1929. Class 7.
- 263,800. FIRECRACKERS. LI & FUNG, doing business as Ming Hing, Canton, China.
Filed July 9, 1929. Serial No. 286,830. PUBLISHED SEPTEMBER 3, 1929. Class 9.
- 263,801. WRITING PAPER AND ENVELOPES, AND PARTICULARLY PAPETERIES. Z. & W. M. CRANE, INC., Dalton, Mass.
Filed July 3, 1929. Serial No. 286,534. PUBLISHED AUGUST 27, 1929. Class 37.
- 263,802. PERIODICAL PRINTED FROM TIME TO TIME. JANICE HAMILTON, New York, N. Y.
Filed July 2, 1929. Serial No. 286,469. PUBLISHED AUGUST 27, 1929. Class 38.
- 263,803. BONED CHICKEN, CHICKEN GIBLETS AND WINGS, CHICKEN BROTH, PLUM PUDDING. SKINNER CANNING COMPANY, Owensmouth, Calif.
Filed July 1, 1929. Serial No. 286,458. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,804. SALAD DRESSING. CHAS. D. MBSCHTER, INC., New York and Long Island City, N. Y.
Filed June 29, 1929. Serial No. 286,373. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,805. TOILET PAPER. THE PAPERLESS PAPER MILLS, INC., Oaks, Penna.
Filed June 28, 1929. Serial No. 286,335. PUBLISHED AUGUST 27, 1929. Class 37.
- 263,806. OXTONGUE, PLUM PUDDINGS, BOILED BEEF, BREAKFAST TONGUE, CHEESE BOAR'S HEAD, BEEF SUET, BRAWN, TONGUE BRAWN, HAM PASTE, AND PRESSED BEEF. APLIN & BARNETT & THE WESTERN COUNTIES CREAMERIES, LIMITED, Yeovil, England.
Filed June 28, 1929. Serial No. 286,298. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,807. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Ore.
Filed June 27, 1929. Serial No. 286,266. PUBLISHED AUGUST 27, 1929. Class 37.
- 263,808. LIQUID CITRUS PECTIN FOR MAKING JAMS AND JELLIES, FLAVORED AND UN-FLAVORED. AL-MO-CO CORPORATION, Cincinnati, Ohio.
Filed June 27, 1929. Serial No. 286,216. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,809. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed June 25, 1929. Serial No. 286,139. PUBLISHED SEPTEMBER 3, 1929. Class 42.
- 263,810. PRESERVED FRUITS, TABLE AND COOKING SYRUPS, CANNED VEGETABLES. LOUVIERE BROTHERS, Union, La.
Filed June 25, 1929. Serial No. 286,125. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,811. FABRICS ALL SILK. PIERRE LELONG, doing business as Soleries Pebel, France.
Filed June 24, 1929. Serial No. 286,063. PUBLISHED SEPTEMBER 3, 1929. Class 42.
- 263,812. LACES, NETS, EMBROIDERIES, AND MAILINES IN THE PIECE. LACE NET IMPORTING CO. INC., New York, N. Y.
Filed June 22, 1929. Serial No. 285,977. PUBLISHED SEPTEMBER 3, 1929. Class 42.
- 263,813. A MONTHLY MAGAZINE. ROLLER FANCIERS CORPORATION, Kansas City, Mo.; Chicago, Ill.; San Francisco, Calif.; London, England; Vancouver, British Columbia, Canada; and Leipzig, Germany.
Filed June 19, 1929. Serial No. 285,827. PUBLISHED AUGUST 27, 1929. Class 38.
- 263,814. A MONTHLY PUBLICATION. SYNTHETIC NITROGEN PRODUCTS CORPORATION, New York, N. Y., assignor to Synthetic Nitrogen Products Corporation, New York, N. Y., a Corporation of New York.
Filed June 18, 1929. Serial No. 285,757. PUBLISHED AUGUST 27, 1929. Class 38.
- 263,815. PERIODICALLY-CIRCULATED PUBLICATIONS. CORNSTALK PRODUCTS COMPANY, INC., Danville, Ill.
Filed May 23, 1929. Serial No. 284,523. PUBLISHED AUGUST 20, 1929. Class 38.
- 263,816. PERIODICAL PUBLICATION. SIDNEY J. BEER, Los Angeles, Calif.
Filed May 17, 1929. Serial No. 284,156. PUBLISHED AUGUST 20, 1929. Class 38.
- 263,817. A MAGAZINE. AMERICAN BUILDER PUBLISHING CORPORATION, New York, N. Y.
Filed April 29, 1929. Serial No. 283,166. PUBLISHED AUGUST 27, 1929. Class 38.
- 263,818. MAGAZINES. THE HOUND & HORN, INCORPORATED, Cambridge, Mass.
Filed April 22, 1929. Serial No. 282,781. PUBLISHED AUGUST 27, 1929. Class 38.
- 263,819. CANNED FRUITS, VEGETABLES, FISH, ETC. CROWN WHOLESALE GROCERY CO. INC., Brooklyn, N. Y.
Filed March 15, 1929. Serial No. 280,761. PUBLISHED AUGUST 27, 1929. Class 46.
- 263,820. MALT SYRUP. RED SUN PRODUCTS COMPANY, Chicago, Ill.
Filed February 18, 1929. Serial No. 279,561. PUBLISHED APRIL 16, 1929. Class 46.
- 263,821. DENTAL CHAIRS AND ELECTRIC MOTORS ASSOCIATED THEREWITH. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed June 29, 1928. Serial No. 268,888. PUBLISHED SEPTEMBER 3, 1929. Class 44.
- 263,822. DENTAL CHAIRS AND ELECTRIC MOTORS ASSOCIATED THEREWITH. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed June 29, 1928. Serial No. 268,887. PUBLISHED SEPTEMBER 3, 1929. Class 44.
- 263,823. CANDY. WM. H. RANKIN COMPANY, Chicago, Ill.
Filed June 27, 1928. Serial No. 268,749. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 263,824. CERTAIN NAMED PAINT PRODUCTS. THE TAUBMAN AUTOMOTIVE CO., Baltimore, Md.
Filed June 25, 1928. Serial No. 268,648. PUBLISHED SEPTEMBER 3, 1929. Class 16.

263,825. WALL BOARD OR INSULATING BOARD. WM. H. RANKIN COMPANY, Chicago, Ill.
Filed June 25, 1928. Serial No. 263,631. PUBLISHED AUGUST 13, 1929. Class 12.

263,826. CAPS FOR MEN AND BOYS. SOBOROFF-ROSENWALD COMPANY, Chicago, Ill.
Filed June 21, 1928. Serial No. 263,468. PUBLISHED AUGUST 13, 1929. Class 39.

263,827. ASH RECEPTACLES AND CIGARETTE EXTINGUISHERS. DE LUXE PRODUCTS MANUFACTURING CO., Emeryville, Calif.
Filed June 22, 1929. Serial No. 285,965. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,828. MEN'S, LADIES', AND CHILDREN'S HOSIERY. SAMUEL L. ABRAMS, New York, N. Y.
Filed July 12, 1929. Serial No. 286,969. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,829. A PRODUCT IN THE NATURE OF A PAINT OR VARNISH WHICH PREVENTS CORROSION. CHESTER F. GAILOR, INC., New York, N. Y.
Filed June 5, 1929. Serial No. 285,077. PUBLISHED SEPTEMBER 3, 1929. Class 16.

263,830. SOAP. COLGATE-PALMOLIVE-PET COMPANY, Chicago, Ill.
Filed April 24, 1929. Serial No. 282,917. PUBLISHED AUGUST 27, 1929. Class 4.

263,831. LINOLEUM. CARTHAGE MILLS INCORPORATED, Cincinnati, Ohio.
Filed June 10, 1929. Serial No. 285,330. PUBLISHED SEPTEMBER 3, 1929. Class 20.

263,832. QUILTED GOODS IN THE PIECE MADE OF COTTON, SILK, WOOL, RAYON, AND/OR COMBINATIONS THEREOF. AMERICAN NEEDLECRAFTS, INC., New York, N. Y.
Filed June 4, 1929. Serial No. 285,004. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,833. SILVER POLISHES. V. VIVAUDOU, INC., New York, N. Y., assignor to Beckitts (U. S. A.) Ltd., Rochester, N. Y.
Filed July 6, 1929. Serial No. 286,698. PUBLISHED AUGUST 27, 1929. Class 4.

263,834. SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS WITH AND WITHOUT THE ADDITION OF SOAP. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed July 3, 1929. Serial No. 286,553. PUBLISHED AUGUST 20, 1929. Class 4.

263,835. WRITING PAPER AND ENVELOPES, AND PARTICULARLY PAPETERIES. Z. & W. M. CRANE, Inc., Dalton, Mass.
Filed July 3, 1929. Serial No. 286,533. PUBLISHED AUGUST 27, 1929. Class 37.

263,836. SOAP COMPOSITION SUITABLE FOR WASHING IN WATER OF LOW TEMPERATURE. BEACH SOAP COMPANY, Lawrence, Mass.
Filed July 2, 1929. Serial No. 286,472. PUBLISHED AUGUST 20, 1929. Class 4.

263,837. CLEANERS, DRESSINGS, POLISHES, AND LIQUID AND SOLID WAXES USED IN THE MANUFACTURING AND REPAIR OF BOOTS AND SHOES. UNITED SHOE MACHINERY CORPORATION, Boston, Mass.
Filed June 29, 1929. Serial No. 286,400. PUBLISHED AUGUST 27, 1929. Class 4.

263,838. LIQUID DRY CLEANERS. THE ENERGINE COMPANY, Cleveland, Ohio.
Filed June 27, 1929. Serial No. 286,235. PUBLISHED AUGUST 20, 1929. Class 4.

263,839. LIQUID DRY CLEANERS. THE ENERGINE COMPANY, Cleveland, Ohio.
Filed June 27, 1929. Serial No. 286,232. PUBLISHED AUGUST 27, 1929. Class 4.

263,840. LEAD PENCILS. AMERICAN LEAD PENCIL COMPANY, New York, N. Y.
Filed June 27, 1929. Serial No. 286,218. PUBLISHED AUGUST 27, 1929. Class 37.

263,841. WALL PAPER. BECKER, SMITH & PAGE, INCORPORATED, Philadelphia, Pa.
Filed June 21, 1929. Serial No. 285,904. PUBLISHED AUGUST 20, 1929. Class 37.

263,842. CLEANER AND POLISHER FOR METAL SURFACES SUCH AS BRASS, SILVER, ALUMINUM, AND NICKEL. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed June 14, 1929. Serial No. 285,583. PUBLISHED AUGUST 20, 1929. Class 4.

263,843. CLEANSING COMPOUND ESPECIALLY ADAPTED FOR GENERAL HOUSEHOLD AND OFFICE USE. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed June 10, 1929. Serial No. 285,395. PUBLISHED AUGUST 20, 1929. Class 4.

263,844. BUSINESS FORMS. PERCEVAL HOWARD KEAYS, Buffalo, N. Y.
Filed June 10, 1929. Serial No. 285,357. PUBLISHED AUGUST 20, 1929. Class 37.

263,845. SILK PIECE GOODS. ALBERT GODDE, BEDIN, INC., New York, N. Y.
Filed July 27, 1929. Serial No. 287,734. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,846. RAYON AND SILK PIECE GOODS AND MIXTURES THEREOF. DUPLAN SILK CORPORATION, New York, N. Y.
Filed July 18, 1929. Serial No. 287,285. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,847. PAPETERIES, BRISTOL BOARD, PAPER AND CARDS FOR WEDDING, ANNOUNCEMENT, AND GREETING PURPOSES; AND MAILING ENVELOPES. STRATHMORE PAPER COMPANY, Moline, Mass.
Filed July 12, 1929. Serial No. 287,028. PUBLISHED AUGUST 27, 1929. Class 37.

263,848. THREADS AND YARNS OF COTTON, FLAX, HEMP, JUTE, GRASS, AND OTHER VEGETABLE FIBRES DYED WITH FAST COLOURS. I. G. FARBENINDUSTRIE AKTIENGESellschaft, Frankfurt-on-the-Main, Germany.
Filed July 16, 1929. Serial No. 287,179. PUBLISHED SEPTEMBER 3, 1929. Class 43.

263,849. SILK PIECE GOODS. ALBERT GODDE, BEDIN, INC., New York, N. Y.
Filed July 18, 1929. Serial No. 287,275. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,850. BOOK, TEXT, AND COVER PAPER AND MAILING ENVELOPES. STRATHMORE PAPER COMPANY, Moline, Mass.
Filed July 12, 1929. Serial No. 287,027. PUBLISHED AUGUST 27, 1929. Class 37.

263,851. CONFECTIONERY—NAMESLY, CANDY; ICE CREAM, FROZEN DESSERTS, PASTRY. JACK S. BLUM, doing business as Blum's, San Francisco, Calif.
Filed June 3, 1929. Serial No. 284,963. PUBLISHED AUGUST 27, 1929. Class 46.

263,852. PERIODICAL PUBLISHED MONTHLY. THE SPORTSMAN PILOT, INC., New York, N. Y.
Filed May 25, 1929. Serial No. 284,645. PUBLISHED AUGUST 20, 1929. Class 38.

263,853. TEXTILE FABRICS—NAMESLY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed May 16, 1929. Serial No. 284,137. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,854. TEXTILE FABRICS—NAMESLY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed May 16, 1929. Serial No. 284,136. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,855. TEXTILE FABRICS—NAMESLY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed May 16, 1929. Serial No. 284,135. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,856. WAX PAPER. REGAL PAPER COMPANY, Pultski, N. Y.
Filed May 15, 1929. Serial No. 284,079. PUBLISHED AUGUST 27, 1929. Class 37.

263,857. TEXTILE CARPETS AND RUGS. NORTH-MEHOONAY FURNITURE CO., Kansas City, Mo.
Filed May 15, 1929. Serial No. 284,038. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,858. SPICES, FLAVORING EXTRACTS FOR FOOD PURPOSES, HONEY, POTATO STARCH FOR FOOD PURPOSES. THE PRUDENTIAL NATIONAL CORPORATION, Brooklyn, N. Y.
Filed April 27, 1929. Serial No. 283,138. PUBLISHED AUGUST 27, 1929. Class 46.

263,859. MAGAZINES. THE HOUND & HORN, INCORPORATED, Cambridge, Mass.
Filed April 22, 1929. Serial No. 282,782. PUBLISHED AUGUST 27, 1929. Class 38.

263,860. SOAP. COLGATE-PALMOLIVE-PET COMPANY, Chicago, Ill.
Filed April 24, 1929. Serial No. 282,916. PUBLISHED AUGUST 27, 1929. Class 4.

263,861. HOUSEHOLD AND OFFICE FURNITURE—NAMESLY, CHAIRS, TABLES, CABINETS, AND DESKS. BOUY INCORPORATED, New York, N. Y.
Filed June 30, 1928. Serial No. 268,911. PUBLISHED SEPTEMBER 3, 1929. Class 32.

263,862. LADIES' AND MISSES' HATS. CHARLES MOFFET & M. SHAPIRO, INC., New York, N. Y.
Filed February 17, 1928. Serial No. 261,827. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,863. CANNED VEGETABLES, CANNED FRUITS, CANNED SAUERKRAUT, AND COFFEE. GREENSPAN BROS. CO., Perth Amboy, N. J.
Filed December 3, 1927. Serial No. 258,412. PUBLISHED AUGUST 27, 1929. Class 46.

263,864. CERTAIN NAMED WEARING APPAREL. LEON L. BEAN, Freeport, Me.
Filed October 6, 1927. Serial No. 255,695. PUBLISHED JANUARY 31, 1928. Class 30.

263,865. CERTAIN NAMED RAW OR PARTLY-PREPARED MATERIALS. SIEMENS-SCHUCKERTWERKE AKTIENGESellschaft, Berlin-Siemensstadt, Germany.
Filed October 11, 1927. Serial No. 255,932. PUBLISHED AUGUST 20, 1929. Class 1.

263,866. FUNGICIDES. THE ROESSLER & HASSLACHER CHEMICAL COMPANY, New York, N. Y.
Filed April 29, 1929. Serial No. 283,222. PUBLISHED JULY 2, 1929. Class 6.

263,867. PREPARATION FOR DESTROYING MOTHS. W. A. FROST MYSTIC CO., INC., St. Paul, Minn.
Filed June 20, 1928. Serial No. 268,365. PUBLISHED AUGUST 20, 1929. Class 6.

263,868. BOOTS AND SHOES MADE PRINCIPALLY OF LEATHER. THE HAGERSTOWN SHOE AND LEGGING CO., Hagerstown, Md.
Filed June 11, 1928. Serial No. 267,839. PUBLISHED OCTOBER 23, 1928. Class 39.

263,869. SEPARABLE FASTENERS, ESPECIALLY OF THE SLIDER-CONTROLLED TYPE. HOOKLESS FASTENER COMPANY, Meadville, Pa.
Filed March 9, 1927. Serial No. 245,439. PUBLISHED SEPTEMBER 3, 1929. Class 13.

263,870. LEATHER BOOTS AND SHOES. SAMUEL ELKIND, doing business as The Empire Shoe Company, New York, N. Y.
Filed August 18, 1927. Serial No. 253,646. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,871. COMPOSITION ROOFING MATERIALS. ATLANTA GAS LIGHT CO., Atlanta, Ga.
Filed June 9, 1928. Serial No. 267,737. PUBLISHED AUGUST 6, 1929. Class 12.

263,872. CANNED FRUITS AND VEGETABLES AND COFFEE. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y.
Filed June 6, 1928. Serial No. 267,610. PUBLISHED AUGUST 27, 1929. Class 46.

263,873. WOOLEN BLANKETS. BUTLER BROTHERS, Chicago, Ill.
Filed May 31, 1928. Serial No. 267,237. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,874. SOAP FLAKES. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed April 30, 1928. Serial No. 265,692. PUBLISHED AUGUST 27, 1929. Class 4.

263,875. AUTO AND FURNITURE POLISH. HENRY SHIELD, doing business as Common Sense Mfg. Co., St. Louis, Mo.
Filed April 19, 1928. Serial No. 265,123. PUBLISHED JULY 24, 1928. Class 16.

263,876. LEATHER STROPS. ZIP, INC., Portland, Oreg.
Filed April 9, 1928. Serial No. 264,628. PUBLISHED AUGUST 20, 1929. Class 4.

263,877. TOILET PAPER AND PAPER NAPKINS. MUTUAL STORES, INC., Oakland, Calif.
Filed April 7, 1928. Serial No. 264,499. PUBLISHED OCTOBER 9, 1928. Class 37.

263,878. HORSE-MEAT PRODUCT CANNED, SALTED, AND SMOKED. CHAPPEL BROS., INC., Rockford, Ill.
Filed March 16, 1928. Serial No. 263,258. PUBLISHED AUGUST 27, 1929. Class 46.

263,879. BOOKS. AMERICAN SOCIAL REGISTRY, INC., New York, N. Y.
Filed March 10, 1928. Serial No. 262,887. PUBLISHED AUGUST 27, 1929. Class 38.

263,880. PORTLAND CEMENT. PENNSYLVANIA-DIXIE CEMENT CORPORATION, Nazareth, Pa.
Filed March 2, 1928. Serial No. 262,527. PUBLISHED AUGUST 13, 1929. Class 12.

263,881. CANDY. ANDRE BECK, New York, N. Y.
Filed February 24, 1928. Serial No. 262,147. PUBLISHED MAY 15, 1928. Class 46.

263,882. LUBRICATING OILS AND GREASES. AMERICAN OIL WORKS CO., Titusville, Pa.
Filed February 20, 1928. Serial No. 261,933. PUBLISHED AUGUST 14, 1928. Class 15.

263,883. CERTAIN NAMED RAW OR PARTLY-PREPARED MATERIALS. SIEMENS-SCHUCKERTWERKE AKTIENGESellschaft, Berlin-Siemensstadt, Germany.
Filed December 6, 1927. Serial No. 258,552. PUBLISHED AUGUST 20, 1929. Class 1.

263,884. JUTE BAG CLOTH. MENTE & CO., INC., New Orleans, La.
Filed July 21, 1928. Serial No. 269,969. PUBLISHED SEPTEMBER 3, 1929. Class 42.

263,885. HAND SOAP. IMPRE KIRALY, New York, N. Y.
Filed November 5, 1928. Serial No. 274,832. PUBLISHED AUGUST 27, 1929. Class 4.

263,886. SAFETY PAPER MADE BY OVER-ALL DESIGNS APPLIED TO ONE OR BOTH SIDES THEREOF BY A PRINTING OR A CHEMICAL PROCESS. GURNEY SECURITY PAPER COMPANY, INC., Brooklyn, N. Y.
Filed August 13, 1928. Serial No. 270,930. PUBLISHED AUGUST 27, 1929. Class 37.

263,887. CLEANING FLUID PARTICULARLY INTENDED AND SOLD FOR USE IN CLEANING HATS AND THE LIKE. CONSTANTINE PETROULEAS, doing business as G. P. Natural Cleaning Fluid Company, Brooklyn, N. Y.
Filed July 27, 1928. Serial No. 270,261. PUBLISHED AUGUST 20, 1929. Class 4.

263,888. PERIODICAL PUBLISHED MONTHLY. AERONAUTICAL WORLD PUBLISHING COMPANY, Los Angeles, Calif.
Filed September 12, 1928. Serial No. 272,244. PUBLISHED AUGUST 27, 1929. Class 38.

263,889. CERTAIN NAMED WEARING APPAREL. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed June 25, 1929. Serial No. 286,108. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,890. PREPARATION TO BE USED AS A DRINK FOR REDUCING AND PREVENTING OVERWEIGHT. S. S. ROBIES, doing business as the European Herb Laboratory, Kenosha, Wis.
Filed June 20, 1929. Serial No. 285,846. PUBLISHED AUGUST 20, 1929. Class 6.

263,891. FOOTWEAR—NAMELY, BOOTS, SHOES, SLIPPERS, AND SANDALS OF LEATHER, RUBBER OR FABRIC, OR COMBINATIONS OF THOSE MATERIALS. SOMMER & KAUFMANN, INC., San Francisco, Calif.
Filed June 17, 1929. Serial No. 285,719. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,892. NARROW ELASTIC FABRICS. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed June 15, 1929. Serial No. 285,640. PUBLISHED SEPTEMBER 3, 1929. Class 40.

263,893. GENERAL MEDICINAL HERB TONIC. JOHN B. GAGNON, doing business as Atlasede Medicine Co., Augusta, Me.
Filed June 13, 1929. Serial No. 285,510. PUBLISHED AUGUST 20, 1929. Class 6.

263,894. COAL. CRYSTAL CITY FUEL & OIL CO., INCORPORATED, Crystal City, Mo.
Filed June 26, 1929. Serial No. 286,159. PUBLISHED AUGUST 27, 1929. Class 1.

263,895. BUILDING CEMENT. LAWRENCE PORTLAND CEMENT COMPANY, Northampton, Pa.
Filed June 25, 1929. Serial No. 286,122. PUBLISHED AUGUST 27, 1929. Class 12.

263,896. STONE FOR BUILDING AND DECORATIVE PURPOSES. ALGONITE STONE MANUFACTURING COMPANY, St. Louis, Mo.
Filed June 24, 1929. Serial No. 286,006. PUBLISHED AUGUST 27, 1929. Class 12.

263,897. LATEX COMPOSITIONS. THE NAUGATUCK CHEMICAL COMPANY, New York, N. Y.
Filed June 20, 1929. Serial No. 285,873. PUBLISHED AUGUST 20, 1929. Class 1.

263,898. BARREL LINING (PITCH). ERNST ZOBEL COMPANY, New York, N. Y.
Filed June 11, 1929. Serial No. 285,423. PUBLISHED AUGUST 13, 1929. Class 1.

263,899. BARREL LINING (PITCH). ERNST ZOBEL COMPANY, New York, N. Y.
Filed June 11, 1929. Serial No. 285,432. PUBLISHED AUGUST 13, 1929. Class 1.

263,900. FOUNDATION COAL CHUTES AND STEEL WINDOWS. W. H. TAYLOR COMPANY, Des Moines, Iowa.
Filed June 19, 1929. Serial No. 285,796. PUBLISHED AUGUST 20, 1929. Class 12.

263,901. BUILDING LIME. ASH GROVE LIME & PORTLAND CEMENT CO., Kansas City, Mo.
Filed June 6, 1929. Serial No. 285,143. PUBLISHED AUGUST 20, 1929. Class 12.

263,902. FRESH-CUT FLOWERS. GEORGE A. CRAWBUCK, Brooklyn, N. Y.
Filed June 5, 1929. Serial No. 285,071. PUBLISHED AUGUST 6, 1929. Class 1.

263,903. LEATHER. A. C. LAWRENCE LEATHER COMPANY, Boston, Mass.
Filed June 11, 1929. Serial No. 285,420. PUBLISHED AUGUST 6, 1929. Class 1.

263,904. LEATHER. A. C. LAWRENCE LEATHER COMPANY, Boston, Mass.
Filed June 11, 1929. Serial No. 285,419. PUBLISHED AUGUST 6, 1929. Class 1.

263,905. SMOOTH-SURFACE ASPHALT ROLL-ROOFING. THE RUBEROLD CO., Boundbrook, N. J., and New York, N. Y.
Filed June 17, 1929. Serial No. 285,690. PUBLISHED AUGUST 6, 1929. Class 12.

263,906. PORTLAND CEMENT AND OIL-WELL CEMENT. YOSEMITE PORTLAND CEMENT CORPORATION, Fresno, Calif.
Filed June 5, 1929. Serial No. 285,127. PUBLISHED AUGUST 20, 1929. Class 12.

263,907. PORTLAND CEMENT AND OIL-WELL CEMENT. YOSEMITE PORTLAND CEMENT CORPORATION, Fresno, Calif.
Filed June 5, 1929. Serial No. 285,128. PUBLISHED AUGUST 20, 1929. Class 12.

263,908. PORTLAND CEMENT. YOSEMITE PORTLAND CEMENT CORPORATION, Fresno, Calif.
Filed June 5, 1929. Serial No. 285,129. PUBLISHED AUGUST 20, 1929. Class 12.

263,909. PREPARED ASPHALTIC ROOFING AND ROOFING PLASTICS. UNITED ROOFERS INCORPORATED, Elizabeth, N. J.
Filed June 12, 1929. Serial No. 285,486. PUBLISHED AUGUST 6, 1929. Class 12.

263,910. READY-PREPARED MALT SYRUPS. THE EVEREADY MALT CO., Seattle, Wash.
Filed January 31, 1929. Serial No. 278,062. PUBLISHED AUGUST 27, 1929. Class 46.

263,911. FOODS PREPARED AND UNPREPARED—NAMELY, SANDWICHES, COOKIES, ROLLS, DOUGHNUTS, PIES, CUP CAKES, CHILI CON CARNE, EGGS, CHOCOLATE, AND SUGAR. WHITE TOWER SYSTEM, INC., Milwaukee, Wis.
Filed January 28, 1929. Serial No. 278,577. PUBLISHED AUGUST 27, 1929. Class 46.

263,912. PENS OF ALL DESCRIPTIONS, INCLUDING PENS MADE OF GOLD, SILVER, AND METAL. BRITISH PENS LIMITED, Smethwick, Birmingham, England.
Filed January 12, 1929. Serial No. 277,890. PUBLISHED APRIL 30, 1929. Class 37.

263,913. A MIXTURE OF SOAP WITH OTHER DETERGENT MATERIALS. MITCHELL WING COMPANY, Boston, Mass., assignor to Beach Soap Company, Lawrence, Mass., a Corporation of Massachusetts.
Filed May 22, 1929. Serial No. 284,461. PUBLISHED AUGUST 27, 1929. Class 4.

263,914. PENS AND PENCILS. HELEN ROWE THOMAS, New York, N. Y.
Filed May 14, 1929. Serial No. 284,023. PUBLISHED AUGUST 27, 1929. Class 37.

263,915. PECTIN APPLE JELLY AND PINEAPPLE-APPLE PRESERVES. THE BEST-CLYMER CO., St. Louis, Mo., assignor to Preserves & Honey, Inc., Brooklyn, N. Y., a Corporation of Delaware.
Filed February 12, 1927. Serial No. 244,279. PUBLISHED FEBRUARY 28, 1928. Class 46.

263,916. SWEATERS, BLOUSES, JACKETS, ETC. ALEXANDER SEIFERT, INC., Philadelphia, Pa.
Filed January 29, 1929. Serial No. 278,612. PUBLISHED AUGUST 27, 1929. Class 39.

263,917. AN ELECTRIC HEATING DEVICE FOR THERAPEUTIC USE. CARTER RADIO COMPANY, Chicago, Ill.
Filed May 22, 1929. Serial No. 284,440. PUBLISHED SEPTEMBER 3, 1929. Class 44.

263,918. A WAX POLISHING COMPOUND. DIAMOND WAX COMPANY, Jamesburg, N. J.
Filed May 17, 1929. Serial No. 284,169. PUBLISHED SEPTEMBER 3, 1929. Class 16.

263,919. UNWROUGHT AND PARTLY-WROUGHT NONFERROUS METALS. N. GREENING & SONS, LIMITED, Warrington, England.
Filed May 11, 1929. Serial No. 283,863. PUBLISHED AUGUST 27, 1929. Class 14.

263,920. WALL PAINTER'S SIZE AND PAINTER'S SIZING. THE PATENT CEREALS CO., Geneva, N. Y.
Filed April 1, 1929. Serial No. 281,682. PUBLISHED SEPTEMBER 3, 1929. Class 16.

263,921. SHAVING CREAM. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed April 10, 1929. Serial No. 282,214. PUBLISHED AUGUST 27, 1929. Class 4.

263,922. TABLET COVERS. KALAMAZOO STATIONERY COMPANY, Kalamazoo, Mich.
Filed March 25, 1929. Serial No. 281,300. PUBLISHED AUGUST 27, 1929. Class 37.

263,923. ANNOUNCEMENT, BOOK, AND COVER PAPERS. RISING PAPER COMPANY, Housatonic, Mass.
Filed March 1, 1929. Serial No. 280,136. PUBLISHED AUGUST 20, 1929. Class 37.

263,924. POULTRY GRITS IN POWDERED FORM. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J.
Filed July 23, 1928. Serial No. 270,034. PUBLISHED AUGUST 20, 1929. Class 1.

263,925. POULTRY GRITS. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J.
Filed July 23, 1928. Serial No. 270,033. PUBLISHED AUGUST 20, 1929. Class 1.

263,926. POULTRY GRITS. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J.
Filed July 23, 1928. Serial No. 270,031. PUBLISHED AUGUST 20, 1929. Class 1.

263,927. COKE. THE KOPPERS COMPANY, Pittsburgh, Pa.
Filed July 3, 1928. Serial No. 269,026. PUBLISHED AUGUST 13, 1929. Class 1.

263,928. WATERPROOFING MATERIAL TO BE USED FOR LEATHER, BOOTS, SHOES, HARNESS, LUGGAGE, OR ANY LEATHER GOODS. CHIPPEWA FALLS SPECIALTIES COMPANY, Chippewa Falls, Wis.
Filed April 11, 1929. Serial No. 282,223. PUBLISHED AUGUST 20, 1929. Class 4.

263,929. CLEANING POWDER FOR WATER-CLOSET BOWLS AND AUTOMOBILE RADIATORS. THE HY-GENIC PRODUCTS COMPANY, Canton, Ohio.
Filed April 22, 1929. Serial No. 282,783. PUBLISHED AUGUST 20, 1929. Class 4.

263,930. FOOTWEAR—NAMELY, LADIES' AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. PARAMOUNT SHOE MFG. CO., St. Louis, Mo.
Filed June 24, 1929. Serial No. 286,076. PUBLISHED AUGUST 27, 1929. Class 39.

263,931. MEDICINAL PREPARATION FOR SUBCUTANEOUS AND INTRAVENOUS INJECTION FOR THE TREATMENT OF GONORRHEA. CIBRACHO HNOS. & CO. SUCRS., San Juan, P. R.
Filed June 26, 1929. Serial No. 286,156. PUBLISHED AUGUST 20, 1929. Class 6.

263,932. BOOTS AND SHOES OF LEATHER, RUBBER, OR FABRIC OR OF COMBINATIONS OF SUCH MATERIALS HAVING LEATHER SOLES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed June 13, 1929. Serial No. 285,500. PUBLISHED AUGUST 27, 1929. Class 39.

263,933. MEN'S HATS. H. FRIEDMAN HAT CO. INC., New York, N. Y.
Filed June 12, 1929. Serial No. 285,450. PUBLISHED AUGUST 27, 1929. Class 39.

263,934. LEATHER SHOES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed June 11, 1929. Serial No. 285,415. PUBLISHED AUGUST 13, 1929. Class 39.

388 O. G.—22

263,935. LADIES' HATS. EVERITT & GRAP, INC., Milwaukee, Wis.
Filed June 10, 1929. Serial No. 285,348. PUBLISHED AUGUST 13, 1929. Class 39.

263,936. CERTAIN NAMED WEARING APPAREL. WOODBURY SHOE MFG. CO., Derry, N. H.
Filed June 4, 1929. Serial No. 285,054. PUBLISHED AUGUST 13, 1929. Class 39.

263,937. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. ALBERT H. WEINBRENNER CO., Milwaukee, Wis.
Filed June 3, 1929. Serial No. 285,003. PUBLISHED AUGUST 20, 1929. Class 39.

263,937. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. ALBERT H. WEINBRENNER CO., Milwaukee, Wis.
Filed June 3, 1929. Serial No. 285,002. PUBLISHED AUGUST 20, 1929. Class 39.

263,939. SHOES OF COMBINATIONS OF LEATHER AND RUBBER AND OF RUBBER AND FABRIC AND HOSIERY OF COTTON, WOOL, SILK, ARTIFICIAL SILK, AND COMBINATIONS THEREOF. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed July 13, 1929. Serial No. 287,086. PUBLISHED AUGUST 27, 1929. Class 39.

263,940. HEADWEAR—NAMELY, CAPS FOR MEN AND BOYS. FITS-U CAP CO., St. Louis, Mo.
Filed July 15, 1929. Serial No. 287,127. PUBLISHED AUGUST 27, 1929. Class 39.

263,941. LADIES' NEGLIGES, CORSETS, GARTER BELTS, BRASSIERES, BLOUSES, LEATHER GLOVES, CLOTH AND LEATHER SLIPPERS. JOSEPH SALAMY, doing business as Equity Specialty Shop, New York, N. Y.
Filed July 10, 1929. Serial No. 286,902. PUBLISHED AUGUST 27, 1929. Class 39.

263,942. CERTAIN NAMED WEARING APPAREL. VANITY FAIR SILK MILLS, Reading, Pa.
Filed July 8, 1929. Serial No. 286,806. PUBLISHED AUGUST 27, 1929. Class 39.

263,943. INSECTICIDES, FUNGICIDES, AND GERMICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed July 5, 1929. Serial No. 286,660. PUBLISHED AUGUST 20, 1929. Class 6.

263,944. INSECTICIDES, FUNGICIDES, AND GERMICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed July 5, 1929. Serial No. 286,659. PUBLISHED AUGUST 20, 1929. Class 6.

263,945. RUBBER HEELS AND SOLES FOR SHOES. HOLITE MFG. CO., Baltimore, Md.
Filed July 5, 1929. Serial No. 286,676. PUBLISHED AUGUST 27, 1929. Class 39.

263,946. SHOES MADE OF LEATHER, RUBBER, AND FABRIC AND COMBINATIONS OF THE SAME. PONTIAC SHOE MANUFACTURING CO., Pontiac, Ill.
Filed July 3, 1929. Serial No. 286,587. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,947. LEATHER, CLOTH, AND RUBBER BOOTS, SHOES, AND SLIPPERS. HERBERT W. HANAN, doing business as Hanan & Son, Brooklyn, N. Y.
Filed June 27, 1929. Serial No. 286,244. PUBLISHED AUGUST 13, 1929. Class 39.

263,948. LADIES' HATS. ROMANO HATS INC., New York, N. Y.
Filed June 24, 1929. Serial No. 286,079. PUBLISHED AUGUST 13, 1929. Class 39.

263,949. FOOTWEAR—NAMELY, LADIES' AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. PARAMOUNT SHOE MFG. CO., St. Louis, Mo.
Filed June 24, 1929. Serial No. 286,077. PUBLISHED AUGUST 13, 1929. Class 39.

263,950. HOSIERY. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed July 26, 1929. Serial No. 287,704. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,951. FRESH CITRUS FRUITS. ANAHEIM COMMUNITY GROWERS, INC., Anaheim, Calif.
Filed July 24, 1929. Serial No. 287,604. PUBLISHED SEPTEMBER 3, 1929. Class 46.

263,952. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass.
Filed July 23, 1929. Serial No. 287,541. PUBLISHED SEPTEMBER 3, 1929. Class 46.

263,953. CANNED FRUITS AND CANNED VEGETABLES. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif.
Filed July 22, 1929. Serial No. 287,494. PUBLISHED SEPTEMBER 3, 1929. Class 46.

263,954. TEAS. KIM LUNG & CO., San Francisco, Calif.
Filed July 22, 1929. Serial No. 287,475. PUBLISHED SEPTEMBER 3, 1929. Class 46.

263,955. MEN'S CLOTHING, OVERCOATS, TOPCOATS, AND SUITS. EAGLE CLOTHES, New York, N. Y.
Filed July 18, 1929. Serial No. 287,286. PUBLISHED AUGUST 27, 1929. Class 39.

263,956. HOSIERY. THE WILLIAM G. LEININGER KNITTING COMPANY, Mohnton, Pa.
Filed July 17, 1929. Serial No. 287,257. PUBLISHED AUGUST 27, 1929. Class 39.

263,957. WORK SHIRTS. DAVID FELDMAN, doing business as Feldman & Sons, Baltimore, Md.
Filed July 17, 1929. Serial No. 287,239. PUBLISHED AUGUST 27, 1929. Class 39.

263,958. LADIES' HOSIERY. LUCY LOU SHOPS, INCORPORATED, New York, N. Y.
Filed July 16, 1929. Serial No. 287,192. PUBLISHED AUGUST 27, 1929. Class 39.

263,959. PAJAMAS. KATZ UNDERWEAR COMPANY, Honesdale, Pa.
Filed July 16, 1929. Serial No. 287,189. PUBLISHED AUGUST 27, 1929. Class 39.

263,960. PERFUMED CIGARS, CIGARETTES, AND SMOKING TOBACCO. KOEY G. HADJIEFF, Warren, Ohio.
Filed July 5, 1929. Serial No. 286,632. PUBLISHED AUGUST 20, 1929. Class 17.

263,961. WOMEN'S SANITARY BELTS, AND SIMILAR SANITARY ARTICLES. SAUNDER KARGER, Chicago, Ill.
Filed June 27, 1929. Serial No. 286,249. PUBLISHED AUGUST 27, 1929. Class 44.

263,962. CIGARETTES, CIGARS, AND SMOKING TOBACCO. THE F. J. MCCANN PACKING CO. INC., Salinas, Calif.
Filed July 1, 1929. Serial No. 286,448. PUBLISHED AUGUST 20, 1929. Class 17.

263,963. SMOKING PIPES. ANTHONY J. MAURO, doing business as Mauro Pipe Company, New York, N. Y.
Filed June 25, 1929. Serial No. 286,126. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,964. FEVER THERMOMETERS. FAICHNEY INSTRUMENT CORPORATION, Watertown, N. Y.
Filed June 25, 1929. Serial No. 286,107. PUBLISHED SEPTEMBER 3, 1929. Class 44.

263,965. PAINT IN PASTE FORM, MIXED PAINT, AND RUBBER PAINT. W. P. FULLER & CO., San Francisco, Calif.
Filed June 22, 1929. Serial No. 285,969. PUBLISHED SEPTEMBER 3, 1929. Class 16.

263,966. INDUSTRIAL FINISHES—NAMELY, PAINTS, VARNISHES, AND LACQUERS. THE VALLE COMPANY, Cleveland, Ohio.
Filed June 17, 1929. Serial No. 285,699. PUBLISHED AUGUST 27, 1929. Class 16.

263,967. PERIODICAL. THE DANGER TRAIL, INC., New York, N. Y.
Filed November 10, 1928. Serial No. 275,101. PUBLISHED AUGUST 20, 1929. Class 38.

263,968. CHECK-ENDORSING MACHINES. THE ENDORSOGRAPH COMPANY, INC., Philadelphia, Pa.
Filed July 6, 1929. Serial No. 286,086. PUBLISHED SEPTEMBER 3, 1929. Class 23.

263,969. KNIVES, SHEARS, AND BLADES ALL MADE OF BASE METAL FOR CUTTING RUBBER, LEATHER, CLOTH, ETC. HYDE MANUFACTURING COMPANY, Southbridge, Mass.
Filed July 8, 1929. Serial No. 286,777. PUBLISHED SEPTEMBER 3, 1929. Class 23.

263,970. MECHANICAL RAZOR-BLADE SHARPENERS AND STROPPERS. IRA J. SHAPIRO, doing business as Lucky Stroke Razor Blade Company, New York, N. Y.
Filed July 8, 1929. Serial No. 286,799. PUBLISHED SEPTEMBER 3, 1929. Class 23.

263,971. SOFT-DRINK FLAVORS IN CONCENTRATED POWDERED FORM FOR USE IN MAKING SOFT DRINKS AND BEVERAGES—NAMELY, CHERRY, GRAPE, LEMON, ORANGE, RASPBERRY, AND STRAWBERRY. A. E. ZARZOSO, doing business as World Adventurer Products Company, Detroit, Mich.
Filed July 10, 1929. Serial No. 286,912. PUBLISHED SEPTEMBER 3, 1929. Class 45.

263,972. LAWN MOWERS. WORCESTER LAWN MOWER COMPANY, Worcester, Mass.
Filed July 13, 1929. Serial No. 287,101. PUBLISHED SEPTEMBER 3, 1929. Class 23.

263,973. MATTRESSES. ROYAL BEDDING COMPANY, St. Louis, Mo.
Filed July 17, 1929. Serial No. 287,217. PUBLISHED SEPTEMBER 3, 1929. Class 32.

263,974. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1929. Serial No. 287,572. PUBLISHED SEPTEMBER 3, 1929. Class 26.

263,975. CIGARETTE PAPER AND CIGARETTE TUBES. GENERAL-DIREKTION DER ÖSTERR. TABAK-REGIE, Vienna, Austria.
Filed July 17, 1929. Serial No. 287,244. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,976. CIGARETTE PAPER AND CIGARETTE TUBES. GENERAL-DIREKTION DER ÖSTERR. TABAK-REGIE, Vienna, Austria.
Filed July 17, 1929. Serial No. 287,245. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,977. CIGARETTE PAPER AND CIGARETTE TUBES. GENERAL-DIREKTION DER ÖSTERR. TABAK-REGIE, Vienna, Austria.
Filed July 17, 1929. Serial No. 287,246. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,978. CIGARETTE PAPER AND CIGARETTE TUBES. GENERAL-DIREKTION DER ÖSTERR. TABAK-REGIE, Vienna, Austria.
Filed July 17, 1929. Serial No. 287,247. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,979. CIGARETTE PAPER AND CIGARETTE TUBES. GENERAL-DIREKTION DER ÖSTERR. TABAK-REGIE, Vienna, Austria.
Filed July 17, 1929. Serial No. 287,248. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,980. ALLOYS AND METAL AGGREGATE COMPOSITIONS. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa.
Filed July 18, 1929. Serial No. 287,292. PUBLISHED AUGUST 27, 1929. Class 14.

263,981. WATCHCASES. STAR WATCH CASE CO., Ludington, Mich.
Filed July 25, 1929. Serial No. 287,676. PUBLISHED SEPTEMBER 3, 1929. Class 27.

263,982. SAWS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed July 3, 1929. Serial No. 286,600. PUBLISHED SEPTEMBER 3, 1929. Class 23.

263,983. SANDALS AND GARTERS MADE OF RUBBER. MARLEW PRODUCTS CO., INC., New York, N. Y.
Filed April 30, 1929. Serial No. 283,287. PUBLISHED AUGUST 27, 1929. Class 39.

263,984. A CLEANING AND POLISHING LIQUID. LIQUID VENEER CORPORATION, Buffalo, N. Y.
Filed July 8, 1929. Serial No. 286,785. PUBLISHED SEPTEMBER 3, 1929. Class 16.

263,985. INKED RIBBONS AND CARBON PAPER. THE COLUMBIA CARBON COMPANY, Dayton, Ohio.
Filed July 15, 1929. Serial No. 287,117. PUBLISHED SEPTEMBER 3, 1929. Class 11.

263,986. CIGARETTE PAPER AND CIGARETTE TUBES. GENERAL-DIREKTION DER ÖSTERR. TABAK-REGIE, Vienna, Austria.
Filed July 17, 1929. Serial No. 287,243. PUBLISHED SEPTEMBER 3, 1929. Class 8.

263,987. LADIES' AND CHILDREN'S LINGERIE AND UNDERWEAR—NAMELY, NIGHTGOWNS, COSTUME SLIPS, TEDDY CHEMISE, STEPINS, BLOOMERS, PANTIES, BRASSIÈRES, PAJAMAS, AND NEGLIGÈS OF KNITTED AND TEXTILE FABRIC—AND BLOUSES. RICE-KLEIN CO., Los Angeles, Calif.
Filed June 1, 1929. Serial No. 284,917. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,988. LACES AND LINENS STAMPED AND READY FOR EMBROIDERY AND ART WORK, PEARL AND NOVELTY BUCKLES, MOTHER-OF-PEARL SLIDES FOR LADIES' DRESS TRIMMINGS AND BELTS, AND PINS, SAID BUCKLES AND PINS NOT BEING MADE OF PRECIOUS METAL. CALAIS-BARMEN COMPANY, INC., New York, N. Y.
Filed March 26, 1929. Serial No. 281,341. PUBLISHED AUGUST 27, 1929. Class 40.

263,989. CERTAIN NAMED WEARING APPAREL. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed April 1, 1929. Serial No. 281,676. PUBLISHED AUGUST 13, 1929. Class 39.

263,990. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, OR TEXTILE MATERIAL. E. W. DURKEE LAST CO., Lynn, Mass.
Filed April 27, 1929. Serial No. 283,099. PUBLISHED AUGUST 13, 1929. Class 39.

263,991. WOMEN'S AND CHILDREN'S SILK, COTTON, LISLE, ARTIFICIAL SILK AND RAYON HOSIERY. ALBERT J. CLARK, doing business as Clark Dollar Stores, Los Angeles, Calif., and New York, N. Y.
Filed May 15, 1929. Serial No. 284,048. PUBLISHED AUGUST 27, 1929. Class 39.

263,992. SPORTS WEAR OF KNITTED OR WOVEN MATERIALS—NAMELY, MEN'S, WOMEN'S, AND CHILDREN'S KNITTED OR WOVEN SPORT SWEATERS, SPORT DRESSES, SPORT SUITS, AND SPORT COATS. JACOB GUTTMAN & SONS, INC., New York, N. Y.
Filed May 24, 1929. Serial No. 284,573. PUBLISHED AUGUST 27, 1929. Class 39.

263,993. SPORTS WEAR OF KNITTED OR WOVEN MATERIALS—NAMELY, MEN'S, WOMEN'S, AND CHILDREN'S KNITTED OR WOVEN SPORT SWEATERS, SPORT DRESSES, SPORT SUITS, AND SPORT COATS. JACOB GUTTMAN & SONS, INC., New York, N. Y.
Filed May 24, 1929. Serial No. 284,574. PUBLISHED AUGUST 27, 1929. Class 39.

263,994. LADIES', MISSES', AND CHILDREN'S DRESSES AND COATS. JAMES H. DUNHAM & CO., New York, N. Y.
Filed May 25, 1929. Serial No. 284,607. PUBLISHED SEPTEMBER 3, 1929. Class 39.

263,995. SWEATERS AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN. S. AUGSTEIN & CO., New York, N. Y.
Filed May 28, 1929. Serial No. 284,717. PUBLISHED AUGUST 27, 1929. Class 39.

263,996. PUBLICATION IN THE FORM OF A HOUSE ORGAN. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed June 4, 1929. Serial No. 285,023. PUBLISHED AUGUST 20, 1929. Class 38.

263,997. DRESSINGS FOR VEHICLE TOPS AND LEATHER UPHOLSTERY. BECKWITH-CHANDLER COMPANY, Newark, N. J.
Filed July 9, 1929. Serial No. 286,812. PUBLISHED AUGUST 20, 1929. Class 4.

263,998. DRESSINGS FOR VEHICLE TOPS AND LEATHER UPHOLSTERY. BECKWITH-CHANDLER COMPANY, Newark, N. J.
Filed July 9, 1929. Serial No. 286,813. PUBLISHED AUGUST 20, 1929. Class 4.

263,999. SHAVING CREAM. BURMA-VITA COMPANY, Minneapolis, Minn.
Filed July 11, 1929. Serial No. 286,922. PUBLISHED AUGUST 27, 1929. Class 4.

264,000. HAND-WASHING POWDER. J. L. HARRIS, Atlanta, Ga.
Filed July 11, 1929. Serial No. 286,935. PUBLISHED AUGUST 20, 1929. Class 4.

264,001. SHAVING CREAM. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed July 6, 1929. Serial No. 286,699. PUBLISHED AUGUST 20, 1929. Class 4.

264,002. SHAVING CREAM. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed July 6, 1929. Serial No. 286,703. PUBLISHED AUGUST 20, 1929. Class 4.

264,003. DRESSINGS FOR VEHICLE TOPS AND LEATHER UPHOLSTERY. BECKWITH-CHANDLER COMPANY, Newark, N. J.
Filed July 9, 1929. Serial No. 286,811. PUBLISHED AUGUST 20, 1929. Class 4.

264,004. HOSIERY. FRED MENZER, Chicago, Ill.
Filed May 14, 1929. Serial No. 284,007. PUBLISHED AUGUST 27, 1929. Class 39.

264,005. PRINTED PERIODICAL PUBLISHED MONTHLY AND AT OTHER INTERVALS. RAMER REVIEWS, INC., New York, N. Y.
Filed June 19, 1929. Serial No. 285,824. PUBLISHED AUGUST 20, 1929. Class 38.

264,006. BOND PAPER. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed July 15, 1929. Serial No. 287,168. PUBLISHED AUGUST 27, 1929. Class 37.

264,007. OLIVES, CANNED SOUPS, HONEY, CORNSTARCH, SAGO, OLIVE OIL, CANNED SAUER-KRAUT JUICE, TAPIOCA, AND UNPOPPED POP CORN. H. W. BRACY & CO., Herrin, Ill.
Filed October 18, 1928. Serial No. 273,955. PUBLISHED AUGUST 27, 1929. Class 46.

264,008. CANNED VEGETABLES, CANNED SAUER-KRAUT, CANNED PORK AND BEANS, AND CANNED HOMINY. THE SEARS & NICHOLS CORPORATION, Chillicothe, Ohio.
Filed October 2, 1928. Serial No. 273,255. PUBLISHED AUGUST 27, 1929. Class 46.

- 264,009. NUT MEATS BOTH SALTED AND IN THEIR NATURAL STATE, AND CANDY CONTAINING NUT MEATS. CHARLES S. LEIBOWITZ, doing business as London Pecan Company, Hot Springs, Ark. Filed February 21, 1929. Serial No. 279,741. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,010. OVERCOATS FOR MEN AND BOYS. THE STEIN-BLOCH Co., Rochester, N. Y. Filed May 18, 1929. Serial No. 284,279. PUBLISHED AUGUST 20, 1929. Class 39.
- 264,011. DRIED BEEF. HARRY MANASTER & BRO., Chicago, Ill. Filed May 27, 1929. Serial No. 284,686. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,012. CANNED SARDINES. ADOLPH GOLDMARK & SONS CORP., New York, N. Y. Filed May 28, 1929. Serial No. 284,732. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,013. A HARD METAL COMPOSITION, AN ALLOY. LUDLUM STEEL COMPANY, Watervliet, N. Y. Filed March 1, 1929. Serial No. 280,132. PUBLISHED SEPTEMBER 3, 1929. Class 14.
- 264,014. PAINT FOR METALS. CHEMICAL PRODUCTS COMPANY, Wichita, Kans. Filed March 18, 1929. Serial No. 280,892. PUBLISHED SEPTEMBER 3, 1929. Class 16.
- 264,015. CARBONATED, NONALCOHOLIC, NONCE-REAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. RIDGEWOOD FRUIT GROWERS, Winchester, Va. Filed March 28, 1929. Serial No. 281,522. PUBLISHED SEPTEMBER 3, 1929. Class 45.
- 264,016. HAND-OPERATED PORTABLE AND STATIONARY FIRE-EXTINGUISHING APPARATUS AND PARTS THEREOF. AMERICAN-LA FRANCE AND FOAMITE CORPORATION, Elmira and New York, N. Y. Filed April 19, 1929. Serial No. 282,628. PUBLISHED SEPTEMBER 3, 1929. Class 23.
- 264,017. WATER-SOFTENING SYSTEMS AND PARTS THEREOF. ELGIN SOFTENER CORPORATION, Elgin, Ill. Filed April 27, 1929. Serial No. 283,102. PUBLISHED SEPTEMBER 3, 1929. Class 23.
- 264,018. WELL-DRILLING MACHINERY AND TOOLS, STEAM ENGINES, ETC. DOHENY STONE DRILL COMPANY, Los Angeles, Calif. Filed June 3, 1929. Serial No. 284,971. PUBLISHED SEPTEMBER 3, 1929. Class 23.
- 264,019. WELL-DRILLING MACHINERY AND TOOLS, STEAM ENGINES, ETC. DOHENY STONE DRILL COMPANY, Los Angeles, Calif. Filed June 3, 1929. Serial No. 284,972. PUBLISHED SEPTEMBER 3, 1929. Class 23.

- 264,020. WELL-DRILLING MACHINERY AND TOOLS, STEAM ENGINES, ETC. DOHENY STONE DRILL COMPANY, Los Angeles, Calif. Filed June 3, 1929. Serial No. 284,973. PUBLISHED SEPTEMBER 3, 1929. Class 23.
- 264,021. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Iwilei, Territory of Hawaii. Filed January 26, 1929. Serial No. 278,468. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,022. JELLY, CANDIED FRUITS, MARMALADE, FRUIT PRESERVES, AND CANDY. FLORIDA HEALTH RESORT AND RECREATIONAL CENTER FOR WOMEN, INC., Boston, Mass., Maitland, Fla., Pepperell, Mass., and North Conway, N. H. Filed February 8, 1929. Serial No. 279,034. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,023. LEATHER SHOES. JOSEPH M. GENACK, Springfield, Mass. Filed May 11, 1929. Serial No. 283,562. PUBLISHED AUGUST 27, 1929. Class 39.
- 264,024. NONPRECIOUS-METAL SMALL WARES—NAMES, PINS, SAFETY PINS, AND SNAP FASTENERS. W. S. STEFFEN, INC., New York, N. Y. Filed May 14, 1929. Serial No. 284,018. PUBLISHED AUGUST 20, 1929. Class 40.
- 264,025. BRASSIERES, GIRDLES, GARTER BELTS, AND CORSETS. PLATT'S, Chicago, Ill. Filed May 20, 1929. Serial No. 284,312. PUBLISHED AUGUST 27, 1929. Class 39.
- 264,026. MEN'S HEAVY WORK SHOES CONSTRUCTED OF LEATHER AND/OR RUBBER OR ANY COMBINATION THEREOF, HAVING LEATHER SOLES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed May 21, 1929. Serial No. 284,393. PUBLISHED AUGUST 13, 1929. Class 39.
- 264,027. CIGARETTES. EMIL TIMMEL, Morton Grove, Ill. Filed January 17, 1929. Serial No. 278,080. PUBLISHED SEPTEMBER 3, 1929. Class 17.
- 264,028. CEREAL MALT BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PERCENTUM OF ALCOHOL BY VOLUME. INTERNATIONAL PRODUCTS COMPANY, New York, N. Y. Filed March 18, 1929. Serial No. 280,915. PUBLISHED MAY 14, 1929. Class 48.
- 264,029. FARM IMPLEMENTS—NAMES, PLOWS, CULTIVATORS, HARROWS, FARM TRUCKS, AND MANURE SPREADERS. MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill. Filed July 5, 1929. Serial No. 280,648. PUBLISHED SEPTEMBER 3, 1929. Class 23.

TRADE-MARK REGISTRATIONS RENEWED

- 33,093. CERTAIN NAMED TOILET ARTICLES AND PREPARATIONS. Registered June 20, 1899. ROGER & GALLAT. Renewed June 20, 1929, to Parfumerie Roger et Gallet, Societe Anonyme, Paris, France, a Corporation of France, successor.
- 33,651. SUGAR. Registered October 31, 1899. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed October 31, 1929.
- 33,737. COSMETIC COMPOUNDS. Registered November 14, 1899. JOHN A. BROWN. Renewed November 14, 1929, to John A. Brown, Jr., doing business as Brown's Drug Store, Washington, Kans., successor.
- 33,743. CERTAIN NAMED SUGAR. Registered November 14, 1899. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed November 14, 1929.
- 33,744. CERTAIN NAMED SUGAR. Registered November 14, 1899. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed November 14, 1929.
- 33,745. CERTAIN NAMED SUGAR. Registered November 14, 1899. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed November 14, 1929.
- 33,746. CERTAIN NAMED SUGAR. Registered November 14, 1899. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed November 14, 1929.
- 33,985. NURSING NIPPLES. Registered January 2, 1900. MEINKE & CO., New York, N. Y. Renewed January 2, 1930, to Davol Rubber Company, Providence, R. I., a Corporation of Rhode Island, assignee by mesne assignments.
- 34,067. BREAKFAST FOODS. Registered January 23, 1900. CREAM OF WHEAT COMPANY. Renewed January 23, 1930, to The Cream of Wheat Corporation, Minneapolis, Minn., a Corporation of Delaware, assignee.
- 34,114. GRANULATED SUGAR. Registered January 30, 1900. THE FRANKLIN SUGAR REFINING COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 30, 1930.

- 34,115. GRANULATED SUGAR. Registered January 30, 1900. THE FRANKLIN SUGAR REFINING COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 30, 1930.
- 34,386. CERTAIN PACKING-HOUSE PRODUCTS. Registered March 27, 1900. SWIFT AND COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed March 27, 1930.
- 70,628. MOLASSES. Registered September 15, 1908. ORLERICH & LAUX. Renewed September 15, 1928, to Oelerich & Berry Company, Chicago, Ill., a Corporation of Illinois, successor.
- 74,174. FISHING TROILS AND ARTIFICIAL CASTING BAITS. Registered June 22, 1909. HARTUNG BROS. & CO., Jersey City, N. J. Renewed June 22, 1929.
- 74,524. LINEN AND HEMP PIECE GOODS. Registered July 20, 1909. ALEX. MORTON & CO., Darvel, Ayrshire, Scotland. Renewed July 20, 1929, to Morton Sundour Fabrics, Limited, Denton Hill, Carlisle, England, an Organized Company of Great Britain, assignee.
- 74,526. COTTON SHEETINGS, BLEACHED AND BROWN. Registered July 20, 1909. DAN RIVER POWER & MFG. CO. Renewed July 20, 1929, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., a Corporation of Virginia, successor.
- 74,527. COTTON SHEETINGS, BLEACHED AND BROWN. Registered July 20, 1909. DAN RIVER POWER & MFG. CO. Renewed July 20, 1929, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., a Corporation of Virginia, successor.
- 74,528. COTTON SHEETINGS, BLEACHED AND BROWN. Registered July 20, 1909. DAN RIVER POWER & MFG. CO. Renewed July 20, 1929, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., a Corporation of Virginia, successor.
- 74,529. COTTON SHEETINGS, BLEACHED AND BROWN. Registered July 20, 1909. DAN RIVER POWER & MFG. CO. Renewed July 20, 1929, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., a Corporation of Virginia, successor.
- 74,860. LINIMENT. Registered August 17, 1909. J. S. MERRELL DRUG COMPANY, St. Louis, Mo. Renewed August 17, 1929, to Faxon & Gallagher Drug Company, Kansas City, Mo., a Corporation of Missouri, assignee.
- 75,006. WRITING TABLETS. Registered August 24, 1909. MONTAG BROTHERS. Renewed August 24, 1929, to Montag Brothers, Inc., Atlanta, Ga., a Corporation of Georgia, assignee.
- 75,084. ANVILS. Registered August 31, 1909. ILLINOIS IRON & BOLT COMPANY, Carpentersville, Ill., a Corporation of Illinois. Renewed August 31, 1929.
- 75,210. WRITING TABLETS. Registered September 14, 1909. MONTAG BROTHERS. Renewed September 14, 1929, to Montag Brothers, Inc., Atlanta, Ga., a Corporation of Georgia, assignee.
- 75,211. SOFT COAL. Registered September 14, 1909. WARNER G. MORTON. Renewed September 14, 1929, to Warner G. Morton, Albany, N. Y., a Copartnership, successor.
- 75,255. MEDICINES AND TOILET PREPARATIONS. Registered September 14, 1909. MEXICAN AMOLE SOAP CO., Peoria, Ill. Renewed September 14, 1929, to The Amole Soap Company, Tipppecanoe City, Ohio, a Corporation of Ohio, assignee.
- 75,336. SADDLERS' AND HARNESS-MAKERS' HARDWARE. Registered September 21, 1909. NORTH AND JUDD MANUFACTURING COMPANY, New Britain, Conn., a Corporation of Connecticut. Renewed September 21, 1929.
- 75,386. CIGARS. Registered September 28, 1909. HENRY TRAIER & CO. Renewed September 28, 1929, to H. Traier & Company, Incorporated, Boston, Mass., a Corporation of Massachusetts, successor.
- 75,455. POWDER FOR CLEANING BRUSHES. Registered October 5, 1909. S. E. HOWARD'S SON & CO., New York, N. Y., a Corporation of New York. Renewed October 5, 1929.
- 75,484. COTTON PLAIDS AND CHECKS. Registered October 5, 1909. RIVERSIDE COTTON MILLS. Renewed October 5, 1929, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., a Corporation of Virginia, successor.
- 75,550. CLOSET TANKS, CLOSET SEATS, AND SEAT COVERS. Registered October 19, 1909. AMERICAN SANITARY WORKS, New York, N. Y. Renewed October 19, 1929, to B. O. T. Manufacturing Company, Trenton, N. J., a Corporation of Missouri, by merger.
- 75,561. COTTON SHIRTINGS. Registered October 19, 1909. DAN RIVER POWER & MFG. CO. Renewed October 19, 1929, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., a Corporation of Virginia, successor.
- 75,565. NEAT'S-FOOT OIL. Registered October 19, 1909. F. S. WALTON COMPANY, Philadelphia, Pa., a Corporation of New Jersey. Renewed October 19, 1929.
- 75,706. CANDY LOZENGES. Registered November 2, 1909. NEW ENGLAND CONFECTIONERY CO., Portland, Me., and Boston, Mass. Renewed November 2, 1929, to New England Confectionery Company, Cambridge, Mass., a Corporation of Massachusetts, successor.
- 75,721. BOYS' OUTER SUITS. Registered November 9, 1909. JOHN J. CONNELL, Boston, Mass. Renewed November 9, 1929.
- 75,722. BOYS' OUTER SUITS. Registered November 9, 1909. JOHN J. CONNELL, Boston, Mass. Renewed November 9, 1929.
- 75,723. BOYS' OUTER SUITS. Registered November 9, 1909. JOHN J. CONNELL, Boston, Mass. Renewed November 9, 1929.
- 75,725. TOILET BRUSHES. Registered November 9, 1909. HOWARD BRUSH COMPANY, New York, N. Y., a Corporation of New York. Renewed November 9, 1929.
- 75,726. TOILET BRUSHES. Registered November 9, 1909. HOWARD BRUSH COMPANY, New York, N. Y., a Corporation of New York. Renewed November 9, 1929.
- 75,761. SALVE. Registered November 16, 1909. NETTIE CANARY, Chicago, Ill. Renewed November 16, 1929.
- 75,867. WHEAT FLOUR. Registered November 23, 1909. MAUSER MILL COMPANY, Treichlers, Pa., a Corporation of Pennsylvania. Renewed November 23, 1929.
- 75,888. SHOE-LACING HOOKS AND STUDS. Registered November 23, 1909. THE AGATING SHOE-HOOK AND EYELET COMPANY, Newark, N. J., a Corporation of New York. Renewed November 23, 1929.
- 75,890. COTTON SHIRTINGS. Registered November 23, 1909. DAN RIVER POWER & MFG. CO. Renewed November 23, 1929, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., a Corporation of Virginia, successor.
- 75,923. DRESSED POULTRY. Registered November 30, 1909. BEATRICE POULTRY & COLD STORAGE CO., Beatrice, Nebr. Renewed November 30, 1929, to Norfolk Poultry Company, Norfolk, Nebr., a Corporation of Nebraska, assignee.
- 75,933. CERTAIN CLOTHING. Registered November 30, 1909. DALLAT AND WYLL. Renewed November 30, 1929, to Co-Ed Dressmakers, Inc., New York, N. Y., a Corporation of New York, successor.
- 75,984. RUBBER FOOTWEAR. Registered December 7, 1909. APSLEY RUBBER COMPANY. Renewed December 7, 1929, to Firestone Footwear Company, Hudson, Mass., a Corporation of Massachusetts, by change of name.
- 76,046. RUBBER WATER BOTTLES AND SYRINGES. Registered December 7, 1909. THE MECHANICAL RUBBER COMPANY. Renewed December 7, 1929, to United States Rubber Company, New York, N. Y., a Corporation of New Jersey, assignee.
- 76,058. CIGARS. Registered December 7, 1909. HENRY TRAIER & CO. Renewed December 7, 1929, to H. Traier & Company, Incorporated, Boston, Mass., a Corporation of Massachusetts, successor.
- 76,082. CANNED VEGETABLES. Registered December 14, 1909. THE SPRING VALLEY CANNING COMPANY, Spring Valley and Lebanon, Ohio. Renewed December 14, 1929, to Johnson-Appleby Company, Cambridge, Mass., a Corporation of Massachusetts, assignee by mesne assignments.

- 76,100. CITRUS FRUITS. Registered December 14, 1909. AZUSA-COVINA-GLENDORA FRUIT EXCHANGE. Renewed December 14, 1929, to Azusa Orange Company, Azusa, Calif., a Corporation of California, assignee.
- 76,101. CITRUS FRUITS. Registered December 14, 1909. AZUSA-COVINA-GLENDORA FRUIT EXCHANGE. Renewed December 14, 1929, to Azusa Orange Company, Azusa, Calif., a Corporation of California, assignee.
- 76,150. WHEAT FLOUR. Registered December 21, 1909. THE ISAAC HARTER MILLING COMPANY, Toledo and Fostoria, Ohio. Renewed December 21, 1929, to The Mennell Milling Company, Toledo, Ohio, a Corporation of Ohio, by change of name.
- 76,156. SASH CORD. TWINE. ROPE. BELL ROPES. AND CLOTHESLINE. Registered December 21, 1909. PURITAN CORDAGE MILLS, Louisville, Ky., a Corporation of Kentucky. Renewed December 21, 1929.
- 76,228. OVERALLS. Registered December 28, 1909. ELT & WALKER DRY GOODS COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 28, 1929.
- 76,232. CERTAIN PIECE GOODS. Registered December 28, 1909. ROGERS & THOMPSON, West New York, N. J., and New York, N. Y. Renewed December 28, 1929, to Loren O. Thompson, doing business as L. O. Thompson Co., New York, N. Y., successor.
- 76,319. A MONTHLY PERIODICAL. Registered January 4, 1910. THE VICKERY & HILL PUBLISHING CO. Renewed January 4, 1930, to Needlecraft Publishing Company, Augusta, Me., a Corporation of Maine, assignee.
- 76,336. CERTAIN SPORTING GOODS. Registered January 4, 1910. WRIGHT & DITSON, Jersey City, N. J., and Boston, Mass., a Corporation of New Jersey. Renewed January 4, 1930.
- 76,364. WHEAT FLOUR. Registered January 11, 1910. THOMAS C. JENKINS. Renewed January 11, 1930, to Jesse C. Stewart Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.
- 76,365. WHEAT FLOUR. Registered January 11, 1910. THOMAS C. JENKINS. Renewed January 11, 1930, to Jesse C. Stewart Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.
- 76,401. DRY MORTAR COLORS. Registered January 11, 1910. GEO. S. MEPHAM & CO. Renewed January 11, 1930, to Geo. S. Mephram & Co., East St. Louis, Ill., a Corporation of Illinois, successor.
- 76,414. LAMINATED STEEL PLATES, BARS, AND SHAPES. Registered January 11, 1910. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed January 11, 1930, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.
- 76,433. METAL CANS. Registered January 18, 1910. CONTINENTAL CAN CO., Syracuse, N. Y. Renewed January 18, 1930, to Continental Can Company, Inc., New York, N. Y., a Corporation of New York, assignee.
- 76,449. LAUNDRY, TOILET, AND SCOURING SOAP. Registered January 18, 1910. JAMES S. KIRK & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 18, 1930.
- 76,455. FISHING TACKLE. Registered January 18, 1910. NORVELL-SHAIPLEIGH HARDWARE COMPANY. Renewed January 18, 1930, to Shapleigh Hardware Company, St. Louis, Mo., a Corporation of Missouri, by change of name.
- 76,494. MATTRESSES, PILLOWS, AND CUSHIONS. Registered January 18, 1910. PENFIELD MANUFACTURING COMPANY, Syracuse, N. Y., a Corporation of New York. Renewed January 18, 1930.
- 76,517. CANNED FISH. Registered January 25, 1910. MONTEREY PACKING COMPANY, San Francisco and Monterey, Calif. Renewed January 25, 1930, to F. E. Booth Company, Inc., San Francisco, Calif., a Corporation of California, successor.
- 76,536. HAIR NETS. Registered January 25, 1910. THEO. H. GARY CO. Renewed January 25, 1930, to National Gary Corporation, New York, N. Y., a Corporation of New York, assignee.
- 76,680. CANNED SALMON. Registered February 8, 1910. COLUMBIA RIVER PACKERS ASSOCIATION, Astoria, Ore. Renewed February 8, 1930, to Equitable Trust Company, Portland, Ore., a Corporation of Oregon, assignee, by mesne assignments.
- 76,711. BAKING SODA, SALERATUS, AND BAKING POWDER. Registered February 8, 1910. CHURCH & DWIGHT COMPANY. Renewed February 8, 1930, to Church & Dwight Co., Inc., New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 76,718. ENAMELS AND VARNISHES. Registered February 8, 1910. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a Corporation of New York. Renewed February 8, 1930.
- 76,719. COOKING, HEATING, AND GAS STOVES. Registered February 8, 1910. FRANK A. KLAINE. Renewed February 8, 1930, to The F. A. Klaine Co., Cincinnati, Ohio, a Corporation of Ohio, successor.
- 76,738. CORSETS. Registered February 15, 1910. CHAS. A. STEVENS & BROS., Chicago, Ill., a Corporation of Illinois. Renewed February 15, 1930.
- 76,783. CANNED SALMON. Registered February 15, 1910. COLUMBIA RIVER PACKERS ASSOCIATION, Astoria, Ore. Renewed February 15, 1930, to Equitable Trust Company, Portland, Ore., a Corporation of Oregon, assignee by mesne assignments.
- 76,791. WIRE FENCE AND BARBED WIRE. Registered February 15, 1910. KEYSTONE STEEL & WIRE COMPANY, South Bartonville, Peoria, Ill., a Corporation of Illinois. Renewed February 15, 1930.
- 76,889. CERTAIN TEXTILES. Registered February 22, 1910. MERRIMACK MANUFACTURING COMPANY, Lowell, Mass., a Corporation of Massachusetts. Renewed February 22, 1930.
- 76,897. DRESSED POULTRY. Registered February 22, 1910. BEATRICE POULTRY & COLD STORAGE CO., Beatrice, Nebr. Renewed February 22, 1930, to Norfolk Poultry Company, Norfolk, Nebr., a Corporation of Nebraska, assignee.
- 76,965. DENTAL CREAMS. Registered March 1, 1910. EDWIN CUDLIFF. Renewed March 1, 1930, to the Purdue Frederick Company, New York, N. Y., a Corporation of New York, assignee.
- 76,982. RUBBER COMBS. Registered March 1, 1910. THE VULCANIZED RUBBER CO. Renewed March 1, 1930, to The Vulcanized Rubber Company, Inc., New York, N. Y., a Corporation of Maine, successor.
- 76,983. A REMEDY FOR COLDS AND GRIPPE. Registered March 1, 1910. THE ZYMOLE COMPANY, New York, N. Y. Renewed March 1, 1930, to Frederick Stearns & Co., Detroit, Mich., a Corporation of Michigan, assignee.
- 77,018. GOLF BALLS. Registered March 1, 1910. A. G. SPALDING & BROS., Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed March 1, 1930.
- 77,049. UNINSULATED METALLIC WIRE AND METALLIC RIBBONS. Registered March 8, 1910. DRIVER-HARRIS WIRE CO. Renewed March 8, 1930, to Driver-Harris Company, Harrison, N. J., a Corporation of New Jersey, by change of name.
- 77,050. UNINSULATED METALLIC WIRE. Registered March 8, 1910. DRIVER-HARRIS WIRE CO. Renewed March 8, 1930, to Driver-Harris Company, Harrison, N. J., a Corporation of New Jersey, by change of name.
- 77,115. BLOTTING PAPER. Registered March 8, 1910. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a Corporation of Virginia. Renewed March 8, 1930.
- 77,135. A COMPOUND OF COFFEE AND CHICORY. Registered March 15, 1910. OLIVER-FINNIE CO., Memphis, Tenn., a Corporation of Tennessee. Renewed March 15, 1930.
- 77,158. ENAMEL IN THE NATURE OF PAINT. Registered March 15, 1910. HOLLAPPELS LIMITED, Newcastle-on-Tyne, England. Renewed March 15, 1930, to United States Gutta Percha Paint Company, Providence, R. I., a Corporation of Rhode Island, assignee by mesne assignments.

- 77,168. CALCIUM-CARBIDE BLOCKS OR CAKES. Registered March 15, 1910. C. C. WAKEFIELD & COMPANY, London, England. Renewed March 15, 1930, to American Carbollite Company, Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.
- 77,181. VARNISHES. Registered March 15, 1910. WADSWORTH, HOWLAND & CO., INCORPORATED, Boston, Mass., a Corporation of Massachusetts. Renewed March 15, 1930.
- 77,182. VARNISHES. Registered March 15, 1910. WADSWORTH, HOWLAND & CO., INCORPORATED, Boston, Mass., a Corporation of Massachusetts. Renewed March 15, 1930.
- 77,205. CERTAIN HARNESS HARDWARE. Registered March 22, 1910. THE EBERHARD MANUFACTURING COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed March 22, 1930.
- 77,206. CERTAIN HARNESS HARDWARE. Registered March 22, 1910. THE EBERHARD MANUFACTURING COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed March 22, 1930.
- 77,207. CERTAIN HARNESS HARDWARE. Registered March 22, 1910. THE EBERHARD MANUFACTURING COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed March 22, 1930.
- 77,208. CERTAIN HARNESS HARDWARE. Registered March 22, 1910. THE EBERHARD MANUFACTURING COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed March 22, 1930.
- 77,209. CERTAIN HARNESS HARDWARE. Registered March 22, 1910. THE EBERHARD MANUFACTURING COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed March 22, 1930.
- 77,246. OLEOMARGARIN. Registered March 22, 1910. JOHN F. JELKE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed March 22, 1930.
- 77,261. CURRYCOMBS, BUGGY WHIPS, AND HORSE COLLARS. Registered March 22, 1910. NORVELL-SHAIPLEIGH HARDWARE COMPANY. Renewed March 22, 1930, to Shapleigh Hardware Company, St. Louis, Mo., a Corporation of Missouri, by change of name.
- 77,284. WRENCHES. Registered March 29, 1910. LOUIS V. ARONSON. Renewed March 29, 1930, to Art Metal Works, Inc., Newark, N. J., a Corporation of New Jersey, assignee.
- 77,292. WHEAT FLOUR. Registered March 29, 1910. THE ALLEN & WHEELER CO., Troy, Ohio, a Corporation of Ohio. Renewed March 29, 1930.
- 77,335. CERTAIN HAIR GOODS. Registered March 29, 1910. HENRY SALOMONS. Renewed March 29, 1930, to American Yvette Company, Inc., New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 77,350. CERTAIN MILK RECEPTACLES. Registered March 29, 1910. PERCY R. ZIEGLER, West Newton, Mass. Renewed March 29, 1930.

LABELS

REGISTERED NOVEMBER 12, 1929

- 36,596.—Title: BABY'S PAL. For a Bottle Holder. PAUL E. ALLEN, Chicago, Ill. Published September 6, 1929.
- 36,597.—Title: OLD MILL. For Malt Extract. THE AMERICAN PAPER & WOODEN WARE CO., Cincinnati, Ohio. Published December 8, 1928.
- 36,598.—Title: BEVERLY FARM. For Pork Sausage. ASSOCIATED MEAT COMPANY OF CALIFORNIA, Los Angeles, Calif. Published July 15, 1928.
- 36,599.—Title: LITTLE WAIF WAFERS. For Wafers. PETER BIAS, San Francisco, Calif. Published August 7, 1929.
- 36,600.—Title: COLD PACKED FRUITS. For Cold Pack Berries. R. D. BOBLE COMPANY, Seattle, Wash. Published July 5, 1929.
- 36,601.—Title: FISHER BOY BRAND FRESH HADDOCK FILLETS. For Fresh Haddock Fillets. BOOTH FISHERIES COMPANY, Chicago, Ill. Published October 1, 1929.
- 36,602.—Title: CALIFORNIA FRESH GRAPES TIPO ITALIA. For Fresh Grapes. CALIFORNIA GRAPE PRODUCTS COMPANY, Ukiah and Delano, Calif., and New York, N. Y. Published September 1, 1929.
- 36,603.—Title: ANIMAL POPPS. For Candy. DAIRY MAID PRODUCTS CO., Philadelphia, Pa. Published September 6, 1929.
- 36,604.—Title: BABY NOTES—AT HOME RAINY AFTERNOONS. For Stationery. ERWIN COMPANY, Kansas City, Mo. Published September 19, 1929.
- 36,605.—Title: LETTER GO. For Lettuce. S. J. GALLAGHER, INC., Los Angeles and Brawley, Calif., and Salt Lake City, Utah. Published September 15, 1929.
- 36,606.—Title: GASE'S. For Cakes. GASE BAKING COMPANY, Saginaw, Mich. Published December 15, 1928.
- 36,607.—Title: BONNIE BRAE. For Strawberry Jam. GOLDEN WEST PRODUCTS CO., Los Angeles, Calif. Published May 31, 1929.
- 36,608.—Title: ICYRAY PANREADY FISH. For Fresh and Frozen Fish. THOMAS S. GORTON, Jr., doing business as Slade Gorton Co., Chicago, Ill. Published August 30, 1929.
- 36,609.—Title: SHOW DOWN. For Canned Salmon. G. P. HALPERTY & COMPANY, Seattle, Wash. Published September 6, 1929.
- 36,610.—Title: MORNING STAR. For Canned Salmon. G. P. HALPERTY & COMPANY, Seattle, Wash. Published September 6, 1929.
- 36,611.—Title: OFF COFF. For Mouth Wash Preparation for Helping to Overcome the Snuff, Tobacco Chewing and Tobacco Smoking Habit. JAMES HENRY HAMILTON, Los Angeles, Calif. Published October 11, 1929.
- 36,612.—Title: ODEROFF. For Toilet Preparation for Preventing Excessive Perspiration Under the Arms or the Feet. JAMES HENRY HAMILTON, Los Angeles, Calif. Published October 11, 1929.
- 36,613.—Title: HILL-RE' BRAND. For Powdered Henna Preparation. R. HILLER'S SON COMPANY, INC., Jersey City, N. J. Published July 1, 1929.
- 36,614.—Title: PANSON'S INCORPORATED. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 14, 1929.
- 36,615.—Title: RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Ritz Perfume Company and Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,616.—Title: RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,617.—Title: RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.

- 36,618.—*Title:* RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,619.—*Title:* RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,620.—*Title:* RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,621.—*Title:* RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Russian Import Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,622.—*Title:* COD LIVER OIL PURE NORWEGIAN. For Cod Liver Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,623.—*Title:* RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUEBSCHMAN, doing business as Harrow Import Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,624.—*Title:* RUSSIAN MINERAL OIL. For Russian Mineral Oil. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,625.—*Title:* DR. HYDE'S CAMPHORATED SULPHUR OIL. For Camphorated Sulphur Oil. W. HYDE, Dallas, Tex. Published September 7, 1929.
- 36,626.—*Title:* BLOOD-PEP. For a Tonic Purgative. W. HYDE, Dallas, Tex. Published September 7, 1929.
- 36,627.—*Title:* W. HYDE'S OZO-OX. For Anti-Fermentative. W. HYDE, Dallas, Tex. Published September 7, 1929.
- 36,628.—*Title:* SKWIRL FUDE. For Salted Nuts. MACFARLANE NUT CO., Oakland, Calif. Published August 1, 1929.

- 36,629.—*Title:* OKA TYPE CLEANER AND PLATEN RENEWER. For Type Cleaner and Platen Renewer. ENRIQUE J. MALARIN, San Francisco, Calif. Published September 5, 1929.
- 36,630.—*Title:* JAEGER'S BUTTER-NUT BREAD SLICED. For Bread. THE MENASHA PRODUCTS CO., Chicago, Ill., assignor to Oswald Jaeger Baking Company, Milwaukee, Wis. Published August 1, 1929.
- 36,631.—*Title:* LUCKY-NUT. For Oleomargarine. THE MENASHA PRODUCTS COMPANY, Chicago, Ill., assignor to Ideal Food Products Company, Peoria, Ill. Published September 17, 1929.
- 36,632.—*Title:* JEL SERT. For Jelly Powder. THE MENASHA PRODUCTS COMPANY, Chicago, Ill., assignor to The Jel Sert Company, Chicago, Ill. Published July 11, 1929.
- 36,633.—*Title:* ASAHI CANVAS SHOES. For Canvas Shoes. MUTUAL SUPPLY COMPANY, San Francisco, Calif. Published August 20, 1929.
- 36,634.—*Title:* NAFAL TESTED FAST COLORS. For Textile Fabrics Which Have Been Tested in the Manner Provided by Said Label. NATIONAL ASSOCIATION OF FINISHERS OF COTTON FABRICS, New York, N. Y. Published July 17, 1929.
- 36,635.—*Title:* CROSS COUNTRY. For Wheat Flour. THE PAGE MILLING COMPANY, Luray, Va. Published September 21, 1929.
- 36,636.—*Title:* T. M. REID TENERIFFE ONION SEED. For Onion Seed. T. M. REID TENERIFFE ONION SEED COMPANY, Laredo, Tex. Published June 4, 1929.
- 36,637.—*Title:* INFANTS DRESSES. For Infants' Dresses. SACKS-SONS CARTON CO., Brooklyn, N. Y. Published August 1, 1929.
- 36,638.—*Title:* SEE THE POINT. For Fountain Pens. SALZ BROTHERS, INC., New York, N. Y. Published June 1, 1929.
- 36,639.—*Title:* J. SCHINKS, ORIGINAL MALTED MILK BUTTER BISCUITS. For Biscuits. J. SCHINKS, El Dorado, Ark. Published March 1, 1929.
- 36,640.—*Title:* RINGS STYLED BY TRAUB. For Rings. TRAUB MANUFACTURING COMPANY, doing business as Traub, Detroit, Mich. Published April 13, 1929.

PRINTS

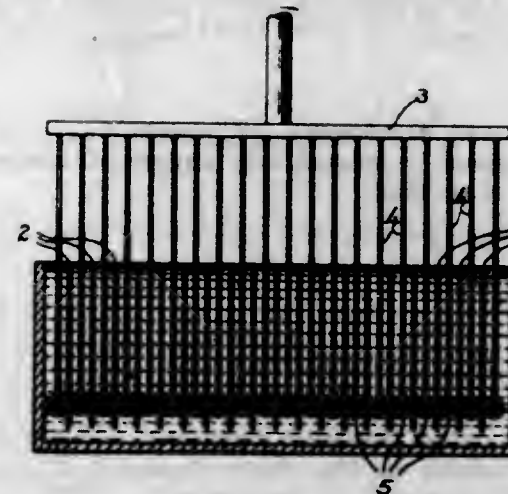
REGISTERED NOVEMBER 12, 1929

- 12,176.—*Title:* MERCHANDISING EXTENSION SERVICE. For Footwear. GOLD LEAF SHOES, INC., Columbus, Ohio. Published August 28, 1929.
- 12,177.—*Title:* GAS NEVER FAILS. For Gas. HERRERT CHARLES HOLDER, Council Bluffs, Iowa. Published April 6, 1929.
- 12,178.—*Title:* HOWEL'S ROOT-BEER—WITH THAT GOOD OLD FASHIONED FLAVOR. For Root Beer. THE JULEP COMPANY, Fort Worth, Tex. Published September 7, 1929.
- 12,179.—*Title:* GRAYSLAKE GELATIN. For Gelatin. THE MENASHA PRODUCTS COMPANY, Chicago, Ill., assignor to Grayslake Gelatin Co., Grayslake, Ill. Published July 30, 1929.
- 12,180.—*Title:* THE BREW THAT BRINGS BACK MEMORIES (LARGE DISPLAY). For Nearbeer. PARST CORPORATION, Milwaukee, Wis. Published July 1, 1929.
- 12,181.—*Title:* RED DOT. For Key Cases. RED DOT KEY CASE CO., Washington, D. C. Published August 12, 1929.
- 12,182.—*Title:* THE TIME TO START TO PASS A CAR IS WHEN YOU FILL YOUR TANK. For Shell Gasoline. SHELL EASTERN PETROLEUM PRODUCTS, INC., Boston, Mass. Published September 11, 1929.
- 12,183.—*Title:* WHY WASTE TIME SHIFTING GEARS? For Shell Gasoline. SHELL EASTERN PETROLEUM PRODUCTS, INC., Boston, Mass. Published September 3, 1929.
- 12,184.—*Title:* TIP-TOP. For Bread. WARD BAKING COMPANY, New York, N. Y. Published September 20, 1929.

REISSUES

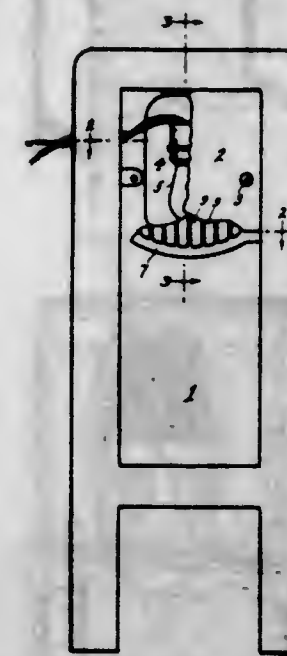
NOVEMBER 12, 1929

- 17,484. RUSTPROOFING PROCESS. WILLIAM H. ALLEN, Detroit, Mich., assignor, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 9, 1928. Serial No. 318,289. Original No. 1,654,716, dated Jan. 3, 1928. Serial No. 107,384, filed May 7, 1926. 5 Claims. (Cl. 148—6.5.)



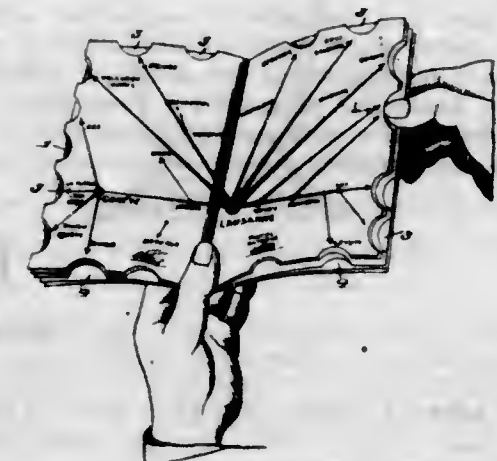
1. The process which consists in treating iron or steel articles with a rust proofing solution adapted to form an iron compound upon the surface of said articles and at the same time subjecting said articles to a treatment to prevent crystal growth upon the said surfaces.

- 17,485. LIGHTING MEANS. GEORGE H. HAMILTON, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a Corporation of New Jersey. Filed Dec. 31, 1928. Serial No. 329,571. Original No. 1,613,793, dated Jan. 11, 1927. Serial No. 51,593, filed Aug. 21, 1925. 5 Claims. (Cl. 240—4.)



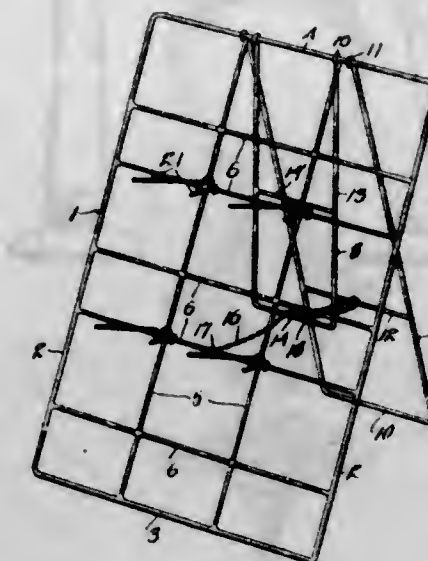
1. In a device of the character described: a supporting member having a chamber and a cover member therefor; a lamp in the chamber; said cover member having a plurality of vertically parallel vanes spaced to provide openings therebetween extending from the chamber through the cover member's lower side, the upper ends of the vanes being disposed circularly about the lamp.

- 17,486. RAILWAY GUIDE. GODEFROY RODOLPHE LUGENBUHL, Lausanne, Switzerland. Filed Sept. 6, 1929. Serial No. 390,798. Original No. 1,642,616, dated Sept. 13, 1927. Serial No. 32,135, filed May 22, 1925, and in Switzerland May 26, 1924. 5 Claims. (Cl. 283—42.)



5. A guide comprising a book having a plurality of pages including a central double index page, the latter having a series of notches around all four sides, enclosing an orienting area on said double page, in which area is placed informative index matter identified with the several notches, said guide including sections of pages on which is informative data related to the respective subjects of said informative index matter, said notches extending to the depths of said respective sections.

- 17,487. FLORAL RACK. JULIUS A. HEINZ, deceased, Pesotum, Ill., by Kathryn Kerwin Heinz, Pesotum, Ill., and Fred B. Hamill, Champaign, Ill., executors, assignors, by mesne assignments, to Heinz Floral Rack Co., Chicago, Ill., a Corporation. Filed May 18, 1929. Serial No. 364,258. Original No. 1,652,936, dated Dec. 13, 1927. Serial No. 21,023, filed Apr. 6, 1925. Renewed Nov. 15, 1926. 21 Claims. (Cl. 211—161.)



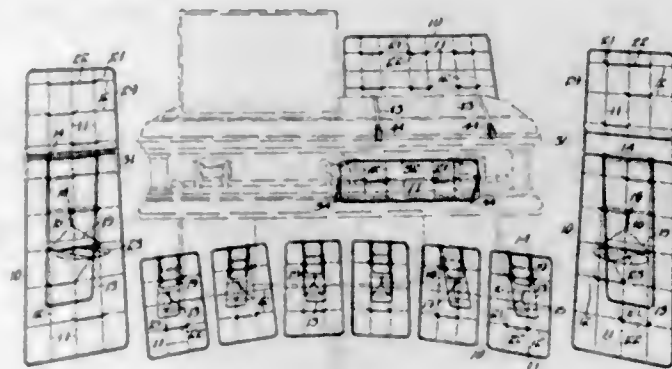
1. The combination with vertical and horizontal members, of a foldable support, comprising pintle eyes on the

horizontal member, with the vertical member therebetween, a bight spanning the vertical member and connecting the pintle eyes, and an article engaging element projecting from the said pintle eyes and held in operative position by said bight portion engaging the vertical member.

17,488. FLORAL RACK. JULIUS A. HEINZ, deceased, Pesotum, Ill., by Kathryn Kerwin Heinz, Pesotum, Ill., and Fred B. Hamill, Champaign, Ill., executors, assignors, by mesne assignments, to Heinz Floral Rack Co., Chicago, Ill., a Corporation. Filed May 18, 1929. Serial No. 364,259. Original No. 1,052,937, dated Dec. 13, 1927. Serial No. 145,060, filed Oct. 29, 1926. 15 Claims. (Cl. 211—161.)

1. A floral rack comprising a supporting frame having spaced transverse and longitudinally disposed cross members, means for supporting said frame in various angular positions, means for supporting a floral piece upon said frame comprising a body extending over one of said cross members and extending around another cross member and

projecting outwardly to form prongs, an element pivotally connected to said frame for holding an object to be

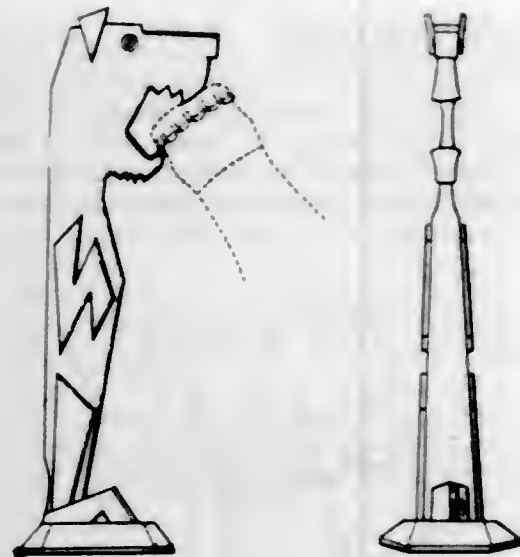


displayed, and an element for maintaining said object holding element in substantially horizontal position, substantially as set forth.

DESIGNS

NOVEMBER 12, 1929

79,877. BOTTLE-SEAL OPENER. MANUEL D. AVILLAR, New York, N. Y. Filed May 25, 1929. Serial No. 31,402. Term of patent 7 years.



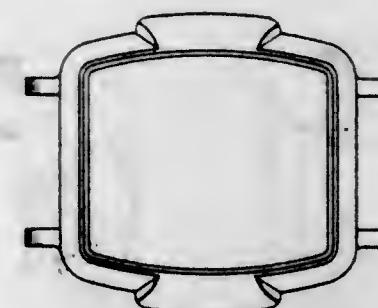
The ornamental design for a bottle seal opener as shown.

79,878. RADIOCABINET. EDWARD L. COMBS, Camden, N. J., assignor to The Pooley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1929. Serial No. 29,569. Term of patent 3 1/2 years.



The ornamental design for a radiocabinet, as shown.

79,879. WATCHCASE. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Feb. 14, 1929. Serial No. 30,047. Term of patent 14 years.



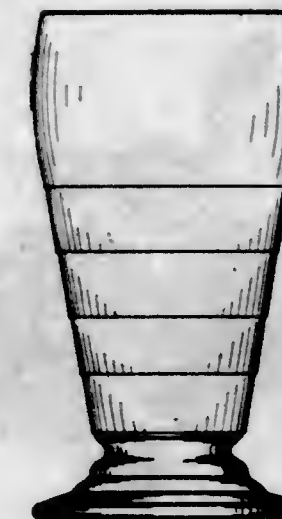
The ornamental design for a watchcase, substantially as shown.

79,880. SMOKER'S STAND. JOHN COOK, Muncie, Ind. Filed Aug. 22, 1929. Serial No. 32,511. Term of patent 7 years.



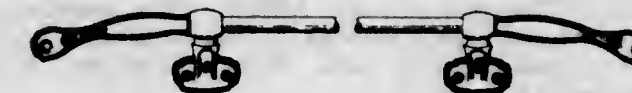
The ornamental design for a smoker's stand as shown.

79,881. GLASS TUMBLER. DAVID FISHER, Paden City, W. Va., assignor to Paden City Glass Manufacturing Company, Paden City, W. Va., a Corporation of West Virginia. Filed July 23, 1929. Serial No. 32,170. Term of patent 3 1/2 years.



The ornamental design for a glass tumbler, as shown.

79,882. MOTOR VEHICLE ROBE-RAIL FIXTURE. GEORGE GRAFF, Toledo, Ohio, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 16, 1928. Serial No. 24,892. Term of patent 14 years.



The ornamental design for a motor vehicle robe rail fixture, substantially as shown.

79,883. FINGER RING. SAMUEL GROSSEMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners, doing business as Klebanoff and Grossman, New York, N. Y. Filed Feb. 21, 1929. Serial No. 30,168. Term of patent 3 1/2 years.



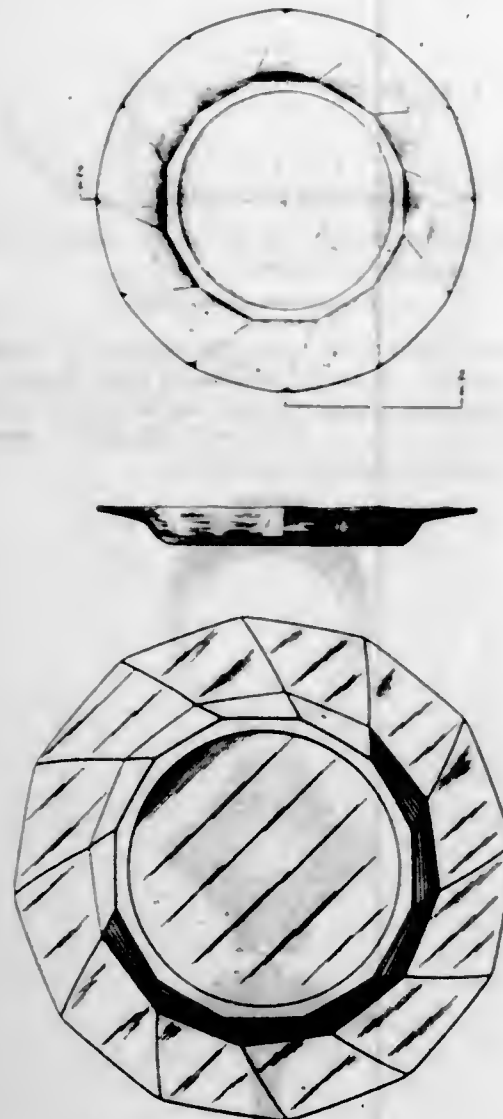
The ornamental design for a finger ring as shown.

79,884. ARTIFICIAL-FLOWER CLOTHES ORNAMENT. LOIS HIDE HASHIMOTO, Salt Lake City, Utah. Filed Feb. 18, 1929. Serial No. 30,122. Term of patent 7 years.



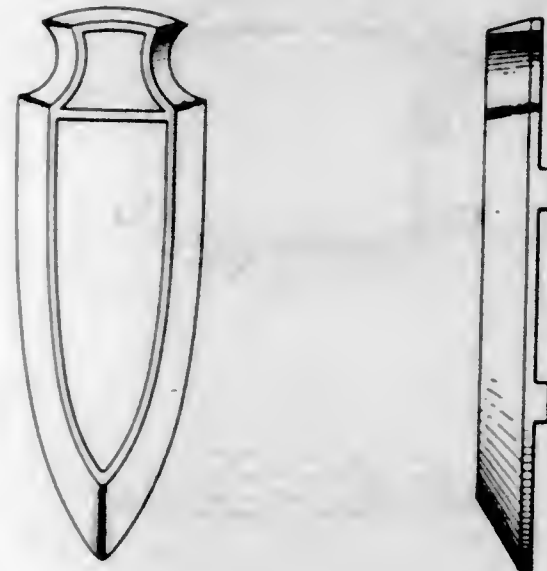
The ornamental design for an artificial flower clothes ornament, as shown.

79,885. PLATE OR ARTICLE OF SIMILAR NATURE. THOMAS CLARENCE HESEY, Newark, Ohio, assignor to A. H. Helsey and Company, a Partnership, Newark, Ohio. Filed Sept. 10, 1928. Serial No. 28,106. Term of patent 14 years.



The ornamental design for a plate or article of similar nature, as shown.

79,886. CLAMP PLATE FOR VEHICLE BUMPER. HERBERT S. JANDUS and EVERETT R. KEELOR, Detroit, Mich., assignors to General Spring Bumper Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 10, 1929. Serial No. 31,628. Term of patent 14 years.



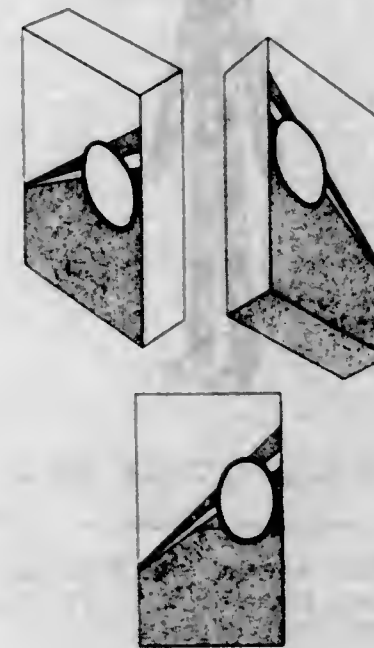
The ornamental design for a clamp plate for vehicle bumper, substantially as shown.

79,887. DRESS. DOROTHY LONG, New York, N. Y., assignor to Franklin Simon & Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 20, 1929. Serial No. 30,960. Term of patent 3½ years.



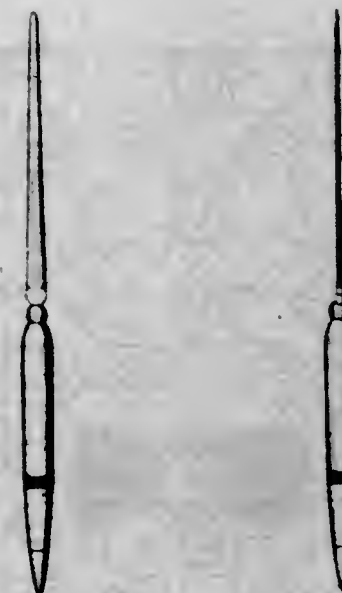
The ornamental design for a dress substantially as shown and described.

79,888. CARTON. WILLIAM B. MACMILLAN, Abbeville, La., assignor to Louisiana State Rice Milling Company, Inc., Abbeville, La., a Corporation of Louisiana. Filed Sept. 7, 1929. Serial No. 32,686. Term of patent 14 years.



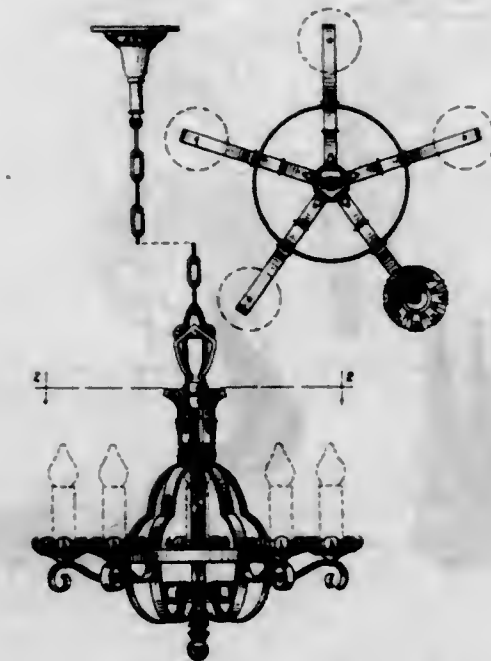
The ornamental design for a carton substantially as shown.

79,889. COMBINATION PENCIL AND LETTER OPENER. EDWARD K. MADAN, Maplewood, N. J. Filed Aug. 28, 1929. Serial No. 32,576. Term of patent 7 years.



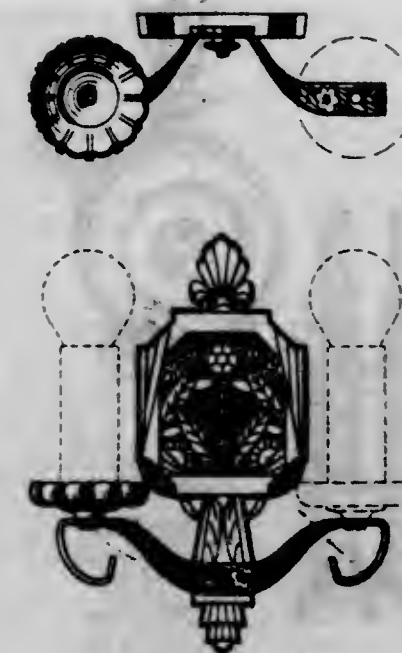
The ornamental design for a combination pencil and letter opener, as shown.

79,890. CHANDELIER OR ANALOGOUS LIGHTING FIXTURE. GLENN E. MCFADDEN, Detroit, Mich., assignor to Lincoln Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 5, 1929. Serial No. 32,669. Term of patent 7 years.



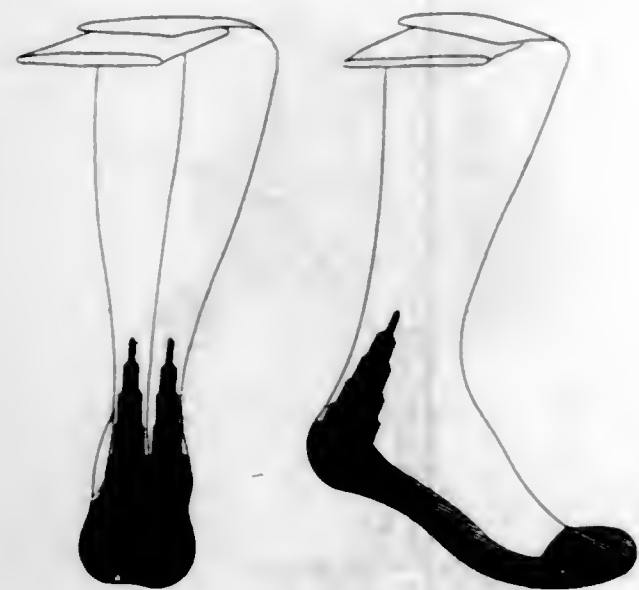
The ornamental design for a chandelier or analogous lighting fixture, as shown and described.

79,891. LIGHTING-FIXTURE WALL BRACKET OR THE LIKE. GLENN E. MCFADDEN, Detroit, Mich., assignor to Lincoln Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 5, 1929. Serial No. 32,670. Term of patent 7 years.



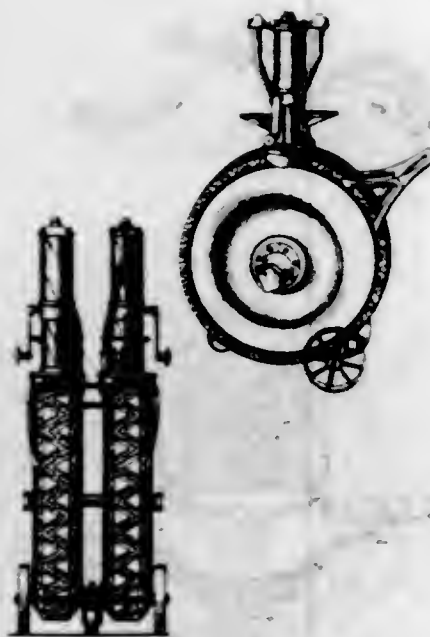
The ornamental design for a lighting fixture wall bracket or the like, as shown and described.

79,892. STOCKING. LOUIS H. MENDELSON, Paterson, N. J. Filed Apr. 12, 1928. Serial No. 26,295. Term of patent 14 years.



The ornamental design for a stocking, as shown.

79,893. CASING FOR A LUBRICANT DISPENSER. CLARENCE W. MESSING, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a Corporation of Indiana. Filed July 24, 1929. Serial No. 32,191. Term of patent 14 years.



The ornamental design for a casing for a lubricant dispenser, as shown.

79,894. CANDY DOLL. HILDER S. MOORE, St. Paul, Minn. Filed Sept. 19, 1928. Serial No. 28,198. Term of patent 3½ years.



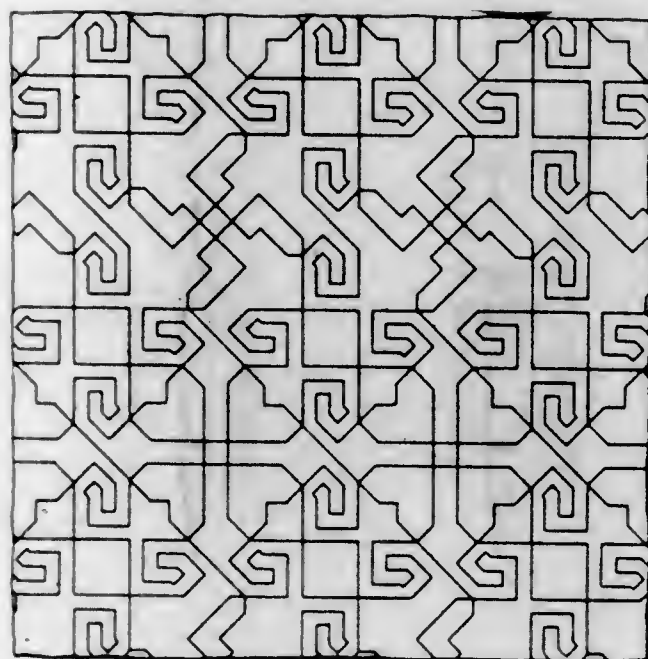
The ornamental design for a candy doll, as shown.

79,895. EMBLEM, BADGE, OR SIMILAR ARTICLE. HARVEY F. MORRIS, Rochester, N. Y. Filed Dec. 22, 1928. Serial No. 29,386. Term of patent 14 years.



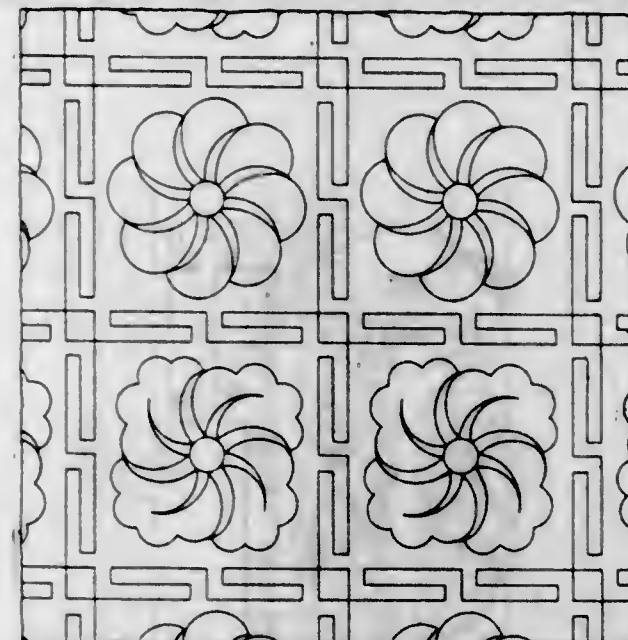
The ornamental design for an emblem badge or similar article, as shown.

79,896. TEXTILE FABRIC OR SIMILAR ARTICLE. CHRISTIAN MUENTENER, Bogota, N. J. Filed July 26, 1929. Serial No. 32,208. Term of patent 3½ years.



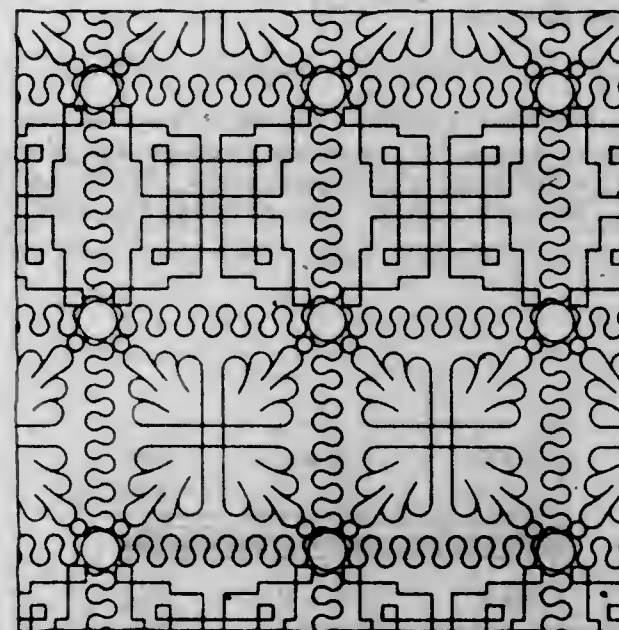
The ornamental design for textile fabric or similar article, as shown.

79,897. TEXTILE FABRIC OR SIMILAR ARTICLE. CHRISTIAN MUENTENER, Bogota, N. J. Filed July 26, 1929. Serial No. 32,209. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article, as shown.

79,898. TEXTILE FABRIC OR SIMILAR ARTICLE. CHRISTIAN MUENTENER, Bogota, N. J. Filed July 26, 1929. Serial No. 32,210. Term of patent 3½ years.



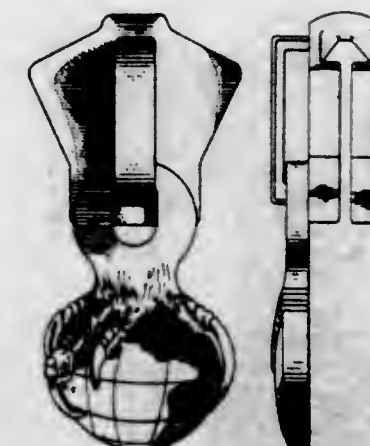
The ornamental design for a textile fabric or similar article, as shown.

79,899. BUCKLE. WILLIAM L. MYERS, Newark, N. J., assignor to L. A. Myers, Jr., Inc., Newark, N. J., a Corporation of New Jersey. Filed Aug. 2, 1929. Serial No. 32,275. Term of patent 7 years.



The ornamental design for a buckle, as shown.

79,900. PULL FOR A SLIDE FASTENER. ROBERT H. NICHOLSON, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1929. Serial No. 29,746. Term of patent 14 years.



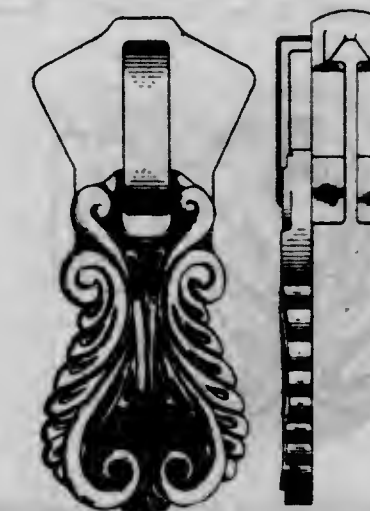
The ornamental design for a pull for a slide fastener substantially as shown.

79,901. PULL FOR A SLIDE FASTENER. ROBERT H. NICHOLSON, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1929. Serial No. 29,747. Term of patent 14 years.



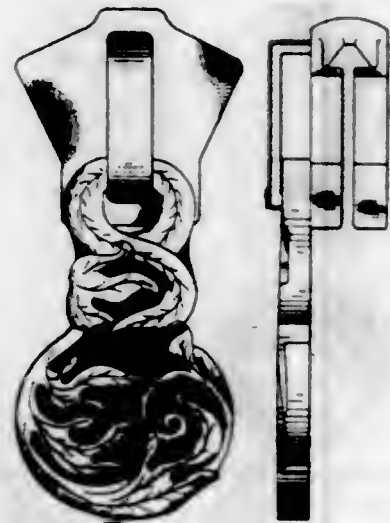
The ornamental design for a pull for a slide fastener substantially as shown.

79,902. PULL FOR A SLIDE FASTENER. ROBERT H. NICHOLSON, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Jan. 24, 1929. Serial No. 29,758. Term of patent 14 years.



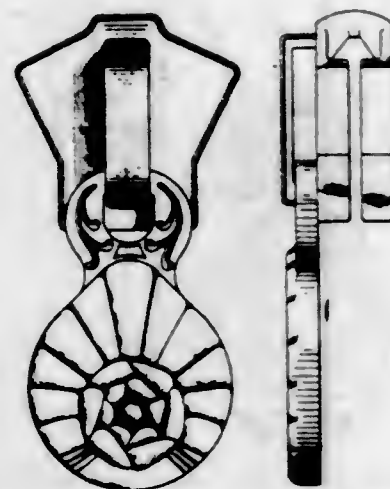
The ornamental design for a pull for a slide fastener substantially as shown.

79,903. PULL FOR A SLIDE FASTENER. ROBERT H. NICHOLSON, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Jan. 25, 1929. Serial No. 29,765. Term of patent 14 years.



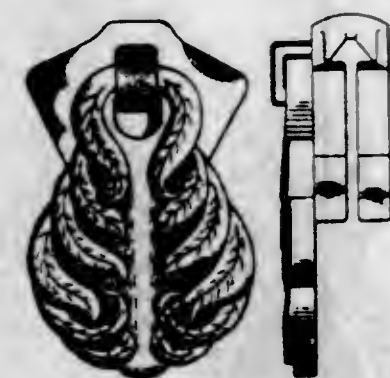
The ornamental design for a pull for a slide fastener substantially as shown.

79,904. PULL FOR A SLIDE FASTENER. ROBERT H. NICHOLSON, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Jan. 26, 1929. Serial No. 29,787. Term of patent 14 years.



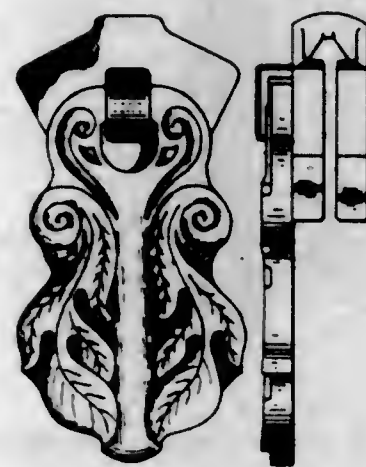
The ornamental design for a pull for a slide fastener substantially as shown.

79,905. PULL FOR A SLIDE FASTENER. ROBERT H. NICHOLSON, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Jan. 29, 1929. Serial No. 29,829. Term of patent 14 years.



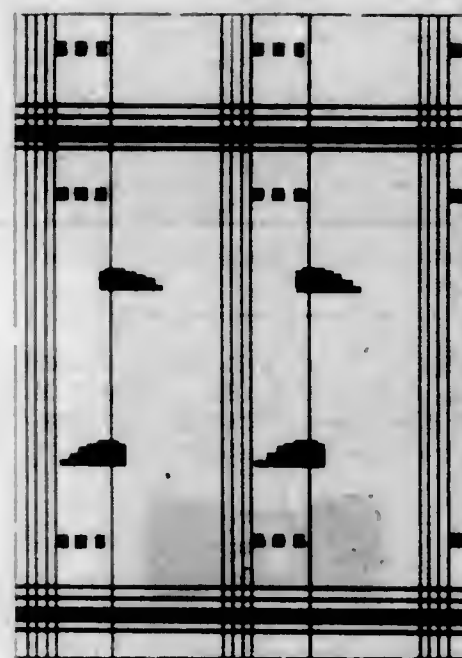
The ornamental design for a pull for a slide fastener substantially as shown.

79,906. PULL FOR A SLIDE FASTENER. ROBERT H. NICHOLSON, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed Jan. 30, 1929. Serial No. 29,847. Term of patent 14 years.



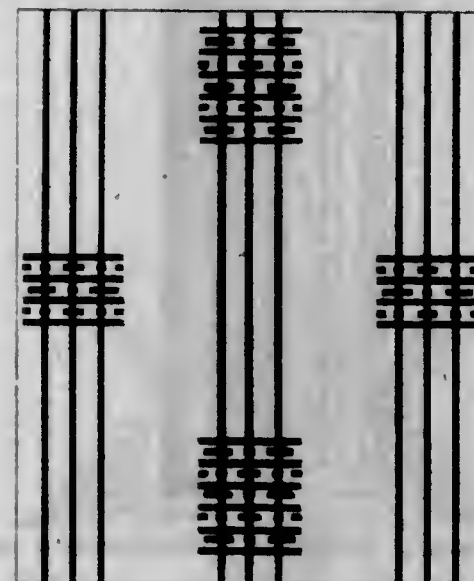
The ornamental design for a pull for a slide fastener substantially as shown.

79,907. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1929. Serial No. 32,398. Term of patent 3 1/2 years.



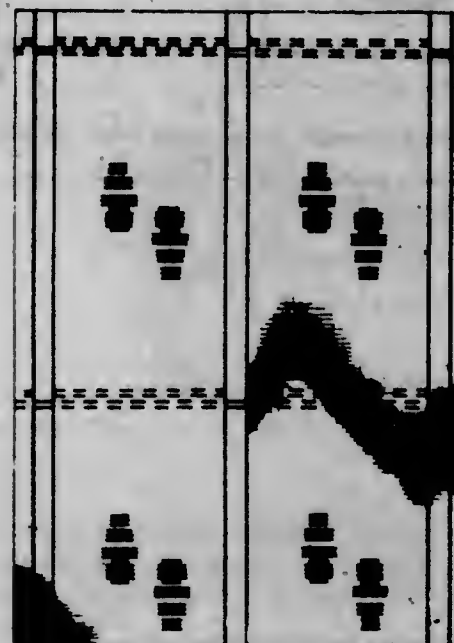
The ornamental design for a textile fabric as shown.

79,908. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1929. Serial No. 32,399. Term of patent 3 1/2 years.



The ornamental design for a textile fabric as shown.

79,909. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1929. Serial No. 32,400. Term of patent 3 1/2 years.



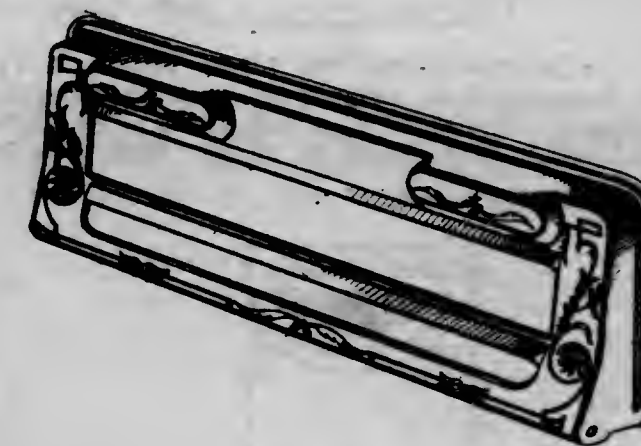
The ornamental design for a textile fabric as shown.
388 O. G.—23

79,910. HINGE. HORACE H. RAYMOND, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Feb. 16, 1929. Serial No. 30,087. Term of patent 14 years.



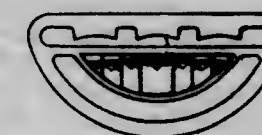
The ornamental design for a hinge, as shown.

79,911. RADIO STATION INDICATOR COVER. DANIEL SCHWARTZ, Chicago, Ill. Filed Sept. 12, 1929. Serial No. 32,739. Term of patent 14 years.



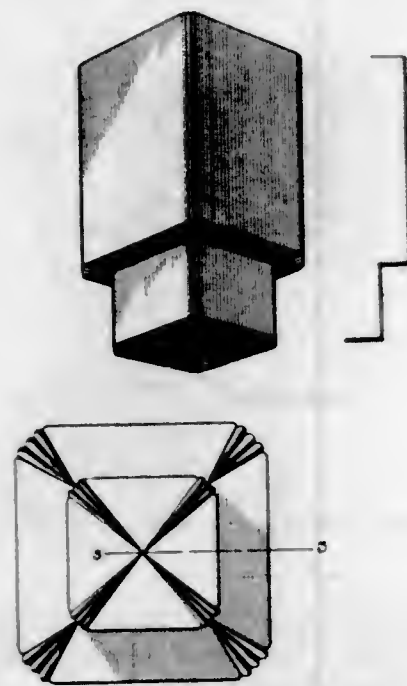
The ornamental design for a radio station indicator cover as shown.

79,912. SUSPENDER-END TOP LINK. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Sept. 3, 1929. Serial No. 32,646. Term of patent 3 1/2 years.



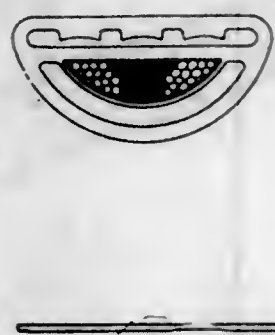
The ornamental design for a suspender-end top link, as shown.

79,913. LIGHTING-FIXTURE GLOBE. DAVID W. SILVERS, Los Angeles, Calif. Filed July 9, 1929. Serial No. 31,978. Term of patent $3\frac{1}{2}$ years.



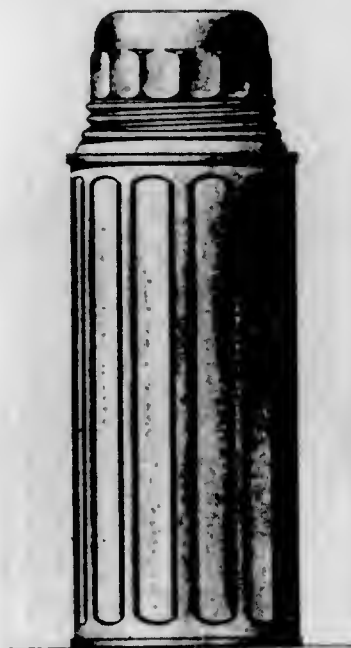
The ornamental design for a lighting fixture globe substantially as shown.

79,914. SUSPENDER-END TOP LINK. HAROLD C. VALSEY, Rochester, N. Y., assignor to Hickok Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 9, 1929. Serial No. 32,698. Term of patent $3\frac{1}{2}$ years.



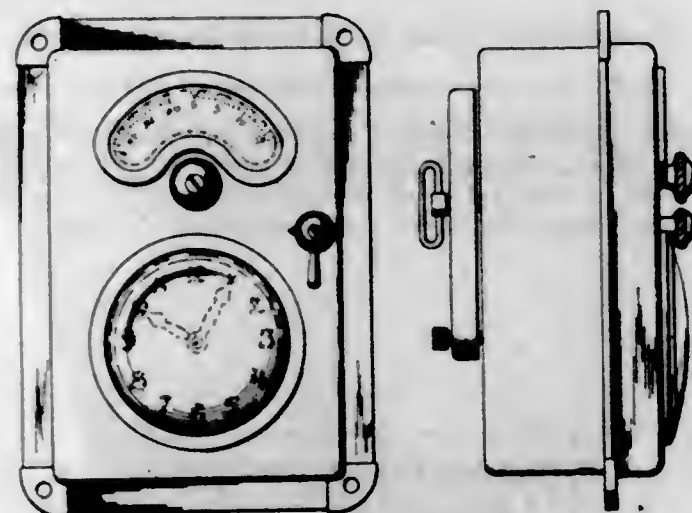
The ornamental design for a suspender-end top link, as shown.

79,915. HEAT-INSULATED RECEPTACLE. CORTLAND W. DAVIS, Oak Park, and FRED F. BECKER, Chicago, Ill. Filed Jan. 10, 1929. Serial No. 29,568. Term of patent 14 years.



The ornamental design for a heat-insulated receptacle, as shown.

79,916. CLOCK CASE. CHESTER R. GAINS, Muscatine, Iowa. Filed June 18, 1929. Serial No. 31,748. Term of patent 7 years.

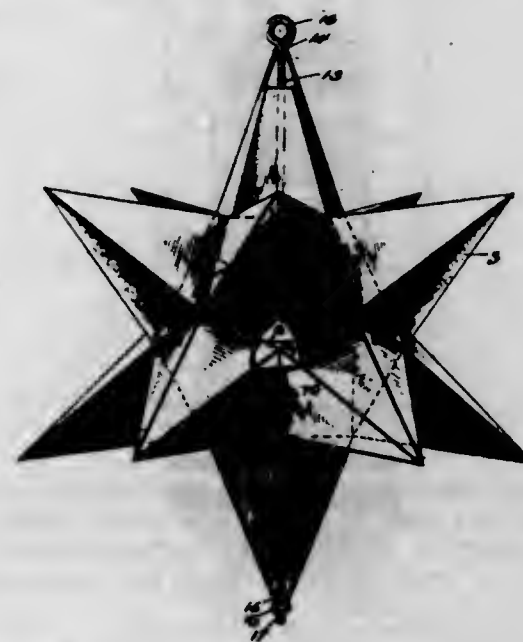


The ornamental design for a clock case, as shown.

PATENTS

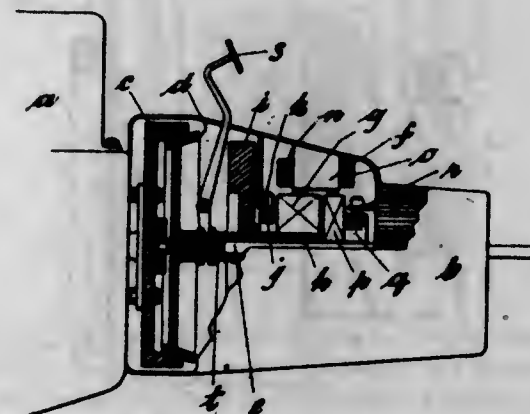
GRANTED NOVEMBER 12, 1929

1,734,954. ORNAMENTAL STRUCTURE. OLOF W. ARVIDSON, Ashtabula, Ohio. Filed Aug. 24, 1928. Serial No. 301,787. 10 Claims. (Cl. 41—10.)



1. An ornamental form comprising a two-part body portion means for detachably securing the sections together, a plurality of star points, and means for detachably securing said points to said body portion.

1,734,955. ELECTRIC STARTER FOR INTERNAL-COMBUSTION ENGINES. RALPH LEONARD ASPDEN, Chorley, England. Filed July 10, 1928, Serial No. 291,545, and in Great Britain July 15, 1927. 4 Claims. (Cl. 290—47.)

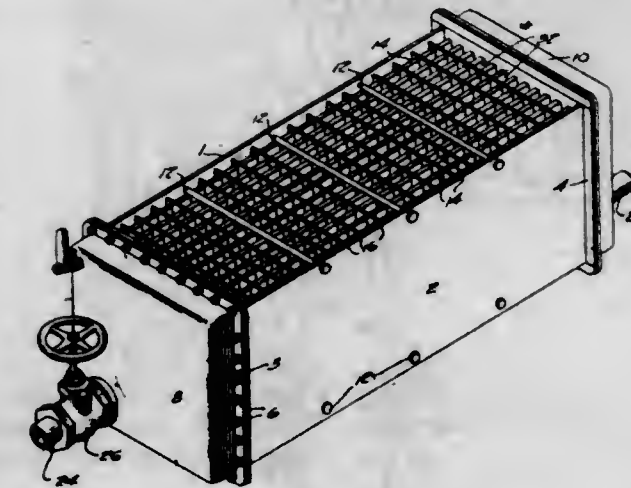


2. An electric starter for an internal combustion engine comprising a field magnet, an armature with a hollow shaft, a flywheel upon said shaft and a one way clutch within said shaft.

1,734,956. RADIATOR. THOMAS A. BALDWIN, Oyster Bay, N. Y. Filed Mar. 8, 1927. Serial No. 173,650. 9 Claims. (Cl. 257—136.)

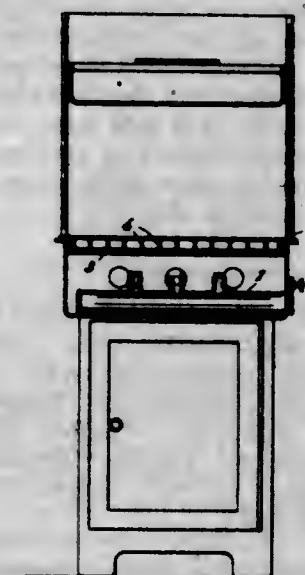
1. A radiator for use in a heating system comprising a casing, a plurality of horizontal conduits of substantial

depth, means for directing the heat imparting medium back and forth in a horizontal direction through said conduits, spacing means interposed between adjacent con-



duits at intervals in the length thereof, and means for directing the air to be heated between the said conduits in a direction normal to the direction of flow of said medium.

1,734,957. KITCHEN RANGE WITH GRID IRON FOR CHILDREN. CARL ALBERT, Zoblit in Erzgebirge, Germany. Filed Aug. 16, 1927, Serial No. 213,419, and in Germany Dec. 11, 1926. 1 Claim. (Cl. 126—42.)

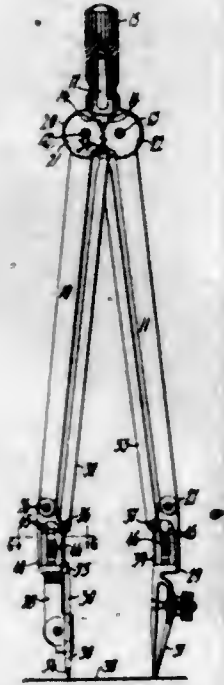


A kitchen-range for children comprising in combination with a spirit burner, a frame above said burner, a sieve-like perforated plate fixed in said frame, grate-bars standing on edge mounted in said frame at a short distance above said perforated plate so that a grid-iron is formed to obtain a low and uniformly distributed flame.

1,734,958. DRAFTING COMPASS. LUDWIG A. AUDRIETH, Union, N. J. Filed Oct. 5, 1927. Serial No. 224,070. 7 Claims. (Cl. 33—151.)

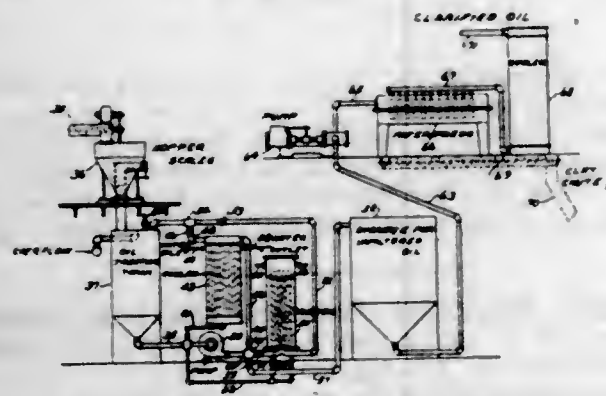
1. An instrument of the class described having, in combination, a pair of legs, a handle upon which the legs are pivoted eccentrically to each other, said legs having toothed intermeshing hub-ports, point-carrying knuckles to which the legs are pivoted at their lower ends, and links folding between said legs, said links at their upper ends pivoted to said handle and at their lower ends

pivoted to said knuckles, said handle including cheek-pieces between which the hubs of the compass-legs are confined, said handle forming means for clamping said cheek-pieces upon said hubs to impart friction and stiffness.



2. An instrument of the class described having, in combination, a pair of legs, a handle, said legs having toothed intermeshing hub-portions, point-carrying knuckles to which the legs are pivoted at their lower ends, and links folding between said legs, said links at their upper ends pivoted to said handle and at their lower ends pivoted to said knuckles respectively, said handle having cheek-pieces between which the hubs of the compass-legs are confined and to which the hubs are pivoted eccentrically to each other, each of said cheek-pieces having shank-portions extending upwardly, said shank-portions together forming a threaded stem for the instrument, and a cap threaded to screw down upon said stem, said cheek-pieces having beveled portions engaged by said cap to enable the cap to coact with the threaded shank to crowd said cheek-pieces against the confined hubs.

1,734,959. APPARATUS FOR CLARIFYING AND DECOLORIZING PETROLEUM OIL. JOHN C. BLACK, Los Angeles, Calif., assignor, by mesne assignments, to Contact Filtration Company, San Francisco, Calif., a Corporation of Delaware. Original application filed Apr. 5, 1920, Serial No. 371,399. Divided and this application filed Aug. 2, 1927. Serial No. 210,155. 5 Claims. (Cl. 196—46.)



5. An apparatus for clarifying and improving the color of hydrocarbon oils comprising a treating tank; means for introducing regulated quantities of oil and clarifying and decolorizing agent into said tank; a heater; a separate cooler; means for circulating oil and agent from said

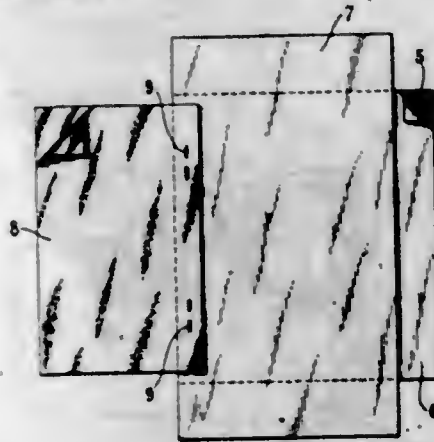
treating tank through said heater and said cooler selectively, and back into said treating tank; means for separating the agent from the oil and means for selectively discharging oil and agent from said treating tank into said separating means.

1,734,960. CHAIN LINK. WALTER BROCKSCHMIDT, Muskegon Heights, Mich., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 20, 1924. Serial No. 751,001. 7 Claims. (Cl. 74—32.)



1. In combination in a chain link, a pair of link members each having a side portion and a laterally extending tubular portion, one of said members provided in its bore with an inwardly tapered enlargement, and the other member adapted to be driven into said enlargement and to be spread laterally thereinto, the enclosing member extending substantially to the side portion of the other member.

1,734,961. PAD. JAMES CHESTER BROWN, New York, N. Y., assignor, by mesne assignments, to E. Frederica, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 19, 1928. Serial No. 247,817. 14 Claims. (Cl. 132—36.2.)

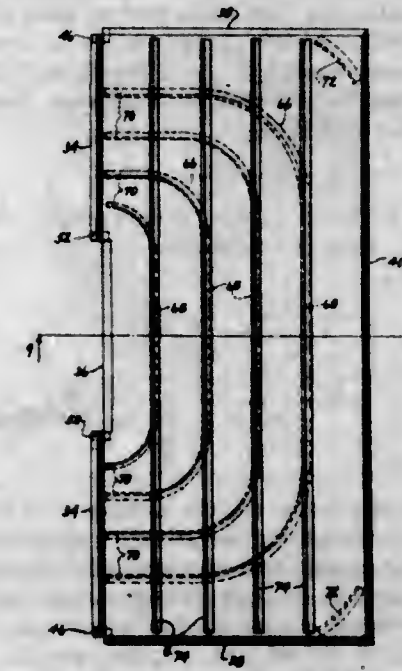


1. As an article of manufacture a hair waving pad including a plurality of sheets, means for securing said sheets to each other and one of said sheets comprising a single comparatively thick layer of substantially highly digested material having relatively high moisture absorption and retaining qualities.

1,734,962. AIR HEATER. CHARLES WARRINGTON EARLE, CLARKE, New York, N. Y., assignor to Lucille V. Clarke, Philadelphia, Pa. Filed Mar. 11, 1924. Serial No. 698,405. 16 Claims. (Cl. 257—245.)

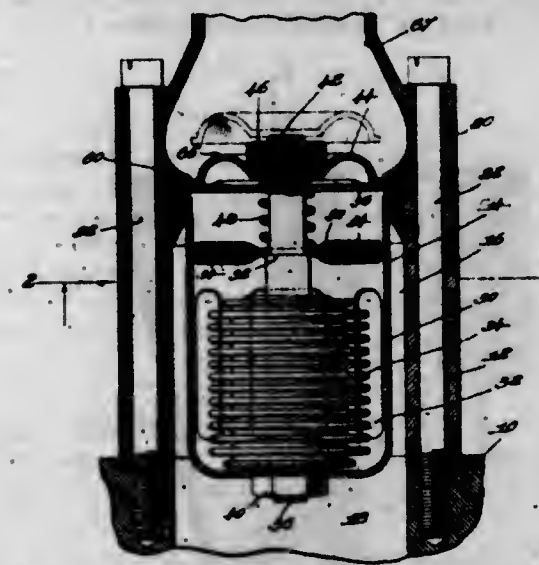
1. A heating element for an air heater comprising two plates arranged side by side and spaced apart, and having

inlet and outlet openings for enabling air to be passed through the space between said plates, said space being divided into a plurality of air passages having their ends



in communication with said inlet and outlet openings, said air passages being of different lengths, and the shorter air passages being suitably throttled to effect a uniform distribution of the air through said space.

1,734,963. THERMOSTATIC CONTROL OF COOLING CIRCULATION. WALTER B. CLIFFORD, Cambridge, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a Corporation of Delaware. Filed Nov. 24, 1926. Serial No. 150,581. 2 Claims. (Cl. 236—34.)

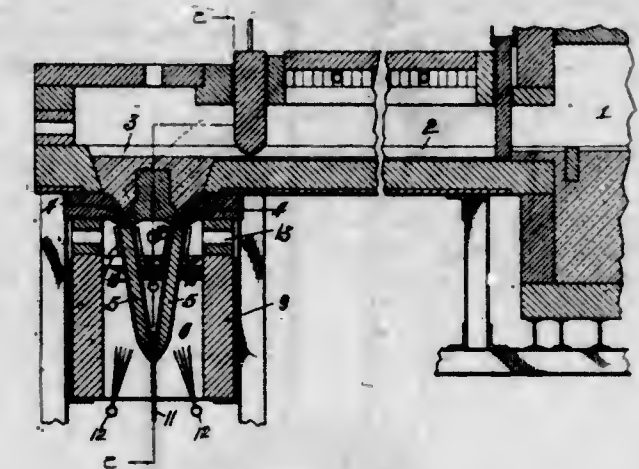


1. Temperature-controlled apparatus comprising metallic bellows, an open cage connected with the bellows at one end, a valve opening formed in the cage, a valve connected with the opposite end of the bellows and cooperating with the opening, the valve being shaped and designed in conjunction with the valve opening to reverse the direction of flow of water therebeneath upon opening in a manner to cause the exertion of a substantial reaction head in a direction to open the valve.

1,734,964. METHOD AND APPARATUS FOR MANUFACTURING CONTINUOUS GLASSWARE. EDWARD DANNER, Toledo, Ohio. Filed Nov. 17, 1921. Serial No. 515,759. 37 Claims. (Cl. 49—17.)

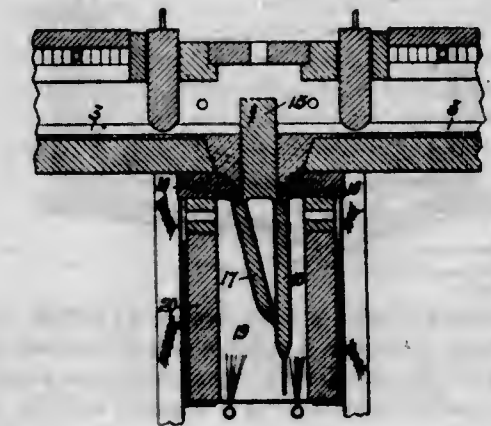
8. The method of forming continuous glassware which consists in flowing molten glass in more than two thin

streams along a plurality of directing members in the presence of a heated atmosphere, uniting the streams, while still molten, into a single sheet, and taking the sheet



away as rapidly as formed and permitting it to cool, the inner surfaces only of the outer streams having contact with the directing members.

1,734,965. METHOD AND APPARATUS FOR FORMING GLASSWARE. EDWARD DANNER, Toledo, Ohio. Filed Dec. 5, 1921. Serial No. 519,866. 24 Claims. (Cl. 49—17.)



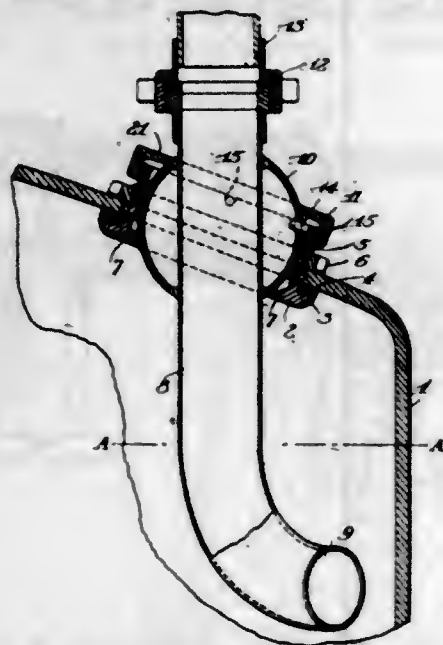
1. The method of forming continuous glassware, which consists in freely flowing more than two streams, from at least two separate sources of molten glass, through a heated atmosphere and uniting the streams into a single stream before leaving such atmosphere.

20. In apparatus for forming sheet glass, separate receptacles for molten glass, there being slots in said receptacles from which films of molten glass issue, and means in position to contact inner surfaces of films thus issuing and guide and control the movement of the glass, said means extending below any members contacting the exterior surfaces of the exterior films and the guiding means for different films being at different angles, the guiding surfaces of said means being of different lengths for different films.

1,734,966. PIPE CONNECTION FOR VESSELS. MILTON W. ELMENDORF, Rochester, N. Y., assignor to The Pfau-ler Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 23, 1922. Serial No. 546,135. 2 Claims. (Cl. 285—95.)

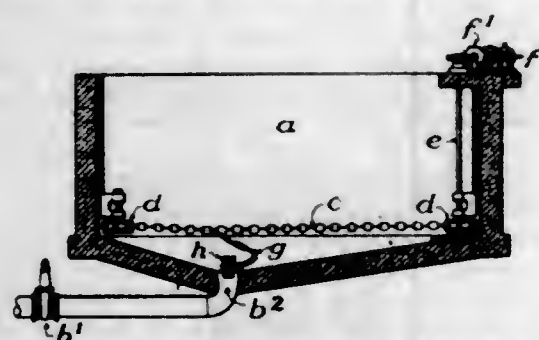
1. In a pipe connection for tanks, the combination with a sleeve having an exterior flange and an interior metallic flange with a relatively thin edge, a nut on the sleeve opposite the first mentioned flange, of a pipe ex-

tending through the sleeve having a discharge orifice at one end, a spherical portion resting upon the thin edge



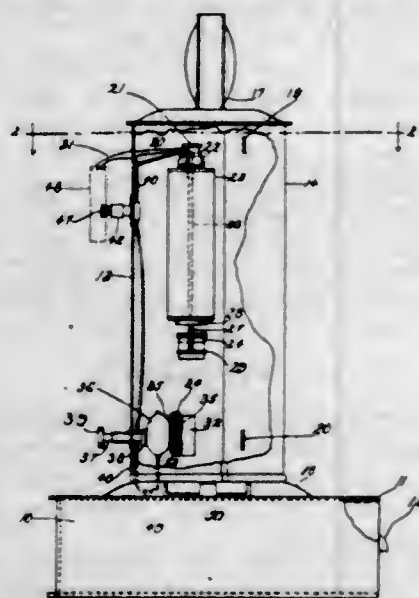
of the interior flange of the sleeve, and a securing collar threaded upon the exterior of the sleeve and engaging the spherical portion above its center.

1,734,967. MECHANICAL REMOVAL OF SOLIDS FROM CLARIFICATION TANKS, ETC. WESTON GAVETT, Plainfield, N. J. Filed Mar. 20, 1929. Serial No. 348,441. 1 Claim. (Cl. 210-55.)



The combination with a tank having an outlet, a carrier mounted within the tank, a flexible scraper having its ends connected with the carrier at opposite points, and a guide post at the outlet and forming a bearing for the scraper.

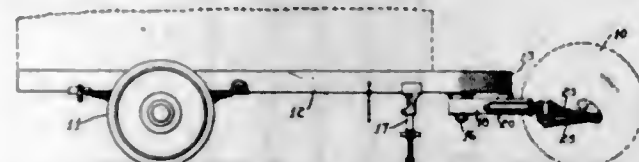
1,734,968. DISPENSING DEVICE. ELMER C. HAKE, Covington, Ky., and SELY S. SELIGMAN, Cincinnati, Ohio; said Hake assignor to said Seligman. Filed Apr. 4, 1928. Serial No. 267,407. 10 Claims. (Cl. 221-76.)



1. In a dispensing device the combination of a pump means, a cap, an air tube connecting the pump and cap, a

self opening plunger valve communicating with the air tube intermediate the pump and cap, a container adapted to be sealed by the cap and a second tube extending through the cap and into the container, a discharge end on the second tube, the discharge end of said second tube bearing such relation to the plunger valve as to require depression of the valve plunger by a receiving means when said means is held in position for receiving from the discharge end of the said tube.

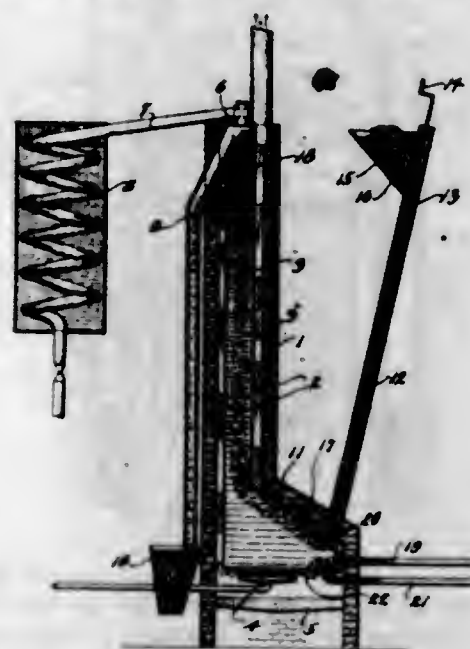
1,734,969. TRAILER. SEZO HATASHITA, Lima, Ohio. Filed Apr. 7, 1928. Serial No. 268,257. 11 Claims. (Cl. 280-331.)



1. In combination of a trailer having a chassis frame with a king bolt depending therefrom, a coupling member attached to the king bolt and provided with means bearing against the underside of said chassis frame in front of the king bolt, towing means having a seat in supporting relation to the front end of said coupling member and draft means connecting said towing means to the coupling member independently of said seat.

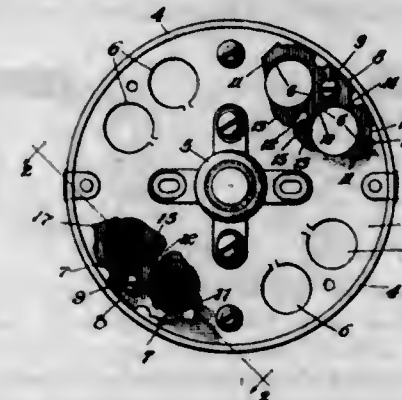
3. The combination of a trailer having a chassis frame, a coupling member swiveled to said frame and having means bearing against the underside of the frame in front of the swivel connection, means in supporting relation to the front end of the coupling member, and draft elements connecting said last mentioned means to the coupling member independently of its supporting relation thereto.

1,734,970. PROCESS AND APPARATUS FOR TREATING PETROGEN-CONTAINING SUBSTANCES. JAMES B. JENSON, Salt Lake City, Utah. Filed July 22, 1921. Serial No. 486,729. 8 Claims. (Cl. 202-18.)



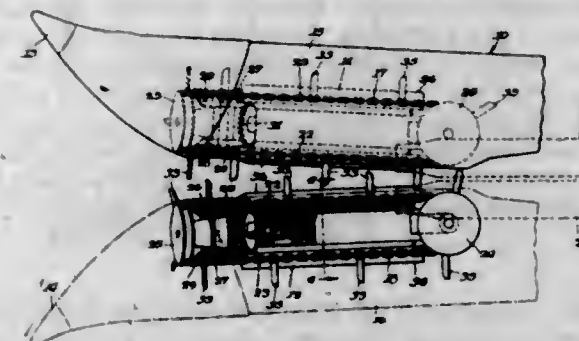
1. The method of treating shale to obtain petroleum products therefrom, which consists in subjecting the shale to a hot bath of molten metal in the presence of an auxiliary supply of hydrogen whereby carbon atoms and unsaturated hydrocarbon molecules can combine with the necessary hydrogen to produce saturated hydrocarbon molecules, the depth of the bath being sufficient to subject the shale and gases to pressure and the shale being retarded at the bottom of the bath where it is subjected to the maximum pressure of the bath until it is substantially decomposed, after which the spent materials are released and permitted to rise quickly to the top of the bath, and collecting the resultant gases and condensing the condensable portions thereof.

1,734,971. OUTLET BOX. CHESTER A. JOHNSON, Chicago, Ill., assignor to Jefferson Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1924. Serial No. 746,930. 8 Claims. (Cl. 247-25.)



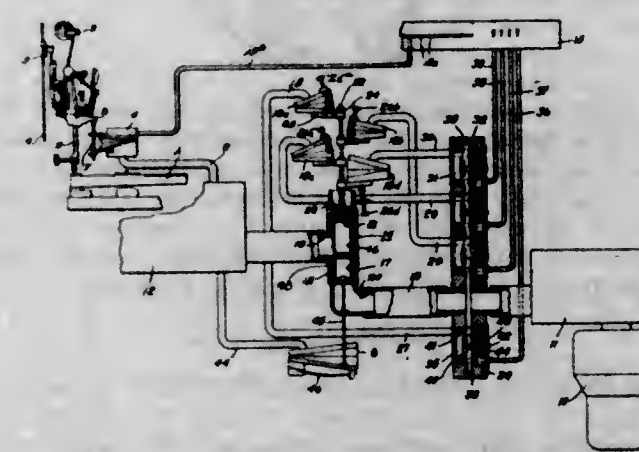
5. A conduit clamp in the form of a flat plate having a central portion bifurcated at one end to form two wings, and having two wings projecting in opposite directions from its other end, parts thereof being structurally weak to permit bending of the wings of each pair toward each other in the plane of the plate to grip a conduit.

1,734,972. CORN HARVESTER. CLIFFORD J. JOHNSON, near Leland, Ill. Filed Mar. 25, 1927. Serial No. 175,189. 8 Claims. (Cl. 56-119.)



1. A gathering mechanism for a corn harvester comprising a pair of endless gatherer chains, each chain forming a forward and a rearward loop, means for supporting the rearward loops of said chains in the same plane, means for supporting the forward loops of said chains in the same plane and at an angle to the plane of said rearward loops, and means for driving said chains.

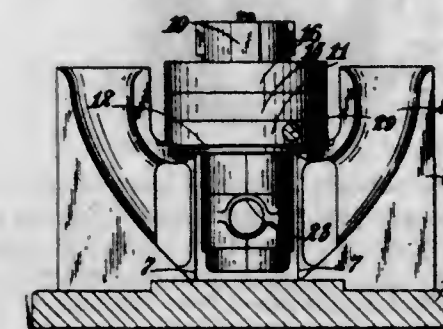
1,734,973. MUSICAL INSTRUMENT. WILLIAM J. KREBS, Dayton, Ohio. Filed June 27, 1923. Serial No. 648,136. 13 Claims. (Cl. 84-41.)



2. An expression device for self-playing musical instruments, comprising means providing a wind passage connected at one end with the wind chest and at the other

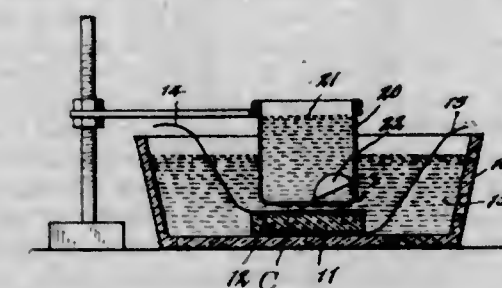
end with the exhaustor, a valve controlling the size of the wind passage opening between the wind chest and the exhaustor comprising a plurality of floating valve members adapted to cooperate with one another to regulate the wind passage opening, an expression bellows for controlling one of said floating-valve members, and a regulating bellows connected with said wind chest for controlling the other said floating valve member.

1,734,974. PERMANENT METAL FOUNDRY MOLD. ERIC CRISP LEWIS, Teddington, England, assignor to The Automotive Engineering Company Limited, Twickenham, England. Filed Sept. 7, 1928. Serial No. 304,532. and in Great Britain Dec. 14, 1927. 5 Claims. (Cl. 22-136.)



1. In a permanent metal foundry mold, the combination of a body, a mold cavity formed therein, a core removably mounted in said cavity, a recess in said core adapted to form an internal projection on a casting produced within the mold, longitudinal divisions in said core, one of which extends through said recess therein, and members mounted upon the mold body to rotate about the longitudinal axis of the core, to each of which rotatable members is attached a section of the mold core, substantially as set forth.

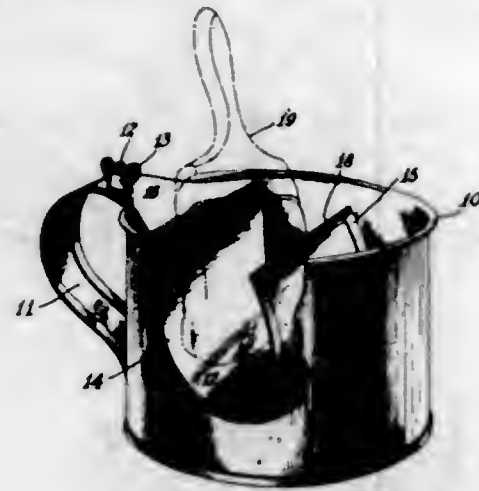
1,734,975. METHOD AND APPARATUS FOR FORMING EMULSIONS AND THE LIKE. ALFRED L. LOOMIS, Tuxedo Park, N. Y., and ROBERT WILLIAMS WOOD, Baltimore, Md. Filed Sept. 2, 1927. Serial No. 217,291. 10 Claims. (Cl. 252-6.)



1. The method of forming emulsions, suspensions and colloids, which consists in passing through two adjacent immiscible substances, of which at least one is a liquid, compression waves of radio-frequency.

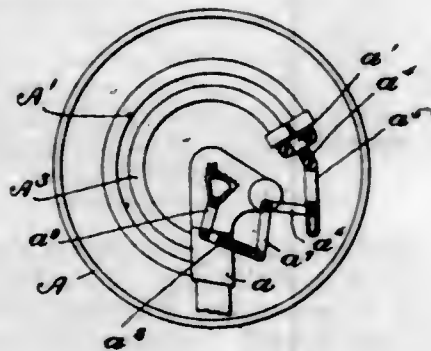
10. An apparatus for forming emulsions, suspensions and colloids, comprising an insulator, a conductor resting thereon, a crystal resting freely on said conductor, a body of oil surrounding the crystal and the conductors, means for applying to the conductors a radio-frequency electric current of high voltage, and a liquid container immersed in the body of oil.

1,734,976. CONTAINER FOR COATING MATERIAL. JOSEPH J. McCLELLAN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 18, 1927. Serial No. 227,092. 3 Claims. (Cl. 220—90.)



1. A coating-material container comprising a well member and a trough-shaped brush-support having open ends so mounted therein as to support the brush substantially above the floor of the well and formed with a brush-scraping margin spaced inward from the wall of the well.

1,734,977. PRESSURE GAUGE. JOSEPH W. MOTHERWELL, Melrose, Mass., assignor to The Ashton Valve Company, Cambridge, Mass., a Corporation of Massachusetts. Filed May 23, 1924. Serial No. 715,399. 12 Claims. (Cl. 73—109.)

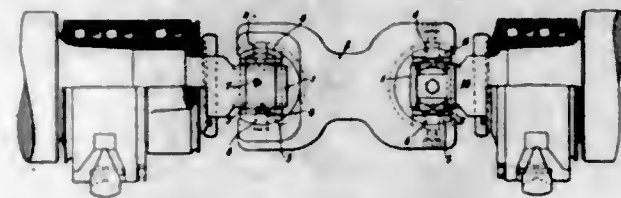


1. A device of the character described comprising a sector; a plurality of spring tubes arranged side by side axially of the device and all connected with the same source of pressure and each having a fixed end and a movable end, the movable ends being movable with relation to each other; and a link pivotally and directly connected with each of said movable ends, said tubes having their dimensional characteristics relatively so proportioned that the points of connection of the link with said movable ends remain substantially in line radially with relation to the centre of the device throughout the movement of the tubes and said dimensional characteristics being relatively so proportioned that said link extends substantially radially with relation to the centre of the device throughout the movement of the tubes, the motion of the ends of the tubes being determined by the pressure within the tubes, the elastic constants of the tubes and the link; and means to operatively connect said link with said sector.

1,734,978. COUPLING BOX FOR ROLLING MILLS. PER GUNNAR PALMGREN, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Dec. 31, 1927. Serial No. 243,833, and in Sweden Jan. 3, 1927. 6 Claims. (Cl. 80—1.)

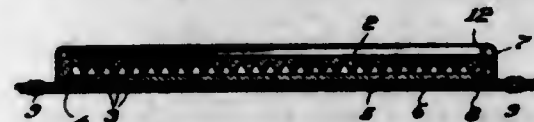
6. The combination with a rolling mill roll having a neck provided with opposed flat sides; of a yoke engaging later-

ally on said neck with its sides engaging the flattened sides of the neck, means to releasably hold the yoke in position on the neck, a roll coupling having a forked end provided with an arcuate guide groove lying in a plane radial of the axis of the coupling and passed through the arms of the forked coupling end, a pair of bearing members sitting



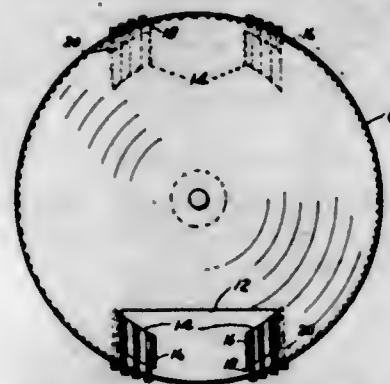
in said forked end of the coupling and provided with rib portions extending into the guide grooves, said bearing members being slidable along the grooved portion of the coupling member, and aligned pivot pins extending outwardly from the arms of the yoke and journaled in said bearing member.

1,734,979. WARNING SIGNAL. CHARLES A. PEARSONS, Worcester, Mass. Filed Oct. 28, 1927. Serial No. 229,425. 1 Claim. (Cl. 88—1.)



A reflecting signal of the character described comprising a colored translucent reflector having a multiplicity of angular light refracting projections extending from the rear face thereof, a mirror located immediately behind said reflector with its reflecting surface facing said reflector, a casing comprising a bezel surrounding the edges of said mirror and deflector and having a margin overlying the margin of the reflector, and a back secured to said bezel and protecting the mirror.

1,734,980. MEANS FOR TRANSPORTING CONCRETE. EARLE S. PHILIPS, Kennett Square, Pa., assignor to American Road Machinery Company, Kennett Square, Pa., a Corporation of Delaware. Filed Sept. 12, 1928. Serial No. 305,838. 12 Claims. (Cl. 83—73.)

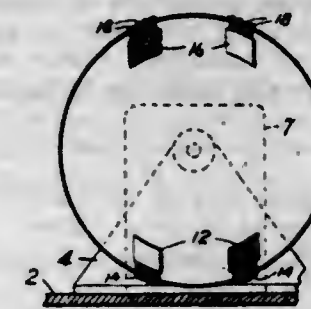


1. Means for transporting and mixing concrete comprising a vehicle, a rotary tank mounted on the vehicle, means for rotating the tank, and a plurality of mixing fins extending along the inner walls of the tank in spaced relation thereto, said fins being arranged in pairs, the members of each pair extending inwardly from the walls of the tank in approximately the same direction.

1,734,981. MEANS FOR TRANSPORTING CONCRETE. EARLE S. PHILIPS, Kennett Square, Pa., assignor to American Road Machinery Company, Kennett Square, Pa., a Corporation of Delaware. Filed May 3, 1929. Serial No. 360,069. 7 Claims. (Cl. 83—73.)

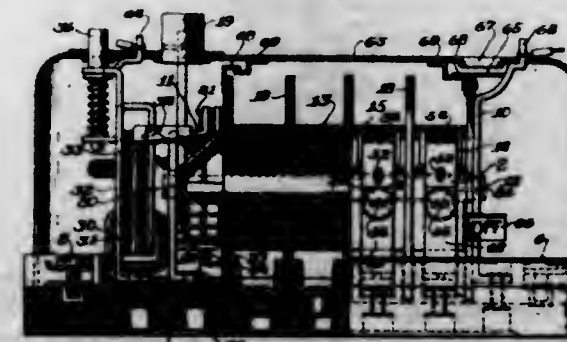
1. Means for transporting and mixing concrete comprising a vehicle, a rotary tank mounted on the vehicle,

means for rotating the tank, and at least two pairs of mixing fins oppositely disposed within the tank and ex-



tending along the inner walls thereof, the fins of one pair converging towards the front of the tank and the fins of the other pair converging towards the rear thereof.

1,734,982. ELECTRIC-CIRCUIT INTERRUPTER. MAURICE M. SAMUELS and JOSEF AMON, New York, N. Y. Filed Mar. 29, 1922. Serial No. 547,748. 8 Claims. (Cl. 200—80.)

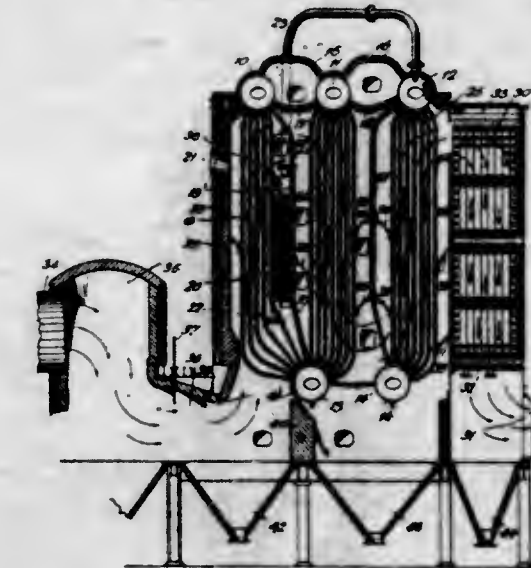


1. In a circuit interrupter, the combination with a rotatable insulating drum, of a contact carried by said drum, a stationary contact adapted to be engaged by the contact of said drum upon rotation of the latter, a spring tending to normally rotate said drum in a direction to remove the contact of said drum from engagement with said stationary contact, a housing for said spring mounted on said drum, a projection on said housing, and means for rotating said drum in the opposite direction in order to bring the contact on said drum into engagement with said stationary contact, said last-mentioned means consisting of a spring-controlled member rotatable independently of said drum, a pinion carried by said member, a manually operated rack engaging said pinion, and a pawl carried by said spring-controlled member and adapted to engage the projection of said spring housing, whereby upon actuation of said rack said spring-controlled member will be rotated and the pawl thereon will cause rotation of said drum and upon release of pressure upon said rack spring-controlled member will be rotated back to its normal position thereby correspondingly returning said rack to its normal position.

1,734,983. STEAM BOILER. HERMAN B. SMITH, Plainfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Jan. 21, 1926. Serial No. 82,696. 8 Claims. (Cl. 122—7.)

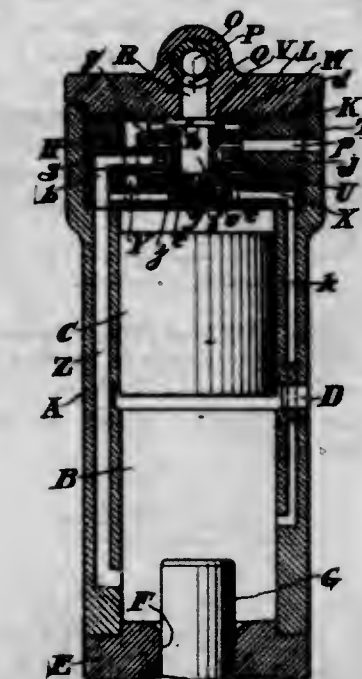
1. A steam boiler having a vertical flue, a steam and water drum at the top of said flue, a water drum at the bottom of said flue and at one side thereof, a bank of tubes connected to the upper drum and extending vertically in said flue for the major portion of their length

and having their lower ends bent and connected to said lower drum, an external source of hot gases, and a gas



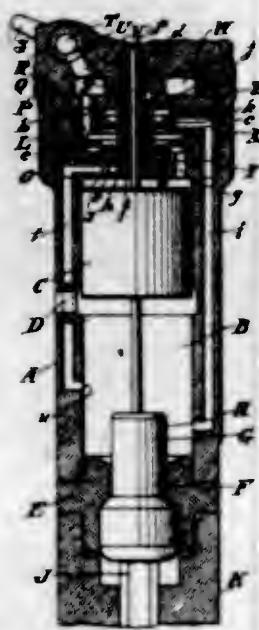
inlet connecting said source to the bottom of said flue, and means to direct the hot gases from the inlet into the bank from beneath the bent portions of the tubes.

1,734,984. VALVE FOR ROCK DRILLS. WILLIAM A. SMITH, Sr., Sayre, Pa., and WILLIAM A. SMITH, Jr., Phillipsburg, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 8, 1929. Serial No. 338,510. 5 Claims. (Cl. 121—18.)



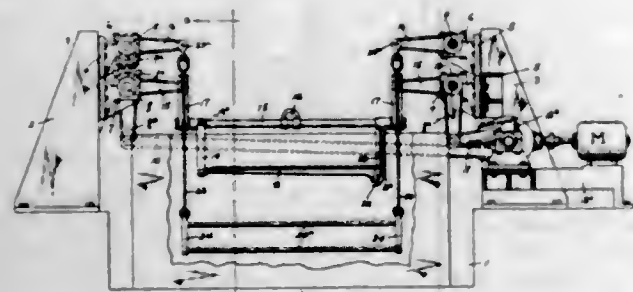
1. In a fluid actuated rock drill, the combination of a cylinder and a piston in the cylinder, an exhaust port in the cylinder, a valve chamber, inlet passages leading from the valve chamber to the cylinder, a valve in the valve chamber having an actuating surface constantly exposed to pressure fluid for throwing the valve in one direction and over which pressure fluid flows to one inlet passage, a supply passage in the valve for conveying pressure fluid to the other inlet passage, a second actuating surface on the valve, and a tripper passage in the cylinder in constant communication with the supply passage and adapted to be covered by the piston, thereby entrapping pressure fluid in the tripper passage to act against the second said actuating surface for throwing the valve in the opposite direction.

1,734,985. VALVE FOR ROCK DRILLS. WILLIAM A. SMITH, Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 15, 1929. Serial No. 340,262. 2 Claims. (Cl. 121-18.)



1. In a fluid actuated rock drill, the combination of a cylinder and a piston, an exhaust port in the cylinder, a valve chamber, inlet passages leading from the valve chamber to the cylinder, a valve in the valve chamber having a pair of flanges to control the inlet passages, an actuating surface on the valve constantly exposed to pressure fluid tending to throw the valve in one direction, a second actuating surface on the valve of greater area than the first said actuating surface, a tripper passage leading from the valve chamber to the cylinder and controlled by the piston, and a leak passage constantly admitting pressure fluid into the tripper passage wherein such pressure fluid is entrapped by the piston to act against the actuating surface of greater area for throwing the valve in the other direction.

1,734,986. PICKLING APPARATUS. STEPHEN L. WILLIAMS, Bridgeport, Ohio, assignor to Extruded Metal Products Company, Bridgeport, Ohio, a Corporation of Ohio. Filed Mar. 22, 1929. Serial No. 349,066. 14 Claims. (Cl. 266-7.)

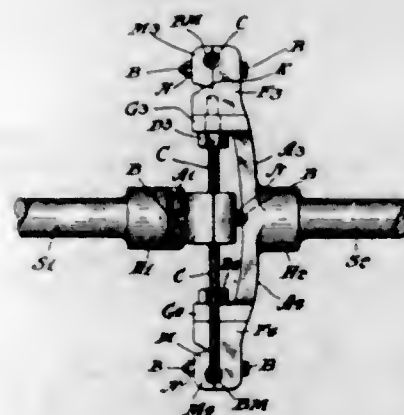


4. In a wire coil pickling apparatus, a pickling tank, a wire coil carrier, means to impart vertical reciprocatory movement to the carrier, means in the tank to engage the coils and to impart a rolling movement thereto, and means to vertically reciprocate the coil engaging means thereby to cause impact with the coils so as to spread the convolutions thereof and to effect said rolling movement of the coils.

1,734,987. PROCESS FOR MAKING ESTER GUM. BAILEY F. WILLIAMSON and WALTER H. BEISLER, Gainesville, Fla. Filed May 23, 1927. Serial No. 193,719. Renewed Sept. 13, 1929. 12 Claims. (Cl. 134-26.)

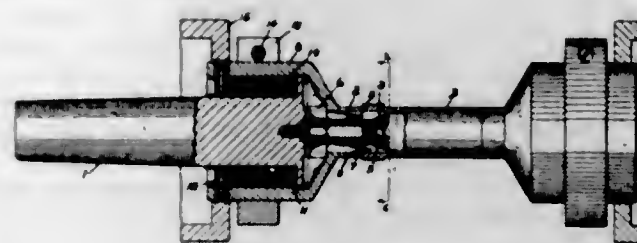
2. The improvement in the art of making ester gum which consists in heating a mixture of gum theus and glycerine to drive off undesired volatile substances and to combine the glycerine with the rosin content of the gum theus.

1,734,988. FLEXIBLE SHAFT COUPLING. RAMSAY W. WILSON, North Plainfield, N. J. Filed July 12, 1924. Serial No. 725,553. 17 Claims. (Cl. 64-96.)



1. A coupling comprising supporting arms, clamping members successively carried thereby, each of said clamping members being constructed with a curved groove and having a dovetail fulcrum seat; in combination with a straight-sided stranded cable ring having rounded corners located in the curved grooves of said clamping members; and compressing members holding said clamping members on their seats against the portions of said cable in said grooves.

1,734,989. CHUCK FOR BUSHINGS. GEORGE F. YAGER, Toledo, Ohio, assignor to The Bunting Brass & Bronze Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 10, 1927. Serial No. 225,144. 5 Claims. (Cl. 279-2.)



2. In a device of the class described, a chuck having expandable fingers for engaging the inside of a bushing to center the same, means to expand said fingers, rotatable means to exert an end pressure on the bushing, and means to cause relative movement of said fingers and said rotatable means to eject the bushing therefrom.

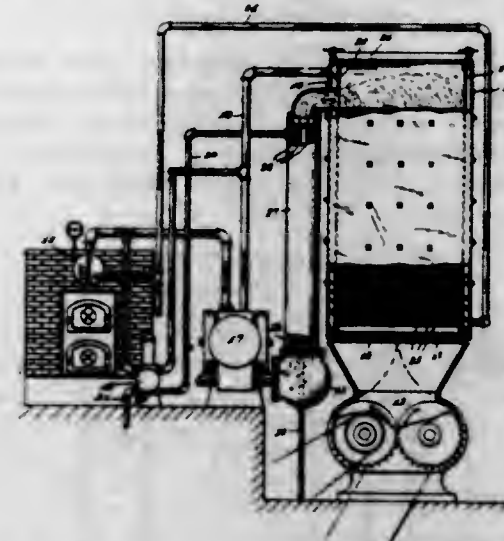
1,734,990. PROCESS AND MATERIAL FOR TREATING OIL WELLS TO ENHANCE THEIR PRODUCTIVITY. ALBERT H. ACKERMAN, Chicago, Ill., assignor to Catalytic Chemical Company, Chicago, Ill., a Corporation of Colorado. Filed Dec. 31, 1928. Serial No. 158,418. Renewed Apr. 15, 1929. 13 Claims. (Cl. 166-21.)

1. A composition of materials for treating oil-wells comprising the reaction product resulting from the admixture of anthracene with sulfuric acid, oil of mirbane, naphthalene, and sodium hydroxide.

1,734,991. RECOVERY OF SULPHUR FROM ROASTER GASES. RAYMOND F. BACON, Bronxville, N. Y. Filed May 6, 1927. Serial No. 189,273. 8 Claims. (Cl. 23-226.)

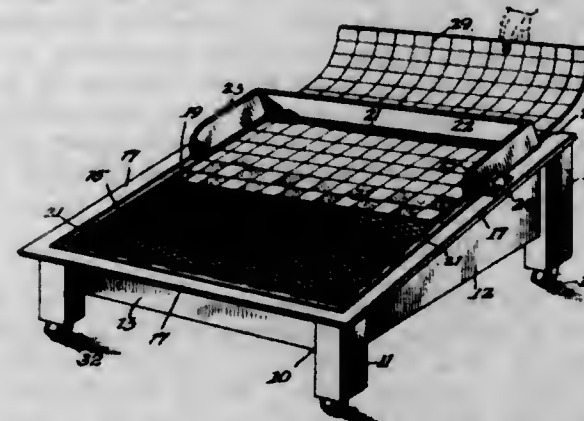
1. The method of recovering sulphur from roaster gas which comprises, compressing the gas, reducing the compressed gas with hot reducing agents and recovering sulphur from the reduced gas.

1,734,992. PROCESS AND APPARATUS FOR DRYING AND PULVERIZING COAL. FREDERIC I. BARROWS, Indianapolis, Ind., assignor to Ruth Hull Barrows, Indianapolis, Ind. Filed July 18, 1927. Serial No. 206,418. 4 Claims. (Cl. 34-34.)



1. The process of treating coal, comprising enclosing the material in a chamber, heating it and reducing the pressure in the chamber to partially disintegrate the coal, and subsequently completing the pulverization initiated by the partial disintegration of the coal in the chamber.

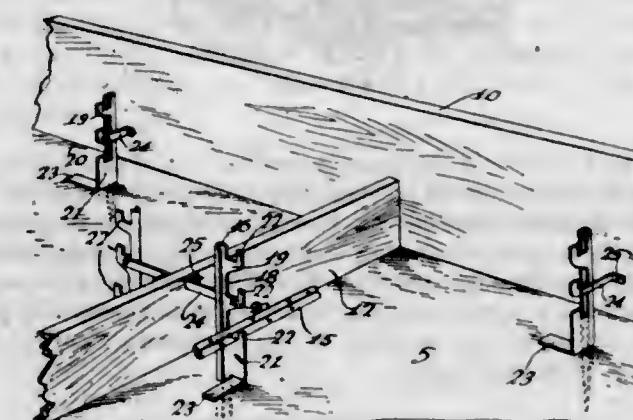
1,734,993. DISPLAY STAND. HARRY SUMNER BEST, Galva, and WILLIAM E. NESBITT, Evanston, Ill., assignors to John H. Best & Sons, Galva, Ill., a Firm composed of Charlotte Sumner Best, Don Jewell Best, Leon Henson Best, and Harry Sumner Best. Filed July 9, 1927. Serial No. 204,520. 12 Claims. (Cl. 211-45.)



1. A display stand comprising a base having an inclined display surface, an open frame on said display

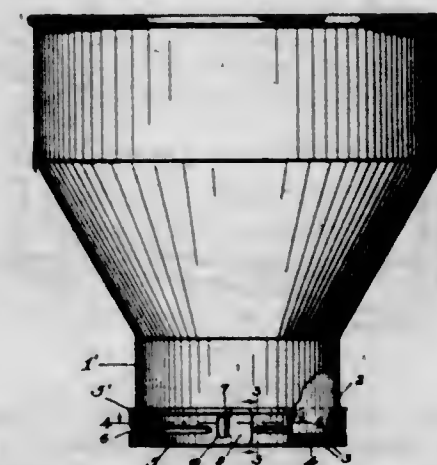
surface, and means connecting said frame and base arranged to permit bodily and pivotal movement of said frame relative to said surface.

1,734,994. DEVICE FOR SUPPORTING CONCRETE STEEL REINFORCING BARS. CLAUDE E. BOWERS, Los Angeles, Calif. Filed Aug. 25, 1927. Serial No. 215,432. 3 Claims. (Cl. 94-8.)



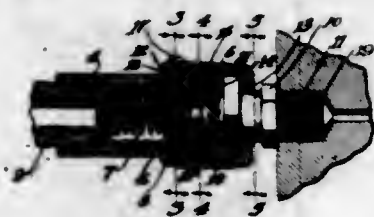
3. In a device of the class described an earth penetrating prong having a plurality of horizontally disposed rod seats formed on one of its side edges, means formed on the lowermost rod seat to limit ground penetration of said prong, and a pivoted bar or arm secured to said prong, one end adapted to be attached to an object to stabilize said prong when in position.

1,734,995. STRAINER UTENSIL. CHARLES L. BROWN, Portland, Me. Filed Apr. 14, 1928. Serial No. 270,082. 1 Claim. (Cl. 210-159.)



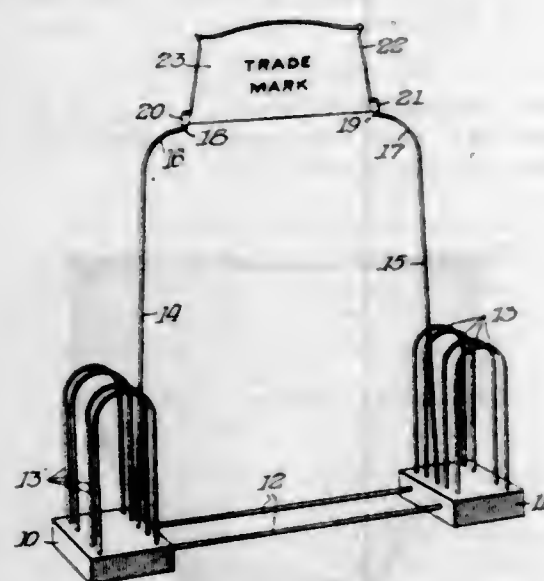
In a device of the character described comprising in combination with a funnel having a cylindrical lower end portion, a perforate bottom in said funnel, a clamping band made in the form of a strip adapted, when bent, to surround said cylindrical portion, a slot in one end of said band, transversely disposed with relation to said band, a tongue in the other end of said band adaptable of flat-wise engagement with said slot, an arcuate shaped bead disposed on and inwardly of said band and positioned thereon nearer one edge of said band than the other thereof, said bead being discontinued as it approaches the said slot and the said tongue, a finger hold on said band adjacent the slotted end thereof and adapted to provide means by which the ends of said band may be disengaged by an outward movement of the slotted end thereof, and a strainer element disposed over the said perforate bottom and extending upwardly around the said cylindrical portion of said funnel, interjacent the said bead and said cylindrical portion.

1,734,996. LUBRICATING COUPLING NIPPLE. CLYDE G. BUTLER, Cincinnati, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill., a Corporation of Delaware. Filed June 16, 1926. Serial No. 116,453. 4 Claims. (Cl. 285-177.)



4. In a device of the class described, the combination of a conduit adapted to receive lubricant under pressure, a nozzle secured thereto and having a non-circular socket in its outer end, a coupling sleeve swiveled on said nozzle and having an end opening adapted to register with said socket, and a spring tending to rotate said sleeve to a position in which the opening in the end thereof is out of registry with said socket.

1,734,997. DISPLAY RACK FOR FOLDING TABLES OR LIKE ARTICLES. PAUL R. CHUBBUCK, Streator, Ill., assignor to Metal Stampings Corporation, Streator, Ill., a Corporation of Illinois. Filed Oct. 6, 1926. Serial No. 139,789. 2 Claims. (Cl. 211-158.)

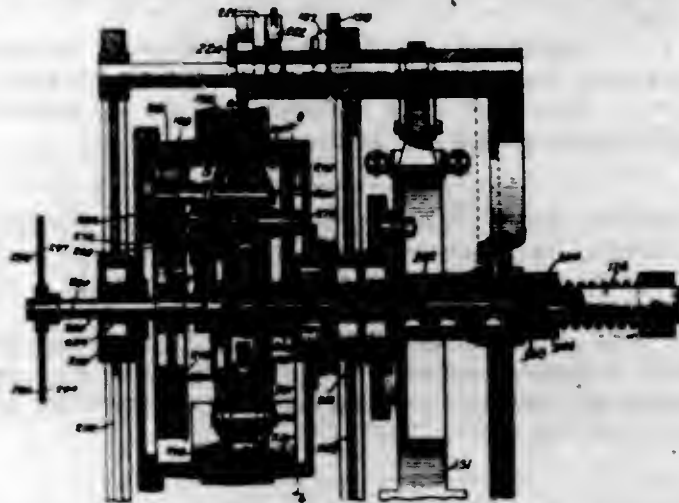


2. A display rack comprising a pair of spaced base blocks, a rod connection detachably connecting and spacing the blocks, a series of upright wall members rising from each block and successively spaced to form article receiving pockets open at their tops and at their inner and outer upright edges, the respective pockets of the two blocks being in mutual alignment to receive the opposite end portions of an article supported on the blocks, upright rods rising from the oppositely disposed blocks and extending above the tops of the wall members, and an advertising panel connecting the upper ends of the upright rods, said upright rods being disposed between adjacent wall members and defined therewith article receiving pockets at opposite sides of the said upright rods.

1,734,998. AUTOMATICALLY-CONTROLLED CLUTCH. HOWARD D. COLMAN, Rockford, Ill. Original application filed Sept. 10, 1917. Serial No. 190,502. Divided and this application filed June 23, 1927. Serial No. 200,873. 23 Claims. (Cl. 192-35.)

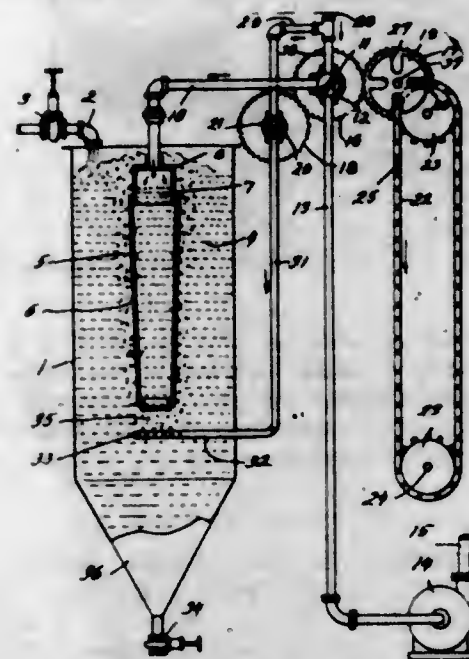
1. A drive mechanism having, in combination, a clutch comprising a driving member and a driven member, means

for throwing in the clutch including a ratchet wheel carried by the driven member, an arm pivoted on the axis of the ratchet wheel, a dog carried by said arm and arranged to engage the ratchet wheel, means actuated through relative rotation between the driving member



and the driven member for swinging the arm, an inertia wheel mounted to rotate on the axis of the clutch and yieldingly connected to the driven member, and a stop on said wheel arranged to obstruct the movement of said arm.

1,734,999. METHOD OF FILTERING AND THICKENING MIXTURES. GRAHAM CRICKSHANK, Trail, British Columbia, Canada, assignor, by mesne assignments, to Genter Thickeners Company, a Corporation of Delaware. Filed Oct. 10, 1925. Serial No. 61,676. 9 Claims. (Cl. 210-159.)



8. The method of enhancing the removal of accumulated solids from filter elements submerged in the mixture to be filtered in which the filter elements are periodically subjected to filtering and cleansing operations in sequence which comprises agitating the mixture in proximity to the surfaces of said submerged filter elements during and independently of said periodic cleansing operations, and interrupting said independent agitation during said periodic filtering operations.

1,735,000. COPPER COATING. JOSEPH G. DELY, New York, N. Y., assignor to Chemical Research & Designing Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1928. Serial No. 271,411. 6 Claims. (Cl. 91-70.1.)

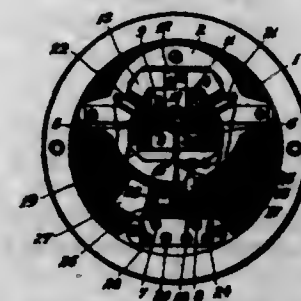
1. The process of coating a metallic object with copper which comprises applying a coat to the object, said coat

containing a halide of sodium and an inorganic vehicle of the silicate type for said halide and copper particles, and subjecting the thus prepared object to a high-temperature baking operation, whereby the copper particles are welded to each other and to the surface of said object in the form of relative large areas of substantially impermeable copper.

1,735,001. PROCESS OF TREATING LUMBER. DE VERE DIERKS, Kansas City, Mo. Filed June 28, 1927. Serial No. 202,168. 12 Claims. (Cl. 91-68.)

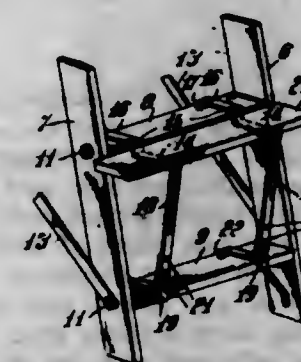
1. A method of producing dressed lumber substantially free from defects due to change in moisture content, which comprises dressing rough dimension stock to proper size and shape, and immediately applying to the dressed product a sealing material substantially free from gums and forming a thin, hard substantially water-proof envelope on all surfaces of the wood.

1,735,002. QUICK-RESPONDING LEAKAGE RELAY. WILHELM GAARZ and JOACHIM SONN, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Nov. 17, 1925. Serial No. 69,607, and in Germany Feb. 16, 1925. 5 Claims. (Cl. 200-91.)



1. In a transmission line for alternating current having a periodicity of at least 15 per second, an alternating current relay built on the wattmeter principle and being suitably connected into said line to operate when the line is grounded, and serving for the control of leakages of short duration, said relay consisting of a stationary alternating current coil system traversed by one kind of line current, a movable coil system traversed by another kind of line current and comprising a coil and a contact arm, means for maintaining the movable system in a middle position and a fixed contact adapted to close an electric circuit together with the said contact arm when the movable system moves from said middle position, said movable system having an extremely small mass and low damping, to permit rushes of current lasting at most three periods of the alternating current to effect a contact between the said contact arm and the said fixed contact.

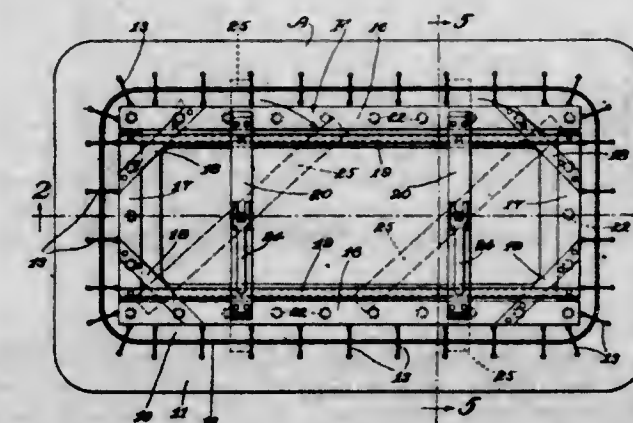
1,735,003. FOOT SUPPORT FOR LADDERS. WALTER C. HEIDEL, Oak Park, Ill. Filed May 4, 1927. Serial No. 188,724. 1 Claim. (Cl. 304-34.)



The combination with the steps of a step ladder, of a pair of brackets arranged for engagement with each end

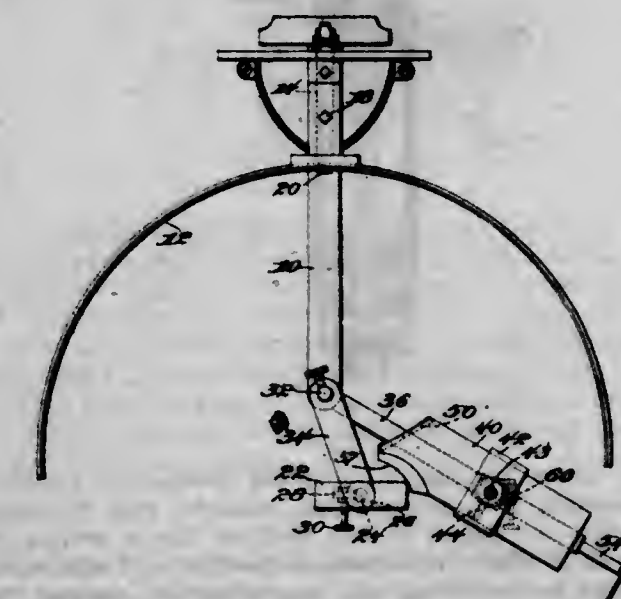
of an upper step of said step ladder, each of said brackets comprising a horizontal supporting portion bent upwardly and substantially vertically at its rear end, then horizontally to fit over the top of a step and then downwardly to engage the rear edge of a step, the forward end of each horizontal portion being bent downwardly and rearwardly to the outer edge of a lower step, the lower end of the bracket being bent slightly outwardly to engage the front edge of the lower step; a securing member secured to the lower portion of each bracket extending therefrom inwardly substantially horizontally to rest upon the top of the lower step and then turned downwardly at its rear end to engage the rear edge of said step; and a support secured to the said upper horizontal supporting portions of said brackets in substantial registration with said upper step.

1,735,004. STENCIL. RALPH Z. HOPKINS and EARL F. SEGER, Detroit, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 25, 1928. Serial No. 256,975. 7 Claims. (Cl. 101-114.)



1. A stencil for use in stripping automobile window reveals, comprising a frame, a flexible extension carried by said frame adapted to overlap the face of said reveal, said extension having a continuous stripping space, means for centering the stencil within the window reveal, and means for clamping the stencil in position.

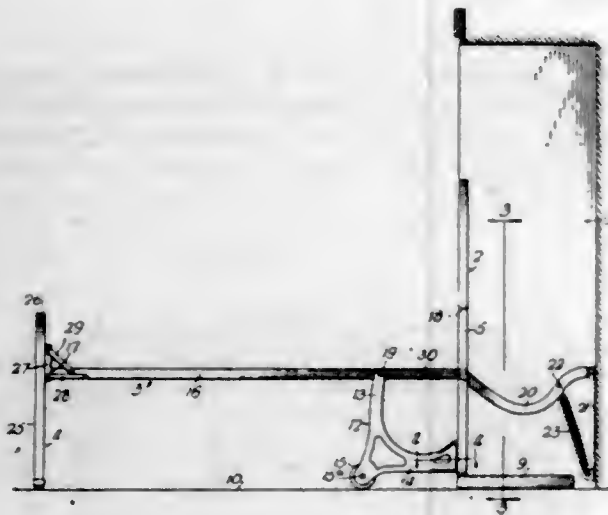
1,735,005. APPARATUS FOR TESTING EYES. EDWARD B. KIRK, Boston, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 25, 1926. Serial No. 83,458. 35 Claims. (Cl. 88-20.)



7. Apparatus of the class described comprising two relatively fixed objects one within and one without the direct

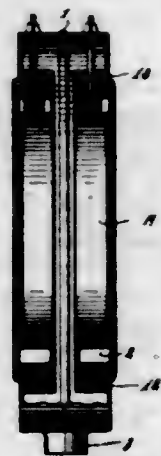
field of vision of the two eyes of the patient, a supporting surface upon which the object within the direct field of vision is mounted, means interposed in the direct vision of the eye not under test designed to deflect light rays to afford vision of the object without the direct field of vision, and means for supporting the head of the patient to permit simultaneous focusing of the eyes upon the respective objects, the head supporting means and light deflecting means having provision for relative vertical movement.

1,735,066. RECESS BED. CHARLES F. KOLB, Chicago, Ill. Filed Aug. 17, 1925. Serial No. 50,579. 7 Claims. (Cl. 5-170.)



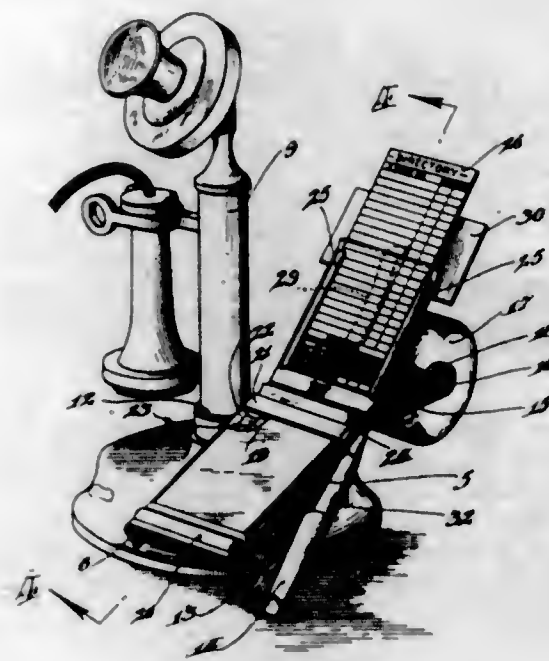
1. A recess bed embodying therein a movable head frame, a bed frame, means pivotally supporting the bed frame upon the head frame for a swinging movement from a horizontal to a vertical position thereon and vice versa and a rigid non-folding radius arm pivoted at one end to a fixed point in the recess and pivoted at its other end directly on a part rigid with said bed frame and acting in the swinging movement of the bed frame to project and retract said head frame and bed frame out of and into said recess.

1,735,067. PRESSURE FILTER FOR LIQUIDS. NATHAN LANES, New York, N. Y. Filed Sept. 21, 1928. Serial No. 307,459. 6 Claims. (Cl. 210-94.)



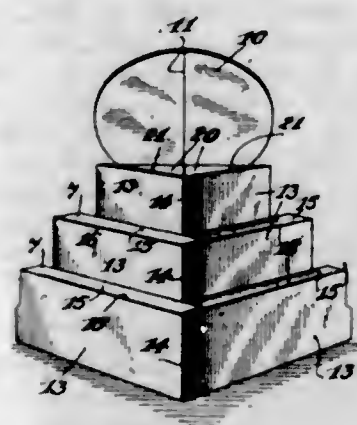
1. In filters for liquids, a casing having an annular screen-contact wall, a screen, an expander ring receiving said screen and placed in such position that a section of the screen is placed intermediate the ring and said wall, and means for expanding the ring to radially expand the screen and to carry an annular marginal section thereof into forcible contact with said wall, as and for the purpose set forth.

1,735,068. TELEPHONE ATTACHMENT. ALBERT E. LIPP, Philadelphia, Pa. Filed Sept. 23, 1927. Serial No. 221,495. 5 Claims. (Cl. 281-6.)



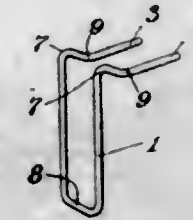
1. A memorandum paper holder including a desk part, an apertured lower guard and an upper guard adjacent the ends of the desk part, a deflector roller extending through the aperture in the lower guard, a paper guide adjacent the upper guard, and means for supporting a roll of paper.

1,735,069. DISPLAY DEVICE. RALPH S. MOORE, Little Neck, N. Y., assignor to Harry B. Kruger, New York, N. Y. Filed Sept. 26, 1928. Serial No. 308,450. 5 Claims. (Cl. 211-156.)



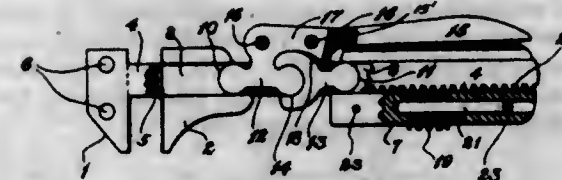
1. A collapsible display device consisting of a supporting member having two parts connected by a vertical hinge fold permitting relative angular movement of said parts to collapsed and operative positions, and display panels connected by a vertical hinge fold and respectively hinged to the free edges of said parts of the supporting member, and means connected with and movable relative to each of said panels, said means including an article supporting shelf forming part and means detachably connecting said part with one of the supporting parts and retaining the latter parts and the panels in operative position against relative folding movement to collapsed position.

1,735,010. HAIRPIN CLIP. HERBERT G. OLIVER, Mamaroneck, N. Y. Filed Dec. 1, 1926. Serial No. 151,850. 3 Claims. (Cl. 72-118.)



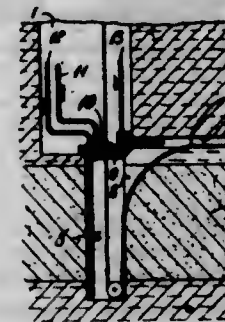
3. A clip for suspending one member from a second member comprising a unitary element having a portion for supporting the first member, a vertical portion extending from the supporting portion, and an oblique portion extending from the top of the vertical portion, said oblique portion being joined to the vertical portion in a concave downward bend forming a seat for disposition of the clip on the second member, said oblique portion being adapted to be snapped over the second member to bring the seat thereon and to exert a resilient retaining grip on the second member in service.

1,735,011. COMBINATION TOOL. ARTHUR N. PLANT, Hartford, Conn. Filed Feb. 24, 1927. Serial No. 170,567. 6 Claims. (Cl. 81-88.)



1. A tool including in combination a head or jaw having a bifurcated shank, a jaw channeled on opposite sides to receive respective furcations of the shank, a fulcrum member similarly channeled to receive the shank, toggle linkage interposed between the fulcrum and jaw members, means for securing the fulcrum against movement relative to the shank, and means for moving the toggle linkage into substantially dead center alignment longitudinally of the shank.

1,735,012. PROCESS AND MEANS FOR EXTRACTING PETROLEUM. JOHN LYON RICH, Ottawa, Kans. Filed Oct. 5, 1926. Serial No. 139,723. 4 Claims. (Cl. 262-3.)



1. The method of extracting petroleum which comprises boring a hole from one underground opening to another through or adjacent to an oil-bearing stratum, threading a sawing strand through said hole, imparting a sawing

movement to said strand in said hole and thereby sawing a narrow slit or channel through the oil-bearing stratum, and sealing the ends of said hole and said channel during the sawing operation to prevent escape of gas from the oil-bearing stratum to such underground openings.

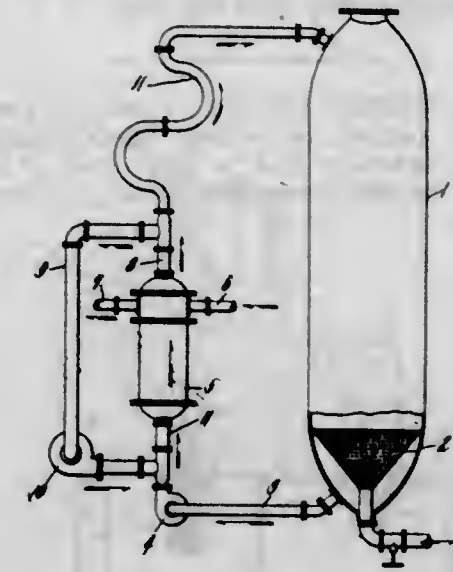
1,735,013. PROCESS OF PULPING RAW CELLULOSIC MATERIAL. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed June 1, 1928. Serial No. 282,276. 6 Claims. (Cl. 92-7.)

1. A process of pulping raw cellulosic material, which comprises digesting such material under atmospheric pressure and at temperatures materially above 212° F. in an aqueous cooking liquor comprising fiber-liberating chemical and a water-miscible body permitting the attainment of such temperatures at such pressure.

1,735,014. PROCESS FOR THE PRODUCTION OF SULPHITE PULP. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Original application filed Nov. 1, 1926. Serial No. 145,708. Divided and this application filed July 20, 1928. Serial No. 294,319. 13 Claims. (Cl. 92-11.)

1. A process which comprises digesting raw cellulosic material in a sulphurous acid solution of a soluble salt containing a barium salt in sufficient proportion therein to precipitate an insoluble barium salt when SO₂ is released therefrom, and releasing SO₂ from the solution during digestion to cause such precipitation.

1,735,015. METHOD OF AND APPARATUS FOR THE PRODUCTION OF CELLULOSE PULP. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Aug. 23, 1926. Serial No. 301,578. 6 Claims. (Cl. 92-7.)

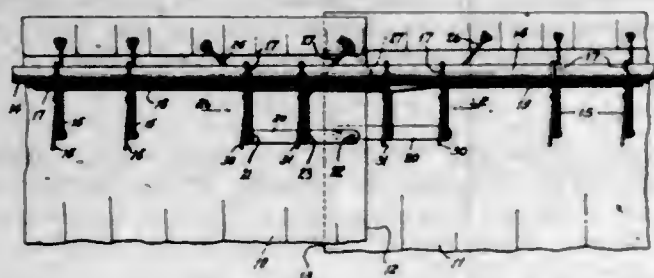


6. Apparatus of the class described, comprising in combination, a pulp digester, a screen at the bottom of said digester, a pump for continuously removing screened liquor from said digester, an indirect heater through which said liquor may be passed from said pump, a pump for recirculating liquor delivered from said heater through said heater at higher velocity than from said first-mentioned pump, and means for passing liquor delivered from said heater to the top of said digester.

1,735,016. DRAW-OVER MASTER HEADING HOOK. DICKRAN M. SARKISIAN, Forest Hills, N. Y. Filed Oct. 17, 1928. Serial No. 312,985. 7 Claims. (Cl. 156-21.)

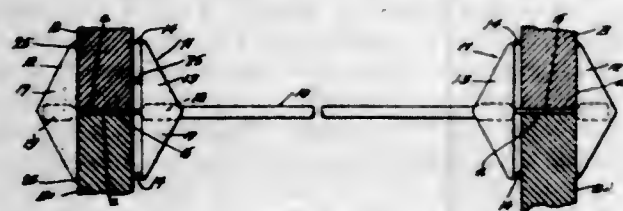
1. A master heading hook for curtains, comprising a bar member adapted to be secured to a curtain, and a pair

of wires secured thereto and extending upwardly therefrom, said wires being bent in opposite directions, the one to



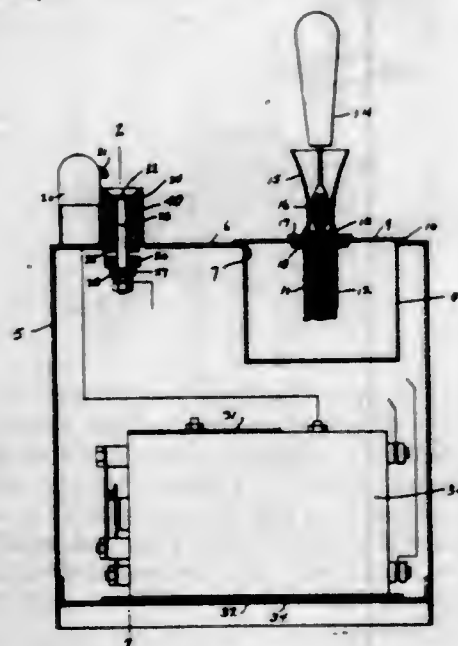
overhang beyond an end of the bar and the other a portion of the said bar, and each wire having also means for mounting the hook on a suitable support.

1,735,017. CONCRETE-FORM TIE AND SPACER. DAVID BAKER SMITH, Los Angeles, Calif. Filed Nov. 21, 1927. Serial No. 234,587. 10 Claims. (Cl. 25—131.)



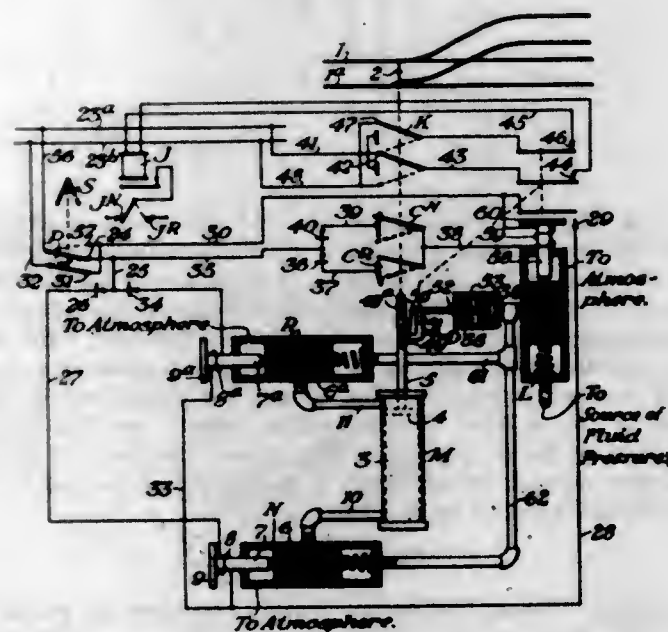
1. A device of the character described, embodying a rod adapted to extend across a concrete form and having a part adapted to pass between adjacent edges of abutting form boards, and a board engaging head formation embodying a member in a plane at substantially right angles to the rod and located on the rod near an end of said part, said member presenting an arcuate shoulder extending angularly from said rod and substantially in the vertical axial plane thereof and comprising portions extending longitudinally an appreciable distance along the opposite sides of the rod from said shoulder away from said part.

1,735,018. LIGHTING DEVICE. JOSEPH L. SMITH, Buffalo, N. Y., assignor to De Luxe Electric Lighter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 3, 1925. Serial No. 54,387. 4 Claims. (Cl. 175—296.)



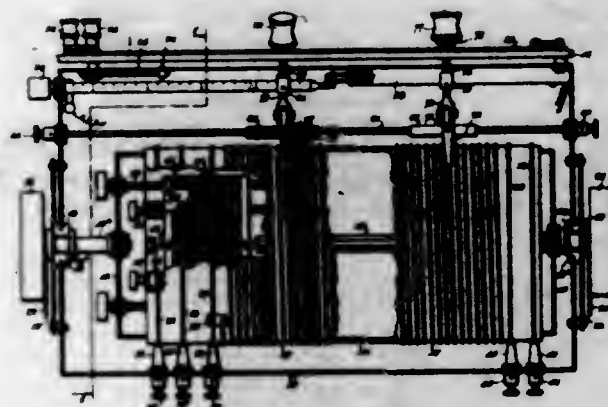
1. A lighting device, associated with primary and secondary circuits, comprising a movable, secondary circuit electrode, a primary circuit switch actuated by the movable electrode, a stationary, secondary circuit electrode, and a torch element adapted to operate said movable electrode to close said switch.

1,735,019. APPARATUS FOR CONTROLLING RAILWAY SWITCHES. JAMES E. SPERR, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1927. Serial No. 216,370. 4 Claims. (Cl. 246—140.)



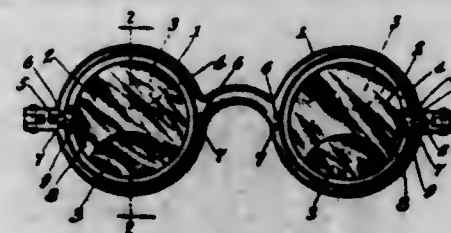
1. In combination a railway switch, two normally de-energized magnets, one for causing said switch to move to normal position and the other for causing it to move to reverse position, two asymmetric units, a circuit for one magnet including one of such units, and a circuit for the other magnet including the other unit.

1,735,020. TUNING COIL. ROBERT JULIUS JOHANSSON STARR, Briercrest, Saskatchewan, Canada. Filed Apr. 29, 1926, Serial No. 105,587, and in Canada Mar. 29, 1926. 12 Claims. (Cl. 171—119.)



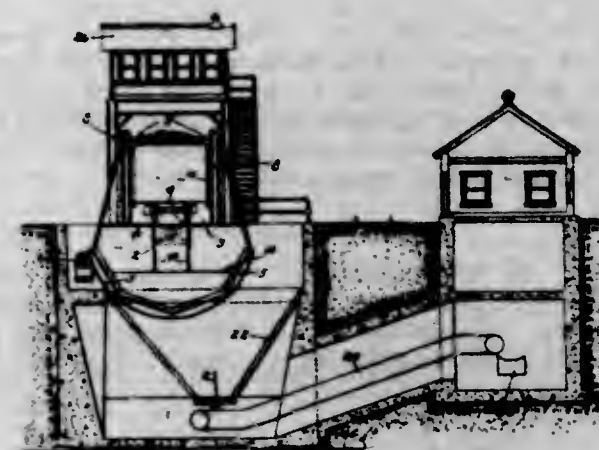
1. A tuning coil which comprises a rotatable form, a coil of wire mounted thereon in a spiral fashion, a slidable contact finger bearing on the wire, suitable support for the contact finger, means whereby rotation of the form will cause an automatic continuous and unbroken sliding contact of the finger with and along the wire as well as an automatic sliding motion of the contact finger along its support in a straight line across the turns of the coil, and means for manually sliding the contact finger on its support in a straight line across the turns of the coil in contact with the coil.

1,735,021. BIFOCAL SPECTACLES. VICTOR A. STEWART, New York, N. Y. Filed May 15, 1925. Serial No. 30,412. 3 Claims. (Cl. 58—41.)



1. Spectacles having a frame including a rim, a rider rotatably mounted within said rim and supporting a lens of the bi-focal type, said rider and frame having parts engaging to form a snap fastening device for holding the reading glass portion of the lens in raised or lowered position.

1,735,022. CAR-DUMPING DEVICE. JOSEPH B. STRAUSS, Chicago, Ill. Filed Apr. 4, 1921. Serial No. 458,517. 2 Claims. (Cl. 214—52.)



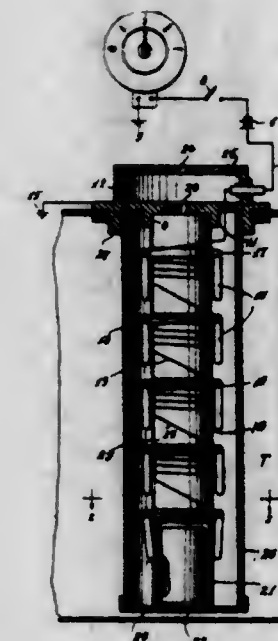
1. A car dumper comprising two fixed end frames, a movable frame intermediate the end frames, said movable frame comprising two longitudinal girders connected to transverse girders at their ends, a railway floor carried by said longitudinal girders and projecting laterally on each side of said girders, side members projecting upwardly from said laterally projecting portions of said floor, said floor adapted to carry a car, cantilevered trunnions below the level of the railway floor associated with said movable frame and fixed frames, and operating mechanism for rotating the movable frame to dump the car, screw threaded shafts located in the interior of said upwardly projecting side members, sliding members in said side members operatively connected with said screw threaded shafts and clamps connected with said sliding members, screws for controlling the clamping device, said screws located in the side members so as to be covered and protected thereby.

1,735,023. LIQUID-MEASURING DEVICE. LEO R. TITCOMB, Brooklyn, N. Y., assignor to Auto-Meter Co. Inc., New York, N. Y., a Corporation of Delaware. Original application filed Jan. 10, 1925, Serial No. 1,584. Divided and this application filed Apr. 4, 1928. Serial No. 267,261. 5 Claims. (Cl. 201—48.)

1. In electric current flow regulating means, an electric current resistance element, a tubular carrier of non-magnetizable but conducting material for said resistance element, contacts mounted on and insulated from said carrier

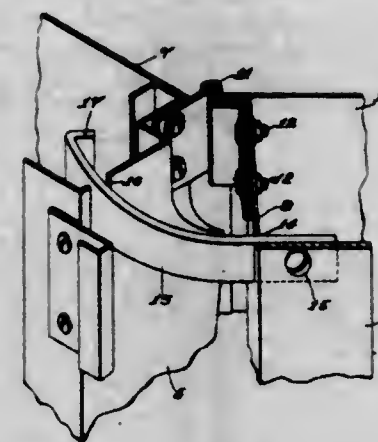
388 O. G.—24

and electrically connected to different portions of the resistance element, and a magnet movable within the tu-



bular carrier operative to attract the contacts to said carrier and close the circuit through different portions of the coil and carrier.

1,735,024. DOORCHECK. MILLARD H. TONCRAV, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 10, 1927. Serial No. 160,202. 3 Claims. (Cl. 16—82.)

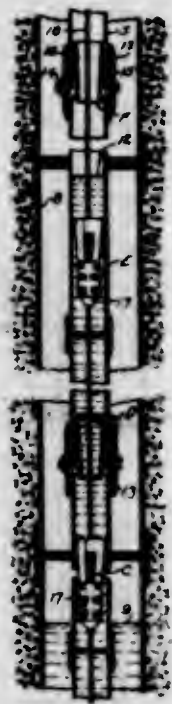


1. In a vehicle body, in combination, a door post, a door, a hinge connecting said parts, one of said parts being hollow and having an opening in its wall, a rigid arm rigidly secured to the other of said parts and constructed and arranged to move freely in said opening, and a stop device carried by said arm and adapted to engage the wall of said hollow part adjacent said opening when the door is fully opened to limit the opening movement thereof.

1,735,025. PUMPING APPARATUS. ELMER A. WATTS, Springfield, Ohio. Filed Jan. 17, 1927. Serial No. 161,516. 8 Claims. (Cl. 103—231.)

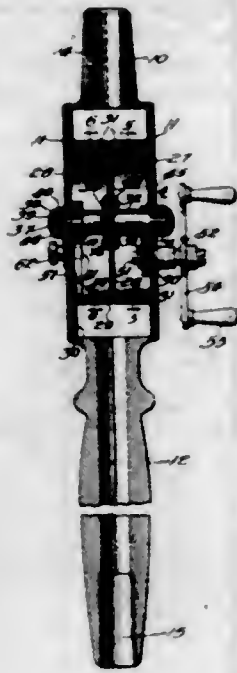
1. In combination, a casing, a tubing, means for applying air to said casing, means for admitting air from said casing to the interior of said tubing at intervals in said

tubing, a cable passing through said tubing, gravity operated valve closing members for closing the passageways



admitting air from the casing to the tubing, valve lifters carried by said cable for successively operating said valve closing members.

1,735,026. FISHING REEL. JACK T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed June 16, 1927. Serial No. 199,232. 8 Claims. (Cl. 43—20.)

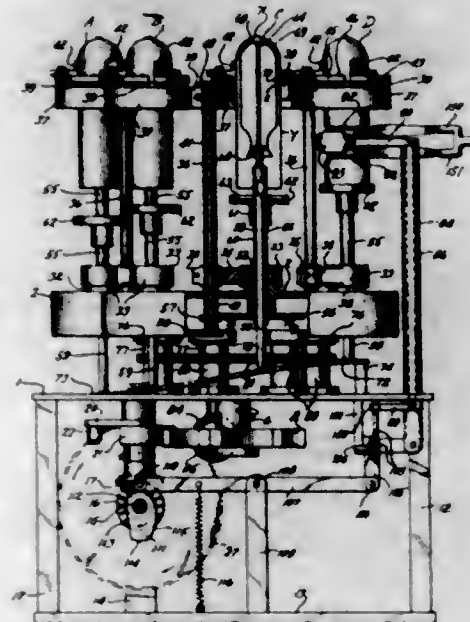


8. A combined reel housing and grip consisting of two similar complementary parts transversely connected and providing between them a reel chamber, a driving mechanism rotatably mounted on one part, a click mechanism mounted on the other part, and a reel having a shaft extending between the two parts and freely detachable therefrom when the parts are separated.

1,735,027. APPARATUS FOR PRODUCING DOUBLE-WALLED GLASS CONTAINERS. MINER P. WETMORE, Norwich, Conn., assignor to The American Thermos Bottle Company, Norwich, Conn., a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 173,655. 30 Claims. (Cl. 49—7.)

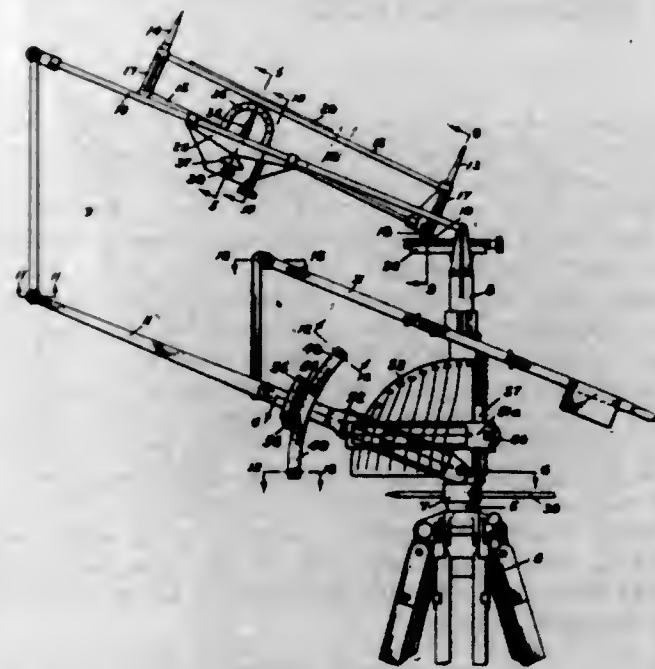
18. In apparatus for producing double-walled glass containers, the combination of a vertical rod adapted to sup-

port an inner cylinder in inverted position, means carried by said rod to engage the lower end or neck of said cylinder and thereby hold the latter against side movement, a chuck arranged to hold an inverted outer cylinder concentrically over the inner cylinder, means for simultaneously rotating said rod and chuck at the same speed,



whereby the inner and outer cylinders rotate as a unit about their common vertical axis, and means for applying heat to the outer cylinder until the same is fused to the lower end of the inner cylinder, the two cylinders being rotated during the fusing operation so as to form a sealed annular joint at the neck.

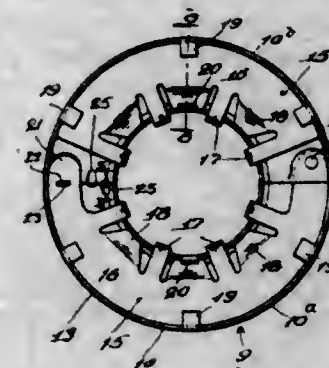
1,735,028. DATA COMPUTER. WILLIAM P. WILSON, Detroit, Mich. Filed Aug. 22, 1927. Serial No. 214,700. 14 Claims. (Cl. 235—61.5.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



1. A computing apparatus embodying a parallelogram frame, a spindle rotatable within the fixed link of the frame, a direction rod on the spindle, a guide on the spindle parallel to the rod, universal coupling members slidable on the frame and on the guide, a sight base supported by the universal coupling members, means for displacing the frame coupling an amount corresponding to the range, means for displacing the guide coupling an amount corresponding to speed, means associated with

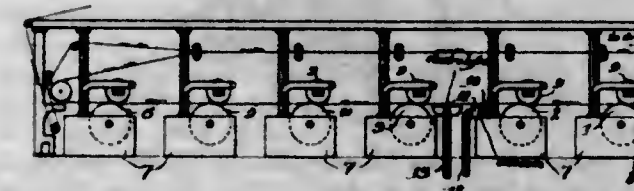
the frame coupling for indicating the amount of lateral and vertical displacement of the sight base with respect to the frame, means associated with the frame for determining the angle of super-elevation and means for combining the angle of super-elevation and the vertical displacement angle of the sight base.

1,735,029. FLOOR AND CEILING PLATE. LOTHAR R. ZIFFERER, Columbia, Pa. Filed Apr. 2, 1928. Serial No. 266,845. 10 Claims. (Cl. 126—317.)



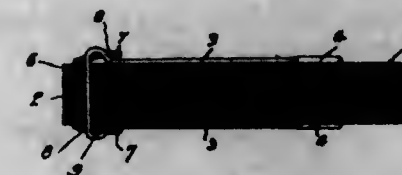
2. The combination of a body portion composed of two companion halves and means for securing said halves together, of two arcuate spring plates secured upon the rear side of said body portion and formed with resilient fingers, the free ends of which are disposed in a circular line.

1,735,030. METHOD FOR MAKING WATERPROOF PAPER BOARD. EDMUND BACHM, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a Corporation of Minnesota. Filed Nov. 8, 1926. Serial No. 146,963. 6 Claims. (Cl. 92—41.)



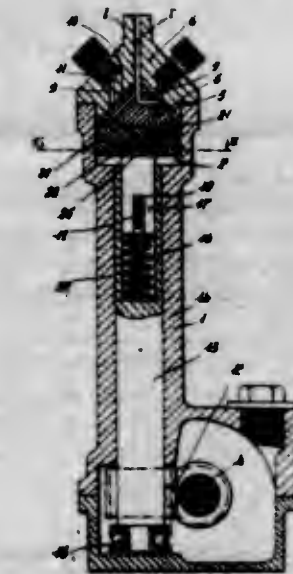
1. The method of making waterproof paper board which consists in first forming an unimpregnated portion of the board, then applying to the interior surface of said portion an emulsified waterproof material without an admixture of fibrous stock, then breaking down the emulsion without the application of heat to deposit the waterproof material upon the fibres in substantially natural state and subsequently drying the sheet.

1,735,031. LOOSE-LEAF BINDER. ROYDEN EUGENE BEERE, Jr., Burlington, Vt. Filed Mar. 8, 1927. Serial No. 173,702. 3 Claims. (Cl. 129—41.)



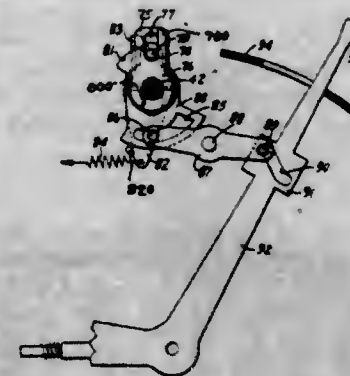
1. A loose leaf binder comprising a plurality of sheets having aligned perforations therein, a binding member extending through said aligned perforations, and an adjustable fastening member disposed on the binding member at each side of the sheets and being movable thereon for clamping the sheets therebetween, each fastening member being adapted to clamp the adjacent portion of the free end of the binding member to the sheets when the sheets tend to separate at their bound edges.

1,735,032. FUEL-SUPPLYING DEVICE. LOUIS HENRI LIBERT BELLEM, Asnieres, France. Filed Jan. 25, 1927. Serial No. 163,483, and in France May 28, 1926. 7 Claims. (Cl. 123—138.)



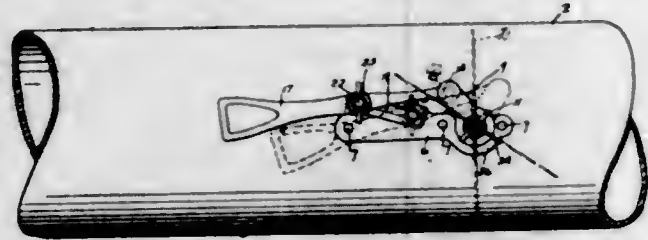
1. Fuel distributing device for multi-cylinder engines comprising, in combination, a fixed seat, a rotary slide-valve applied against said seat, a shaft driven from said engine, coupling means between said shaft and said slide valve for rotating said slide valve whilst permitting said slide valve to rock relative to said shaft, said valve having a channel always connecting with a fuel delivery duct in said seat and successively registering with passages in said seat which respectively communicate with the cylinders of said engine.

1,735,033. CASH REGISTER. FRIEDRICH W. F. BERGER, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Mar. 5, 1927. Serial No. 173,178, and in Germany Mar. 11, 1926. 21 Claims. (Cl. 235—27.)



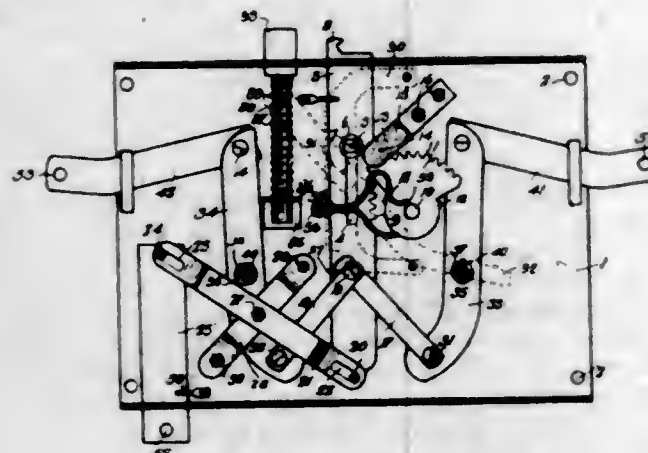
4. In a machine of the class described, having a plurality of rows of depressible keys; and means associated with each row of keys to detain the operated keys in depressed positions; of a sectional key locking and releasing mechanism shiftable in one direction to a position to lock the detaining means against movement, and in another direction to another position to actuate the detaining means to release the depressed keys; a coupling to connect the sections of the key locking and releasing mechanism; and means to render the coupling ineffective in one of its directions of movement.

1,735,034. DAMPER CONTROL. FRANK HERBERT BRYANT, Mill Valley, Calif. Filed Oct. 13, 1928. Serial No. 312,654. 6 Claims. (Cl. 126-295.)



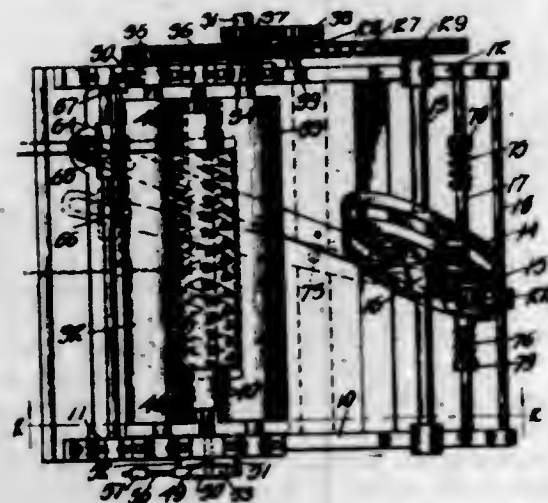
1. In combination, a pipe, a damper journaled therein, a longitudinally slotted member fixed to the outside of the pipe in proximity to the damper journal, an arm for operating the damper on the outside of the pipe, and an operating member for the arm guided in said slot.

1,735,035 LOCK. SEHEIN MOHAMED BULMENI, Buenos Aires, Argentina. Filed Feb. 2, 1926. Serial No. 85,558. 1 Claim. (Cl. 70-74.)



A lock of the class described comprising in combination a casing, a bolt slidably mounted in said casing, said bolt being provided on one of its edges with teeth and a pair of spaced notches on its opposite edge, a toothed segment pivotally secured to said casing, said segment being adapted to reciprocate said bolt, means for engaging said notches selectively to hold said bolt in its locked or open position, and a key operating means for simultaneously rotating said segment and releasing said holding means.

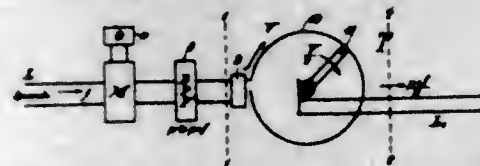
1,735,036. BALLING MACHINE. JAMES JONATHAN CALDWELL, Chickamauga, Ga., assignor to Standard-Coosa-Thatcher Company, Chattanooga, Tenn., a Corporation. Filed June 30, 1928. Serial No. 289,433. 4 Claims. (Cl. 28-26.)



1. In a balling machine a frame, a pair of parallel cylinders rotatably mounted thereon, a spool mounted

above said cylinders and adapted to rest upon and be rotated thereby, a bracket having mounted thereon thread carrying trumpets for laying thread along said spool, a pivoted lever supporting said bracket, a shaft supported by the frame of the machine, a pair of wheels mounted obliquely upon said shaft and spaced apart to provide a cam track between their peripheries, and a cam follower upon said lever adapted to engage between the said wheels whereby rotation of said cam will reciprocate said thread carrying trumpets longitudinally of said spool to lay the thread upon the spool, substantially as set forth.

1,735,037. METHOD OF AND APPARATUS FOR REDUCING WIDTH OF TRANSMISSION BANDS. ALLEN CARPE, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 12, 1926. Serial No. 128,789. 20 Claims. (Cl. 178-44.)



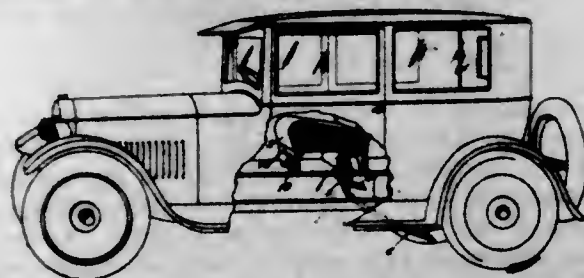
8. In a transmission system, a transmitting station, means for reducing the width of a band of signaling frequencies comprising a source of signals to be transmitted, means for modulating the signal to a carrier frequency, and means for interrupting the modulated carrier wave at a frequency substantially below the carrier frequency.

1,735,038. BATTERY TERMINAL. THOMAS COTTER and THOMAS FRANCIS GRIGGS, Evansville, Ind. Filed Feb. 18, 1927. Serial No. 169,375. 2 Claims. (Cl. 173-259.)



1. A battery terminal comprising a clevis having a solid back and provided with ring-shaped jaws which receive the battery post, said clevis having an opening extending through its solid back, a ring-shaped clamp adapted to receive the battery post and slidable between the jaws of the clevis, said clamp having a screw-threaded shank slidable through the solid back of the clevis, a clamping nut carried by said screw-threaded shank and adapted to bear on the solid back of the clevis when the nut is tightened, thereby to cause the clevis and clamp to grip the battery post, said shank having a cavity in its end adapted to receive the end of an electric conductor, a split, tapered ring received within said cavity and adapted to surround the conductor end, and a nut carried by the screw-threaded shank and adapted to force the split, tapered ring within the cavity.

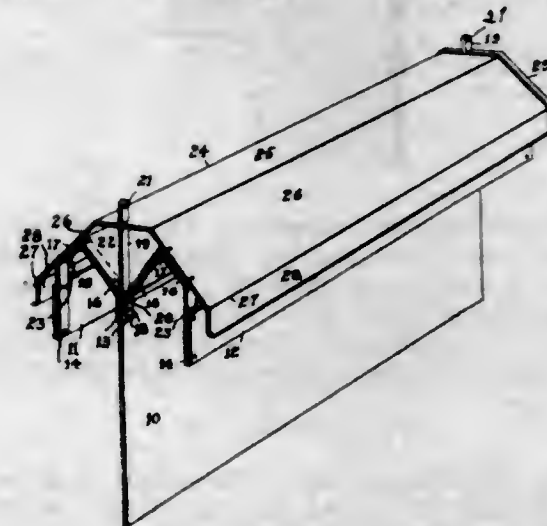
1,735,039. SANDING DEVICE. WILLIAM J. CROSS, Ann Arbor, Mich. Filed Mar. 7, 1929. Serial No. 345,095. 5 Claims. (Cl. 291-28.)



5. A sanding device comprising a hopper having discharge openings, blocks normally closing the openings,

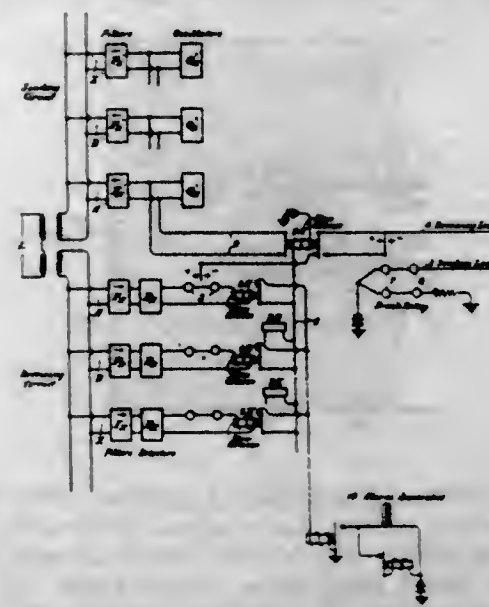
chutes below the hopper, said blocks having pins carried thereby for engagement in the openings to prevent clogging thereof, and means for swinging the blocks to open position to permit discharge of sand from the hopper through the openings into the chutes.

1,735,040. ADVERTISING SIGN. CHARLES H. FREDERICK, Beaver Falls, Pa., assignor to Ingram-Richardson Manufacturing Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Mar. 19, 1928. Serial No. 262,637. 1 Claim. (Cl. 40-130.)



In a sign, pairs of frame members at each end thereof, each member comprising a central vertical pendant leg, a laterally, and upwardly converging sections having their lower ends united to the said legs respectively, a central advertising plate secured between the two central legs of each pair of members, a lateral advertising plate attached to the lateral legs of the members, a hood covering the plates and having upwardly converging portions attached to some of the said sections of the frame members, downwardly converging plates attached to the remaining of said sections, lamps supported by the last named plates and projecting in the spaces above the advertising plates, and reflector members arranged beyond the lateral plates so as to reflect light from the lamps upon the exterior faces of the lateral plates, there being spaces for light between the hood and the upper edges of the lateral plates.

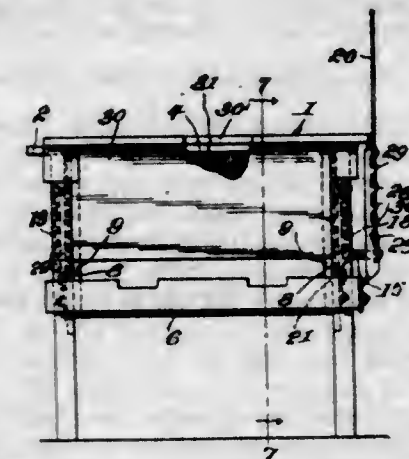
1,735,041. CARRIER-TELEGRAPH ALARM SYSTEM. FRED G. GARDNER, Hoboken, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 6, 1928. Serial No. 259,530. 5 Claims. (Cl. 178-69.)



1. A carrier telegraph system comprising a line circuit, a plurality of receiving channels associated with said line

circuit, relay means in each of said receiving channels normally in an operated state, a circuit under the joint control of all of said relay means, and an alarm system controlled by said circuit.

1,735,042. EGG-CRATE-FILLING APPARATUS. LOREN L. GILLESPIE, Hopkins, Mo. Filed July 27, 1928. Serial No. 295,765. 3 Claims. (Cl. 226-14.)



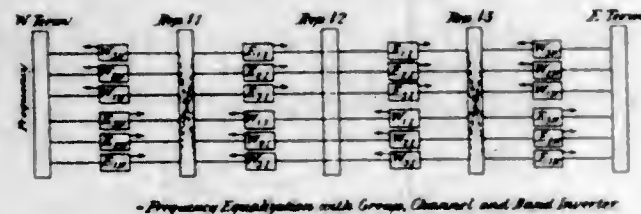
1. In apparatus for filling egg crates or the like, a filling form having a vertically movable bottom adapted to receive fillers of eggs in a step by step lowering movement, so as to stack them in the filling form, means providing said step by step lowering movement, said means also providing for full upward movement of said vertically movable bottom through a distance substantially equal to the depth of a standard egg crate, said means comprising a vertically movable frame for supporting and moving said bottom, said filling form having vertical slots in its ends for the passage of the frame, a support for said filling form having guides for the vertically movable frame, a double armed or U-shaped lever pivoted to the support, links connecting the ends of the lever arms with the lower ends of the said frame, an operating hand lever rigidly secured to the U-shaped lever for swinging the same about its pivot to cause the lever arms to act on the links which act on the frame to raise and lower the frame and the movable bottom of the filling form, and a ratchet member on the support adapted to cooperate with the said hand lever in the step by step downward movement and to hold the frame in adjusted position.

1,735,043. HAND POCKETBOOK AND BAG. SAMUEL R. GOLDSMITH, Brooklyn, N. Y. Filed Nov. 12, 1923. Serial No. 318,679. 7 Claims. (Cl. 150-30.)



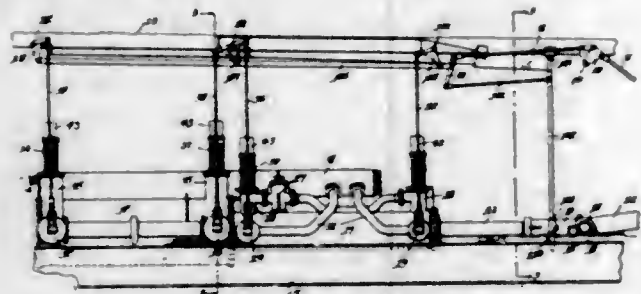
2. An article of the character described comprising an enveloping structure having front and rear upturned interconnected sections, gussets secured between adjacent edges of said front and rear sections to form a pocket, a flap section extending from the rear section down-folded over the front section to form a closure for the pocket, the upper ends of the gussets being asymmetrically shaped and extending up into the fold of the pocket closure to provide an obstruction for sealing the pocket closure joint, said gusset ends having stiffening reinforcing means extending beyond the upper edge of the front section and terminating below the fold of the pocket closure.

1,735,044. FREQUENCY-EQUALIZATION CARRIER SYSTEM. ESTILL I. GREEN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 22, 1927. Serial No. 228,021. 11 Claims. (Cl. 179-15.)



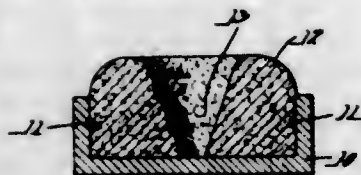
1. In a carrier system comprising a plurality of frequency bands normally arranged in a given order in the frequency spectrum for transmitting in one direction, a corresponding number of bands also normally arranged in a given order for transmitting in the opposite direction, the method of equalization with respect to frequency, which consists in transmitting the bands in both directions in normal relation over a portion of the transmission circuit, inverting the order in the spectrum of the bands transmitting in one direction, inverting the order of the bands transmitting in the opposite direction, inverting the order of the individual frequencies in each band, transposing the two sets of bands transmitting in opposite directions so that each set occupies substantially the frequency space normally allotted to the other, and transmitting the bands thus inverted and transposed over another portion of the transmission circuit.

1,735,045. VALVE GEAR. EMIL GRIESHABER, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 19, 1927. Serial No. 220,407. 10 Claims. (Cl. 121-168.)



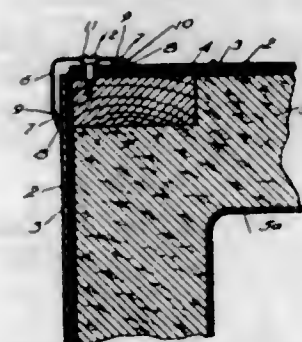
1. The combination of a steam engine including a cylinder, piston, cross head, connecting rod, and crank; an inlet valve for said cylinder; an oscillating member; a latch for connecting and disconnecting said valve to and from said oscillating member; means for tripping said latch; a pair of reach rods extending approximately parallel with the axis of said cylinder; driving connections from one of said reach rods to said oscillating member and from the other of said reach rods to said latch tripping means, said driving connections extending in directions substantially perpendicular to the axis of the cylinder; and means for driving said reach rods in timed relations with said engine.

1,735,046. FINGER MOISTENER. CARL C. HARRIS, Orange, Mass. Filed May 23, 1928. Serial No. 280,003. 4 Claims. (Cl. 91-54.4.)



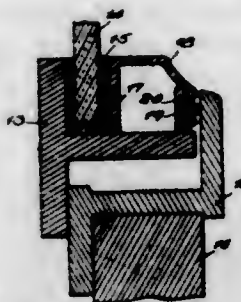
1. As an article of manufacture, a finger moistener comprising a sponge rubber element having an unobstructed opening extending down into its top surface for receiving water and furnishing a convenient surface accessible from the top for contact with the fingers of the user.

1,735,047. CORNER STRUCTURE. WALTER H. KNOBLOCH, Erie, Pa., assignor to Erie Art Metal Company, Millersburg Township, Erie County, Pa., a Corporation of Pennsylvania. Filed July 3, 1928. Serial No. 290,235. 3 Claims. (Cl. 220-9.)



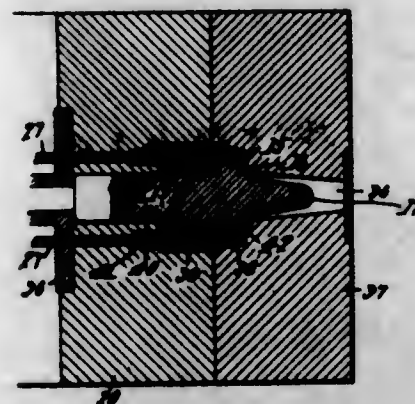
2. A corner structure comprising wall plates extending from the corner; and a corner strip of angle form in cross section overlapping the wall plates, the strip being folded back upon itself at its edges and the fold edges beveled and seated upon the faces of the wall plates, said corner strips having countersunk openings and screws in the openings.

1,735,048. WEATHER-STRIP SUPPORT. GEORGE LASKE, Chicago, Ill. Filed Apr. 17, 1929. Serial No. 355,814. 15 Claims. (Cl. 189-65.)



1. In a window and door construction, a glazing bead having a projecting member providing a holding support for a weather strip.

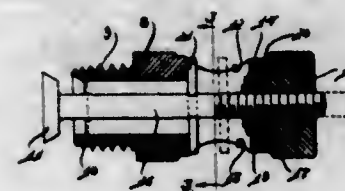
1,735,049. CASTING APPARATUS FOR LAMINATED ROTORS. NATHAN LESTER, Worcester, Mass., assignor to P. & R. Tool Company, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 17, 1928. Serial No. 306,412. 7 Claims. (Cl. 22-203.)



1. In a device for casting a laminated rotor, the combination with a pair of die members constituting a mold, one of them having a cylindrical cavity for receiving and fitting the metal laminations of the rotor, an annular groove communicating therewith for receiving the metal to form the end of the rotor and a passage through the center, of an arbor fitting in said passage and fitting the interior

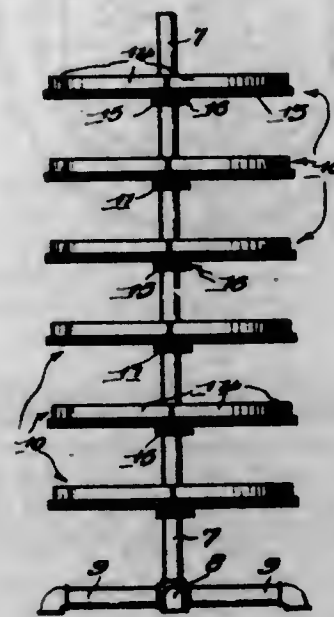
of said laminations, such passage being spaced from the groove, the arbor being provided with a hub on the opposite end projecting over the edge of the end plate and having grooves in its opposite shoulder for allowing the metal to pass through, the other die member having an annular groove extending to said shoulder for receiving the metal to form the opposite end of the rotor and provided with a sprue space, the shoulder and this die member touching each other along a circle with said grooves passing under the circle, and the arbor having a conical projection into the sprue space, whereby the sprue can be cut off easily around said circle after the casting is made.

1,735,050. OUTLET-CONTROL VALVE. EDWARD N. McCOMB, Detroit, Mich. Filed Mar. 19, 1928. Serial No. 262,609. 5 Claims. (Cl. 251-45.)



4. An outlet valve of the class described, comprising: a cup-shaped shell having a valve seat formed at its open end and provided with lateral openings adjacent its closed end; a valve for seating on said seat; a stem on said valve projected axially of said shell and through the base thereof, said stem adjacent its free end being threaded; a pin projecting diametrically outwardly from said stem at opposite sides thereof and engaging in said openings; a nut threaded on said stem; a reduced portion on said nut engaging in an opening formed in the base of said shell; a washer positioned within said shell and embracing said neck, said neck being doubled over on said washer, said nut being rotatable relatively to said shell and immovable axially thereof.

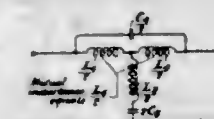
1,735,051. TEST-BOTTLE HOLDER FOR CREAMERIES. CHRIST MCE, Minneapolis, Minn. Filed Sept. 19, 1927. Serial No. 220,551. 1 Claim. (Cl. 211-129.)



In a holder for a multiplicity of bottles, a central standard and a plurality of independently revoluble units mount-

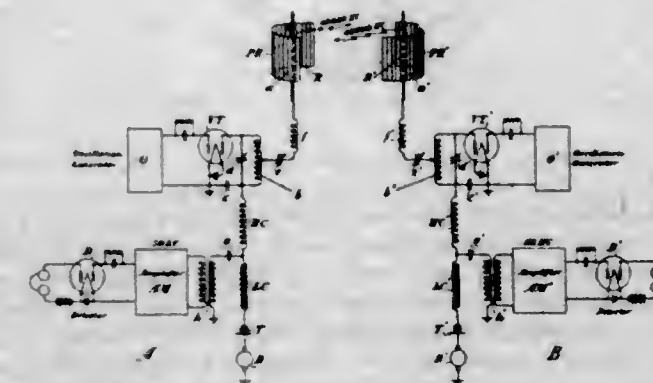
ed one above another on said standard, each of said units comprising a pair of concentric, circular and horizontally disposed angle bars, the bars of each pair having horizontal flanges extending toward each other and in spaced parallel relation and upright flanges on the bars of each pair forming annular guide channels between them for supporting bottles or the like.

1,735,052. PHASE-COMPENSATING NETWORKS. HARRY NYQUIST, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Feb. 25, 1926, Serial No. 90,656. Divided and this application filed Aug. 5, 1927. Serial No. 210,946. 8 Claims. (Cl. 178-44.)



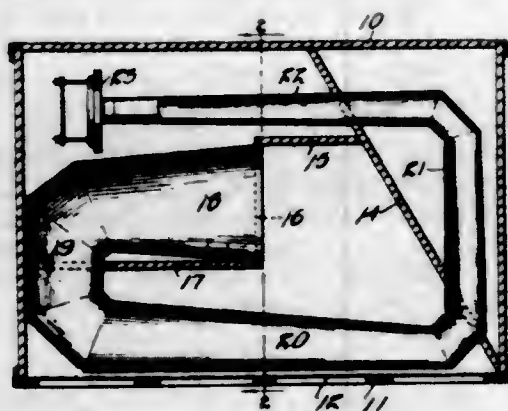
1. In combination, a transducer giving different relays for different frequencies over a certain frequency range and a delay compensator consisting of bridged-T network sections.

1,735,053. RADIO SIGNALING SYSTEM. RUSSELL S. OHL, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 23, 1925. Serial No. 58,164. 1 Claim. (Cl. 250-11.)



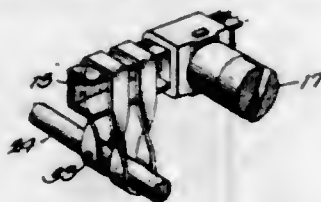
A system for signaling between two stations, in which each station includes, in combination, a low frequency oscillator, a vacuum tube system having a grid circuit and a plate circuit, said vacuum tube system being employed for locally producing a predetermined harmonic of the current of said oscillator of a frequency suitable for transmission through space, a source of voice frequency signals connected to the plate circuit of the vacuum tube system and modulating the high frequency oscillations derived therefrom, a parabolic reflector coupled to the plate circuit of the vacuum tube system, said parabolic reflector being employed for transmitting as a polarized beam said high frequency oscillations modulated by said voice frequency signals, said parabolic reflector also receiving from a distant station a similar polarized beam of different high frequency oscillations modulated by voice frequency signals, said received high frequency oscillations modulated by voice frequency signals and said locally generated high frequency oscillations produced by the vacuum tube system being beaten together in the plate circuit of the vacuum tube system so as to produce oscillations of an intermediate frequency well above the range of audibility and which is modulated by the received voice frequency signals, means for amplifying the intermediate frequency and its modulated voice frequency signals, and means for detecting said received voice frequency signals.

1,735,054. SOUND AMPLIFIER. ORVAL R. PLATTER, North Vernon, Ind. Filed Oct. 3, 1927. Serial No. 223,721. 5 Claims. (Cl. 181-27.)



1. A loud speaker comprising a cabinet open at one side, a plurality of upright partition members forming an amplifying chamber, and a sound receiving tube extending from one side of said amplifying chamber around the cabinet through said partition members, substantially as set forth.

1,735,055. BRAKE GEARING FOR RAILWAY CARS. HERMAN C. FRIEBE, Blue Island, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 7, 1926. Serial No. 107,378. 3 Claims. (Cl. 188-205.)



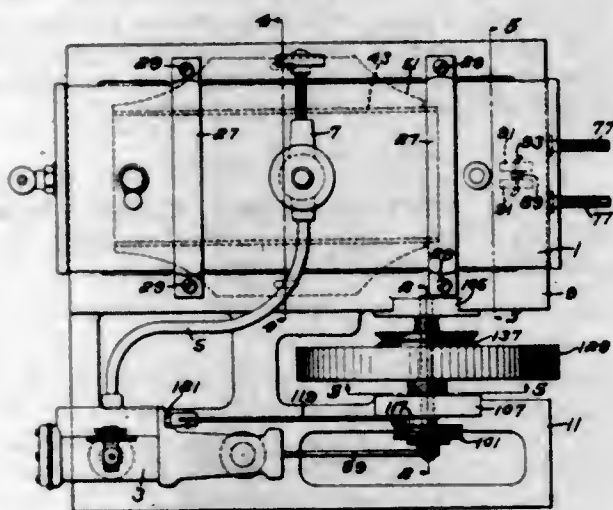
1. Suspending means for the connecting rod that unites the lower ends of live and dead brake levers comprising a flat bar and including a downwardly-facing upper loop and an integrally formed upwardly-facing lower loop below said downwardly facing loop, said bar being twisted intermediate said loops whereby said upper loop presents a broad surface to engage a supporting brake beam element and said lower loop presents a broad surface to engage the connecting rod extending transversely of said brake beam element.

1,735,056. CLOSURE DISK AND SECURING MEANS THEREFOR. LEON T. RICHEY, Huntington, W. Va., assignor of one-half to Alfred S. Doty, Ashland, Ky. Filed Sept. 22, 1928. Serial No. 307,807. 2 Claims. (Cl. 220-40.)



1. In a structure of the character described, a body formed with an opening, annular flanges projecting from the walls of said opening to form an interrupted ledge spaced from the outer end of the opening, a cap fitting into said opening against said ledge and rotatable therein and having its central portion extended to form a hub, the said flange fitting snugly about the hub and the face of the hub being formed with a groove constituting a seat, and a strip extending through said groove and secured therein with its end portions projecting from the hub to form arms adapted to pass through the ledge between the ends of said flanges and engage against the inner faces of the flanges to secure the cap when the cap is turned a partial rotation in the opening.

1,735,057. TOY STEAM ENGINE. WILLIAM RITCHIE, New Bedford, Mass., assignor to Weeden Manufacturing Co., New Bedford, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1925. Serial No. 74,142. 10 Claims. (Cl. 219-38.)



1. A toy steam engine having in combination, a frame having an open top and bottom, a boiler substantially closing the top of said frame, an electrical resistance heating element adjacent the under side of said boiler, and a shield of heat insulating material closing said frame below said heating element.

1,735,058. GYROSCOPIC APPARATUS FOR EXTENDING THE PERIOD OF OSCILLATION OF BODIES. MAX SCHULER, Gottingen, Germany. Filed Aug. 28, 1924. Serial No. 734,327, and in Germany Aug. 29, 1923. 1 Claim. (Cl. 74-78.)

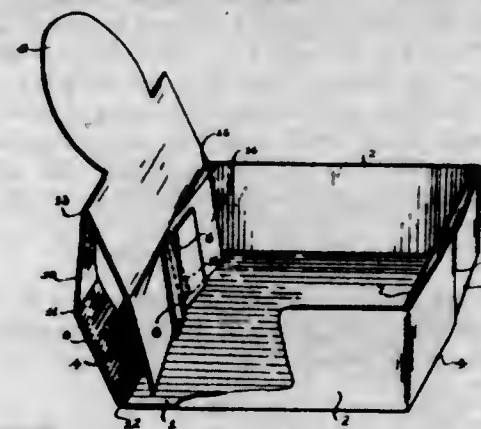


Means for extending the period of oscillation of a pendulum comprising three equal gyroscopes having horizontal axes of rotation and resiliently mounted for turning relative to each other about vertical axes, said horizontal axes normally spaced at 120 degrees from each other, the rotation vectors of said gyroscopes traversing a triangle in the same direction.

1,735,059. DISPLAY BOX. JOHN P. SHEARER, Newark, N. Y. Filed June 13, 1927. Serial No. 198,389. 3 Claims. (Cl. 206-44.)

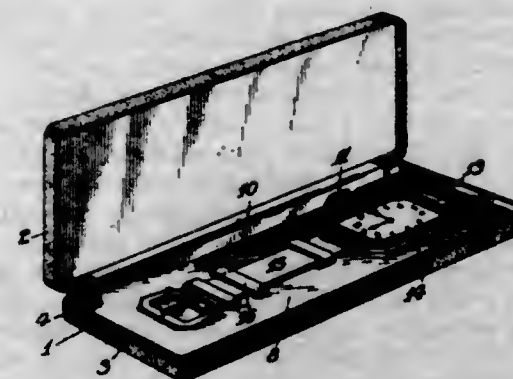
1. A display box comprising a box body, a display member, a support to which said display member is hinged, and

means on the box body for producing a transverse bending of the hinge between the support and the display member



at a point between the ends of the hinge to give said display member a normal tendency to remain in display position.

1,735,060. WRIST-WATCH BOX. JOHN M. SHIELDS, Chicago, Ill., assignor to F. H. Noble & Company, Chicago, Ill., a Corporation of Illinois. Filed July 12, 1928. Serial No. 292,047. 4 Claims. (Cl. 206-75.)



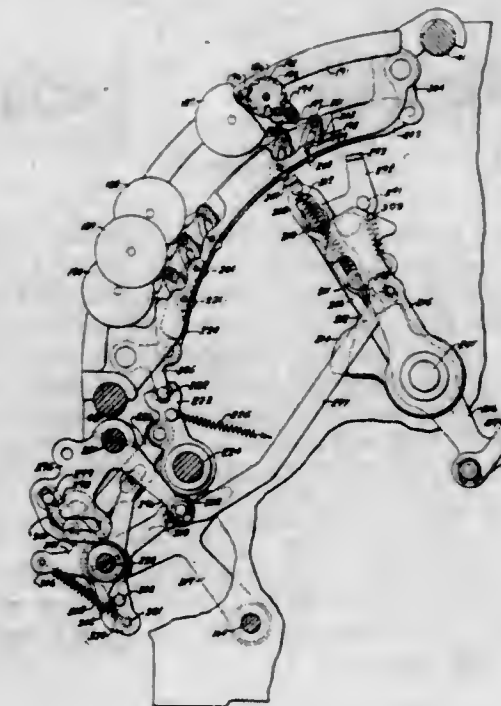
3. A container for wrist watches and like articles including a box body and a false bottom structure therein including a false bottom member cut out along its central region and an orificed fabric cover member providing a strap receiving pocket, an orificed opening provided by said fabric member being situated adjacent the outer end of the cut out opening of the false bottom member, whereby the wrist watch arranged in said box will rest upon the upper face of the fabric member opposite the cut out opening in the bottom member and will be cushioned thereby and the perforated section of the strap will be received within said pocket underneath said fabric member to constrain the watch against movement when handled or during shipment.

1,735,061. DISPLAY PAD FOR JEWELRY BOXES AND THE LIKE AND METHOD OF FORMING THE SAME. JOHN M. SHIELDS, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 14, 1929. Serial No. 385,848. 4 Claims. (Cl. 206-75.)



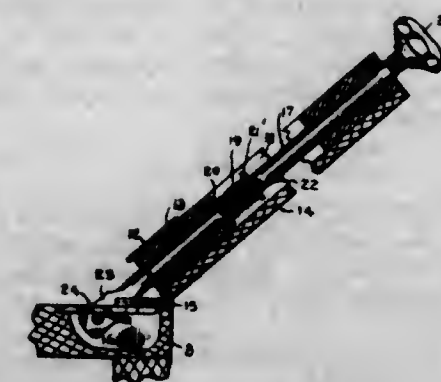
1. A display pad for jewelry boxes and the like comprising a body member, a central facing superposed on said body member, a border facing and a border frame member, the inner edges of the border facing being interposed between said body member and said border frame member and the material of such border facing extending over the top of said border frame member around the outer edges of both said border frame member and said body member and being cemented to the bottom face of said body member.

1,735,062. CASH REGISTER. BERNIS M. SHIPLEY, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Jan. 21, 1924. Serial No. 687,536. Renewed Aug. 3, 1928. 49 Claims. (Cl. 235-7.)



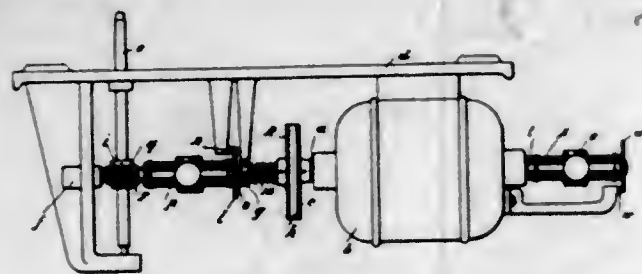
1. In an accounting device, the combination of a totalizer involving a plurality of totalizer elements, differentially movable actuators correlated with their respective totalizer elements, and means for shifting said totalizer elements with relation to the actuators to prevent actuation of certain of said elements while permitting actuation of the remainder of said elements by their respective actuators.

1,735,063. LOCK FOR BABY-CARRIAGE BACKS. ELIAS SPECTER, Brooklyn, N. Y., assignor of one-half to Bilt-Rite Baby Carriage Co., Brooklyn, N. Y., a Firm composed of Myer S. Harrison and Elias Specter, and one-half to Collier-Keyworth Co., Gardner, Mass., a Corporation of Massachusetts. Filed June 1, 1927. Serial No. 195,839. 6 Claims. (Cl. 280-47.)



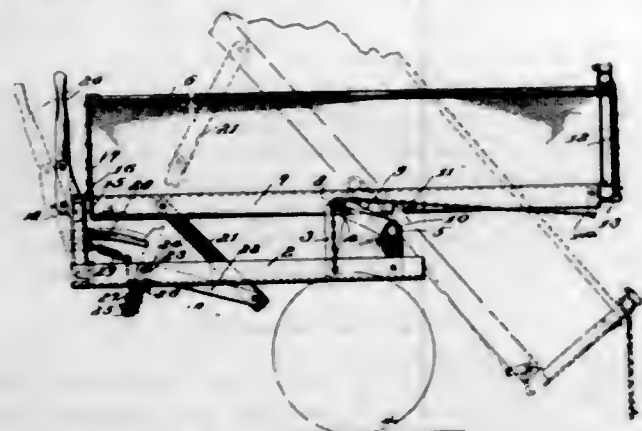
1. In a baby carriage back lock the combination of a back, a locking bar mounted through said back under constant upward spring tension, a cross frame, a locking plate mounted rigidly in said cross frame having a slot with two downturned guide plates bordering one end of said slot, a downturned lip terminating the opposite end of said slot, the lower end of said locking bar passing through said slot and a cross pin securing it in said slot, and a reinforcing plate rigidly secured to the inside lower edge of the back so as to project slightly therefrom and bind against the locking plate.

1,735,064. GRAMOPHONE DRIVE. ROBERT STEHLE, Feuerbach, Germany. Filed Nov. 30, 1926, Serial No. 151,727, and in Great Britain June 4, 1926. 2 Claims. (Cl. 192—104.)



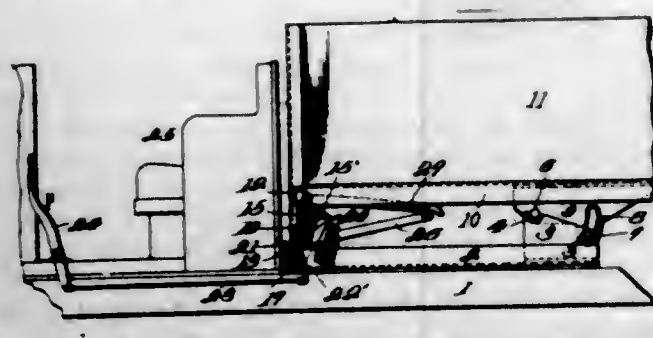
1. A driving mechanism for talking machines comprising a motor having an axially floating shaft, a driven shaft, a friction clutch operatively connecting said motor shaft and said driven shaft, a speed regulator on said motor shaft, weights on said regulator, a check plate operatively connected with said weights, a fixed check adapted to be engaged by said plate in a given position of said weights, a sleeve held against axial displacement on said motor shaft, and means connecting said weights and said sleeve.

1,735,065. AUTOMATIC DUMPING BODY FOR MOTOR VEHICLES. EDWARD F. WALSH and WILLIAM E. FOUST, Marion, Ind. Filed Mar. 17, 1924. Serial No. 699,749. 4 Claims. (Cl. 298—38.)



1. A motor truck comprising a chassis, a body mounted on said chassis and adapted to tilt automatically into an inclined position when loaded and return to horizontal position when unloaded, said body having a projection, means for holding said body in tilted position, a sectional lever engaging said projection for locking said body in horizontal position and a projection carried by one of the sections of said lever adapted to engage and release said holding means for allowing said body to return to horizontal position.

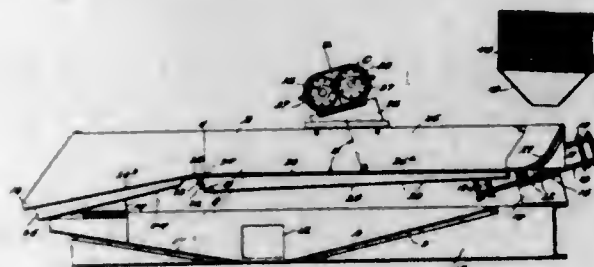
1,735,066. AUTOMATIC DUMPING BODY FOR MOTOR VEHICLES. EDWARD F. WALSH and WILLIAM E. FOUST, Marion, Ind. Filed Apr. 9, 1925. Serial No. 21,912. 10 Claims. (Cl. 298—38.)



1. The combination with a motor truck having a chassis, of a body pivotally mounted upon said chassis, a stiff leg

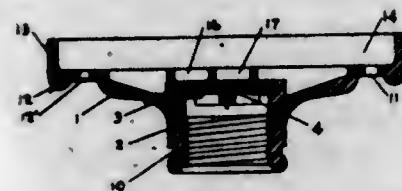
connecting said body to said chassis formed of a pair of pivotally connected sections, a support carried by said chassis, a support carried by said body adapted to engage the first mentioned support, a pivoted latch carried by the support of the chassis and adapted to engage the support of the body for locking said body in horizontal position, means for moving said latch out of engagement with said support, said latch being adapted to engage one of the sections of said stiff leg for breaking said stiff leg to allow said body to move into horizontal position.

1,735,067. SCREEN. WILLIAM STEVENSON WESTON, Columbia, S. C. Filed Sept. 7, 1926. Serial No. 134,043. 2 Claims. (Cl. 209—269.)



1. A vibrating screen for water carried material comprising a screen frame, an approximately horizontal screen plate therefor, a flume beneath said plate, said flume having openings at one of its ends, a second screen plate for said frame inclined at an angle to said first mentioned plate, means for directing water with material to be screened over said first plate, adjusting means for one of said openings to cause the water to submerge the material on the first plate and overflow onto the second plate, resilient means for supporting said screen for movement such that any given point on the screen moves in a right line, said line being forwardly inclined from a perpendicular to the upper surface of the first screen plate, and means to impart a vibrating movement to said frame and plates only along said line.

1,735,068. ELECTRIC-LIGHTING FIXTURE. ERNEST CANTELO WHITE, New York, N. Y., assignor of one-half to R. Fenton Fisher, Philadelphia, Pa. Filed Apr. 27, 1925. Serial No. 25,987. 2 Claims. (Cl. 240—85.)

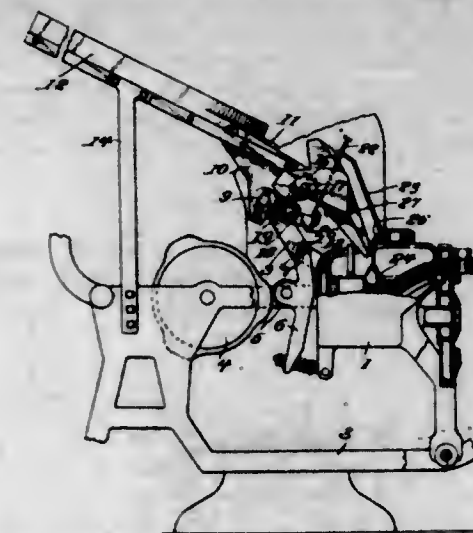


1. An electric lighting fixture including a body of insulating material, a lamp socket screw-shell moulded into the said body, a threaded insert electrically connected to the said screw-shell, a second threaded insert insulated from the said screw-shell and forming a center lamp socket contact, both of said inserts being moulded into said body and binding screws for connecting supply wires to the said inserts.

1,735,069. FEEDER FOR TYPE-CASTING MACHINES. WALTER G. WILKES, Biloxi, Miss. Filed Apr. 28, 1928. Serial No. 273,589. 7 Claims. (Cl. 22—180.)

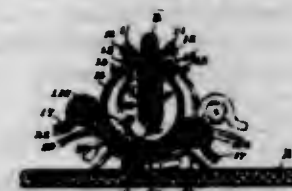
1. In combination with a type making machine having a melting pot and a reciprocating member, means for feeding metal to the melting pot of the machine, said means comprising a metal feeding chute mounted to discharge into the melting pot, a roller at the discharge

end of the chute for controlling the discharge of metal from the chute, a lever continuously in engagement with the reciprocating member of the type making machine to be actuated by every reciprocating movement thereof,



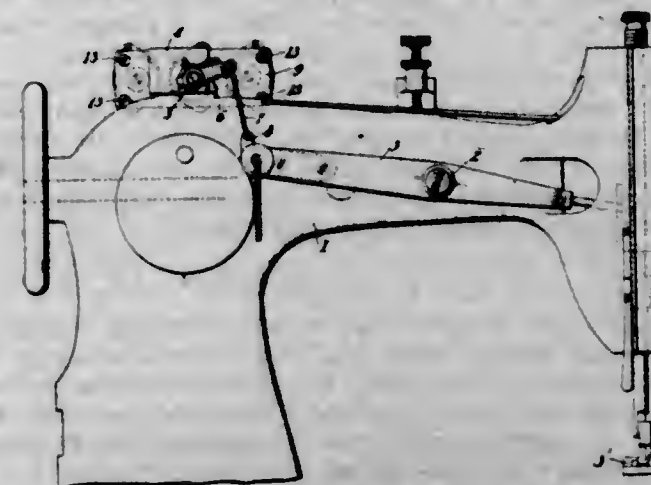
and means on said lever adjustable according to the level of molten metal in the pot into and out of position to positively actuate said roller to discharge metal from the chute.

1,735,070. WINDSHIELD WIPER. JOSEPH M. YOUNG, New York, N. Y. Filed June 18, 1928. Serial No. 286,470. 3 Claims. (Cl. 15—255.)



1. An attachment for windshield wipers for the purpose of clearing ice and snow from a windshield, said attachment including a clip adapted to be employed on the wiping strip of the windshield wiper, a knife-supporting element adapted to be sprung on to the said clip and having edge portions adapted to engage the sides of the clip, said supporting element being rockable transversely relative to the clip, cutting members on the said supporting element at opposite sides to alternately move over the windshield, and means held between the cutting members to contact with the windshield and cause the cutting members to be moved alternately from one side to the other.

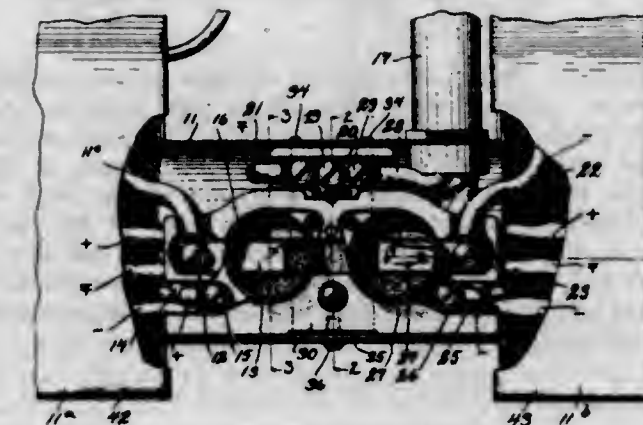
1,735,071. MULTIPLE-THREAD TENSION-RELEASE MECHANISM. RUDOLPH BECKER, North Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 22, 1927. Serial No. 200,594. 4 Claims. (Cl. 112—288.)



1. A multiple-thread tension-release mechanism comprising three plates disposed in spaced parallel relation,

a plurality of posts fixed to the two outer plates and holding them separated and relatively fixed, the intermediate plate being slidably mounted on said posts, a plurality of tension devices mounted on one of said fixed plates and having tension release pins extending through the latter, and means for shifting the movable plate toward the tension release pins.

1,735,072. FUSE-BLOCK HOUSING. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1926. Serial No. 153,047. 3 Claims. (Cl. 247—2.)



1. The combination with a pair of sealed service boxes, and a trough providing a passage for the line wires between said boxes, of overload protective devices in said trough, and an unsealed cover for said trough permitting access to the overload protective devices when open.

1,735,073. MUCILAGE DISPENSER AND SPREADER. WILLIAM W. S. CARPENTER, Chicago, Ill., assignor to Sanford Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 10, 1927. Serial No. 160,066. 9 Claims. (Cl. 91—67.4.)

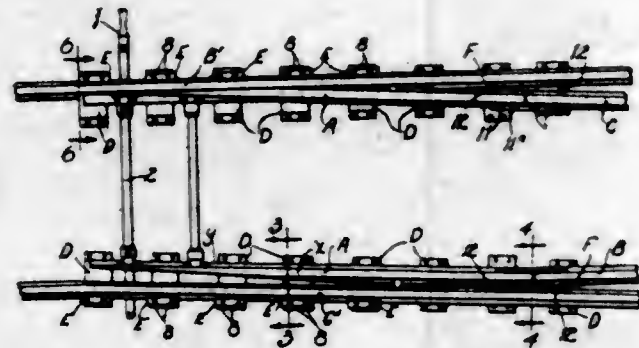


1. A mucilage dispenser and spreader comprising a container and a discharge spout having a rectangular outlet port, a flat resilient tongue within said spout and projecting through said rectangular outlet port to have a single line of contact with one edge of said port, and a spreader extending from said tongue bent back upon itself to serve as a closure for said port when the dispenser and spreader is not in use.

1,735,074. ART OF MAKING STEEL. FRANK W. DAVIS, Milford, Del., assignor to Samuel G. Allen, trustee. Filed June 2, 1924. Serial No. 717,280. 8 Claims. (Cl. 75—27.)

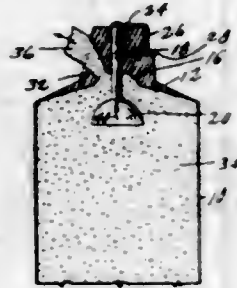
1. In the making of steel by the open hearth process, the steps of the cessation of the usual combustion and the removal of the slag normally produced, and the completion of the operation under combustion of fuel non-productive of an oxidizing flame.

1,735,075. SPLIT SWITCH. ROBERT E. EINSTEIN, St. Louis, and BENJAMIN B. BETTS, Webster Groves, Mo. Filed May 2, 1928. Serial No. 274,477. 10 Claims. (Cl. 246—435.)



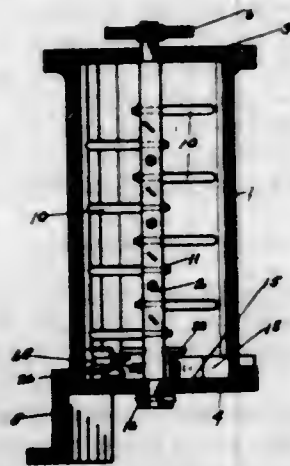
1. A split switch, comprising movable switch points, stationary running rails that extend alongside of said switch points, slide plates for the switch points, recesses in said slide plates for receiving the base flanges of the running rails, an undercut wall at one end of each of said recesses adapted to receive one edge of the base flange of the rail, a beveled wall at the opposite end of the recess, and a wedge interposed between said beveled wall and the adjacent edge of the base flange of the rail and provided with a portion that laps over said flange.

1,735,076. COLLAPSIBLE-TUBE TOP. RALPH N. ELLIS, Des Moines, Iowa, assignor of one-half to Thomas Waters, Jr., and Robert W. Coldesh, Des Moines, Iowa. Filed Apr. 4, 1928. Serial No. 267,446. 3 Claims. (Cl. 221—60.)



1. A top for tubes or the like of the character described comprising a top member, a boss formed thereon, a pin slidably and rotatably mounted in said boss, a valve seat on the inner side of said boss, a valve plug on said pin to coact with said valve seat, a tongue secured to the outer end of said pin and a cam surface on said boss to coact with said tongue, said cam surface having a depressed part.

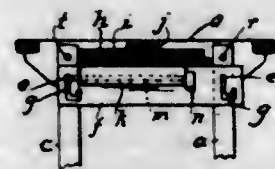
1,735,077. DISPENSING DEVICE FOR MATERIAL. ADINO F. FILES, Maumee, Ohio. Filed Feb. 9, 1928. Serial No. 253,039. 3 Claims. (Cl. 221—103.)



1. In a dispensing device, a container having an opening, a block located above the said opening, a disc moving

able beneath the said block and having openings adapted to register with the opening in the container, a spindle connected to the said disc for rotating the disc and having blades for controlling the movement of the material dispensed towards the said opening, a paddle wheel having paddles adapted to make contact with the disc, the said spindle having fingers for engaging the paddle wheel to cause the rotation of the paddle wheel and movement of the paddles of the paddle wheel against the disc and in a direction opposite to that in which the disc moves.

1,735,078. IRONING-BOARD TABLE. EDWARD B. HANCE, Camden, N. J. Filed May 7, 1927. Serial No. 189,498. 2 Claims. (Cl. 68—10.)



1. In combination, a supporting frame, an ironing board, supporting members for the ironing board, said supporting members having slots therein, each slot having a horizontal portion and vertical portions extending upwardly from the horizontal portion to different levels, and pins carried by the supporting frame and engaging within said slots, whereby the ironing board may be supported at different levels by selective engagement of the pins with the upper ends of the several vertical portions of the slots.

1,735,079. CARTRIDGE FOR TOY GUNS. FREDERICK HENKE, Philadelphia, Pa., assignor, by mesne assignments, to A. H. Fox Gun Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 30, 1928. Serial No. 138,606. Renewed Apr. 9, 1929. 12 Claims. (Cl. 124—12.)

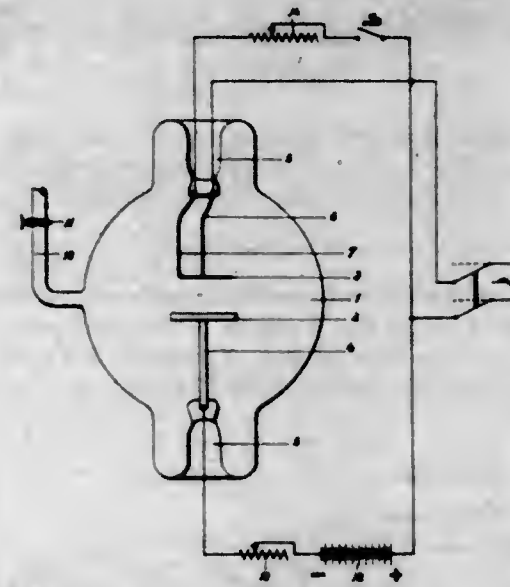


1. A cartridge for toy guns comprising a substantially cylindrical shell having one end thereof shaped to frictionally retain a projectile, a plunger in said shell having an opening for the free passage of air therethrough and providing an annular shoulder therein, a plunger retaining member in said shell at the end thereof remote from said projectile-holding end, and having a tapering head and a detent for engagement with the edge of said shoulder in said opening to hold said plunger in its inward position within the shell, and a spring for impelling said plunger forwardly into impact with the projectile, when said plunger is released from said member.

1,735,080. ELECTRON-EMITTING CATHODE. GUSTAV LUDWIG HEARTZ, Eindhoven, Netherlands, assignor to Naamloze Vennootschap Philips' Gloeilampen Fabrieken, Eindhoven, Netherlands. Filed Dec. 31, 1923. Serial No. 683,729. and in the Netherlands Jan. 12, 1923. 4 Claims. (Cl. 250—27.5.)

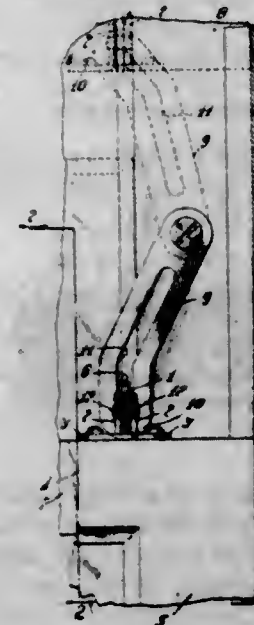
4. A process of manufacturing electron-emitting electrodes which comprises rendering porous the surface of

the body which consists of a metallic material capable of alloying with the alkaline-earth metals, applying a layer of an alkaline-earth metal to the surface of said body, said layer of alkaline earth-metal being applied by coating said body with a compound of an alkaline earth-metal and heat-



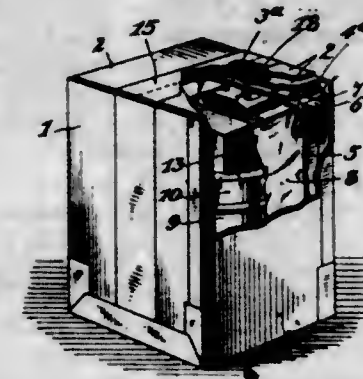
ing said body in a non-oxidizing atmosphere so as to decompose said compound and then form an alloy of the alkaline-earth metal produced with said metallic material, and then oxidizing at least part of said alkaline-earth metal.

1,735,081. VENTILATING-SASH FASTENER. RUDOLF KRASBERG, Chicago, Ill. Filed June 27, 1927. Serial No. 201,670. Renewed Apr. 3, 1929. 8 Claims. (Cl. 292—270.)



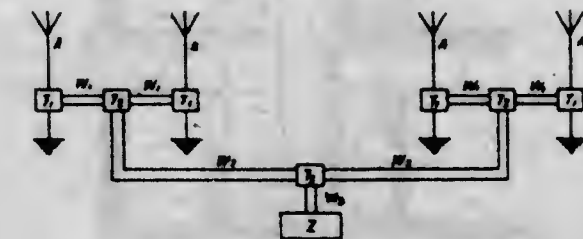
1. A device of the kind specified comprising a longitudinally slotted member having a bend between its ends pivotally secured at its upper end to a side rail of the upper sash of a window, for normally positioning by gravity with the lower end portion of the slot therein vertically disposed, a lever loosely pivotally mounted upon the lower sash for normally positioning with one end thereof projecting through said vertical portion of said slot when the sashes are in closed position, and a projection at the inner end of said lever adapted to engage a portion of said member as said lever moves toward the end of said portion of said slot during initial relative opening movement of the window sashes.

1,735,082. REFRIGERATED PACKAGE AND METHOD. JAMES W. MARTIN, Jr., Yonkers, N. Y., assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 2, 1927. Serial No. 180,411. Renewed Apr. 12, 1929. 17 Claims. (Cl. 62—92.)



1. A refrigerated package including a perishable product adapted to be over-frozen, a metal container enclosing said product, frozen carbon dioxide in contact with the metal of the container, a paper bag in which said container and frozen carbon dioxide are enclosed, with the latter nearest the mouth of the bag, a corrugated pasteboard carton enclosing said paper bag, and false walls between said bag and said carton affording interspaces for up-circulation of gas escaping from the paper bag, said metal container being circular in cross-section and said carton being rectangular.

1,735,083. ANTENNA SYSTEM. GASTON ADELIN MATHIEU, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 3, 1927. Serial No. 165,535, and in Great Britain Feb. 27, 1926. 7 Claims. (Cl. 250—20.)

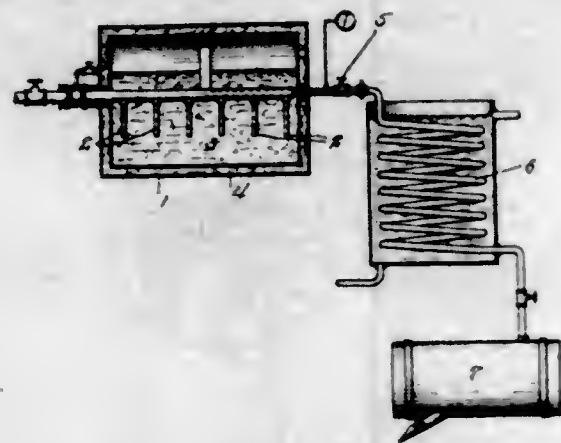


1. A wireless system comprising a plurality of pairs of aerials, intermediate and auxiliary feeders, a terminal circuit and means comprising twin transformers each of which has two primaries and two secondaries the latter being connected in series for rendering cumulative the energy from each pair of aerials in said intermediate or auxiliary feeders, and similar means for rendering cumulative the energy from pairs of intermediate and auxiliary feeders and so on until the energy from or to all the aerials is rendered cumulative in said terminal circuit.

1,735,084. PROCESS OF MANUFACTURING FURFURAL. CARL S. MINER, Chicago, Ill., and HAROLD J. BROWNLEE, Cedar Rapids, Iowa, assignors to Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 7, 1922. Serial No. 586,795. 15 Claims. (Cl. 260—54.)

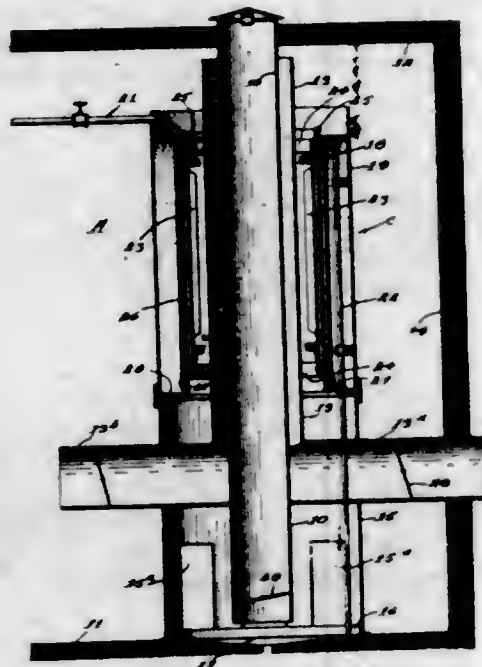
1. The process of manufacturing furfural which comprises impregnating a mass of roughage material with a

quantity of acid liquid sufficient merely to dampen said roughage material, and subjecting this reaction mixture to the conjoint action of heat, pressure and a continuous



supply of steam for removing the furfural from the liquid in the dampened reaction mixture substantially as quickly as formed.

1,735,085. HEATING, HUMIDIFYING, AND VENTILATING APPARATUS. CHARLES A. MOORE, Edina, Minn. Filed Aug. 15, 1924, Serial No. 732,348. Renewed Apr. 1, 1929. 11 Claims. (Cl. 126-84.)



8. The combination with a structure forming a chamber, of three upright draft conduits, one communicating at its upper end with the outer air and at its lower end with the lower portion of the chamber, another conduit communicating at its upper end with the upper portion of the chamber and at its lower end with the outer air, and the third a conduit opening at its upper end into the upper portion of the chamber and at its lower end into the lower portion of said chamber, and means for affecting the temperature of the air in all of said conduits to set up a natural flow of air therein.

1,735,086. CARTRIDGE FOR TOY GUNS. WALTER R. PAXSON, Glenside, Pa., assignor, by mesne assignments, to A. H. Fox Gun Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1926, Serial No. 139,255. Renewed Apr. 9, 1929. 10 Claims. (Cl. 124-12.)

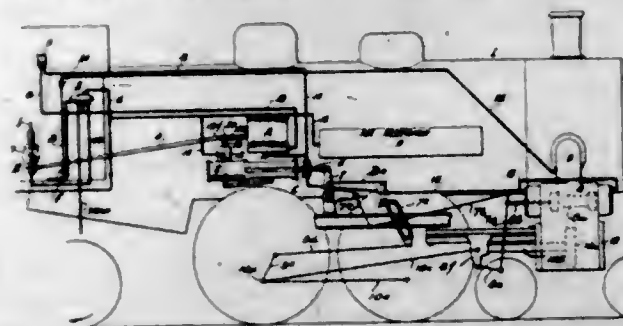
1. A shell for toy guns comprising a shell, a plunger therein, a spring for driving said plunger, means for hold-

ing said plunger remote from the discharge end of said shell and said spring under tension, and a projectile re-



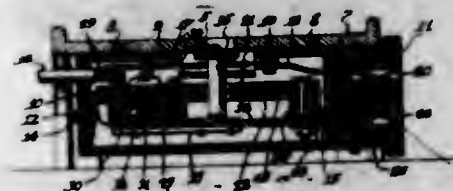
movably mounted in the discharge end of the shell, spaced from said plunger and in a position to be projected by the impact of said plunger against said projectile.

1,735,087. MEANS FOR OPERATING LOCOMOTIVES. EDWIN S. PEARCE, RAYMOND W. RETTERER, and EDMOND C. KARIBO, Indianapolis, Ind. Filed Apr. 3, 1923. Serial No. 629,565. 24 Claims. (Cl. 121-142.)



1. In a locomotive, the combination with the usual cylinders, pistons, valves, valve gear and exhaust, of a power reverse gear, operating valve means therefor, and a back pressure controlled actuating mechanism for said valve means, said actuating mechanism including means for moving said valve means so as to produce a shortening of the cut-off of the usual locomotive valves when the back pressure rises above a predetermined point, and means for moving said valve means so as to produce a lengthening of the cut off of the usual locomotive valves when the back pressure falls below said predetermined point.

1,735,088. SAFETY IRON HOLDER. RUDOLPH PENNER, Detroit, Mich. Filed Mar. 14, 1927. Serial No. 175,017. 1 Claim. (Cl. 200-138.)

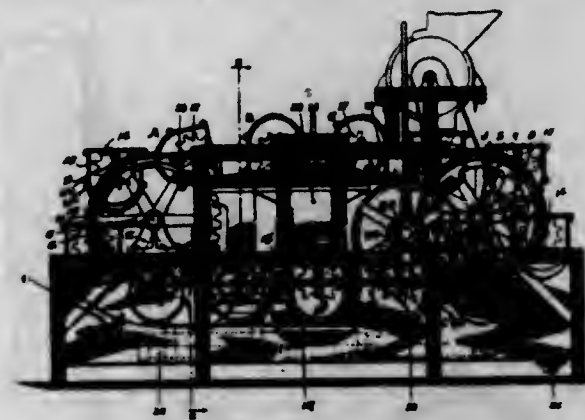


A switch comprising a magnetized block, a conductor connected thereto, a fixed support, a spring switch blade fixed to said support and adapted for attraction by said block, contact points carried by said block and blade and adapted for mutual engagement, a thermostatic element having one end fixedly supported, an operative connection between said element and said switch blade, an insulation socket member mounted adjacent said fixed support and having a pair of slots, another conductor adapted to cooperate with said first named conductor in forming a circuit, and a pair of spring contacts extending from said last named conductor and switch blade respectively into said slots.

1,735,089. METHOD AND APPARATUS FOR TREATING AND HANDLING VEGETATIVE PRODUCTS. CLARENCE H. PLUMMER, Kewaunee, Wis. Filed Oct. 9, 1924. Serial No. 742,641. 54 Claims. (Cl. 209-173.)

1. The method of segregating different grades of peas consisting of immersing a quantity of mixed grades in a

quiescent solution in which a separation takes place due to the difference in specific gravity whereby the lighter peas will float and the heavier ones sink, then while the



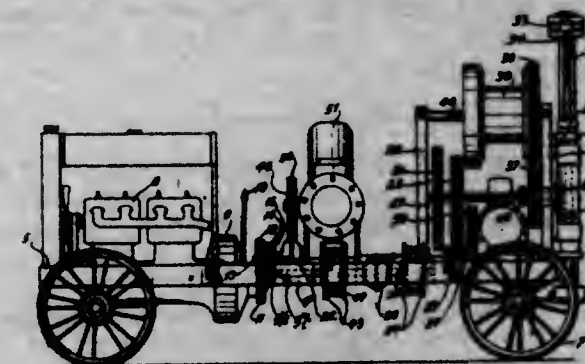
peas are still immersed automatically introducing a septum between the separated groups to maintain the separation while removing them from the solution.

1,735,090. AUTOMOBILE HEADLIGHT. WILLARD L. POLLARD, Evanston, Ill. Filed Oct. 27, 1926. Serial No. 144,486. 4 Claims. (Cl. 240-41.)



1. An automobile headlight construction, comprising a concave reflector, the lower edge of the reflecting surface lying substantially in a horizontal plane, an electric lamp bulb having its light source in front of the focus whereby the beam reflected from said reflector will be convergent, and the upper edge of the light pattern beyond the focal point of the reflected rays from the light source will be substantially horizontal, a reflecting surface above and in front of said light source for reflecting rays from said light source back onto said concave reflector and a second reflecting surface below and in the rear of said light source for reflecting rays from said light source forwardly onto said first reflecting surface, to be again reflected rearwardly onto said concave reflector, said bulb and reflecting surfaces being below said convergent reflected beam whereby a smooth unshadowed light pattern is obtained.

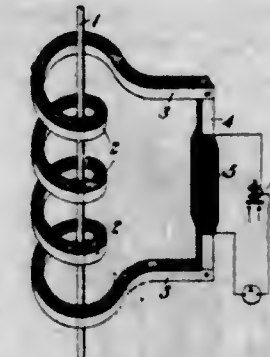
1,735,091. DIAMOND CORE DRILL. FRED POWERS, Norman, Okla., and JOHN W. TOLLAND, St. Louis, Mo.; said Tolland assignor to C. F. Camp Company, Tulsa, Okla., a Corporation of Oklahoma. Filed Apr. 5, 1926. Serial No. 99,770. 1 Claim. (Cl. 255-22.)



A diamond core drill comprising a frame having a narrow front portion, an internal combustion engine car-

ried by said narrowed portion, a vertically extending support carried by said frame adjacent its rear end, a gate carried by said support and extending beyond the rear end of said frame, a rotary feed spindle slidably carried by said gate, hydraulic feed cylinders carried by said gate, connections between said cylinders and the spindle whereby said spindle can be fed up and down, a second vertically extending support carried by said frame in advance of the first mentioned support, a rotary feed spindle driving mechanism carried by said supports, gearing carried by the driving mechanism and rotary feed spindle whereby the same are simultaneously rotated, a shaft extending centrally and longitudinally of said frame and driven by said engine, a connection between said shaft and rotary feed spindle driving mechanism for placing said mechanism in rotation, a clutch for connecting and disconnecting said shaft from the engine, a sludge pump carried by said frame, a variable speed mechanism carried by the frame and driven by said shaft for driving said sludge pump, a hydraulic feed pump carried by said frame, a second variable speed mechanism carried by said frame for driving said feed pump, and a clutch for placing said last mentioned speed mechanism in and out of operation.

1,735,092. TRANSFORMER. FRANK W. ROLLER, East Orange, N. J. Filed Sept. 18, 1925. Serial No. 57,074. 15 Claims. (Cl. 175-358.)



1. A transformer core comprising a plurality of magnetic turns connected in series, and a leg connecting the ends of said magnetic turns.

1,735,093. HEATER AND STERILIZER. KENNETH K. SIKES, Tolt, Wash. Filed Apr. 30, 1928. Serial No. 273,896. 2 Claims. (Cl. 219-44.)

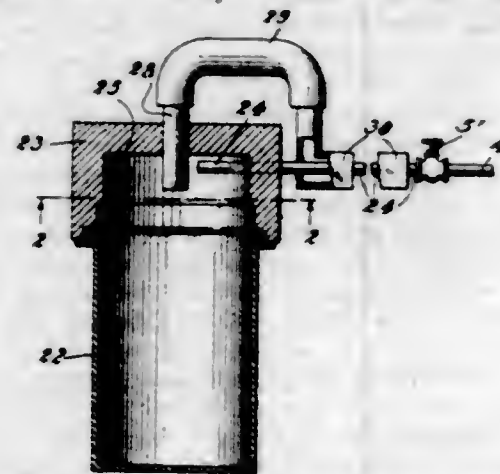


1. A water heater and sterilizer, comprising a wooden container, a cementitious covering of heat-insulating material around the container, a cover for the container, a false wooden bottom, having openings to permit the circulation of water and steam therethrough, a hot-water faucet, and an immersion type of electric heater operatively disposed within the container and below the false bottom.

1,735,094. METHOD AND MEANS FOR MAKING CARBON-DIOXIDE SNOW. THOMAS B. SLATE, Glendale, Calif. Filed Oct. 23, 1925, Serial No. 64,478. Renewed Apr. 13, 1929. 4 Claims. (Cl. 62-121.)

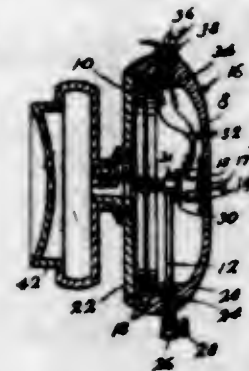
1. In the art of making carbon dioxide snow, the method which includes supplying liquid carbon dioxide under

sufficient follow-up pressure and at low enough temperature to insure the liquid state and permitting sudden jet expansion of said liquid approximately to atmospheric



pressure so as to yield snow and cold gas; and, as an intermediate step, cooling the liquid prior to such expansion, to lower its temperature without corresponding decrease of pressure, thereby to increase the yield of snow.

1,735,095. SOUND SYSTEM. HARRY HAROLD THOMPSON, Kansas City, Mo., assignor to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Mar. 15, 1922. Serial No. 543,838. 1 Claim. (Cl. 179-100.)



Combined radio and phonograph reproducing apparatus comprising a casing; a diaphragm mounted on the casing; a stylus attached at one end to the diaphragm and intermediate its ends to the casing; a needle for operating the stylus under the control of a phonograph record; an armature removably and adjustably attached to the stylus adjacent the end of the stylus attached to the diaphragm; a set screw screwed into said casing; a plate carried by the set screw; and electromagnets carried by the plate, said magnets being disposed on said plate so as to actuate said armature when said needle is out of contact with the phonograph record.

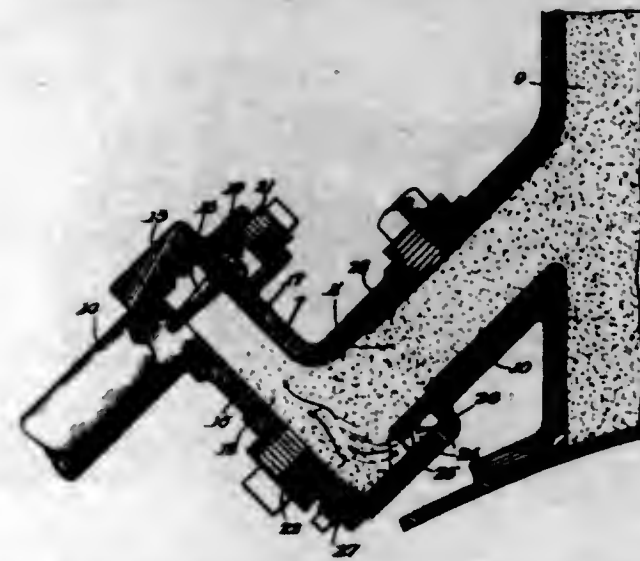
1,735,096. MANUFACTURE OF ACTIVE CARBONS. EDOUARD URBAIN, Paris, France, assignor to Urbain Corporation, a Corporation of Delaware. Filed Apr. 24, 1925, Serial No. 25,707, and in France Dec. 24, 1924. 7 Claims. (Cl. 252-3.)

1. The process of producing active carbon which comprises permeating vegetable material or the like with a mixture of phosphoric acid and sulphuric acid, heating and calcining in a substantially closed vessel allowing the escape of gases at a temperature high enough to cause the phosphoric acid to decompose with the formation of phosphides.

1,735,097. TRACK SANDER. HARRY VISSERING, Kenilworth, Ill. Filed Oct. 3, 1925. Serial No. 60,139. 1 Claim. (Cl. 291-11.)

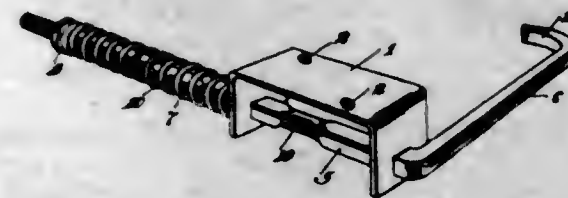
A sander comprising a casing having a trap chamber therein connected to receive sand by gravity from a suit-

able supply, an air jet applied to draw sand from the trap by suction, said casing being provided with an inlet duct in communication with the trap and whereby air will be admitted into the trap, when the latter is subjected to



suction, to disintegrate or agitate the sand therein, and a hood in the trap and extending over the duct to prevent sand from escaping through the latter, said hood being formed integrally with the casing.

1,735,098. ICE CARRIER. WALTER C. WIGHT, Dallas, Tex. Filed Apr. 11, 1927. Serial No. 182,670. 1 Claim. (Cl. 224-29.)

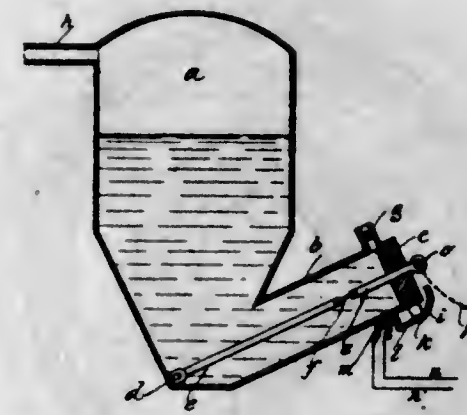


An article holder for use in connection with the running board of a vehicle, composed of a substantially inverted U-shaped bracket formed to depend from the under face of the running board and having openings in its arms one of which openings is of angular form, a substantially L-shaped rod having one arm thereof slidable in said openings, said arm of the rod having a part of angular cross-section corresponding to the said angular opening and having a second part freely rotatable in said angular opening when aligned therewith, the inner end of said arm of the rod projecting beyond the inner arm of the bracket and having an abutment thereon, a coil spring encircling said projecting end of said arm of the rod and having its ends engaging said abutment and said inner arm of the bracket, and means to secure the bracket to the running board at a distance rearwardly of the outer side edge of the running board substantially equal at least to the diameter of the rod so that when the rod is in inoperative position the other arm of the rod will be held by the spring against the outer arm of the bracket and rearwardly of said outer side edge of the running board and beneath the latter.

1,735,099. DEVICE FOR EXTINGUISHING THE FLAME OF BLASTING CHARGES. MARTIN WITTE, Breslau, Germany. Filed Aug. 31, 1927. Serial No. 216,700, and in Germany June 18, 1925. 4 Claims. (Cl. 169-2.)

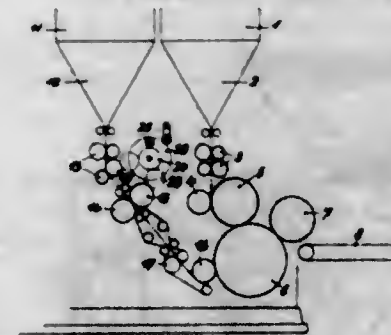
1. In a device for extinguishing the flame of blast charges and for precipitating the disturbed dust and the smoke of the explosion gases wherein the ignition is effected when a water discharging device is brought into operation, an air chamber situated in front of the blast

charge, means for alternately connecting the said air chamber with a water spraying supply and an air compressor, a tubulure of relatively large cross-section extending from the bottom of the air chamber and being



directed towards the mouth of the blast charge, an appliance closing the said tubulure, means for suddenly opening the closure and thereby emptying the said chamber and ejecting the water onto the blast charge, and means for simultaneously igniting the blast charge.

1,735,100. WEB-REGISTERING MEANS. OTTO WOHLRAHE, Plauen, Germany, assignor to Vogtländische Maschinenfabrik (vormals: J. C. and H. Dietrich) Aktiengesellschaft, Plauen, Germany. Filed June 28, 1928, Serial No. 288,949, and in Germany July 5, 1927. 8 Claims. (Cl. 270-52.)

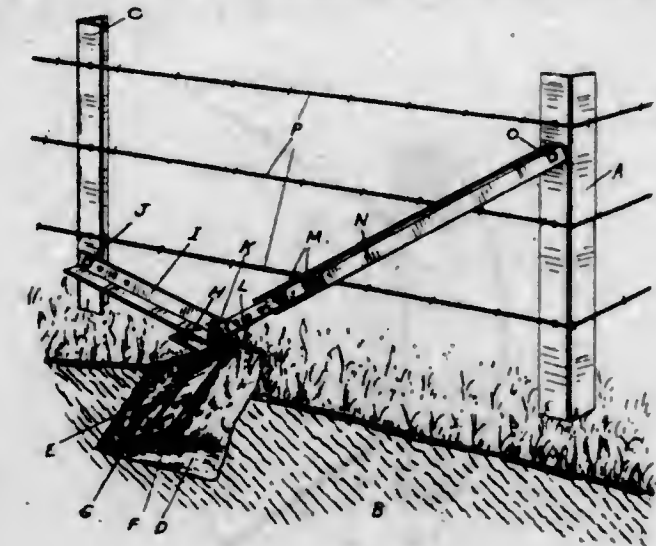


1. For maintaining register between a moving web and a second web with which the first is to be associated, an arrangement comprising in combination, gauging means on said arrangement adapted to cooperate with complementary gauging means on said first mentioned web, an observation device for ascertaining the in or out of register relation between said two gauging means and adjusting means for readily modifying the feed of the first mentioned web.

1,735,101. FENCE-POST BRACE. FREDERICK A. ZIEBARTH, Delano, Minn. Filed Apr. 28, 1928. Serial No. 272,228. 5 Claims. (Cl. 189-31.1.)

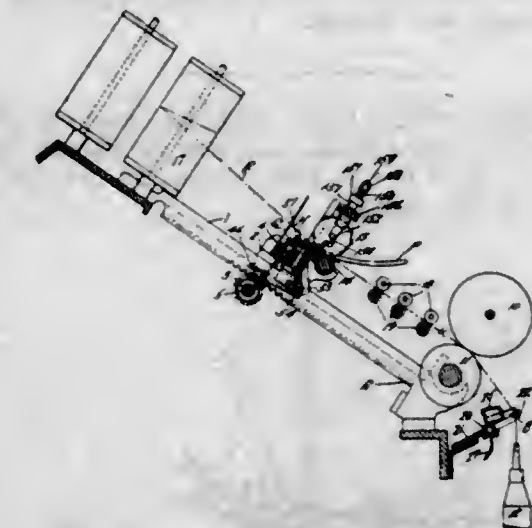
1. A bracing device for a fence post comprising an angular anchor member adapted to be imbedded in the ground at a distance from the post, and an inclined brace beam

connecting the anchor member with the post, said anchor member having a substantially horizontal portion for



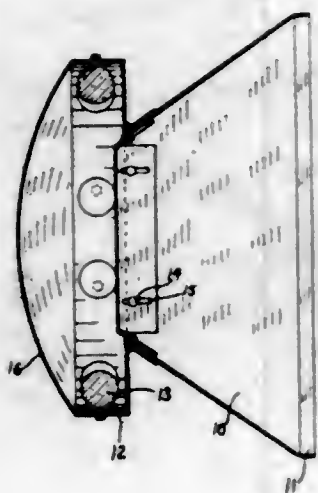
bearing downwardly upon the ground, and a brace bar secured to and extending from said horizontal portion for attachment to another post of the fence.

1,735,102. ELECTRIC STOP MOTION FOR SPINNING MACHINES. GEORGE M. ARRAGO, Lawrence, Mass. Filed Nov. 9, 1927. Serial No. 232,150. 5 Claims. (Cl. 117-30.)



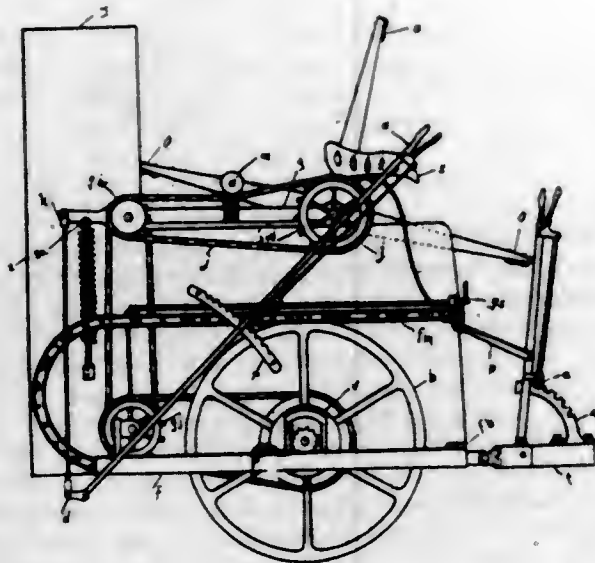
1. The combination with a spinning frame having front delivery rolls, bobbins, and back delivery rolls the bottom one of which is positively driven and the top one of which is spring pressed thereon and is driven thereby; and a shipper for starting and stopping said rolls and bobbins; of a fixed contact carried by the frame and insulated therefrom; a rocking feeler having one end adapted to normally be in contact with said fixed contact and its other end interposed in the course of the roving from the front rolls to the bobbin and adapted to be kept by such roving out of contact with the fixed contact; a source of electric current; conductors therefrom to the fixed contact and to the feeler; a magnet interposed in said conductors; a lifter for the top back roll including a lifter spring adapted to cause the lifter to engage the back top roll at the back and to lift it away from the bottom back roll and a holding hook; a catch adapted to engage the holding hook and to keep the spring and lifter out of action, said catch being operable by the magnet whereby when the circuit is closed, the catch is disengaged from the hook and the spring and lifter are released; and means interposed in the conductors operable by the lifter to open the circuit when the back roll is lifted; together with a make and break switch interposed in said conductors and so operable with the shipper that it breaks the circuit when the shipper is moved to stop the rolls and bobbins.

1,735,103. LIGHTING DEVICE. JOSEPH S. BARLOW, Salt Lake City, Utah. Filed Nov. 2, 1926. Serial No. 145,857. 3 Claims. (Cl. 240—1.)



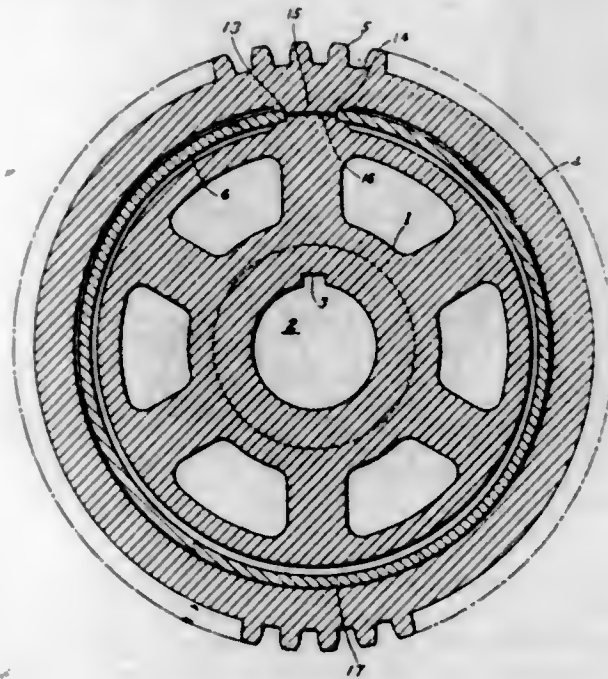
3. In combination, a frusto-pyramidal portion whereof the interior is prepared to reflect light diffusely, a substantially cylindrical portion fixed to the smaller end of said frusto-pyramidal portion, electric light sockets in said cylindrical portion, a concave reflector fixed to that edge of said cylindrical portion that is remote from the said frusto-pyramidal portion, and a shield member slidably attached to each side of said frusto-pyramidal member adjacent the smaller end thereof.

1,735,104. SEED THRASHER. MAX BEBENSEE and WILL C. CHILDREN, Council Bluffs, and MERVIN MARTIN, Hancock, Iowa. Filed Dec. 9, 1926. Serial No. 153,703. 2 Claims. (Cl. 56—128.)



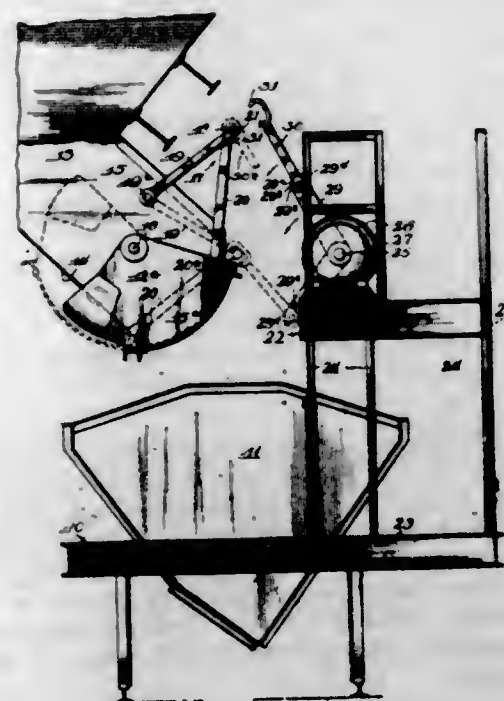
1. In a seed thrasher, a pivotally mounted frame provided at its rear end with a seed receptacle, a striking bar carried by the frame and located at the front of the seed receptacle, a pair of levers disposed approximately horizontally and fulcrumed intermediate of their ends to form front and rear arms, a rotary thrashing wheel carried by the front arms of the said levers and cooperating with the striking bar, gearing for rotating the thrashing wheel, and means for adjusting the pivoted frame and the said levers for arranging the thrashing wheel and the striking bar in proper cooperative relation.

1,735,105. FLEXIBLE GEAR WHEEL. CLAUDE BETHEL, Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1926. Serial No. 101,354. 13 Claims. (Cl. 74—29.)



1. A flexible gear-wheel comprising a center portion, a rim portion, stops provided on the center portion and the rim portion, a spring element and a retaining ring, said spring element comprising an annular spring member having a portion removed to provide faces for engagement with the stops provided on said center and rim portions and disposed to engage the rim at a point diametrically opposite the stops at all times.

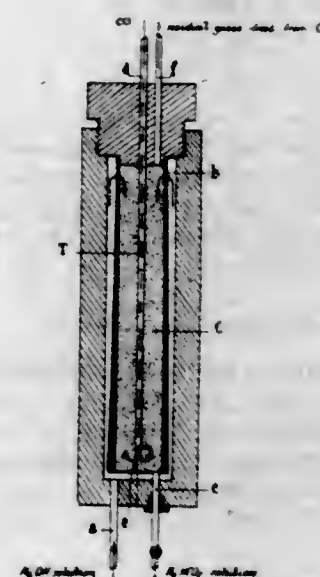
1,735,106. POWER-DRIVEN BIN-GATE-ACTUATING DEVICE. ARTHUR J. BOYNTON, Winnetka, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a Corporation of Illinois. Filed May 26, 1927. Serial No. 194,516. 1 Claim. (Cl. 214—41.)



In combination, a bin provided with a discharge chute, a swinging gate of the undercut type closing the end of said chute, a catch device connected to said gate, said catch device comprising a rod located above and extending transversely of said gate and side frames pivoted to said rod and each including an arm pivoted to a side of said chute and

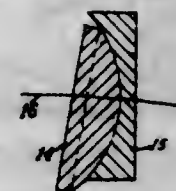
an arm pivoted to a side member of said gate, a scale car, a reversible shaft on said scale car, a crank arm on said shaft, and a jaw member pivoted to said crank arm and capable of limited swinging movement relative thereto, said jaw member being adapted for engagement with said catch device.

1,735,107. PROCESS FOR PRODUCING SIMULTANEOUSLY FORMATES AND GASEOUS MIXTURES RICH IN HYDROGEN. GEORGES CLAUDE, Paris, and ALBERT HENRI GOSSELIN, Montreuil, France, assignors to La Societe Chimique de la Grande Paroisse, Azote & Produits Chimiques, Paris, France. Filed Jan. 9, 1926. Serial No. 80,296, and in France Jan. 17, 1925. 6 Claims. (Cl. 260—114.)



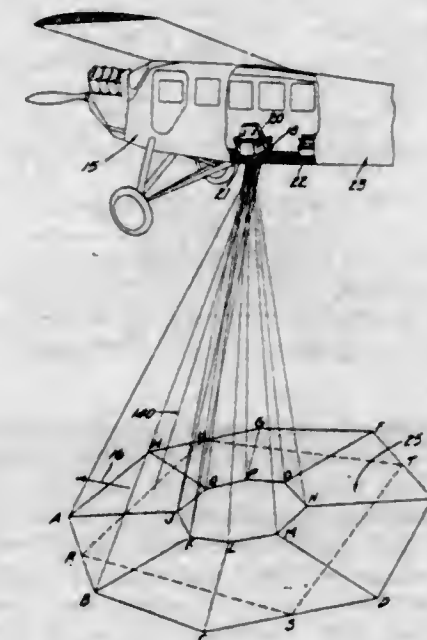
1. A process of producing formates, comprising subjecting a gas rich in carbon monoxide to the action of a caustic alkali solution under a pressure above 200 atmospheres and at a temperature of 200 to 400° C.

1,735,108. OPTICAL ADJUSTING DEVICE. HAROLD N. COX, Glen Ridge, N. J., assignor to Cox Multi-Color Photo Company, a Corporation of Delaware. Filed Oct. 10, 1925. Serial No. 61,697. 2 Claims. (Cl. 88—1.)



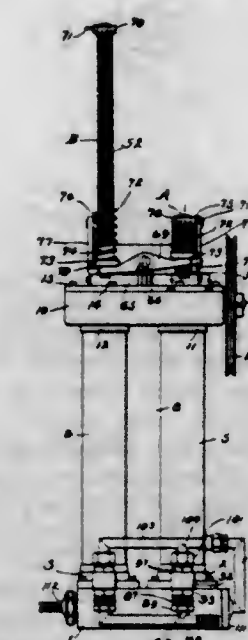
2. The combination with a prism of means, comprising co-operating lenses provided one with a concave and the other with a convex surface of corresponding curvature, concentrically arranged and movable one relatively to the other on the center of such curvature and in any plane, for adjusting the deviation of light through the prism.

1,735,109. PROCESS OF AND APPARATUS FOR MAKING AERIAL PHOTOGRAPHS. LEON T. ELIEL, Los Angeles, Calif. Filed Feb. 8, 1927. Serial No. 166,729. 17 Claims. (Cl. 95—12.5.)



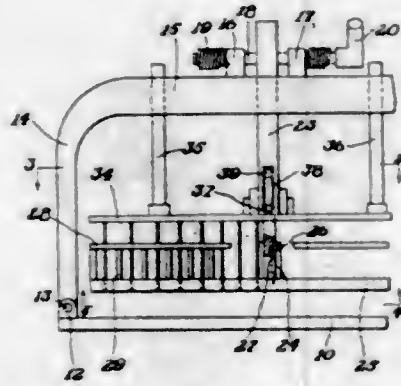
1. A process of making photographs, comprising: simultaneously exposing a plurality of film portions maintained in a single plane through lenses having non-parallel principal axes; and transforming said film portions into a unitary picture such as could be registered by a perfect extremely wide angle lens.

1,735,110. PUMPING MECHANISM. ERNEST A. GALLISON, Watertown, Mass., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Jan. 6, 1925. Serial No. 922. 12 Claims. (Cl. 74—14.)



1. In a pump actuating mechanism reciprocating members, moving at a substantially constant longitudinal velocity, driving gears, rotating at a substantially constant speed, a worm connected to be driven respectively by said gears, connections between said worms and reciprocating members for reciprocating the latter in opposite directions, and a driven clutch between said driving gears adapted alternatively to drive one or another of said gears, and controlled alternately by said members instantaneously to reverse the movement of said reciprocating members at the ends of their strokes.

1,735,111. DOUGH-CUTTING MACHINE. FRED GATHMANN, Ridgefield, N. J. Filed June 12, 1928. Serial No. 254,862. 2 Claims. (Cl. 107-21.)



1. In a device of the class described, a compactor plate adapted to be raised and lowered, a knife platform, knives depending from said platform, a rack bar for lowering said knife platform and compactor plate, a link pivotally attached to said knife platform, a lug on said rack bar adapted to engage said link and hang said knife platform from said rack bar, means for raising said rack bar without disturbing said compactor plate, a tiltable latch mounted on said knife platform adapted to retain said rack bar raised a distance above said knife platform, said latch when so positioned and when said rack bar is depressed being adapted to extend said knives through said compactor plate.

1,735,112. SWITCH. CLARENCE F. GILCHRIST, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 26, 1921. Serial No. 448,094. 5 Claims. (Cl. 200-159.)

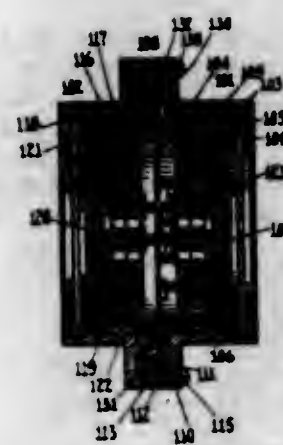


1. A switch for an automobile electric starter comprising a casing; a pair of spaced stationary contact members secured to the bottom thereof; a plunger mounted in the top of said casing movable toward said contact members; a single flat strip of conducting material having straight ends and being loosely carried at its center by said plunger for bridging said contact members when said plunger is moved, the contact faces of said members being inclined from their ends toward the axis of said plunger whereby when said plunger is moved, said strip yields gradually, increasing the area of contact with said members from their ends to the axis of said plunger.

1,735,113. COMBINED ELECTRIC PHONOGRAPH RECORDER AND REPRODUCER. ALFRED NORTON GOLD-SMITH, New York, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Jan. 23, 1925. Serial No. 4,155. 1 Claim. (Cl. 179-100.1.)

A combined reproducer and phonograph recorder comprising a two part shell casing, a projecting flange having an annular depression below a roughened radial surface, on one part of said casing, a cooperating ring for said flange, a circular metallic diaphragm between said ring and flange, bolts for securing the diaphragm to said ring and flange, a projecting annular flange on the other part of said casing, bolts for drawing said last mentioned part of said casing to the first mentioned casing part, an axially projecting annular rib on said flange for pressing said

diaphragm into said depression when the bolts for drawing together the two casing parts are tightened, a sleeve having an internal annular shoulder within each part of said casing, annular screw rings within each casing part for moving the sleeves together, a circular disc in each



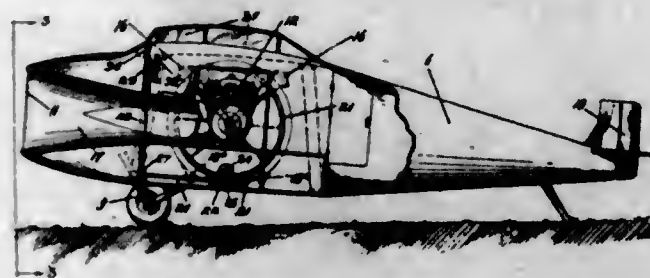
sleeve, screw threaded rings for clamping said discs against the annular shoulders within said sleeves, electromagnets mounted on said discs and on opposite sides of said diaphragm and a stylus fastened at one end to the diaphragm and intermediate its ends to one part of said casing.

1,735,114. SHORT-CIRCUITING DEVICE. EARL J. HAVERSTICK, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 19, 1927. Serial No. 192,557. 7 Claims. (Cl. 200-118.)



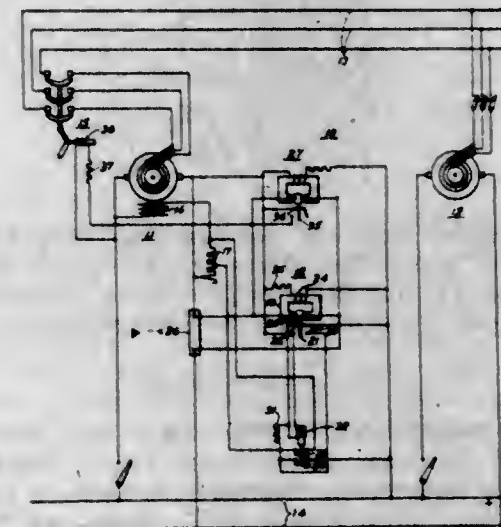
1. A circuit closing device comprising a plurality of conducting bodies, an apertured spacer disposed therebetween and particles of material having a small conductivity disposed on the margin of said aperture and surrounding said aperture on both the top and bottom surfaces of said spacer.

1,735,115. FLYING MACHINE. GEORGE D. HIGGINS, Los Angeles, Calif. Filed Aug. 22, 1927. Serial No. 214,557. 8 Claims. (Cl. 244-18.)



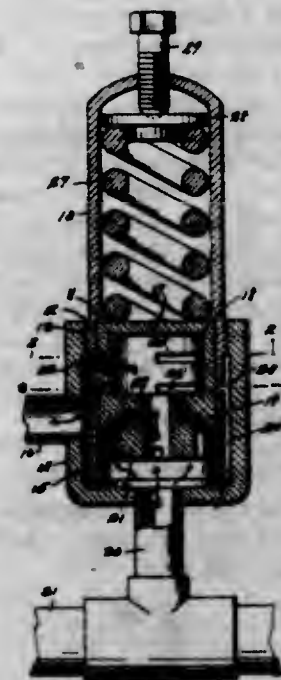
1. A flying machine including in combination, a fuselage, carrying wings, steering means, the fuselage being open at its forward end and covered with a screen, propeller fans mounted on the opposite sides of said fuselage, under said wings, means providing air conduits from the front of said fuselage to said propeller fans, power mechanism connected to drive said fans, movable shields about said fans for controlling and directing the discharge of air from said fans, and means for moving the same.

1,735,116. AUTOMATIC STATION. GORDON F. JONES, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 19, 1928. Serial No. 279,183. 7 Claims. (Cl. 171-312.)



1. In an automatic station, means for controlling the voltage of a hot machine connected in parallel with a cold machine in accordance with the voltage of the latter, including a relay responsive to the direction of current flow between said machines and a resistance-shunting relay controlled thereby.

1,735,117. RELIEF VALVE FOR PRESSURE PUMPS. OMAR C. KIGER and RAY SHULTON, Yakima, Wash. Filed Feb. 4, 1928. Serial No. 251,970. 2 Claims. (Cl. 137-53.)

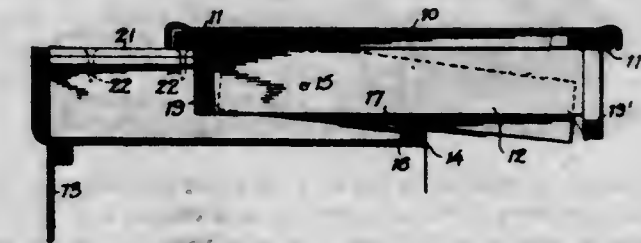


1. A valve of the character described, including a cylinder open at one end, a hollow piston valve movable longitudinally through the cylinder but free to rotate therein, the cylinder having a plurality of circumferentially extending series of port openings, the port openings of one series being disposed in staggered relation to the port openings of the other series, and the piston having a plurality of series of port openings disposed in longitudinal alignment with each other, whereby the total port openings will be the same in all rotative positions of the piston, means for forcing the piston valve to a position where its supports are in incidence with the cylinder ports, and means yieldingly resisting such movement.

1,735,118. METHOD OF PREPARING FRUIT SYRUPS. LUDWIG KUNZ, New York, N. Y., assignor to The Lash's Products Company, San Francisco, Calif., a Corporation of California. Filed June 12, 1928. Serial No. 115,676. 2 Claims. (Cl. 99-11.)

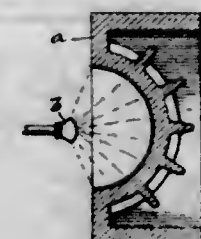
1. In the manufacture of fruit syrups from citrus fruits, the steps of preparing a separate and distinctive syrup from the rind, preparing a separate syrup from the juice, and combining them only shortly before use, whereby the deleterious action of the acid and water of the juice is prevented from acting on the flavoring principle derived from the rind.

1,735,119. KITCHEN CABINET. OAK LANDAW, Nappanee, Ind., assignor to Mutschler Brothers Company, Nappanee, Ind., a Corporation of Indiana. Filed Apr. 19, 1926. Serial No. 103,045. 1 Claim. (Cl. 45-17.)



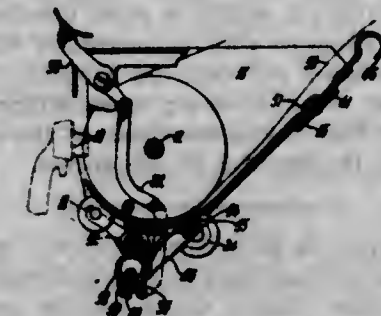
In a kitchen cabinet, a mold board, a latch movable with the mold board and operative to engage a stationary part of the kitchen cabinet, a horizontally disposed pivot on which the latch is oscillatable, the said latch extending to a location near the front of the mold board for movement by an operator, the said latch having a notch in its lower edge to receive a stationary part of the cabinet, the said latch having a stepped lower edge, the portion between the notch and the pivot being lower than the edge beyond the notch.

1,735,120. MOLD COATING. HARRY S. LEE, Plymouth, Mich. Filed Mar. 8, 1926. Serial No. 93,057. 2 Claims. (Cl. 22-189.)



1. A preparation for coating mold faces at high heat, which comprises lamp black, graphite, and a liquid volatile only at high temperatures.

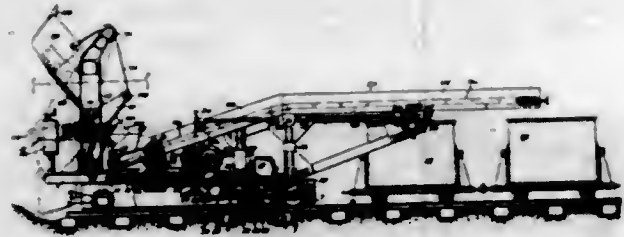
1,735,121. TYPEWRITING MACHINE. JOSEPH LINDBERG, Fort Hamilton, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 6, 1928. Serial No. 252,138. 8 Claims. (Cl. 197-127.)



6. In a typewriting machine having a revolvable platen, the combination with a platen-frame, of a paper-table having

ing a plane body-portion extending downwardly and forwardly at the introductory side of said platen, of means for slidably mounting said table in said machine, said means including a cross-rod between the sides of said platen-frame, two elongated slotted ears on said table engaging said cross-rod, the axis of the slots in said ears being parallel with said body-portion, and a slidable mounting for said body-portion on a fixed member of said platen-frame.

- 1,735,122. EXCAVATOR. JESSE E. MATTINSON and ERNEST J. MOODY, San Francisco, Calif. Filed May 17, 1926, Serial No. 109,471, and in Canada May 17, 1926. 2 Claims. (Cl. 214-131.)

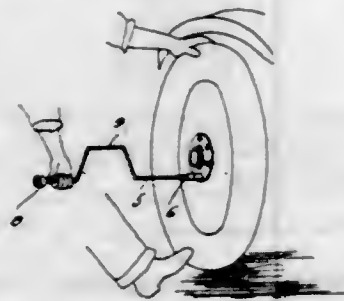


1. In an excavator, a mast, a dipper fulcrumed on said mast, a hoisting cable attached to said dipper and passing upwardly over a pulley and then downwardly, and a purchase arm rotatable about said fulcrum with said dipper and adapted to engage said cable as it passes upwardly over said pulley or as it passes downwardly.

- 1,735,123. DIANTHRAQUINONYLAMINE SULPHONIC ACID DYESTUFF. WALTER MIEG, Vohwinkel, and HEINRICH RAEDER, Leverkusen, near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 17, 1925, Serial No. 50,868, and in Germany Sept. 27, 1924. 3 Claims. (Cl. 260-57.)

1. The process of sulphonating 1-1'-dianthraquinonylamine with fuming sulfuric acid containing not more than 30% free SO₃ at temperatures below 100° C.

- 1,735,124. STUD-ALIGNING TOOL. JOHN ROBERT MILLER, West Palm Beach, Fla. Filed July 12, 1927. Serial No. 205,159. 1 Claim. (Cl. 29-84.)

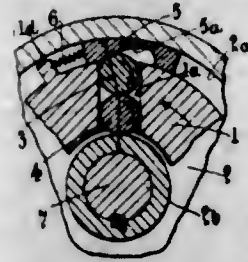


A tool of the class described comprising a shank adapted for use as a handle and insertable in the stud opening of a wheel, and a socket member formed at one end of the shank of an elongated formation and provided with a smooth bore adapted to receive a wheel attaching stud, said socket member being of a diameter greater than the shank and having its inner end tapering gradually as the same merges into the shank, whereby to constitute a guide for facilitating the free sliding movement of the socket in said opening during the removal of the socket.

- 1,735,125. BALL OR ROLLER CLUTCH. WILLIAM MILLER, Dunston-on-Tyne, England. Filed Feb. 3, 1927. Serial No. 165,668, and in Great Britain Feb. 17, 1926. 19 Claims. (Cl. 192-47.)

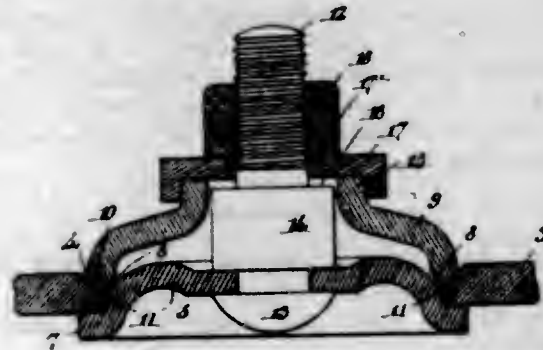
1. A clutch comprising two members, an even number of circumferentially contacting rolling elements arranged in

one of said members substantially transverse of the direction of movement of the clutch members, a pair of flanges on the other clutch member said flanges embracing the outer of said rolling elements, and camming means on



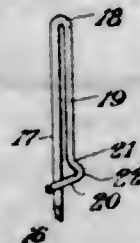
one of the clutch members, said camming means being independent of said rolling elements, with which camming means the said rolling elements are adapted to cooperate so that when one of the clutch members is moved the clutch is engaged.

- 1,735,126. HANDHOLE PLATE. AMAZIAH J. MOSES and FRANK H. WRIGHT, Chattanooga, Tenn., assignors to The Casey-Hedges Co., Chattanooga, Tenn., a Corporation of Ohio. Filed May 3, 1927. Serial No. 188,552. 1 Claim. (Cl. 220-25.)



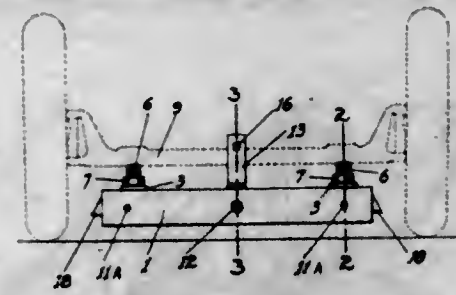
The combination with a shell having an opening therein, of a plate having a flange adapted to engage the inner face of the shell adjacent the opening, a cap having its edges cooperating with said plate and an outer surface of said shell to seal said opening, a central and outwardly projecting open boss on said cap, said boss having interior and exterior angular walls, a bolt carried by said plate and projecting centrally through said boss, an enlargement on that portion of said bolt disposed within the boss conforming in size and shape with the interior of said boss to hold the bolt and cap against relative rotation, a cover plate for said boss, a flange at the edges of said cover plate to fit over said boss and having walls corresponding in size and shape with the exterior of said boss to hold the cover plate and cap against relative rotation, and a nut on the outer end of said bolt.

- 1,735,127. SPACING DEVICE. HERBERT G. OLIVER, New York, N. Y. Filed May 10, 1927. Serial No. 190,202. 2 Claims. (Cl. 72-122.)



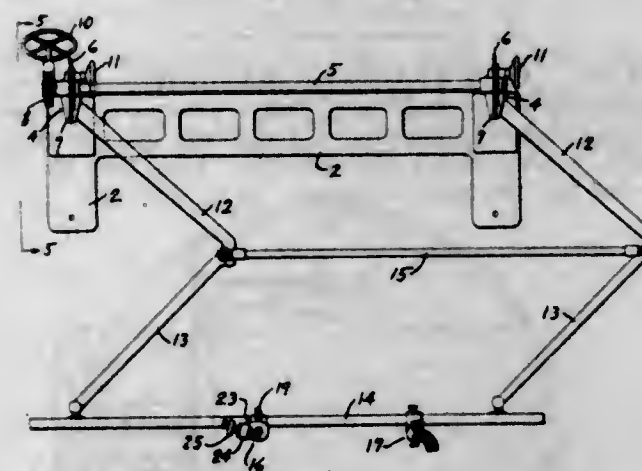
1. A means for spacing and supporting one member from another member, comprising a wire-like element having a substantially straight portion, terminating in a pointed end, a reverse bend at the other end of the straight portion, another substantially straight portion extending from said bend back on the first portion for a part of the length thereof, and an off-set portion acting as a stop to limit the penetration of the pointed end.

- 1,735,128. AXLE PRESS. GEORGE W. PRATHER, Santa Cruz, Calif. Filed Nov. 9, 1927. Serial No. 232,077. 3 Claims. (Cl. 153-38.)



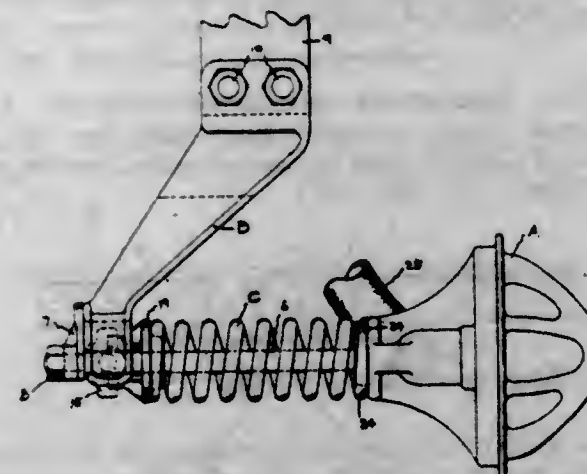
1. An axle-press including a rigid beam to extend lengthwise of and under an axle, hanger means mounted on the beam to straddle and engage the top of the axle and a jack unit mounted on the beam independent of the hanger means; such unit comprising a block slidably supported by the beam, a vertical screw for engagement with the under face of the axle slidably but nonturnably mounted in the block and a nut about the screw and supported by the block.

- 1,735,129. UNIVERSAL TORCH MACHINE. EUGENE L. RAGONNET, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 9, 1928. Serial No. 276,365. 11 Claims. (Cl. 266-23.)



11. The combination with a frame universally movable in a plane, and a torch on said frame, of a driven tracer unit freely movable perpendicularly on said frame and carrying a driving motor.

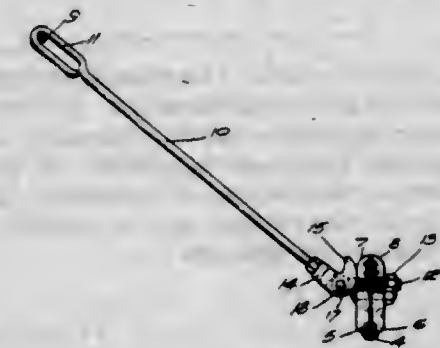
- 1,735,130. AUTOMATIC TRAIN-PIPE COUPLING. JOSEPH ROBINSON, New York, N. Y. Filed June 15, 1921, Serial No. 477,760. Renewed July 14, 1928. 3 Claims. (Cl. 285-58.)



1. In an automatic train pipe coupling, the combination of a bracket having at its lower end a pair of spaced prongs

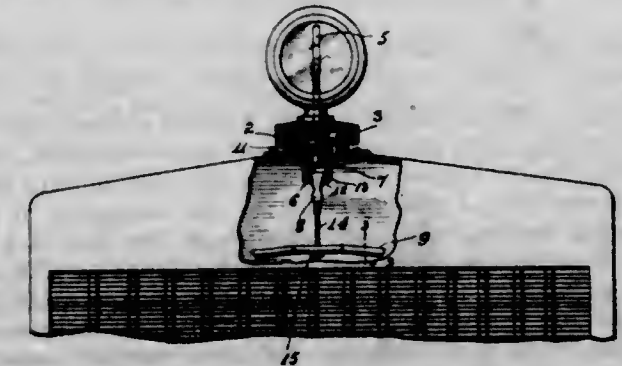
each of which is provided with an integral inwardly extending trunnion, said trunnions being located on a common axis and having a curved forward face, a hollow pivot block having curved seats into which said trunnions extend and having also a bearing on its front face, a spring seat pivotally mounted in said bearing, means at one end of the bearing for supporting the seat therein, a coupling head, a part extending from said head through said spring seat and said pivot block and co-operating with the seat and the block to prevent excessive rotation of said coupling head about the longitudinal axis of said part, a stop carried on the rear end of said part, and a spring surrounding the part and confined between said seat and said head for extending the latter with said stop yieldingly engaging the rear side of said bracket.

- 1,735,131. CONDUCTOR SUPPORT. WILLIAM SCHAAKE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 6, 1928. Serial No. 317,538. 9 Claims. (Cl. 191-40.)



1. A hanger for trolley conductors comprising, in combination, a clamp for engaging a trolley conductor, a bolt extending through the clamp, a supporting rod pivotally connected to the bolt, and means on the end of the supporting rod to engage the side of the clamp, whereby the relative angular positions of the clamp and supporting rod may be varied by adjusting the bolt.

- 1,735,132. RETAINING DEVICE. HERMAN SCHLAICH, Brooklyn, N. Y., assignor to The Boynton Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Apr. 29, 1920. Serial No. 377,501. 30 Claims. (Cl. 220-24.)

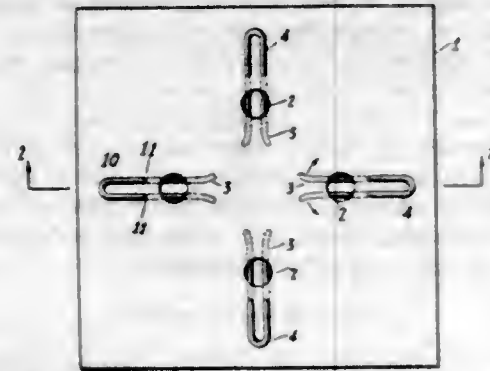


29. In combination, a radiator, a cap therefor, a retaining means inseparably secured to the radiator, and means within the cap locking the retaining means permanently to the cap.

- 1,735,133. SUPPORT FOR THERMIONIC TUBES. ARTHUR SCHMIDT, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Nov. 22, 1924, Serial No. 751,442, and in Germany Nov. 27, 1923. 4 Claims. (Cl. 173-328.)

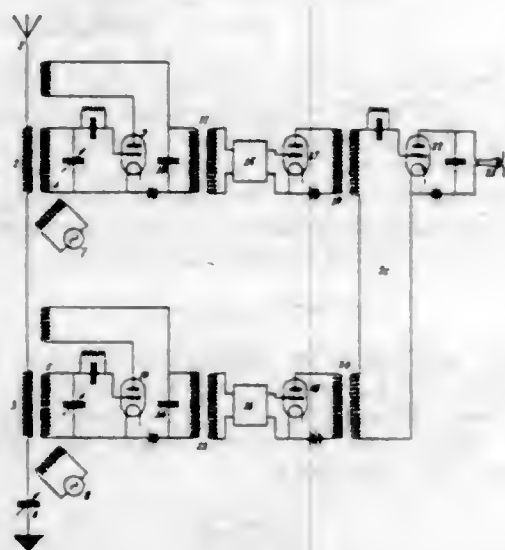
1. A tube socket comprising a flat perforate plate and a plurality of elastic spring members secured therein by

passing through the plate to provide terminals and contact springs, said contact springs consisting of wire forks, the resilient branches of which are adapted to be pressed apart by the plugs of the tube when the latter is fitted in



the socket and the plugs are passed through the perforations of the plate, the terminal parts consisting of eye portions integral with the contact springs for securing connecting wires.

1,735,134. METHOD AND SYSTEM FOR CONSTANT-FREQUENCY BEAT RECEPTION OF RADIOSIGNALS. FRITZ SCHRÖTER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed May 13, 1926, Serial No. 108,909, and in Germany May 23, 1925. 3 Claims. (Cl. 250-20.)

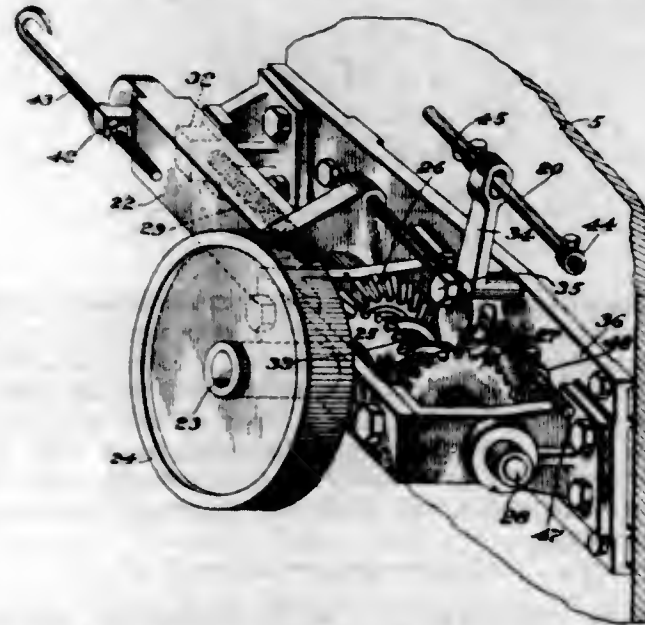


1. In a radio receiving system, a tuned antenna having two coupling coils for receiving an incoming signal, two branch circuits coupled thereto one for each of said coils and comprising a circuit tuned to the frequency of the incoming energy, two local oscillators one for each of said circuits, the frequency of said oscillators differing from each other by a constant amount, means controlled thereby for producing two intermediate beat frequencies differing from each other by the same constant amount, a common oscillation system and means comprising coupling devices acting selectively with reference to said frequencies for coupling said common oscillation system to each of said branch circuits and means in said common oscillation system comprising a translating device whereby signals may be interpreted.

1,735,135. COTTON-FEEDING MECHANISM. WILLIAM SHAW, Lowell, Mass., assignor, by mesne assignments, to Kitson Machine Shop, a Corporation of Massachusetts. Filed May 20, 1927. Serial No. 192,910. 15 Claims. (Cl. 19-69.)

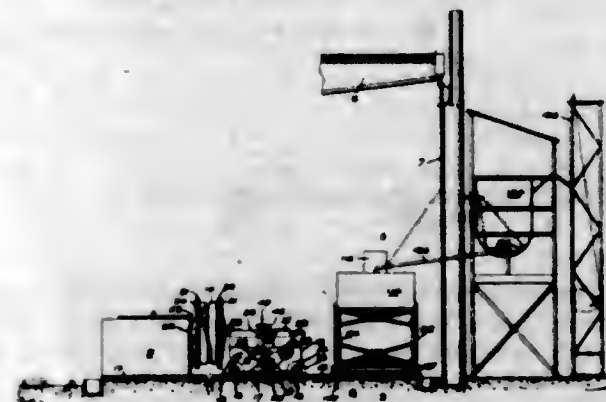
1. In a mechanism for feeding cotton and other fibrous materials, the combination of a feed hopper, means for

delivering cotton to said hopper, a feeler mounted in said hopper, and responsive to changes in the supply of cotton in the hopper, a power operated unit for controlling the operation of said delivering means, said unit comprising



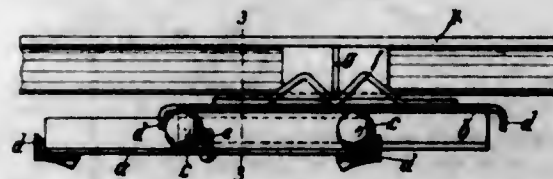
a rotary driving member and a traveller, the driving member having inclined surfaces to engage said traveller and move it positively, and connections for causing said feeler to govern the operation of said unit.

1,735,136. PIPE-WRAPPING MACHINE. PHILIP D. SHOENBERGER, San Mateo, Calif., assignor to Western Pipe and Steel Company of California, San Francisco, Calif., a Corporation of California. Filed Feb. 15, 1927. Serial No. 168,290. 9 Claims. (Cl. 242-11.)



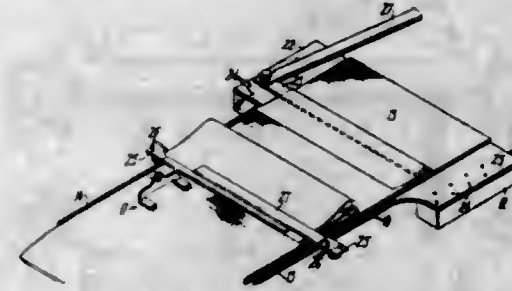
1. A pipe wrapping machine comprising means for rotating a pipe about an axis, means movable parallel to said axis for feeding a wrapping material onto said pipe, means for driving said rotating means and said movable means at a predetermined speed ratio, and means rendering said driving means effective on said rotating means in only one direction of rotation.

1,735,137. VIBRATORY CHUTE OR CARRIER. ANTON SKLENAR, Lazy, Czechoslovakia. Filed Apr. 29, 1925. Serial No. 26,759, and in Czechoslovakia June 24, 1924. 6 Claims. (Cl. 198-220.)



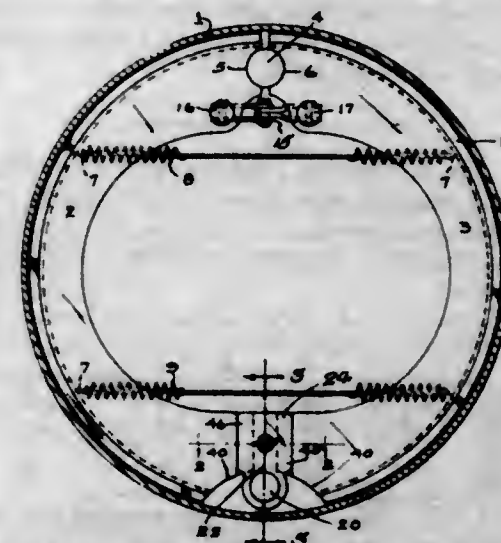
5. In a device of the character described the combination of a carrier, a slidably mounted support therefor and a pivotal connection between the carrier and the slidably mounted support permitting the carrier to have an independent rocking motion.

1,735,138. CARBON-SHEET-ATTACHING MEANS. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed July 14, 1928. Serial No. 292,851. 7 Claims. (Cl. 197-126.)



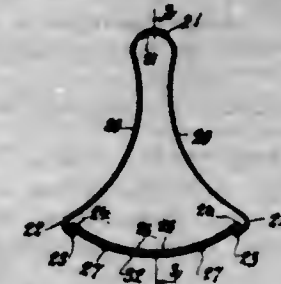
1. A device for facilitating the proper folding of the rear ends of carbon-sheets over the carbon-blades of fan-fold typewriting machines, said device including, in combination, a table upon which to place carbons for preparatory alignment thereof, edge gages upon said table to position carbons thereon preparatory to attaching the same upon the carbon-blades, and means upon the table for locating carbon-blades thereon to squarely overlie the rear portion of said gaged carbons at predetermined spaced-off distances from the rear thereof, so as to allow different predetermined lengths of carbons to be attached to their respective carbon-blades, for the leading carbon-edges to register when the blades are mounted in usual stepped arrangement upon the machine.

1,735,139. BRAKING DEVICE. JOHN SNEED, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 1, 1927. Serial No. 209,684. 8 Claims. (Cl. 188-78.)



1. In a brake, a backing plate, a pair of shoes having beveled ends, a rocking member pivotally mounted on the backing plate and extending inwardly from said mounting and disposed between adjacent ends of said shoes and having opposite parts movable toward or away from each other and engaging said beveled ends.

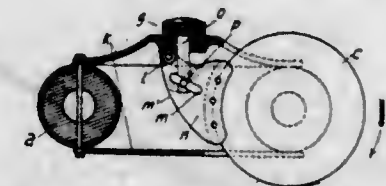
1,735,140. SAFETY RAZOR. STUART SPEIRS, New York, N. Y. Filed Nov. 5, 1926. Serial No. 146,358. 2 Claims. (Cl. 30-12.)



1. In a safety razor the combination of a pair of flexible arms, curved end portions formed at the outer ends of the

flexible arms, return bend flanges extending from said curved end portions, locking lugs formed with said return bend flanges and a guard comb connecting said locking lugs, said comb curved along its longitudinal axis and having serrated opposite edges forming guard fingers, said locking lugs adapted to detachably connect a razor blade to said guard comb and hold said blade in a flexed and curved condition along its longitudinal axis.

1,735,141. INDUCTANCE DEVICE. OTTO STURNER, Berlin-Schöneberg, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed July 2, 1928, Serial No. 120,222, and in Germany July 6, 1925. 5 Claims. (Cl. 171-242.)



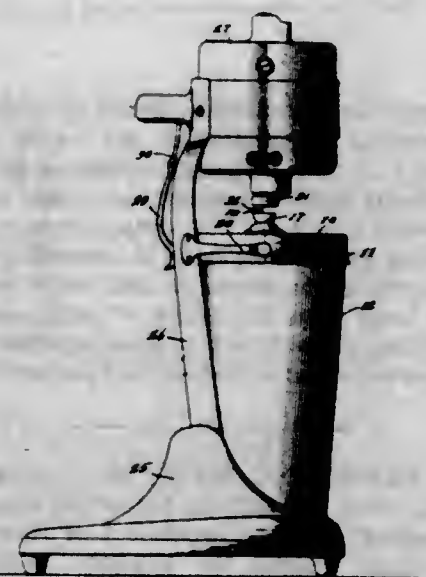
1. An inductance device comprising an annular coil fixedly mounted between a pair of supporting plates, a member positioned in the magnetic field of said coil, a spindle journaled in one of said plates, and means operated from said spindle for shifting said member radially relative to said annular coil so as to vary the self-inductance of the device.

1,735,142. COLLOIDAL SUSPENSION TREATMENT. BERTHA SUGDEN, Boston, Mass., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Jan. 20, 1926. Serial No. 82,621. 7 Claims. (Cl. 252-1.)

1. A process for the treatment of non-homogeneous dye solutions containing semisols or liquids susceptible to subsequent aggregation upon gelatinous films, comprising intermingling an albuminous colloid therewith, capable of reacting with the semisolid matter and thereafter effecting such reaction, coagulating and selectively segregating said colloid and associated matter from the liquid.

3. A process for the treatment of non-homogeneous dye solutions or suspensions, comprising mixing an amphoteric colloid therewith, and subsequently agglomerating said colloid and separating the same with associated matter from the solution.

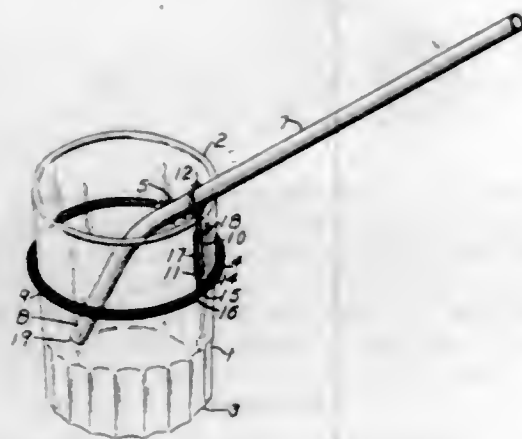
1,735,143. SANITARY DRINK MIXER. PABLO SUPERVIELE, Habana, Cuba. Filed Aug. 11, 1926. Serial No. 128,609. 1 Claim. (Cl. 259-108.)



A drink mixing apparatus comprising a container, a cover for said container, a motor, and a frame supporting

said motor, in combination with a rotatable agitator journaled in said cover extending therethrough, a single lug on the upper end of said agitator spaced from its axis of rotation, a vertical spindle in said motor, a single lug at the lower end of said spindle spaced from the axis of rotation, and a switch lever on said frame in a position to be operated by the container when pushed beneath said motor, the covered container being adapted to be slid into position beneath said motor by a simple horizontal movement, thereby simultaneously starting said motor and causing said lugs to engage, substantially as described.

1,735,144. TUBE HOLDER. FRANCES E. TANNER, KANSAS City, Mo. Filed Aug. 1, 1928. Serial No. 296,851. 6 Claims. (Cl. 65-65.)



1. A tube support comprising an elastic ring for mounting over a glass and having a relatively rigid portion, and a link having a loop engaged with said portion and a second loop for receiving the tube, whereby the link may latch the tube in engagement with the rim of the glass.

1,735,145. APPARATUS FOR PLAYING CHORDS ON STRINGED INSTRUMENTS. ERNST TAUBERT, Leipzig-Gohlis, Germany. Filed Apr. 7, 1928. Serial No. 268,268, and in Germany Apr. 11, 1927. 6 Claims. (Cl. 84-317.)

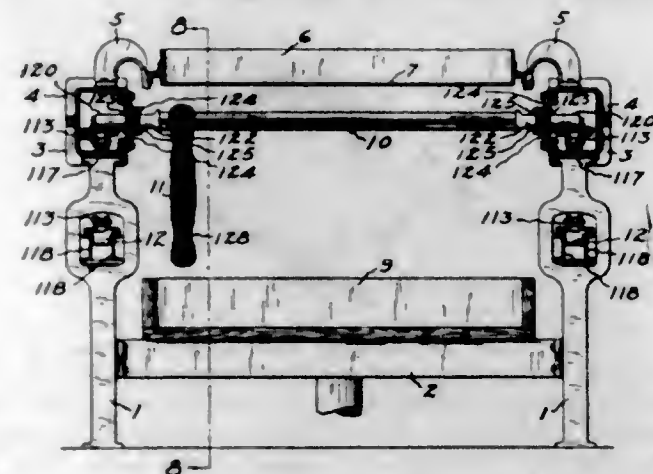


2. An apparatus for playing chords on stringed instruments, comprising in combination key levers, longitudinal rods adapted to be longitudinally displaced by said key levers, downwardly directed projections on said rods, supporting levers below said rods, and string pressers fastened to said supporting levers so as to be in immediate engagement on said projections, the pivots of said levers being situated on a higher level than the points of said engagement, so that said string pressers are pressed downward by longitudinal displacement of said rods and projections.

1,735,146. BLEACHING MACHINE. LOUIS P. TENCA, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 28, 1928. Serial No. 322,305. 9 Claims. (Cl. 8-19.)

1. In apparatus of the character described, a pair of laterally spaced parallel guideways, supporting members

mounted to travel in said guideways, skein rods rotatably mounted on said members and extending across the space between said guideways, means for simultaneously moving

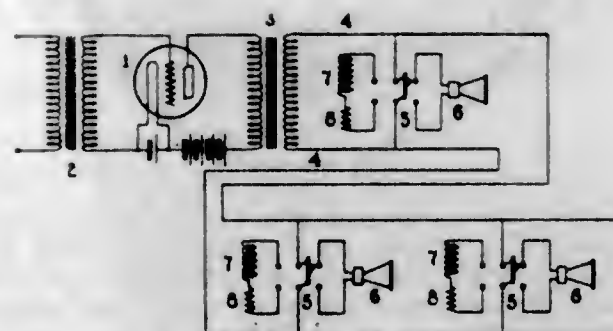


said supporting members along said guideways, and stationary members with which said rods engage during their travel for imparting rotative movements to said rods.

1,735,147. HOMONUCLEAR AMINO-ALPHYLAMINO-ANTHRAQUINONE SULPHONIC ACIDS AND PROCESS OF MAKING THE SAME. KLAUS WEINAND, Flitard, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 18, 1926. Serial No. 130,112, and in Germany Aug. 21, 1925. 8 Claims. (Cl. 260-60.)

1. The process of reacting with alkylamines in presence of a copper catalyst upon homonuclear 1-amino-4-halogeno-anthraquinone sulphonic acids.

1,735,148. ELECTRICAL DISTRIBUTION SYSTEM. JULIUS WEINBERGER, New York, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Aug. 17, 1923. Serial No. 657,859. 4 Claims. (Cl. 179-171.)

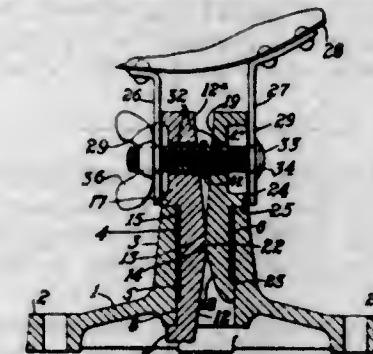


1. In combination an amplifier, having input and output circuits, one or more loud speakers arranged so as to be connected to the output circuit, one or more electrical energy consuming devices each having substantially the same electrical constants as each of the loud speakers, and switching means for connecting either a loud speaker or its electrically equivalent network to the output circuit of the amplifier.

1,735,149. LIGHTING UNIT. OSCAR WERNER, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 20, 1927. Serial No. 227,887. 3 Claims. (Cl. 248-21.)

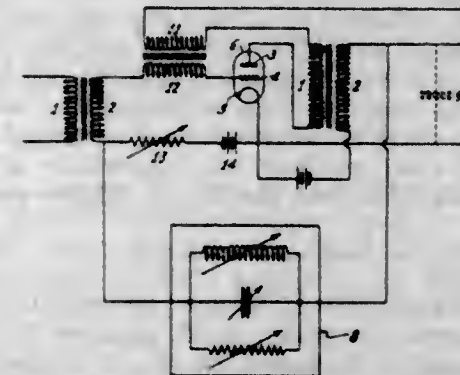
3. A bracket comprising a base having a tubular standard, wedge members pivoted intermediate their ends and

adapted to be partly inserted in the tubular standard whereby clamping of the outer ends causes the inner ends to engage the standard, and an object to be supported having fixed supporting plates adapted to pivotally engage the



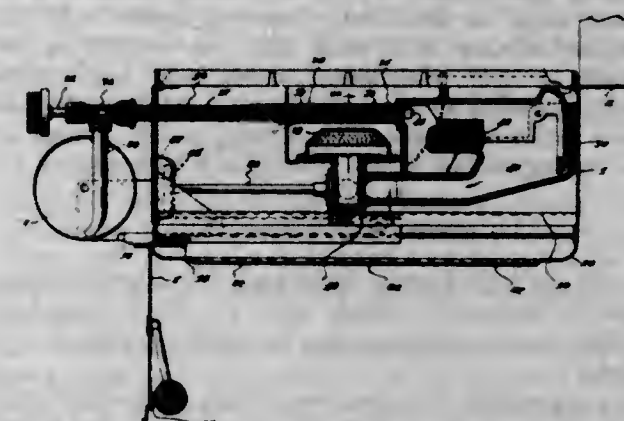
outer portion of the wedges and a single clamping means for engaging the supporting plates to the outer ends of the wedges for clamping them together to cause the object to be supported to become detachably engaged to the base.

1,735,150. WIRELESS-TELEPHONE RECEIVING SYSTEM. PETER WILLIAM WILLIAMS, Towcester, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 14, 1925. Serial No. 62,471, and in Great Britain Oct. 14, 1924. 5 Claims. (Cl. 179-171.)



2. In a valve amplifier, in combination a thermionic valve adapted to operate at audio frequencies, an audio frequency transformer connected with its primary in the plate circuit of said valve, an audio frequency input to said valve, an output from said transformer, and means comprising an inductance and a capacity arranged in parallel connected between said output and said audio frequency input for compensating for distortion in said valve amplifier.

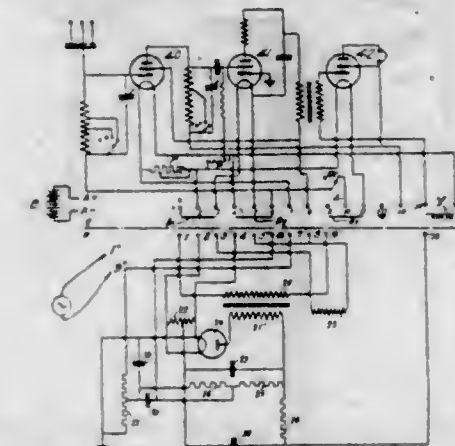
1,735,151. STOVE STRUCTURE. WILLIAM BLASKIEWITZ and CLARENCE BURT OVERLY, Detroit, CHARLES F. LAMBERT, Grosse Pointe, and JAMES LAONIDE, Detroit, Mich., assignors, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich., a Corporation of Delaware. Original application filed Aug. 27, 1926. Serial No. 131,868. Divided and this application filed July 8, 1927. Serial No. 204,198. 10 Claims. (Cl. 126-38.)



1. A stove construction of the liquid fuel type, comprising a permanently supported burner structure, a com-

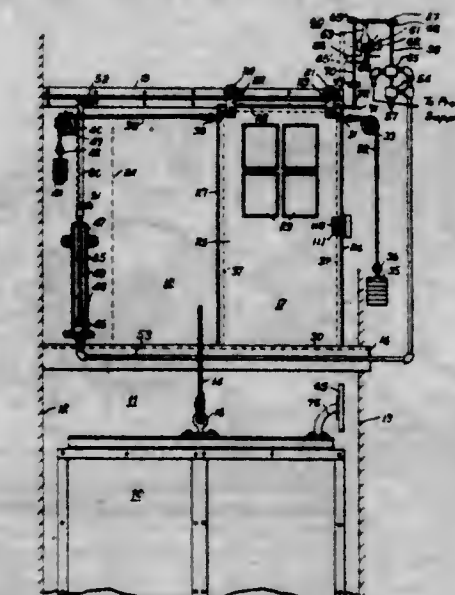
bined pre-heating and mixing member secured thereto, and a fuel supply unit slidably mounted in the stove casing and movable as a unit to one position inside of the casing to cooperate with the pre-heating unit to initially vaporize the liquid fuel and then movable as a unit to a position outside the casing to cooperate with said mixing chamber and burner to maintain the fuel under normal operation.

1,735,152. MEANS FOR ENERGIZING RADIO APPARATUS. CORNELIS BOL and CORNELIS HENDRIK MOREL, Eindhoven, Netherlands, assignors to Radio Corporation of America, a Corporation of Delaware. Filed Sept. 7, 1928. Serial No. 304,542, and in the Netherlands Sept. 3, 1927. 3 Claims. (Cl. 250-27.)



1. In radio apparatus to be used with radio receivers having thermionic tubes and filaments therein adapted to be energized by direct current or by alternating current, a plurality of contacts each associated with one or more of the electrodes to be heated, means for connecting together groups of said contacts when applying direct current to said electrodes, means for supplying biasing voltages to the control electrodes of said tubes when the filaments thereof are energized by direct current comprising a separate source of potential, means for connecting an alternating current source to the filaments of said tubes when the direct current source is disconnected therefrom and means for supplying biasing potentials to the control electrodes of said tubes when the filaments thereof are energized by alternating current comprising a rectifier adapted to be fed by alternating current.

1,735,153. DOOR-OPERATING DEVICE FOR ELEVATORS. EDGAR M. BOUTON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 10, 1927. Serial No. 197,825. Renewed June 27, 1929. 10 Claims. (Cl. 187-54.)



5. In a door-opening device for elevators operable between a plurality of floors, an elevator, a door at each of

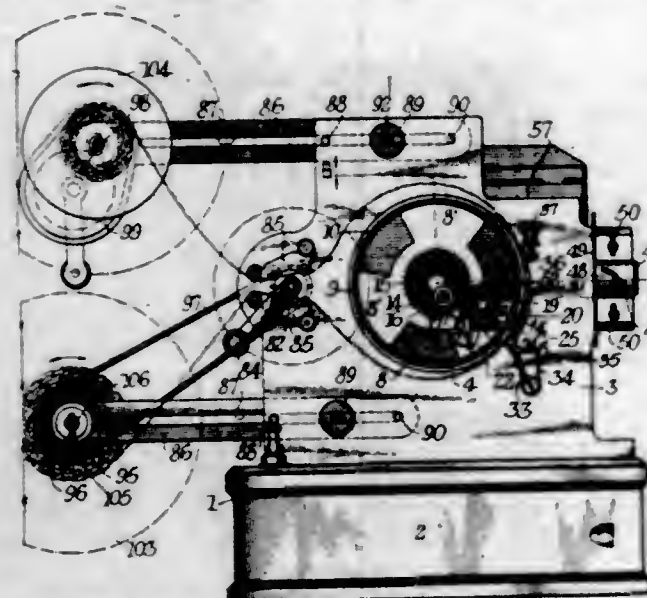
said doors, means for opening said doors including a magnet normally ineffective when energized to actuate said door-opening means, means for moving said elevator, means for controlling said moving means to start and stop said elevator, means operable responsive to the actuation of said controlling means to cause said elevator to stop for energizing the magnets for all of said door-opening devices, and means operable responsive to the arrival of the elevator adjacent any of said doors for rendering the magnet for said opening effective to operate said door-opening means.

1,735,154. CONTAINER. LEO H. BRODRICK, New York, N. Y. Filed Nov. 11, 1926. Serial No. 147,763. 3 Claims. (Cl. 206-47.)



1. In a container of the character described, in combination; an hermetically sealed puff receptacle comprising an annular side wall, a friable bottom fixedly attached to said side wall and an imperforate friable top fixedly attached to said side wall; a cardboard supporting casing side extending below the puff receptacle and attached thereto; a bottom to the casing; a strip of paper extending around the outer face of the puff receptacle side and attached thereto, said paper being extended over the upper edge face of said supporting casing and downwardly over a portion of the outer face of said supporting casing and attached thereto; and a cover for the device.

1,735,155. MOTION-PICTURE PROJECTOR. JOHN G. CAPSTAFF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Original application filed Feb. 20, 1925, Serial No. 10,601. Divided and this application filed Dec. 17, 1927. Serial No. 240,898. 10 Claims. (Cl. 88-17.)



4. In motion picture apparatus, an objective, a fixed, extended, longitudinally bowed film guide behind said ob-

jective and convex thereto, a complementary bowed film guide having a film exposure window and mounted between said fixed guide and the objective and spring pressed toward said fixed guide, film advancing mechanism including a claw adapted to engage and advance the film, said guides having registering passages in the path of the claw and having uniform curvature past the window and passages.

1,735,156. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 7, 1925. Serial No. 61,140. 1 Claim. (Cl. 134-79.)

As an article of manufacture, a film comprising water-insoluble alkyl cellulose and ethylene glycol diacetate, said film being formed from a composition containing from 5 to 50 parts by weight of said ethylene glycol diacetate to each 100 parts of alkyl cellulose, the proportions of the ingredients being such that the film is flexible and transparent.

1,735,157. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 7, 1925. Serial No. 61,141. 1 Claim. (Cl. 134-79.)

As an article of manufacture, a film comprising water-insoluble alkyl cellulose and at least one compound selected from the group of monoalkyl ethers of ethylene glycol, in which the alkyl group contains less than six carbon atoms, said film being prepared from a composition containing from 5 to 75 parts by weight of said compound to each 100 parts of alkyl cellulose, the proportions of the ingredients being such that the film is flexible and transparent.

1,735,158. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 7, 1925. Serial No. 61,142. 1 Claim. (Cl. 134-79.)

As an article of manufacture, a film comprising water-insoluble alkyl cellulose and ethylene glycol, said film being formed from a composition containing between 10 and 50 parts by weight of ethylene glycol for each 100 parts of alkyl cellulose, the proportions of the ingredient being such that the film is flexible and transparent.

1,735,159. PROCESS OF MAKING MIXED ORGANIC ESTERS OF CELLULOSE. HANS T. CLARK and CARL J. MALM, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 14, 1927. Serial No. 191,544. 7 Claims. (Cl. 260-101.)

4. In the process of making mixed organic esters of cellulose, reacting with acetic anhydride upon a fatty acid containing more than ten carbon atoms until a mixed anhydride mass is produced, removing acetic acid from said mass, mixing said mass into an esterifying bath containing a chlor substituted acetic acid, and treating cellulosic material in said esterifying bath until a mixed cellulose ester is produced containing acetyl groups and groups corresponding to said first-named higher fatty acid.

1,735,160. AUTOMATIC FIREARM. JOSEPH DESTREE, Brussels, Belgium. Filed Apr. 13, 1927. Serial No. 183,542, and in Belgium Jan. 11, 1927. 7 Claims. (Cl. 42-3.)

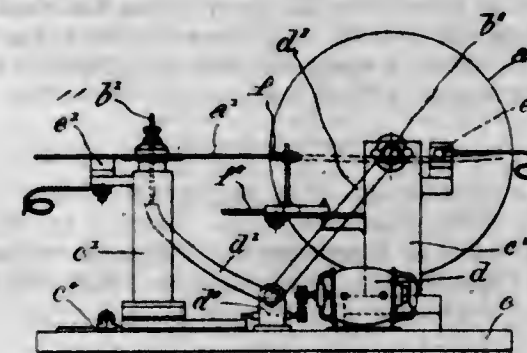
1. An automatic fire arm comprising a member taking place in the operation of the fire arm, means for directly conducting projectile expelling gases from the barrel to said member to effect movement of the member in one

direction and means for subsequently conducting the gases directly from the barrel to said member in such manner



as to act on the member in a direction to dampen the aforesaid movement of the member immediately after the initiation of such movement.

1,735,161. METHOD AND APPARATUS FOR PRODUCING SPARK DISCHARGES. RENÉ DUFOUR, Paris, France. Filed May 27, 1927. Serial No. 194,884, and in Belgium June 8, 1926. 4 Claims. (Cl. 250-38.)

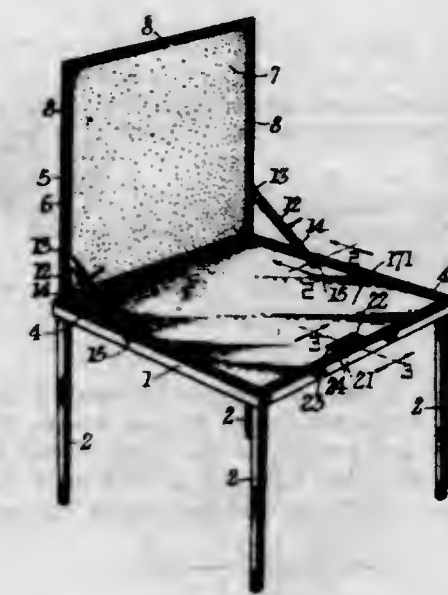


1. A device of the class described comprising in combination a first rotatable disc, a second rotatable disc having its axis of rotation in the plane of said first disc, said first and second discs lying in intersecting planes, means positioned outside of said discs for directing a fluid blast against the point on the periphery of said discs where the planes of the discs intersect, means for rotating said discs, and means for supplying current to said discs.

1,735,162. MOTION-PICTURE SCREEN. PAUL FAVOUR, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 24, 1927. Serial No. 221,701. 8 Claims. (Cl. 88-24.)

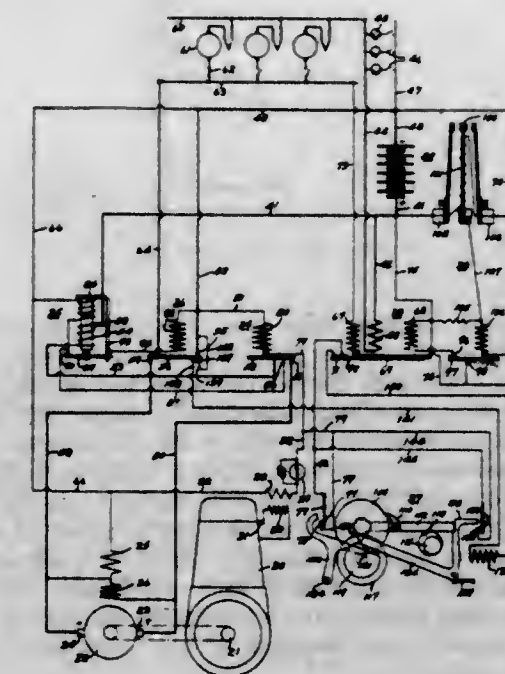
1. In a motion picture screen support, the combination with a table top, of a picture receiving surface carried by one side thereof, a frame, hinged connections between the frame and the table top, legs carried by the frame, an apertured screen protector carried by the frame, and

means permitting the screen to be swung through an arc of substantially 90° to and from the apertured protector, means for supporting the screen when swung from the



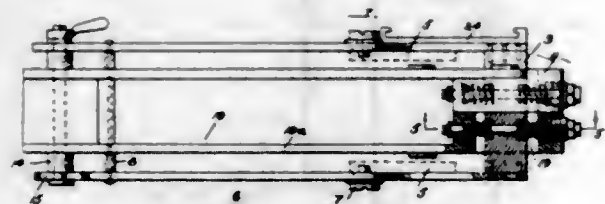
protector, and a cover for the aperture in the protector, said cover being movable to permit an operator to thrust upwardly upon the table top to swing the screen about its hinge into a picture receiving position.

1,735,163. ELECTRICAL APPARATUS. JOSEPH C. FEDERLE, Dayton, Ohio, assignor to Deleo-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 1, 1926. Serial No. 85,079. 10 Claims. (Cl. 290-80.)



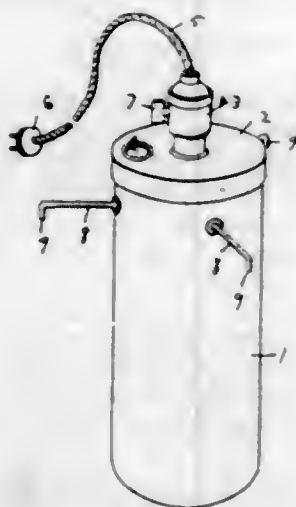
1. An electrical system comprising, in combination, an internal combustion engine, a starting device for said engine, a source of current supply, means for connecting said current supply with said device to crank said engine, and means responsive to a predetermined number of revolutions of the engine for stopping the cranking of said engine in the event of fruitless cranking.

1,735,164. RECOIL MOUNT FOR GUNS. SAMUEL G. GREEN, Gray, Ga. Filed Apr. 21, 1927. Serial No. 185,584. 6 Claims. (Cl. 89-44.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



6. In a gun mount, a support trunnioned for angular movement, a recoilable cradle having means for attachment of a gun and bearing on the support, the axis of the bearing surfaces being inclined with respect to the line of application of thrust transmitted by the gun to the cradle.

1,735,165. ELECTRIC WATER HEATER. CHARLES H. HORNBY, Schenectady, N. Y. Filed May 29, 1928. Serial No. 281,458. 1 Claim. (Cl. 219-45.)

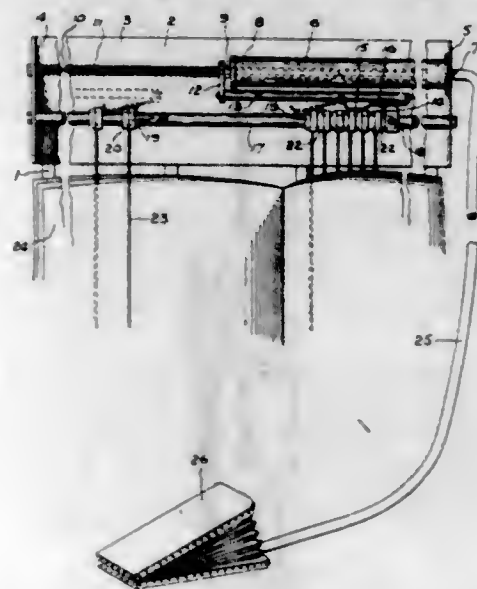


In a liquid heating device of the class described, a casing open at its upper end, the bottom thereof being weighted, a removable lid for the open top of the casing, a lamp socket extending centrally through the lid, an electric lamp secured in the socket for disposition within the upper portion of the casing, and a series of supporting arms extending radially and horizontally from the upper portion of the casing for rest upon the upper edge of a receptacle containing the liquid to be heated, whereby the casing is centrally suspended in a receptacle, the outer ends of the arms being bent to form downwardly extending hooks to prevent displacement of the suspended heater from the receptacle.

1,735,166. PAGE-TURNING DEVICE. FRED HOSSELL, Eburne, British Columbia, Canada, and WILLIAM H. PETERMAN, Waconia, Minn. Filed Mar. 8, 1928. Serial No. 260,169. 2 Claims. (Cl. 84-486.)

1. A book page turning device comprising a horizontally disposed cylinder having a piston and piston rod, means for imparting endwise movement to the piston, a slide bar mounted parallel to the cylinder, a plurality of

movable collars upon the slide bar each having a depending finger, means actuated by movement of the piston in

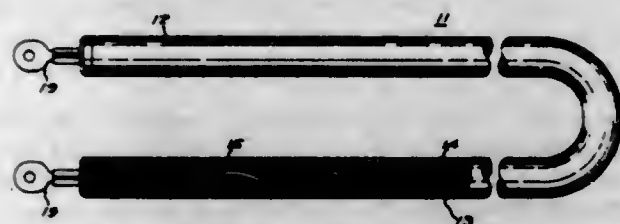


one direction for engaging and moving one of said collars along the slide bar, and means for returning said collar moving means into position to engage another collar.

1,735,167. METHOD OF SALT-GLAZING BRICK AND OTHER CLAY PRODUCTS. SIDNEY H. IVERY, St. Louis, Mo., assignor to Hydraulic-Press Brick Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 24, 1928. Serial No. 256,813. 10 Claims. (Cl. 25-157.)

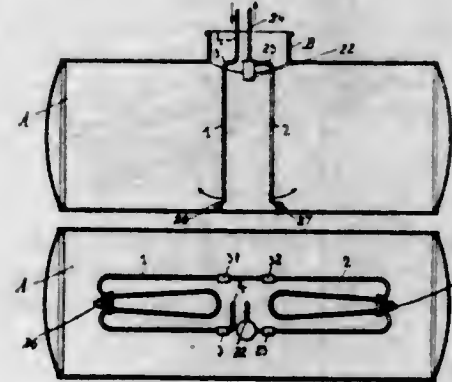
1. The process of making a salt glaze upon coarse clay articles by applying to the surfaces to be glazed, a mixture (slip or engobe) of kaolin, flint, alkali silicates of aluminum, frit, ball clay and a color ingredient; then drying the articles and the applied mixture, then placing the articles so treated in an ordinary salt glazing kiln in such manner that the surfaces of the articles to be glazed will be exposed to the gases of the fire, then burning or firing the articles and when the burn has about reached the finishing stage and the temperature is at or near its maximum, adding common salt to the fire.

1,735,168. TERMINAL FOR HEATING UNITS. WILLIAM R. KING, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 28, 1927. Serial No. 178,872. 2 Claims. (Cl. 201-64.)



1. The method of making a terminal structure for a resistance element located in a sheath or tube which consists in placing a resistance element in a sheath or tube, partially filling the space between the tube and the resistance element with metallic magnesium, pre-shaping a terminal conductor into sinuous form, securing one end of the terminal conductor to one end of the resistance element, inserting the terminal into the tube, and passing an oxidizing medium through the tube or sheath to convert the metallic magnesium to magnesium oxide in situ, whereby the sinuous terminal conductor is secured in place and provides an opening through the oxide at the ends of the tube through which the oxidizing medium may pass until all of the metal about the resistor element has been converted to magnesium oxide.

1,735,169. APPARATUS FOR HEATING LIQUIDS IN TANKS. JAROSLAV KOZELUH, Prague-Smichow, Czechoslovakia. Filed Apr. 7, 1928, Serial No. 268,314, and in Czechoslovakia Nov. 29, 1926. 2 Claims. (Cl. 257-129.)



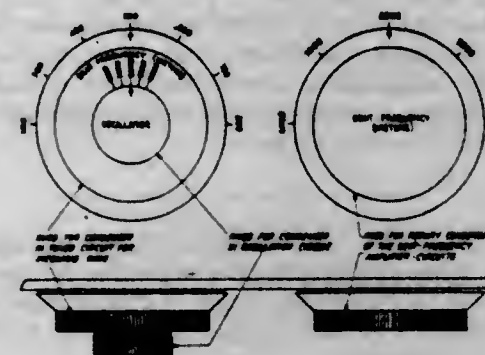
2. A foldable appliance for heating the contents of a tank comprising a casing, means for supplying a heating fluid to, and means for discharging the condensate of the fluid from, said casing, and a heating unit jointed to said casing at its two ends, the center of gravity of the appliance being pitched out of the axis of said casing so that said appliance in its operative position assumes an inclination with the outlet end of said unit at a lower level than its inlet end.

1,735,170. WORKING FLUID FOR REFRIGERATION. ANDREW A. KUCHER, Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 11, 1926. Serial No. 128,656. 11 Claims. (Cl. 252-5.)

2. A working fluid for a refrigerating machine which consists of castor oil and sulphur dioxide forming with the castor oil a physical solution or homogeneous mixture in substantially all proportions.

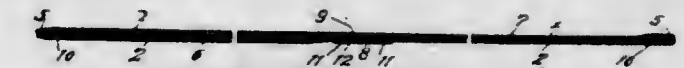
11. The method of lubricating a closed-cycle refrigerating machine which consists in alternately compressing, condensing and expanding sulphur dioxide having intimately mixed therewith particles of castor oil.

1,735,171. BEAT-FREQUENCY HETERODYNE RECEIVER ARRANGEMENT. WALTER KUNZE, Berlin, Germany, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Dec. 13, 1926, Serial No. 155,617, and in Germany Oct. 7, 1925. 4 Claims. (Cl. 250-20.)



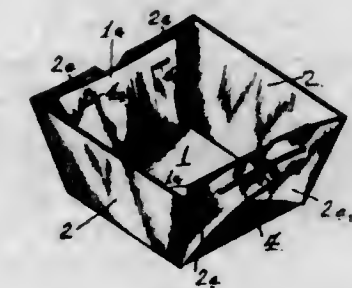
1. In a superheterodyne receiving system, a dial for indicating the incoming signal frequency, a calibrated scale of intermediate beat-frequencies carried by said dial, and a rotary knob, controlling the local oscillator frequency, having an index, arranged to slide over said calibrated scale to indicate directly the intermediate beat-frequency resulting from the conjoint action between the incoming signal frequency and the local oscillator frequency.

1,735,172. NECKTIE. JESSE E. LANGSDORF, Woodmere, N. Y. Filed Aug. 10, 1925. Serial No. 49,349. 4 Claims. (Cl. 2-146.)



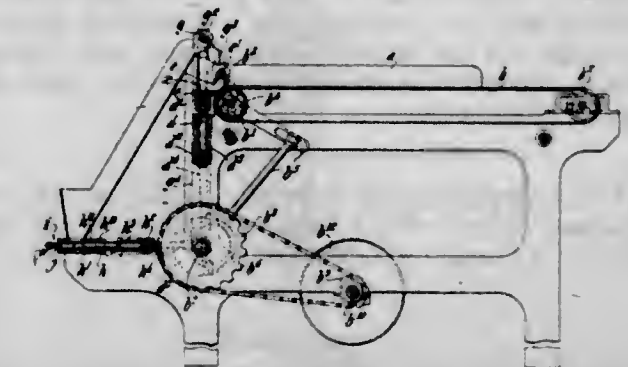
2. A bow tie comprising a body portion and a resilient lining disposed therein in a flat condition throughout its entire area, secured thereto near the opposite ends thereof, and being free therefrom at all other places except at the neckband portion.

1,735,173. BERRY BASKET. GRAEME MACDONALD, San Francisco, Calif. Filed Mar. 24, 1928. Serial No. 264,311. 2 Claims. (Cl. 229-32.)



1. A berry-basket comprising a blank, the central portion of which forms the bottom and ends of the basket, and the side portions form the sides and overlying flaps of the ends; and a clinching staple penetrating said flaps and ends and having its body inwardly arched to arch the basket ends normally inwardly.

1,735,174. APPARATUS FOR DIVIDING OR CUTTING FRUITS AND THE LIKE. ROBERT FRENCH MACFARLANE, London, England. Filed Mar. 30, 1927, Serial No. 179,656, and in Great Britain Apr. 10, 1926. 5 Claims. (Cl. 146-169.)

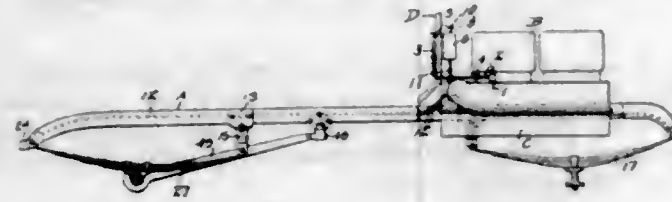


1. Apparatus for automatically dividing fruit and the like comprising in combination, means for selecting individual fruits from a mass, plungers, means for transferring said fruits from said selecting means to be acted upon by the plungers, cutting dies through which said fruits are forced by said plungers for dividing them to the required number of parts, a conveyor for feeding the fruits towards said selecting means, and rotary wipers for passing said fruits from the conveyor to the selecting means, said wipers being of resilient material operating to ensure the mass of fruit being accumulated in the path of the selecting means whereby the latter may select single fruits.

1,735,175. LUBRICATING SYSTEM FOR MOTOR VEHICLES. ALBERT C. MENGES, Greenville, Miss., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 6, 1920. Serial No. 394,027. 21 Claims. (Cl. 184-7.)

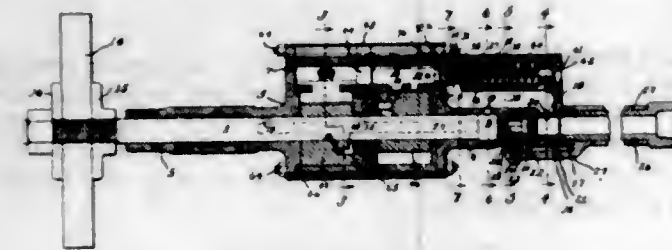
1. A lubricating system for motor vehicles and the like including a supply casing, an absorbent therein, a distribut-

ing pipe in communication with said casing, cooperating bearing members, one of said members comprising a bolt having a duct therein, there being lubricant outlets extending from the duct to the surface of the bolt, a pocket within



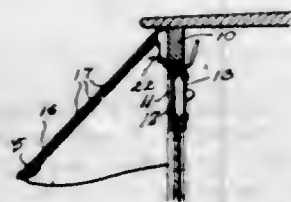
one of the bearing members, an absorbent therein, means for establishing communication between the distributing pipe and the duct in the bolt, and means for establishing communication between the pocket and duct.

1,735,176. FLUID-PRESSURE MOTOR. EDWARD J. MOORE and RAYMOND H. MOORE, Cleveland, Ohio, assignors, by mesne assignments, to The Rotor Air Tool Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 31, 1919, Serial No. 314,511. Renewed Dec. 17, 1925. 8 Claims. (Cl. 121-34.)



1. In a rotary motor, the combination of a cylinder, a rotor therein, a shaft extending through said cylinder and to which said rotor is secured, said shaft having a bore for lubricant and a port extending from said bore to conduct lubricant to said cylinder, a fluid pressure conduit communicating with said cylinder, and a connection between said conduit and the supply portion of said bore thereby to equalize the pressure upon the said port and upon the supply end of said bore.

1,735,177. AUTOMOBILE VISOR. FRANK W. PEARCE, Columbus, Ohio. Filed Mar. 8, 1928. Serial No. 260,172. 2 Claims. (Cl. 296-85.)

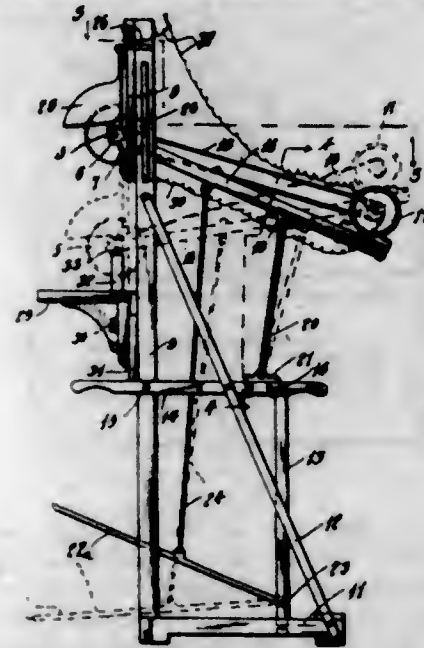


1. In a motor vehicle, a windshield, a frame structure disposed above said windshield and provided with a vision opening, a sun visor arranged to the front of said structure and said windshield, said visor being provided with an opening disposed in registration with the opening in said frame structure and a shutter slidably carried on the under side of said visor for opening and closing the opening in said visor.

1,735,178. SAWING MACHINE. PHILIP WARD PITTMAN, Durango, Colo. Filed Feb. 26, 1927. Serial No. 171,186. 5 Claims. (Cl. 143-47.)

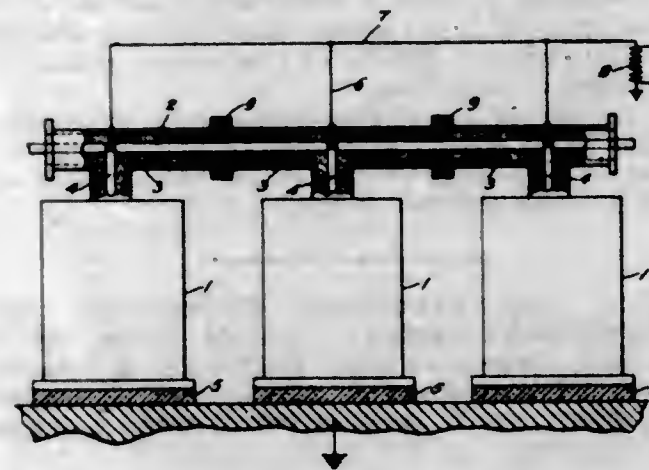
1. The combination of a supporting structure, a saw carriage mounted to slide vertically thereon, a shaft rotatably journaled in bearings on the saw carriage, a circular saw

fixed to said shaft, a beam intermediately pivoted to the supporting structure and secured at one end to the saw carriage, an electric motor mounted on the other end of the beam and serving as a counterbalance to normally hold



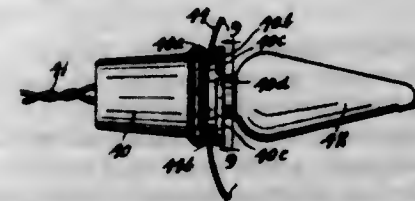
the first mentioned end of the beam and the saw carriage in an elevated position, a drive connection between the motor and the said shaft, and foot pedal means for lowering the saw carriage against the weight of said motor.

1,735,179. ELECTRICAL APPARATUS. KARL C. RANDALL, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 11, 1927. Serial No. 182,617. 10 Claims. (Cl. 171-97.)



5. An electrical system comprising apparatus units spaced apart, conductors interconnecting said units, a casing enveloping said units and conductors in a mechanically continuous enclosure, insulating sectors in the walls of said enclosures disposed to sub-divide it electrically into a plurality of series-related sections and a ground-bus connected to each of said sections.

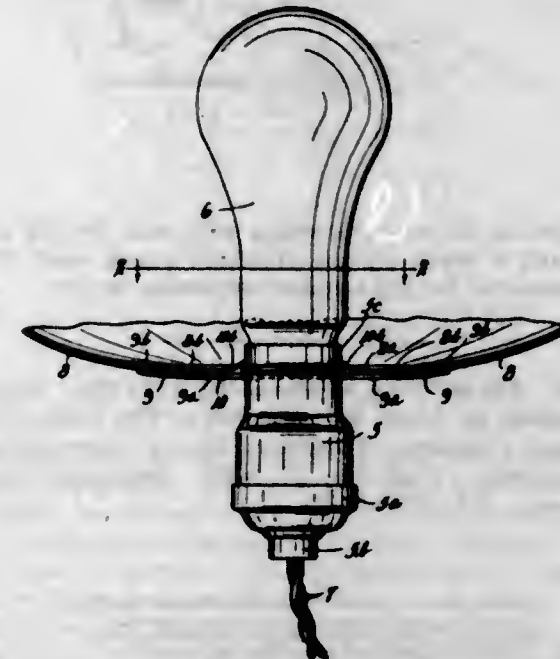
1,735,180. SOCKET AND REFLECTOR. LAMBERT L. RAYMOND, Minneapolis, Minn., assignor to Broderickson-Raymond Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 12, 1926. Serial No. 87,849. 3 Claims. (Cl. 240-128.)



1. A device of the class described comprising a Christmas tree lamp socket having an outer portion with a cir-

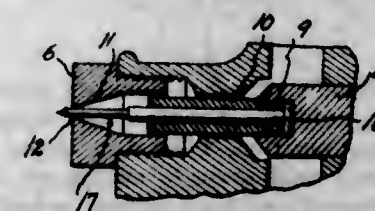
cumferentially extending rib adjacent its front end provided with a plurality of circumferentially spaced notches, a reflector having a central opening therein adapted to embrace the front end of the socket, said reflector having spaced tongues extending inwardly from the edge of said opening adapted to align with and pass through said notches, the distance from the center of said opening to the inner edges of said tongues being less than the radius of said rib, whereby said reflector may pass to the rear of said rib and may be rotated and held on said socket against the rear side of said rib with said tongues and notches out of alignment.

1,735,181. REFLECTOR-ATTACHING DEVICE. LAMBERT L. RAYMOND, Minneapolis, Minn. Filed Mar. 30, 1927. Serial No. 179,488. 1 Claim. (Cl. 240-103.)



1. A reflector for a lamp socket having a central portion of resilient sheet metal and disposed in one plane, said portion having a central opening therethrough of slightly smaller diameter than a lamp socket on which the reflector is to be fitted, said portion having a series of radial slits extending from said opening, thus forming resilient tabs disposed in the plane of said portion, said opening being adapted to receive a lamp socket and said tabs being sprung out of the plane of said portion by said socket, said tabs thus frictionally engaging said socket with their ends to hold said reflector in place, said tabs springing back into one plane when said reflector is removed.

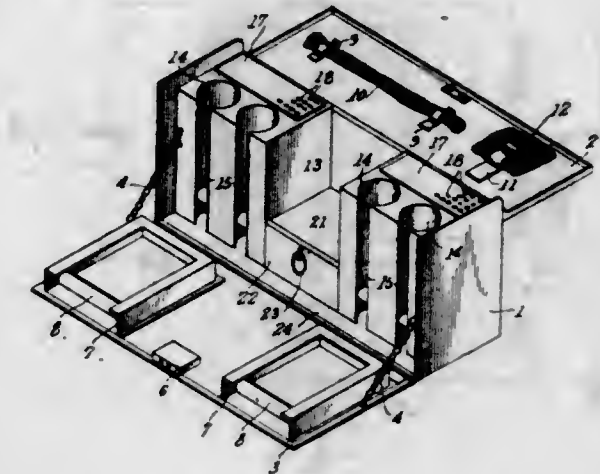
1,735,182. BURNER STRUCTURE. FREDERICK RUPPEL, Halfway, Mich., assignor to French Road Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 2, 1927. Serial No. 230,426. 3 Claims. (Cl. 158-120.)



1. A burner structure for torches and the like, comprising a jet block with an orifice of predetermined size, a valve stem and valve in alignment with the axis of said jet block, a valve seat between said valve and jet block, a plug having a bore of commercial size removably inserted in the end of the valve stem and centrally of said valve, and a common pin having its head positioned between the plug and the valve stem and having its end recessed to fit the jet block orifice.

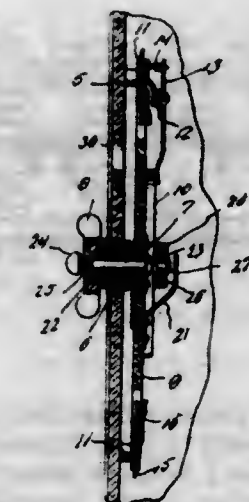
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1,735,183. HAIR-WAVING-OPERATOR'S CABINET. FELIX SALERNO, New York, N. Y. Filed July 27, 1927. Serial No. 208,724. 8 Claims. (Cl. 132-79.)



1. In a device of the character described in combination with a cabinet having a hinged top and a hinged vertical wall, retaining clips on the inside face of the top, a plurality of perforate spindle receptacles, and means for retaining and segregating pads.

1,735,184. SELECTOR-SWITCH FOR ANNUNCIATOR SYSTEMS. ANTONIO SANCHEZ, Washington, D. C. Filed Dec. 28, 1927. Serial No. 242,983. 5 Claims. (Cl. 200-7.)

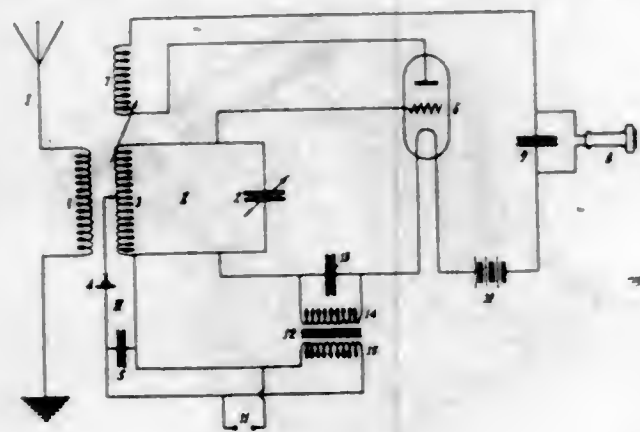


1. In an electric switch of the character described, a support, a dial mounted for rotation on said support, means at one side of the support whereby said dial may be rotated, a plurality of stationary contacts arranged around said dial, and a conductor ring arranged upon said dial, a stationary member arranged on the support and having wiping engagement with said conductor, a conductor pin carried by and projecting from said dial and adapted for engagement with said stationary contacts, and means operable for electrically connecting said pin with said conductor ring.

1,735,185. RADIORECEIVER. WALTER SCHAEFFER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Feb. 24, 1925, Serial No. 11,022, and in Germany Mar. 26, 1924. 3 Claims. (Cl. 250-20.)

1. A high frequency receiving circuit comprising a three element vacuum tube, a tuned input circuit and a condenser connected in series with said tuned input circuit across the grid and filament of the vacuum tube, a feed back coil and a signal indicator connected in series between

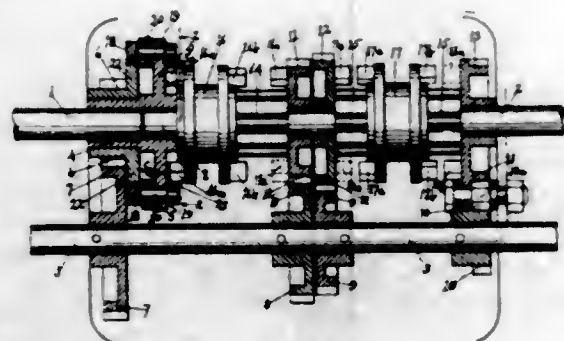
the plate and filament of the vacuum tube, an audio frequency transformer having one of the windings connected across said condenser and the other winding connected in



series with a detector device and at least a portion of said tuned input circuit and a pair of terminals connected to opposite ends of said last mentioned other winding.

1,735,186. [WITHDRAWN.]

1,735,187. TRANSMISSION MECHANISM. OLE O. STORLE, Tacoma, Wash. Filed Dec. 6, 1924. Serial No. 754,407. 2 Claims. (Cl. 74-59.)

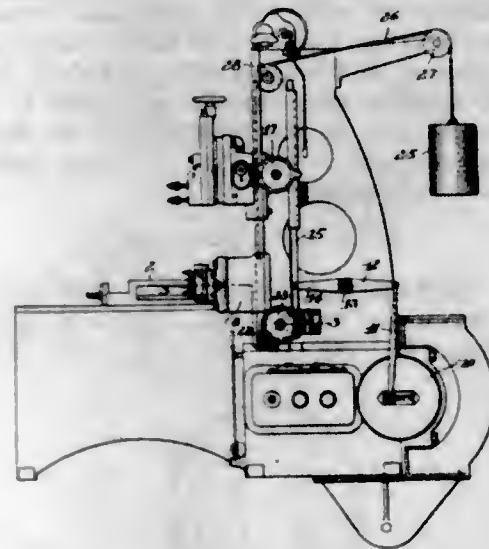


1. A transmission gearing comprising a drive-shaft, a sleeve fixed on said shaft to rotate therewith and formed with a radially extending flange, a driven shaft journaled in said sleeve, a drive-gear loosely mounted on said sleeve and provided with a radially extending flange formed with peripherally disposed recesses, spring-influenced dogs pivotally mounted on the radial flange of the aforementioned sleeve of the drive-shaft and disposed to engage said peripherally disposed recesses, levers connected to the pivots of said dogs, and a shiftable member provided with lugs positioned to be brought into engagement with the levers of the dogs upon shifting said member to disengage said dogs from inter-locking engagement with said radial flange.

1,735,188. CRANK PLANING MACHINE. ALFRED TROSCHE, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y., a Corporation of Delaware. Filed May 3, 1926. Serial No. 106,439. 3 Claims. (Cl. 90-40.)

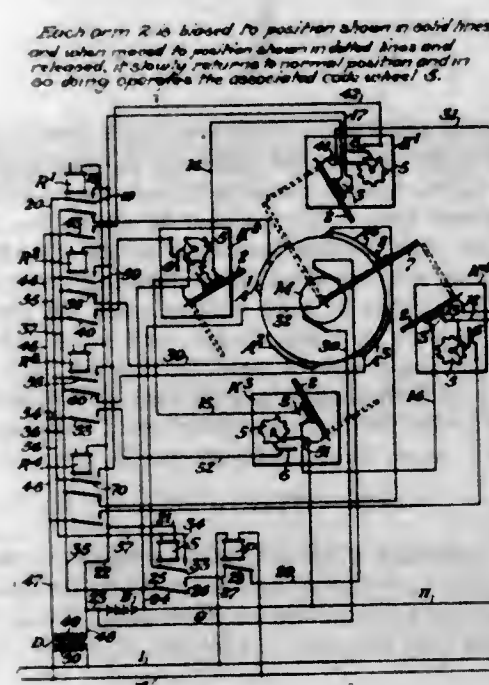
1. In a crank planing machine, the combination with a work table and crank mechanism for imparting a quick return movement thereto, said crank mechanism including a crank shaft for controlling movement of the work table, of uprights, a crossrail adjustable on said uprights, one of the uprights extending to a point beneath the top of the work table and spaced laterally therefrom, a tool head movable on the crossrail, a second tool

head movable on the last named upright to a point beneath the top of the work table and opposite one side thereof, feeding mechanisms for the tool heads, a com-



mon actuating device cooperating with said feeding mechanisms, and a crank on the aforesaid crank shaft operatively connected to said common actuating device.

1,735,189. SELECTIVE SIGNALING SYSTEM. STANLEY J. TURNER, St. Louis, Mo., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 19, 1928. Serial No. 293,955. 2 Claims. (Cl. 177-380.)

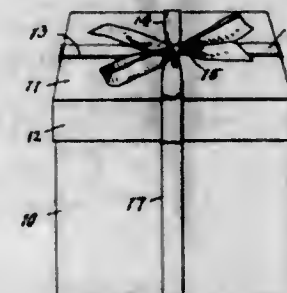


1. In combination, a series of relays, a plurality of operating arms one associated with each relay and each biased to a normal position, a lever, a motor for driving said lever to engage said arms in succession to move the arms to their operated positions, means controlled by each arm for transmitting a distinctive indication as the arm returns to its normal position provided the associated relay is energized, a circuit for said motor arranged to be closed when any one of said relays is energized and all said arms occupy their normal positions, means for also energizing said motor when said lever engages any one of said arms, and means for energizing said motor when any arm is returning to its normal position provided the associated relay is de-energized and another relay is energized.

1,735,190. FLOTATION PROCESS. SEYMOUR POWER WARREN, Golden, Colo. Filed Apr. 19, 1928. Serial No. 271,413. 5 Claims. (Cl. 209-167.)

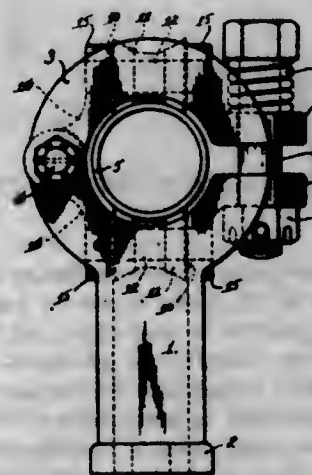
1. The process of concentrating values in complex sulphide ores, which comprises subjecting the ore to a series of froth flotation operations in successive stages in the presence of a reagent comprising ammonium compounds and copper salts of weak acids, the said salts having the property of accelerating the selective concentration of the copper, gold and silver values in a series of predetermined fractions.

1,735,191. ORNAMENTAL BOX. WILLIAM WEISENBERG, Cleveland, Ohio, assignor to The Halle Brothers Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 28, 1928. Serial No. 265,461. 2 Claims. (Cl. 229-8.)



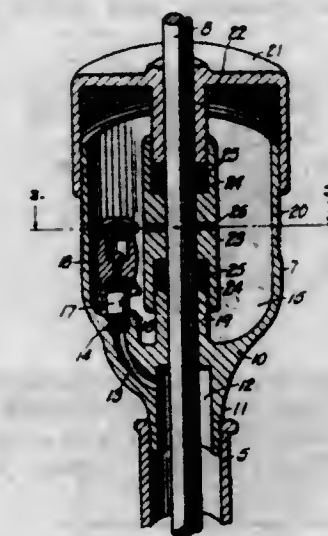
1. The combination of a box and a lid therefor having a rim telescoping with the box on the exterior thereof, a ribbon extending across said lid and around said rim with its ends secured on the interior of the lid, and opposite sides of said box having ribbons thereon in registration with portions of the first-mentioned ribbon with ends secured to the box and concealed by said rim, the whole simulating a box and lid with a ribbon extending therearound.

1,735,192. SUPPORT FOR PIPES, RODS, AND THE LIKE. AUSTIN D. WILLIAMS, FRANK B. GILLET, and RUSSELL P. CLARK, Sacramento, Calif. Filed Sept. 4, 1928. Serial No. 303,742. 2 Claims. (Cl. 248-31.)



1. A support for longitudinally movable pipes, rods and the like comprising complementary body and cap members for embracing the supported object; a hinge connecting said members at one side; a bolt connecting said members at the other side; a spring associated with said bolt and forming therewith a resilient connection between said members; and rollers carried by said members and adapted to bear against the supported object.

1,735,193. STUFFING BOX. EARL WILSON, Stroud, Okla. Filed Aug. 12, 1927. Serial No. 212,525. 3 Claims. (Cl. 286-27.)



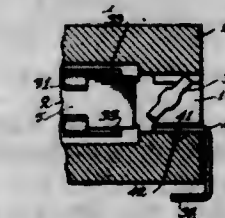
1. A device of the character described including a cup-shaped base and a cover adjustable on the base, the base and cover each having an inwardly directed gland, and an intermediate bearing member having packing boxes at its ends co-operative with the respective glands.

1,735,194. FISHPLATE FOR RAILWAYS OR TRAMWAYS. SAMUEL SUMMERSON WRIGHTSON and CHARLES RICHARD MATTHEWS, Albert Hill, England. Filed Nov. 19, 1928. Serial No. 320,469, and in Great Britain Mar. 1, 1928. 4 Claims. (Cl. 238-243.)



1. A fishplate which is formed with its sides or fishing surfaces longitudinally curved or convex and which is spring tempered so that when a pair of such fishplates is bolted up into position, the bolts at the extremities of the fishplates will tend to straighten out the curved surfaces, and when the said bolts are released the curvatures will resume their initial manufactured form.

1,735,195. STAPLING DEVICE. JESSE G. BATES, Chicago, Ill. Filed Sept. 20, 1928. Serial No. 307,198. 5 Claims. (Cl. 1-48.)



1. A stapling device comprising a support, a guideway on said support for a strip of staples, said guideway having an outlet at one end in prolongation thereof, means for severing the foremost staple from the strip, and mechanism for feeding the strip along said guideway to said severing means, said feeding mechanism being adapted to throw the last staple of the strip to eject same through said outlet after the preceding staple has been severed.

1,735,196. CONDUIT FITTING. JOHN C. BORTON, Cleveland, Ohio. Filed Dec. 2, 1926. Serial No. 152,077. 1 Claim. (Cl. 247-27.)

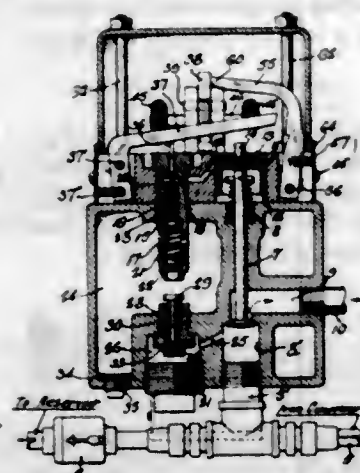
A fitting of the character set forth comprising an externally threaded ring, opposed socket members screwed

onto the opposite ends of said ring into engagement with each other so that each acts as a lock nut for the other, said socket members having openings in their outer ends, and a tubular nut occupying each socket member and



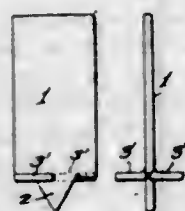
arranged to rock therein in all directions while bearing on the portion of said member surrounding its opening, said ring having parts common to, and cooperating with parts of, both tubular nuts for holding them against turning.

1,735,197. COMPRESSOR GOVERNOR. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed July 18, 1924. Serial No. 726,876. 4 Claims. (Cl. 137-153.)



1. In a compressor control, the combination with the discharge line of a compressor, of a relief valve in said line, fluid-pressure-operated means for opening said relief valve, a primary valve for controlling the operation of said fluid-pressure-operated means, and means for controlling the operation of said primary valve including a lever for opening said primary valve, a latch engageable with said lever when the lever has moved the primary valve to open position to hold said primary valve open, and means responsive to pressure in the reservoir for moving said lever to a valve-opening position when the pressure in the reservoir reaches a predetermined limit.

1,735,198. FORM SPACER FOR CONCRETE FIRE-PROOFING FOR STEEL STRUCTURES. WALLACE A. FERRIS, Los Angeles, Calif. Filed Oct. 27, 1926. Serial No. 144,455. 2 Claims. (Cl. 72-122.)



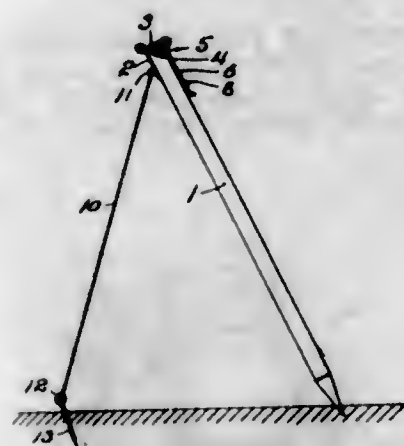
1. A spacer consisting of a flat body having a straight form engaging edge at one end and provided at the opposite end with a tooth adapted to be driven into the form, and also provided at each side with a foot, said feet extending in opposite directions from the flat body to form stops to contact with the face of the form and to hold the body perpendicular to said face.

1,735,199. MEANS AND METHOD OF ASSEMBLING NIBS AND FEED MEMBERS FOR FOUNTAIN PENS. CHARLES JAKOB FUNK, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 14, 1924. Serial No. 731,896. 16 Claims. (Cl. 120-52.)



1. In combination with a feed member, for a fountain pen, means for adjustably seating a nib on said feed member in a definite position, and a holding means for maintaining such position of said nib, said holding means comprising a tapered sleeve and constructed and arranged to provide for the detachment of said feed member and assembled nib from the barrel portion of said fountain pen.

1,735,200. CLOTHESLINE PROP. JOSEPH P. GUIHEN, Kansas City, Mo. Filed June 11, 1928. Serial No. 284,453. 1 Claim. (Cl. 68-3.)

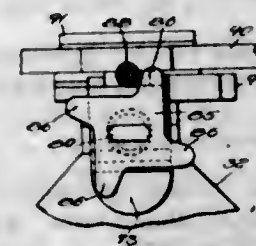
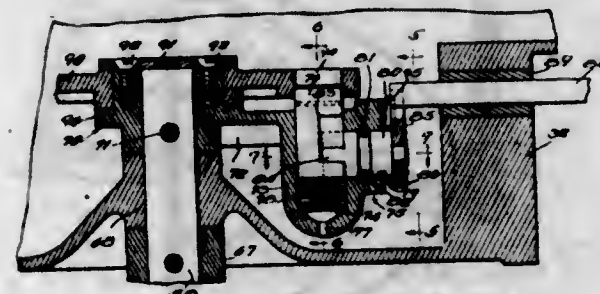


In a clothes line prop, a pole, a hinge leaf fastened to the upper portion of the pole, a second leaf hinged to the first leaf and adapted to be swung to and from a position in which it will be adapted to clamp a clothes line to the pole, means for releasably fastening the second leaf in the clamping position, a pin adapted for insertion into the ground as an anchor, and a flexible member attached to the pin and the pole and of a length that it is adapted to hold the pole from swinging upwardly from an inclined line holding position.

1,735,201. CLUTCH AND DRIVING MEANS. RUDOLPH W. JANDA, Berwyn, Ill., assignor to Conlon Corporation, Cicero, Ill., a Corporation of Illinois. Filed Sept. 25, 1926. Serial No. 137,748. 8 Claims. (Cl. 192-92.)

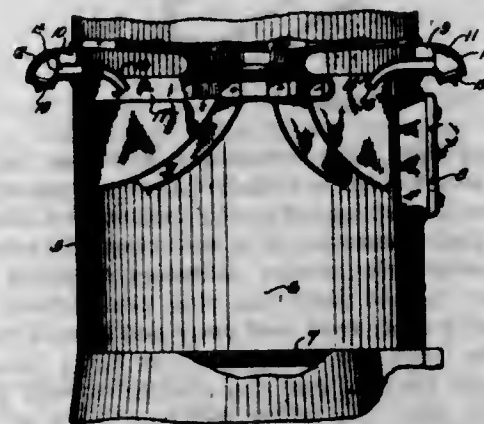
1. In combination, a drive shaft, a clutch member fastened thereto, a clutch plate loosely mounted on said shaft

adjacent said member, said plate having a recess, a plunger carried by said member adapted to engage in said recess, means carried by the member for controlling the position of said plunger, said controlling means being



unidirectional in its operation, and means for actuating the controlling means to cause the plunger to be moved into said recess and thus connect the clutch plate to said member, the plunger being withdrawn from the recess upon the succeeding actuation of the controlling means.

1,735,202. CARBURETOR. EDWIN A. JONES, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 15, 1926. Serial No. 148,455. 2 Claims. (Cl. 110-75.)

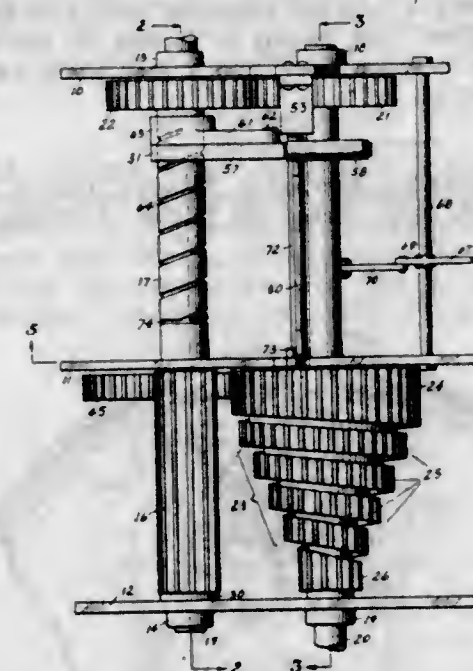


1. The combination with a heater having a fire pot and a door opening into the fire pot and an opening above the same, of a carburetor therefor, comprising a rectangular carburetor casing connected to the heater and having an extension of less cross sectional area than the other portion extending through the opening above the door and downwardly toward the fire pot to a point above the plane of the door opening and having an open end for directing air downwardly toward the fire in said fire pot, the outer portion of the casing of larger cross sectional area curving outwardly and downwardly and terminating on a plane above the plane of the inner end of the extension, and a slidable gate valve mounted on the outer lower open end portion of the casing for controlling the flow of air through the casing.

1,735,203. SPEED-CHANGING DEVICE. PATRICK J. KILCULLAN, Philadelphia, Pa. Filed Feb. 14, 1928. Serial No. 254,265. 9 Claims. (Cl. 74-58.)

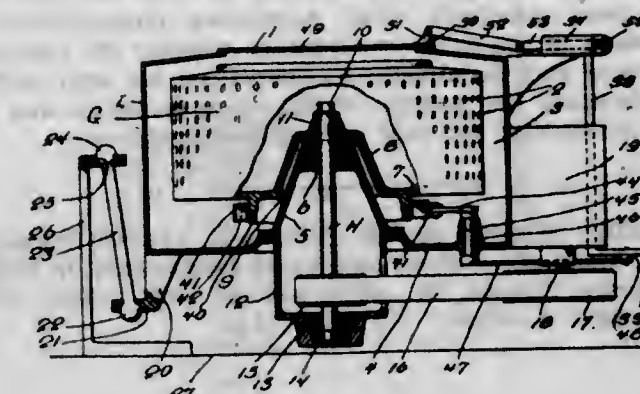
1. A speed changing device including a driving gear, a helical gear rotatable adjacent the driving gear, an idler

gear meshing with the driving gear, means for moving the idler gear into and out of mesh with the helical gear,



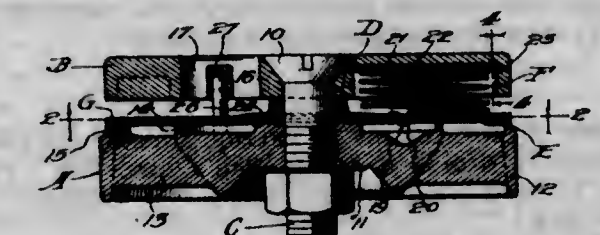
means for feeding the idler gear along the helical gear, and means for returning the idler gear to its starting position after it is disengaged from the helical gear.

1,735,204. CONTROL MECHANISM FOR CENTRIFUGAL MACHINES. HUBERT J. M. C. KRANTZ, Aachen, Germany. Filed Oct. 16, 1926. Serial No. 142,076. 6 Claims. (Cl. 192-136.)



1. In a centrifugal machine, a rotatable member, a drive motor connected to rotate said rotatable member, a displaceable guard for said rotatable member, locking means for holding said guard against displacement, a brake for said rotatable member, and means to produce an unlocked condition of said guard locking means and to insure an "off" position of the motor whenever the brake is "on."

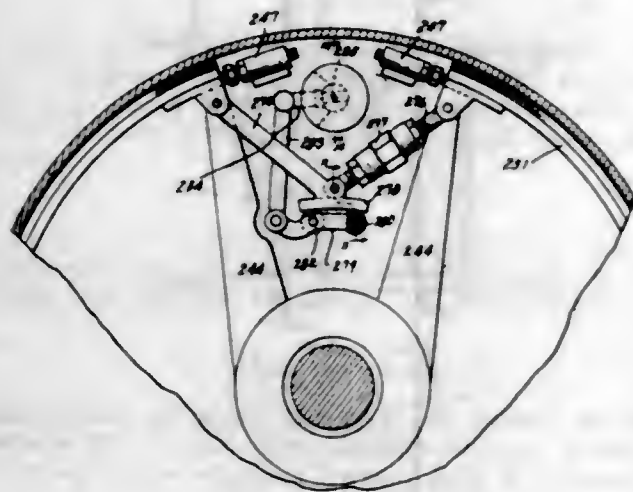
1,735,205. VALVE FOR COMPRESSORS. CHARLES H. LEINERT, Chicago, Ill., assignor to Leinert Valve Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 21, 1927. Serial No. 160,723. 10 Claims. (Cl. 251-119.)



1. A valve of the kind described in which is combined a seat member and a stop plate in spaced relation, a valve

plate resting upon the seat member, spring means disposed between the valve plate and the stop plate, and a fast connection between the spring means and the stop plate comprising a member expanded into a locking fit within the latter, and having a portion of the spring means secured between itself and a stop plate, substantially as described.

1,735,208. BRAKE. EDWARD J. MADDEN, Detroit, Mich. Filed Dec. 16, 1925. Serial No. 75,695. 5 Claims. (Cl. 188-78.)



4. In a brake consisting of a drum and an internal expanding brake band having means to fix the radial position of the ends of said band, a toggle joint for expanding said band constructed and arranged to move the ends of said band relatively while permitting circumferential movement of the entire band, means whereby the ends of said band may be adjusted to compensate for wear without changing the position of the operating lever, and a stop for limiting the said circumferential movement.

1,735,207. SCREEN SLIDE. REINOLD H. NATZKE, Chicago, Ill., assignor, by direct and mesne assignments, to Ellis Johnson, Chicago, Ill. Filed Mar. 10, 1928. Serial No. 260,568. 2 Claims. (Cl. 156-14.)



2. As a new article of manufacture, a guide strip of substantially U-shape in cross-section, securing members each comprising a shank and a rounded head of increased diameter fitting into the bight portion of the strip and completely enclosed thereby, the strip having elements projecting inwardly from the sides thereof and cooperating with the head and shank of the respective securing members for holding the same against movement relative to the strip, said securing members projecting outwardly beyond the strip for engagement into a support.

1,735,208. LENS. HENRY M. NELSON, Minneapolis, Minn., assignor to George B. Shaw, Eau Claire, Wis. Filed Oct. 7, 1926. Serial No. 140,069. 3 Claims. (Cl. 240-48.4.)

1. A lens comprising a body portion providing a circular plate, a tubular deflector connected to said plate and extending toward the source of light, said tubular deflector

being concentrically arranged relative to said plate, and a plurality of horizontal deflector plates connected to said

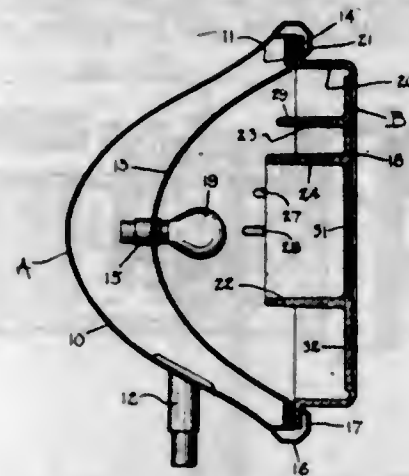
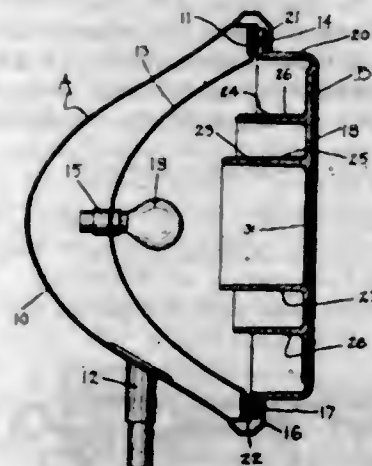


plate and extending up to said tubular deflector, said deflector plates being situated across the upper half of said face.

1,735,209. LENS. HENRY M. NELSON, Minneapolis, Minn., assignor to George B. Shaw, Eau Claire, Wis. Filed Oct. 7, 1926. Serial No. 140,070. 2 Claims. (Cl. 240-48.4.)



1. A head light lens comprising a flange for attachment in a lens holder, a ring like portion connected with said flange and issuing outwardly beyond the lens holder, a circular plate connected with said ring like portion and a pair of concentric tubular deflectors centrally situated with respect to said plate and ring like portion, said deflectors issuing away from said plate and toward the source of light, the larger of said deflectors being longer than said ring like portion, and the smaller of said deflectors being longer than the larger deflector, both of said deflectors being formed with mirrors upon the surfaces of the upper halves thereof for causing light rays approaching the same to be deflected downwardly.

1,735,210. HAND TOOL. FAYETTE NIMS, Montour Falls, N. Y. Filed Dec. 17, 1927. Serial No. 240,672. 2 Claims. (Cl. 294-49.)



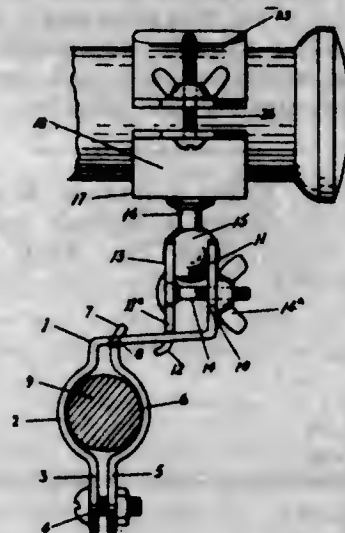
1. In a hand tool, a blade and handle, said handle being of tapered tubular form with a longitudinal seam on one of its sides, said blade being integrally formed of sheet metal, the blade comprising an integral enlarged extension of the smaller end of the handle, said handle comprising a pair of end flaps formed integrally therewith and returned against its interior surface adjacent the junction of the handle and the blade, to form a substantial closure of the tubular handle at its smaller end.

1,735,211. BOOKBINDER. LOUIS F. PARR, Chicago, Ill. Filed Apr. 23, 1927. Serial No. 186,011. 5 Claims. (Cl. 129-1.)



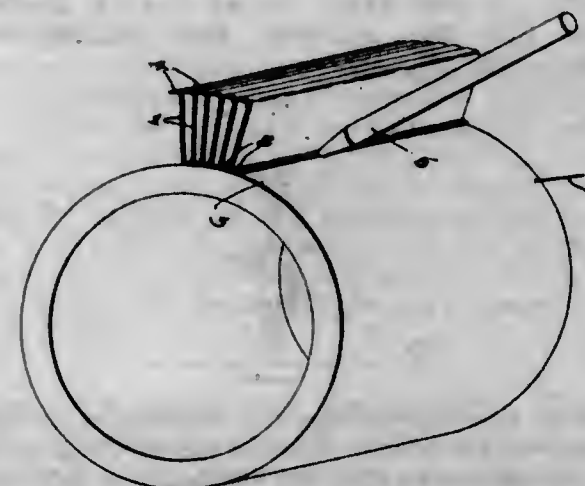
3. In a loose leaf book, a flexible binding post consisting of a coil spring, a plurality of folded leaves having U-slots therein at the folds through which said coil spring passes, and a wire of bowed formation for lying under the coil spring and within said folds of said leaves whereby to hold said leaves in position.

1,735,212. FLASH-LIGHT SUPPORT. EWALD F. PAWSAT, Maysville, Ky., assignor to Wald Manufacturing Company, a Corporation of Kentucky. Filed Dec. 15, 1928. Serial No. 326,329. 2 Claims. (Cl. 240-52.)



1. A device of the character specified comprising in combination with a plate, means for securing said plate to a handle bar, cooperating members for securing the barrel of a flash light, a plate arranged to be hingedly secured to said first mentioned plate, circular notches in the ends of said plates, and a ball on one of said members arranged to be clamped in said notches between said plates.

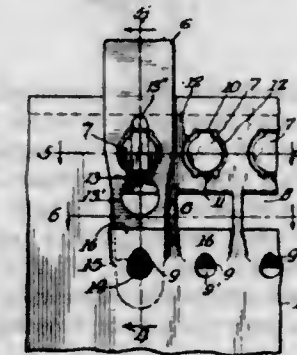
1,735,213. METHOD OF ATTACHING FINS TO CYLINDERS. LEWIS J. PUNDY, Syracuse, N. Y., assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y., a Corporation of New York. Filed Jan. 4, 1928. Serial No. 244,509. 2 Claims. (Cl. 219-10.)



1. The process of attaching fins to cast iron cylinders consisting in heating angular flanges on the inner edges

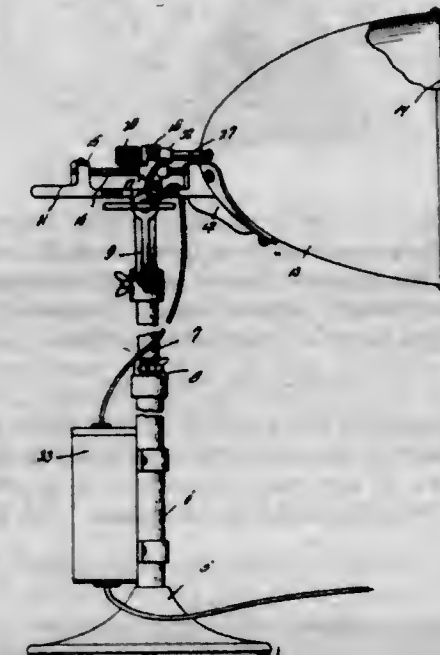
of the fins and overlying the cylinder wall from the outer sides of the flanges until the flanges are fused and the underlying or local portion only of the cylinder wall melted to less degree and sufficiently to permit the fused fins to run into the pores of the melted cast iron and form an alloy with the underlying local portion of the cylinder.

1,735,214. INDEX TAB. GEORGE W. SCHAEFER, South Braintree, Mass., assignor to Addressograph Company, Chicago, Ill., a Corporation of Delaware. Original application filed Oct. 1, 1925, Serial No. 59,825. Divided and this application filed May 8, 1928. Serial No. 276,054. 12 Claims. (Cl. 129-16.8.)



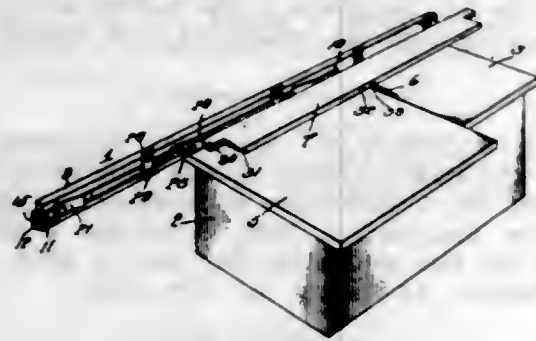
1. A tab having a keyhole slot therein for detachable engagement with a printing device.

1,735,215. CURATIVE-RAY GENERATOR. LAWRENCE G. SCHWANZEL and OLIVER A. KNISELY, Toledo, Ohio; said Schwanzel assignor to said Knisely. Filed Apr. 3, 1928. Serial No. 266,970. 1 Claim. (Cl. 176-103.)



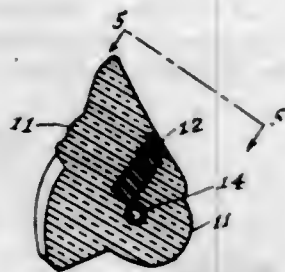
In a ray generating apparatus comprising a base, a reflector mounted on said base, and formed with a pair of closely spaced openings, said base being provided with a slot extending parallel with respect to the axis of the reflector, a block slidable within the slot, a cross member having slots in each end portion upon the block, upstanding constructions on said base, a pair of spaced and convergently mounted guide rods mounted on said constructions, a collar slidable on each rod, a clamp structure on each collar, a carbon stick holder disposed through each clamp structure, and complementary means between the collars and the cross member whereby the collars may be slid inwardly on the cross member as the collars are simultaneously moved toward the reflector for feeding the carbon sticks carried by the holders through the openings in the reflector, said complementary means consisting in a pin depending from each collar and disposed through one of the slots in the cross member.

1,735,216. CUTTING GAUGE. SAMUEL W. SIMS, Portland, Oreg. Filed Mar. 5, 1929. Serial No. 344,525. 2 Claims. (Cl. 144-84.)



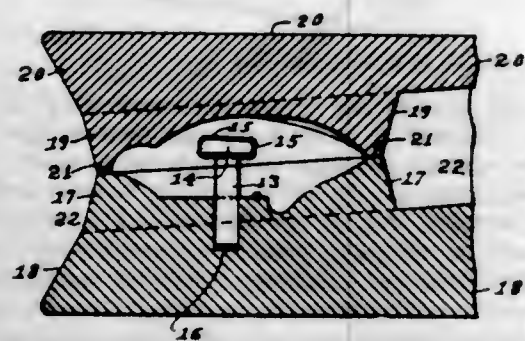
1. A gauge-device of the class described, a frame having a longitudinal recess therein, a member slidable in said recess, and arranged to be adjustably secured therein, said slide-member having an undercut recess along its length, a plurality of blocks securable in said slide-recess and housed in said frame recess, and a resiliently flexible gauge-strip secured at one end to each said block and having its other end extending outwardly beyond the face of said frame to engage the end of a board.

1,735,217. ARTIFICIAL TOOTH AND FACING. LAKE H. SPRINKLE, Brooklyn, N. Y. Filed Mar. 20, 1928. Serial No. 263,112. 6 Claims. (Cl. 32-9.)



1. An artificial tooth or facing, having therein one or more threaded openings with rounded threads and grooves therebetween, the cross-section of said threads and grooves forming a continuously smooth curve, for anchoring therein in corresponding parts of plate and backings.

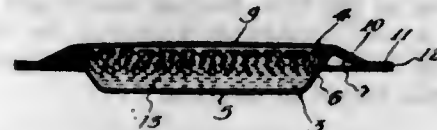
1,735,218. PROCESS OF LINING WITH FOIL ANCHORAGE OPENINGS IN ARTIFICIAL TEETH AND FACINGS. LAKE H. SPRINKLE, Brooklyn, N. Y. Filed Mar. 27, 1928. Serial No. 265,155. 2 Claims. (Cl. 32-6.)



1. A process of lining with foil anchorage openings in artificial teeth and facings consisting in providing discs of foil of non-combustible material and pins of combustible material having thereon each a head and a shank, said head being larger than the shank, then pressing by means of a suitable die said disc of noncombustible foil on to one side of said head and then turning the rim of said disc

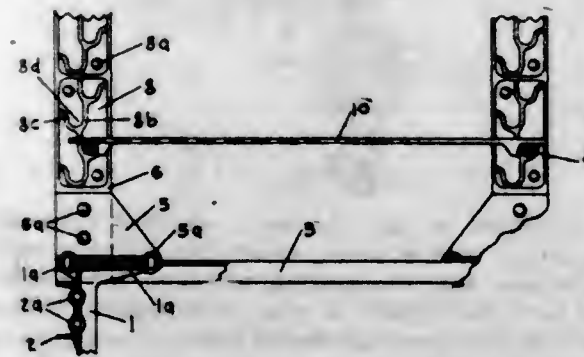
over said head and pressing said rim thereunto until it forms a cap enclosing said head, then introducing said pin with said cap of foil on its head into the material of an artificial tooth or facing, when the same is being molded, and then having said pin with the head thereof consumed in a furnace, leaving said foil as a lining in the undercut of the opening formed in the body of said tooth or facing by said head.

1,735,219. CONTAINER FOR COLORING MATERIAL. WILLIAM M. STUELM, River Forest, and EDWARD G. ALLEN, Oak Park, Ill., assignors to John F. Jelke Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 8, 1928. Serial No. 310,969. 5 Claims. (Cl. 229-1.5.)



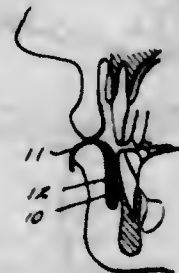
1. A container comprising a plate having a centrally dished portion and a downwardly and outwardly inclined annular ring integral therewith, a second plate having a substantially flat central portion sufficient in area to cover the dished portion of the first plate and a downwardly and outwardly extending annular ring complementary to the ring of said first mentioned plate, and means for connecting said complementary portions together.

1,735,220. RACK. HARRY S. TAYLOR, Erie, Pa., assignor of one-fourth to George R. Metcalf and one-fourth to Edward E. Walker, Erie, Pa. Filed Dec. 10, 1926. Serial No. 153,905. 4 Claims. (Cl. 211-136.)



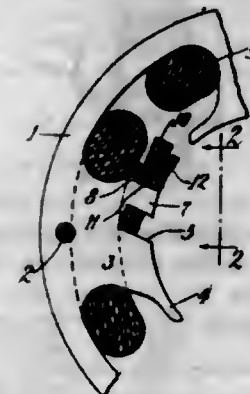
1. In a rack, the combination of corner posts; staggered sockets on the inner faces of the posts, the sockets opening inwardly and laterally; supporting rods in the sockets, said rods extending at right angles to the inner faces of the posts; and shelves on the rods.

1,735,221. APPARATUS FOR APPLYING MEDICAMENTS TO THE LIPS. OLIVER TEMPLE, Dyersburg, Tenn. Filed Sept. 25, 1928. Serial No. 308,180. 6 Claims. (Cl. 128-260.)



1. In an apparatus for applying remedies to the lips or gums, a cloth pad having connected thereto along one edge thereof an arcuately curved bar adapted to fit between the gums and the adjacent surface of the lip and to support the pad in position between the lips.

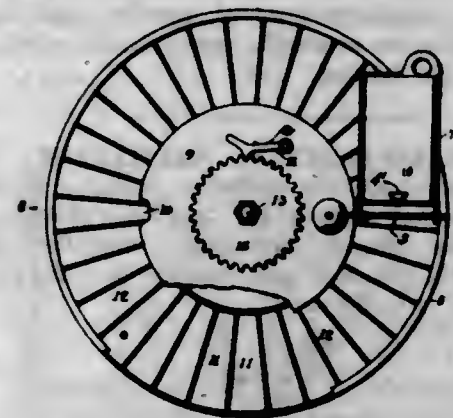
1,735,222. STATOR FOR ALTERNATING-CURRENT MOTORS. CLIFFORD F. THOMPSON, Oak Park, Ill., assignor to Bodine Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 23, 1928. Serial No. 287,687. 13 Claims. (Cl. 172-278.)



1. In a motor, a stator having spaced inwardly directed pole-pieces each provided at its inner end with a groove longitudinal of the stator; pole extensions each having a portion bearing against one longitudinal face of a pole-piece, each pole extension being of a channel-shaped section radially of the stator, and shading coils each having portions respectively housed by one of the said grooves and extending through the channel of the adjacent pole extension.

2. In a motor, a stator having spaced inwardly directed pole-pieces each provided at its inner end with a groove longitudinal of the stator, pole extensions each having a portion bearing against one longitudinal face of a pole-piece, and shading coils each extending through one of the said grooves and around the said portion of a pole extension to clamp the latter to the adjacent pole-piece.

1,735,223. FILING MACHINE. RALPH P. THOMPSON, Somerset County, Md. Filed June 4, 1927. Serial No. 196,549. 2 Claims. (Cl. 45-2.)



1. In a filing machine, a repository to support a series of removable file holders in contiguous positions extending in an endless path, a movable member supported by said repository, an extension on said movable member, said extension overlapping the endless path of the said file holder positions and thereby preventing the full removal of said file holders from said repository, and a gateway in the said extension of said movable member to give clearance for the full removal of said file holders from said repository, and mechanical means for operating said movable member.

1,735,224. FOUNTAIN-PEN ASSEMBLING. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 13, 1924. Serial No. 737,540. 12 Claims. (Cl. 120-52.)

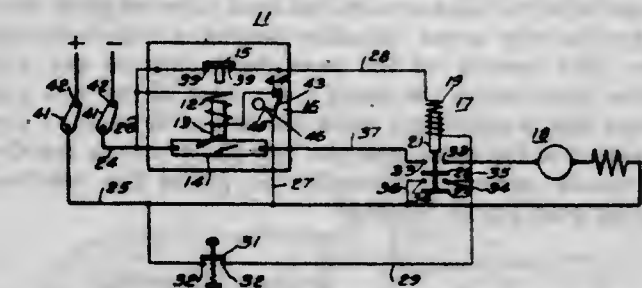
1. In combination with a pen section of a fountain pen having a seat, a feed member, a nib, a sleeve for position-

ing said nib on said feed member and constituting a cooperative seat carried by said feed member adapted to tightly



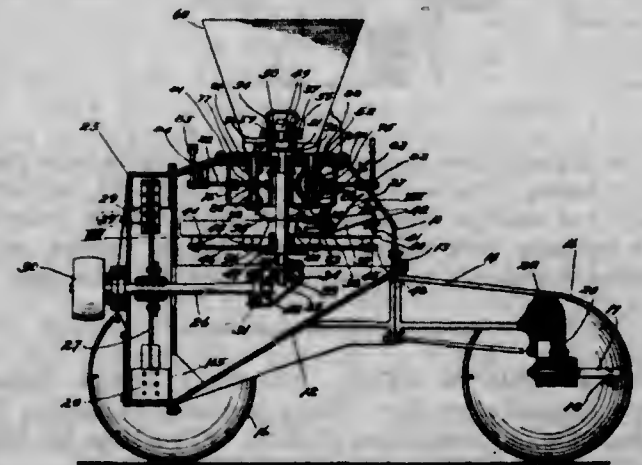
fit the seat of said pen section, and means for causing the engagement of the seat portions of said pen section and feed members.

1,735,225. THERMAL RELAY. HAROLD E. WHITE, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 7, 1926. Serial No. 127,751. 10 Claims. (Cl. 175-294.)



1. In combination, a protective device comprising an electromagnet coil and a movable magnetizable core member therefor, means associated with the coil to constitute a magnetic circuit containing a current-traversed magnetically reversible member serving normally to restrain the movable member against movement by the actuating coil, and means for automatically deenergizing said magnet coil during intervals of abnormal conditions of shock and vibration.

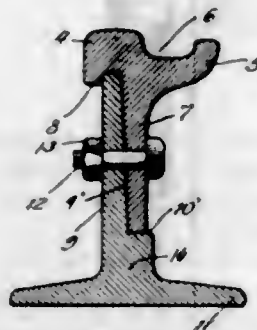
1,735,226. ENSILAGE AND FEED CUTTING MACHINE. HARRY L. WHITNEY and HARRY A. LYON, Toledo, Ohio. Filed Oct. 11, 1926. Serial No. 140,801. 4 Claims. (Cl. 146-124.)



3. An ensilage cutting machine comprising cutting mechanism including a pair of horizontally arranged and

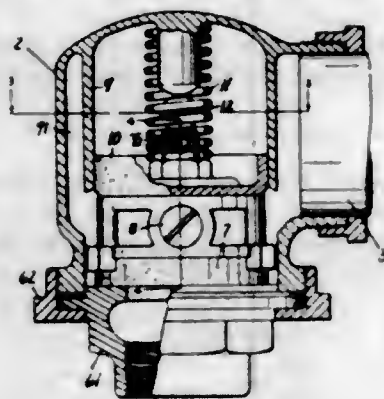
normally fixed cutter bars, a vertical shaft mounted between said cutter bars and carrying knives adapted, during rotation of the shaft, to co-operate with said cutter bars, means for rotating said shaft, and an independent feed hopper mounted in vertically upright position for feeding by gravity to each of said fixed cutter bars.

1,735,227. RAIL. ANTONI ZRAZIK, Chicago, Ill. Filed Mar. 27, 1929. Serial No. 350,143. 1 Claim. (Cl. 238-144.)



A railway rail construction comprising a head and a base, the head being formed with a depending downwardly tapered plate and an elongated recess in the under side thereof contiguous to and alongside of and parallel with the plate, the base formed with an upwardly projecting and upwardly tapered plate adapted to rest against and alongside of the first plate to form a supporting web of substantially uniform thickness and having its upper small edge pocketed in the recess in the head to be retained thereby, a relatively broad shoulder having a flat, horizontal upper face formed on the base contiguous to the plate thereon upon which the small lower edge of the first plate engages and is supported when the end of the second plate is inserted in the recess and the two plates swung together, and means extending through the plates for positively securing said plates together.

1,735,228. FLUSH VALVE. FRED P. ANGELL, Battle Creek, Mich. Filed Feb. 7, 1927. Serial No. 166,459. 4 Claims. (Cl. 137-93.)

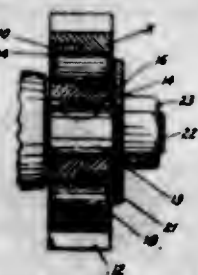


4. In a flush valve structure, a plunger valve with automatic closing means, in combination with an auxiliary supply and storage chamber and cushion device comprising a cylinder with spring pressed plunger therein interposed in the supply adjacent said valve, as described.

1,735,229. TIMING GEAR. ARTHUR J. BAKER, Toledo, Ohio, assignor to The Willlys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 15, 1924. Serial No. 699,568. 13 Claims. (Cl. 74-28.)

1. In combination, a power shaft, a gear upon the shaft including interengaging inner and outer metallic rings

fitted to prevent relative radial movement, the inner of said rings having a flange and a hub portion, the outer of said rings having a recess adapted to receive the flange and a bore adapted to receive the hub portion, a



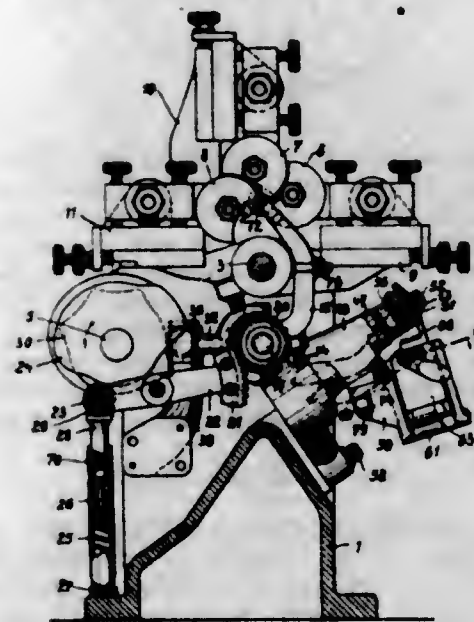
plurality of hard non-metallic driving pins carried by one of the rings and extending into driving engagement with the other, and means for holding said rings and pins as a unit upon said shaft.

1,735,230. DRIVE-FIT NIPPLE. HAROLD H. BRAND, Cleveland, Ohio, assignor, by mesne assignments, to The Alemite Corporation, Chicago, Ill., a Corporation of Delaware. Filed Apr. 15, 1924. Serial No. 706,778. 4 Claims. (Cl. 184-89.)



1. A lubricant receiving terminal comprising a nipple having an external face accurately shaped to form a tight contact seal under manual pressure, a machine element having an aperture therein, and means for wedging the nipple tightly in the aperture without driving on it, said means comprising an annulus driven into place between the outer surface of said nipple and the inner surface of said aperture, the inner surface of said annulus and the opposed surface of said nipple having a conical taper for producing the wedging action, said aperture having a shoulder leading to an extension bore of smaller diameter, said shoulder forming an abutment for the inner end of said nipple during the driving.

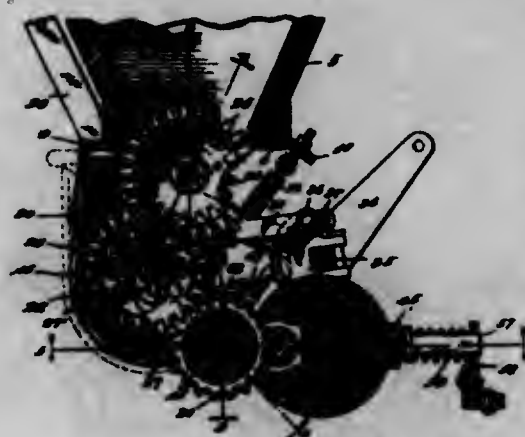
1,735,231. SCREW-SLOTING MECHANISM. LORENZ KONRAD BRAREN, Munich, Germany, assignor to the Firm Friedrich Deckel Fabrik für Präzisionsmechanik und Maschinenbau, Munich, Germany. Filed Oct. 6, 1924. Serial No. 741,913, and in Germany Oct. 26, 1923. 25 Claims. (Cl. 10-5.)



16. In a machine of the class described, a base, a pair of spaced supports carried by the base, one of which is

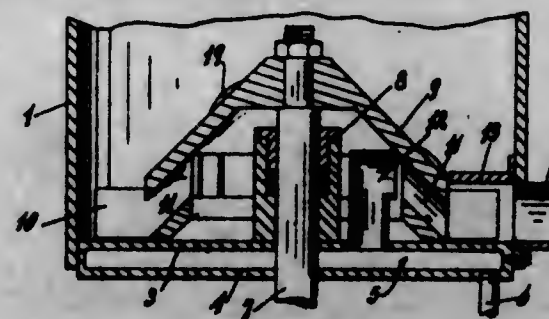
tubular, a housing carried by said supports, a spindle journaled in the housing and extending transversely of the supports, a gear on the spindle within the housing, a drive shaft projecting through said tubular support, a gear on said shaft within the housing adapted to drive the first mentioned gear, a screw slotting saw on the spindle, a bracket, a tool adjustable upon the bracket for removing burrs from the screws and means operated by the spindle adapted to actuate said bur removing tool.

1,735,232. SEEDING MACHINE. THOMAS BRENNAN, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a Corporation. Filed Mar. 1, 1928. Serial No. 258,342. 2 Claims. (Cl. 74-58.)



1. In a seeding machine, a driving axle, a hanger pivoted on the axle, a gear-wheel supported by the hanger, gearing on the axle meshing with said gear-wheel, a feed-run shaft, gearing on the shaft meshing with the gear-wheel on the hanger, a rock-shaft, and a link connecting the hanger and rock-shaft whereby when the latter is actuated said link will be projected or retracted and swing the hanger to disengage or engage the gear-wheel carried thereby with the gearing on the feed-run shaft.

1,735,233. FEED WHEEL FOR PNEUMATIC CONCRETE MACHINES. ALPHONSE T. CASIERIS, Long Beach, Calif. Filed Apr. 21, 1928. Serial No. 271,696. 9 Claims. (Cl. 82-73.)

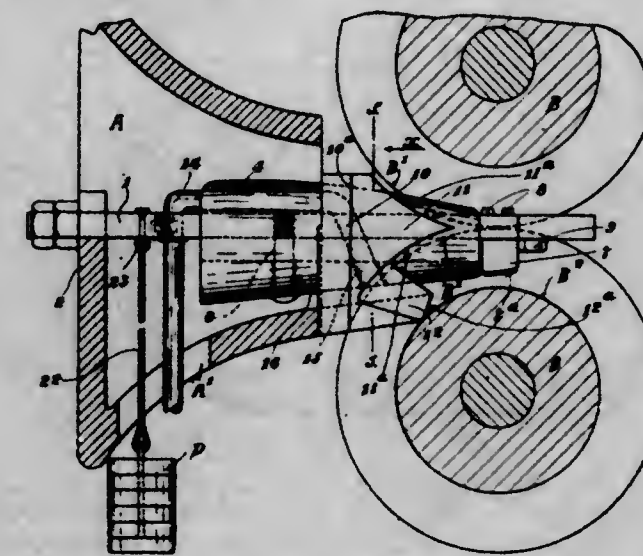


1. In a pneumatic concrete machine, a hollow feed wheel, a plurality of fingers extending from said wheel, an outlet pipe in the machine with which said fingers are adapted to register, said wheel having openings therein between adjacent pairs of fingers, and means to conduct air under pressure into said feed wheel and back of said fingers, whereby material between said fingers is ejected through the outlet pipe.

1,735,234. MANUFACTURE OF BUTT-WELDED TUBES. DOUGLAS WHIMSTER CHISHOLM, Glasgow, Scotland, assignor to The Birchfield Engineering Company Limited, Cardiff, Wales. Filed Apr. 29, 1926. Serial No. 105,407, and in Great Britain Feb. 2, 1926. 13 Claims. (Cl. 78-87.)

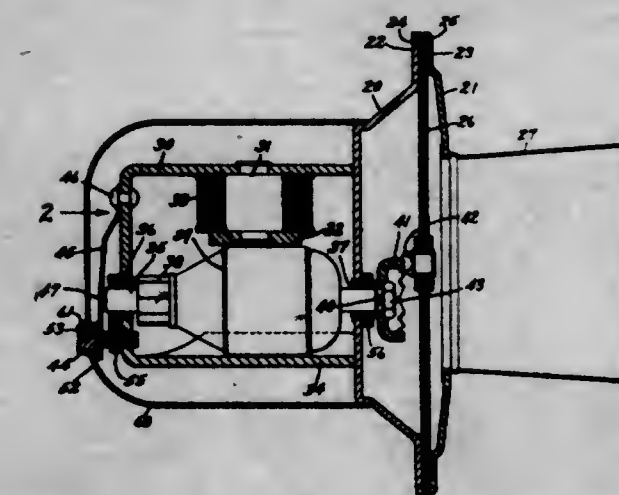
1. In the manufacture of welded tubes from metal strips, the combination with a skelping die and closing rolls of

means adapted to provide supporting surfaces for supporting the exterior and interior of the edges of the strip as it passes from the die to the rolls, and means whereby



welding gas is introduced into the space between the said supporting surfaces at a point intermediate to the ends thereof and is confined by the said surfaces so as to form a bath of welding gas for the edges of the strip.

1,735,235. ELECTRIC HORN. ROBERT M. CRITCHFIELD, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 13, 1925. Serial No. 36,951. 5 Claims. (Cl. 308-166.)

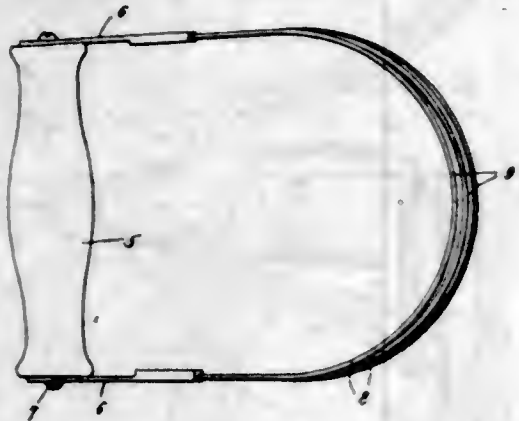


5. In a device of the character described, the combination with a support provided with a bearing, a rotatable member journaled in said bearing and movable axially relative thereto; and means for limiting axial movement of the member in one direction, said means comprising a leaf spring lever attached at one end to the support and having its intermediate portion engaging the rotatable member, and a screw passing through the free end of the spring and threadedly engaging the support.

1,735,236. DOUGH BLENDER. ELMER L. DENNIS, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 5, 1927. Serial No. 203,451. 4 Claims. (Cl. 250-144.)

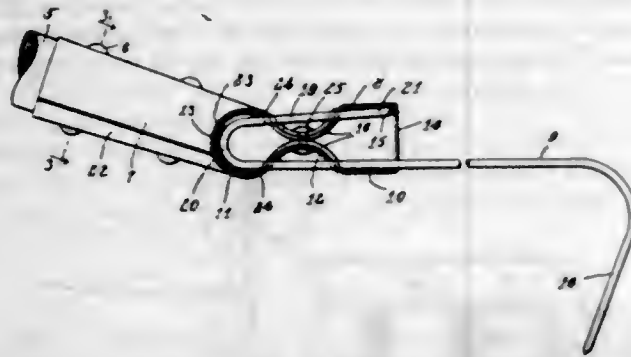
1. A utensil of the character described comprising a handle, a plurality of mixers or cutters comprising pieces of hard wire each formed to provide a tread portion intermediate the ends thereof, the latter extending toward the handle in a predetermined desired relation to one an-

other, and means for fastening the ends of said pieces to the handle comprising a pair of holders of sheet metal extending from the ends of the handle, each of said holders being arranged to overlap the ends of the wires and having at least one edge portion bent upon itself to confine the



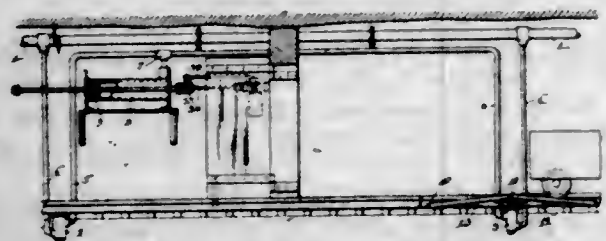
ends of the wires therebetween and conceal the same, each of said holders being pressed to embed the wires in the softer sheet metal of the holders and thereby permanently fasten the wires in place without necessitating welding or soldering thereof.

1,735,237. GARDEN TOOL. ELMER L. DENNIS, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 19, 1928. Serial No. 262,615. 9 Claims. (Cl. 55-114.)



1. A device of the character described comprising an elongated hollow head member of substantially keyhole-shaped cross-section, and a plurality of spring wire teeth arranged to extend from the head and be detachably mounted therein, said teeth having the fastening ends thereof bent in the form of hooks, said head having the front wall thereof provided with substantially vertical slots spaced longitudinally of the head to permit the entry of the bight portions of the hooks into the head, the curved bight portions being disposed vertically and fitting in the curved back wall of said head and the head being further slotted intermediate the front and back walls thereof in the planes of the vertical slots for the reception of portions of the hooks intermediate the bight portions and the free ends of the hooks.

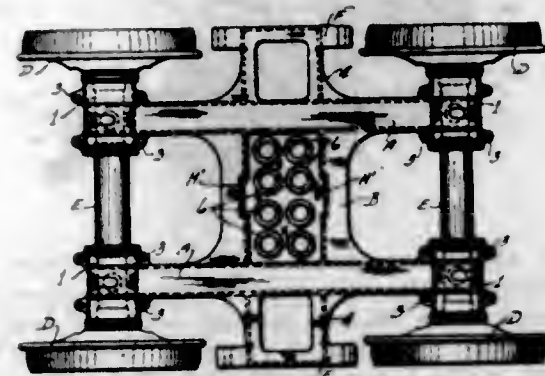
1,735,238. AUTOMATICALLY-OPERATED EXPLOSION DOOR. HUGO F. DISSEL, Rochester, N. Y. Filed Oct. 2, 1928. Serial No. 309,873. 2 Claims. (Cl. 246-272.)



1. In an apparatus for automatically opening and closing an explosion door, the combination of a control valve

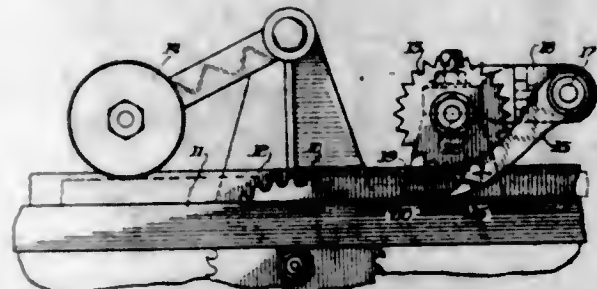
comprising a casing, a pair of cylinders in said casing, a valve stem, a valve carried by said valve stem and adapted to open and close the opening between said cylinders, an inlet into the first of said cylinders, a second valve carried by said valve stem and located within the second of said cylinders, said last named cylinder having a vent opening therein adapted to be opened and closed on the movement of said last named valve, an outlet in said last named cylinder, a source of compressed air connected to the inlet of said first named cylinder, said valve within said first named cylinder being adapted to control the flow of the compressed air from said first named cylinder into said second cylinder and out thru the outlet in said second named cylinder while the vent opening in said second named cylinder is closed by said valve in said second named cylinder.

1,735,239. FREIGHT-CAR TRUCK OR TENDER TRUCK. HARRY E. DOERR, St. Louis, Mo., assignor to Scullin Steel Company, St. Louis, Mo., a Corporation of Delaware. Filed Aug. 4, 1927. Serial No. 210,845. 7 Claims. (Cl. 105-182.)



1. In a truck for freight cars and tenders, the combination of a one-piece frame composed of side members arranged inside of the wheels and transversely disposed transoms integrally connected to said side members, and a bolster arranged to move vertically between said transoms and provided with end portions that project laterally over said side members.

1,735,240. SAFETY DEVICE FOR RIP SAWS. ANTHONY J. ENNEN, Chicago, Ill. Filed Sept. 5, 1927. Serial No. 217,545. 1 Claim. (Cl. 143-159.)

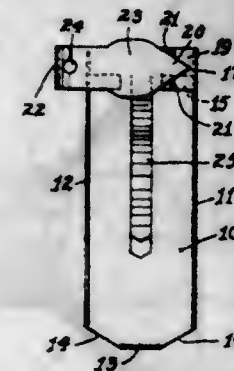


The combination, with a rotary implement, a table, and means in front of the implement for feeding stock along the table to the implement, of a rod extending across the table in front of the implement, and a row of fingers pivoted to the rod and extending downwardly and rearwardly at an inclination therefrom, said fingers having shoulders forming dogs thereon above the lower ends of the fingers to engage with the end of the stock in case the latter after leaving the fingers is caught by the implement and thrown back.

1,735,241. CHECK HOLDER AND PUNCH. OSCAR F. FORSLUND, Chicago, Ill. Filed July 18, 1928. Serial No. 293,613. 17 Claims. (Cl. 206-40.6.)

1. In a holder and punch for checks, a one piece sheet metal structure comprising a flat body portion, edge flanges

extending from said body portion, check holding lugs extending towards each other from the edges of said flanges near one end of said body portion, side walls extending from said flanges at said one end of said body portion in



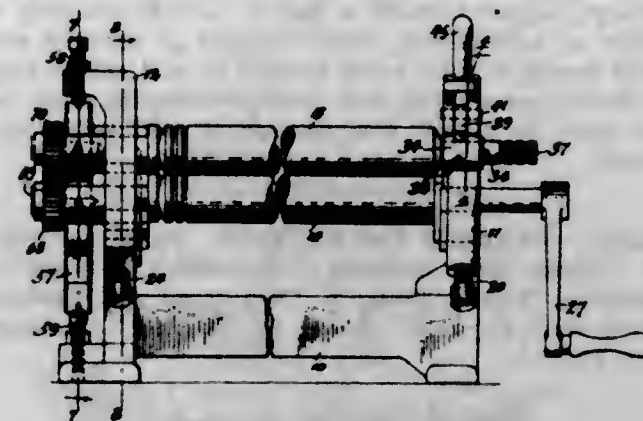
substantially parallel relation, and cooperating punch members extending respectively from the outer ends of said side walls towards each other to surround the stub end of a pad of checks.

1,735,242. VARIABLE-TIME COOKER. GEORGE D. GARDNER, San Jose, Calif., assignor to Sprague-Sells Corporation, Hoopston, Ill. Filed May 22, 1925. Serial No. 32,162. 18 Claims. (Cl. 198-81.)



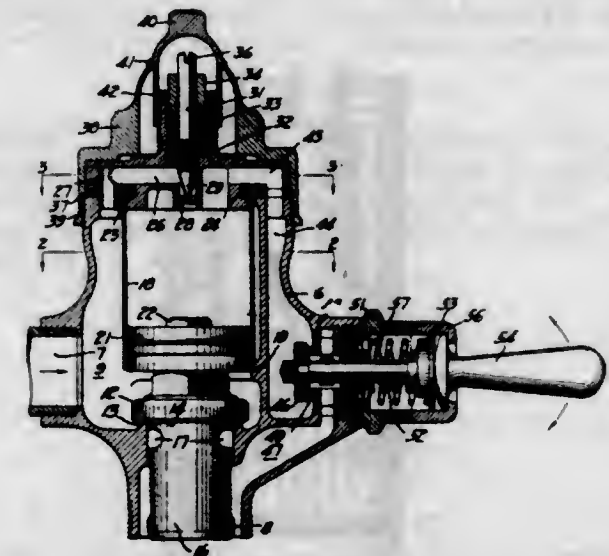
1. An apparatus for treating canned goods comprising a series of treating compartments arranged in connected operative relation, a plurality of can ways located adjacent said compartments, and providing separate and distinct paths for the travel of cans relative to said compartments, said canways being so arranged that the travel of cans may be directed through said compartments or may be shunted around a part of said compartments.

1,735,243. SLIP-ROLL-FORMING MACHINE. PAUL R. HAHNEMANN, Buffalo, N. Y., assignor to Niagara Machine and Tool Works, Buffalo, N. Y., a Corporation of New York. Filed May 8, 1923. Serial No. 276,021. 4 Claims. (Cl. 153-61.)



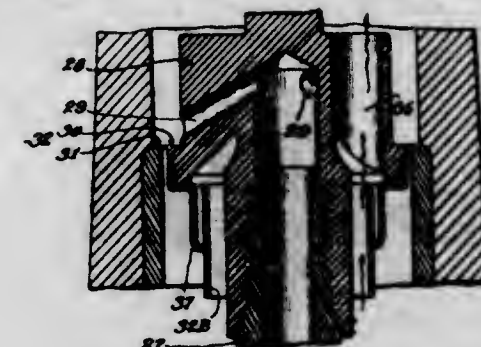
1. A slip roll forming machine comprising a main frame provided at its head end with a standard having a horizontal forwardly opening slot, a lower roll mounted on said frame, an upper roll pivotally mounted at its tail end on said frame to swing horizontally and movable with its head end into and out of said slot, and means for holding the head end of said upper roll in said slot comprising a latch pivoted on said standard to swing vertically and having a jaw adapted to engage over the head end of said upper roll, and a cam for holding the latch in its operative position.

1,735,244. FLUSH VALVE. LUCIEN H. HANDY, Oakland, Calif., assignor to Handy Self-Cleaning Flush Valve Co., San Francisco, Calif., a Corporation of Delaware. Filed May 31, 1927. Serial No. 195,162. 3 Claims. (Cl. 137-93.)



1. A flush valve comprising a valve body, a valve therein, a piston connected to said valve, a cylinder in which said piston operates, a cap closing said cylinder, means in said cap for regulating the flow of water to said cylinder, and an apertured hood for retaining said cap in position, the aperture in said hood affording access to said regulating means.

1,735,245. OIL BURNER. FRANKLIN HARDINGE, Chicago, Ill., assignor to Hardinge Brothers, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1928. Serial No. 316,677. 9 Claims. (Cl. 158-77.)

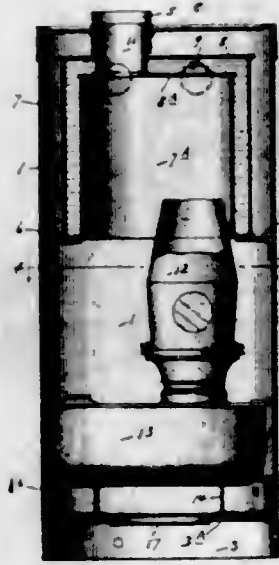


1. An oil burner comprising a vertically positioned rotary nozzle having an upwardly and outwardly tapering discharge opening, a stationary oil supply conduit extending into the interior of the nozzle, a stationary tip for said conduit having an annular distributing surface extending outwardly from the tip closely to the inner wall of the nozzle, means for conducting oil from the conduit to said annular distributing surface, said surface distributing oil directly onto the inner wall of the nozzle, a thimble rotating with the nozzle and having an upwardly extending portion spaced from said conduit, and a depending sleeve on said tip extending closely to said upwardly extending portion of the thimble for substantially preventing the passage of air therebetween.

1,735,246. INCUBATOR HEATER. WILLIAM DOW HARVEY, Macomb, Ill., assignor to American Steel Products Co., Macomb, Ill., a Corporation of Illinois. Filed Feb. 15, 1928. Serial No. 254,359. 11 Claims. (Cl. 122-156.)

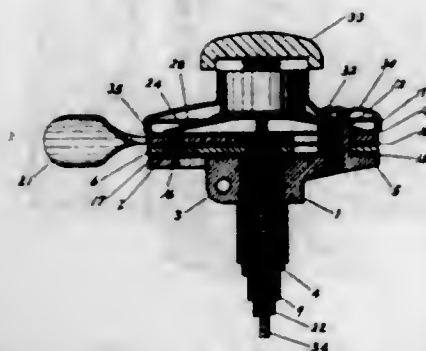
1. A liquid heater comprising a liquid container including a top portion and an annular portion depending

from the top portion, a vertical flue extending from the bore of the said annular portion upwardly through the top portion at one side of the axis of the annular portion, a heating member including a heat-emitting portion disposed within the said bore at one side of the axis of the



bore, and a support on which the heating member is rotatable about the axis of the bore to bring its heat-emitting portion into and out of alignment with the flue while continually maintaining this heat-emitting portion in vertical alignment with a part of the said bore.

1,735,247. SPARK AND THROTTLE CONTROL. ROY F. HEARN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 12, 1927. Serial No. 174,772. 4 Claims. (Cl. 74-39.)

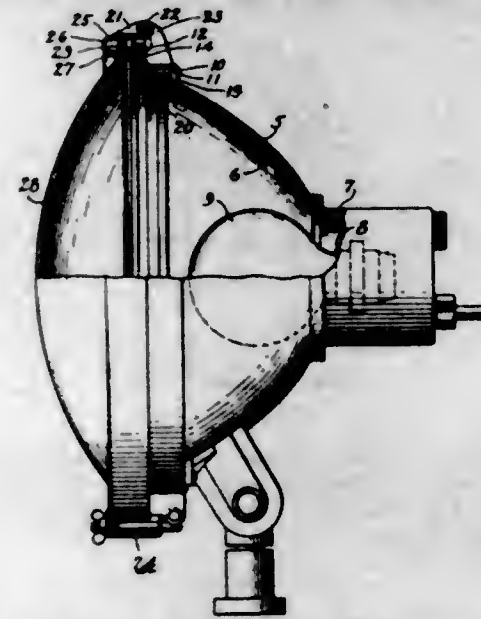


1. In a control mechanism for a motor vehicle, a support having a circular peripheral portion, a movable lever having a disc shaped portion upon said support, said disc portion having slots therein, a washer between said lever and said support having upturned ears engaging said slots, said washer having a downturned flange in rotatable engagement with the peripheral portion of said support for centrally locating said washer, and means for limiting the upward movement of said washer and lever.

1,735,248. CLOSURE FOR FLOODLIGHT PROJECTORS. PAUL M. HOTCHKIN, Chicago, Ill. Filed Apr. 28, 1927. Serial No. 187,282. 4 Claims. (Cl. 240-41.)

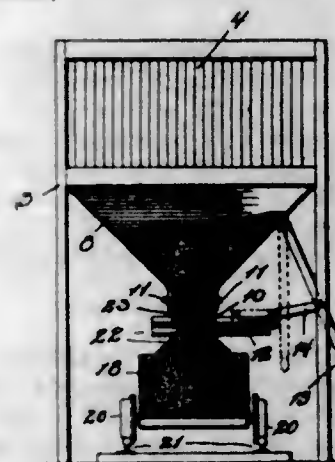
1. A flood-light projector comprising a concave body terminating at its rim in a lateral flange, an annulus of angular section secured to said body with a lateral portion extending adjacent said flange, a gasket interposed between said flange and the lateral portion of said

annulus and having a portion extended beyond the annulus, and a closure consisting of an annular door-frame coacting with said body, a lens carried by the door frame,



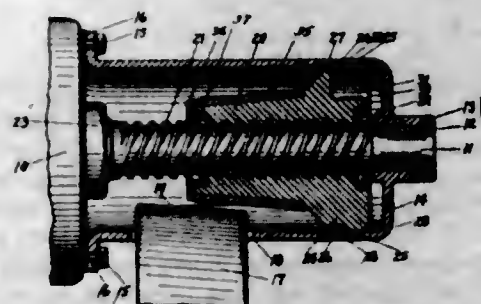
and a rib projecting laterally from the closure into engagement with said gasket whereby to seal the closure to the body.

1,735,249. MEASURING DEVICE. CHRISTIAN J. HUG, Highland, Ill., assignor to The Hug Company, Highland, Ill., a Corporation of Illinois. Filed Jan. 12, 1922. Serial No. 528,656. Renewed Aug. 5, 1926. 1 Claim. (Cl. 221-145.)



In a measuring device having a material-bin and a discharge hopper thereon, a walled mouth vertically adjustable on said hopper, guides carried on opposite walls of said mouth, a plate valve slidable in said guides across said mouth, one wall of said mouth terminating above said plate valve to permit free passage of said valve therebeneath.

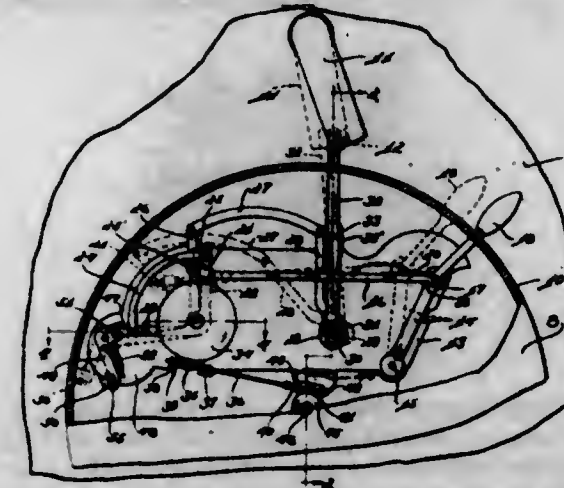
1,735,250. STARTER FOR ENGINES. FRANCIS JERDONE, Jr., Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Mar. 21, 1919. Serial No. 284,097. 21 Claims. (Cl. 74-7.)



1. In a driving mechanism, the combination with a member to be driven; a power transmission member nor-

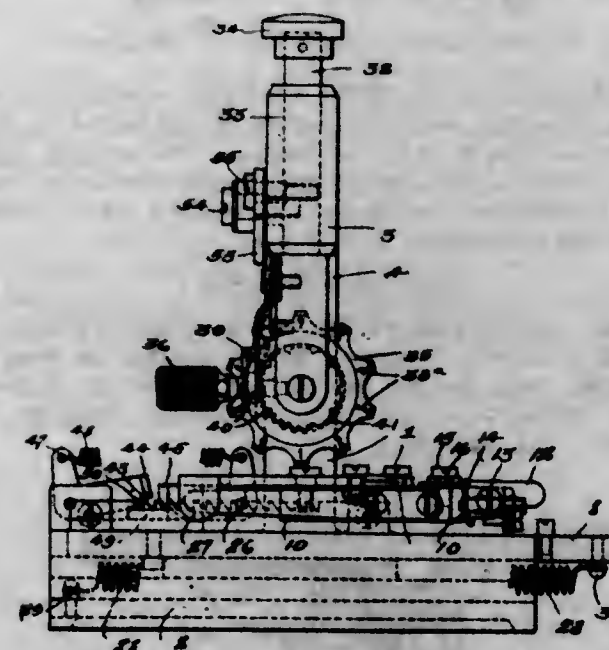
mally spaced from said driven member and adapted to be moved into driving engagement therewith; means for moving said transmission member into engagement with the driven member and for automatically returning the transmission member from engagement with the driven member to normal position when the driven member is actuated; and pneumatic cushioning means for checking the return of said transmission member to normal position.

1,735,251. AUTOMATIC TURNTABLE STOP. JOHN KENTON, Detroit, Mich. Filed May 7, 1928. Serial No. 275,569. 4 Claims. (Cl. 192-118.)



1. A turn table stop of the class described, adapted for use with a turn table having a flange and means for rotating said turn table, comprising: a gear; means operable by said rotating means for rotating said gear; a rockably mounted brake member for engaging said flange; means for normally retaining said brake member out of engagement with said flange; a rockably mounted tooth-bearing segment adapted, upon rocking in one position, for moving said brake member to braking position; and a rockably mounted dog engageable with the teeth of said gear and said segment for rocking said segment to brake moving position.

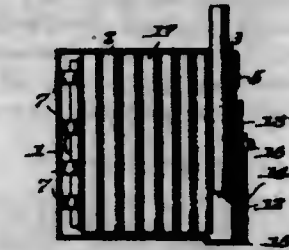
1,735,252. NUMBER-PLATE-PRINTING MACHINE. JAMES F. KIRBY, Syracuse, N. Y. Filed Apr. 7, 1927. Serial No. 181,724. 6 Claims. (Cl. 197-84.)



6. A printing machine comprising a suitable base and holding means for a plate to be printed mounted on the base, an upstanding bracket on the base in the rear of said plate holding means, the bracket being formed with an arm overhanging the plate holding means, a type wheel mov-

able toward and from the plate holding means on the base and having its axis extending horizontally, a plunger carrying the type wheel and movable vertically in the overhanging arm and means for indexing the type wheel including a rotatable spindle extending laterally, radially relatively to the type wheel, the spindle being carried by the plunger and extending beyond the periphery of the type wheel to provide a portion for manual operation.

1,735,253. CIGARETTE-DISPENSING CASE. CLARENCE GEORGE LAINE, Evansville, Ind., assignor of one-half to Arthur G. Miller, Vanderburgh County, Ind. Filed Aug. 16, 1928. Serial No. 300,030. 5 Claims. (Cl. 312-78.)



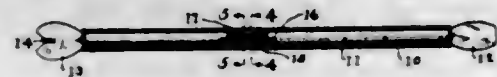
1. In a cigarette dispensing case, the combination with a container having a dispensing opening, of a follower movable within said container and arranged to bear side-wise against the cigarette, and a plurality of coil springs arranged at different heights of the container and of the follower, said springs being of the single coil contractile type and connected to the case in the region of the dispensing opening and arranged to be extended or spread out flat-wise along the inner walls of the container when the follower is pushed back to enable the cigarettes to be introduced into the said container, said springs co-operating with the follower to feed the cigarettes within the latter.

1,735,254. HAIR CURLER. WILBUR S. LEWIS, Lakewood, Ohio, assignor to The Nestle Le Mur Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 15, 1925. Serial No. 37,105. 4 Claims. (Cl. 132-34.)



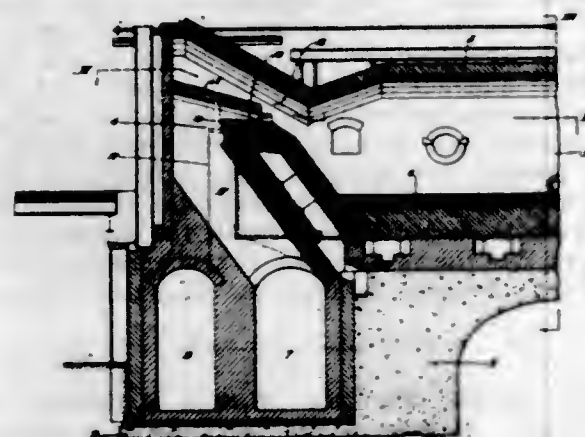
1. A curler comprising a tube section upon which a strand of hair may be coiled and secured, a rod section extending through said tube section and having an end to which the strand of hair can be secured at the beginning of the coil on the tube section, said sections being manually rotatable to stretch the coiled strand, friction means to resist the rotation of said sections relatively, said rod having an annular groove into which a portion of said tube is pressed to prevent relative longitudinal movement of said sections.

- 1,735,255. HAIR CURLER. WILBUR S. LEWIS, Lakewood, Ohio, assignor to The Nestle Le Mur Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 18, 1925. Serial No. 37,108. 4 Claims. (Cl. 132-34.)



1. A curler for carrying and stretching a strand of human hair comprising a tube upon which a strand of hair is coiled and secured, a rod extending through said tube having an enlarged end to which the strand of hair is secured adjacent the scalp, a finger grip at the other end of said rod for rotating said rod relative to said tube to stretch the strand coiled on said tube, and laterally extending friction means disposed intermediate a side of the rod and said tube and disposed intermediate the ends of the tube for preventing the tension of said strand of hair from rotating said tube and said rod relatively.

- 1,735,256. FURNACE-PORT CONSTRUCTION. LOUIS N. McDONALD, Youngstown, Ohio. Filed Oct. 27, 1921. Serial No. 510,822. 1 Claim. (Cl. 263-15.)



In a reversible regenerative furnace a plurality of fuel ports, an air uptake located intermediate said ports, said air uptake terminating in an air port extending above and intermediate the fuel ports.

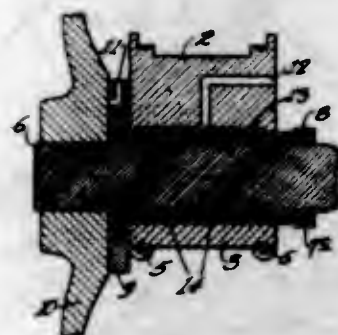
- 1,735,257. WRENCH. HOMER A. MEAD, Turlock, Calif., assignor to Masterench Corporation, Turlock, Calif., a Corporation. Filed May 16, 1929. Serial No. 363,426. 3 Claims. (Cl. 81-59.)



1. A wrench including a handle shank having a fixed jaw on one end and a longitudinal slot adjacent the jaw, a shank projecting into the slot, a pivot pin through both shanks, a jaw on the pivoted shank outwardly of the slot, said pivoted shank and jaw being arranged for substantially 90° of arcuate movement relative to the handle

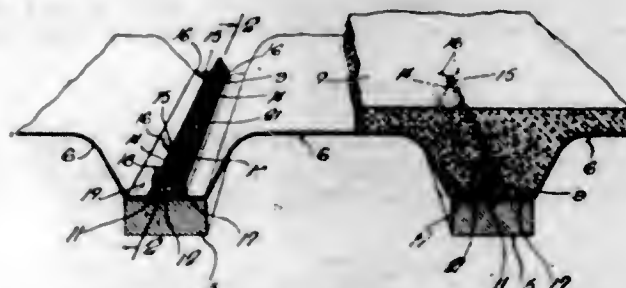
shank, a flat spring member projecting through the slot beyond the pivoted shank and fixed at one end to the handle shank on the same side thereof as that from which the movable jaw projects, and a cam surface formed on the adjacent edge of the movable shank disposed relative to the shank pivot so as to engage the spring at substantially a constant point and adjacent the outer end of the latter throughout the full arcuate extent of movement of the pivoted shank and jaw.

- 1,735,258. RAILWAY-JOURNAL-BOX ASSEMBLY. JOHN J. MELLE and JOHN W. CHAPMAN, Parsons, Kans., assignors of one-third to W. H. Heckman, Chicago, Ill. Filed Aug. 13, 1927. Serial No. 212,758. 1 Claim. (Cl. 308-79.)



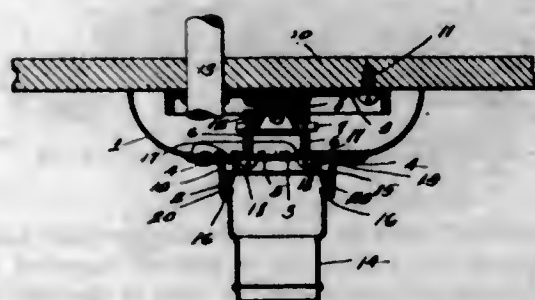
A railway journal box assembly comprising a journal box enclosing a floating rotatable split bearing brass surrounding the axle and having a holding clamp at its inner extremity, and a hub liner integral with the rotatable bearing and positioned between the journal box and the wheel.

- 1,735,259. BUILDING MATERIAL. EMMET S. MILLER, RUSSELL W. STAMBAUGH, and GEORGE W. MCKOWN, Milwaukee, Wis.; said Miller and said Stambaugh assignors to Milwaukee Corrugating Company, Milwaukee, Wis. Filed May 8, 1925. Serial No. 28,821. 6 Claims. (Cl. 72-118.)



2. A device of the character described, consisting of an inverted V-shaped member adapted to be placed in the form of a building prior to the pouring of the concrete, said member having a plurality of spaced apertures in its base wall to provide intervening webs to which a tie for metal lathing may be secured.

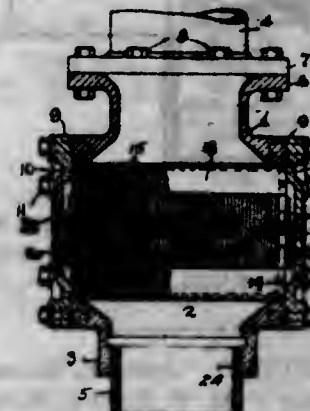
- 1,735,260. ELECTRICAL-FIXTURE CONSTRUCTION. HARRY J. MOREY, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Solvay, N. Y., a Corporation of New York. Filed June 12, 1924. Serial No. 719,670. 3 Claims. (Cl. 240-85.)



1. An electrical fixture comprising a canopy formed with a neck, a bridge extending diametrically across the neck, a contact provided with means passing through holes in the arms of said clamp, and means for positively preventing rotation of said clamp around said rod.

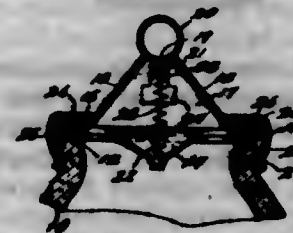
neck at the inner end thereof and secured at its ends to the canopy, the bridge having means for securement to a support upon partial rotary movement of the canopy and the neck also having means for securing the casing of a lamp socket thereto, the last mentioned means comprising a ring and located in the neck, in the inner end thereof adjacent the bridge, the bridge and the ring having interlocking parts.

- 1,735,261. FLAME ARRESTER. TRACY J. CALHOUN, Cleveland, Ohio, assignor to The Oil Conservation Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 2, 1927. Serial No. 165,393. 4 Claims. (Cl. 220-88.)



1. A flame arrester formed of aluminum and providing a bank of small aluminum walled passages adapted to be inserted in a breather or other pipe for the passage of inflammable gases.

- 1,735,262. MUCILAGE BOTTLE. WILLIAM W. S. CARPENTER, Chicago, Ill., assignor to Sanford Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 30, 1927. Serial No. 286,624. 16 Claims. (Cl. 91-67.4.)



7. A container for mucilage or other material having a dispensing opening, a laterally displaceable cylindrical closure for said opening, and means for automatically returning said cylindrical closure to closed position when released.

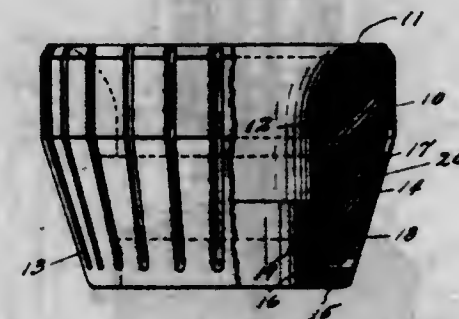
- 1,735,263. CONTACT MECHANISM. HERBERT W. CHERRY, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Original application filed Oct. 29, 1919, Serial No. 334,887. Divided and this application filed July 11, 1921. Serial No. 483,732. 5 Claims. (Cl. 200-166.)



1. In combination, a round rod, a unitary clamp disposed around said rod for substantially 360°, a contact provided with means passing through holes in the arms of said clamp, and means for positively preventing rotation of said clamp around said rod.

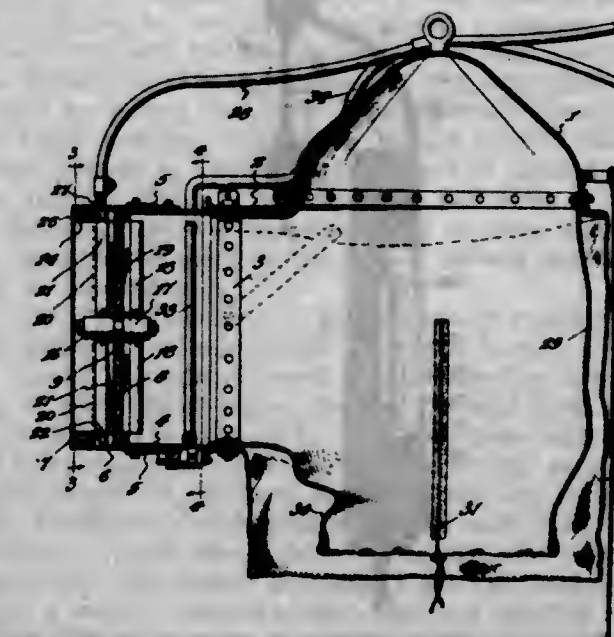
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- 1,735,264. FLUID-CONTAINING CUP. CHARLES S. CRICKMAN, Dallas, Tex., assignor to The Gulberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Mar. 30, 1928. Serial No. 265,061. 9 Claims. (Cl. 74-109.)



1. A fluid containing cup comprising a flexible cup body provided with a central well, and a metallic reinforcing bushing in the lower portion of the cup and having a nonyielding reinforcing member rigidly attached thereto and projecting upwardly in the walls of the cup, whereby the wall surrounding the lower portion of the well is reinforced against lateral distortion.

- 1,735,265. HELMET. FRIEDRICH DUMIN, Shelbygan, Wis. Filed Dec. 30, 1927. Serial No. 243,682. 2 Claims. (Cl. 128-141.)

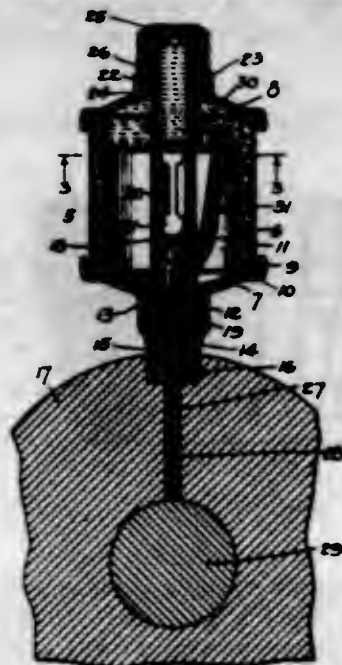


1. A helmet for the purpose specified, comprising a crown, a cylinder associated with the crown, a glass panel mounted in the cylinder, a belt journaled in the panel and having arms rotatable therewith, said arms being located upon opposite sides of the panel, and having felt strips carried thereby for engagement with the opposite faces of the panel, an impeller wheel fixed to one set of arms, and means for conducting air under pressure to rotate the wheel and thus both sets of arms, as and for the purpose set forth.

- 1,735,266. LUBRICATOR. LESLIE C. DUTNO, Long Beach, Calif. Filed Apr. 14, 1925. Serial No. 33,142. 12 Claims. (Cl. 184-84.)

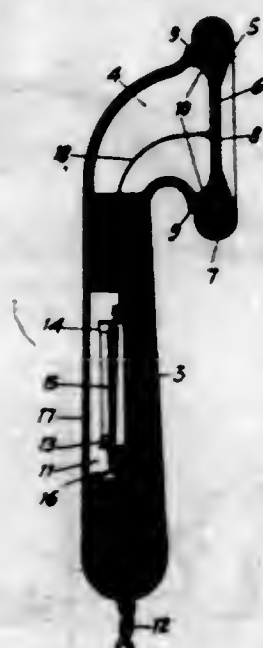
1. A lubricator comprising a reservoir having a well, a tube having a partition therein defining the well and

serving to permit lubricant to be supplied to the reservoir, the well having an outlet to a bearing, a tube leading



from the well to a point near the outer end of the reservoir and a feed member connected to the free end of the tube.

1,735,267. APPARATUS FOR AMPLIFYING LOW-FREQUENCY SPEECH CURRENTS OF RADIO RECEIVERS. GUSTAV EICHORN, Zurich, Switzerland. Filed Jan. 6, 1927, Serial No. 139,387, and in Switzerland Sept. 11, 1926. 3 Claims. (Cl. 179-107.)

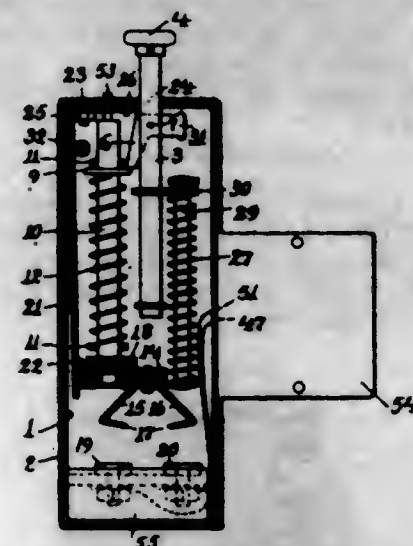


1. A receiving phone for use in connection with radio apparatus, employing thermionic valves, said phone comprising a hand piece having a chamber the wall of which has a ring of dielectric material for application to the ear of the user, a diaphragm forming an exciting element and also forming a closure for said chamber and insulated from the wall of said closure, a terminal for application to the person of the user, a conductor having two leads, one connected to the diaphragm and the other to said terminal, and a high ohmic resistance in parallel with the leads of said conductor.

1,735,268. THERMOSTAT. AXEL E. ELLIS, Boston, Mass., assignor to M. W. Barber, Horace D. Everett, and George Siegel, board of trustees in Salas Manufacturing Company. Filed Feb. 8, 1923. Serial No. 617,718. 6 Claims. (Cl. 200-139.)

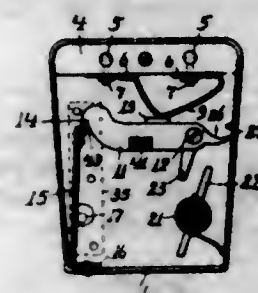
1. A thermostat comprising a slidable circuit closing device, a push button having a detent adapted to be engaged

with said device, a spring for returning said device to normal, and a heat controlled device adapted when cool to engage said circuit closing device and to retain it in its



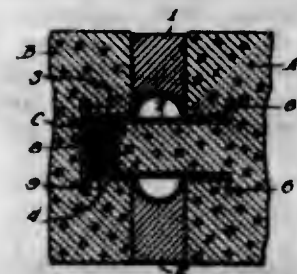
circuit closing position, said detent being adapted to release said device when the push button reaches the limit of its circuit closing position.

1,735,269. THERMOSTAT. AXEL E. ELLIS, Long Island City, N. Y., assignor to M. W. Barber, Horace D. Everett, and George Siegel, trustees, in Salas Manufacturing Company. Filed Feb. 16, 1926. Serial No. 88,546. 5 Claims. (Cl. 200-138.)



1. A thermostat comprising a stationary terminal, a leaf spring terminal confined at one end and adapted to have its other end brought into contact with the stationary terminal, a pivotally supported dog adapted when swung in one direction to press against an intermediate section of the leaf spring to bring the terminals into contact, and a thermostatically controlled device for holding said dog in said position.

1,735,270. EXPANSION JOINT. ALBERT C. FIECHER, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a Corporation of Ohio. Filed Nov. 29, 1926. Serial No. 151,413. 7 Claims. (Cl. 94-18.)



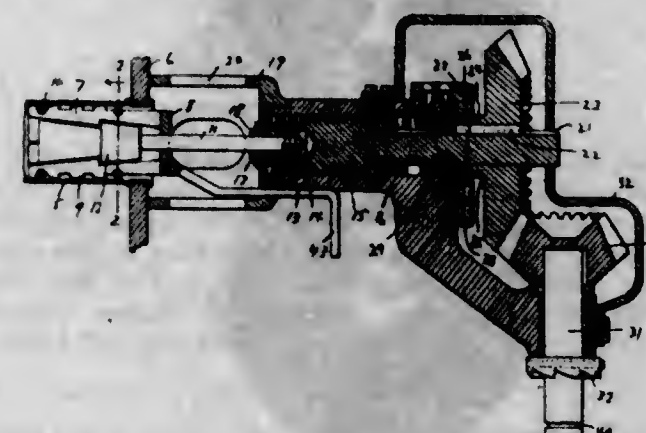
1. In an expansion joint installation between abutting sections of concrete construction, a horizontally disposed intermediate arch imbedded, at one side in one of the abutting sections and extending into the body of the other section, a strip of expansion joint material supported above the arch and a similar strip confined under the arch, said section into which the arch extends having a horizontal projection extending into the space formed by the arch and adapted to slide therein upon contraction and expansion of the pavement.

1,735,271. DIATHERMY KNIFE. SUTTEN H. GROFF, Long Beach, Calif. Filed Mar. 14, 1928. Serial No. 261,585. 9 Claims. (Cl. 174-89.)



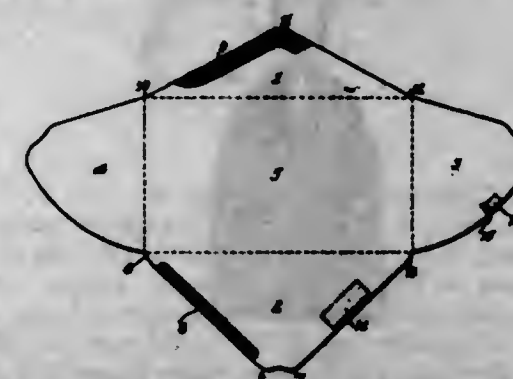
1. A diathermy knife comprising a tissue protecting member of insulating material, a cutting blade associated with the adapter and provided with a sharp edge exposed from a portion thereof, and means to cause an electric current to be conducted to the blade, the said member covering at least one side and the back of the blade.

1,735,272. BOILER-TUBE PULLER. ALBERT E. HAND, Olean, N. Y. Filed Apr. 19, 1928. Serial No. 271,215. 3 Claims. (Cl. 29-88.2.)



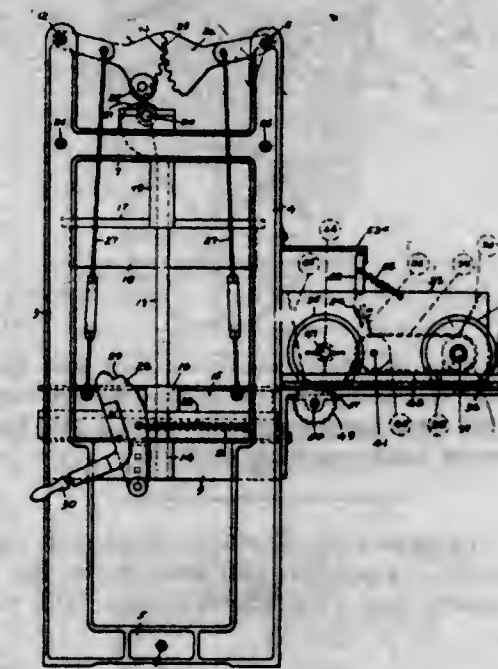
1. A boiler tube puller comprising a casting disposed in abutting relation with the tube plate of the boiler, a tube gripping member carried by the casting and arranged for insertion within the tube, means for expanding said gripping member, a screw threadedly carried by the casting for longitudinal movement with respect thereto and operatively connected with the gripping member extending means whereby upon the operation of said screw to move said gripping member and the tube longitudinally with respect to said casting and manually operable means attached to said gripping member and adapted for actuation independently of the screw whereby to cause the expansion of said member by the movement thereof relative to the expansion means.

1,735,273. ENVELOPE. BENJAMIN R. HARRIS, Chicago, Ill. Filed June 13, 1924. Serial No. 719,710. 2 Claims. (Cl. 229-81.)



1. An envelope adapted to be closed at one point and opened at another point comprising a central portion, two side folds and two end folds folded thereon to form the complete envelope, one of said side folds being the closing point and one of said end folds being the opening point, the material near the edge of said end fold being weakened, a portion of such edge being free from adhesive material, another portion of the edge being connected by adhesive material to one of the side folds whereby, when an opening device is inserted between the side fold and the end fold the material near the edge of which is weakened, to open the envelope, the material of the end fold is torn.

1,735,274. BRICK-MAKING MACHINERY. BENJAMIN F. HAYDEN, St. Louis, Mo., assignor to The Byland Realty & Construction Company, Inc., Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 14, 1927. Serial No. 233,185. 17 Claims. (Cl. 25-41.)



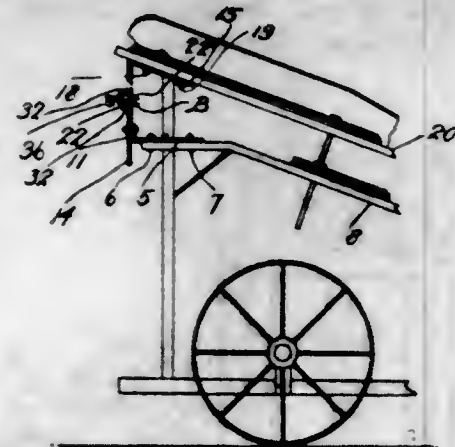
8. In a brick machine, vertically arranged supporting framework connected together by transverse members, a platen platform mounted in said framework, a detachable platen slidably mounted thereon, a mould mounted on said platen, means for elevating said mould, a tamper, means for elevating said tamper, guide rods for said mould and said tamper, said tamper engaging with said guide rods through projecting eyes, side arms pivotally mounted on said frame members, adapted to engage beneath the eyes of said tamper to maintain the tamper in elevated position, yielding means to maintain said side arms in engaging position, link mechanism adapted to move said arms into disengaging position and a lever in said link mechanism for operating it.

17. In a brick machine a frame, a platen support thereon, a platen, a movable mould, a movable tamper, a charging hopper, a track supporting said charging hopper, a rack on said hopper, gears engaging the said rack, a common power means adapted to drive said gears and elevate said tamper and mould, means for connecting said power to said hopper, tamper and mould respectively to actuate them, wheels supporting said hopper on said track, means connected to said wheels for ejecting material from said hopper when the hopper is moved, a storage compartment having a movable bottom in said hopper, a movable retaining wall in said hopper, an ejection compartment having an open bottom, means connected to said movable wall to actuate it mounted on said hopper, yielding means to move said movable wall into open position, stationary retaining means to maintain said wall in closed position carried by the frame of the machine whereby when the hopper is moved to discharging position the movable bottom of the storage compartment moves the material into the discharge compartment beneath the movable wall, which has been yieldingly moved to open position, and an impeller in said discharge compartment connected to said walls.

1,735,275. BUNDLE HOLDER FOR CORN BINDERS. ROSCOE A. HEAD, Cedar Vale, Kans. Filed Oct. 31, 1928. Serial No. 316,180. 4 Claims. (Cl. 56-68.)

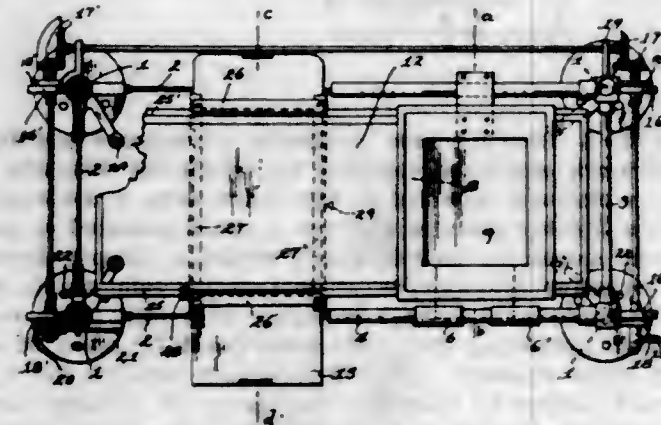
1. A bundle holder for binders of the class described including, in combination, a frame, a bracket adjustably mounted on the frame and extending laterally therefrom, a curved bolt fixed to the bracket and extending therefrom, said bracket having an offset end with an opening

therein, a bolt extending through the opening, a spring on the second mentioned bolt between the head thereof and the extension, a bundle engaging member having por-



tions straddling the first mentioned bolt and having an end pivotally engaged with the second mentioned bolt, a spring on the first mentioned bolt urging the bundle engaging member into engaging position.

1,735,276. PROJECTOR TABLE. WILHELM HENK, Vienna, Austria. Filed Nov. 14, 1927, Serial No. 233,247, and in Austria Nov. 17, 1928. 5 Claims. (Cl. 45-111.)



1. A projector-table for episcopic projection, comprising in combination a longitudinally movable frame for the reception of a projector, a table for carrying the object to be projected and extending over the entire length of movement of the frame and disposed underneath the frame, and means for adjusting the said table in a vertical direction.

1,735,277. TUFT FASTENER FOR WIRE BRUSHES. HARRY HERTZBERG, Brooklyn, N. Y. Filed Feb. 20, 1928. Serial No. 255,822. 4 Claims. (Cl. 15-206.)



1. The combination with a brush having a central stem and brush material thereon, a tuft at the end of said

stem, a flat metallic band having open ends forming a helix having a plurality of turns of different diameters surrounding said tuft and said stem comprising clamping means conforming to the varying diameter of the tuft for pressing the brush material forming said tuft against said stem.

1,735,278. UNIVERSAL MOP. HARRY HERTZBERG, Brooklyn, N. Y. Filed Mar. 19, 1928. Serial No. 262,778. 7 Claims. (Cl. 15-229.)



1. A mop comprising a pair of mop rings consisting of wires twisted about each other and a journal portion joining said rings, mop material held between the twisted wires of said rings, a bearing mounting said journal portion and said rings for rotation, a holder adapted for attachment to a mop stick and a pivot arranged transversely to said journal portion joining said bearing to said holder.

1,735,279. WET MOP. HARRY HERTZBERG, Brooklyn, N. Y. Filed Mar. 19, 1928. Serial No. 262,779. 6 Claims. (Cl. 15-229.)



1. A mop comprising mop material, a pair of metallic bars holding said material, said bars forming separate units alike to each other, means to fasten said bars to a mop stick, each bar encircling said mop material forming an open ring, said rings extending from said fastening means in opposite directions around said material, the opening in one ring being covered by a part of the other ring, means integral with each bar to align it with the other bar when in place on a mop stick and means fastening said aligning means to the sides of a mop stick preventing their transverse motion.

1,735,280. MOP WITH WRINGER ATTACHMENT. HARRY HERTZBERG, Brooklyn, N. Y. Filed Nov. 26, 1928. Serial No. 321,924. 7 Claims. (Cl. 15-120.)



1. The combination with a mop handle of mop material forming a knob and a tuft at the end of said mop handle, wringing means slidably mounted on said handle, comprising a pair of jaws forming together a polygon surrounding said tuft and means for contracting all sides of said polygon towards its center to press against the material of said tuft and for twisting the same.

1,735,281. MOP AND WRINGER COMBINED. HARRY HERTZBERG, Brooklyn, N. Y. Filed Nov. 26, 1928. Serial No. 321,925. 3 Claims. (Cl. 15-119.)

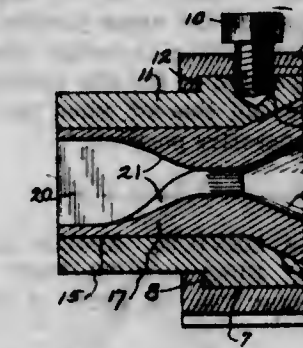


1. In a device of the character described, a yoke formed to provide means for attachment to a mop handle, a pair of parallel lugs at opposite ends of said yoke, a pair of toothed rollers operatively mounted on shafts held in fixed position within bearing apertures in said yoke, a handle on the shaft of one of said rollers for rotating the same, the second roller being loosely mounted on its shaft adapting said shaft to be removed from said yoke through one of the bearing apertures.

1,735,282. BAR TWISTEE FOR ROLLING MILLS. ASA THOMPSON BLOOMER, Chicago, Ill., assignor to Interstate Iron and Steel Company, Chicago, Ill., a Corporation of Illinois. Filed June 22, 1927. Serial No. 200,540. 6 Claims. (Cl. 80-53.)

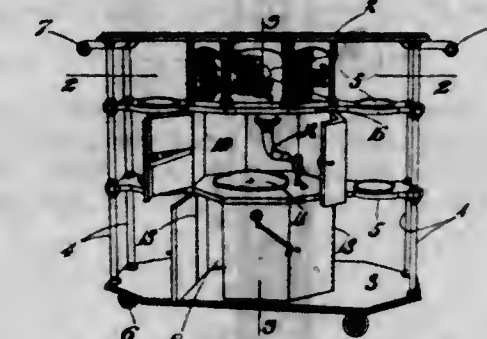
6. A bar twister comprising a body having a longitudinal bore, a screw on the body, a guide-holder rotatable in the

bore and having a bell-mouth of irregular cross-section and tape arranged to alternately register with said screw when the holder is rotated a quarter turn in its seat, and a



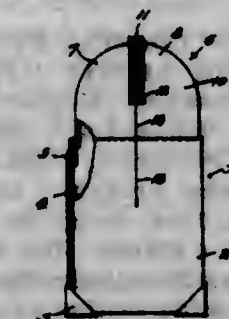
guide-block seated in the holder and having a right-angle twisted passage and a spligot-end interlocking with said bell-mouth.

1,735,283. GRAMOPHONE. HENRY WILLIAM SEW HOY, Dunedin, Otago, New Zealand. Filed Aug. 13, 1926. Serial No. 129,013. 2 Claims. (Cl. 274-2.)



1. A sound-reproducing machine, comprising a cabinet having an elongated base, a corresponding top, pillars rising from the base and supporting the top, upper and lower shelves arranged in spaced relation to each other and to the top and bottom to provide lower, intermediate and upper spaces, the shelves being connected to and supported by the pillars, a vertical wall extending from the bottom of the cabinet to the lower shelf and formed in part to provide doors, said wall defining a lower compartment of the full width but of less length above the bottom, a wall extending from the intermediate to the upper shelf and formed to provide doors, said last named wall forming an intermediate compartment aligned with and corresponding in sectional dimensions to the lower compartment, a motor housed in the lower compartment, a turn table mounted in the intermediate compartment and operated by the motor, and an amplifier secured between the upper shelf and the cabinet top, a means for varying the tone of the amplifier mounted in the upper shelf and bearing against the amplifier, and a reproducer in communication with the amplifier and arranged in the intermediate compartment.

1,735,284. SHIPPING RECEPTACLE. ROY G. HUBBARD, Hastings, Mich. Filed Apr. 24, 1928. Serial No. 272,479. 1 Claim. (Cl. 150-13.)



Is a shipping receptacle of the class described, a substantially rectangular shaped body, the top thereof being

slit longitudinally along the central portion thereof, said slit extending from one end of the top and downwardly along the opposite end of the body to a point adjacent the bottom of the body, and a closure for the adjacent edges of the slit portion of the top, the upper portion only of the slit end wall of the body being normally closed by said closure, the remaining portion of the slit permitting access to the receptacle at the end thereof when the closure for the receptacle is in an operative position.

1,735,285. UMBRELLA DEVICE. AUGUST KORTENBACH, Jr., Weyer, Germany. Filed Sept. 30, 1927. Serial No. 223,158, and in Germany Feb. 24, 1926. 2 Claims. (Cl. 135-44.)

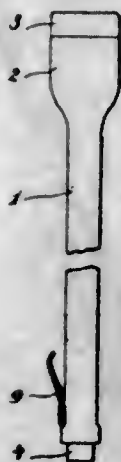


1. Device for releasably holding an umbrella closed, including a movable ferrule for retaining the ends of the ribs, a slide mounted on an umbrella stick, a catch capable of engaging with and becoming disengaged from said slide, a sleeve relatively to which the ferrule can be displaced, another sleeve surrounding said sleeve and having an abutment, a spring capable of being compressed against the said abutment when the ferrule is withdrawn to a predetermined extent to release the ends of the umbrella ribs and a second spring, said stick having a handle within which said second spring is located, a transverse pin connected to said sleeves and pressing on top of the second spring and a link secured to the transverse pin and pivotally connected to the catch whereby when the ferrule is further withdrawn the second spring is compressed by the transverse pin until the catch is released from the slide as and for the purpose set forth.

1,735,286. PROCESS OF COATING METALLIC ALUMINUM OR ALUMINUM ALLOYS WITH ALUMINUM OXIDE SKIN. TSUNETARO KUJIRAI, Nakano-Machi, Toyotama-Gori, and SAKAE Ueki, Oji-Machi, Kitato-shima-Gori, Tokyo Prefecture, Japan, assignors to Zaidan Hojin Rikagaku Kenkyujo, Hongo-Ku, Tokyo, Japan. Filed Dec. 2, 1924. Serial No. 753,525, and in Japan Dec. 19, 1923. 4 Claims. (Cl. 204-1.)

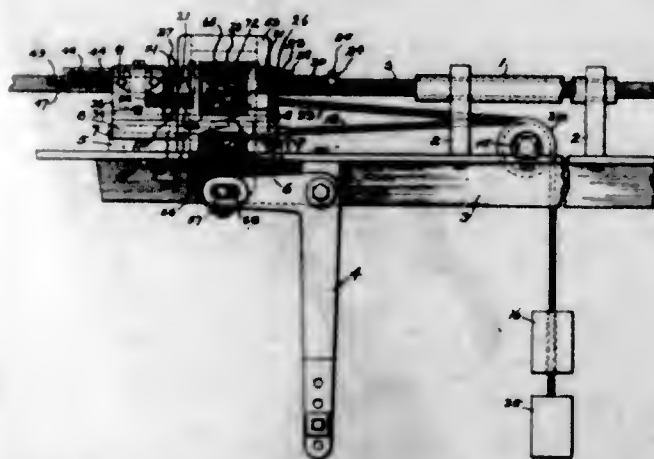
2. In the process of electrolytically forming an insulating and anti-corrosive oxide coating on aluminum material, acting as an electrode, the step which comprises electrolyzing a solution of an oxalic acid compound in contact with said material.

1,735,287. DEVICE FOR REMOVING FOREIGN BODIES FROM THE GULLET OF ANIMALS, ESPECIALLY OF RUMINANTS. OTTO LEHMANN, Bienne, Switzerland. Filed Aug. 6, 1928. Serial No. 297,776, and in Switzerland Aug. 29, 1927. 2 Claims. (Cl. 128-356.)



1. In a device for removing foreign bodies from the gullet of animals especially of ruminants and in combination, a flexible but not compressible probang having an enlarged fore end, a soft rubber end ring attached to this enlarged fore end and having a tapered edge and an internal swelling at the base, a sieve intercalated between the enlarged and the narrow part of the probang, an air pump provided with spring controlled valves, one as a nonreturn valve inside of its orifice and the other as a venting valve in the wall next to said orifice, and co-acting connecting means at the back end of the probang and at the fore end of the air pump, the whole constituting the means for sucking the foreign body fast to the rubber ring and to extract it with the probang.

1,735,288. STRIP-FEEDING MACHINE. EDWIN E. LEONARD, Chicago, Ill., assignor to Interstate Iron and Steel Company, Chicago, Ill., a Corporation of Illinois. Filed June 13, 1927. Serial No. 198,513. 14 Claims. (Cl. 10-171.)

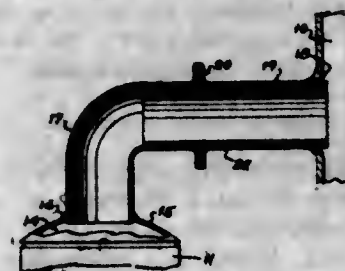


4. In a machine for feeding a strip of stock, a frame, a guide carried thereby, a carriage slidably mounted on the frame, a feed-device comprising a sliding feed-box and a fixed anchor-box on the carriage, means in the feed-box to move the stock toward the guide, means in the anchor-box to hold the stock in its forward position, and spring-stressed cover-plates on said boxes having means to adjust the stock-moving and stock-holding means respectively.

1,735,289. RADIATOR CONNECTION FOR TRANSFORMER TANKS. LEWIS G. MCCLINTOCK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Mar. 1, 1924. Serial No. 696,167. 3 Claims. (Cl. 257-191.)

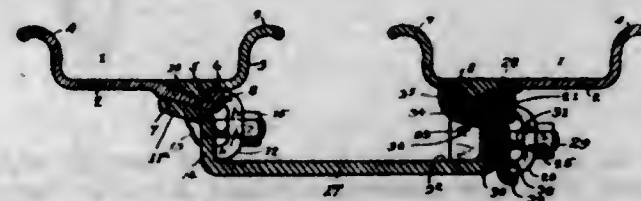
2. The combination comprising a tank, a radiator disposed substantially parallel to said tank and means for

connecting said tank and radiator at spaced points, comprising horizontal pipe sections extending from said tank and radiator and having outwardly extending flanges at their adjacent ends and a pipe having telescopic relation



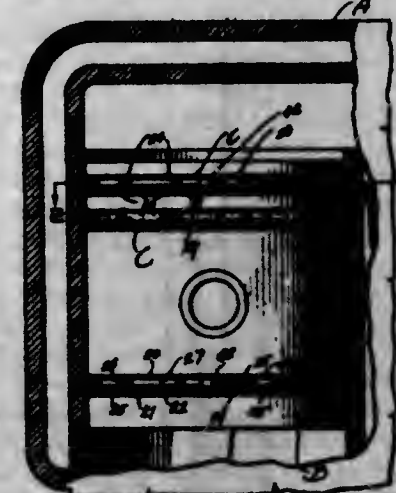
within each of said pipes, whereby the vertical load of said radiator is carried by said inserted pipe and the outer edges of said flanges being welded to form a leak-proof joint but being free of the vertical radiator load.

1,735,290. DUAL-TIRE WHEEL STRUCTURE. FRANK H. MAYER and FRED R. KLAUS, Warren, Ohio, assignors, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 14, 1925. Serial No. 50,214. 8 Claims. (Cl. 301-13.)



2. In a wheel assembly, a member formed with a circumferential seating surface; an annular adapter ring having an inclined body portion seated on the seating surface, an upstanding flange constituting a stop for a rim, and an inwardly extending flange for engagement with the side of the member; and means coacting with the ring for clamping a rim on the member.

1,735,291. PISTON-RING CONSTRUCTION. MATTHEW M. MORATTA, Princeton, Ind. Filed Apr. 10, 1925. Serial No. 22,193. 8 Claims. (Cl. 74-109.)

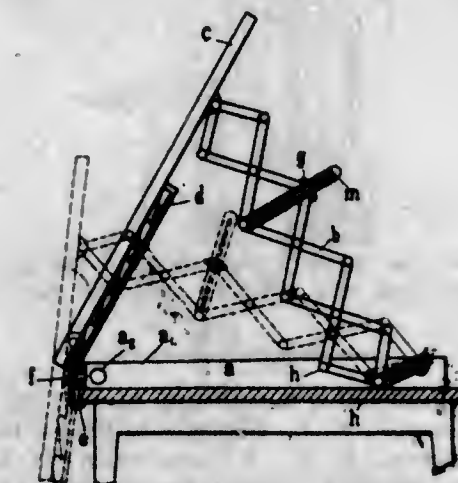


1. A piston ring construction comprising a pair of split substantially ring-shaped members, means yieldably connecting said members in spaced relation to provide a pair of concentric grooves outwardly facing from the outer periphery of said ring, and a flange carried by one of said members at the inner periphery of said ring terminating at its outer edge short of the other member of said ring.

1,735,292. DRAWING BOARD. ERNST MORATZ, Frohnau, near Berlin, Germany. Filed Mar. 9, 1925. Serial No. 14,260, and in Germany Mar. 10, 1924. 2 Claims. (Cl. 45-131.)

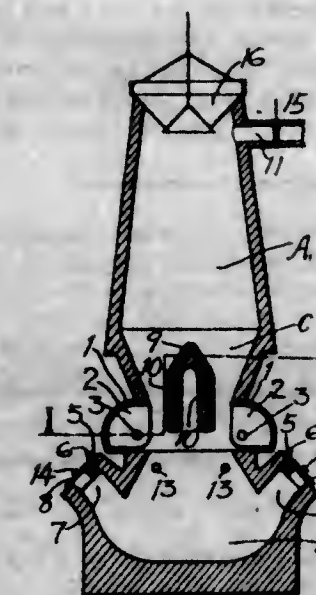
1. In a drawing table, in combination, a drawing board, a support for said drawing board, a guide on said support,

means for maintaining said drawing board in an inclined position, said means comprising lazy-tongs secured at one end to said board and pivotally secured in said guide at



the other end, and means to adjustably and detachably and pivotally connect said drawing board to said support at any one of a plurality of positions on the drawing board.

1,735,293. BLAST FURNACE. YOSHIMICHI MURAKAMI, Oasa, Hiratsuka-Mura, Ebara-Gori, Tokyo Prefecture, Japan. Filed Sept. 14, 1926. Serial No. 135,375, and in Japan Sept. 28, 1925. 2 Claims. (Cl. 266-7.5.)

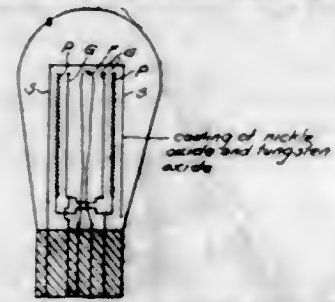


1. A blast furnace comprising a shaft member to contain ore, a hearth member disposed beneath said shaft member, an intermediate member providing communication between the shaft member and the hearth member and means associated with said intermediate member to control the descent of ore from the shaft member onto the hearth member, said means comprising a bell-shaped member disposed in said intermediate member and spaced from the walls thereof, said bell-shaped member having orifices in the walls thereof, and closure means associated with said intermediate member and said bell-shaped member whereby the descent of ore from said shaft member through the space between the bell-shaped member and the walls of the intermediate member may be controlled.

1,735,294. VACUUM TUBE. KINJIRO OKABE, Sendai, Japan. Filed May 11, 1926. Serial No. 108,406, and in Japan Mar. 5, 1926. 1 Claim. (Cl. 250-27.5.)

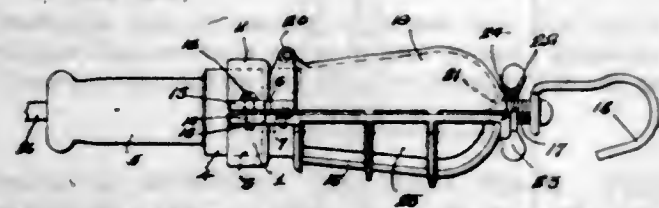
A vacuum tube comprising a filament, a control grid spacedly disposed on each side of said filament, main anodes spacedly disposed adjacent the outward sides of said grid

and aluminum auxiliary anodes coated with nickel oxide and tungsten oxide spacedly disposed adjacent the outward sides of said main anodes whereby the variation in



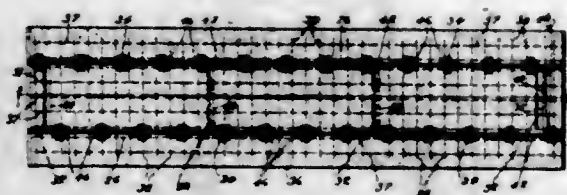
the anode voltage directly depends upon the primary electron current from the filament and the current in the main anode.

1,735,295. PORTABLE ELECTRIC LAMP. RAYMOND H. OLLEY, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Aug. 18, 1927. Serial No. 213,956. 11 Claims. (Cl. 240-54.)



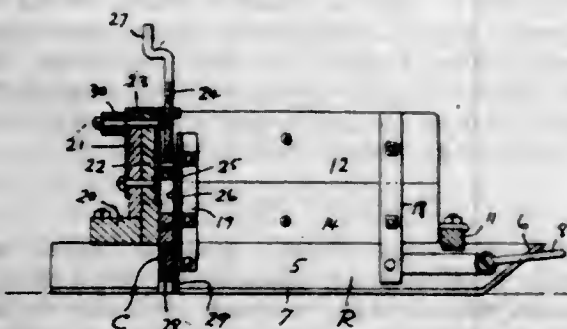
3. A portable electric lamp comprising a body, a lamp socket, a handle, the body partly enclosing the lamp socket and the handle, means for securing the lamp socket to the body, means for securing the handle to the body, the latter means being complementary to the body and enclosing the lamp socket and the handle and covering the lamp socket securing means, means for clamping the handle securing means to the body and a lamp guard including a portion rigid with the body and a portion carried by the handle securing means.

1,735,296. ROADBED. WARREN M. OSBORN, Chicago, Ill. Filed Jan. 17, 1929. Serial No. 333,051. 5 Claims. (Cl. 238-7.)



1. A rail bed for railways comprising a permanent base provided in its top surface with parallel rail-grooves in track gauge, metallic stringers embedded in said base and forming the lower walls of said grooves, rail-chairs in said grooves permanently mounted on said stringers, insulating linings in said chairs and grooves, and insulating rail-fastenings in said chairs on both sides of associated rails.

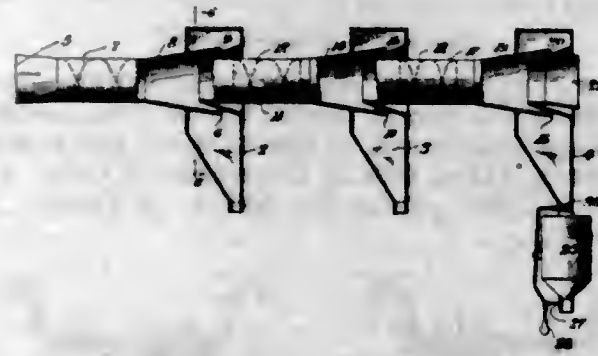
1,735,297. GRAVEL SPREADER. ELBERT L. PARDUE, Huntingdon, Tenn. Filed Apr. 17, 1929. Serial No. 335,778. 4 Claims. (Cl. 94-39.)



1. A gravel spreader of the class described comprising a pair of spaced parallel coextensive runners, side walls ris-

ing from the runners, a rear wall between the rear ends of the side walls, angle arms arranged on the inner sides of the side walls adjacent the rear wall, a beam movable between the angle arms and the rear wall, brackets on the rear walls, brackets rising from the beam, rods swivelled in said bracket rising from the beam and threaded through the brackets on the rear wall.

1,735,298. APPARATUS FOR COLLECTING DUST PARTICLES. HENRY WILLIAM PFEFFER, Narberth, Pa., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 9, 1927. Serial No. 166,823. 11 Claims. (Cl. 183-111.)



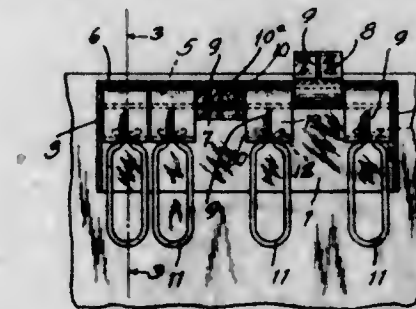
11. In a multiple stage dust collector through which air laden with dust particles is passed, a conduit having a plurality of stages, means comprising a screw in each stage for throwing the dust particles in the air passing therethrough outwardly towards the walls of the conduit, said screws in the several stages being of different pitches, and means at each stage for collecting the dust particles so separated, said collecting means comprising a plurality of receptacles, one for each stage.

1,735,299. HIGH-PRESSURE PUMP. PETER M. RUDNICK, Hawthorne, N. J. Filed Jan. 29, 1927. Serial No. 164,484. 8 Claims. (Cl. 221-47.3.)



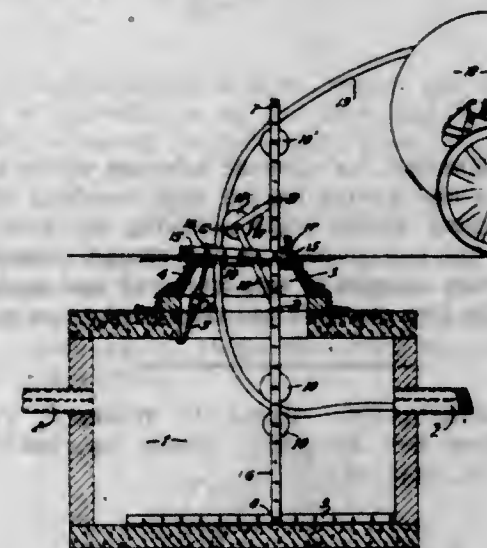
3. In a pump of the class described, a cylinder, a head for one end of the cylinder provided with a guide opening, a piston stem provided with ratchet teeth, slidable in the guide opening, a ratchet member guided on said stem and including a pawl engageable with said ratchet teeth upon movement of the ratchet toward said head, and means for moving the ratchet toward and away from said head.

1,735,300. KEY PURSE. HARRY C. SCHWEDER, Concord, Calif. Filed Apr. 4, 1928. Serial No. 267,256. 4 Claims. (Cl. 150-40.)



1. A key pouch having a bracket secured to one of the walls thereof, a supporting bar journaled in the bracket and substantially U-shaped supports depending from the bar, said supports having apertures in the bottoms thereof and kerfs through three sides of the supports and intersecting the apertures.

1,735,301. CABLE-CONVEYING MEANS. WALLA SHORT, Webb City, Mo. Filed Dec. 3, 1926. Serial No. 152,497. 1 Claim. (Cl. 175-878.)

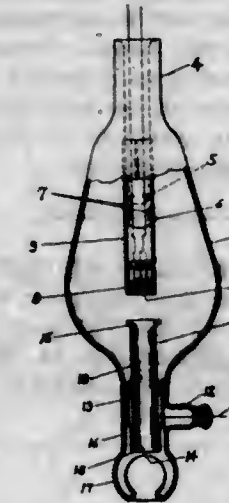


In a cable conveying means, in combination with the manhole of an underground conduit system, a pair of apertured bars, one end of the bars resting on one side of the manhole, and a clamp for snug engagement, and a second clamp as carrying means for the other end of the bars on the opposite side of the manhole, a roller having a journal to engage in a selected pair of apertures as guiding means for a cable, a pair of apertured bars vertically positioned, a sheave trunnioned in the selected pair of apertures in the upper end of the bars, and a pair of sheaves, each being trunnioned in a selected pair of apertures, the last said sheaves positioned near the lower end of the bars, the said sheaves being the carrying and guiding means for a cable in axial alignment with the conduit, two pairs of arms pivotally connected at the ends, and a sheave trunnioned on the pivot connecting means, each of the opposite ends of said bars being attached by pins engaging in apertures in the vertical bars selected respectively, by which means the last said sheave is moved to and from the vertically positioned bars to cause snug engagement between the last said sheave and the roller, an apertured bar connected to the lower end of the vertical bars, the first said bar functioning as spacing and carrying means for the said vertical pairs of bars.

1,735,302. LENARD RAY TUBE. CHARLES MORSE SLACK, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Apr. 23, 1929. Serial No. 272,194. 14 Claims. (Cl. 250-27.5.)

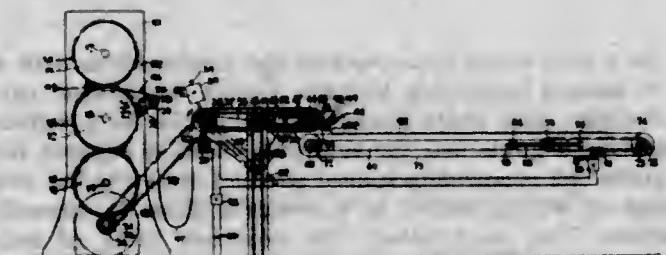
1. A Lenard ray tube operable in the absence of appreciable gas ionization within the tube to project cathode

rays into the atmosphere comprising an envelope, a source of electrons therein, an anode having an aperture there-



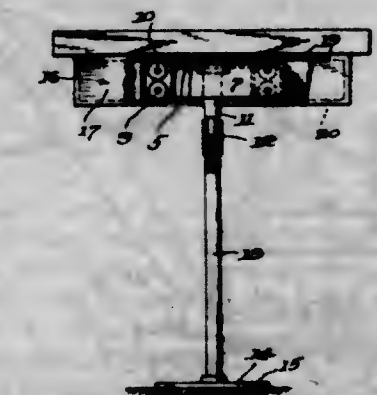
in, and a window transparent to cathode rays disposed opposite said aperture, said window being composed of vitreous material.

1,735,303. APPARATUS FOR CONSTRUCTING TUBES. JOHN B. TIFFANY, Akron, Ohio, assignor to The Good-year Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 29, 1927. Serial No. 202,427. 3 Claims. (Cl. 154-5.)



1. A tube making apparatus comprising means for forming a sheet of tube stock material, a pair of conveyor belts for receiving the sheet, means for intermittently operating the belts at equal speeds, means for severing the sheet between the belts, and a plurality of rollers for supporting one of the belts, a pair of the rollers being movable relative to each other for separating severed ends of the sheet.

1,735,304. ADJUSTABLE CHAIR SEAT. GEORGE B. TRAVIS, Santa Paula, Calif. Filed Feb. 15, 1928. Serial No. 254,479. 1 Claim. (Cl. 155-122.)



An adjustable seat comprising a seat mounting constructed to provide a horizontal body portion of rectangular outline having a pivot pin depending therefrom and adapted to be mounted in a pedestal, parallel side flanges depending from the body portion, journal boxes on the flanges at opposite ends thereof and projecting from the outer sides thereof, upper and lower rollers rotatably mounted in the journal boxes, and a track structure adapted to be secured underneath a seat and constructed to provide a rectangular shaped frame having end members and

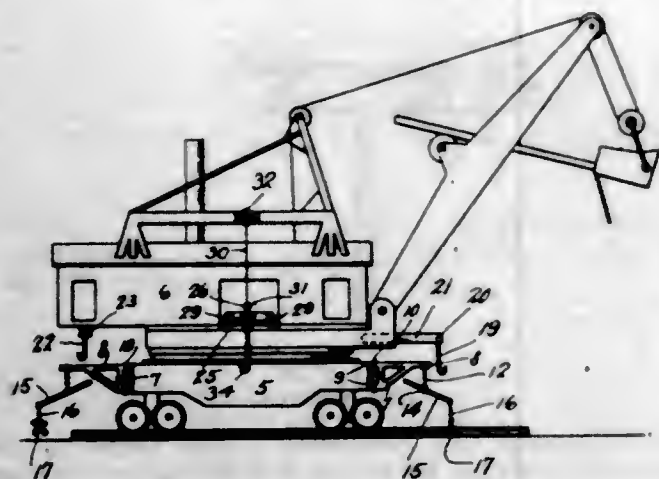
parallel spaced apart U shaped rails having upper and lower horizontal flanges, the seat mounting being interposed between said rails, with its upper and lower rollers interposed between the upper and lower flanges of the rails for rolling contact with the flanges, the end members of the track structure operating to definitely limit the movement of the track structure on the seat mounting in either direction, and cushioning elements on the end members adapted to engage the seat mounting.

1,735,305. PULL-CHAIN LAMP SOCKET. WILLIAM C. TREGONING, Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis., a Corporation of Delaware. Filed July 14, 1928. Serial No. 292,880. 7 Claims. (Cl. 173-354.)



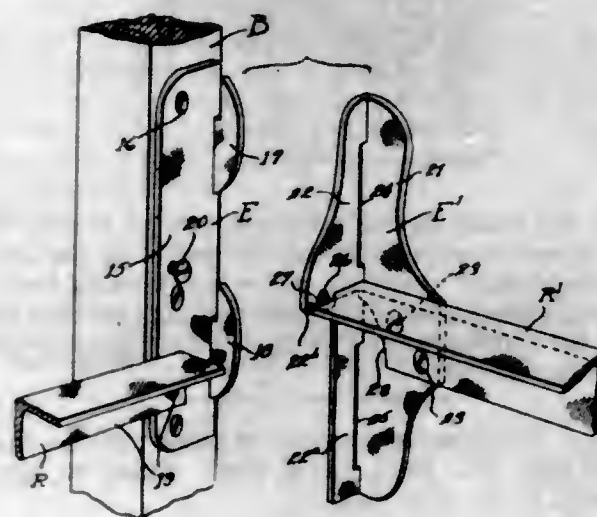
7. In a pull chain lamp socket, the combination with a pair of spaced insulating buttons, switch mechanism carried thereby, pull chain operating means for said switch mechanism, a guide bell for said pull chain, a support for said guide bell comprising spaced parallel arms the flat end portions of which project in a common plane in opposite directions from each other, the adjacent faces of said buttons being recessed to permit free movement of said end portions therebetween, and the walls of said recesses being formed to permit partial rotation of said end portions therewithin, whereby said end portions may be locked within said recesses.

1,735,306. TRACK-LAYING ATTACHMENT. GROVER C. VOIT, Hopedale, Ohio. Filed Sept. 18, 1928. Serial No. 306,623. 4 Claims. (Cl. 104-5.)



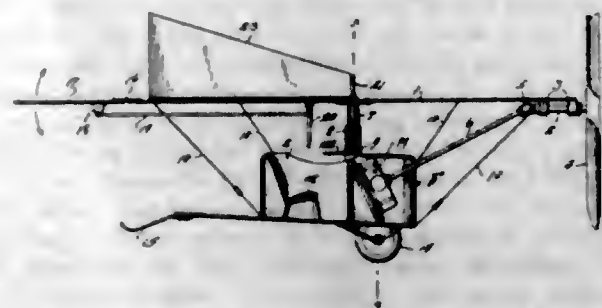
1. In a steam shovel structure of the class described, a truck, a superstructure turnably mounted on the truck, and means on the superstructure for lifting rails, and means on the truck for lifting rails.

1,735,307. CONNECTER FOR RAILS. ADOLF WESTON, Los Angeles, Calif. Filed Aug. 23, 1927. Serial No. 214,908. 6 Claims. (Cl. 5-294.)



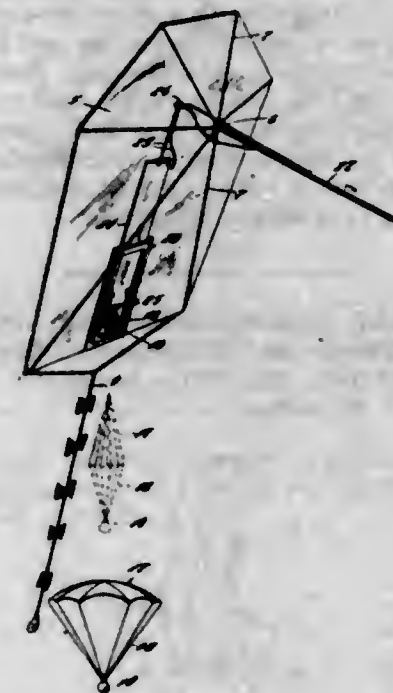
6. In combination, an element adapted to be secured to a bed post and having spaced hook members thereon, a second element having slots receiving the hook members, and a bed rail secured to the second element and having a portion adapted to seat on one of said hook members, when the two elements are connected to each other.

1,735,308. AIRPLANE. PAOLA P. WORRELL, Chester, Idaho. Filed Oct. 29, 1927. Serial No. 229,676. 4 Claims. (Cl. 244-14.)



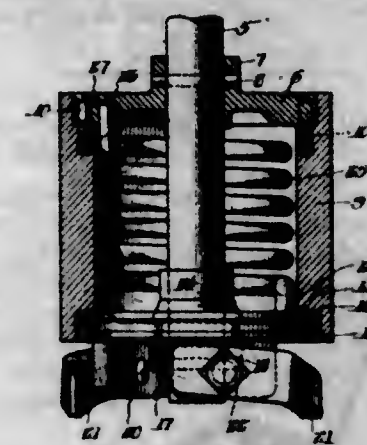
2. An airplane comprising, in combination, a circular plane, a member depending from the axial center thereof, a fuselage below the plane, a supporting yoke extending upwardly and over the central portion of the fuselage and having connection with said member, a propeller rotatably supported by the forward peripheral portion of the plane, power means carried by the fuselage and operatively engaged with the propeller for rotating the same, an elevator carried by the rear peripheral portion of the plane, and means depending from the plane and operatively engaged with the elevator for adjusting the same, said last means carried by the plane being positioned above the fuselage.

1,735,309. KITE. CHARLES AUGUST ALBRECHT, East Chicago, Ind. Filed Aug. 10, 1928. Serial No. 298,644. 6 Claims. (Cl. 244-24.)



1. In combination, a kite, means for storing a plurality of parachutes on the kite, and means for individually releasing the parachute from the kite when the kite is in the air.

1,735,310. CUTTER. CARL J. ANDERSON, Chicago, Ill., assignor of fifty-one and two-thirds per cent to Erik Borg and fifteen per cent to Carl U. Johanson, Chicago, Ill. Filed Apr. 9, 1928. Serial No. 268,472. 4 Claims. (Cl. 144-118.)

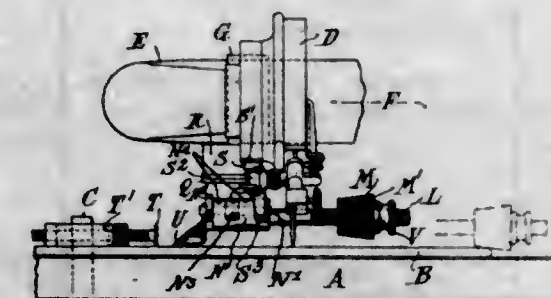


1. A cutter having, in combination, a shaft adapted to be rotatably supported in a vertical position, a disk supported on said shaft for rotation therewith, a cylindrical member supported by and extending downwardly from the outer edge of said disk, a second disk having cutting means on the lower side thereof, said disk being rotatably supported on said shaft and engaging the lower end of said cylinder to prevent upward movement of said disk along said shaft, means for securing said disk against downward movement along the said shaft, and a coiled torsion spring concentrically mounted within said cylinder with its opposite ends engaging said disks adjacent the outer edges thereof.

1,735,311. REPEATING MECHANISM FOR TALKING MACHINES. SUMNER B. BATTERY, New York, N. Y. Filed Aug. 21, 1922. Serial No. 588,132. 10 Claims. (Cl. 274-15.)

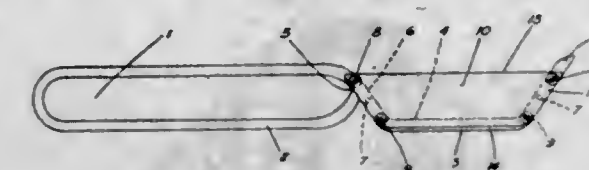
2. A repeating mechanism for talking machines having a movable sound box or the like, said mechanism includ-

ing a member independent of the needle adapted to be engaged with the record, said member cooperating with the record to lower the sound-box whereby to bring said needle into engagement with the record, said member comprising a roller and a shaft therefor, the roller having a



broad face radially of the record, and said parts being constructed and mounted so that the lower face of the roller is inclined upwardly toward the interior of the record and in a vertical plane passing through the axis of said roller.

1,735,312. PARING KNIFE. THOMAS BELL, Otago, New Zealand. Filed Jan. 15, 1927. Serial No. 161,278. 3 Claims. (Cl. 30-20.)



2. An improved paring knife including a blade carrier having pins extending from the ends thereof, a blade mounted on the carrier and supported against the pins, and adjusting screws extending through the blade and into the carrier on opposite sides of each of the pins, whereby the blade may be tilted on the pins as a fulcrum to adjust the cutting edge of the knife with respect to the lower edge of the carrier.

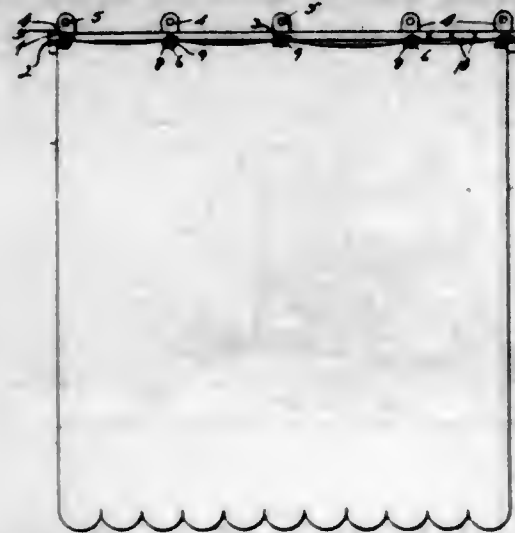
1,735,313. METHOD OF TREATING DAIRY PRODUCTS. SAMUEL B. CHAMBERS, Chicago, Ill. Filed Aug. 19, 1926. Serial No. 51,081. 8 Claims. (Cl. 99-13.)

8. The method of producing butter having superior keeping qualities, wherein malt diastase having diastatic strength of approximately 140 degrees F. Lintner test is mixed with raw cream in proportion of approximately one and one-half pounds diastase to one hundred pounds cream, the cream being thereafter maintained at a temperature of 125 to 135 degrees Fahrenheit for a period of approximately one and one-half hours, after which the cream is raised to a temperature of approximately 150 degrees Fahrenheit for a period of five minutes or less, the cream thereafter being cooled and churned to produce butter.

1,735,314. AWNING HANGER. JAMES A. DUTHIE, Philadelphia, Pa. Filed Apr. 27, 1923. Serial No. 634,958. 1 Claim. (Cl. 156-15.)

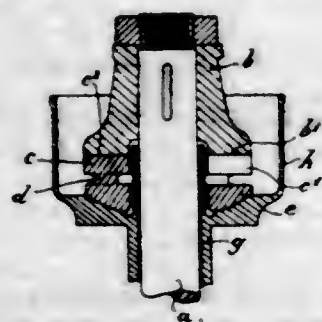
A device of the kind disclosed comprising a hollow rectangular longitudinally slotted metal casing provided with a plurality of spaced parallel lateral grooves formed in the exterior faces of all its walls adjacent only one end so that selected portions of the casing can be readily broken

off, and means at spaced intervals on the back wall of the casing adapted for attachment of the casing to a support, one of said means being behind the endmost groove,



whereby the removal of any portion of the grooved end of the casing will eliminate the last mentioned one of said means.

1,735,315. THRUST BEARING. EDMOND FULPIUS, Geneva, Switzerland, assignor of one-half to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Sept. 1, 1921, Serial No. 497,520, and in Switzerland Dec. 23, 1916. 28 Claims. (Cl. 308-160.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a thrust bearing, in combination, a thrust element having a continuous and unyielding rubbing surface, a cooperative thrust element divided into a plurality of shoes or sections having rubbing surfaces cooperative with that of said first thrust element and adapted to yield under the action of the load for the purpose of facilitating the introduction of oil between the cooperative rubbing surfaces, and a relatively unyielding supporting element for said shoes or sections, said shoes or sections being united to said supporting element by means of supporting columns.

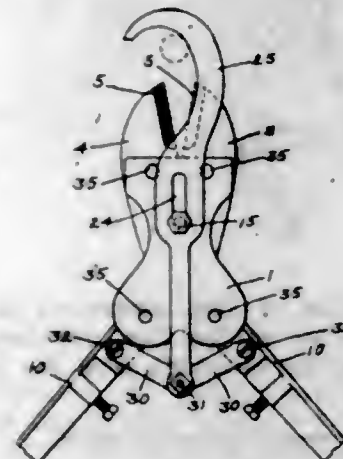
1,735,316. ELECTRICAL CONNECTER. JOE WHEELER HAMILTON, Atlanta, Ga. Filed June 21, 1927. Serial No. 200,320. 10 Claims. (Cl. 173-343.)



1. A separable electrical connector, including a plug member, a single plug terminal extending therefrom and to

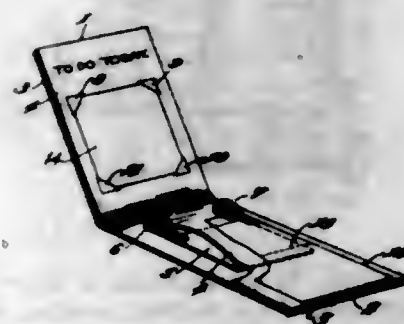
which one conductor is connected, said plug terminal being tapered and of substantially cylindrical formation and having a projecting portion provided adjacent its inner end with an annular bead, a contact carried by said plug member for connection to another conductor, a socket member having an opening for receiving said plug terminal and having an annular groove in which said bead is engageable when the plug terminal is inserted into said opening, and a contact carried by said socket member for engagement with the first named contact irrespective of any position of rotation of either of said members relative to the other about their longitudinal axes.

1,735,317. BOLT AND WIRE CUTTER. JOHN H. HELWIG, ANNA HELWIG, and WILHELMINA HELWIG, St. Paul, Minn. Filed Feb. 23, 1927. Serial No. 170,233. 9 Claims. (Cl. 81-199.)



1. A device of the class described, including a pair of pivoted cutter jaws, and a translatable mounted guide finger arranged adjacent the meeting line of the cutters and extending outwardly therebeyond as a guide, handle levers to operate the jaws, and connections between the finger and handles to translate the finger as the handles are moved.

1,735,318. MEMORANDUM BOOK. LESLIE P. HURY, St. Louis, Mo. Filed June 6, 1923. Serial No. 643,741. 2 Claims. (Cl. 129-20.)

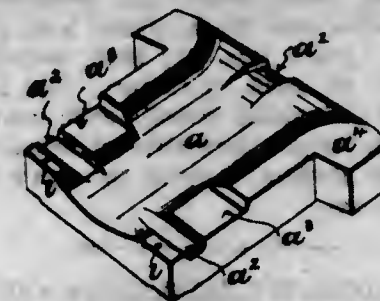


2. A memorandum book comprising front and back covers and a plurality of memorandum sheets each perforated from one edge to another edge, said back cover having means for holding said sheets complete and said front cover having means for receiving portions of said sheets, detached along the line of perforation, only.

1,735,319. BEARING FOR ROLLING MILLS AND THE LIKE. DAVID JONES, Gorphwipfa, Tlresed, Glamorgan, Wales. Filed Jan. 28, 1928, Serial No. 250,261, and in Great Britain Jan. 29, 1927. 4 Claims. (Cl. 308-36.)

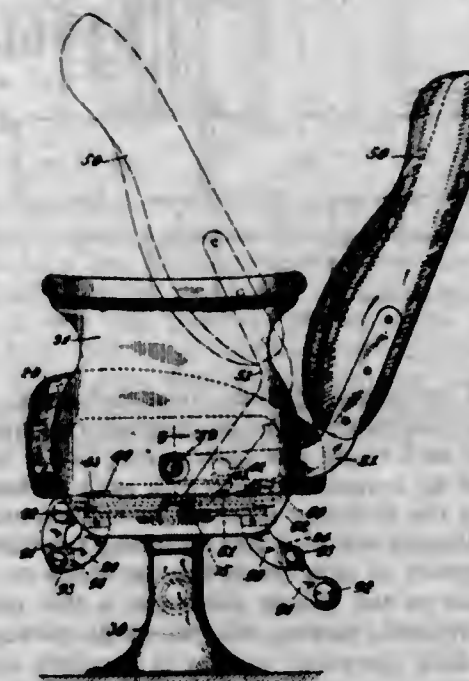
1. Bearing blocks for sheet metal rolling or sheet metal treating mills comprising a solid lower block, a curved upper face to the block, lugs forward of the block on either hand, longitudinal groove provision at the forward end of the block, and lateral grooves communicating from the

lateral grooves communicating from the lateral edges of the block with the curved upper face of the block, and a



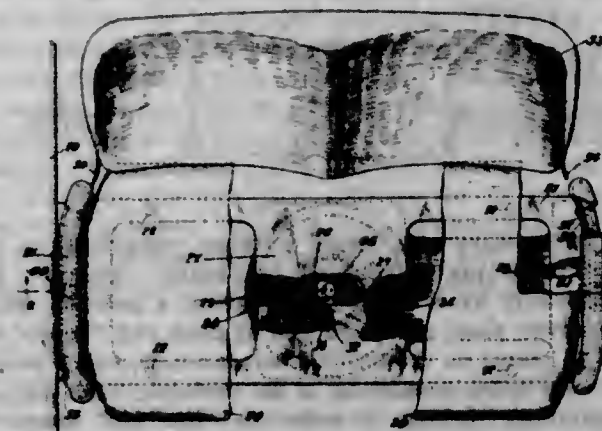
rounded face at the forward edge of the block for the neck of the roll and a substantially flat base to the bearing block.

1,735,320. CAR SEAT. JOHN B. KILBURN, Ocean City, N. J. Filed July 2, 1926. Serial No. 120,078. 13 Claims. (Cl. 155-96.)



1. The combination with two stationary end members, of a supporting frame therebetween, a cushion rest mounted on said supporting frame for rotation between said end members, and means whereby the ends of said cushion rest are supported on said end members whenever the cushion rest is revolved to face in either of two opposite directions, said means including wedges on the cushion rest engaging in tapered recesses on the end members.

1,735,321. CAR SEAT. JOHN B. KILBURN, Ocean City, N. J. Filed July 2, 1926. Serial No. 120,080. 6 Claims. (Cl. 155-96.)



1. In a vehicle, the combination with a vehicle wall, of a supporting frame, a seat cushion, a cushion rest therefor

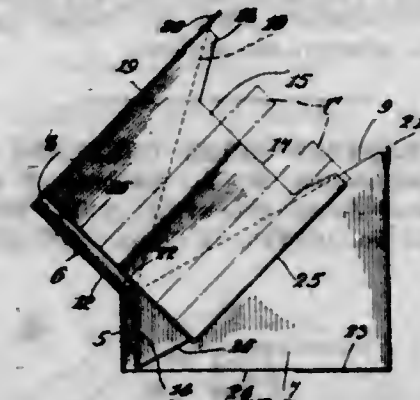
rotatably mounted on said frame for horizontal reversal, means for shifting the cushion rest and cushion bodily on the support both away from the wall and longitudinally thereof as the rest and cushion are revolved to reverse the aspect of the seat, and means for confining the cushion rest against rocking movement on the supporting frame during the shifting and rotation of the cushion rest thereon.

1,735,322. MOWER GUARD. CHARLES L. KUCHA, Artesian, S. Dak. Filed Apr. 7, 1928. Serial No. 265,186. 3 Claims. (Cl. 56-309.)



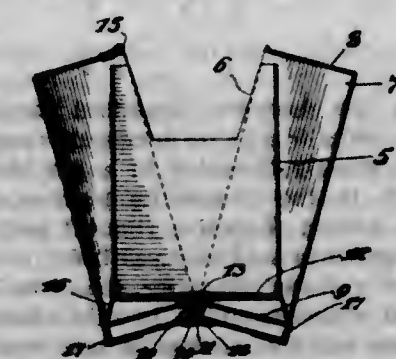
3. In combination with a mower guard and ledger plate supported thereby, said mower guard and ledger plate having registering openings, a tapered pin driven into the mower guard and extended through the ledger plate, from the upper side of the mower guard, and said pin being distorted adjacent to one end to lock the pin against movement.

1,735,323. CONTAINER. CHARLES L'ENFANT, New York, N. Y. Filed Feb. 5, 1926, Serial No. 86,120. Renewed July 2, 1928. 6 Claims. (Cl. 206-41.)



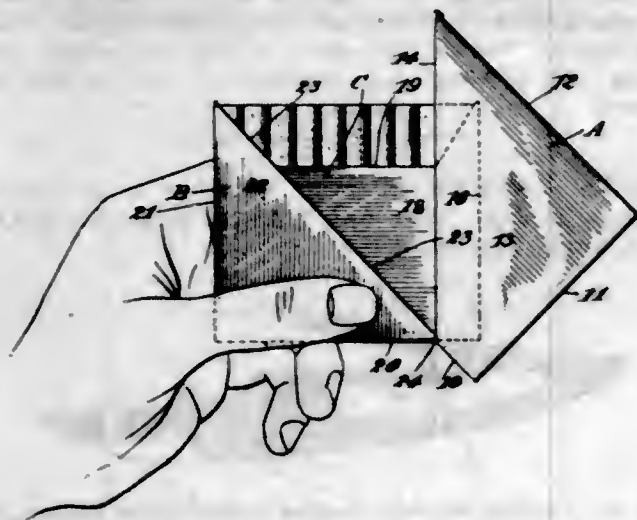
1. A container comprising two mating sections, a false bottom in one of said sections, an article holder in the other section and adapted to enter the section containing the false bottom, and a hinge connecting the false bottom with the bottom of the article holder intermediate its ends.

1,735,324. CONTAINER. CHARLES L'ENFANT, New York, N. Y. Filed Feb. 5, 1926, Serial No. 86,130. Renewed July 2, 1928. 8 Claims. (Cl. 206-41.)



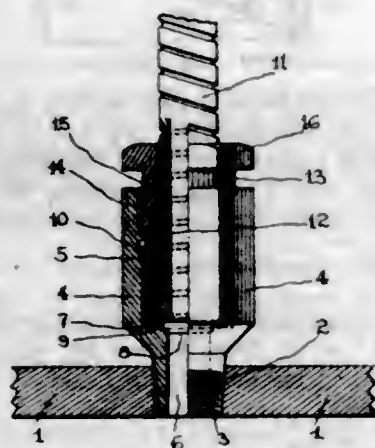
1. A container comprising an article holder, an enclosing case therefor comprising two sections, a transverse hinge connecting said sections in spaced relation to the bottom end walls thereof, and means extending through the article holder and embracing the hinge, said means also engaging the bottom end walls of the case sections to urge the said case sections into closed position about the article holder.

1,735,325. CONTAINER. CHARLES L'ENFANT, New York, N. Y. Filed May 16, 1927. Serial No. 191,599. 13 Claims. (Cl. 229-44.)



1. A container comprising a complete rectangular case, a rectangular enveloping case formed of a pair of case parts, one of which is transversely hinged near one end at a point removed from the adjacent corner of the enveloping case, the hinged part having a relatively short bottom between said point and said end, said hinged part being separable from the other part on a line extending from the hinge to a point adjacent the corner diagonally opposite that near which the parts are hinged, whereby, when the first rectangular case is completely filled the hinged part may be opened without injury to the contents.

1,735,326. FLEXIBLE HOSE COUPLING. ROY W. LINDSAY, Huntington, N. Y., assignor of one-half to Raymond Burr Jones, Bronxville, N. Y. Filed Feb. 4, 1927. Serial No. 165,775. 1 Claim. (Cl. 285-166.)

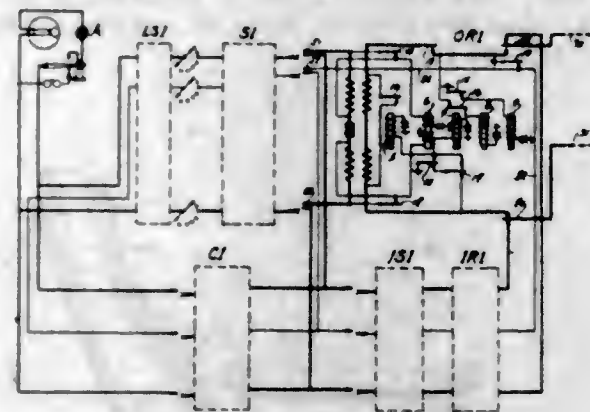


A device of the character described including a coupling head for metallic pipe or duct ends comprising a recessed body internally threaded in a portion of its area and chambered in the remaining portion, and having formed at the bottom thereof a rimmed seat, a hose end connection mounted in said recessed body, a tractable metallic sleeve of a lesser diameter than the diameter of said chambered recess mounted in said chamber and engaging said seat and the surface of said hose end, and a pack-nut mounted in the threaded portion of said recess adapted to engage said tractable sleeve and when tightened to the limit of its movement in said body partly distort said sleeve to seal the same on said seat and around all of the surface of said hose end within said body, and by reason of the difference in the diameters of said recessed chamber and sleeve provide means for forming new seats during the adjustment of the relative parts thereof.

1,735,327. METHOD OF MAKING CARBOLIC ACID. STEWART JOSEPH LLOYD, University, and ABRAHAM MASON KENNEDY, Montgomery, Ala., assignors to Federal Phosphorus Company, Birmingham, Ala., a Corporation of Alabama. Filed Mar. 21, 1925, Serial No. 17,429. Renewed Oct. 28, 1926. 7 Claims. (Cl. 260-154.)

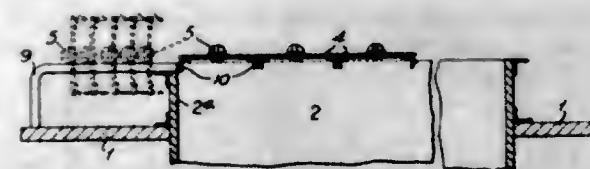
1. A method of making carboic acid, consisting in vaporizing a monohalogen derivative of benzol and passing same in a vapor phase with steam through a catalyst comprised of silica gel.

1,735,328. AUTOMATIC TELEPHONE SYSTEM. CLARENCE E. LOMAX, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Apr. 16, 1927, Serial No. 184,197. Renewed Jan. 12, 1929. 30 Claims. (Cl. 179-18.)



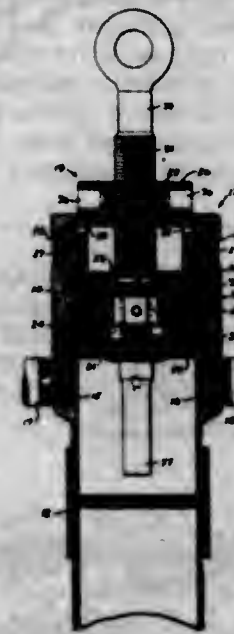
1. In a telephone system, two exchanges, a two-ray trunk line comprising only two conductors connecting said exchanges, said trunk line terminating in an incoming repeater and an outgoing repeater in each exchange, means for seizing the outgoing repeater in one exchange, means in said outgoing repeater for repeating impulses over the two conductors of said trunk line in series to the incoming repeater in the second exchange, a line relay in said incoming repeater having two windings through the medium of which operating current is normally connected to said trunk conductors, automatic switches in the second exchange, contacts on said line relay for repeating the impulses sent over said trunk line to operate said switches to complete a connection, and means controlled by the response of the called subscriber for disconnecting said line relay and all battery connections from said trunk line during conversation.

1,735,329. HATCH COVER. ROBERT MACGREGOR, London, England. Filed Aug. 21, 1928, Serial No. 301,113, and in Great Britain Feb. 24, 1928. 5 Claims. (Cl. 114-202.)



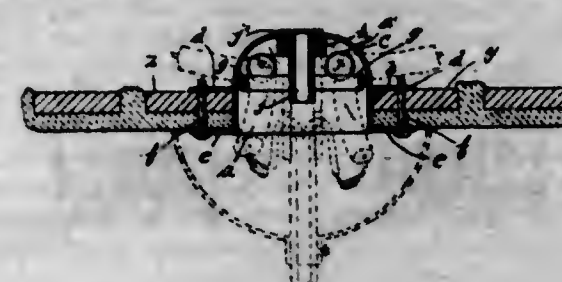
1. A hatch cover for ships' hatches comprising a plurality of cover plates adapted to assume co-planar covering positions over the hatch opening, a pair of rollers on each cover plate arranged one at each end thereof and adapted to travel on the hatch side coamings, and a mounting for each roller consisting of an eccentric bush adapted to be partially rotated in order to raise and lower the cover plates when in covering positions, the plates being adapted to swing about the axes of the rollers to vertical collateral non-covering positions.

1,735,330. OIL-WELL-SEALING DEVICE. EMMET H. McMAHAN, Ventura, Calif.; Mabel McMahan executrix of said Emmet H. McMahan, deceased. Filed June 18, 1924. Serial No. 720,817. 6 Claims. (Cl. 166-14.)



4. A sealing device for sealing the upper end of well casing comprising a tubular member having fluid inlet ports leading thereto, a cap member detachably secured to the upper end of said tubular member, a shoe member loosely mounted below said cap member, an expansible packing ring surrounding said shoe member and engaging said cap member, and a shoe adjusting mechanism secured to said cap member for moving said shoe to expand said ring into fluid tight engagement with said tubular member.

1,735,331. OUTLET BOX. JOHN J. MERRILL, Ipswich, Mass., assignor, by mesne assignments, to Electric Outlet Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 18, 1921. Serial No. 493,274. 1 Claim. (Cl. 247-21.)

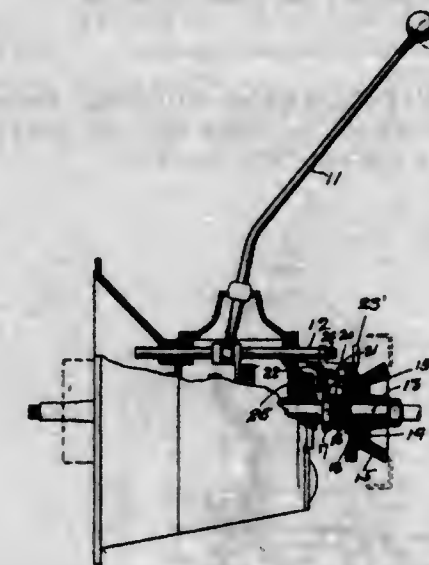


An outlet box having end walls, side walls secured to the end walls and of a lesser height than the latter, whereby the end walls project beyond the side walls, a bottom wall secured to the projecting portions of the end walls and abutting the lower edges of the side walls, flanges formed on the ends of the bottom wall and projecting at right angles to the side walls from the points at which the walls abut, a clamping plate having an aperture to receive the side and end walls and slidable thereover, and means to secure the clamping plate to the flanges on the bottom wall, whereby the wall upon which the box is secured will be received between the plate and flanges and clamped when the securing means is tightened.

1,735,332. REVERSE BRAKE FOR AUTOMOBILES. MARTIN A. MIKESH, Milwaukee, Wis. Filed Feb. 9, 1925. Serial No. 8,065. 1 Claim. (Cl. 192-4.)

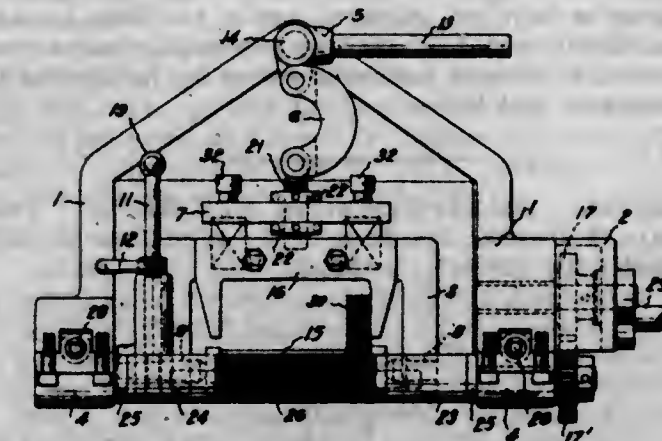
The combination with an automobile transmission having a clutch shaft and a shifting lever movable from a

neutral position in which said transmission is inoperative to a plurality of other positions wherein said transmission is rendered operative, of a ratchet disk mounted on said shaft so as to resist rotation relatively thereto, a pawl operable positively to engage the ratchet to restrain reverse rotation thereof, resilient means normally oper-



able to prevent engagement of said pawl with said ratchet, and means operably associated with said pawl and said shifting lever for moving said pawl into engagement with said ratchet by moving said lever from its neutral position to a position wherein said transmission is rendered operative.

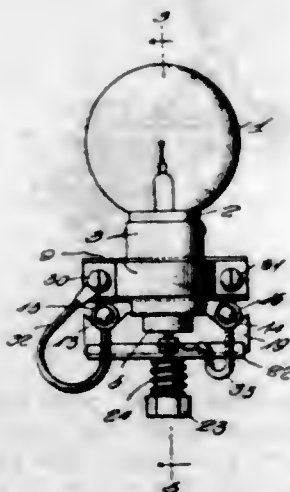
1,735,333. PISTON-RING-GRINDING APPARATUS. GEORGE W. OLSON, Muskegon, Mich., assignor to Muskegon Piston Ring Company, Muskegon, Mich., a Corporation of Michigan. Filed Aug. 10, 1928. Serial No. 298,677. 4 Claims. (Cl. 51-236.)



1. In a grinding machine having a movable work table transversely reciprocable with reference to a fixedly-mounted grinding wheel rotating in a plane at right angles to the axis of the mandrel on which the work to be dressed or ground is placed, a base or frame having slidably mounted thereon a carriage provided with fixed and adjustable centers for supporting a work-carrying mandrel movable (with carriage) to and from the grinding wheel, adjustably connected means for moving said carriage and mandrel so as to bring the work carried by the latter into contact with the grinding instrumentality, adjustable means for limiting said movement to control the thickness of the finished work, adjustable means for driving work by frictional contact with two adjustably mounted rolls of yieldable material whose resiliency offsets or compensates for eccentricity and surface inequalities, means for varying the pressure with which the rolls are made to bear on the work and hold it to the work-supporting mandrel while driving it but not great enough to distort the work, adjustable work-

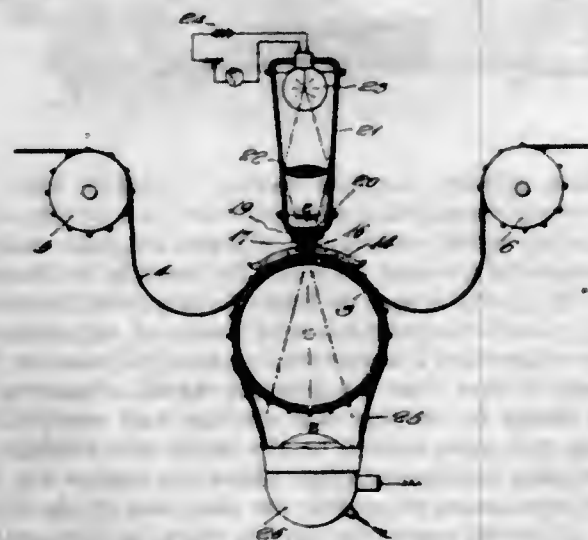
guiding means for keeping the work in line with the endwise positioning of the work-holding mandrel, means for locking the adjustable mandrel-supporting center in adjusted position, and means for rotating the adjustably-mounted work-driving friction rolls in association with the means employed for driving the grinding instrumentality and imparting to the work table reciprocating motion parallel with the axis of the grinding wheel.

1,735,334. ADJUSTABLE LAMP HOLDER. FREEMAN H. OWENS, New York, N. Y. Filed Apr. 26, 1927. Serial No. 186,709. 4 Claims. (Cl. 88—24.)



1. An adjustable lamp holder comprising an insulated bracket member, a pair of pin members laterally projecting from said insulated bracket member, a lamp supporting structure comprising an insulated member, a spring pressed clamp for selectively positioning said insulated member with respect to said laterally projecting pin members, said clamp having a portion thereof laterally shiftable in position with respect to said pin members, said clamp as a whole being longitudinally shiftable with respect to said pin members, and a rotatably mounted lamp socket carried by said lamp supporting structure and shiftable to selected vertical positions for facilitating the focusing of said lamp.

1,735,335. TALKING-PICTURE APPARATUS. FREEMAN H. OWENS, New York, N. Y. Filed June 13, 1927. Serial No. 198,647. 8 Claims. (Cl. 179—100.1.)



8. In a sound reproducing system film mechanism for moving a film having a sound record thereon, a pair of rotatable sprocket members, a transparent cylindrical member mounted between said sprocket members and

rotatable therewith, a pair of parallel finger members arranged to engage opposite edges of said film for pressing the film into engagement with said transparent cylindrical member, a tapered carrier disposed between said finger members, a glass slit positioned in said tapered carrier and having the edges thereof engaging the surface of said film, a light source disposed adjacent said slit for directing light rays thereon, a light sensitive cell positioned on the opposite side of said cylindrical member, and a framing member having a light aperture therein for subjecting said light sensitive cell to light rays from said source under control of the sound record on said film.

1,735,336. CONVEYER SOLDERING MACHINE. NAPOLEON FRANK PARADISE, Shanghai, China, assignor to Standard Oil Company of New York, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1926. Serial No. 149,310. 11 Claims. (Cl. 113—60.)



1. In a machine of the class described, the combination of a conveyer for containers, and a horn member adapted to engage the forward end of a container and a stationary guide plate positioned at angle to said horn member and operative to force the container to ride upwardly along the cam-like surface of the horn member until said container is turned through an angle of substantially ninety degrees.

1,735,337. RAILWAY CROSSING. JOSEPH F. RASOR, Brookville, Ohio. Filed Aug. 5, 1925. Serial No. 48,341. 11 Claims. (Cl. 246—293.)

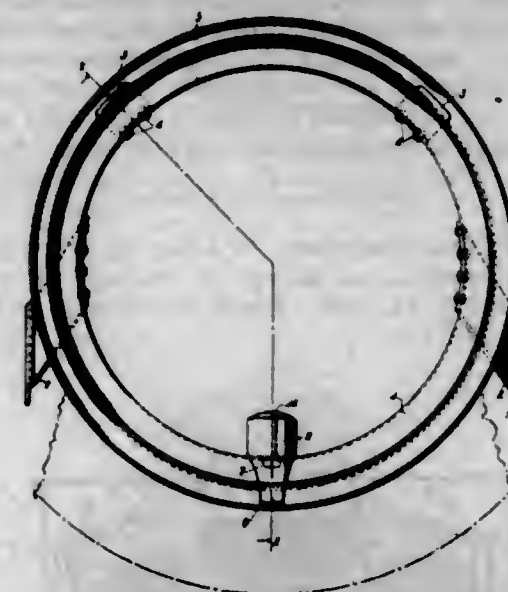


3. In a construction of the class described, a plurality of endless travelling elements to be mounted at an angle with a railway track, for movement outwardly therefrom, friction tread members carried by each of the travelling elements, a friction bar extending longitudinally of the path of movement of the travelling elements, and means rendered effective by the presence of a vehicle on the travelling elements, for moving the friction bar transversely of said path, for engaging said vehicle.

1,735,338. SPARE-RIM AND TIRE LOCKING DEVICE. FRANK T. ROOT, Indianapolis, Ind., assignor, by mesne assignments, to Detroit and Security Trust Company, a Corporation of Michigan. Filed Feb. 13, 1926. Serial No. 88,063. 5 Claims. (Cl. 70—90.)

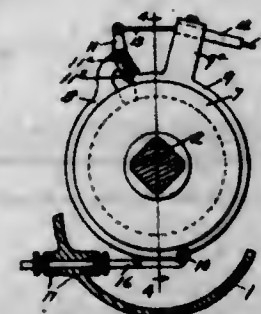
1. A rim clamp lock for spare wheels, said lock being of substantially U-shaped cross section and having spaced side walls adapted to engage a spare rim, a partition extending laterally across said clamp intermediate the ends

of said side walls providing in the clamp an open-ended pocket, a removable lock controlled closure for cooperating with the walls of said pocket to close the open end



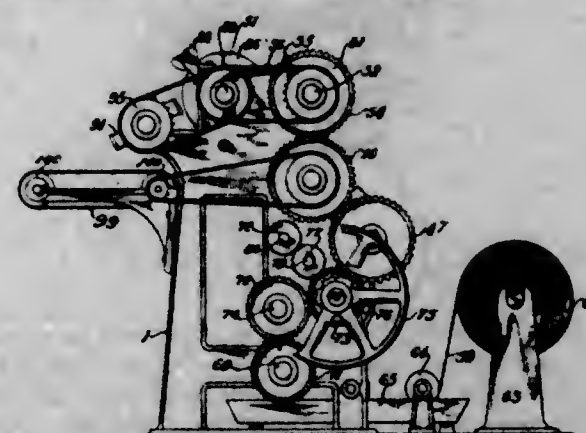
thereof, an element passing through an opening in said partition for securing said clamp in operative position and having a portion thereof located in the open-ended pocket.

1,735,339. BRAKE-OPERATING MECHANISM. CHARLES B. SCOVILLE, JR., Pasadena, Calif. Filed Feb. 4, 1924. Serial No. 690,388. 2 Claims. (Cl. 188—140.)



1. Means for operating the brake bands of a vehicle including in combination, a driven shaft, a grooved drum on said shaft, two brake shoes conforming in cross section to said groove and adapted to be compressed on to said drum to turn yieldingly therewith, manually operable means for compressing said brake shoes at will, a pull rod connected tangentially with said brake shoes, a rocker arm connected to be operated by said pull rod when said brake shoes are turned with said drum, and operating connections from said rocker arm to the brake bands of said vehicle.

1,735,340. MACHINE FOR MAKING EGG CASE FLATS. SWAN SMITH, St. Paul, Minn. Filed June 8, 1927. Serial No. 197,275. 15 Claims. (Cl. 154—30.)

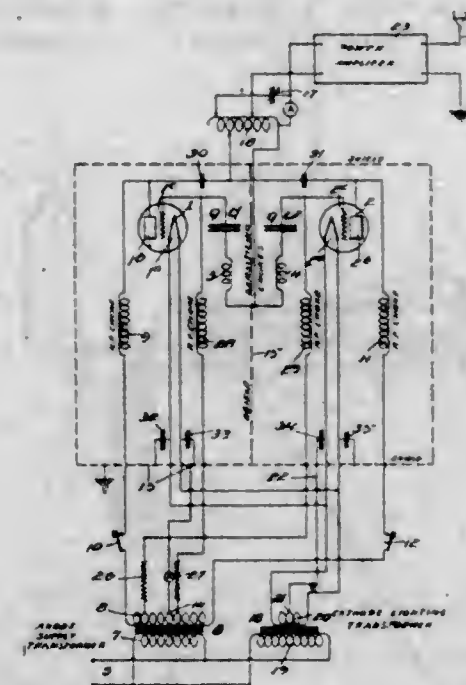


1. In a machine for making egg case flats, a roll having a corrugated surface and transverse peripheral grooves

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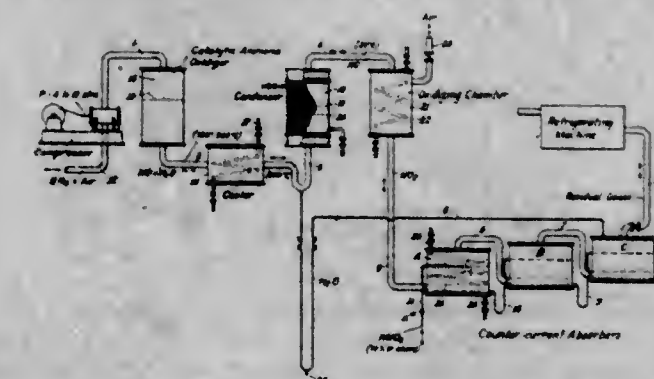
therein in spaced parallel planes, a second roll having a similar surface adapted to press against said first roll to form transverse corrugations in a web of paper fed between said rolls, and means separate from said rolls adapted to project into the peripheral grooves of said first roll to form longitudinal grooves in said paper web.

1,735,341. MULTIPLE-CHANNEL COMMUNICATION SYSTEM. ALBERT H. TAYLOR, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed May 14, 1925. Serial No. 30,252. 10 Claims. (Cl. 179—15.)



1. A multiple channel communication system comprising in combination a plurality of high frequency generators, a common energy supply system for alternately energizing said generators, a common energy utilization circuit connected with said generators, independent mechanically vibratile devices connected with each of said generators for maintaining said generators at a constant operating frequency, whereby inter-action between said generators is prevented, and means for independently controlling each of said generators for producing telegraphic signals in said common energy utilization circuit.

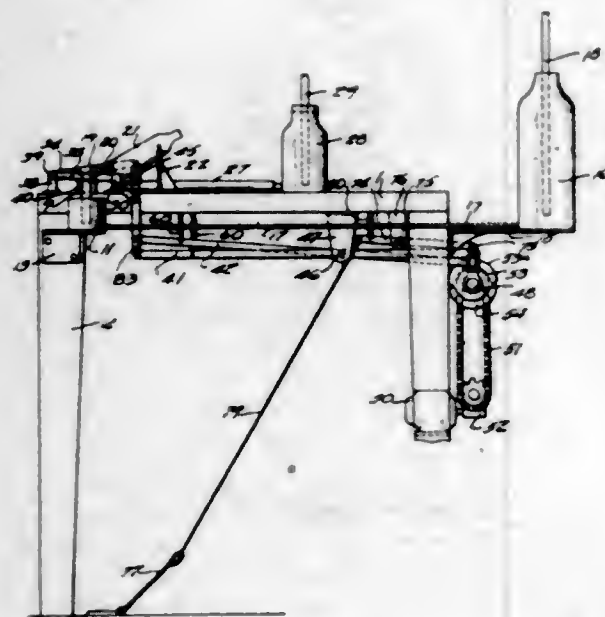
1,735,342. PROCESS AND APPARATUS FOR THE MANUFACTURE OF NITRIC ACID. GUY B. TAYLOR and FRED C. ZEISBERG, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 26, 1925. Serial No. 4,670. Renewed Jan. 26, 1929. 6 Claims. (Cl. 23—162.)



1. In the production of nitric acid by the catalytic oxidation of ammonia under pressure to produce nitric oxide and water vapor, the improvements consisting in

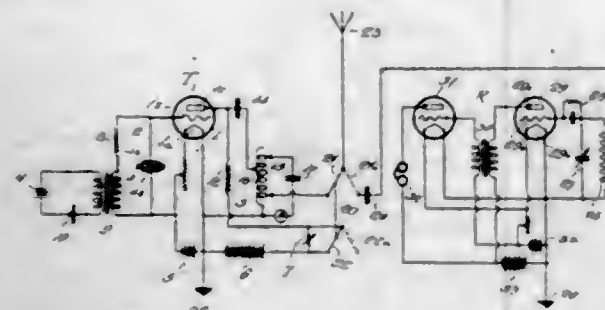
Initially cooling the hot gases from the oxidation by over 400° C. without, however, condensing water to any substantial extent, further cooling the gases to separate a considerable quantity of aqueous liquid, promoting the oxidation of nitric oxide to nitrogen peroxide, bringing the latter into contact with the said condensed aqueous liquid under pressure and in countercurrent flow in several stages, withdrawing the resulting nitric acid of over 50 percent concentration.

1,735,343. APPARATUS FOR USE IN SILVERING VACUUM BOTTLES. MINER P. WETMORE, Norwich, Conn., assignor to The American Thermos Bottle Company, Norwich, Conn., a Corporation of Ohio. Filed June 8, 1927. Serial No. 197,411. 16 Claims. (Cl. 91-12.2.)



1. In a filling machine of the class described, a fixed tubular member extending upwardly at an angle for receiving the tubular extension of a double-walled glass bottle in an airtight fit, a support cooperating with said member to hold the connected bottle in a stationary inclined position with the base projecting downward, means for connecting said tubular member with a vacuum pump, connections leading from said tubular member to a receptacle containing a suitable solution, valve mechanism for connecting said tubular member first with the vacuum pump and then with said receptacle, and means for operating said valve mechanism.

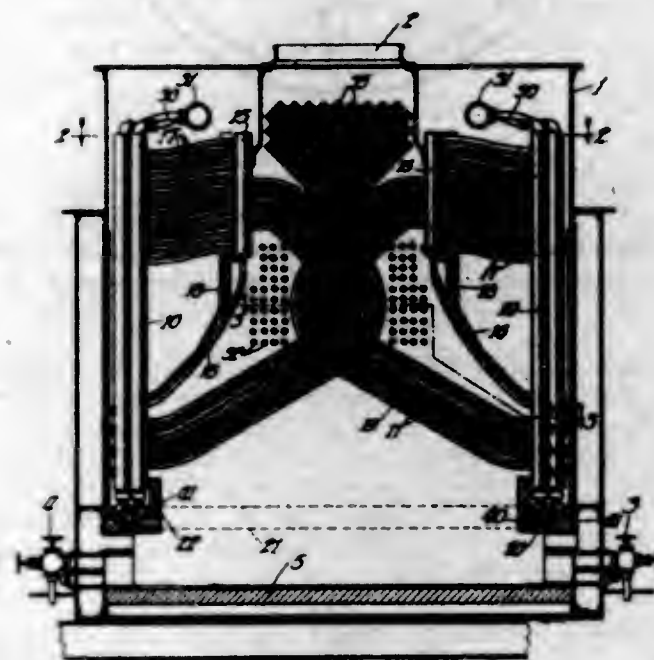
1,735,344. DUPLEX RADIO COMMUNICATION SYSTEM. EDWIN L. WHITE, Honolulu, Territory of Hawaii, assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 21, 1927. Serial No. 185,538. Renewed Feb. 11, 1929. 4 Claims. (Cl. 250-13.)



1. A transmission and receiving system comprising an antenna ground system, an electron tube oscillator, a radio receiving circuit including an electron tube detector

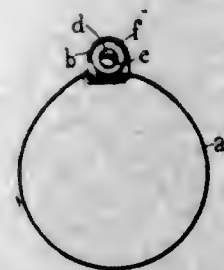
and a responsive device, switching mechanism for alternately establishing connection between said antenna ground circuit and said oscillator or with said radio receiving circuit, and means rendered effective simultaneously with the actuation of said switching mechanism for changing the amplitude of the oscillations developed by said oscillator when said oscillator is connected in circuit with said antenna ground system or when said antenna ground system is connected with said receiving circuit.

1,735,345. STEAM BOILER. WILLIAM H. WINSLOW, Chicago, Ill., assignor to George W. Dulany, Jr., Chicago, Ill. Filed Feb. 14, 1927. Serial No. 168,016. 6 Claims. (Cl. 122-281.)



1. A boiler construction of the class described comprising an upright tubular downcomer manifold, generating tubes communicating with said manifold adjacent the lower portion thereof and inclined at an angle thereto, the upper ends of said tubes being bent back upon themselves towards said manifold, and intermediate vertically disposed tubular separating manifold communicating with the upper ends of said generating tubes, and means providing communication for water and steam from said separating manifold to the upper portion of said downcomer manifold.

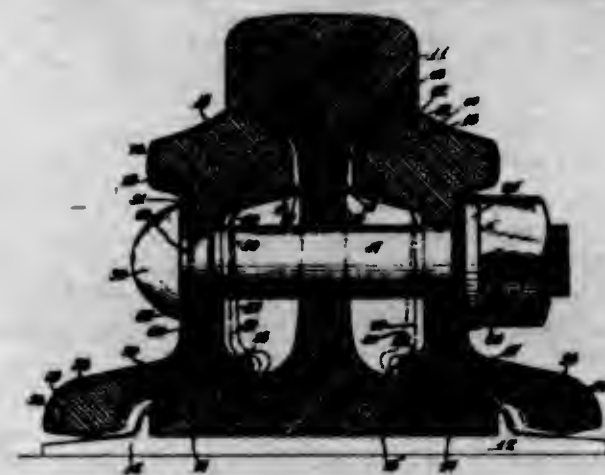
1,735,346. BAND CLIP. PERCY CHARLES ALFORD, East Cowes, Isle of Wight, England. Filed Oct. 30, 1928. Serial No. 316,032, and in Great Britain Feb. 6, 1928. 1 Claim. (Cl. 24-19.)



An improved band clip having in combination a U shaped piece made of sheet metal and the two side members of which are connected by a base which is curved to

conform to the shape of a circular article to be gripped, a slotted bolt which is passed through perforations in said side members, a thin metal band one end of which is bent nearly double around the thin base of the U shaped piece and the other end of which is passed through the slot in the bolt and a nut on said bolt substantially as set forth.

1,735,347. RAIL JOINT. EUGENE W. CARUTHERS, Secane, Pa. Filed May 9, 1928. Serial No. 276,347. 9 Claims. (Cl. 238-243.)



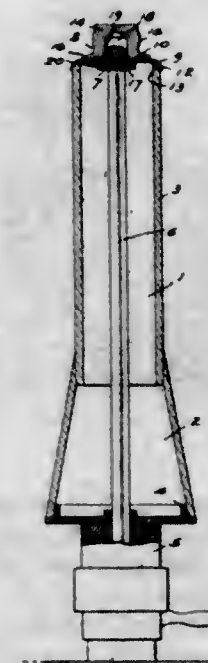
7. In a rail joint, a rail, a pair of splice bars each having the web of the splice bar nearer the inner flange extremities than the outer flange extremities of the bar permitting the use of a short bolt, a bolt therethrough and a nut for the bolt extending beyond the outer bar flange extremities for access to the nut.

1,735,348. RAIL SPLICE BAR AND RAIL JOINT. EUGENE W. CARUTHERS, Secane, Pa. Filed May 9, 1928. Serial No. 276,348. 17 Claims. (Cl. 238-243.)



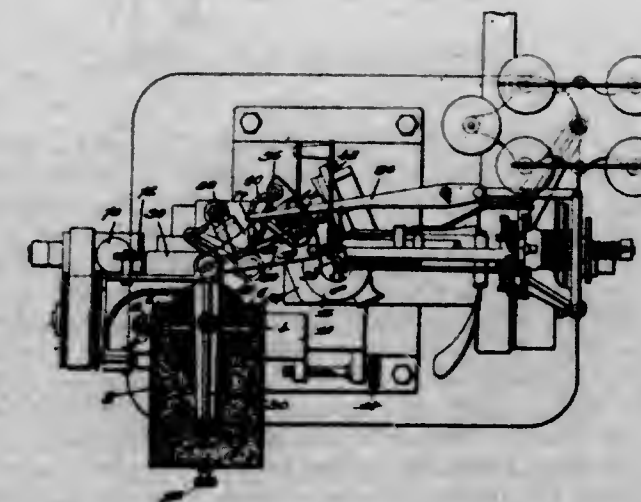
1. A rail joint comprising rails having abutting ends, and a pair of cooperating splice bars included by vertical planes that are determined by the outer edges of the rail flanges, each bar having a head engaging the rail head and a foot engaging the rail flange and the upper section modulus of the two bars considered together materially greater than the lower section modulus thereof.

1,735,349. ATTACHMENT FOR BOBBIN-WINDING MACHINES. JAMES DANIEL JOYCE, Philadelphia, Pa. Filed Nov. 1, 1928. Serial No. 316,605. 7 Claims. (Cl. 242-130.)



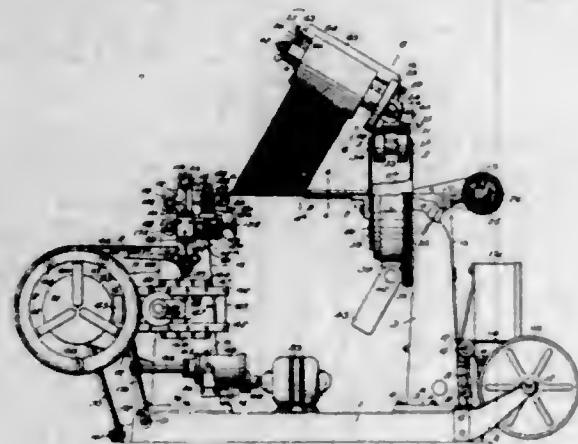
7. A retaining and centering cap for winding bobbins including a threaded knob and a bobbin engaging flange and means for rotatably securing the said bobbin engaging flange on the said knob.

1,735,350. MACHINE FOR SECURING TOGETHER TWO OR MORE PIECES OF SHEET MATERIAL. BENJAMIN F. MAYO, deceased, Salem, Mass., by Etta Mayo, executrix, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 2, 1921. Serial No. 482,199. 10 Claims. (Cl. 112-2.)



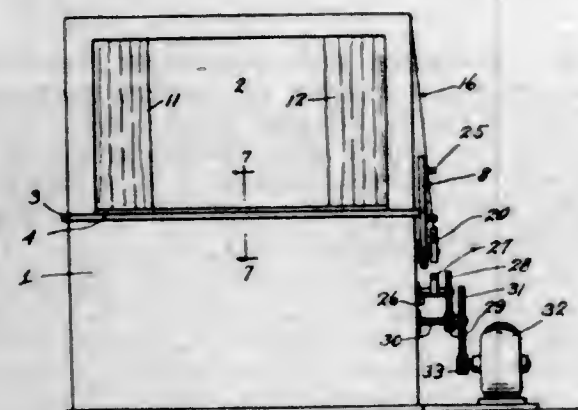
1. A machine of the class described having, in combination, a sewing mechanism and means for holding vamp and toe tip pieces in assembled relation with their edges overlapping relatively movable to present the overlapping edges to the sewing mechanism, and means for determining the line of operation of the sewing mechanism along the overlapping edges by the contour of the edge of the toe tip piece.

1,735,351. APPARATUS FOR AND PROCESS OF MAKING TIRE CASINGS. HOWARD I. MORRIS, Cleveland, Ohio, assignor to The Cord Tire Machine Company, Cleveland, Ohio, a Corporation of Arizona. Filed Oct. 5, 1923. Serial No. 666,720. 8 Claims. (Cl. 154-11.)



5. In a machine of the class described, the combination of a frame, a platen thereon, said platen comprising movable intermediate and side sections, having inclined abutting edges whereby movement of the intermediate section adjusts the spaced relationship of the side sections, and means for feeding to and associating tire materials around said platen.

1,735,352. THEATRICAL APPLIANCE. WEBSTER E. MORRISON, Lusk, Wyo. Filed Aug. 31, 1928. Serial No. 303,276. 2 Claims. (Cl. 40-33.)

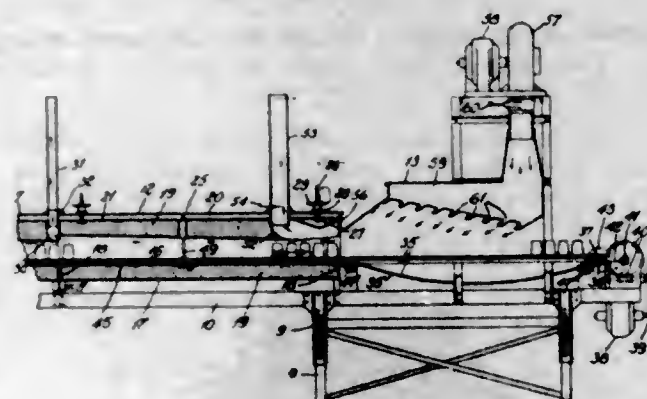


1. In a device of the class described, a cabinet provided with a window in the front thereof, a changeable exhibitor unit arranged for rotation within the cabinet, said unit including a plurality of individual scenic arrangements adapted to be successively positioned for display through the window, and means for rotating said unit, said means comprising a disc carried by the rotatable unit for disposition on the outside of the cabinet, pins extending laterally from the disc at predetermined positions, a driven shaft, and a cam carried by the driven shaft for rotation therewith adapted to successively engage said pins, a curtain for the window and means associated with the curtain for cooperation with the cam for moving said curtain to an open and closed position respectively.

1,735,353. METHOD OF AND APPARATUS FOR ANNEALING GLASSWARE. VERGIL MULHOLLAND, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Sept. 10, 1923. Serial No. 661,827. 19 Claims. (Cl. 49-47.)

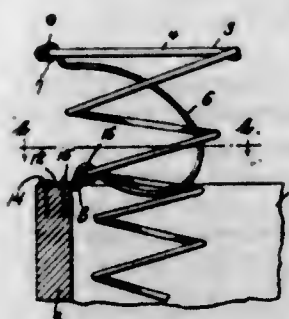
2. A lehr comprising side and bottom wall members and a top wall member forming a tunnel, at least one of said

members being divided longitudinally of the tunnel into a plurality of portions, means for moving the ware through the tunnel, a plurality of stacks arranged at intervals longitudinally of the tunnel, each associated with one of said portions for controlling the temperatures in the tunnel longitudinally thereof, and means to permit independent



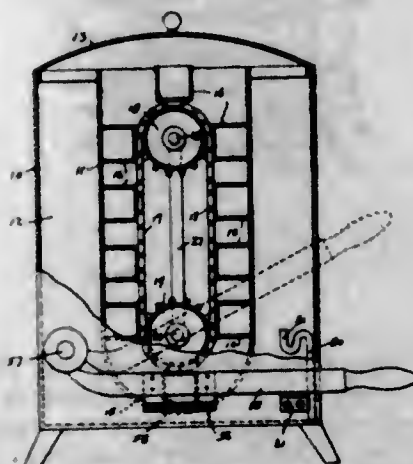
adjustment of said portions to vary the cross-sectional areas of the tunnel throughout selected zones, whereby to selectively control the amount of gases passing out the several stacks and consequently to selectively control the rate of cooling of the ware throughout selected portions of the tunnel.

1,735,354. SPRING TIE. WILLIAM E. NATTRESS and CARSON D. STOUT, Statesville, N. C. Filed Sept. 2, 1927. Serial No. 217,278. 2 Claims. (Cl. 5-262.)



1. In combination with an edge wire and a coil spring a tie having looped extremities one of which engages said wire, a clip for securing the looped extremity to the edge wire, a fastener associated with the remaining looped end of the tie, said tie having a yieldable connection with a portion of said spring.

1,735,355. FOOD-DISPENSING DEVICE. JAMES L. NEEL, Perry, N. Y. Filed Apr. 14, 1923. Serial No. 270,077. 5 Claims. (Cl. 31-20.)



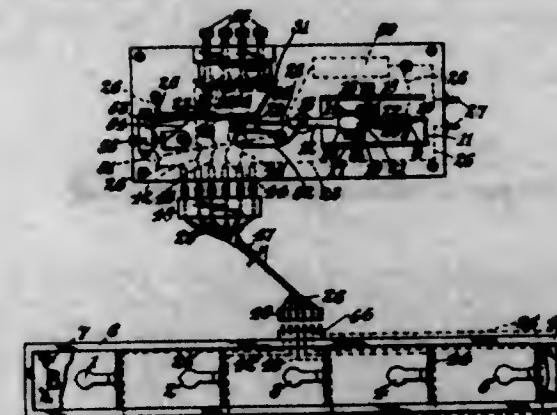
5. A food dispensing machine comprising a casing, interspaced shafts mounted for rotation within the casing,

sprocket wheels carried by the shafts, chains connecting the sprocket wheels, a plurality of food containers carried by the sprocket chains and movable within the casing, means for causing a predetermined amount of movement of the sprocket chains, a feed shaft carried by the casing, the front of the casing being formed with a dispensing opening, a slicing knife mounted in the forward end of the feed shaft and operating in front of the opening, a feed lever mounted on the rear end of the shaft, and feeding mechanism connected with the feed lever and arranged in registering position with the container which is in front of the opening.

1,735,356. METHOD OF COMMUNUTING GELATINE. ANDREW NEFF, Pittsburgh, Pa., assignor to Charles B. Knox Gelatine Company, Incorporated, a Corporation of New York. Filed Apr. 1, 1927. Serial No. 180,350. 1 Claim. (Cl. 99-5.)

The method herein described of comminuting gelatine which consists in spray drying a solution of the gelatine and grinding the spray-dried article.

1,735,357. CONTROL MEANS FOR MULTIPLE-WAY ELECTRIC-CIRCUIT DEVICES. REGINALD ERIC OLLENSHAW, London, England. Filed Nov. 15, 1926. Serial No. 148,409, and in Great Britain Apr. 15, 1926. 3 Claims. (Cl. 200-122.)



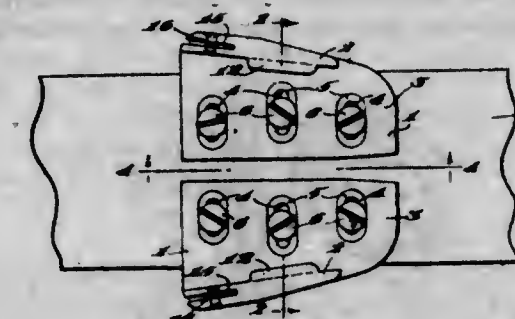
2. Circuit controlling apparatus comprising a base, a thermal responsive element, means for securing one end of the thermal responsive element to the base with the other end free, a heater surrounding a portion of the element, a plurality of stationary contact members having different effective spacings, a cooperating movable contact member carried by the free end of the element for progressively engaging the stationary contact members as said element is heated, and a lost motion switch actuated by said element in timed relation to the engagement of the moving contact member with certain of the stationary contact members.

1,735,358. MOP CONSTRUCTION. JACOB HENRY POSTEL, San Mateo, Calif. Filed Sept. 24, 1928. Serial No. 307,922. 2 Claims. (Cl. 15-228.)



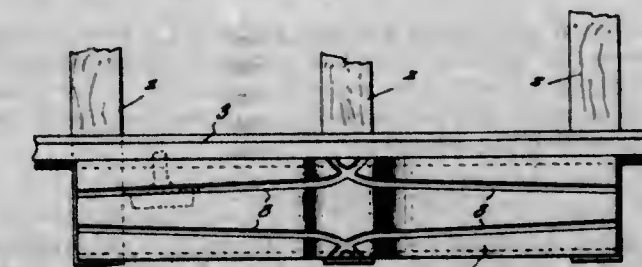
1. A mop head including a casing, a series of mop strand carrying sections positioned within the casing, said sections and casing having registering openings, mop strands positioned on the sections, nails extending from the upper surfaces of the sections and arranged adjacent to the openings to hold the mop strands separated adjacent to the openings, a handle securing member extending through the openings to secure the sections in the casing.

1,735,359. TOE-PIECE FOR SKIS. CHARLES A. PROCTOR, Hanover, N. H. Filed July 23, 1927. Serial No. 207,894. 4 Claims. (Cl. 208-184.)



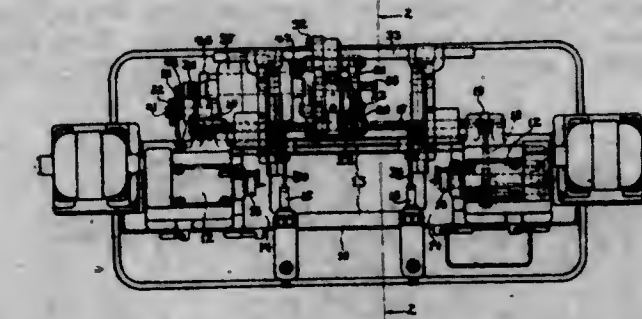
1. A toe piece for skis and the like, comprising a bed plate and an integral side plate, a slot within the side plate disposed in a plane generally parallel to the plane of that plate, and a pin in said slot to engage a hook upon the end of a heel strap, whereby the hook is guarded against catching upon foreign objects.

1,735,360. CAR REPLACER. LEE B. SEE, Cumberland, Md. Filed May 2, 1928. Serial No. 274,562. 7 Claims. (Cl. 104-265.)



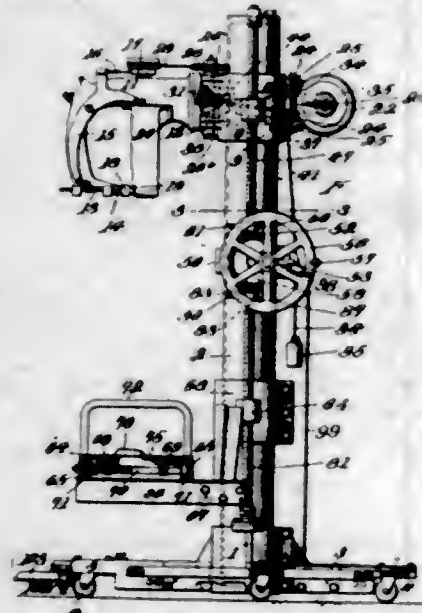
1. A car replacer comprising an elongated body increased in thickness from its ends towards its intermediate portion and having its intermediate portion of an even thickness to provide the upper surface of the body with a flat intermediate portion and sloping end portions, the said upper surface of the body having longitudinally extending grooves formed therein gradually sloping towards the sides of the body from its ends and having their inner end portions curved outwardly across the flat intermediate portion of the upper surface of the body in crossed relation to each other and opening through a side edge face of the body.

1,735,361. AUTOMATICALLY-OPERATED CENTERING MACHINE. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 23, 1927. Serial No. 193,512. 2 Claims. (Cl. 77-18.)



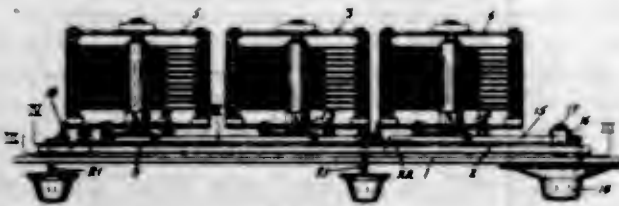
1. A centering machine comprising in combination, a base, oppositely disposed heads on said base having axially movable rotatable spindles therein, blank centering means on said base, a lever to axially move said spindles, a lever to actuate said blank centering means, a main control cam to operate said levers in timed relation to each other, series of semi-circumferential grooves on the periphery of said cam, and driving members rotating at different speeds adapted to engage said series of grooves on the cam, whereby said cam will be rotated at different speeds during portions of each rotation.

1,735,362. FILLED-BAG-CLOSING MACHINE. CHARLES S. THOMPSON, Park Ridge, and WILLIAM B. LONG, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 16, 1922. Serial No. 561,523. 26 Claims. (Cl. 112-11.)



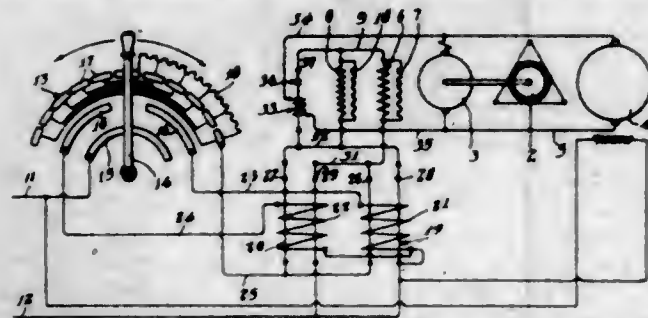
1. A filled bag closing machine including a sewing head, a support for the filled bag, and means for simultaneously adjusting said head and support vertically toward and from each other and for adjusting said head vertically independently of the support.

1,735,363. MASTER CONTROL. CHARLES J. VICTOREEN, Cleveland Heights, Ohio. Filed June 3, 1926. Serial No. 113,413. 7 Claims. (Cl. 175-41.5.)



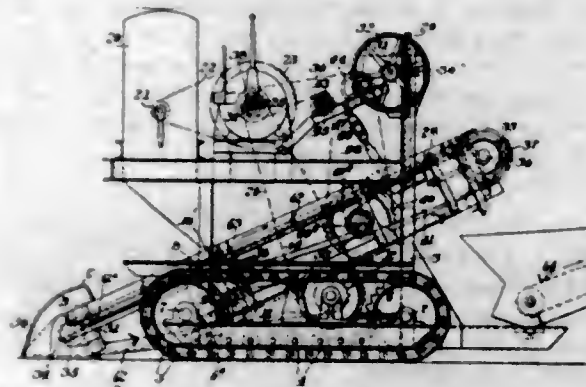
1. A control for a plurality of devices, each having two relatively rotatably adjustable parts, comprising means for rotating one part of each device simultaneously, and means for translating the other part of one of the devices independently of the others, to cause rotation of the first mentioned part relative thereto.

1,735,364. VARIABLE-VOLTAGE SYSTEM OF SPEED CONTROL FOR MOTORS. CRANFORD P. WALKER, Los Angeles, Calif., assignor to Llewellyn Iron Works, Los Angeles, Calif., a Corporation of California. Filed May 24, 1927. Serial No. 193,823. 6 Claims. (Cl. 172-239.)



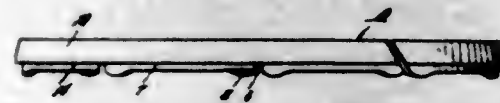
1. In a variable voltage system of speed control for motors, a generator having a main field, a reactor in series with said field, said reactor having a magnetic circuit which retards the rate that the current flowing through the generator field builds up when a voltage is first applied across the combined reactor and generator field and become saturated before the generator field reaches its normal excitation, and a motor connected to said generator.

1,735,365. MATERIAL-HANDLING APPARATUS. HENRY B. WALKER, Marion, Ohio, assignor to The Fairfield Engineering Company, Marion, Ohio, a Corporation of Ohio. Filed Jan. 29, 1927. Serial No. 162,268. 11 Claims. (Cl. 198-7.)



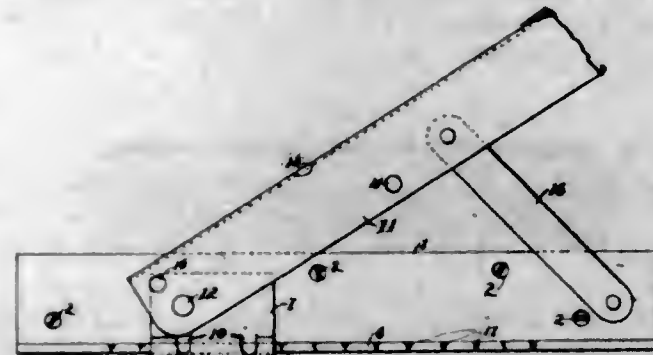
1. Material handling apparatus comprising a conveyor, a scoop mounted at one end of the conveyor and having a vertically-projecting portion extending obliquely rearward to direct material deposited thereon to the conveyor, means for advancing the scoop against a body of material, and means for oscillating said scoop to loosen the material to be handled.

1,735,366. PISTON RING. OSBORNE WALDEN, Easton, Pa., assignor of one-half to William E. Matthews, Washington, N. J. Filed Apr. 29, 1929. Serial No. 359,086. 5 Claims. (Cl. 74-109.)



1. A piston ring provided on its outer periphery with a relatively narrow bearing surface, that portion of the outer periphery of the ring below the bearing surface being cut away to provide a relatively sharp wiping edge, which wiping edge is positioned above the plane of the lower edge of the ring whereby the said lower edge of the ring and underent provides an annular oil receiving groove, a series of slots extending through the ring between the outer and inner surfaces thereof, and each of said slots at one end terminating in a laterally disposed slot extending from the first mentioned slot to the lower edge of said ring, said ring being provided on its bottom surface with a plurality of circumferentially spaced protuberances, there being one protuberance disposed adjacent each of said laterally disposed slots.

1,735,367. CASEMENT-WINDOW SUPPORT. VINCENT J. WHITNEY, San Francisco, Calif. Filed July 22, 1926. Serial No. 124,278. 1 Claim. (Cl. 16-179.)



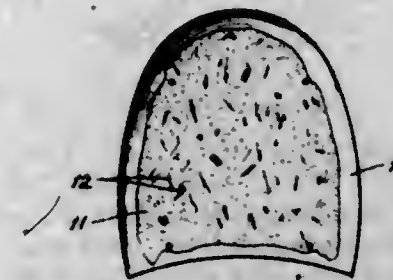
A window support including a track having a base having one side thereof disposed at an angle and having the free edge of said side extended inwardly and lying parallel to the base and having upwardly struck indentations formed therein, a shoe having a flange on one side

thereof engaging the base between the sides of the latter and having a flange on its opposite side engaged over said angular side of the base and the inwardly extended free edge thereof, a tongue struck inwardly from the top of the shoe with its free end positioned under the free edge of the base to engage the indentations therein, a substantially L-shaped plate formed to be secured to a window sash and having one side pivoted to the top of the shoe and having one side pivoted to the top of the shoe and having its opposite side extending over said flange of the shoe and engageable with the base of the track, and an arm pivoted to the plate and to the track.

1,735,368. LUBRICANT. JAMES C. WILLIAMS, Denver, Colo. Filed Aug. 31, 1926. Serial No. 132,672. 1 Claim. (Cl. 87-9.)

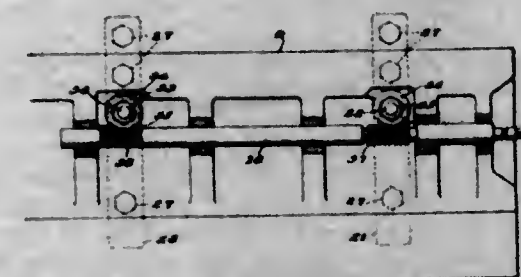
A lubricant composition consisting of paraffin 37 parts, beeswax 20 parts, rosin 1 part, castor oil 2 parts, and graphite 40 parts.

1,735,369. COMPOSITE-RUBBER HEEL. GLENN H. WILLIS, Akron, Ohio, assignor to John L. Snyder, Akron, Ohio. Filed July 5, 1928. Serial No. 280,309. 3 Claims. (Cl. 36-35.)



1. A composite, vulcanized rubber shoe tread which is flexible and resilient throughout, said tread comprising a rubber cushion wearing body, and an attaching layer of leathery firmness integrally vulcanized to said cushion body and formed of rubber intermixed with grain hulls, said layer being adapted to retain nail heads and resist the lateral spreading tendency of the cushion body.

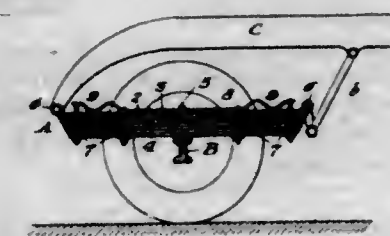
1,735,370. RAIL CLAMP FOR SHAPING MACHINES. WILLIAM F. ZIMMERMAN, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a Corporation of New Jersey. Filed Jan. 13, 1925. Serial No. 2,133. 3 Claims. (Cl. 90-37.)



1. In a shaper, in combination, a frame; a cross rail movable vertically on the frame; a work carrying table movable along said cross rail; mechanism for moving said table along said cross rail; a tool carrying ram movable on said frame; mechanism for reciprocating said ram across said table; a plurality of connected and equalized clamping devices at opposite sides of said frame for securing the rail to the frame, each of said clamps comprising a strap engaging the face of said frame remote from the rail; a bolt connected with each of said straps

and extending through a slot in said frame and through a portion of said rail and a clamping nut threaded on the extended portions of each of said bolts; a clamp-actuating shaft rotatably and translatable journaled in said rail; worm-gearing comprising a worm fixed to said shaft and a cooperating worm-gear fixed to one of said nuts for actuating one of said clamps; rack and pinion gearing comprising a rack on said shaft and a cooperating pinion integral with the other of said nuts for actuating the other of said clamps; and means to rotate said shaft.

1,735,371. SPRING. JOSEPH F. BERNHARDT, Du Bois, Pa., assignor to Triangle Automobile Spring Company, Du Bois, Pa., a Corporation of Pennsylvania. Filed Jan. 5, 1928. Serial No. 244,624. 2 Claims. (Cl. 267-36.)



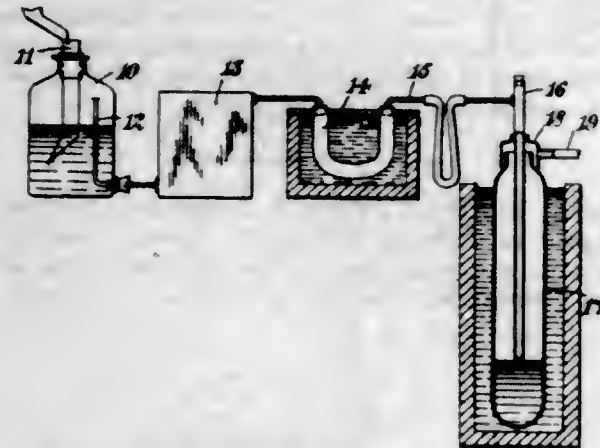
1. The combination with a main spring formed of a plurality of superposed leaves adapted to be connected to a vehicle, of an auxiliary spring having a fixed inner portion, a bowed portion, said fixed inner portion and bowed portion being in engagement with the upper face of the uppermost leaf near an end thereof, and a movable end portion spaced from said uppermost leaf, and means connecting said main spring and said movable end portion of said auxiliary spring whereby downward deflection of said end of the main spring increases the pressure of said auxiliary spring to increase the friction between said superposed leaves.

1,735,372. TIRE-DISPLAY HOLDER. WILLIAM I. BLOCK, Chicago, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 11, 1928. Serial No. 277,049. 8 Claims. (Cl. 211-24.)



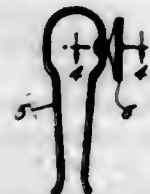
1. In a tire display-holder, in combination, a sheet metal display panel and a pair of opposed wire holders detachably assembled to said panel, each of said holders comprising two wire members bent around each other and forming a pivot and a bearing therefor, whereby said wire members are pivotally connected together.

1,735,373. PRODUCTION OF FLAME OR SMOKE FOR SIGNALING. CYRIL WILFRED BONNIKEN and SYDNEY BARRATT, London, England. Filed Nov. 22, 1926, Serial No. 150,945, and in Great Britain Nov. 30, 1925. 8 Claims. (Cl. 116-26.)



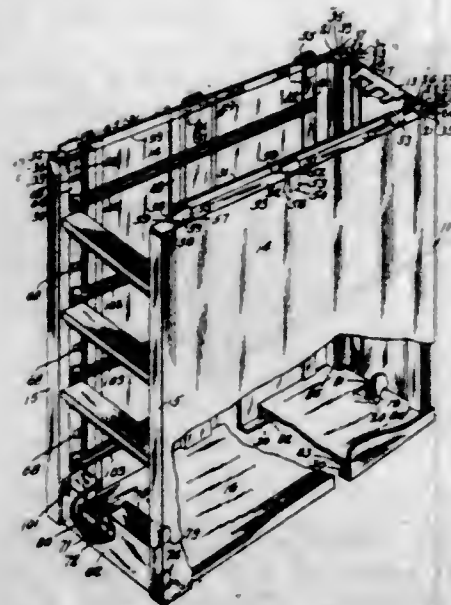
1. A method of producing flame and smoke consisting in releasing phosphine from storage in the liquid state with an activating agent diffused in the phosphine when released so as to be carried therewith into the atmosphere and to ensure combustion.

1,735,374. POCKETBOOK HOLDER. LEO P. BOUCHER, Bristol, Conn. Filed May 14, 1929. Serial No. 362,981. 1 Claim. (Cl. 24-3.)



A pocketbook holder of the character described comprising a substantially inverted U-shaped metallic clasp having an enlarged upper connecting portion, a button having a conical base and a centrally disposed extension for engagement with the enlarged end of the clasp and on one side thereof, and a securing element connecting the button and the clasp together.

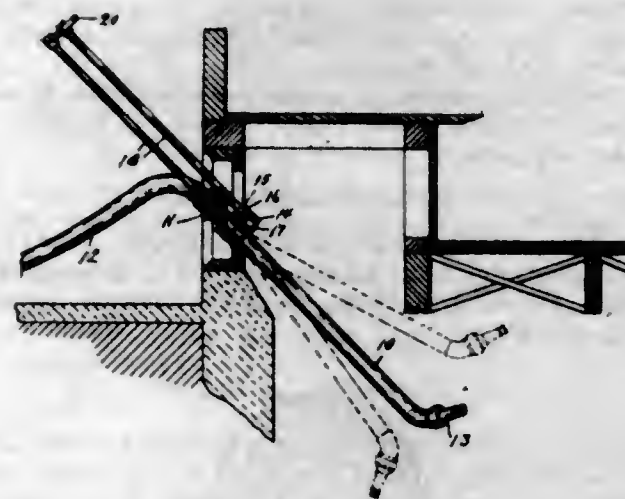
1,735,375. FILING CABINET. EARL JAMES CARD and VICTOR ADOLPH GROSSBERG, Jamestown, N. Y., assignors to Jamestown Metal Equipment Co., Inc., Jamestown, N. Y., a Corporation of New York. Filed Feb. 27, 1926. Serial No. 91,177. 10 Claims. (Cl. 45-2.)



5. In a filing cabinet comprising a plurality of assembled elements, a pair of side walls each having at their

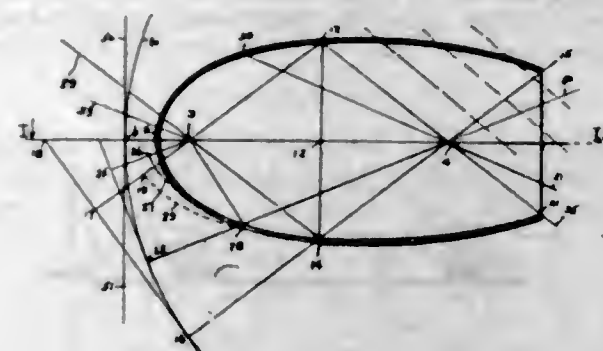
lower edge a flange at right angles thereto, a plurality of strips secured to the inner faces of said walls, each strip terminating a fixed distance above said flange, whereby said flange and the ends of said strips define a horizontally extending pocket, and a bottom, the side edges of which are confined in said pockets when the cabinet elements are assembled.

1,735,376. FIRE-FIGHTING APPLIANCE. DENNIS E. CAREY, Lawrence, Mass. Filed Apr. 11, 1927. Serial No. 182,566. 13 Claims. (Cl. 290-112.)



1. A fire fighting appliance comprising a play pipe having a hose coupling at one end and a nozzle at the opposite end, a bracket fixed on the pipe adjacent said coupling, a pair of rods slidably mounted in said bracket in parallelism with said pipe, a handle connecting the ends of said rods at the opposite side of said bracket from said nozzle and means for locking said rods to the pipe in positions coextensive with the pipe and in positions in which they extend beyond said coupling.

1,735,377. REFLECTING SURFACE. MARTHA W. CAUGHLAN, Oakland, Calif. Filed Oct. 19, 1927. Serial No. 227,128. 6 Claims. (Cl. 240-41.)



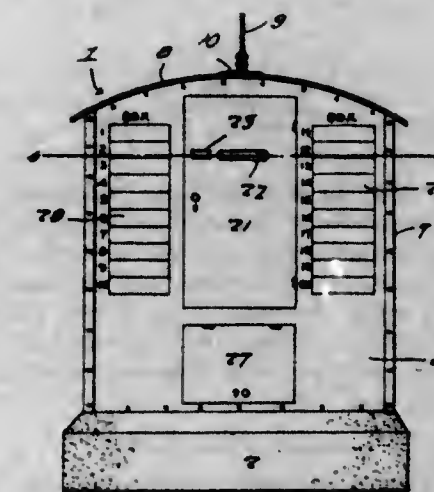
1. A compound reflecting surface having a common focus for all reflecting elements thereon at which focus a source of light is located, the said surface below a horizontal plane through said focus consisting of two rear parts symmetrical about a longitudinal vertical plane through said focus, the portion of each of said parts adjacent to said focus formed of elements from the surfaces of successive increasing paraboloids having the said common focus and whose axes all lie in said horizontal plane and also consisting of two forward parts symmetrical about said vertical plane and each comprising a surface portion from the greatest of said paraboloids.

1,735,378. SOUND PROJECTOR. WILLIAM ERNEST CLIFTON, London, England, assignor, by mesne assignments, to Clifftone & Records Limited, London, England, a British Company. Filed Nov. 3, 1927. Serial No. 230,806, and in Great Britain Apr. 30, 1927. 4 Claims. (Cl. 181-27.)



1. A sound-projector of the kind described comprising in combination a plurality of tubes arranged one within the other with the outlet of one tube directed towards a closed end of the next tube in succession, an end closure member for said closed end capable of vibrating under the influence of sound waves directed upon it and constituting one wall of a closed chamber, and a closed chamber which has its other walls relatively stiff and non-vibratory and which is mechanically secured to the wall of the tube.

1,735,379. MAIL BOX. ARTHUR ALFRED CONTENT, Yakima, Wash. Filed Feb. 7, 1928. Serial No. 252,515. 3 Claims. (Cl. 232-24.)

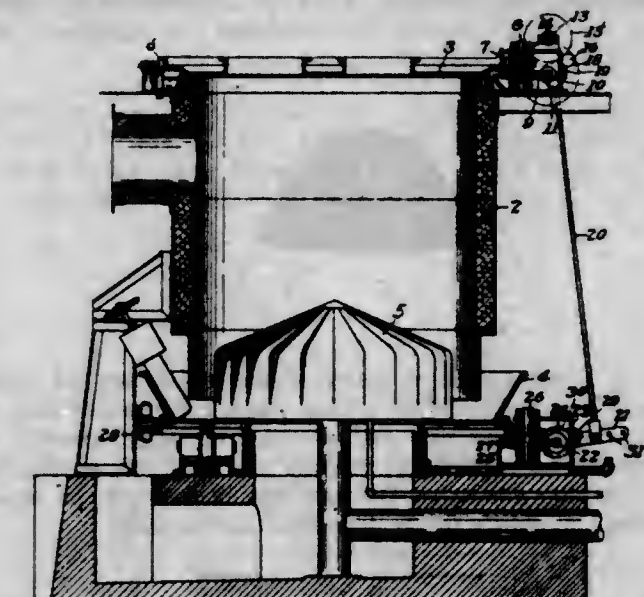


1. In a mail box, a casing including a central mail collection compartment, mail distributing compartments on each side of the central collection compartment, one end of the collection compartment being open, a door for the opening, a key controlled lock for the door, the outer ends of the distributing compartments being open, doors therefor, a key controlled lock for each of the last mentioned doors, the inner ends of the distributing compartments being formed with openings for communication with the central mail collection compartment.

1,735,380. GAS PRODUCER. REINHARDT DAAR, Youngstown, Ohio. Filed May 24, 1924. Serial No. 715,588. 2 Claims. (Cl. 48-66.)

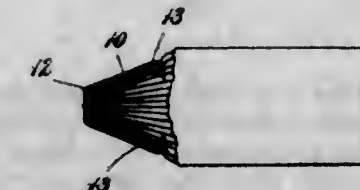
1. The combination with a gas producer body, of a cover therefor having a circumferentially extending gear, an ashpan for the producer body having a circumferentially extending gear, a unit driving mechanism for said cover located substantially in the plane thereof, a unit driving mechanism for said ashpan located substantially in the plane thereof,

said driving mechanisms each comprising a reservoir for lubricating fluid, and an operative connection between said



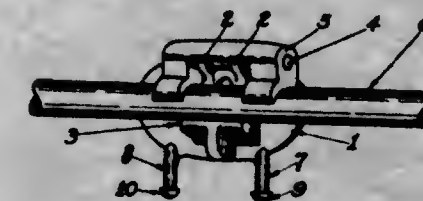
unit mechanisms, said unit mechanisms being bodily removable from driving relationship with said cover and said ashpan at will.

1,735,381. CONDENSER. TOBE C. DEUTSCHMANN, Boston, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass., a Corporation of Delaware. Filed June 12, 1926. Serial No. 115,503. 1 Claim. (Cl. 175-41.)



A condenser comprising a stack of alternating layers of conducting and non-conducting sheet material, the layers of conducting sheet material being longer than the other layers and consisting of two sets whereof the layers of each set alternate with and are relatively off-set with respect to the layers of the other set and with respect to the layers of non-conducting material so as to extend beyond all of said other layers at one end of the stack, and said projecting ends being compacted into a bunch, and a sheet metal clip embracing and gripping said bunch comprising a middle portion disposed opposite the end of the bunch and two flat jaws clamped flatwise against opposite sides of the latter, said jaws being provided at their free ends with parallel inwardly bent serrated edge portions providing two opposed parallel rows of laterally projecting teeth that are embedded in opposite sides of said bunch.

1,735,382. COMBINATION HEAD ROD AND PULLEY FIXTURE FOR AWNINGS. HARRY ETKINS, New York, N. Y. Filed Apr. 18, 1928. Serial No. 270,450. 1 Claim. (Cl. 150-15.)



In a combination head rod and pulleys fixture for awnings, comprising a bracket casting for supporting a head rod, one or more downwardly extending arms having an enlargement at their lower ends, said arms being cast integral with the bracket, and one or more pulley blocks cast directly upon the enlarged ends of the arm or arms and form an integral awning head rod and pulleys combination fixture in which the pulley blocks are inseparable from and in swivelling junction with the head rod holder bracket substantially as described.

- 1,735,383. BOX-TOE BLANK. JOSEPH C. FRAGLEY, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a Corporation of Pennsylvania. Filed Feb. 4, 1927. Serial No. 165,846. 4 Claims. (Cl. 36-77.)



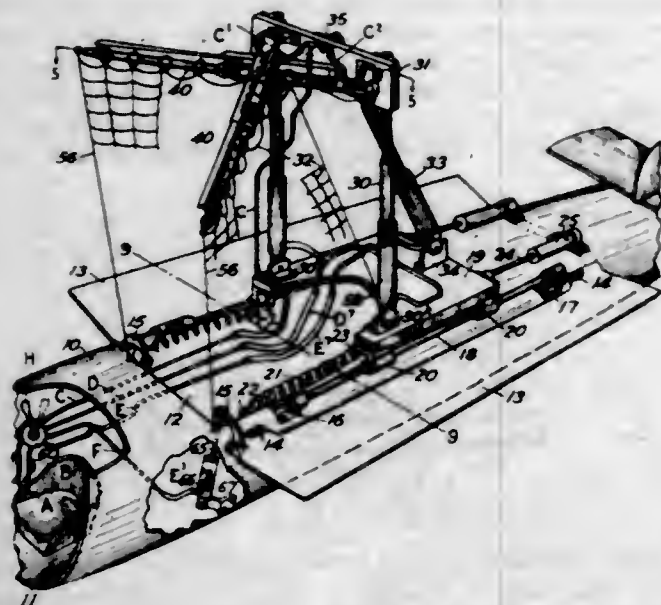
1. As a new article of manufacture, a soft box toe blank made of extensible fabric whose warp threads per unit of width are capable of substantially the same amount of stretch as are the filler threads per unit of width, the fabric having a coating thereon, the threads of the fabric running diagonally to the box toe.

- 1,735,384. BRACELET CHAIN. JOHN FIELDING, North Providence, R. I., assignor of one-half to Joseph P. Whitaker, Apopka, R. I. Filed Mar. 2, 1927. Serial No. 171,986. 3 Claims. (Cl. 63-4.)



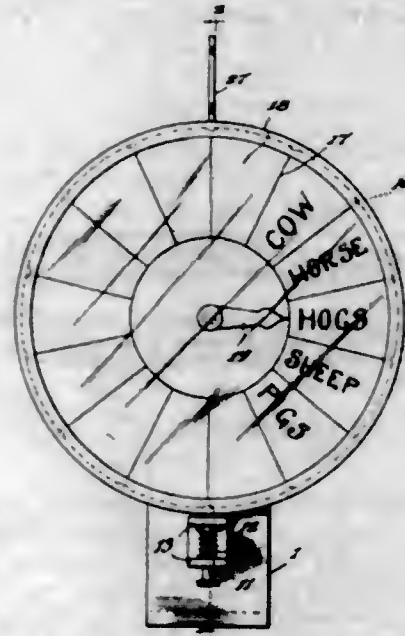
2. A bracelet chain of a series of hinged together links, each link comprising a back plate having cup-shaped recesses with a pierced bottom wall, a front plate of relatively softer material having rivet pins extending through said bottom wall into said recesses and headed over or enlarged therein whereby to connect the plates together without said pins extending beyond the bottom surface of the back plate.

- 1,735,385. AERIAL-MAIL CATCHER. ROY FISHER, Los Angeles, Calif. Filed June 13, 1928. Serial No. 285,108. 19 Claims. (Cl. 258-1.)



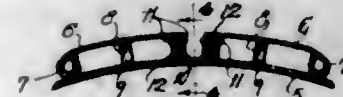
1. In apparatus of the character described, the combination with the fuselage of an aeroplane; of a plurality of extensible standards supported on said fuselage in spaced relation to each other for vertical extension thereabove, a cross-piece connecting the upper portions of said standards, and a catching device mounted on said cross-piece.

- 1,735,386. CHANGEABLE SIGN. HERMAN FORTKAMP, Chickasaw, Ohio. Filed Apr. 25, 1929. Serial No. 358,062. 3 Claims. (Cl. 116-131.)



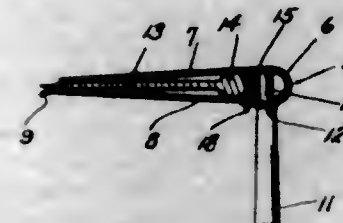
1. In a sign, the combination with a bracket having a bolt fixed thereto, of a pointer fixed to the bolt, a dial rotatably supported by the bolt and having indicia thereon for cooperation with the pointer, said dial having a marginal flange provided with notches, a spring pressed pin carried by the bracket for selective engagement with the notches.

- 1,735,387. COLLAR CLASP. IRVING GNATOWSKY, Brooklyn, N. Y. Filed June 7, 1929. Serial No. 369,123. 1 Claim. (Cl. 24-81.)



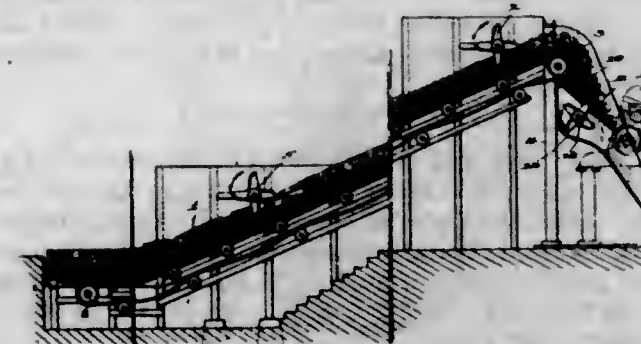
In a collar clasp of the character described, a backing member, a pair of levers pivoted intermediate their ends to the backing member adjacent its opposite end and extending longitudinally therewith and in spaced relation thereto, heads upon the outer ends of the levers, an expansible coil spring between the inner end of each lever and the backing member, and a spring retaining housing associated with each lever.

- 1,735,388. SAFETY RAZOR. JOSEPH HARRIS, New York, N. Y. Filed Sept. 25, 1928. Serial No. 308,256. 1 Claim. (Cl. 30-12.)



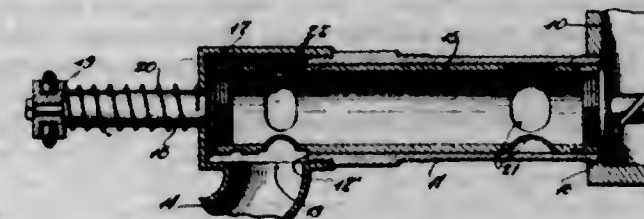
A safety razor comprising a blade having a reinforcing bead on its rear edge, a holder for the blade formed from a single sheet of metal and of substantially U-shaped cross section including spaced upper and lower plates and a connecting bight portion, the plates converging toward the forward edges for engaging in the opposite faces of the blade adjacent to the front edge thereof, said plates also receiving and engaging said rib, a follower block between said plates receiving the rib having depending guide pins, one of said plates having guide slots for receiving said pin, and lock nuts threaded on said pins for engaging the mentioned plate.

- 1,735,389. CANE SHREDDING AND FEEDING MECHANISM. WILLIAM G. HALL, Manila, P. I. Filed Apr. 20, 1928. Serial No. 271,611. 3 Claims. (Cl. 146-119.)



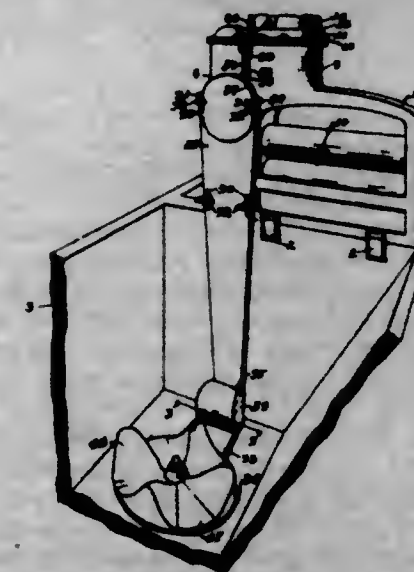
1. A cane shredding and feeding mechanism comprising a conveyor, rotary shredding knives mounted above the conveyor and operating downwardly into the cane on the latter, a chute receiving the cane from the conveyor, and rotary shredding knives mounted below the chute and operating through the bottom of the latter and upwardly into the cane.

- 1,735,390. MEASURING VALVE. HARRY M. HENDERSON, Washington, D. C. Original application filed Oct. 28, 1926. Serial No. 144,867. Divided and this application filed Nov. 23, 1927. Serial No. 235,232. 1 Claim. (Cl. 221-104.)



A liquid dispensing container having a valve casing projecting therefrom, a measuring valve slidable in said casing and having an end adapted to be projected into the container, said valve having openings in its sides adjacent each end, and circumferential beveled flanges on the opposite ends of the valve, one of said flanges normally engaging in closing relation to the inner end of the casing with the adjacent openings within the casing, the other flange being normally out of engagement with the other end of the casing with the adjacent openings disposed beyond said casing end, and means for yieldably holding the valve in such position.

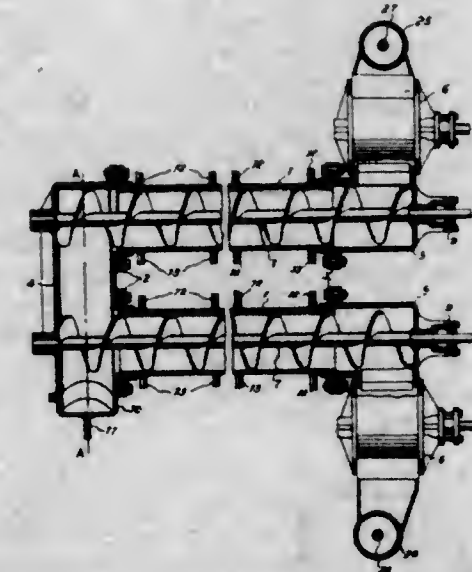
- 1,735,391. CLOTHES-WASHING MACHINE. CHARLES C. HUBBERT, San Jose, Calif. Filed Mar. 8, 1928. Serial No. 260,122. 12 Claims. (Cl. 259-101.)



1. In a washing machine, the combination of a frame and means for mounting the same on a laundry tray, an

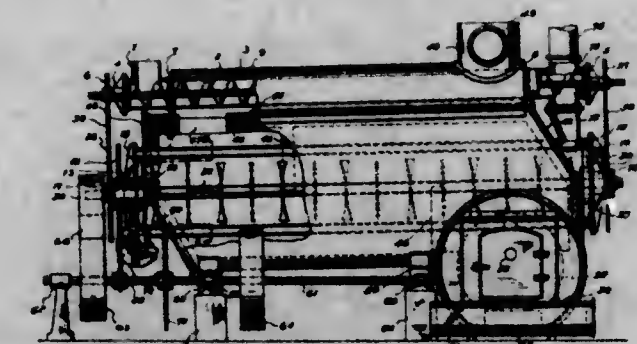
arm extending from the frame to the central portion of the bottom of the tray, an impeller mounted upon the arm, and operating mechanism for the impeller carried by the arm.

- 1,735,392. APPARATUS FOR COOKING MATERIALS. STANLEY HILLER, San Jose, Calif., assignor to Stanley Hiller, Inc., San Francisco, Calif. Filed Aug. 6, 1923. Serial No. 656,095. 4 Claims. (Cl. 87-13.)



1. In combination a hollow body in which a pressure may be maintained, a feed valve having a plurality of material receiving compartments and adapted to pass materials continuously into said body without substantially varying the degree of pressure maintained therein except for pressure losses due to gases discharged through said valve compartments; an inclosed conveyor for carrying uncooked materials to said feed valve; a discharge valve having a plurality of material receiving compartments and adapted to continuously withdraw materials from said body without substantially varying the degree of pressure maintained therein except for pressure losses due to gases discharged through said valve compartments; means for continuously conveying materials through said body from said feed valve to said discharge valve; and an inclosed conveyor for carrying said materials away from said discharge valve.

- 1,735,393. APPARATUS FOR TREATING MATERIALS. STANLEY HILLER, San Jose, Calif., assignor to Stanley Hiller, Inc., Oakland, Calif., a Corporation of California. Filed Aug. 9, 1924. Serial No. 731,146. 7 Claims. (Cl. 87-13.)

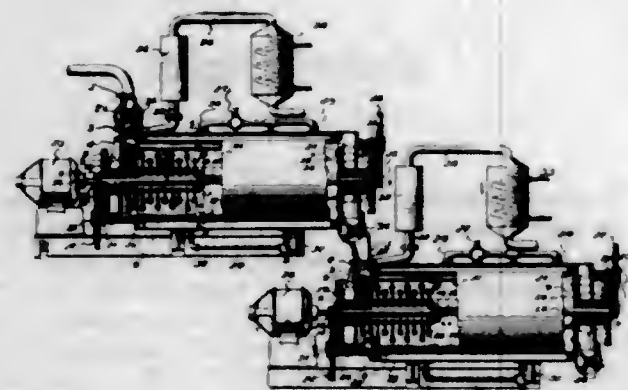


1. In combination, a cylinder; means for continuously feeding materials to said cylinder at a predetermined rate, a plurality of relatively low speed rotary lifters in said cylinder; a plurality of rigid rotary high speed beaters

in said cylinder; discharge means for continuously withdrawing material from said cylinder; and means for driving said feeding means, lifters, beaters, and discharge means at a predetermined relative speed to maintain a rapidly changing layer of materials on the inner wall continuously advancing from said feeding means to said discharge means through said cylinder.

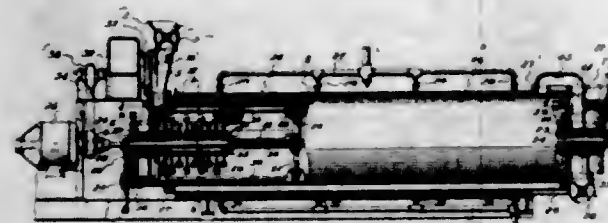
3. In combination, a heated cylinder; means for continuously feeding materials at a substantially uniform rate to said cylinder; means for causing the advance of materials continuously through said cylinder and to continuously discharge therefrom at a substantially uniform rate; relatively high speed rotatable means in said cylinder adapted to strike said materials and to throw the same against the interior surface thereof; and relatively low speed rotatable means for quickly removing the materials from the interior surface of said cylinder into said cylinder to be repeatedly struck by said first mentioned rotatable means.

1,735,394. PROCESS FOR DISTILLING SOLID CARBONACEOUS MATERIAL. STANLEY HILLER, Oakland, Calif., assignor to Stanley Hiller, Inc., Oakland, Calif., a Corporation of California. Original application filed Aug. 9, 1924, Serial No. 731,146. Divided and this application filed May 26, 1925. Serial No. 32,948. 2 Claims. (Cl. 202-28.)



1. The process of distilling solid carbonaceous materials within a heated cylinder having mounted therein beaters adapted to be rotated at a high speed which comprises the steps of continuously feeding the material into the path of said beaters rotating at high speed; impacting the same against the interior surface of the heated cylinder; removing the same from said surface at relatively lower speeds; dropping the removed materials back into the path of the beaters to be mixed and again impacted against the heated surface; repeating the impacting, mixing, and removing steps in rapid succession; continuously advancing the material through said cylinder as the impacting, mixing and removing proceeds; continually withdrawing the distillate from the cylinder; and condensing the withdrawn distillate.

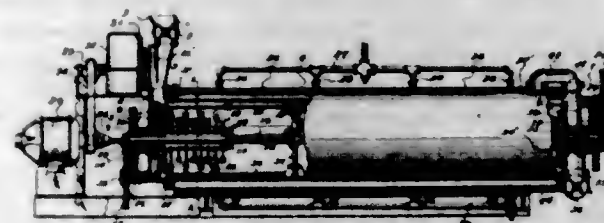
1,735,395. PROCESS FOR TREATING MATERIALS. STANLEY HILLER, Oakland, Calif. Filed May 26, 1925. Serial No. 32,949. 4 Claims. (Cl. 259-10.)



1. A continuous process of treating substances which comprises continuously feeding the substance to be treated into an enclosed cylindrical space, impacting and throw-

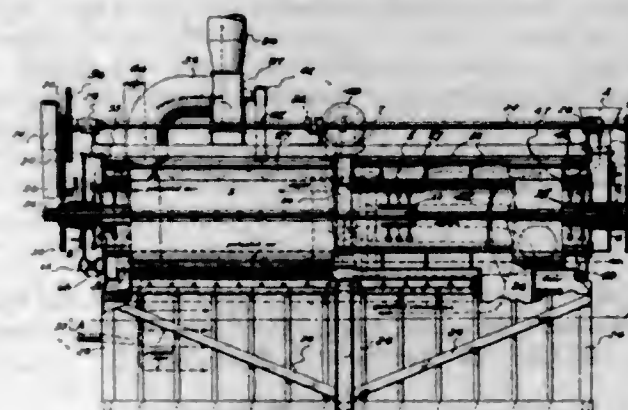
ing the substance against the interior wall of said space, quickly removing the substance from said walls into said space; repeating the impacting and removing steps in rapid succession; advancing the substance continuously through said space in a manner to maintain a relatively thin, rapidly changing layer of the substance on said wall; and continuously discharging the treated substance from said space.

1,735,396. PROCESS AND APPARATUS FOR PULVERIZING AND DRYING SOLIDS. STANLEY HILLER, Oakland, Calif., assignor to Stanley Hiller, Inc., Oakland, Calif., a Corporation of California. Original application filed July 7, 1924, Serial No. 731,146. Divided and this application filed May 26, 1925. Serial No. 32,950. 6 Claims. (Cl. 34-7.)



1. A continuous process of drying and pulverizing solids which comprises continuously advancing the solids through an enclosed space with heated walls; impacting and throwing the same against the walls of said enclosed space so as to comminute same; quickly removing the same from said walls into said enclosed space; and repeating the impacting and removing steps in rapid succession as the solids advance through said enclosed space.

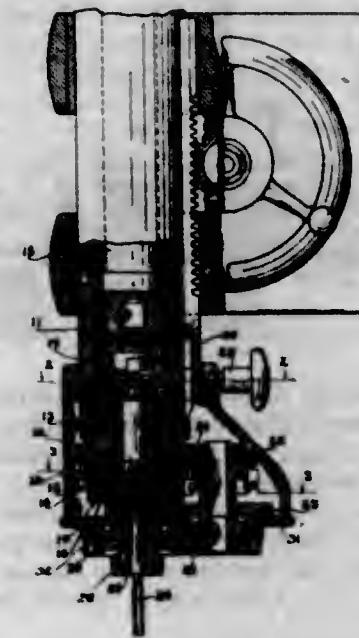
1,735,397. DRYING PROCESS. STANLEY HILLER, Oakland, Calif. Filed May 26, 1925. Serial No. 32,951. 6 Claims. (Cl. 159-49.)



1. A continuous process of dehydrating liquids which comprises continuously feeding the liquids to be treated into an enclosed cylindrical space, impacting and throwing the substance against the interior wall of said space, quickly removing the substance from said walls into said space; repeating the impacting and removing steps in rapid succession; advancing the liquids continuously through said space in a manner to maintain a relatively thin, rapidly changing layer of liquid on said wall; and continuously discharging the hydrated liquid from said space.

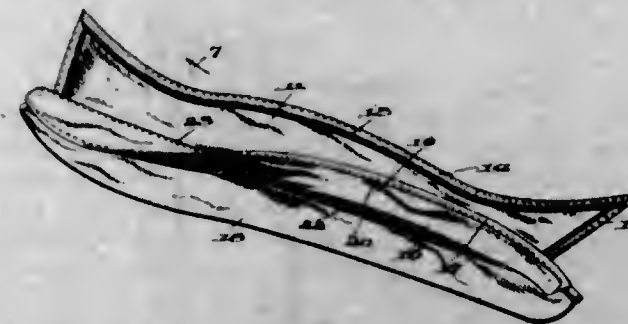
5. A process of drying blood which comprises continuously advancing the blood through an enclosed space with heated walls; splashing the blood against the walls of said enclosed space; quickly removing the blood from said walls into said enclosed space; and repeating the smashing and removing steps in rapid succession as the blood advances through said enclosed space.

1,735,398. AUXILIARY TOOL-ROTATING DEVICE FOR BORING AND DRILLING MACHINES. FRANK O. HOAGLAND, Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 10, 1927. Serial No. 167,280. 2 Claims. (Cl. 77-55.)



1. A speed-up attachment for drilling machines having a main spindle rotatably mounted within an axially movable but non-rotatable sleeve comprising in combination, a body member adapted for attachment to said sleeve, a driving member within said body member adapted to be secured to said spindle, a gear formed on said last mentioned member, an intermediate member rotatably mounted within said body member and having a gear engaging the gear on the driving member, a bushing entering the main spindle, retaining means for said bushing on said driving member, an auxiliary tool spindle rotatably mounted within said bushing, and gears connecting said intermediate member and auxiliary spindle.

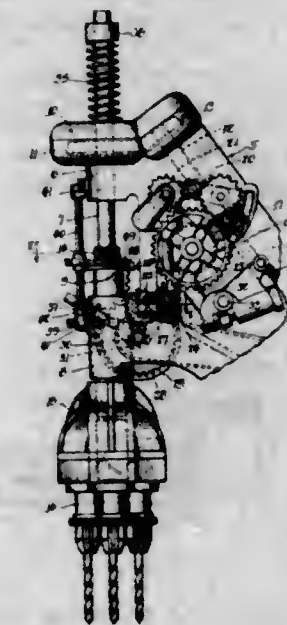
1,735,399. ATTACHED COLLAR AND METHOD OF MAKING SAME. RALPH HUNTER, New York, N. Y., assignor to Hall, Hartwell & Co. Inc., Troy, N. Y., a Corporation of New York. Filed Jan. 10, 1928. Serial No. 245,753. 15 Claims. (Cl. 2-143.)



1. That improvement in the art of making fold collars of the shirt-attached type, which consists in making the collar top and band, the latter comprising a plurality of plies, uniting the top and band, subjecting the collar to a shrinkage process with the free edge of the band having the plies unsewed so that the band is open along said edge, and thereafter sewing the collar to the shirt.

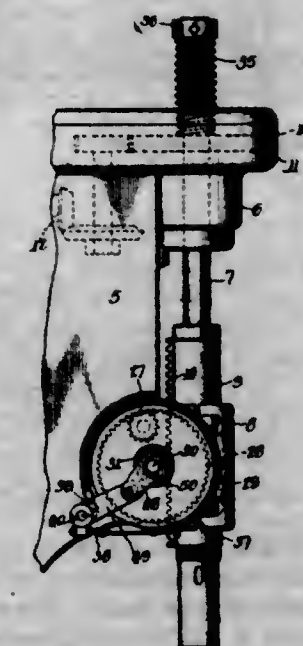
7. A collar comprising a band of at least three plies, including an intermediate stiffening ply and two wider outer plies, the bottom edge of one outer ply being folded over the bottom edge of the inner ply to envelope the same, stitching securing the inner ply and said outer ply together adjacent said fold, a fold-over top sewed to said outer band plies in overlapping relation and adjacent the upper edges of the outer band plies independently of the inner band ply.

1,735,400. TOOL-SPINDLE BRAKE MECHANISM. ALBERT M. JOHNSON, Rockford, Ill., assignor to Barnes Drill Company, Rockford, Ill., a Corporation of Illinois. Filed Feb. 16, 1925. Serial No. 9,683. 8 Claims. (Cl. 77-33.)



8. A brake mechanism for tool spindles comprising, in combination, a brake drum rotatable in the movements of the spindle, a rock shaft, a brake member mounted on said shaft for movement toward and from said drum, and an arm adjustably splined on said shaft having a portion projecting into the path of movement of a part on the spindle whereby at a predetermined point in the movement of the latter the shaft is rocked to apply the brake member to said drum.

1,735,401. BAND-BRAKE STOP FOR DRILL FEED SHAFTS. ALBERT M. JOHNSON, Rockford, Ill., assignor to Barnes Drill Company, Rockford, Ill., a Corporation of Illinois. Filed July 1, 1926. Serial No. 119,839. 9 Claims. (Cl. 77-33.)

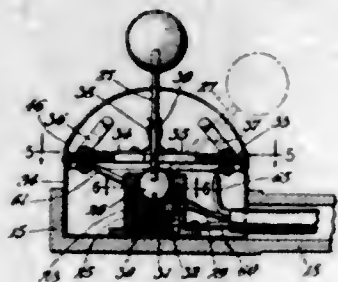


1. A drilling machine or the like having, in combination a tool spindle, a sleeve on said spindle having a rack thereon, a shaft geared to said rack for rotation in timed relation to the movements of the spindle, and friction brake means for said shaft and operatively connected thereto so as to be actuated thereby at a predetermined point in the travel of the spindle to stop the movement of the spindle.

1,735,402. BOILER COMPOUND. WILLIAM L. KNEISEL, San Diego, Calif. Filed Nov. 14, 1927. Serial No. 233,317. 1 Claim. (Cl. 87-27.)

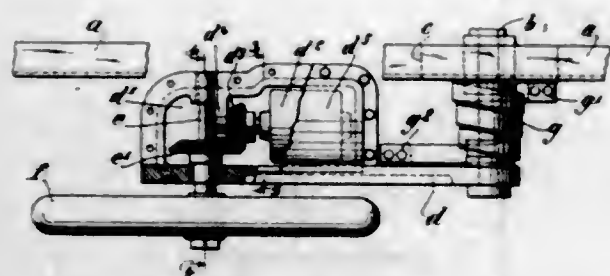
A boiler compound comprising silicate of soda, twelve hundred pounds, caustic soda, one hundred twenty pounds, extract of hemlock containing tannic acid, ten pounds, gum catechu, ten pounds, and sorghum molasses, twelve pounds.

1,735,403. SIGNALING DEVICE. JAMES L. MACCARTHY, Brooklyn, N. Y. Filed Feb. 3, 1926. Serial No. 85,685. Renewed Mar. 26, 1929. 10 Claims. (Cl. 200-6.)



10. A switch comprising a binding post, a lever, a ball and socket connection between said lever and binding post, contact members, a block engaging the ball of said ball and socket connection, cooperating means on said ball and block comprising a pin on one member and a groove in the other member to guide said lever into engagement with said contact members, and resilient means for maintaining said block in contact with said ball.

1,735,404. WHEEL MOUNTING. ALFRED FELLOWS MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 20, 1928. Serial No. 271,446. 2 Claims. (Cl. 180-73.)

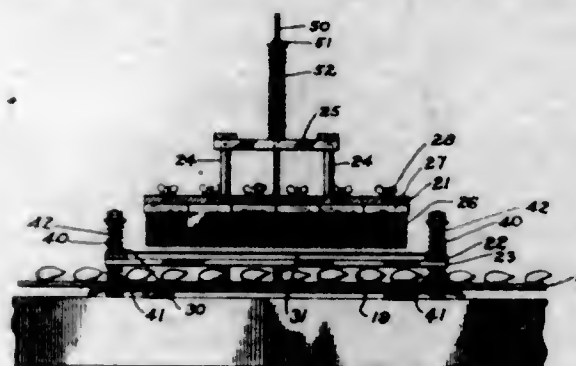


1. A wheel mounting comprising a vehicle frame, a wheel, a wheel bracket, means for mounting the bracket pivotally upon the frame, spring means mounted between the bracket and frame, a jack shaft mounted in the bracket, a wheel driven by the jack shaft, a housing formed with the bracket, an electric motor in the housing, and driving means between the motor and wheel.

1,735,405. PURE IRON OF SMALL GRAIN SIZE. WILHELM MEINER, Ludwigshafen-on-the-Rhine, WALTER SCHUBARDT, Mannheim, and OSKAR KRAMER, Oppau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Aug. 28, 1928. Serial No. 302,648, and in Germany Sept. 10, 1927. 4 Claims. (Cl. 75-14.)

1. A process of producing pure iron of small grain size which comprises treating iron powder with a reducing gas free from carbon at temperatures between about 300° C. and about 500° C. until the carbon content is at most 0.5 per cent and then heating in an inert atmosphere to temperatures above 500° C. but below its melting point and grinding the iron.

1,735,406. FRUIT-PERFORATING MACHINE. THOMAS C. MOORE, Fresno, Calif., assignor to Mor-Pak Preserving Corporation, Fresno, Calif., a Corporation of Nevada. Filed Nov. 1, 1926. Serial No. 145,677. 5 Claims. (Cl. 146-56.)

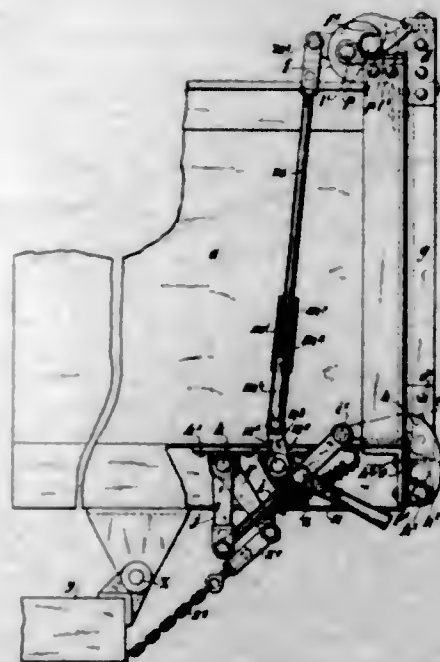


2. In a perforating machine of the character described, a perforating table, a plurality of perforating needles carried by the table, means for imparting an intermittent vertical reciprocal movement to the table and the needles, said table being supported by said last named means, and a pair of springs connected with the table and forming a partial support for the table to relieve the vertical reciprocating means of the entire weight of the table and the needles.

1,735,407. PROCESS FOR VAPORIZING FORMAMID. EDUARD MÜNCH, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Jan. 17, 1928. Serial No. 247,461, and in Germany Jan. 27, 1927. 5 Claims. (Cl. 260-124.)

1. A process for vaporizing formamid which comprises contacting liquid formamid with a surface, heated to a temperature considerably above 215° C., while avoiding accumulation of liquid formamid.

1,735,408. DOUBLE-ACTING TAIL GATE FOR DUMP TRUCKS. CHARLES L. NEIN, Allentown, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 1, 1927, Serial No. 165,057. Divided and this application filed Oct. 20, 1927. Serial No. 227,427. 1 Claim. (Cl. 296-51.)



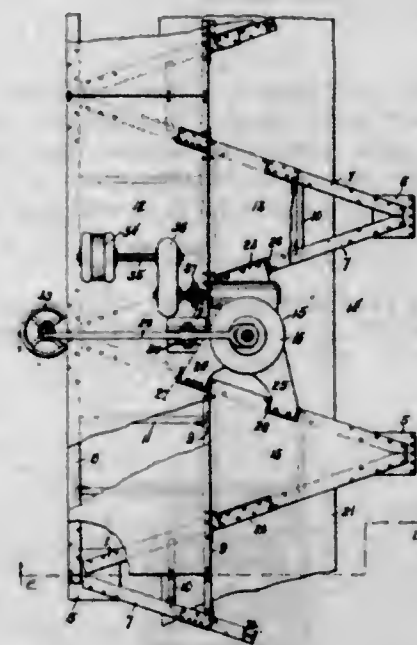
Means for mounting a tail gate on a truck body, comprising in combination a pin on the tail gate near the top thereof, a rest for the pin mounted rigidly on the body, said rest comprising horizontal and vertical portions, a

hook pivoted on the body, and means to swing the hook about its pivot to secure the pin against the rest, said means comprising a resilient member to receive forces exerted upon said hook incident to movement of the pin, whereby breakage is prevented.

1,735,409. PRODUCTION OF CARBON DISULPHIDE. MATTHIAS PIER, Heidelberg, and KARL WINKLER, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Jan. 5, 1928. Serial No. 244,770, and in Germany Jan. 12, 1927. 6 Claims. (Cl. 23-206.)

1. The process for the production of carbon disulphide and hydrogen, which comprises treating a gas comprising hydrocarbons with a gas furnishing sulfur at an elevated temperature of at least 850° C.

1,735,410. FRAMEWORK FOR GLASS-POLISHING UNITS OR THE LIKE. ARCHIE W. PLATT, Toledo, Ohio, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio, a Corporation of Ohio. Filed Mar. 21, 1927. Serial No. 176,846. 2 Claims. (Cl. 51-109.)

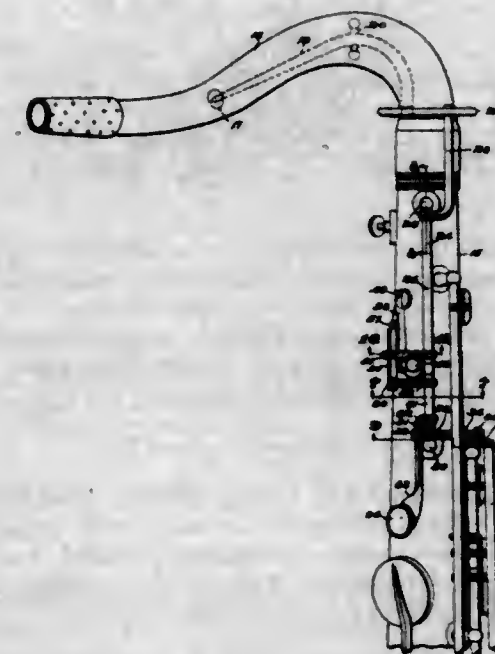


1. A framework for supporting a multiplicity of glass polishing units or the like composed of a series of horizontally disposed V-shaped members arranged with the open ends of the members in juxtaposition to the like ends of the adjacent members to provide a zig-zag assemblage, supporting means for the glass polishing units extending transversely across the spaces between and connected to the adjacent apex portions of adjacent members, means to connect said units to said supporting means in depending relation to the supporting means so as to support the units in said spaces between the adjacent apex portions of adjacent members, a polishing bed disposed beneath the units for supporting the glass to be polished and means to operate the units.

1,735,411. SAXOPHONE. EDWARD V. POWELL, Arlington, Mass. Filed July 5, 1928. Serial No. 290,432. 22 Claims. (Cl. 84-385.)

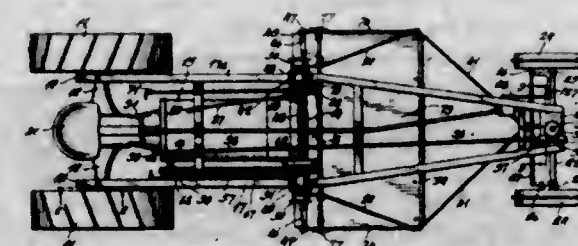
3. In a saxophone, the combination of a horn having two octave openings, two octave pads controlling said openings, respectively, an octave key, a G-key, and mechanism conjointly controlled by said keys to cause pressure on both to lift one pad from its opening while the second pad is maintained upon its opening, and to cause pressure on the octave key only to maintain the first pad upon its

opening and to lift the second pad from its opening, said mechanism including a lever connected to said octave key to be rocked thereby, a movable fulcrum for said lever, a



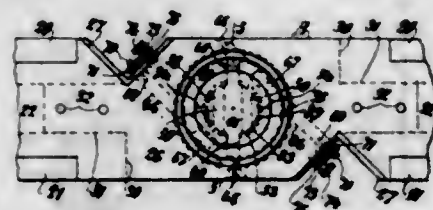
spring which tends to cause said fulcrum to move when said octave key is pressed, and means operated by said G-key to prevent said fulcrum from moving.

1,735,412. DIRT-HANDLING MACHINE. HAROLD M. PURSEL, Casper, Wyo., assignor to Sharrock and Pursel, Casper, Wyo., a Copartnership consisting of W. G. Sharrock and Harold M. Pursel. Filed Dec. 24, 1928. Serial No. 328,242. 2 Claims. (Cl. 37-128.)



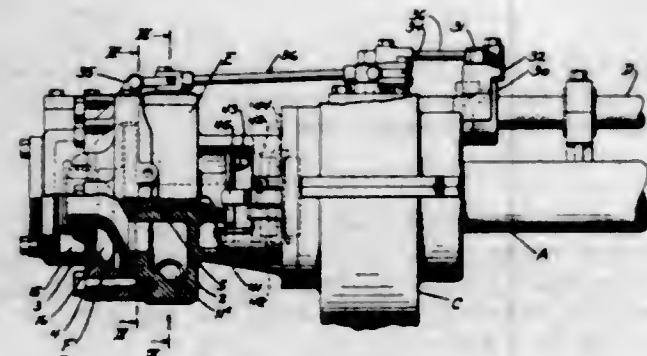
1. A power operated scraper comprising an upwardly arched frame having spaced side members, the rear end of said frame being secured to a tractor, a pair of wheels secured to the front end of the frame, a shaft extending transversely of the frame and mounted for rotation thereon, a clutch associated with said shaft, means for rotating one part of the clutch from a power take-off on the tractor, means for moving the clutch members into and out of operative position, a ratchet means associated with the shaft for holding it against rotation in one direction, means for moving said ratchet means into and out of operative position, a scraper located underneath the frame, means for pivotally connecting the rear end of the scraper with the frame so that it can be rotated about a horizontal axis, a cable secured to each side of the scraper near the front end thereof, the other ends of the cable being secured to the shaft and adapted to be coiled about the latter when the shaft is rotated in one direction whereby the front end of the scraper is raised, a windlass secured to the front end of the frame, a cable extending from the lower front corner of each side of the scraper to the windlass, means for rotating the windlass so as to vary the length of the cables, an end gate pivotally secured to the rear end of the scraper and latching means carried by the end gate for holding it in closed position.

1,735,413. COMBINED LEVEL AND SQUARE. BARNET RUDOLFF, Bayonne, N. J. Filed June 17, 1927. Serial No. 199,523. 4 Claims. (Cl. 33-214.)



1. In a level the combination, of a member, a pair of segmental supports rotatively supported in said member, a pair of rings engaging grooves in said supports to maintain them in spaced rotative relation, means to rotatively move the supports independently of each other and a spirit level secured to each segmental support.

1,735,414. STARTING AIR DISTRIBUTOR FOR DIESEL ENGINES. TOR E. SKILDEN, Oakland, Calif., assignor to The Union Gas Engine Company, Oakland, Calif., a Corporation of California. Filed Aug. 16, 1926. Serial No. 129,408. 3 Claims. (Cl. 60-16.)



3. A starting air distributor of the character described, comprising a casting having a plurality of chambers formed therein, said casting also having a plurality of inlet ports formed in one face which communicate with the respective chambers, a second casting secured to the first named casting, a disc valve mounted within the second named casting and engaging the face of the first named casting in which the inlet ports are formed, said disc valve having two ports formed therein, means for rotating the disc valve so as to bring the ports into and out of register with the inlet ports in the first named casting, a partition plate in the second named casting dividing the second named casting into two chambers with a stuffing box in said partition, an extension on the disc valve extending through the stuffing box, said extension having a port formed therein which communicates with one of the ports in the disc valve, said second named housing having a third chamber formed therein and said second named casting having two ports formed therein, one communicating with one chamber in the second named housing and the second with the other chamber, both of said ports communicating with the third chamber, a valve stem entering said third chamber, a valve mounted on the stem within the chamber, means for imparting a rotary movement to the stem and the valve so as to swing the valve from one port or the other, and a pair of cam members aligning with the ports and engageable with the valve to retain it in tightly closed position when covering one port or the other.

1,735,415. SAFETY DEVICE FOR HOT-WATER BOILERS. ANDREW G. SPINNEY and CHARLES A. TWIGG, Portland, Me. Filed Apr. 18, 1928. Serial No. 271,090. 5 Claims. (Cl. 137-161.)

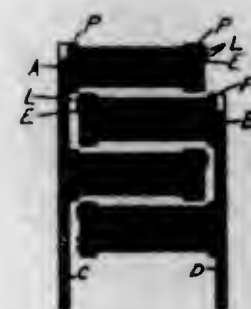
1. A safety device adaptable for use on hot water boilers, comprising in combination a valve housing having

two chambers therein, a partition, having a valve seat thereon, interjacent said chambers, a relief valve operable on said seat, means providing communication between the interior of the boiler and one of said chambers, an escape pipe from the other of said chambers, yielding means



acting to seat and hold said valve against the normal water pressure in the boiler, and means, thermally responsive to open said valve against the force of said seating means when the temperature of the water in the boiler shall have reached a predetermined degree.

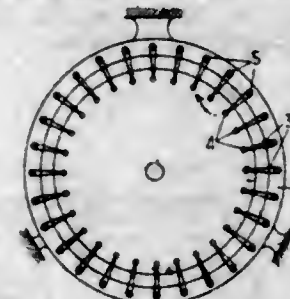
1,735,416. RADIOCONDENSER. JOHN J. AURYNGER, Brooklyn, N. Y. Filed Sept. 8, 1922. Serial No. 586,841. 5 Claims. (Cl. 175-41.5.)



1. Electric condensers comprising a plurality of main plate elements of positive and negative potential spaced apart and insulated from each other, said plates being of uniform thickness and thin auxiliary plates associated with said main plates and directly fastened thereto, said condensers having a variable capacity in proportion to the relative thickness of said main plates and said auxiliary plates.

5. A condenser comprising a plurality of parallel conducting plates separated by a dielectric medium, certain of these plates being electrically connected to form a group of plates of one polarity when connected to a source of electric current, certain other plates electrically connected to form another group of plates of a different polarity, the plates of each group being so disposed with relation to the plates of the other group as to form a series of plates of alternate polarity, and other conducting plates so disposed that each of the group plates have a plurality of these plates adjacent thereto, said other plates being insulated from each other and from the group plates, each of said group plates and adjacent isolated conducting plates being riveted and pressed together by metallic compresses to form a group unit.

1,735,417. SOUND DIAPHRAGM. MARCEL BERNARD, Paris, France. Filed Apr. 19, 1923. Serial No. 633,077. and in France May 20, 1922. 14 Claims. (Cl. 181-31.)



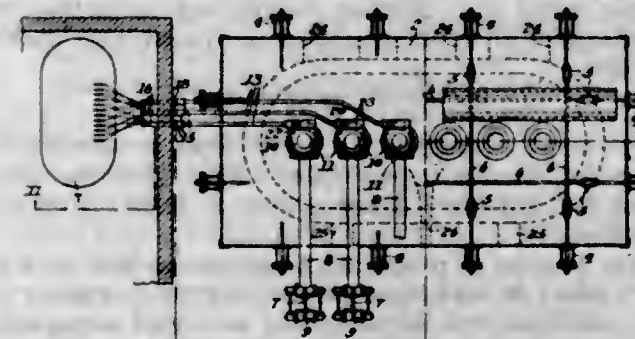
1. A vibratory system for a loud speaker comprising a vibratory diaphragm of sufficient size to make the use of sound amplifying devices unnecessary, a support for said diaphragm disposed in spaced relation with respect to said diaphragm, and a plurality of flexible means connecting said diaphragm to said support.

1,735,418. TRUSS-LADDER CONSTRUCTION. ROBERT S. BOLGER, Jamaica, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 6, 1928. Serial No. 259,418. 8 Claims. (Cl. 228-58.)



1. A ladder construction of the character described comprising spaced truss members, rungs, companion blocks between the truss members, means to secure the rungs in the blocks, and means to secure the blocks between the truss members.

1,735,419. ELECTRIC FURNACE. FRANK W. BROOKE, Pittsburgh, Pa., assignor to William Swindell & Brothers, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 2, 1928. Serial No. 282,850. 14 Claims. (Cl. 266-1.5.)

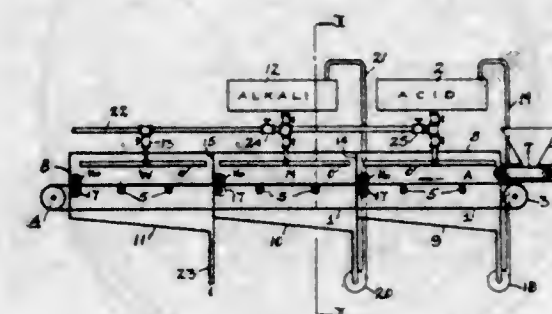


14. In an electric furnace, an electrode, means for effecting travel thereof, a conductor cooperating with said

388 O. G.—29

electrode, and a pivotal mounting for the end of said conductor remote from the electrode, said conductor having a load sustaining connection adjacent each end thereof to relieve the conductor from mechanical loads.

1,735,420. METHOD OF TREATING SILK-CONTAINING WOOL MATERIALS. DOUGLAS C. CHISHOLM and JOHN A. HANNUM, Cleveland, Ohio, assignors to George E. Collings, trustee, Cleveland, Ohio. Filed May 12, 1926. Serial No. 108,505. 5 Claims. (Cl. 8-12.)

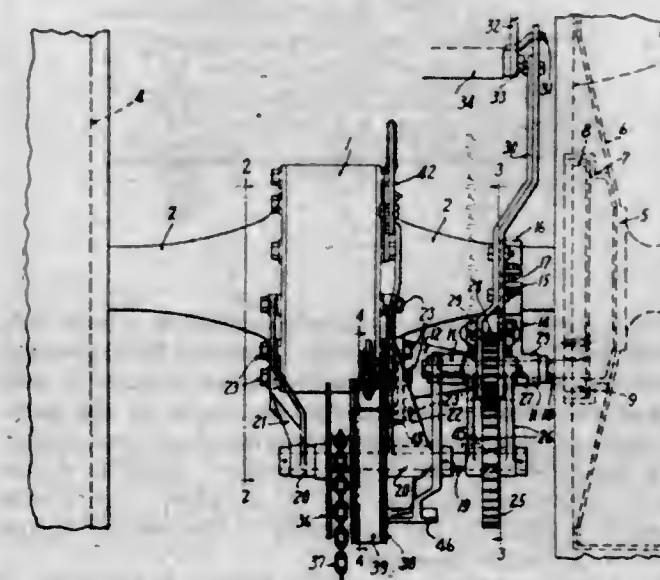


1. A process of the character described, which comprises destroying the silk in a mixture of silk and wool, by treating the same at ordinary temperature with hydrogen chloride in solution.

1,735,421. PROCESS OF BLENDING OILS. THOMAS COX, Oakland, and MARK L. REQUA, Piedmont, Calif., and ALEXANDER S. KNOWLES, New York, N. Y.; said Cox and said Knowles assignors to said Requa. Filed Aug. 10, 1925. Serial No. 49,216. 1 Claim. (Cl. 196-80.)

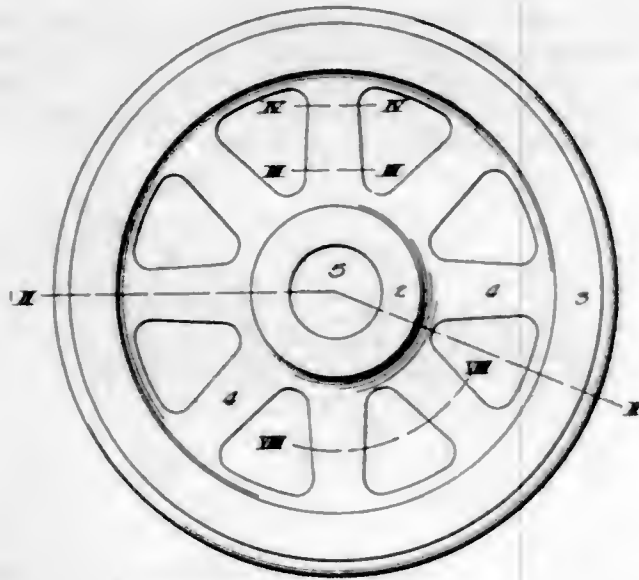
A process of producing a creosote oil of predetermined gravity, which consists in mixing a predetermined proportion of petroleum oil intimately with a predetermined proportion of finely crushed coal, coking the mixture from below and upwardly under a temperature sufficiently low to chemically blend and liberate a maximum amount of vapors and a minimum of gas, and condensing the vapors and gases liberated.

1,735,422. POWER LIFT FOR TRACTORS. EARLE H. DANIEL, Springfield, Ohio. Filed Mar. 12, 1928. Serial No. 261,093. 5 Claims. (Cl. 74-7.)



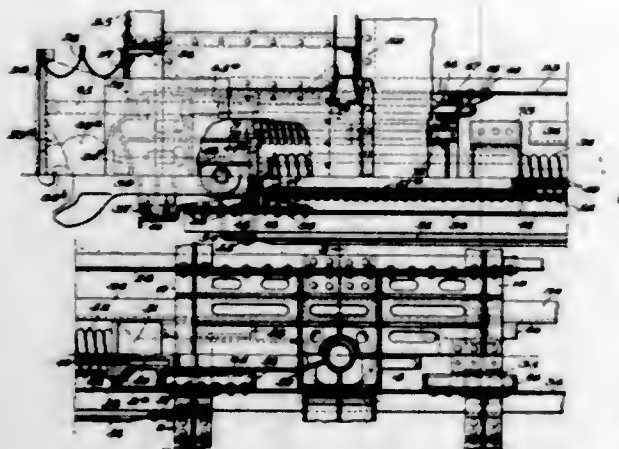
1. In a power lift attachment for tractors, the combination of a winding shaft, a driven gear thereon, a drive shaft, a drive gear thereon, an intermediate gear permanently in mesh with said winding shaft gear and mounted to swing about the axis thereof, an operating lever having a pivotal connection at the axis of said intermediate gear, and a pivoted support for said lever movable about the axis of said drive gear.

1,735,423. METHOD OF MANUFACTURING CAR WHEELS. CHARLES R. DAY, Sewickley, Pa. Filed May 17, 1928. Serial No. 278,580. 8 Claims. (Cl. 29-168.)



1. In the manufacture of car wheels from a blank having a hub, web and rim, the method consisting in pressing the web between dies to form the spokes with accompanying separation and removal of intervening metal.

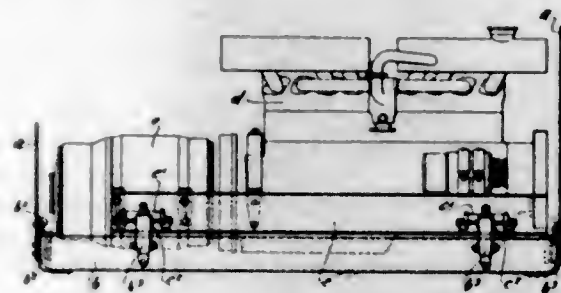
1,735,424. CAR CONSTRUCTION. OTHO C. DURYEA, Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del., a Corporation of Delaware. Filed June 17, 1926. Serial No. 116,695. 24 Claims. (Cl. 105-8.)



1. In a passenger coach, a body including a vestibule and body bolsters, a center member mounted for movement of great extent in either of two directions relative to said body and extending substantially the length of the body, long travel yielding means for resisting draft and buffing shocks imparted to the center member, coupler means movably connected to the center member, and means for positively limiting the movement of the coupler means relative to the center member.

2. In a passenger coach, a body having a vestibule, a vestibule diaphragm operatively connected to the vestibule, a face plate for said diaphragm, long travel yielding means for normally maintaining the face plate in a predetermined position relative to the vestibule, a long-travel center member mounted for movement relative to said body and adapted to coact with said yielding means, yielding means of long travel for resisting relative movement of the center member in either direction, and coupler means operatively connected to the center member.

1,735,425. VEHICLE CONSTRUCTION. CHARLES FROESCH, Teaneck, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 8, 1928. Serial No. 276,011. 1 Claim. (Cl. 180-64.)



In combination with the sides of a vehicle body, a power unit disposed transversely of the vehicle body, a sub-frame carrying the unit, a main frame, means to mount the sub-frame on the main frame, and means to connect the main frame to the sides of the vehicle body at a plurality of points on each side adjacent the lower rear corners of the sides, whereby the main frame serves as the lower transverse bracing member for the body.

1,735,426. PRODUCTION OF FIBER ARTICLES. MEYER M. FROST, Capac, Mich. Filed Aug. 20, 1927. Serial No. 214,438. Renewed May 1, 1929. 3 Claims. (Cl. 92-21.)

1. The process of producing homogeneous fiber articles which consists in forming a pulp of the fiber in finely divided conditions with water, mixing with said pulp rosin soap, expressing said water therefrom under high pressure drying and subjecting the molded article to an impregnation treatment with a solution of pine oil and banana oil.

1,735,427. PRODUCTION OF FIBER ARTICLES. MEYER M. FROST, Capac, Mich. Filed Aug. 20, 1927. Serial No. 214,439. 3 Claims. (Cl. 92-21.)

1. The process of producing homogeneous fiber articles which consists in forming a pulp of the fiber in finely divided condition with water, mixing with said pulp an adhesive, expressing said water and molding the fiber under high pressure drying and subjecting the mold to an impregnation treatment with a solution of six parts sulphur, three parts rosin and one part paraffin.

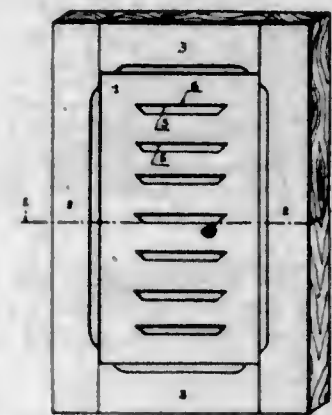
1,735,428. PRODUCTION OF FIBER ARTICLES. MEYER M. FROST, Capac, Mich. Filed Aug. 20, 1927. Serial No. 214,440. Renewed May 1, 1929. 3 Claims. (Cl. 92-21.)

1. The process of producing homogeneous fiber articles which consists in forming a pulp of the fiber in finely divided conditions with water, mixing with said pulp a rosin soap expressing said water therefrom and molding the fiber under high pressure drying and subjecting the molded article to an impregnation treatment with shellac and borax.

1,735,429. PRODUCTION OF FIBER ARTICLES. MEYER M. FROST, Capac, Mich. Filed Aug. 20, 1927. Serial No. 214,441. Renewed May 1, 1929. 3 Claims. (Cl. 92-21.)

1. The process of producing homogeneous fiber articles which consist in forming a pulp of the fiber in finely divided conditions with water mixing with said pulp casein and borax expressing said water therefrom, drying and subjecting the molded article to an impregnation treatment with formaldehyde.

1,735,430. CLOSURE. VICTOR GABRIEL GIBAUD, Paris, France. Filed Aug. 6, 1927. Serial No. 211,029, and in France Apr. 10, 1927. 6 Claims. (Cl. 98-121.)



1. In a closure of the type described the combination of a solid wooden panel and a plurality of ventilating slots formed in said panel extending upwardly from the front side to the rear side of said panel the slot on the front side of the panel being of greater length than on the rear side of the panel for the purpose described, and the sides of said slots diverging from the front side to the rear side along lines lying in planes at acute angles to said panel.

1,735,431. MEANS FOR DECORATING BOXES. FREDERICK GOERTZ, South Orange, N. J., assignor to August Goertz & Co., Inc., a Corporation of New Jersey. Filed Aug. 15, 1928. Serial No. 299,694. 2 Claims. (Cl. 40-156.)



1. In a vanity case having a depression in its outer wall surface and spaced apertures at the margins of said depression, a design insert disposed in said depression, a retaining frame for securing said design insert in place in said depression, said retaining frame having an incurved head to provide a holding seat for retaining the design insert backed against the bottom of said depression and lugs formed on said retaining frame and extending through said apertures in said section, said lugs being clinched upon the inner surface of said wall.

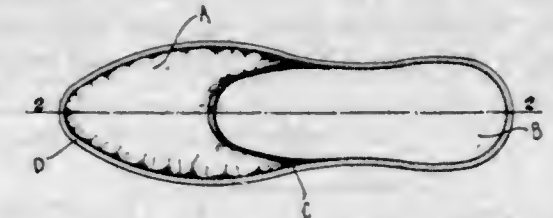
1,735,432. MANUFACTURE OF QUINONE DERIVATIVES. FRITZ GUNTHER, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 5, 1925. Serial No. 60,674, and in Germany Oct. 22, 1924. 2 Claims. (Cl. 260-56.)

1. The process of manufacturing compounds of a quinone nature which comprises acting on quinones with a diazotized aromatic amine.

1,735,433. PROCESS FOR THE MANUFACTURE AND PRODUCTION OF ACETIC ACID ANHYDRIDE FROM ACETIC ACID. FRIEDRICH AUGUST HENGELIN, Cologne-Deutz, and FRANZ SCHLIMMER, Wiesdorf-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktien-gesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Sept. 12, 1927. Serial No. 219,170, and in Germany Sept. 22, 1926. 1 Claim. (Cl. 260-123.)

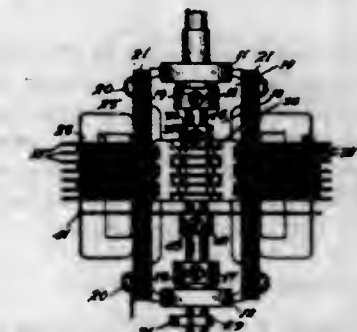
In the process for the manufacture of acetic anhydride from acetic acid the step comprising dissociating the acetic acid into water vapor and acetic anhydride vapor and separating the vapors thus obtained by diffusion through porous materials.

1,735,434. SLIPPER. MAX A. HOHENSTEIN, New York, N. Y. Filed May 12, 1928. Serial No. 277,158. 1 Claim. (Cl. 36-9.)



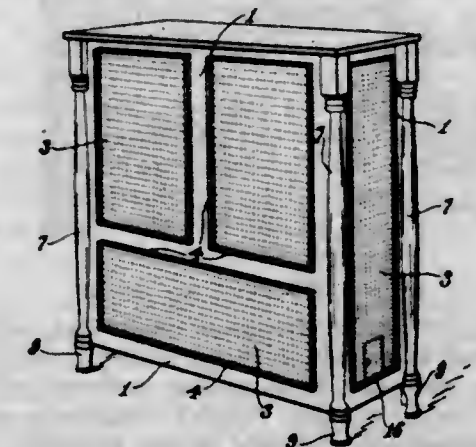
A fabric slipper having separate pockets on the underside of the base and at opposite ends thereof and a rigid removable sole positioned in said pockets, the middle portion of said sole being normally exposed on the underside of said slipper.

1,735,435. VARIABLE CONDENSER. HARRY H. IDE, La Grange, Ill., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1926. Serial No. 82,638. 11 Claims. (Cl. 173-41.5.)



1. In a condenser, a plurality of fixed plates, a plurality of movable plates supported on a rotatable shaft, means for moving said movable plates simultaneously in relation to said fixed plates and independent means slidable on said shaft for varying the relation of certain of said movable plates to said fixed plates, said certain movable plates mounted on said rotatable shaft and adapted to be rotated thereby.

1,735,436. RADIATOR INCLOSURE. SAMUEL KAUFFMAN, St. Louis, Mo. Filed Sept. 22, 1926. Serial No. 137,153. 8 Claims. (Cl. 237-79.)

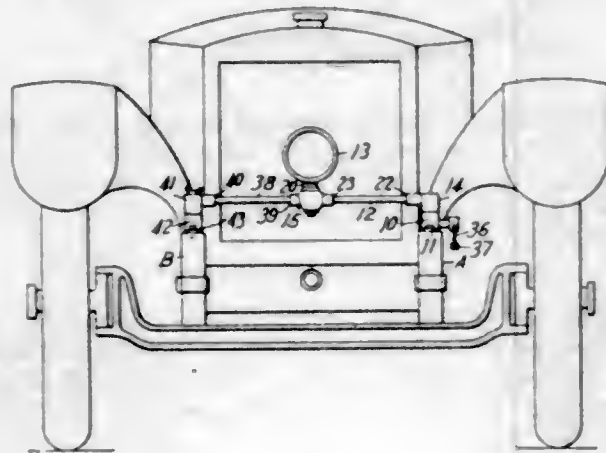


6. A radiator inclosure, comprising a series of structural metal upright and horizontal members connected to form a self-contained skeleton frame, decorative panels mounted in said frame, and decorative corner posts attached to the corners of said frame.

1,735,437. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. GEORGE S. KACK, Pasadena, Calif., assignor to Pilot Ray Corporation, Wilmington, Del., a Corporation of Delaware. Filed Feb. 23, 1927. Serial No. 170,085. 6 Claims. (Cl. 240-62.)

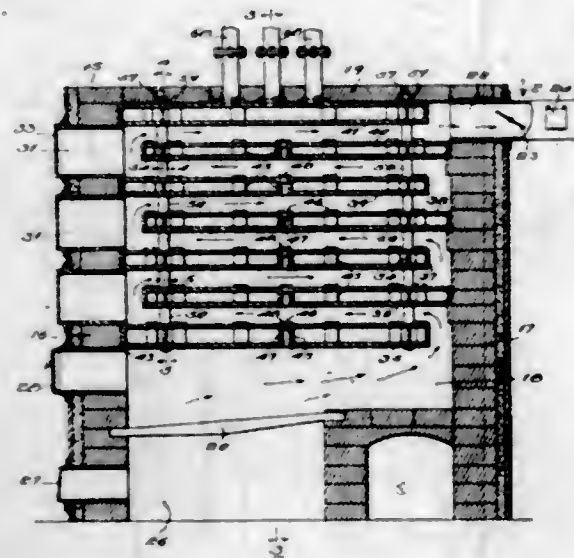
1. In a dirigible headlight mechanism, supporting members having means for mounting the same on the respective

side members of an automobile frame, a tubular arm to extend transversely to said frame and having an enlarged portion intermediate of the ends thereof, means for pivotally connecting one end of said arm with one of said supporting members, means for separably connecting the other end of said arm with the other of said supporting



members, a vertical shaft journaled in the enlarged portion of said arm, a headlight secured to said shaft, a shaft journaled in said tubular arm, gears connecting said shafts, a shaft rotatably mounted on one of said supporting members, means for connecting the last mentioned shaft with the shaft which is mounted in said tubular arm, and means for actuating said last mentioned shaft.

1,735,438. HEATING APPARATUS. EDWARD C. KLINE, Streator, Ill. Filed June 28, 1926. Serial No. 119,101. 1 Claim. (Cl. 122-260.)

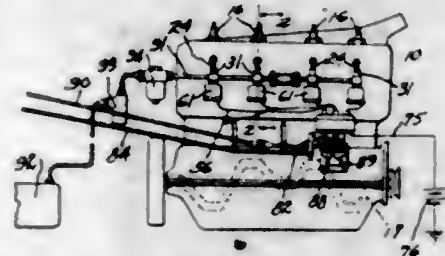


In a boiler for heating dwellings or the like, comprising front, rear and side walls, a plurality of vertically spaced substantially flat hollow members arranged as baffles within said walls, integral tubular reinforcing members extending through each of said hollow members, closures for said reinforcing members, nipples disposed between said hollow members and beveled therein, tie rods extending through the nipples and hollow members for securing said members in fixed relation to each other and to the boiler casing, a fluid inlet pipe communicating with the lowermost of said hollow members, and a discharge pipe communicating with the uppermost hollow member.

1,735,439. FUEL-INJECTION SYSTEM. JOHN M. LEA, Detroit, Mich. Filed Apr. 10, 1925. Serial No. 22,090. 15 Claims. (Cl. 128-140.)

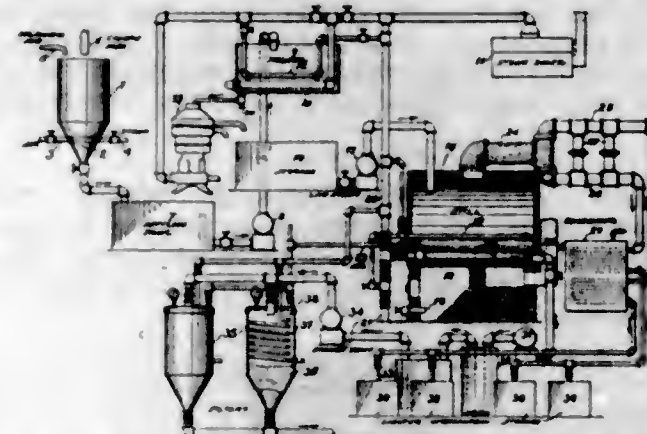
1. An internal combustion engine having a combustion chamber, electromagnetically actuated pumping means

for supplying liquid fuel thereto, and means for controlling the actuation of said pumping means comprising a circuit maker and breaker, means to vary the



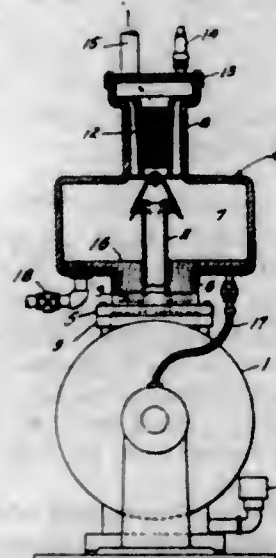
time of actuation of the circuit maker and breaker and means independent of the timing means for varying the duration of contact of the circuit maker and breaker.

1,735,440. ART OF RECLAIMING LUBRICATING OILS. OLIVER J. NELSON, St. Louis, Mo., assignor to Bryte-Nelson Refining Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 8, 1923. Serial No. 611,308. 7 Claims. (Cl. 196-16.)



2. In the art of reclaiming used mineral lubricating oil containing solid matter, moisture and lighter hydrocarbons, and partially emulsified and polymerized, the process comprising, defecating the oil to clear the same of the solid matter and entrained water, gradually heating the defecated oil to the vaporizing point of the mineral lubricant base for a period sufficient to volatilize the remaining moisture and lighter hydrocarbons, blowing the oil body while being so heated, first with air and then with steam, and filtering the residue.

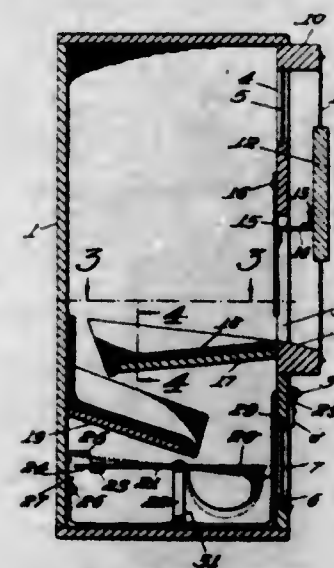
1,735,441. AIR COMPRESSOR. PAUL J. PAPPEN, Newark, N. J., and LESTER WITTENBERG, New Rochelle, N. Y., assignors to The Barrett Company, a Corporation of New Jersey. Filed July 20, 1926. Serial No. 123,623. 3 Claims. (Cl. 280-205.)



1. In combination a rotary air compressor, a narrow-necked wide-bodied chamber seated on said air compressor

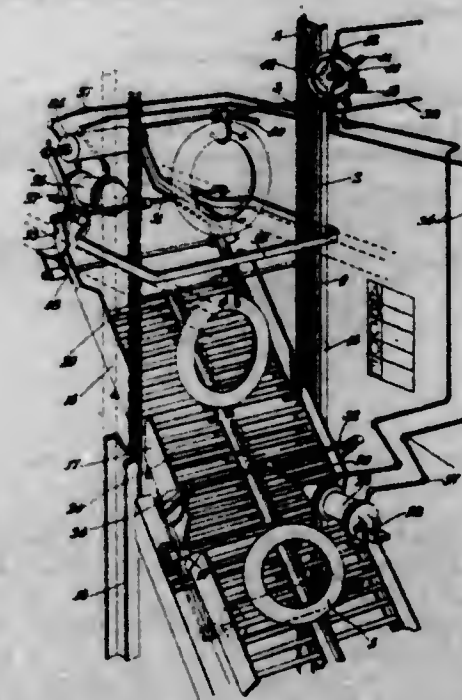
and communicating therewith by an airtight joint and an oil separator, thru which air passes from the compressor, residing substantially within said narrow-necked portion, said wide-bodied portion providing a chamber having several times the capacity of the necked portion.

1,735,442. TRAP NEST. JOHAN OSCAR PALMQUIST, Hamilton, Ontario, Canada. Filed Feb. 8, 1926. Serial No. 85,706. 2 Claims. (Cl. 119-47.)



1. In a trap nest, a housing having an entrance opening in one wall, a sill in said entrance opening extending outwardly from said wall, a ledge extending outwardly from said wall, guide rods connecting said sill and ledge, a trap door arranged upon said rods for opening and closing said entrance, a trigger pivotally suspended from said wall in said entrance opening and movable laterally thereof, and connection between said trigger and trap door whereby the latter is releasably supported in a predetermined position relative to said entrance opening.

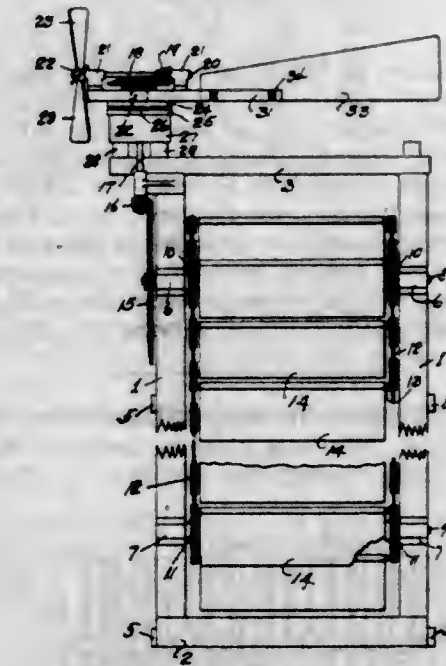
1,735,443. CONVEYER SYSTEM. JOHN THOMAS TURNER RANGLES, HARRY WILLISAW, and HAROLD SMITH, Erdington, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y., a Corporation. Filed Jan. 17, 1929. Serial No. 833,128, and in Great Britain Jan. 13, 1928. 9 Claims. (Cl. 198-177.)



1. A conveyer as set forth in the specification comprising a travelling member including a pair of endless members

retained in spaced relationship by rods located at intervals, said spacing rods having hooks pivotally mounted upon them for receiving the goods, means for rocking said hooks to discharge the goods therefrom and pivotally mounted roller carrying members arranged on opposite sides of said travelling member adapted to be swung to a position oblique thereto to convey by gravity the goods discharged from said hooks.

1,735,444. ROAD SIGN. JAMES WARNER SMITH, Memphis, Tenn. Filed Aug. 2, 1926. Serial No. 126,388. Renewed Apr. 8, 1929. 1 Claim. (Cl. 40-37.)



In a device of the class described, a frame comprising supporting posts spaced apart, a cap therefor and suitable bracing means, bearings on said posts, a shaft carried by said bearings, wheels carried by said shaft, endless flexible members carried by said wheels and depending therebelow, a plurality of signs carried by said flexible members, a gear on said shaft a vertically disposed shaft, bearings for said shaft, a gear on said shaft meshing with said first gear, a turn-table, concentric with said shaft, a turnable member mounted on said turn-table, a wind-actuable assembly carried by said turnable member, gearing connecting said assembly and said shaft and a turn-table support extending upward from said cap and supporting said turn-table at such height above said cap as to permit said assembly to turn about said vertical shaft above said cap.

1,735,445. SCREW-THREADED CAP FOR COVERING GLASS JARS AND OTHER CONTAINERS AND METHOD OF MAKING SAME. SWAN NILS TRVANDER, Maywood, Ill. Filed Oct. 4, 1926. Serial No. 139,446. 6 Claims. (Cl. 216-43.)



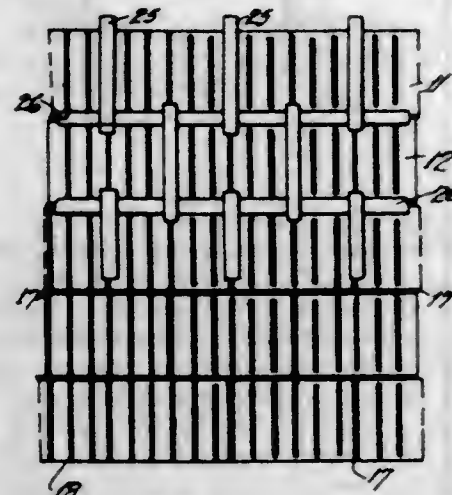
1. The method of forming a screw threaded cap from a flanged blank which consists in inserting a threaded mandrel in the blank, then causing a plurality of correspondingly threaded, radially movable, segmental dies to close about the flange of the blank and press the latter into the threads of the mandrel, said segmental dies being dimensioned to leave spaces between them in closed position into which the excess material of the flange is forced outwardly to form outwardly projecting ribs or folds extending across the threads of the flange.

1,735,446. PEN AND INK STAND. NATHAN R. WATERS, St. Louis, Mo., assignor to Waters & Waters Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 23, 1926. Serial No. 104,067. 1 Claim. (Cl. 120-4.)



In combination, an ink stand including a dipping well, a horizontal member extending over said well and provided with a restricted opening, and a pen holder with a portion having a finger gripping surface, said holder terminating adjacent to said portion in an inwardly offset projection spaced from said surface, snugly fitting in said opening and being barely long enough to engage the sides of said opening, the shoulder formed by said projection and portion resting on top of said member, whereby said pen holder closes said well and is stably supported in upright position.

1,735,447. METHOD OF WATERPROOFING HOLLOW-TILE WALLS. WILLIAM ZAISSER, Brooklyn, N. Y. Filed Aug. 20, 1928. Serial No. 300,811. 2 Claims. (Cl. 72-127.)



1. In a waterproofing system for hollow tile walls, the combination of a wall constructed from dovetailed hollow tile with mortar joints between adjoining tiles, a mastic coating comprising asphalt, talc and asbestos fibre for said joints overlapping the edges of said tile, a water-proof fabric band applied to said tile to cover and seal said joints and a plaster coating for said tile bonded into said dovetailed grooves and covering said band.

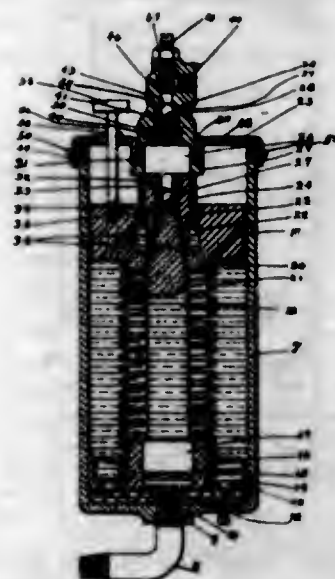
1,735,448. WEDGE. ERIK JOHAN BERGSTROM, Chicago, Ill. Filed Sept. 2, 1927. Serial No. 217,285. 1 Claim. (Cl. 234-104.)



In a wedge, a shell having a head integral with one of its sides only and open along its lateral edges, and a core shaped to conform to the interior of said shell and having a deep marginal notch in its thick edge, said core being

adapted for insertion in or removal from said shell through the open lateral edges thereof and its notched portion being accessible when said head is forced away from one of the sides of said shell.

1,735,449. VIBRATION-OPERATED PUMP. CHESTER H. BRASELTON, New York, and FRED B. MACLAREN, Malba, Long Island, N. Y.; said MacLaren assignor to said Braselton. Filed Jan. 30, 1922, Serial No. 532,719. Renewed Aug. 16, 1928. 13 Claims. (Cl. 103-208.)



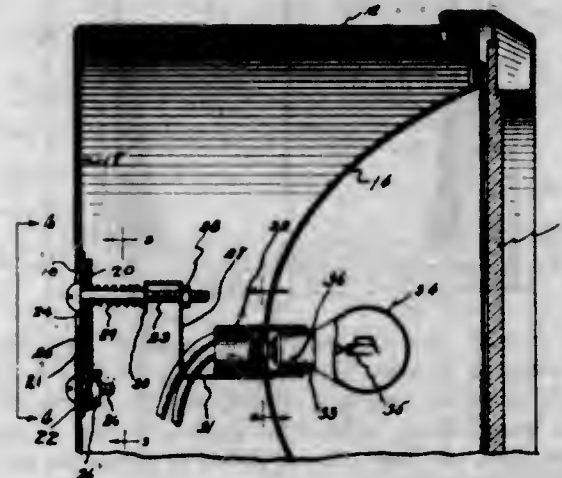
1. The combination of a receiving tank adapted to be subjected to vibration; a cap for the tank rigidly fastened thereto; a pump cylinder carried by the top of the tank and connected with a supply receptacle, a check valve in the connection between the pump cylinder and the supply tank adapted to allow fluid to pass from the latter to the former but not in the reverse direction; a piston in the pump tank having a portion fitting in the pump cylinder; a fluid receiving chamber in the pump tank; openings connecting said chamber with the pump chamber controlled by a check valve adapted to allow fluid to pass from the pump chamber to the fluid receiving chamber of the tank but to prevent flow thereof in the opposite direction; and means for yieldingly maintaining the piston at a point of balance with respect to the pump cylinder but allowing the piston to move relative to the cylinder as the pump tank is subjected to vibration.

1,735,450. NECKTIE HOLDER. BLAISE BUDAI, Bayside, N. Y. Filed Apr. 5, 1928. Serial No. 267,713. 1 Claim. (Cl. 24-60.)



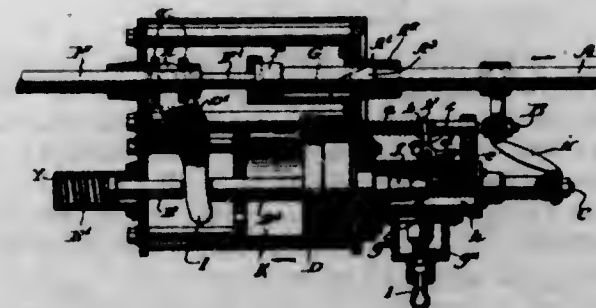
A necktie holder made of a single piece of material and comprising a bifurcated shank having the free ends of its tines bent at an angle to the body portion thereof and adapted to straddle the shank of a collar button, the opposite end of said shank being in the form of a pin, said pin being disposed in the plane of said shank and being capable of entering a necktie, and two lugs formed on the bifurcated portion of said shank, said lugs extending in a direction opposite to that in which the free ends of the tines of said shank are bent.

1,735,451. LAMP-ADJUSTING APPARATUS. GUY H. COULTER, Highland Park, Mich., assignor to Monogram Lens Corporation, Paterson, N. J., a Corporation of Delaware. Filed Apr. 13, 1925, Serial No. 22,650. Renewed Oct. 10, 1928. 2 Claims. (Cl. 240-44.)



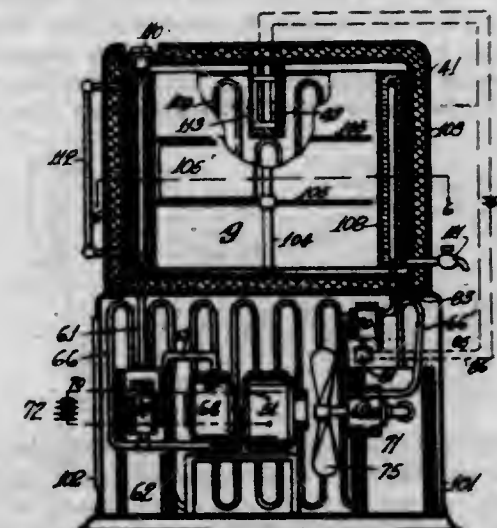
1. A light bulb socket supporting mechanism of the class described adapted for use with a head light casing having a rear wall, a reflector and a socket projected through an opening in the reflector comprising: a bracket having an arm extending substantially parallel to the axis of said socket and secured thereto; a U-shaped support projecting upwardly from the rear end of said arm, one of said legs being longer than the other and the longer of said legs being attached at its end to the rear end of said arm; a screw threaded into the legs of said U-shaped member adjacent the bight thereof, said screw being projected through an opening formed in the rear wall of said casing, a plate positioned normally in engagement with the inner surface of said rear wall and covering said opening, said plate having an opening formed therein for the reception of said screw, said screw effecting, upon its threading in said legs, an axial movement of said socket relatively to said reflector, said screw and said plate being movable vertically relatively to said casing at will for effecting a tilting of said socket to the horizontal; and means for locking said screw against vertical movement relatively to said casing.

1,735,452. BRAKING MECHANISM. JAMES J. DILKS, Jr., Philadelphia, Pa. Filed Dec. 22, 1926. Serial No. 156,446. 2 Claims. (Cl. 188-151.)



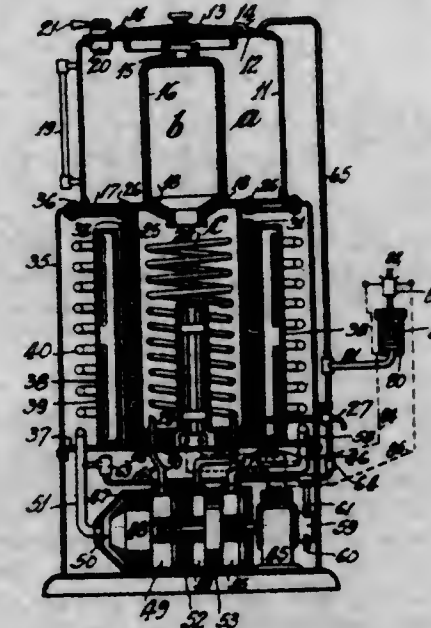
2. In a device of the character stated comprising brake applying mechanism, three parallel rods operatively connected together for movement in unison, the uppermost rod being arranged to operate the other two rods, a lost motion device arranged between said uppermost rod and the brake applying mechanism, a chamber for containing pressure, and normally open at the top and closed at its bottom by vertically arranged valves, a horizontally disposed tapered shoe for opening one valve and a bell crank lever for closing the other valve, and means connecting the first mentioned rod with the other two rods for effecting said movements.

1,735,453. HOUSEHOLD REFRIGERATOR. HARRY W. DYER, New York, N. Y. Filed May 14, 1924. Serial No. 713,144. 4 Claims. (Cl. 62-98.)



1. In a refrigerating apparatus, the combination of a cooling chamber, a refrigerating coil associated with said chamber, a pressure coil, means for delivering air under pressure to said pressure coil, a receiver tank connected through an expanding motor with said pressure coil and means controlled by temperature changes in said cooling chamber for connecting said receiver tank with said refrigerating coil.

1,735,454. REFRIGERATING APPARATUS. HARRY W. DYER, New York, N. Y. Filed Mar. 26, 1926. Serial No. 97,790. 9 Claims. (Cl. 62-98.)

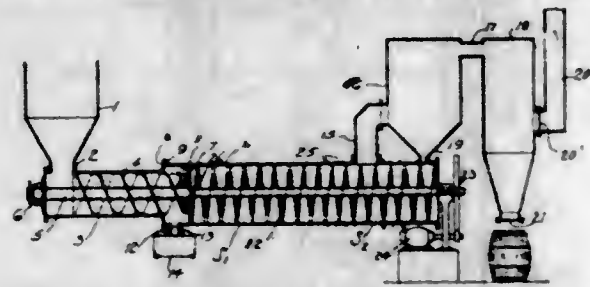


1. In a portable refrigerator and filter, the combination of a liquid receptacle, a cooling chamber below said receptacle, an inverted hollow filter element interposed between said receptacle and said chamber, a refrigerator coil for cooling said chamber, a mechanism for forcing a refrigerant through said coil, a motor for operating said mechanism and means operated by said motor for maintaining an air pressure in said receptacle.

1,735,455. PROCESS AND APPARATUS FOR FRACTIONAL CONDENSATION. FRANK D. FENHAGEN, Fairmont, W. Va., and FREDERICK H. RHODES, Ithaca, N. Y., and THEODORE M. HESSEN, Germantown, Pa., assignors to The Barrett Company, a Corporation of New Jersey. Filed Feb. 12, 1921. Serial No. 444,600. 17 Claims. (Cl. 183-119.)

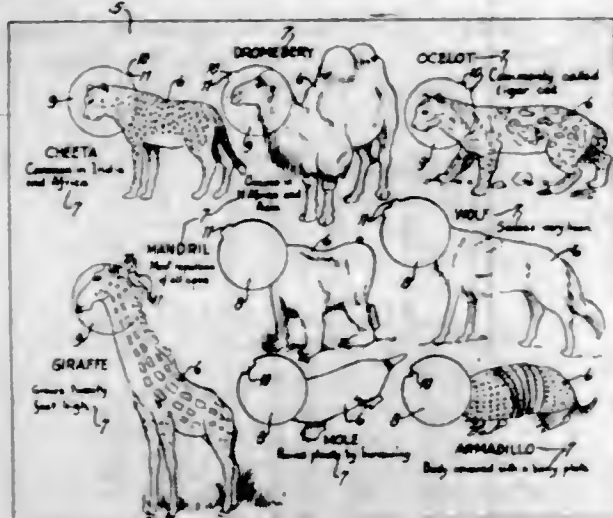
14. The process of separating normally solid substances from a mixture of vapors of such substances, the separate

components of said mixture having different condensation temperatures, which comprises flowing said vapor mixture into a portion of a condensation zone maintained at a temperature adapted to condense the vapor of highest condensation temperature as a solid relatively free from condensate of the vapor of lower condensation temperature, and then flowing the mixture into another portion of the condensation zone maintained at a relatively lower tem-



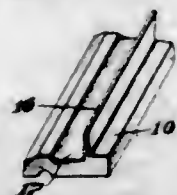
perature adapted to condense said vapor of highest condensation temperature as a solid containing a relatively large quantity of the condensate of the vapor of lower condensation temperature, and then passing said last mentioned solid in a direction counter-current to the flow of said vapor mixture and in intimate contact therewith thereby decreasing the proportion present in said solid of the condensate of the vapor of lower condensation temperature.

1,735,456. EDUCATIONAL DEVICE. RAYMOND H. GARMAN, Wilmette, Ill. Filed Jan. 30, 1929. Serial No. 336,044. 3 Claims. (Cl. 35-12.)



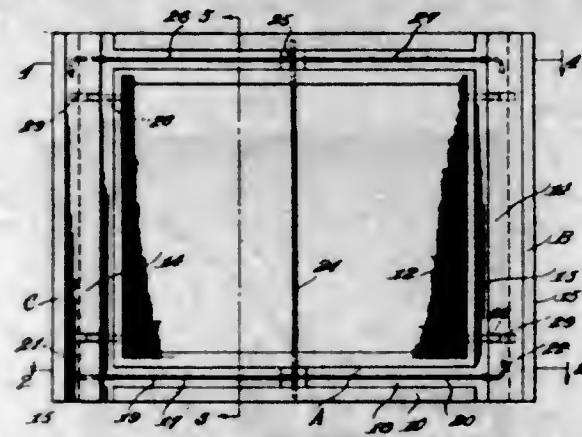
3. An educational device of the class described comprising a base member having portions struck out therefrom to leave openings therein, the marginal edges of the portions and openings having interfitting keys and notches variously disposed therearound, and said base member having printed thereon pictorial illustrations, one illustration associated with each struck out portion and bearing a portion of the pictorial illustration thereon.

1,735,457. WELT SHOE AND WELTING THEREFOR. LORENZO H. GILSON, Brockton, Mass., assignor to Perley E. Barbour, Quincy, Mass., doing business as Barbour Welting Company, Brockton, Mass. Filed June 16, 1928. Serial No. 283,805. 3 Claims. (Cl. 36-78.)



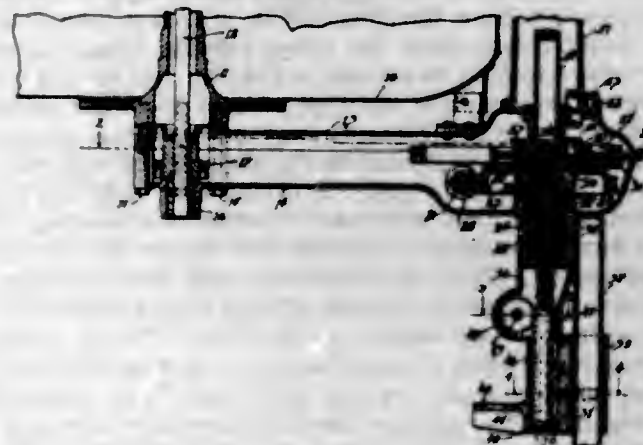
1. A welt shoe having a welt in-seamed to the upper materials and insole, and an outsole out-seamed to the welt by a stitch buried beneath a lip cut in the grain side of the welt from the inner margin outward to preserve an integral outer edge on the welt.

1,735,458. EXTENSIBLE WINDOW SCREEN. MATTHEW GRESAK, Du Bois, Pa. Filed Feb. 4, 1929. Serial No. 337,394. 3 Claims. (Cl. 156-38.)



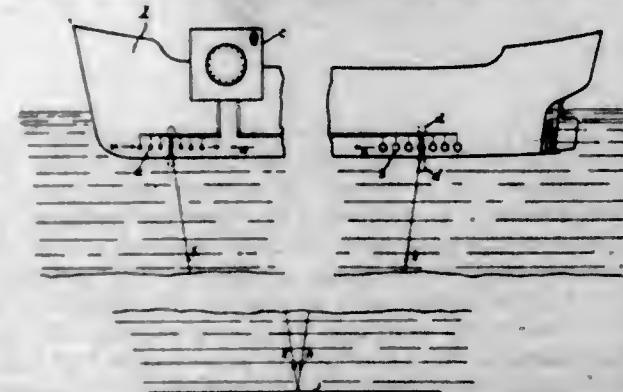
2. A window screen comprising a body part, marginal parts mounted to slide laterally relative to the body part, a rod mounted to oscillate and extending across the body part in parallelism with the sliding parts, cross-heads mounted upon the rod, one of which is extended to form a lever, and links pivoted to the cross-heads and extending to and connected with the sliding parts.

1,735,459. DRIVE MECHANISM. LEE B. GREEN, Lakewood, Ohio, assignor to The Borden Company, Warren, Ohio, a Corporation of Ohio. Filed Jan. 9, 1929. Serial No. 331,276. 13 Claims. (Cl. 74-1.)



3. Driving mechanism of the character herein described, comprising a driven wheel, a shaft in alignment with the axis of said wheel, an eccentric carried by said wheel between the latter and said shaft, means located concentrically of said wheel for varying the eccentricity of said eccentric, and an operative connection between said driven wheel and shaft outside of said means.

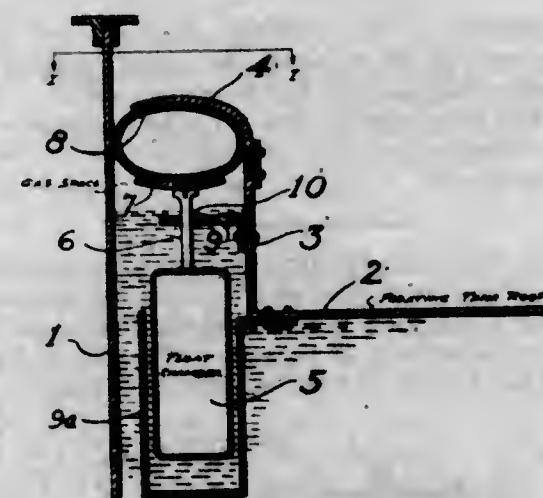
1,735,460. METHOD AND ARRANGEMENT OF DIRECTIONAL WAVE RECEPTION AND EMISSION. WALTER HAHNEMANN, Kitzberg, near Kiel, and HEINRICH HECHT and BERNHARD NIELSEN, Kiel, Germany, assignors to Signal Gesellschaft m. b. H., Bremen, Germany. Filed Dec. 27, 1927, Serial No. 242,850, and in Germany Oct. 5, 1927. 7 Claims. (Cl. 181-0.5.)



1. A system for measuring depths including a vessel, means for sending a sound wave, a group of cooperating

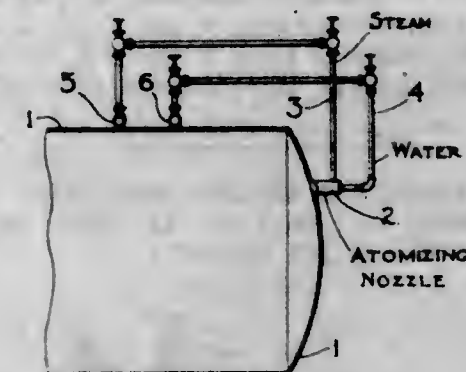
sound receivers insensitive to sound approaching from the direction of the sending means, and means for measuring the time interval between the emission of the sound and the receipt of the reflected echo at the said receivers.

1,735,461. METHOD AND MEANS FOR SEALING FLOATING ROOFS. CHARLES H. HAUPT, Elizabeth, N. J., assignor to Standard Oil Development Company, a Corporation of Delaware. Filed Nov. 10, 1926. Serial No. 147,527. 7 Claims. (Cl. 220-26.)



1. A floating tank roof comprising a roof plate, an upper rim fastened thereto, a flexible inflated member below said rim, and means actuated by the liquid in the tank for distorting said member and thereby making a joint between roof plate and side walls of the tank.

1,735,462. ART OF TREATING HYDROCARBONS. JOHN F. JOHNSON, Westfield, N. J., assignor to Standard Oil Development Company, a Corporation of Delaware. Filed Dec. 12, 1924. Serial No. 755,388. 2 Claims. (Cl. 196-1.)

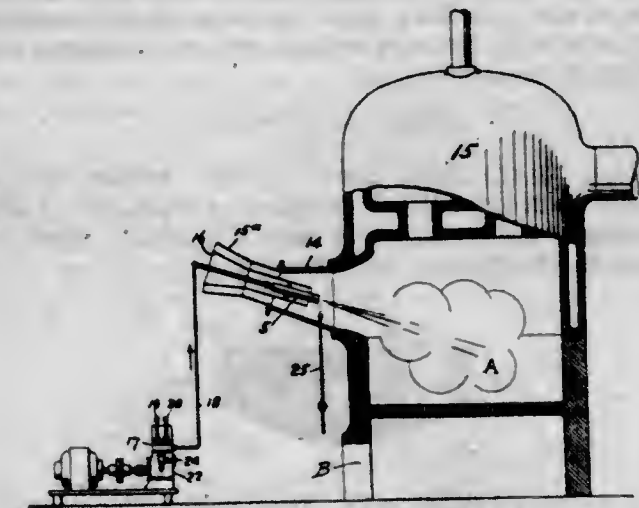


1. Process of cooling hot pressure stills, soaking drums, and analogous apparatus for heat-treating oils preparatory to cleaning, which comprises atomizing liquid water and causing it to pass through the apparatus in cooling relation thereto.

1,735,463. OIL-BURNING APPARATUS. WILLIAM G. JOHNSTON, Philadelphia, Pa., assignor to Charles B. Downs, Philadelphia, Pa. Filed July 8, 1927. Serial No. 204,177. 1 Claim. (Cl. 158-76.)

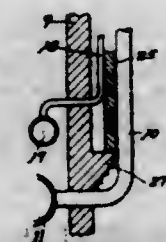
Oil burning apparatus comprising a combustion chamber having an intake for air for combustion, a mechanical atomizer including a plate having an orifice provided with a conical throat and a spring pressed slotted head abutting on the plate and provided with a conical projection, there being at all times space provided between the walls of the orifice and of the throat and the wall of the projection,

a chamber communicating with the combustion chamber and in which the atomizer is housed in spaced relation



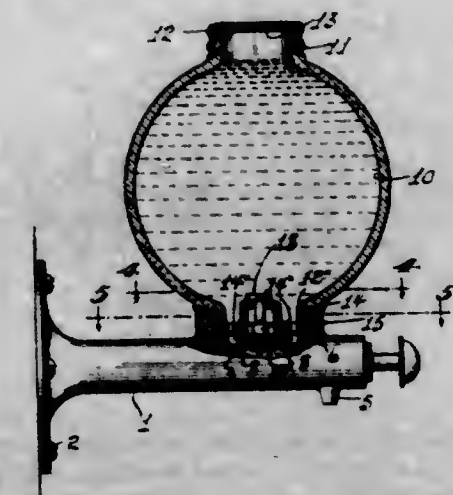
to the combustion chamber, and a tubular casing surrounding the atomizer and arranged for the introduction of air for cooling the discharge end thereof.

1,735,464. BOILER. ERNEST C. KRITHLEY, Detroit, Mich., assignor to The Superheater Company, New York, N. Y. Filed Sept. 30, 1927. Serial No. 223,032. 4 Claims. (Cl. 122-459.)



1. In a boiler, the combination of a furnace wall; a series of spaced water tubes parallel to and in proximity to the wall; a superheater between the water tubes and the wall; and a partition of adjustable size between the water tubes and the superheater, whereby the amount of the superheater surface exposed to radiant heat, and therefore the degree of superheat, can be adjusted.

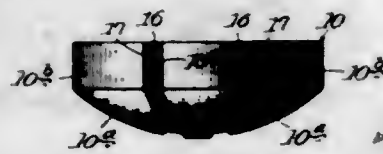
1,735,465. LIQUID-SOAP-DISPENSING DEVICE. LOUIS KOOPFESTIN, Astoria, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y., a Corporation of New York. Filed Feb. 8, 1929. Serial No. 338,481. 2 Claims. (Cl. 221-94.)



1. In liquid soap dispensing apparatus a valve casing formed with an annular flanged seat provided with soap apertures and with a threaded aperture, in combination with a bowl having an upper neck opening adapted to be closed by a filler cap and a lower relatively shallow neck,

an annular retaining cup cemented upon the last named neck and having a soap aperture adapted to lie in register with the aperture of said seat and provided with a screw aperture, and a holding screw for securing the retaining cup to said seat, the screw being in vertical alignment with the filler neck opening.

1,735,466. PACKING. JOHN LE MAY, Aurora, Ill., assignor to Aurora Metal Company, Aurora, Ill., a Corporation of Illinois. Filed Sept. 10, 1928. Serial No. 305,011. 2 Claims. (Cl. 288-3.)



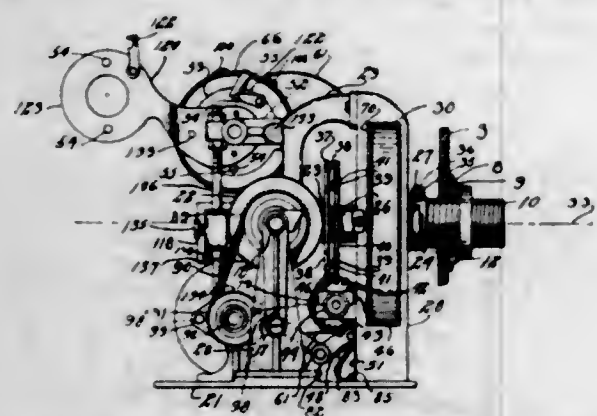
1. A packing including an overlapped segment, and an overlapping segment having curved contacting surfaces, the end of the overlapping segment being wedge-shaped and adapted to advance over the surface of the overlapped segment in use of the packing, and a protuberance on the outer surface of the overlapped segment lying in front of said advancing edge and spaced therefrom, the outer surface of said protuberance adapted to bear against the wall of a retaining cup to prevent longitudinal tipping or rocking of the overlapped segment.

1,735,467. METHOD OF MAKING HATS AND THE PRODUCT THEREOF. CLARENCE LIPPER, Philadelphia, Pa., assignor to The Lipper Manufacturing Co., Inc., a Corporation of Pennsylvania. Filed June 6, 1929. Serial No. 368,752. 14 Claims. (Cl. 139-48.)



1. The method of making hats or the like, which consists in weaving a generally tubular body with varying number of warp threads interlaced with the weft, and crowding the interlaced warp threads over suitable area.

1,735,468. MOTION-PICTURE APPARATUS. ALBERT M. MAYLE, Toledo, Ohio. Filed Oct. 18, 1923. Serial No. 669,238. 11 Claims. (Cl. 88-18.2.)



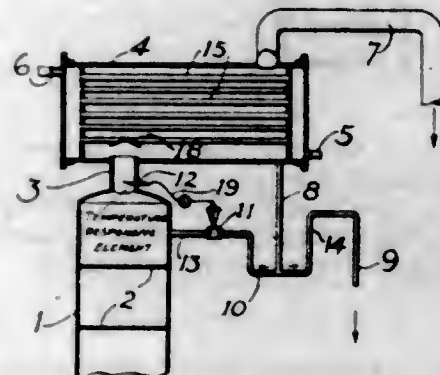
1. A motion picture machine embodying a housing having a light line therein, a continuously rotating driving shaft axially parallel to said light line, an intermittently rotating driven shaft, gear connection therebetween, means for adjusting the shafts for varying the mesh of said gear connection, and a rotary interceptor for said light line actuable from one of said shafts and coaxial with the driving shaft.

1,735,469. TRAVELER FOR TWISTING MACHINES. AMOS MORIN, Danielson, Conn., assignor to Victor Ring Traveler Company, Providence, R. I., a Corporation of Rhode Island. Filed Jan. 12, 1928. Serial No. 246,327. 3 Claims. (Cl. 118-61.)



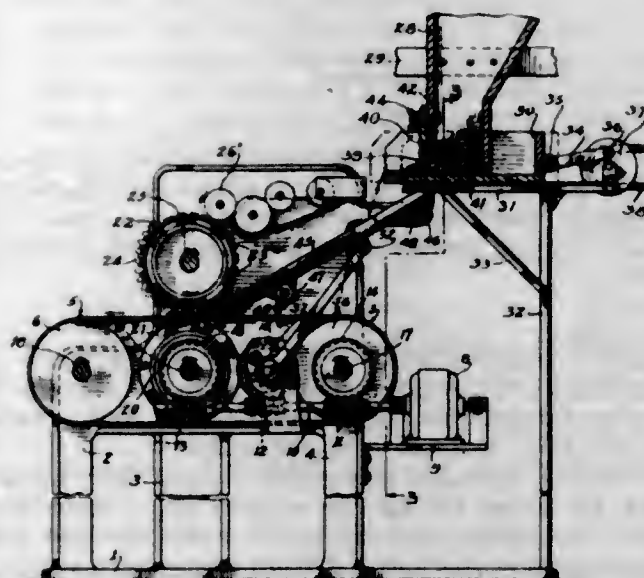
1. A traveler for ring twisting adapted to run in a vertical position about its ring, the same comprising relatively wide hook-shaped end portions, and a relatively narrow and substantially straight shank portion connecting said wide end portions, the inner surface of said traveler being convex.

1,735,470. AUTOMATIC REGULATION OF REFLUX IN FRACTIONATING TOWERS. HENRY M. NOEL, Elizabeth, N. J., assignor to Standard Oil Development Company, a Corporation of Delaware. Filed Sept. 21, 1925. Serial No. 57,606. 3 Claims. (Cl. 196-141.)



2. An apparatus for rectifying vapors comprising the combination of a tower, cooling means in conjunction with said tower, a reflux line for removing the condensate produced by said cooling means, a branch pipe leading from said reflux line to said tower, a valve in said branch pipe, and a heat responsive element in the vapor outlet from said tower whereby said valve is operated automatically to control the amount of condensate returned to the tower.

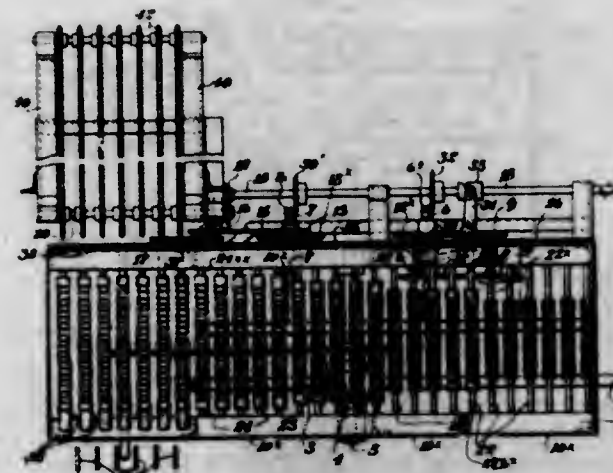
1,735,471. PEANUT-BRANDING MACHINE. AMEDEO OBICI, Drivers, Va. Filed Oct. 16, 1923. Serial No. 312,905. 3 Claims. (Cl. 101-37.)



1. The combination with a hopper having the bottom end thereof open, a trough slidable under said end, means

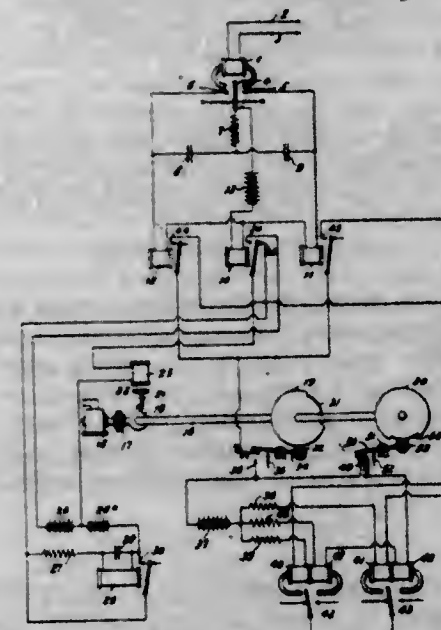
for reciprocating said trough to discharge articles from said hopper, a chute having one end thereof positioned under the bottom of said trough, a support, a belt of soft material movable in one direction under the other end of said chute and closely adjacent thereto, a pair of rollers having surfaces of soft material and rotatably mounted on said support and on opposite sides of said belt, one of said rollers being in bearing contact with the under side of said belt, and the other roller being spaced above said belt a sufficient distance to make yielding contact with articles fed thereunder by said belt, and means on the last named roller to mark the articles passed thereunder.

1,735,472. SPREADER FEED FOR PLASTIC STRIPS. PHILIP M. O'NEILL and AURELIO J. SIMEONE, Corona, N. Y., assignors to American Chile Company, Long Island City, N. Y., a Corporation of New York. Filed Apr. 25, 1928. Serial No. 272,842. 7 Claims. (Cl. 198-20.)



1. Feeding and separating means for plastic pencils comprising a plurality of rolls each having pencil receiving channels, and means for driving the said rolls, the channels of successive rolls being laterally offset, as and for the purpose set forth.

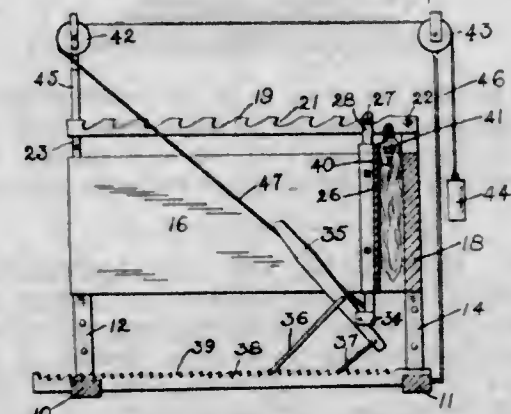
1,735,473. ELECTRICAL SYSTEM. NELSON J. PERRYMAN, Montclair, N. J., assignor to All America Cables, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1924. Serial No. 738,863. 5 Claims. (Cl. 178-70.)



1. A device of the character described comprising, in combination, a timing mechanism, means responsive to a received impulse for starting said timing mechanism at the

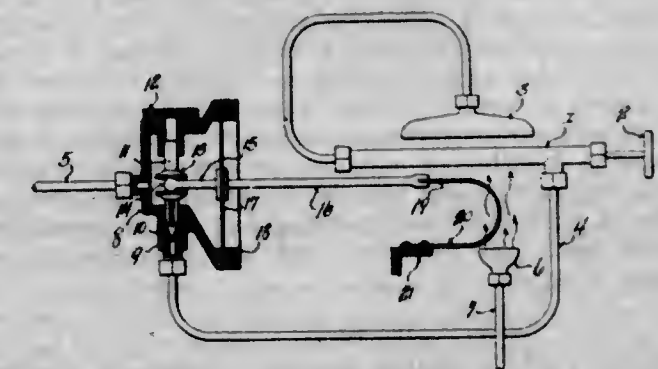
beginning of each received impulse, a selecting means, means to render said selecting means effective a predetermined time after the commencement of the signal impulse, means operated by the timing mechanism, and controlled by the selecting mechanism for transmitting a signal impulse, and means for independently controlling the time of starting and stopping said signal impulse.

1,735,474. TOBACCO PRESS. LOUIS PFEFFER, Maysville, Ky., assignor to Pfeffer Press Company, Incorporated, Maysville, Ky. Filed Feb. 10, 1926. Serial No. 87,279. 2 Claims. (Cl. 100-6.)



1. In a device of the class described, spaced side walls, a back connecting said walls, bars extending parallel to said walls, a pressing element supported from said bars, a notched bar extending below said walls and a jacking mechanism carried by said element cooperating with said notched bar.

1,735,475. TEMPERATURE-ACTUATED AUTOMATIC CONTROL VALVE. JOSEPH SLADKY and ALEXANDER C. SLADKY, Milwaukee, Wis., assignors to National Enameling & Stamping Co., Inc., Milwaukee, Wis. Filed Oct. 8, 1928. Serial No. 311,231. 4 Claims. (Cl. 158-53.)

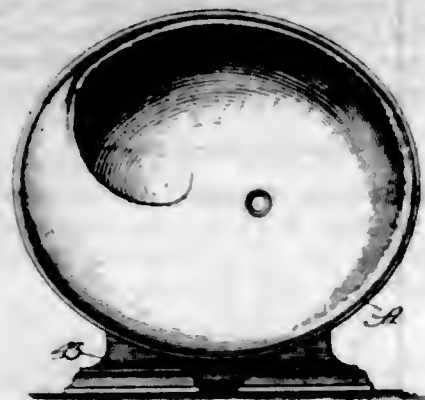


1. In a device of the class described, the combination of a generator tube, a burner connected to said tube, means for supplying fuel to said tube, a valve for controlling the supply of fuel, a lever having one end connected to said valve, a diaphragm pivotally supporting said lever intermediate its ends, and a thermostatic member mounted adjacent said tube and connected to the other end of said lever.

1,735,476. ACOUSTIC HORN AND METHOD OF AND APPARATUS FOR MAKING THE SAME. JOHN McWILLIAMS STONE, Chicago, Ill., assignor to Operadio Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 22, 1927. Serial No. 221,292. 1 Claim. (Cl. 18-59.)

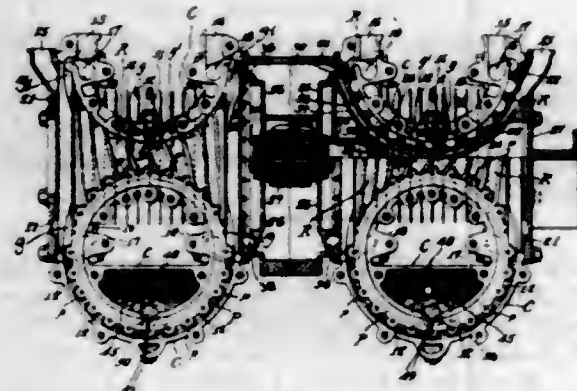
The method of making a loud speaker horn including; forming an open ended drum of sheet metal; deforming said drum out of its cylindrical shape by suitable shaping

means and temporarily holding said drum in said deformed shape by said shaping means; casting a loud speaker horn in said drum, allowing the same to harden while so tem-



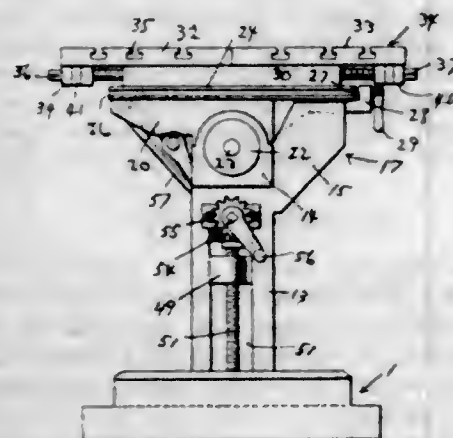
porarily holding the drum in its deformed shape; and removing the shaping means, permitting the drum to remain on the casting as a part of the loud speaker horn and permanently held in its deformed shape by said casting.

1,735,477. METHOD OF AND APPARATUS FOR COMPRESSING AND EXPANDING ELASTIC FLUIDS. KENNETH E. STUART, Merion, Pa., assignor to The Stuart Research Engineering Corporation, Newark, N. J., a Corporation of Delaware. Filed June 16, 1922. Serial No. 568,780. 47 Claims. (Cl. 123-13.)



1. An internal combustion motor comprising a rotor having a groove, a relatively stationary casing member forming a wall of said groove, rotary structure co-acting with said rotor and its groove to intercept a portion of said groove to form a chamber whose volume progressively diminishes and then increases, means for delivering to said chamber a combustible mixture for compression therein, means for igniting said mixture in said chamber after decrease in volume of said chamber, and means permitting exhaust from said chamber after said chamber has increased in volume.

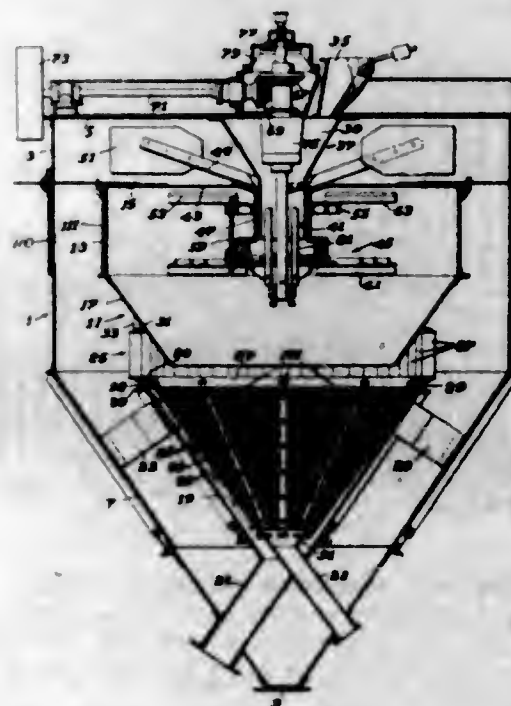
1,735,478. DRILL-PRESS TABLE. ROBERT E. STUBBS, Duluth, Minn. Filed May 10, 1927. Serial No. 190,216. 1 Claim. (Cl. 77-63.)



In a drill press table, a base, a pedestal extending upwardly therefrom, a pair of vertically disposed and spaced

plates, an offset at the upper end of the said plates, the cross member connecting said plates at the extremities of said offset, a slide block between said plates, means for moving said blocks vertically, an elongated block, an arm pivoted at one end to one of the vertical plates, and at its opposite end to one end of said elongated block, the opposite ends of said elongated plates being adapted to rest upon said cross member when disposed in horizontal plane, a pivotal link connection between said elongated block and said slide block, and a table top for disposition upon said elongated block.

1,735,479. AIR SEPARATOR. THOMAS J. STURTEVANT, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 4, 1928. Serial No. 251,860. 7 Claims. (Cl. 209-21.)



4. A separator for grading materials comprising, in combination, outer and inner casings having a settling chamber between them, said inner casing having a separating chamber therein, said inner casing having upper and lower shells spaced to provide a passage between the settling and separating chambers, a screen wall in the lower shell directly beneath said passage, and means to cause air to circulate and whirl down in the settling chamber, through said passage, whirl tangentially along the upper surface of the screen wall and up in the separating chamber, said upper shell being formed to deflect the whirling air downward over the screen wall, and the latter being adapted to separate the tailings leaving the separating chamber into two products.

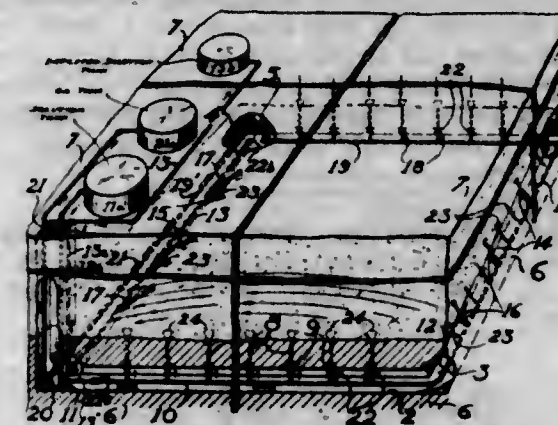
1,735,480. CLEANING COMPOUND. JOSEF TALALAY and WILHELM HOLZBERG, Berlin, Germany, assignors to Felix Pfeffer, New York, N. Y. Filed Aug. 18, 1925. Serial No. 51,044. 7 Claims. (Cl. 87-5.)

3. A type cleaner comprising a plastic cake formed of a mechanical mixture of powdered calcium carbonate, plastic rubber, factice, a heavy mineral filler, lithopone, and a mineral oil.

1,735,481. FLOODING METHOD FOR RECOVERING OIL. LESTER C. UREN, Berkeley, Calif., assignor to Standard Oil Development Company, a Corporation of Delaware. Filed Sept. 17, 1927. Serial No. 220,126. 10 Claims. (Cl. 262-3.)

1. The improvement in flooding methods for recovering oil from an oil-bearing stratum, which comprises forcing a

flooding agent into the stratum, causing the flooding agent to advance through the stratum and adding fresh flooding



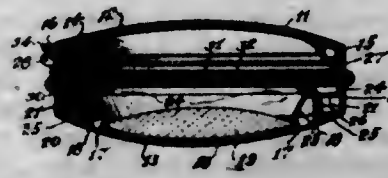
agent at a point in the line of advance remote from the point of origin, whereby the concentration of the advancing flooding agent is substantially maintained.

1,735,482. COSMETIC BOX. WILLIAM E. WACKER, Newark, N. J., assignor to August Goertz & Co., Inc., a Corporation of New Jersey. Filed Aug. 24, 1928. Serial No. 801,753. 6 Claims. (Cl. 132-83.)



1. In a vanity case, in combination, a body section having a peripheral flange extending from one face thereof to define a casing interior and a frame having flange like sides adapted to fit within the flange of said body section, said frame having a central opening about which extends a channeled flange adapted to spring and yield to the reception or displacement of an article having the same general contour as the bottom of the channel of said channeled flange.

1,735,483. COSMETIC BOX. WILLIAM E. WACKER, Newark, N. J., assignor to August Goertz & Co., Inc., a Corporation of New Jersey. Filed Oct. 19, 1928. Serial No. 313,457. 4 Claims. (Cl. 132-83.)

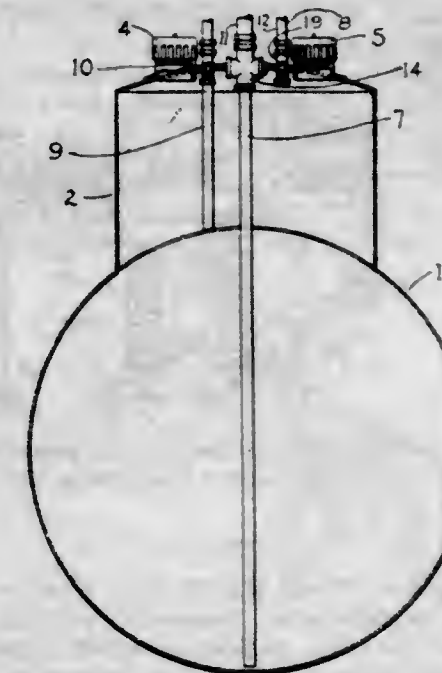


1. In a vanity case, a section having a peripheral flange at one side thereof, inwardly extending projections formed on said peripheral flange, a frame member having a main portion conforming to the interior of said peripheral flange, said projections engaging said main portion to retain said frame member within said section, said frame member having a central opening and a flange surrounding said opening, said flange serving to frictionally engage an article positioned within said opening to thereby retain such article within said section, and a mirror hingedly connected to said frame member, said mirror being movable either outwardly of said section or inwardly thereof and in superimposed relation to said frame member.

1,735,484. LOADING TANK CARS AND THE LIKE. HARRY C. WISS, Houston, Tex., assignor to Humble Oil & Refining Company, Houston, Tex., a Corporation of Texas. Filed May 7, 1925. Serial No. 28,563. 3 Claims. (Cl. 220-86.)

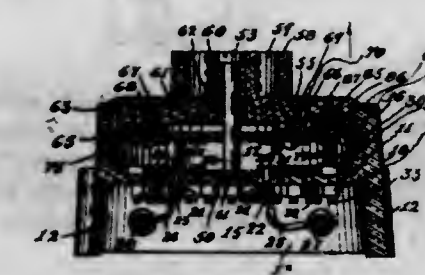
1. In a liquid receptacle of the type comprising a body portion and an expansion dome connected thereto, a charg-

ing pipe and a gas vent fitted in said dome, a bottom draw-off valve in the body portion and a bottom-valve actuating



rod fitted in the dome and extending to the exterior of the same, whereby it may be actuated without removing the dome.

1,735,485. SELECTIVE PYROMETER READING SWITCH. EDWARD WILLIAMS, Pelham, N. Y., assignor to Wilson-Maculen Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 12, 1928. Serial No. 246,282. 17 Claims. (Cl. 200-11.)



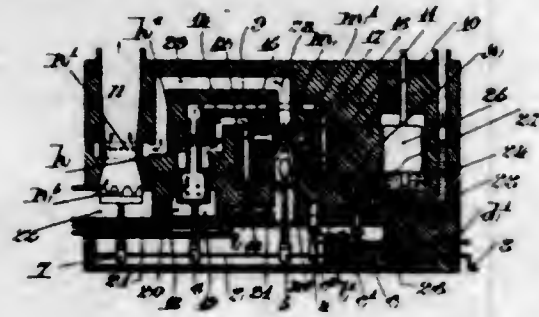
1. In combination, a pair of contact rings; a pair of annular series of closely spaced contact segments; a dial rotative coaxially with said rings and series; a pair of marginal lugs on the inner face of the dial; a pair of contact brushes on each lug each comprising a pair of U-shaped contact plates carried one above the other on the lug, each plate comprising a yoke secured to the lug and a pair of long thin parallel arms disposed, in the same direction from the yoke, across the disk parallel to the disk; adjacent arms having their ends independently movable and slightly spaced and turned away from the dial at right angles to the dial to form contact ends; each adjacent pair of contact plates engaging one ring and one segment series only, the other pair engaging the other ring and series only; one pair of adjacent arms of each pair of registering plates pointing toward the yoke of, and lying between the arms of, the other pair of registering plates.

1,735,486. PROCESS FOR THE TREATMENT OF HYDROCARBONS. PHILIP L. YOUNG, Elizabeth, N. J., assignor to Standard Oil Development Company, a Corporation of Delaware. Filed Aug. 4, 1928. Serial No. 297,428. 6 Claims. (Cl. 260-156.)

1. In the process for obtaining liquid oxygen-containing derivatives from hydrocarbons by direct oxidation, the

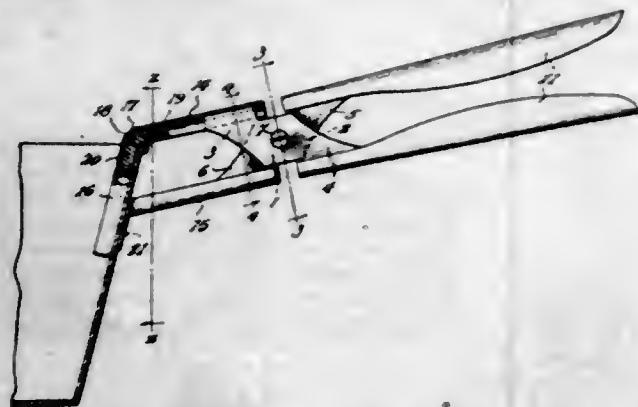
a refrigerant compressor; a high pressure refrigerant line leading from the compressor to each compartment coil to circulate refrigerant thereto; a low pressure refrigerant line leading from each compartment coil to the compressor to return refrigerant thereto; a temperature responsive device in each compartment; means operable by each temperature responsive device to automatically regulate the volume of refrigerant that passes from the high pressure line into each coil to maintain the temperature in the respective compartments above a selected minimum temperature and to connect or disconnect the individual compartment coils to the high pressure line as the temperature in the different compartments rises or falls below the selected low temperature; and means operable by each temperature responsive device to stop the compressor motor when the temperature in all compartments falls below the selected temperature, a by-pass connecting discharge and intake sides of the compressor; and means in said by-pass responsive to the pressure on the discharge side of the compressor for permitting the passage of refrigerant from the discharge side of the compressor to the intake side thereof, to maintain the volume of refrigerant to the compressor substantially constant.

1,735,499. CARBURETOR. ANTOINE GUIN, Lyon, France. Filed Dec. 10, 1924. Serial No. 755,096. and in France Dec. 12, 1923. 2 Claims. (Cl. 261-45.)



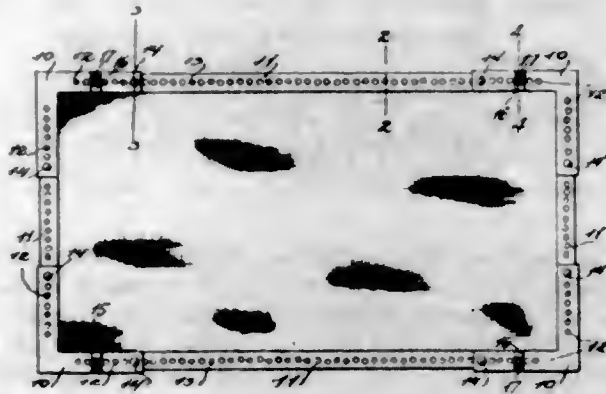
1. A carburetor having a well for reserve fuel, means for making a mixture, a duct leading from the upper side of said well to said mixture making means, air compressing means and a duct leading from said air compressing means to said reserve fuel well so that fuel is forced from the said well to the mixture making means when the air compressing means is operated, said carburetor also having a primary well to supply fuel to the mixture making means, a duct leading from said primary well to the well for reserve fuel and a projection in said duct forming a mechanical obstacle to the return of fuel to said primary well when the carburetor is started in operation.

1,735,500. PAN LIFTER. MARY HALSTED, Ormond, Fla. Filed Sept. 5, 1928. Serial No. 303,995. 2 Claims. (Cl. 294-31.)



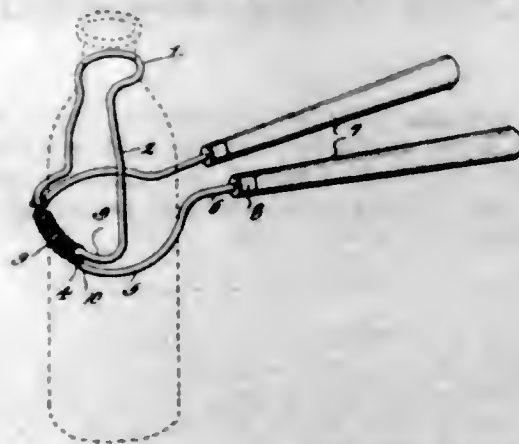
1. A pan lifter comprising a pair of plates, a bolt pivotally connecting the plates, a sleeve engaged upon the bolt and interposed between the plates, said plates having front and rear extensions carried thereby, handles fixed to the rear extensions, and shanks secured to the front extensions, said shanks having jaws upon their forward ends.

1,735,501. ADJUSTABLE METAL WINDOW SCREEN. PAUL J. A. HAMMILL, Hamilton, Ontario, Canada, assignor of one-third to Ira Green and one-third to Victor P. H. Green, Hamilton, Canada. Filed Oct. 13, 1928. Serial No. 312,371. 2 Claims. (Cl. 156-14.)



2. In an adjustable screen frame, a set of corner pieces having angularly disposed arms of channel cross section, extension pieces connecting the corner pieces by twos and having their ends slidable in said corner pieces, said extension pieces being of channel cross section, the channels formed by the extension and corner pieces having their flanges inclined toward each other to form contracted mouths and preventing lateral disengagement of the extension pieces from the corner pieces, said corner and extension pieces being provided with spaced bolt openings for selective registration as the frame is adjusted, and bolts passing through the registering openings to hold the frame in adjusted position; in combination with a screen web having its edge portions fitting between the flanges of the channels and clamped thereby by the action of said bolts.

1,735,502. BOTTLE-HANDLING DEVICE. EDWIN JAMES HARRIS, Kansas City, Mo. Filed Jan. 17, 1928. Serial No. 247,381. 7 Claims. (Cl. 294-33.)

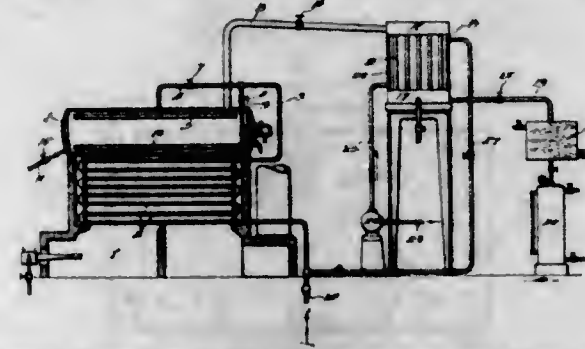


1. A device for manually handling bottles in the sterilization thereof comprising body-embracing members, a neck-embracing member connecting the body-embracing members, and handles extending from the body-embracing members.

1,735,503. PROCESS FOR MAKING ASPHALT. LESTER KIRSCHBAUM, Chicago, Ill., assignor of one-half to Frank L. Belknap, Chicago, Ill. Filed Jan. 27, 1928. Serial No. 615,238. 2 Claims. (Cl. 190-74.)

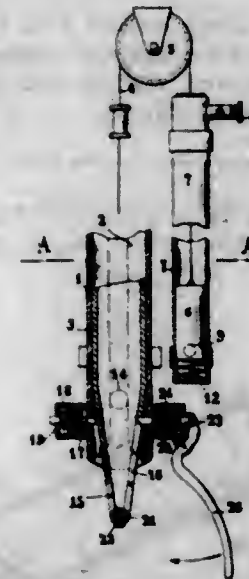
2. A process of producing asphalt comprising mixing petroleum residuum and steam, leading the mixture through a path of narrow cross section, gradually elevating the temperature of the flowing mixture whereby to superheat the steam and cause intimate contact of the

residuum therewith, maintaining a bulk supply of liquid end product, continuously introducing the mixture from said path to said bulk supply in a plurality of jets below



the liquid level thereof and there separating the volatile constituents from the liquid end product while subjecting the said bulk supply to agitation, and separately withdrawing the steam reduced asphalt from said bulk supply.

1,735,504. DISTRIBUTING DEVICE. JACK RAYMOND LEVY, Paris, France, assignor to Société en Commandite par Actions Oscar Lévy, ses Filis & Cie. (Société des Chaussures Cecil), Paris, France. Filed Feb. 9, 1927. Serial No. 167,063, and in France Sept. 22, 1926. 5 Claims. (Cl. 186-2.)



1. A distributor element comprising in combination movable members provided with members for the attachment of the articles to be distributed, guiding means for the displacement of said movable members, means for slackening the speed of fall of the said movable members comprising the combination of a grooved pulley, a cord passing over said pulley supporting a hook for said movable members and, a cylindrical counterpoise movable, after the manner of a piston in a cylinder, in a cylindrical tube provided at its ends with regulating valves.

1,735,505. STAND. ALFRED MARCHNY, Chicago, Ill., assignor to Temple, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 13, 1927. Serial No. 225,975. 1 Claim. (Cl. 211-182.)



A stand for holding an object, said stand comprising spaced straps upon which said objects rests, the outer ends

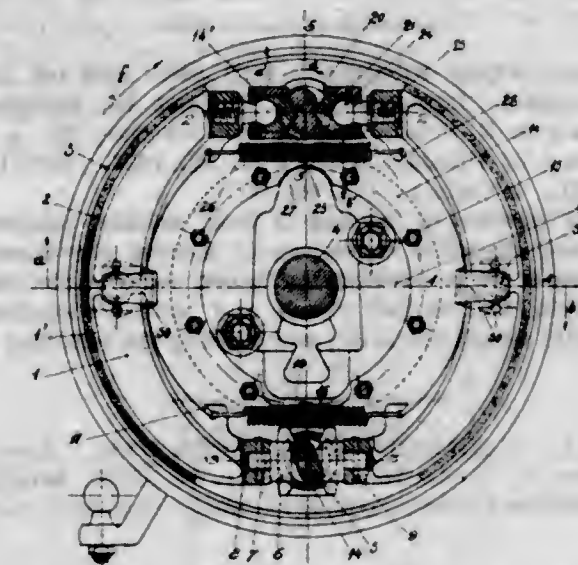
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of said straps being bent downwardly to provide feet, means rigidly connecting the straps to each other, a pair of resilient members rigidly secured to each of said straps and engageable with said object to secure said straps thereto

1,735,506. CARBONACEOUS BRIQUETTE AND PROCESS OF MAKING THE SAME. HUGH F. RIPPY, GLENN DAVIDSON, CHARLES N. CONE, IRVING F. LAUCKS, and HARRY P. BARKS, Seattle, Wash. Filed May 3, 1926. Serial No. 106,550. 6 Claims. (Cl. 44-16.)

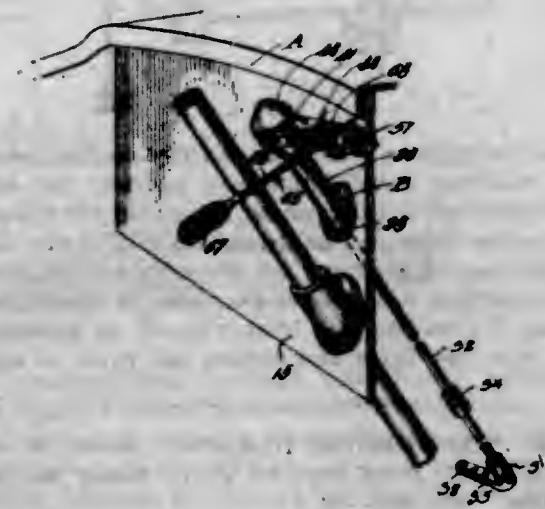
1. As a new article of manufacture, a briquette composed of carbonaceous material, which is held together by a binder, which binder embodies soya bean flour dispersed with caustic soda.

1,735,507. BRAKE FOR MOTOR-VEHICLE WHEELS. LOUIS ROUANET, Ivry-Port, France, assignor to Compagnie d'Applications Mécaniques, Ivry-Port, France, a French Company. Filed Jan. 12, 1925. Serial No. 1,997, and in France Jan. 23, 1924. 7 Claims. (Cl. 188-79.5.)



1. A brake arrangement for the wheels of motor and like vehicles, comprising a brake drum, brake shoes mounted inside the drum, an operating cam and an adjusting member for said brake shoes, cam shaped surfaces on the adjusting member, bearing members mounted at the ends of the brake shoes adjacent to the adjusting member, plungers with recesses formed therein to receive said bearing members, guides for said plungers and means for constantly applying said plungers against the cam shaped surfaces of the adjusting member.

1,735,508. KNEE-OPERATED THROTTLE CONTROL. WILLIAM E. SEPPMAN, Lake Crystal, Minn. Filed Dec. 28, 1927. Serial No. 243,003. 6 Claims. (Cl. 74-51.)



1. A knee operated throttle control device for motor vehicles comprising a post, a rock shaft rotatably carried

by the post, means carried by the rock shaft for engagement with the throttle valve of an internal combustion engine, a crank connected with the rock shaft for movement therewith, an eccentrically disposed pin carried by the post, a knee operated lever pivotally associated with the crank, and a link operatively connecting the inner end of the knee lever to said pin.

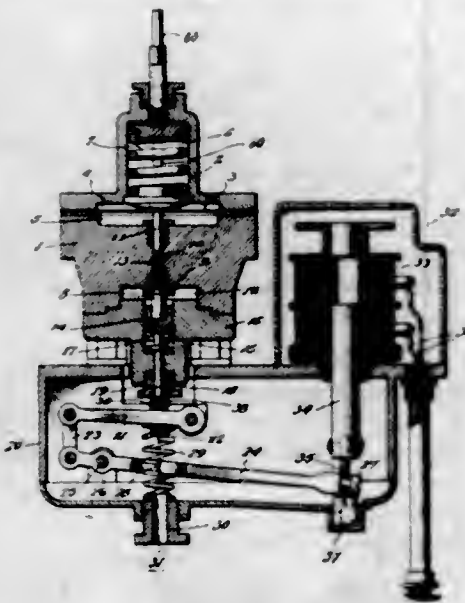
1,735,509. PROCESS FOR FORMING AN ELECTRICAL-INSULATING AND ANTICORROSIVE OXIDE COATING ON ALUMINUM MATERIAL. SHOJI SETOH, Tokyo, and SAKAKI UEKI, deceased, Oaza, Japan, by Uno Ueki, Oaza, Japan, administratrix, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Filed Oct. 22, 1926, Serial No. 143,528, and in Japan Oct. 30, 1925. 2 Claims. (Cl. 204—1.)

1. The process of forming an electrically insulating and anti-corrosive oxide coating on aluminum material which comprises simultaneously electrolyzing a solution containing an oxalic acid compound with alternating and direct current employing aluminum material as the positive electrode and electric conducting material as the negative electrode for the direct current.

1,735,510. FOOD PRODUCT AND PROCESS OF MAKING SAME. LOUIS SHOSTAK, Chicago, Ill., assignor of one-half to F. Peter Dengler, Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 19, 1927. Serial No. 169,676. 2 Claims. (Cl. 90—11.)

1. The process of making a food product comprising cheese and chocolate consisting of melting the cheese in the presence of an emulsifying agent, melting the chocolate, mixing the melted cheese and melted chocolate to thoroughly mingle the same, and molding the resulting mixture.

1,735,511. VALVE-CLOSING MECHANISM. JOHN L. SHRODE, St. Louis, Mo. Filed Jan. 17, 1928. Serial No. 247,434. 6 Claims. (Cl. 137—139.)

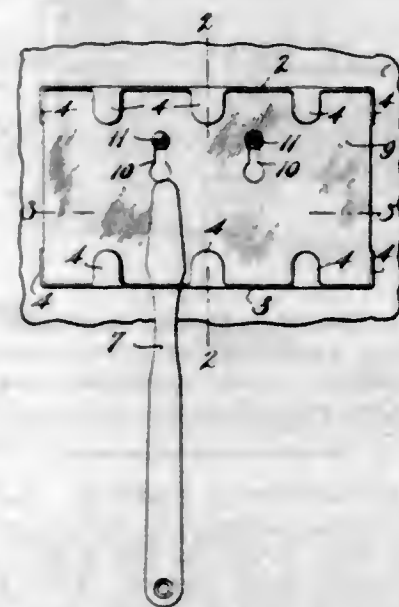


1. The combination with an upwardly seating valve, of a plunger exerting upward pressure against the valve, a lever mounted below the plunger, a support for the plunger carried by the lever and adjustable axially of the plunger, a spring acting on the lever for normally holding the lever in raised position to maintain the valve in closed position and means for rocking the lever whereby to withdraw the support from the valve and permit the valve to open.

1,735,512. TOOTHBRUSH HOLDER. HENRY M. SIEGEL, Malden, Mass. Filed Sept. 10, 1927. Serial No. 218,592. 2 Claims. (Cl. 248—63.)

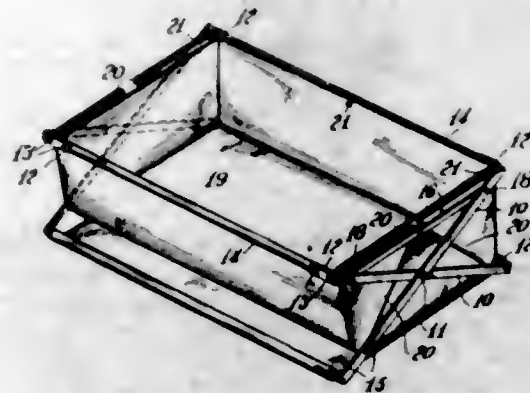
1. A tooth-brush holder composed of bendable material bent to form a back, top, and substantially horizontal bot-

tom, the bottom having an opening through which the head of a tooth brush may be introduced from below, and formed with a notch to receive the neck below such head, and



both top and bottom being formed with vertical marginal flanges, and a front of transparent material confined between said top and bottom, resting upon said bottom, and retained by said marginal flanges.

1,735,513. COLLAPSIBLE FURNITURE. CHARLES E. STALTER, Haslett, Mich. Filed July 9, 1927. Serial No. 204,464. 4 Claims. (Cl. 4—177.)



1. A device of the class described comprising a collapsible frame, said frame consisting of two end bars pivoted to each other centrally at each end of said frame, side bars connecting the ends of each set of end bars with the ends of the bars of the other set, a flexible sheet connecting the said side bars at the bottom of said frame, and foldable links connecting the upper portions of each pair of end bars; and a tub member made of a sheet of flexible waterproof material foldable into vessel form and insertable in said frame.

1,735,514. TOWEL CABINET. GEORGE ADOLPH STEINER, Salt Lake City, Utah, assignor to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Mar. 16, 1925. Serial No. 15,883. 6 Claims. (Cl. 312—38.)

1. A towel cabinet comprising a casing and clean and soiled towel rolls mounted therein, feed rolls having a driving connection mounted to engage said clean and soiled towel rolls, a side wall of said casing having openings therein through which said feed rolls are movable end-

wise, and said side wall having a recess between said openings adapted to receive the driving connection between



said feed rolls, and removable means for normally covering said openings and said recess, said means providing a mounting for the adjacent ends of the feed rolls.

1,735,515. TOWEL CABINET. FRANK M. STEINER, Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Jan. 13, 1927. Serial No. 160,965. 5 Claims. (Cl. 312—38.)

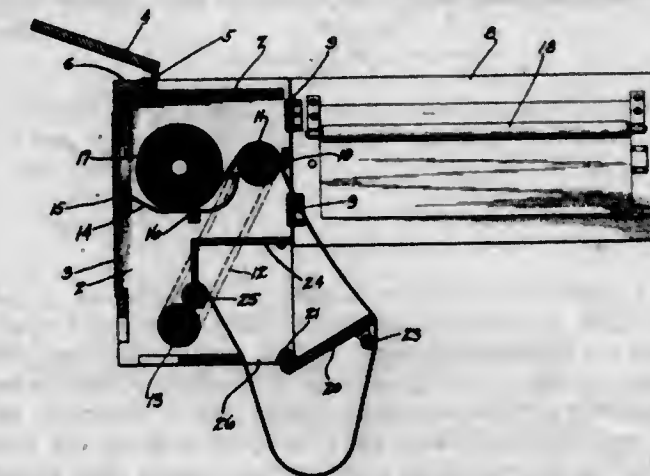


1. A towel cabinet having means to support a supply of clean towel therein, a feed roll over which a web of clean towel may be stretched for delivery to the user, a trough having a concave inner surface and also having openings therein and whereto the loose end of the towel web is delivered to lie thereon and means geared to said feed roll and operating through said trough and engaging the web of towel to move it on said concave surface and wind it into a roll.

1,735,516. TOWEL CABINET. GEORGE ADOLPH STEINER, Salt Lake City, Utah, assignor to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Apr. 26, 1928. Serial No. 272,988. 9 Claims. (Cl. 312—38.)

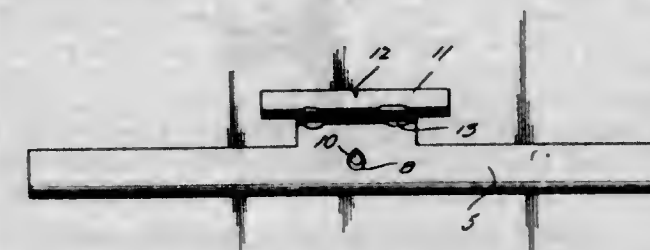
1. A towel cabinet having side walls, a clean towel chamber in the upper portion and a soiled towel chamber

in the lower portion, a partition separating said chambers, said partition adapted to support the clean towel supply, a take-up roll for the soiled towel, said side walls having substantially vertical guides below said partition, said take-up roll being adapted to move vertically in said



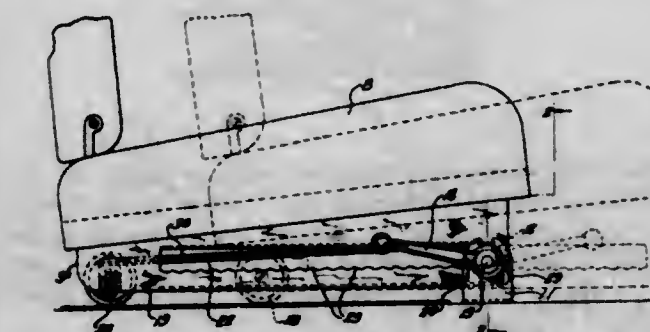
guides as the soiled web accumulates thereon and said partition being sufficiently near to said roll to rest thereon and yield vertically as the diameter of the roll increases and temporarily increase the height of said soiled towel chamber and allow the convenient removal of the loaded take-up roll.

1,735,517. BALANCE INDICATOR FOR GOLF CLUBS. ZEBULON S. TAYLOR, New York, N. Y. Filed Jan. 9, 1928. Serial No. 245,477. 3 Claims. (Cl. 265—1.)



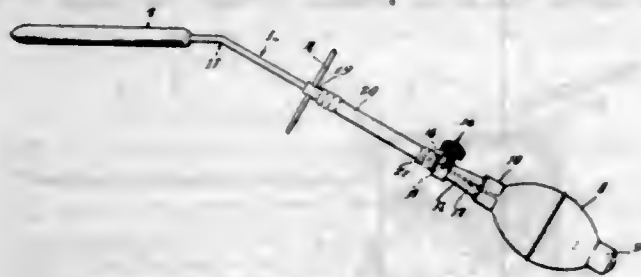
1. A device of the class described comprising a plurality of article holders arranged in superimposed relation and providing individual supports one of said supports being adapted for supporting a pair of articles at their opposite ends and means for supporting the holders in balanced position intermediate their ends.

1,735,518. VEHICLE SEAT. HERMAN L. VAN VALKENBURG and SWIFT MILLER, Wauwatosa, Wis., assignors to The Paralock Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 3, 1927. Serial No. 158,669. 12 Claims. (Cl. 155—14.)



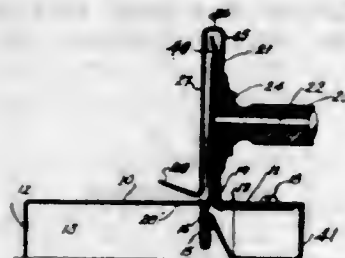
1. A longitudinally movable vehicle seat, comprising a fixed bracket member, a frame portion slidably and pivotally connected directly therewith, a parallel motion mechanism connected with the bracket member and with the frame portion, and means for locking the frame portion in positions of longitudinal adjustment with respect to the bracket member.

1,735,519. PHYSICIAN'S DILATOR. ARLYN T. VANCE, Los Angeles, Calif. Filed July 17, 1926, Serial No. 123,034. Renewed Mar. 27, 1929. 3 Claims. (Cl. 128—344.)



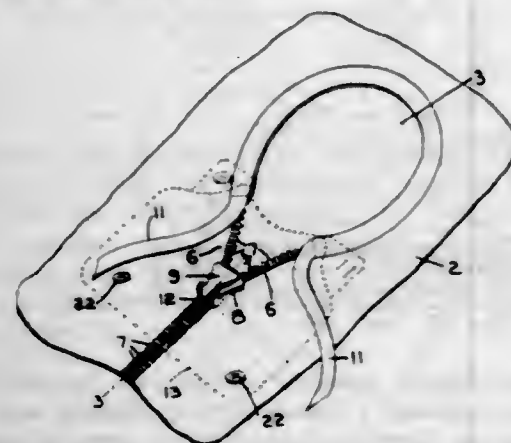
1. A physician's dilator having in combination, a tubular stem, an expandable dilator body of tubular form, having its outer end secured to the end of the stem and having a flexible wall graduated in thickness, and having its thinnest portion toward the outer end of the stem, the inner end of said dilator body being secured to the said stem at an intermediate point on its length, and means for forcing a fluid into the interior of the said dilator body to dilate the same and exert pressure upon the membranes of one's body in contact therewith.

1,735,520. CUTTING OR TRIMMING DEVICE. FRANK M. WILLIAMS, Watertown, N. Y. Filed Dec. 27, 1926, Serial No. 157,017. 7 Claims. (Cl. 164—76.)



1. In a sheet trimming device, a member adapted to receive an edge of the material to be cut, a cutter co-operable with said edge to shear material on said member, a guide member connected to said cutter, a part to receive operating pressure connected to said cutter, and a support for said guide member, said guide member being between said cutter and said part to be operated whereby when pressure is placed on said part to be operated the axis of said cutter is shifted angularly so as to position the advancing edge of said cutter at an angle with respect to said first-mentioned member.

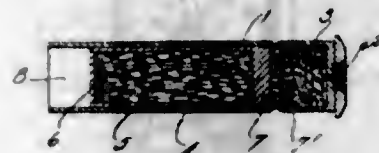
1,735,521. CRIB COVER. WILLIAM D. YOUNG, Newton Center, Mass. Filed Mar. 29, 1928, Serial No. 265,791. 2 Claims. (Cl. 5—384.)



2. A crib cover adapted to be anchored to the crib and having a neck opening located at a point somewhat below the top of said cover and a slit leading from the

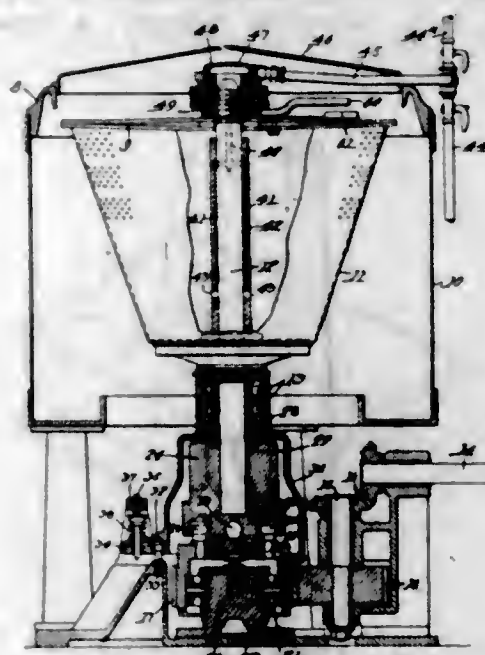
neck opening and of sufficient size to permit an infant to be placed underneath the cover through the slit, a detachable fastening for closing the slit, and a protective flap secured to the inside of the cover adjacent the edge of the neck opening where the slit enters it, said flap being adapted to fold over the edge of the neck opening and enclose the latter where the slit joins it.

1,735,522. TEAR-GAS PROJECTILE. REGINALD J. ALDEN, Fitchburg, Mass. Filed Mar. 16, 1926, Serial No. 95,083. Renewed Apr. 8, 1929. 2 Claims. (Cl. 102—15.)



1. A cartridge comprising a shell provided with a primer and an explosive propelling charge, a projectile comprising a container of inflammable material filled with a temporary disabling agent mainly confined within said shell, said container having an end wall adapted to be ignited by the explosion of said charge and side walls constructed with longitudinal air pockets therein so that said agent is dispersed at a predetermined range when said walls are burned through.

1,735,523. CENTRIFUGAL. LEON J. BARRETT, Worcester, Mass. Filed Feb. 21, 1927, Serial No. 169,532. 8 Claims. (Cl. 210—72.)

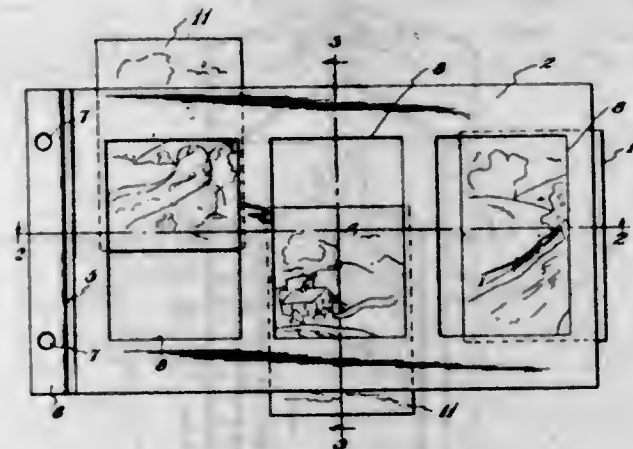


1. In a centrifugal machine, the combination with a vertical shaft and a perforated container fixed thereto near the top thereof, bearings for the shaft separated widely apart, one of them being located at the bottom and the other at a point just below the container, a pivotal support for the shaft located at the bottom of the shaft and in fixed position, a member at the bottom of the shaft fixed with respect thereto having a hemi-spherical bearing for said pivotal support and provided with openings therein extending upwardly from the bottom, and a plurality of studs located in fixed position and projecting up into said openings for receiving the side thrust and limiting the lateral motion of the shaft about said support.

1,735,524. PHOTOGRAPH-ALBUM PAGE. ROBERT B. BUZZARD, Charleston, W. Va. Filed July 28, 1928, Serial No. 295,932. 3 Claims. (Cl. 129—20.)

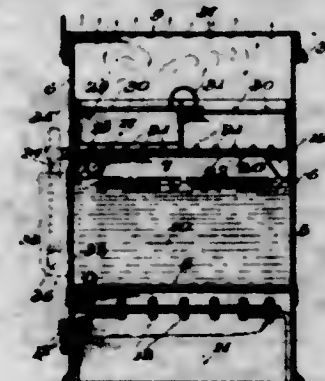
1. A picture collection page comprising a body sheet, facing sheets disposed against opposite faces of said body

sheet and formed with openings constituting sight openings, the facing sheets being adhesively secured to the body sheet to define pockets having the openings communicating therewith and certain portions of the facing sheets being free to permit pictures to be passed into the pockets



and displayed through the openings, and held in place without the use of any adhesive upon the picture, the facing sheets being extended beyond one side edge of the body sheet and formed with fastener-receiving openings whereby pages may be bound together to form an album and the pages turned.

1,735,525. LEATHER-TEMPERING BOX. PARSLEY V. CLACK, Knoxville, Tenn. Filed Sept. 13, 1927, Serial No. 219,343. 2 Claims. (Cl. 12—1.)



1. In a leather-tempering box, the combination of a liquid-containing tank, a rack having a foraminous bottom supported above the surface of the liquid, said rack having means for holding leather strips in a substantially vertical position, means for regulating the temperature of the liquid in the tank, and ventilating means above the rack.

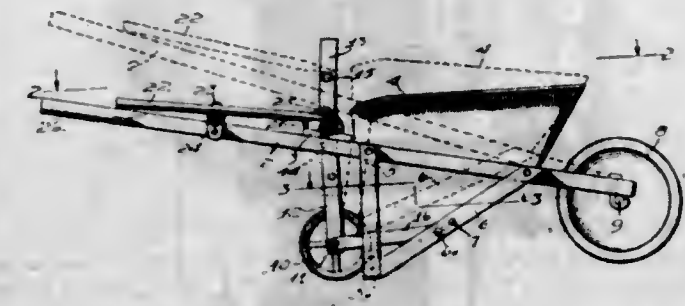
1,735,526. CANNED SLICED APPLES AND PROCESS OF CANNING THE SAME. BURTON C. COONS, Rochester, N. Y., assignor, by mesne assignments, to Coons Apple Corporation, Gates, N. Y., a Corporation of New York. Filed May 23, 1927, Serial No. 198,742. 8 Claims. (Cl. 99—11.)

1. A can of sliced cooked apples solidly packed and free from liquid drain, the pieces having such a proportion of the original air cells that when removed from the can they will float in water, the canned product being substantially permanently-keeping and containing substantially its original flavor.

2. The method of canning sliced apples which consists in treating the apple pieces to heat them throughout their bodies to a temperature at least 160° Fahr., while maintain-

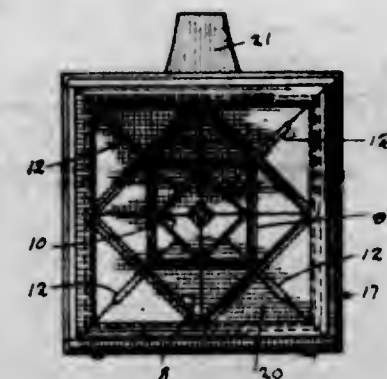
ing such a number of the original air cells in the pieces that the latter will float in water after such heating, sealing the pieces in containers while they are at a temperature not materially below 160° Fahr., without introducing any amount of liquid in the containers that will waterlog the apple pieces, and cooking the pieces in the sealed containers.

1,735,527. WHEELBARROW. JOHN C. WIK, Chicago, Ill. Filed Nov. 7, 1927, Serial No. 231,714. 1 Claim. (Cl. 280—54.)



A wheelbarrow comprising a frame having handle portions a receptacle carried thereby, a front wheel, legs secured to the frame, a post slidably disposed with respect to the frame and being provided with a plurality of openings, an auxiliary wheel carried at the lower end of said post, links pivotally secured to said legs and to the lower end of said post, a lidable locking arm arranged to enter the openings in the post, a spring for forcing the arm toward the post, and a lever pivotally mounted on one of said handles and being pivotally connected to said arm for withdrawing the arm against the tension of the spring to release the post, whereby the position of the auxiliary wheel with respect to the frame may be shifted and the auxiliary wheel locked or unlocked in its shifted position.

1,735,528. LOUD-SPEAKER. ANDREW DELPH, Pottsville, Pa. Filed Dec. 30, 1926, Serial No. 158,049. 7 Claims. (Cl. 181—27.)

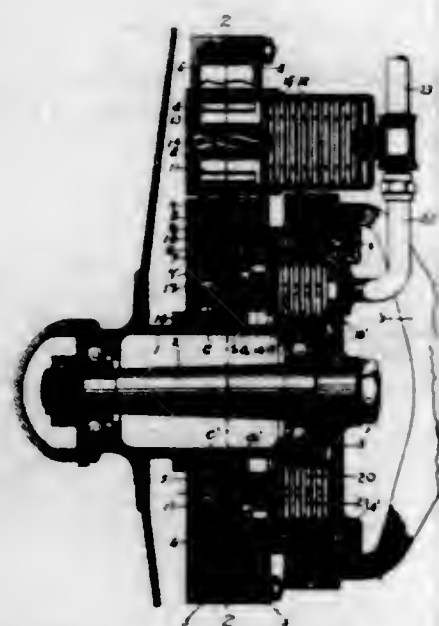


1. A loud speaker comprising nested and relatively spaced inner, outer and intermediate horn members of polygonal formation in cross section and arranged to position the corners of the intermediate member at points between corners of the members.

1,735,529. BRAKE FOR AUTOMOBILES AND OTHER VEHICLES. HARRY EUGENE DEY, East Orange, N. J.; Mary E. Dey executrix of said Harry E. Dey, deceased. Filed Aug. 17, 1926, Serial No. 129,771. 8 Claims. (Cl. 188—90.)

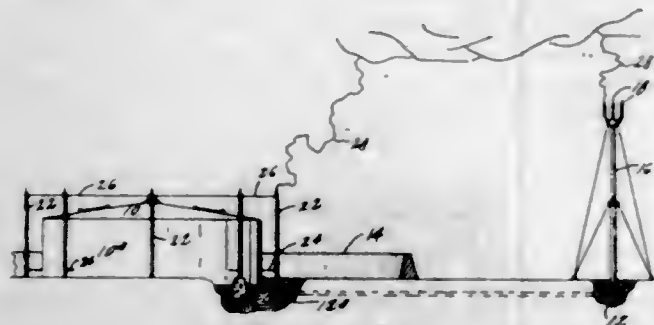
1. A brake, consisting of a pump operating through a closed circuit; a valve in said circuit; means for operating

said valve by the pressure of a fluid; means for creating fluid pressure; a driving member; a clutch for connect-



ing the driving member to the pump; and fluid pressure means for operating said clutch.

1,735,530. SYSTEM FOR PROTECTING PETROLEUM TANKS AND TANK FARMS AGAINST LIGHTNING AND ELECTRICAL SPARKS. WEST DODD, Des Moines, Iowa. Filed May 31, 1927. Serial No. 195,398. 3 Claims. (Cl. 173-31.)

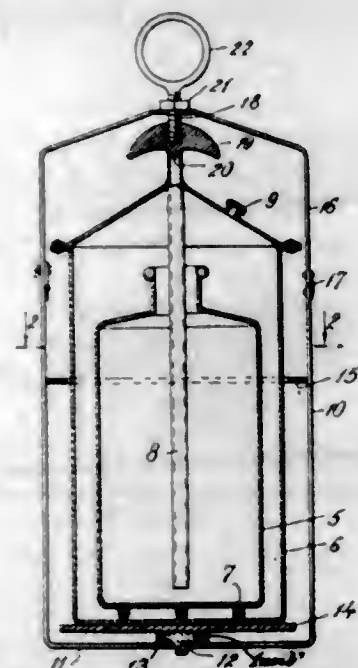


3. In a system for protecting tanks against lightning, the combination with a tank having a roof and side walls of electrically connected conductive material, of a plurality of metallic posts having terminal points spaced from the side wall of the tank, and means for electrically connecting the said posts to the lower edge of the tank only adjacent to the ground or other support for the tank.

1,735,531. FIRE EXTINGUISHER. HOWARD WATERS DOUGHTY, Amherst, Mass. Filed Mar. 22, 1928. Serial No. 263,069. 11 Claims. (Cl. 169-26.)

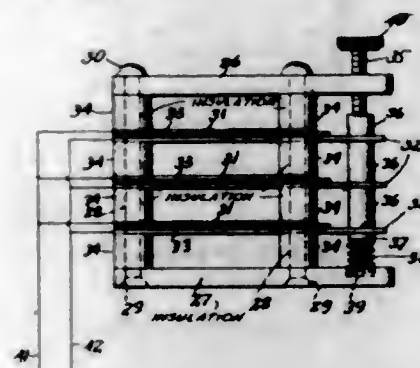
1. In a fire-extinguisher, inner and outer receptacles, a tube extending from the inner receptacle through the wall of the outer receptacle, fusible means supporting the outer

receptacle and means exerting pressure on the fusible means to positively seal the outlet from the tube while the fusible means is intact.



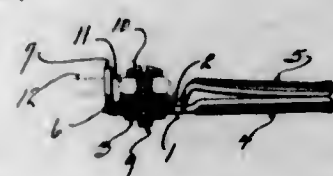
8. A fire extinguisher comprising a receptacle for a fire extinguishing material, a tube extending from said receptacle, fusible means supporting said receptacle and means exerting pressure on the fusible means to positively seal the outlet from the tube while the fusible means is intact.

1,735,532. VARIABLE CONDENSER. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 3, 1924. Serial No. 735,563. 2 Claims. (Cl. 175-41.5.)



1. A condenser comprising a top and bottom, elements of conductive material between said top and bottom and electrically separated from each other, each alternate one of said elements having a projecting end, and a screw mounted in said top to cause pressure to be exerted upon said projecting ends to bend said alternate elements and vary their distances from the other elements to change the capacity of the condenser.

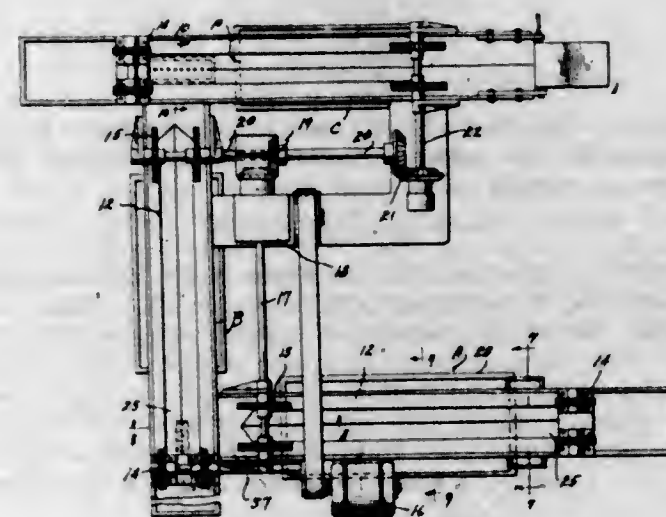
1,735,533. CONTACT FOR ELECTRICAL HEATER PLUGS. JOSEPH PETER EASTMAN, Manitowoc, Wis. Filed Mar. 14, 1927. Serial No. 175,108. 3 Claims. (Cl. 173-332.)



1. A prong receiving contact comprising a pair of clips, means joining said clips, one of said clips having

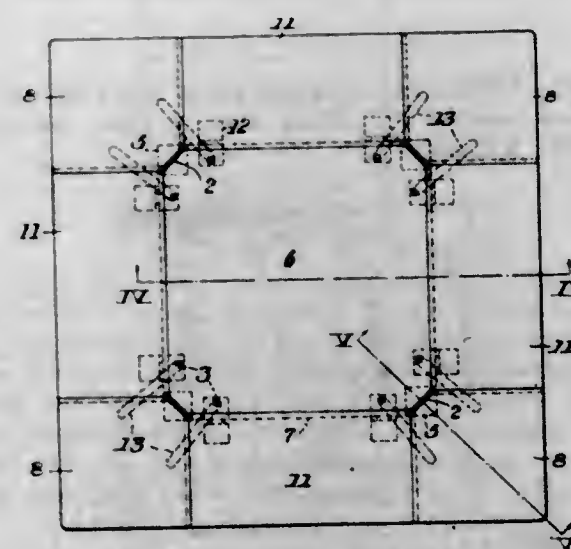
its rear end upturned and provided with a pair of spaced lugs, the other of said clips having its corresponding end in abutting engagement with the upturned end of said first mentioned clip.

1,735,534. APPARATUS FOR COATING BEARINGS OR THE LIKE. CHARLES W. EGGENWEILER and WILLIAM J. FIEGEL, Detroit, Mich., assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 26, 1926. Serial No. 104,755. 18 Claims. (Cl. 91-12.6.)



1. A machine for treating bearings or the like, comprising a plurality of separate units, each consisting of a trough for receiving the bearings and each comprising an endless pedal carrier, pedals carried by the endless carriers for moving the bearings along the troughs respectively, means for moving the endless carriers, and means associated with the troughs of adjacent units adapted to discharge the bearings from the trough of one unit to that of the other.

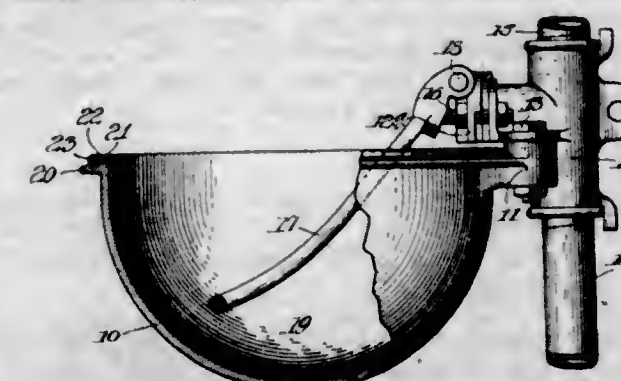
1,735,535. TABLE. HIRAM H. FELDMAN, Pittsburgh, Pa. Filed Feb. 15, 1927. Serial No. 168,329. 6 Claims. (Cl. 45-9.)



5. In combination, a main rectangular top provided with a supporting underframe and beveled at the corners, folding corner sections correspondingly beveled and having

hinge connection with the beveled corners of the main top adapted to lie over thereon, and means for supporting said sections when erected.

1,735,536. WATER BOWL. HOWARD J. FERRIS, Harvard, Ill., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed June 18, 1927. Serial No. 199,776. 6 Claims. (Cl. 119-75.)



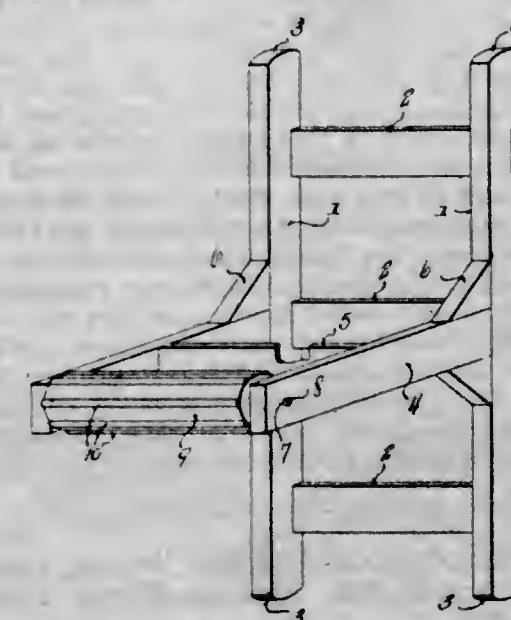
1. In combination a water bowl having a ledge with a bead near the inner edge, means for supplying water to said bowl, and a lining for said bowl having a flange passing over said bead, said ledge extending outside said flange for preventing an animal using said water bowl from raising said lining.

1,735,537. ATTACHING DEVICE FOR DENTURES. HARRY C. HAGMAN, Minneapolis, Minn., assignor to Henry P. Boos, Minneapolis, Minn. Filed Oct. 26, 1927. Serial No. 228,776. 3 Claims. (Cl. 32-12.)



3. In combination with a permanent tooth and a removable denture adjacent thereto and resting upon gum tissue, a member secured to said permanent tooth, a second member secured to said denture and being slidable relative to said first member in a direction toward and from the gum, means for guiding said members throughout the movement thereof, said members being formed with bearing surfaces inclined relative to the direction of movement of said denture, to cause said bearing surfaces to receive the strain imparted to the denture upon occlusion so as to remove the strain from said guiding means.

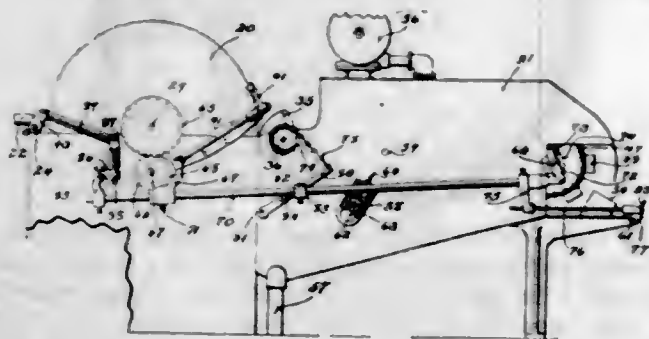
1,735,538. EXERCISING DEVICE. RICHARD BAXTER HALL, Madison, Wis. Filed Jan. 25, 1929. Serial No. 334,972. 3 Claims. (Cl. 272-57.)



1. An exercising device comprising a pair of spaced uprights, means joining said uprights, a pair of outwardly projecting

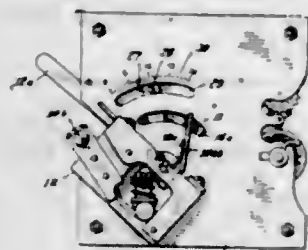
jecting, horizontal arms carried by said uprights, and a roller revolvably mounted between said horizontal arms, said uprights being adapted for rocking back and forth by an operator while standing in front of the device, to thereby cause said roller to roll up and down upon the abdomen of the operator.

1,735,539. MILK-BOTTLE WASHER. HERMANN F. KRAUSE, Menomonee Falls, Wis., assignor to Stout Manufacturing Company, Menomonee Falls, Wis., a Corporation of Wisconsin. Filed May 21, 1926. Serial No. 110,675. 2 Claims. (Cl. 141-7.)



1. In a bottle washing machine, the combination of a soaking tank, a soaking drum projecting downwardly into the tank and having a plurality of pockets for the reception of bottles, a charging platform for the drum, a discharge gate for controlling the discharge of bottles from the drum, a lever connected to the gate, an eccentric at one end of the drum, a cam carried by the eccentric and having operative connection with the lever for operating the gate, means forming operative connection between the eccentric and charging platform for operating the latter and gearing connecting said drum and eccentric.

1,735,540. TIME SWITCH. FREDERICK LUX, Waterbury, Conn., assignor to The Lux Clock Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 19, 1928. Serial No. 271,341. 14 Claims. (Cl. 200-39.)

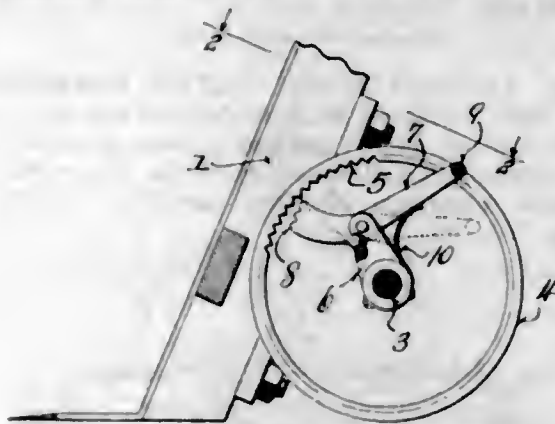


3. In a time switch, a time-keeping mechanism having a main shaft, a spring-actuated switch, a drive lever rotatable on the axis of said main shaft, a catch plate rigidly mounted on said main shaft, an escapement pawl pivoted on said drive lever for detachably connecting said drive lever with said catch plate, said drive lever being actuated by the spring of said switch for transmitting the driving force of said spring through said escapement pawl and catch plate to said main shaft, and means responsive to the operation of said time-keeping mechanism for disengaging said escapement pawl from said catch plate, thereby opening said switch and deenergizing said spring.

1,735,541. HAND TRUCK. OSCAR W. MILLER, Appleton, Wis. Filed Aug. 23, 1928. Serial No. 302,013. 2 Claims. (Cl. 188-22.)

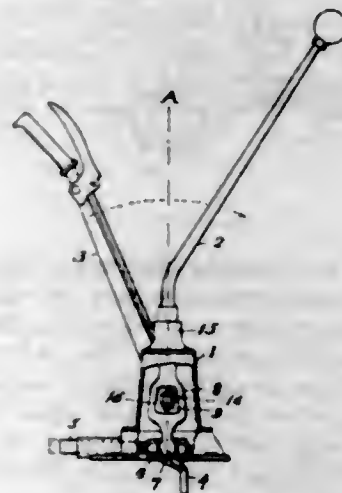
1. A hand truck comprising a frame, an axle rigidly supported from said frame, a pair of wheels carried by said

axle, a pair of brackets carried by said axle, a pair of levers pivotally carried by said brackets, said wheels having teeth formed therein, said levers having toothed portions



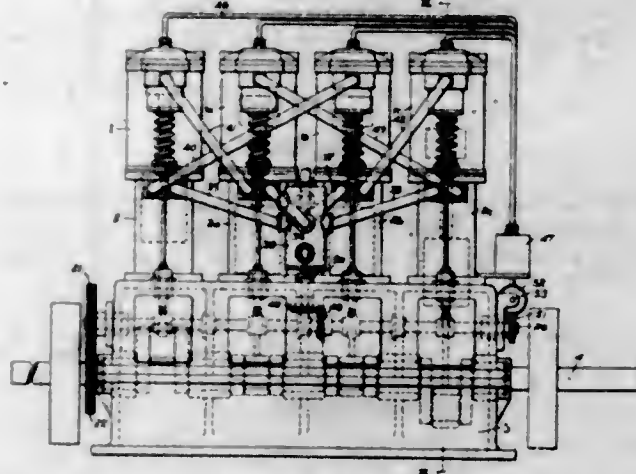
adapted to interlock with the teeth of the wheel, and means actuable by the operator to cause interlocking of said levers and wheels.

1,735,542. GEAR-SHIFT LOCKING AND THROW-OUT DEVICE. TOMB MONDAY, St. Louis, Mo. Filed Mar. 21, 1928. Serial No. 263,424. 8 Claims. (Cl. 74-83.)



1. A device of the character described, comprising a hand brake lever, a gear shift lever having a vertically elongated loop with two cam-engaging surfaces below the fulcrum, a cam only partly rotatable mounted in said loop and adapted to engage interlockingly both said surfaces to prevent movement of the gear shift lever, and operative connections between said cam and hand brake lever.

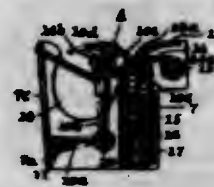
1,735,543. INTERNAL-COMBUSTION ENGINE. VICTOR H. PALM, Butler, Pa. Filed Apr. 13, 1928. Serial No. 269,697. 9 Claims. (Cl. 123-59.)



2. An internal combustion engine comprising a plurality of cylinders arranged in pairs the cylinders of each pair

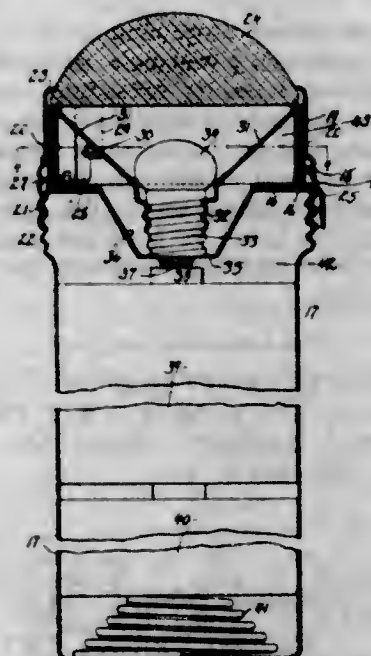
being in superposed relation, individual valves for controlling the inlet passages of the upper cylinders, and a valve timing device for controlling the passages of the lower cylinders, said valve timing device comprising a casing having L-shape ports therein, and a rotary member having an L-shaped port co-operating with said ports in succession.

1,735,544. SHUTTLE. LUIGI PAVIA, Allentown, Pa. Filed Feb. 7, 1927. Serial No. 166,298. 11 Claims. (Cl. 130-215.)



1. A self-threading shuttle comprising, in combination, a shuttle body, a thread-guiding means therein normally urged in one direction and yieldable in the opposite direction, the thread being adapted to be moved in the threading operation transversely of itself against the side of said means facing the first direction, and yieldable thread-guiding means arranged to be passed over by the thread during such yielding and thereupon coactive with the first means to retain the thread in a substantially definite position for longitudinal travel, said means normally co-operating with each other when the thread is in said position to maintain a bend therein.

1,735,545. PORTABLE ELECTRIC HAND LAMP. PAUL R. PUCKETT, Atlanta, Ga., assignor to Chase Companies Inc., Waterbury, Conn., a Corporation. Filed Sept. 21, 1927. Serial No. 220,900. 7 Claims. (Cl. 240-10.5.)

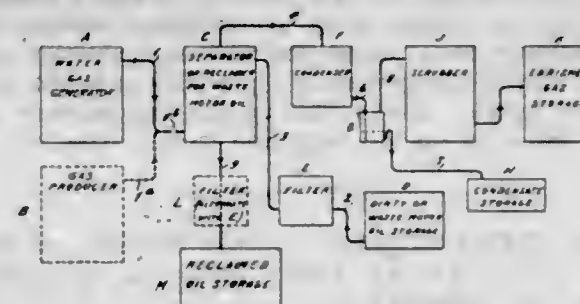


1. A portable electric hand-lamp, having a casing, an electro-chemical cell, a lamp-bulb in the circuit thereof, and a peripherally-mounted plate-like disk-shaped switch-member interposed in the said circuit for making and breaking the same, located in a plane transverse to the axis of the lamp and formed with a guard-opening receiving the stem of the lamp-bulb and guarding the same against canting in assembling the lamp.

1,735,546. PROCESS FOR RECLAIMING LUBRICATING OIL. WILLIAM C. RATH, New York, N. Y. Refile of abandoned application Serial No. 635,576, filed Apr. 30, 1923. This application filed Mar. 20, 1929. Serial No. 348,676. 2 Claims. (Cl. 196-16.)

1. The herein described process of purifying and reclaiming spent lubricating oil by distillation with a com-

combustible gas, comprising subjecting the spent lubricating oil to the action of warm combustible gas from a gas



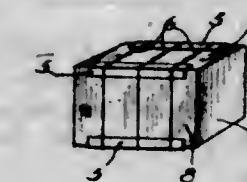
generator whereby diluent components of the oil are vaporized and carried away, and the lubricant is reconditioned for further use.

1,735,547. MANUFACTURE OF RUBBER COMPOSITIONS AND PRODUCTS OBTAINED THEREBY. JAMES H. REEL, Jackson Heights, and HAROLD E. CUDE, Floral Park, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed May 23, 1927. Serial No. 193,724. 15 Claims. (Cl. 184-17.)

1. A process for preparing rubber compositions which comprises forming a water-in-oil emulsion and incorporating rubber therein.

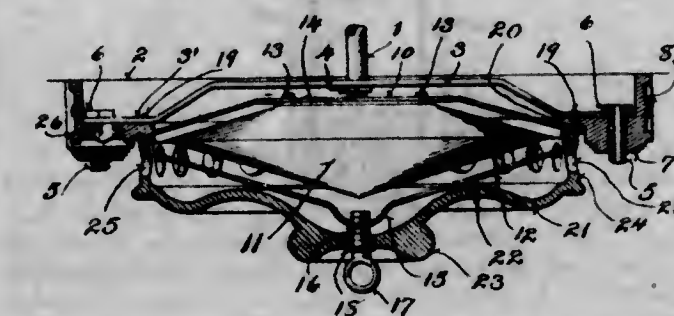
10. A process for preparing phase-reversible rubber compositions which comprises agitating water, oil, rubber and a water insoluble soap as emulsifying agent until a uniform dispersion is obtained, converting the insoluble soap into water soluble form by treatment with alkali, and agitating until a reversal of phases with respect to the water takes place.

1,735,548. TIN-PLATE PACKAGE. HENRY D. SCOTT, Wheeling, W. Va. Filed June 26, 1928. Serial No. 288,337. 3 Claims. (Cl. 206-60.)



3. A shipping package of tin plate, comprising top and bottom covering sheets of thick fiber board larger than the tin plate and having protecting sides and ends folded against and completely enveloping the sides and ends of the tin plate, an angle member nested upon the fiber board at each side corner of the package, and metal strands bound around the top, bottom and sides of the package and upon said angles, said cover sheets being so formed and folded that they are firmly held in their folded positions by said angles and metal binding strands.

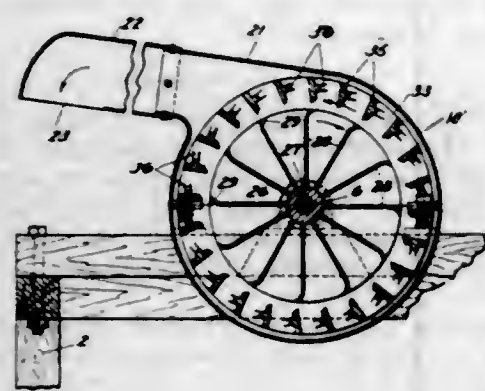
1,735,549. COMBINATION LOUD-SPEAKER AMPLIFIER AND ELECTRIC-LIGHT-FIXTURE SUPPORT. RICHARD H. SWER, Milwaukee, Wis. Filed Sept. 24, 1927. Serial No. 221,746. 3 Claims. (Cl. 181-27.)



1. In a device of the class described, the combination of an annular member adapted for positioning against a

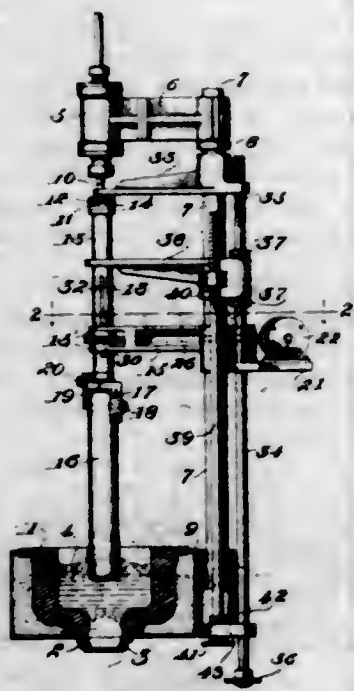
ceiling, a supporting strap carried by said member and apertured for the reception of a conduit carrying pipe, a second strap secured to said member, a sound amplifier carried by said second strap, a cup-shaped member having an annular flange contacting with said annular member, said annular flange having a plurality of sound outlet apertures formed therein, and means for holding said annular flange in contact with said annular member.

1,735,550. SEED HULLER. ROBERT STANLEY, De Witt, Iowa. Filed May 16, 1928. Serial No. 278,178. 7 Claims. (Cl. 53-32.)



2. In a huller, a substantially cylindrical casing having a substantially tangentially arranged discharging spout connected to the periphery thereof, an inlet to admit seeds or grains approximately centrally of an end of the casing, a pair of oppositely rotating supporting members in the casing having seed engaging members thereon to catch and throw the seeds outwardly, the seed engaging members of one supporting member being arranged radially outwardly from those on the other member.

1,735,551. GLASS-DELIVERING APPARATUS. DAVID STENHOUSE, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed July 23, 1924. Serial No. 727,734. 18 Claims. (Cl. 49-55.)



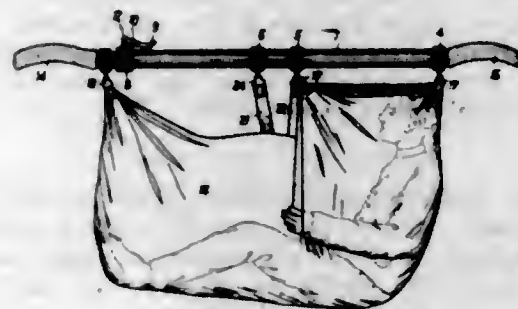
1. An apparatus for delivering glass, including a flow spout having a flow orifice, a reciprocable plunger in ver-

tical alignment with the flow orifice, a piston and piston rod for operating the plunger and arranged in vertical alignment therewith, a rotary rod carried by the piston rod, said plunger attached to the rotary rod, a worm wheel keyed to said rotary rod and having sliding movement thereon, a worm engaging said worm wheel and an electric motor for operating said worm.

8. An apparatus for delivering glass, including a reciprocable plunger and means for mounting said plunger, said means comprising a socket member, said socket member and plunger having registering apertures, a pin adapted to be inserted in the registering apertures, and a movable clamp adapted to engage the opposite side of the plunger.

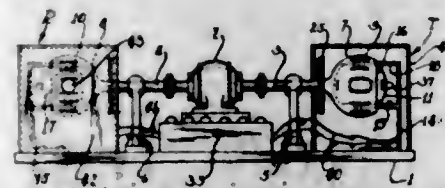
11. An apparatus for delivering glass including a reciprocable plunger, two elements for limiting the up and down stroke of the plunger, an adjustable connection between the two elements, and a screw-threaded rod engaging one of said elements for simultaneously adjusting the two elements.

1,735,552. HAMMOCK LITTER. SIEGFRIED STRAUSS, Würzburg, and SEVERIN GERSCHÜTZ, Stadlauringen, Germany. Filed Apr. 9, 1928. Serial No. 268,557, and in Germany Nov. 22, 1926. 7 Claims. (Cl. 5-82.)



1. A hammock litter comprising a carrier pole, laterally extending supporting members mounted on the pole at the ends thereof, laterally extending supporting members mounted on the pole intermediate its ends, a flexible sheet, eyes on one end of the latter to which the supporting members at one end of the pole are connected, and a plurality of eyes extending across the other end of the sheet connecting the latter to both end and intermediate supporting members, whereby the sheet may be folded to form arm supports.

1,735,553. TELEVISION APPARATUS. SAMUEL THOMAS SYPHRIT, Racine, Wis., assignor to A. J. Carter, Chicago, Ill. Filed Sept. 14, 1928. Serial No. 305,979. 10 Claims. (Cl. 178-6.)

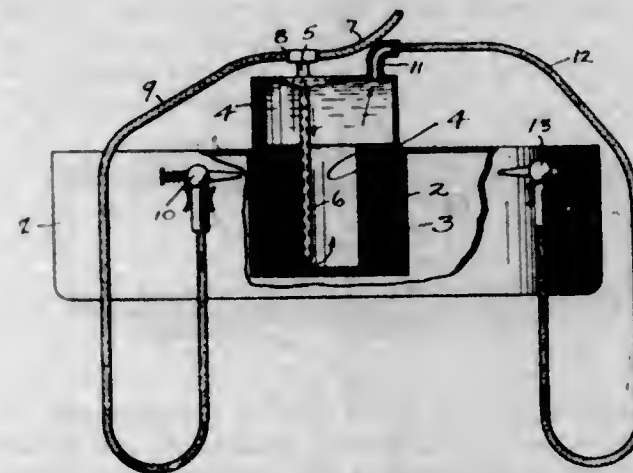


1. In a television apparatus, a pair of movable spherically shaped members operatively connected for movement in different directions, each of said spherically shaped members being provided with a plurality of slots, the slots in one member being disposed at an angle with respect to the slots in the other member and adapted to sweep over an image for projecting a beam of light onto a light sensitive electrically controlled cell.

1,735,554. WATER-HEATING APPARATUS. JOSEPH ALLYN THATCHER, San Francisco, Calif. Filed Mar. 14, 1927. Serial No. 175,062. 1 Claim. (Cl. 219-39.)

A device of the character described, comprising a closed container having a broad upper portion and a materially

smaller depending portion, the container being provided with a port connected with a source of water supply to automatically fill the container with water under pressure to the full capacity thereof, a conduit leading therefrom through the upper portion of the container and terminating near the bottom of the depending portion, a heating coil embracing said depending portion and in contact with



the bottom of the upper portion, a pipe leading from the upper portion of the container for the discharge of the water from the top of the container under pressure, and a pipe connected with the source of cold water directly from such supply, the ends of the hot and cold water discharge pipes being closed by valves to effect the withdrawal of hot and cold water either selectively or in unison.

1,735,555. MANUFACTURE OF A CERESINE-LIKE WAX. GERALD L. WENDT and CLIFFORD BANTA, Chicago, Ill., assignors to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Mar. 2, 1923. Serial No. 622,438. 6 Claims. (Cl. 196-19.)

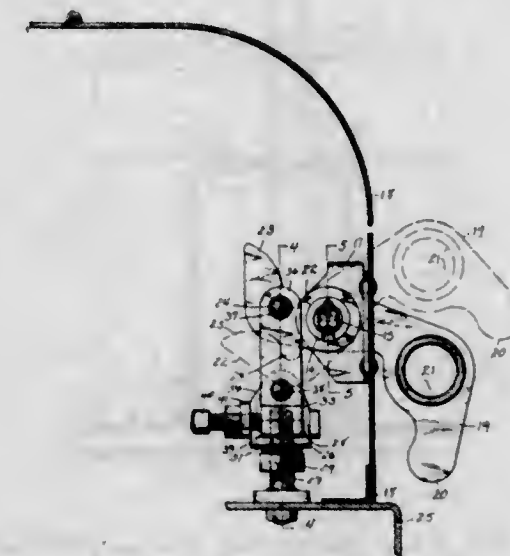
1. The method of separating ceresine-like wax from substantially uncracked crude petroleum residuum, which comprises diluting the crude oil residuum with a mixture of a wax solvent liquid and a non-solvent liquid miscible therewith, cooling the mixture to effect precipitation of the wax, and separating the precipitated wax.

1,735,556. HANDLE AND SWITCH. EDWARD W. WIEHLE, Chicago, Ill., assignor to Birtman Electric Company, a Corporation of Illinois. Filed Feb. 1, 1928. Serial No. 251,174. 12 Claims. (Cl. 200-157.)



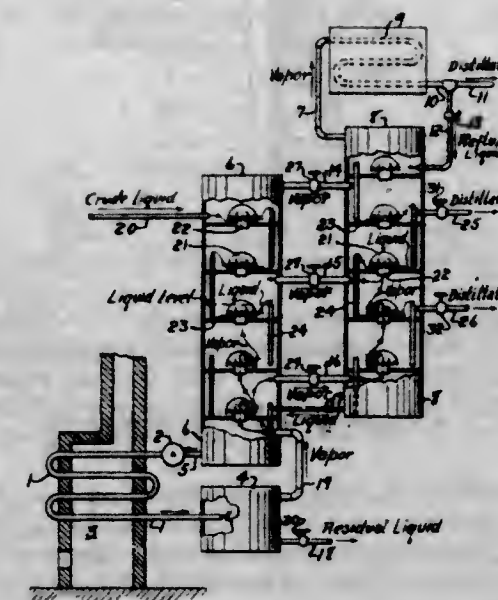
1. A one piece tubular handle having a relatively wide opening therein remote from the ends and a relatively narrow opening adjacent thereto; and a switch with a projecting operating part, said switch adapted to be inserted into said tubular handle through said wide opening and moved longitudinally inside of said handle to a permanent position beneath said narrow opening with its operating part extending through said narrow opening.

1,735,557. HOOD FASTENER FOR AUTOMOBILES. GORDON WILLIAMS, Mount Carmel, Conn. Filed Oct. 11, 1927. Serial No. 225,475. 3 Claims. (Cl. 292-120.)



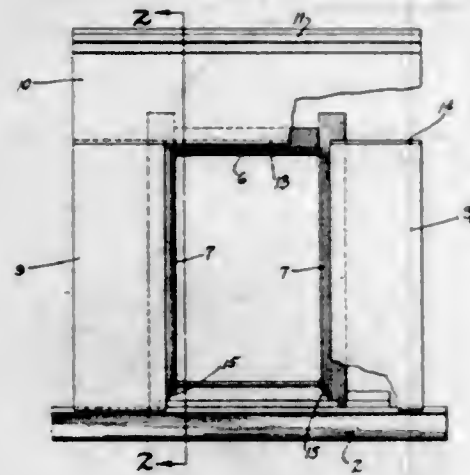
1. In a hood fastening for automobiles, the combination with the hood of a rock-shaft mounted on the inner face thereof, a lever coupled with said shaft and extending outward through said hood and provided with a handle, latches coupled with said shaft near the ends thereof, said latches formed with cam-faces and with locking-notches, yokes mounted on the chassis in line with said latches, plates secured to said yoke and extending upward therefrom, and pins mounted in the upper ends of said plates and in position to be engaged by said latches.

1,735,558. RECTIFYING PROCESS. MALCOLM PHILLIP YOUNGER, Bartlesville, Okla. Filed July 15, 1924. Serial No. 726,106. 11 Claims. (Cl. 196-72.)



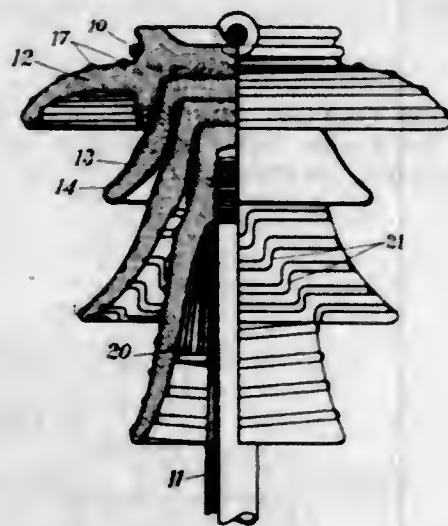
1. A method of distilling a liquid composed of several hydrocarbons which consists in fractionally vaporizing said liquid under countercurrent contact between liquid and vapor, separately removing a plurality of said vaporous fractions, and simultaneously rectifying and thus fractionally condensing a part of said fractions by introducing the same at spaced elevations into the same stream of downwardly flowing reflux, and separately removing said several condensates.

1,735,559. WINDOW FRAME. FRED C. ANDERSEN, ROLAND L. NASH, and NOBLE T. ROLAND, Bayport, Minn., assignors to Andersen Lumber Company, Bayport, Minn., a Corporation of Wisconsin. Filed June 25, 1928. Serial No. 288,245. 4 Claims. (Cl. 20-11.)



1. A window frame having side casings provided with outwardly and downwardly inclined upper faces, and a head casing having an under face formed to fit the corresponding faces of said side casings, for the purpose specified.

1,735,560. INSULATOR FOR WITHSTANDING FOG CONDITIONS. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Aug. 11, 1924. Serial No. 731,506. 15 Claims. (Cl. 173-318.)



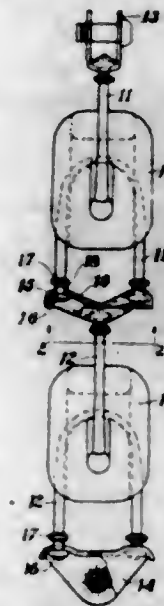
1. The combination with an insulator for high potential transmission lines of means for heating said insulator to dispel the moisture therefrom, said heating means comprising a resistance path for current of a width less than the periphery of the insulator and consisting of porous material.

7. An insulator having a plurality of parts and a high resistance leakage path extending over the surface of said parts from one terminal of said insulator to the other, the nature of said path being different in width and direction for the different parts.

10. The combination with an insulator for high potentials, of means for heating said insulator to prevent undue accumulation of moisture thereon, said heating means automatically operating to increase the amount of heat delivered to said insulator when the amount of moisture present is increased.

11. The combination with an insulator for high potential transmission lines, of means for delivering heat to said insulator to dispel moisture therefrom, said heat delivering means comprising a resistance member which has its conductivity affected by moisture.

1,735,561. FITTING FOR INSULATORS. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed July 2, 1926. Serial No. 120,089. 15 Claims. (Cl. 173-366.)

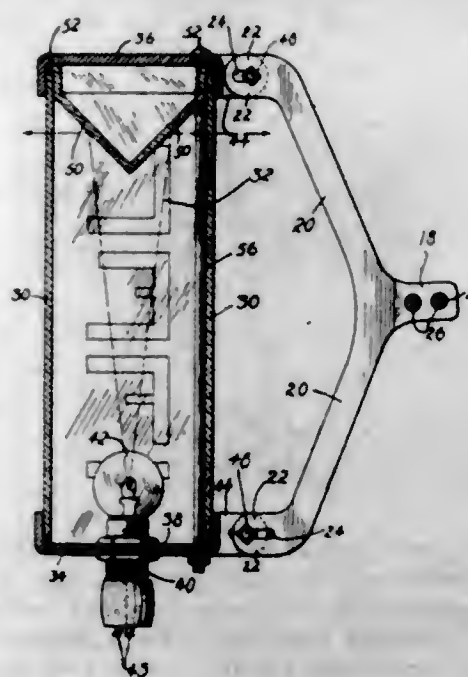


7. In combination a pair of insulators having U bolts threaded therethrough, a yoke having openings therein for receiving the ends of said U bolts, said U bolts being movable longitudinally through said openings to bring said insulators close together and means for releasably retaining said U bolts in position with their ends projecting through said yoke to retain said insulators in compacted relation.

10. A fitting for an insulator comprising a sheet metal plate having two pairs of transverse perforations through which, each perforation having a restricted slot extending therefrom and communicating therewith, the portions of the plate containing the respective pairs of perforations being offset in opposite directions transversely of the plate.

12. An insulator fitting comprising a plate having spaced perforations therethrough and slots extending outwardly and laterally from said perforations and communicating therewith, and a U-bolt having the legs thereof headed and extending through said perforations and engaging said slots.

1,735,562. SIGNAL DEVICE. ISRAEL CAPLAN, Des Moines, Iowa. Filed May 21, 1928. Serial No. 279,324. 2 Claims. (Cl. 177-329.)



2. In a signal casing and support therefor, a transparent tubular casing having end caps, means to retain

said end caps on said casing, a slotted ear on each of said end caps, a Y shaped support having its central portion adapted to be secured to an automobile body and having forked and slotted ends, said ears being received in said forked ends and clamping bolts extending through the slots of said ears and said forked ends.

1,735,563. METHOD OF SECURING METAL END COUPLINGS ON TUBULAR MEMBERS. CHARLES L. DECKARD, Kansas City, Mo. Filed May 25, 1928. Serial No. 280,567. 2 Claims. (Cl. 29-148.)



1. The process or method of securing metal end coupling members to longitudinally formed metal tubular sections consisting of fortifying the end portions of the tubular section by forcing therein solid wall supporting and reinforcing plug members; then shrinking on the plugged end portions of the tubular section hollow metal end coupling members; then subjecting the unit thus formed to a welding or forging heat; then swedging or forging the units circumferentially of the coupling members to thereby depress the units to form area restricting necks in the tubular section at the inner ends of the plug members therein; then welding or fusing the combined plug members, the end portions of the tubular section, and the coupling members together into a mass; and then boring axially the plug members to provide passages there-through substantially corresponding to the area of the necks in the tubular section.

1,735,564. METHOD OF WATERPROOFING LEATHER FOR PACKING AND OTHER PURPOSES. JOHN J. DOUGHERTY, Millersburg, Pa. Filed Dec. 11, 1928. Serial No. 325,392. 2 Claims. (Cl. 69-21.)

2. A method of waterproofing leather for packing and other purposes, consisting in first boiling an untanned dressed skin of a bovine animal in a lubricating oil for a period of approximately sixty minutes and then immersing and curing the hide thus treated in glycerin and the cutting of the hide thus treated in strips and the braiding of the same into suitable form and size for placing about a shaft as packing.

1,735,565. SHEET-GLASS-SURFACING APPARATUS. JOHN L. DRAKE, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 5, 1927. Serial No. 159,059. 4 Claims. (Cl. 51-119.)



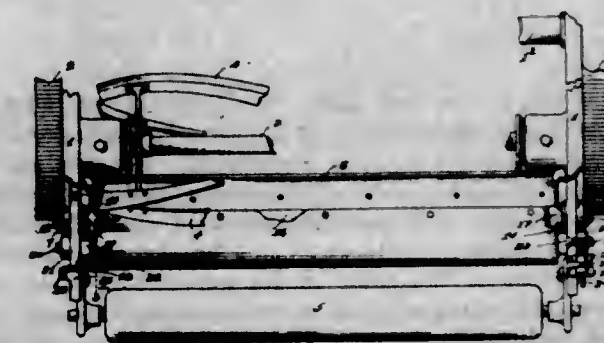
1. In a machine for surfacing sheets of glass, a plurality of traveling surfacing tools, a work table carrying the sheets to be surfaced and movable so that the same parts of the same piece of work are presented successively to different tools, a stationary source of supply of abradant at a fixed point in the course of travel of the work, and a fixed means adjacent such point of supply and in the path of travel of the tools for raising each tool as it is brought by its travel to such fixed means, permitting the abradant to enter between the tool and work, and when the tool passes such means permitting said tool to again descend and treat the work with the abradant.

1,735,566. FOUNTAIN PEN. GUSTAVE WALFRID ELMWALL, New York, N. Y. Filed June 15, 1926. Serial No. 116,121. 1 Claim. (Cl. 120-46.)



In a fountain pen of the self filling type, a one-piece body barrel internally threaded at its upper end, a point portion affixed to the lower end of said body barrel having pen mounting and feeding means thereon, a cap portion externally threaded and engaging the thread in said body barrel, said cap having a longitudinal bore therein having flat sides, a flat sided solid key engaged with the recess in said cap to turn therewith and to slide without restraint in either axial direction longitudinally therein when the cap is rotated, a flexible open ended tube ink sack having one of its ends secured to the upper end of said point portion and the other end to the lower extremity of said key portion whereby rotation of said cap screws the same on the aforesaid threads without disengagement to simultaneously twist the said tube sack to squeeze the same without longitudinal stretch.

1,735,567. LAWN MOWER. EDWARD A. EUSTICE, Galesburg, Ill. Filed Apr. 15, 1927. Serial No. 184,103. 8 Claims. (Cl. 56-254.)

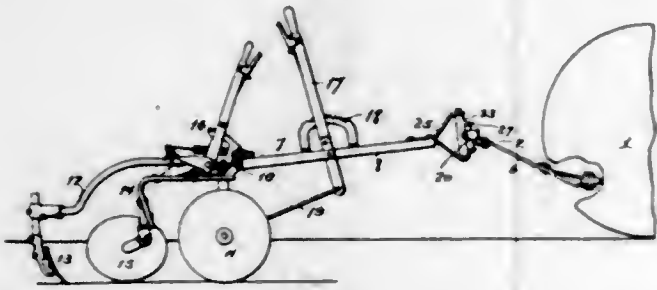


1. In a lawn mower, the combination with the side frame members thereof and a cutter-bar pivotally supported between them on an axis paralleling its length, of an eccentrically mounted member on each frame member each directly carrying one end of the said cutter-bar for imparting independent orbital movement to the cutter-bar ends.

1,735,568. LISTER CULTIVATOR. ARTHUR D. GALLAGHER, South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, a Corporation of Delaware. Filed Apr. 2, 1928. Serial No. 629,441. 1 Claim. (Cl. 97-98.)

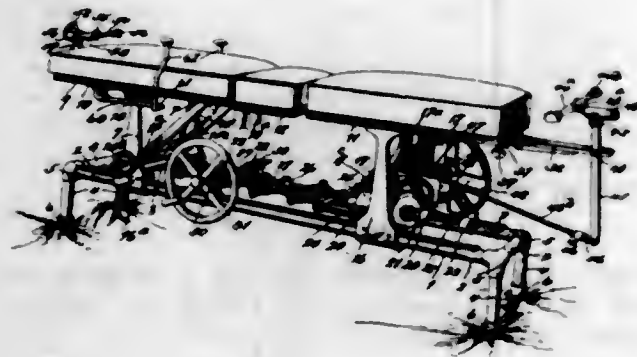
In a cultivator, the combination with a transverse draft beam to be disposed in rear of a tractor, means

for rigidly securing the said draft beam to a tractor, and a plurality of cultivators, of a coupling device for each cultivator, each coupling device comprising two members disposed at right angles to each other, one of said members connected with the draft beam by a horizontal pivot



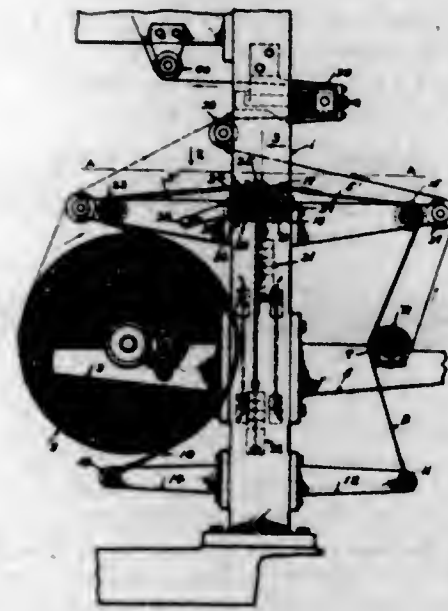
and the other member connected with one of the cultivators by a vertical pivot, and a stop arm projecting forwardly from each coupling device over the plane of the draft beam and cooperable with the same to limit the vertical movements of the cultivator.

1,735,569. ADJUSTMENT TABLE. ALVA EMERY GREGORY, Oklahoma, Okla. Filed July 29, 1924. Serial No. 728,944. 3 Claims. (Cl. 128-71.)



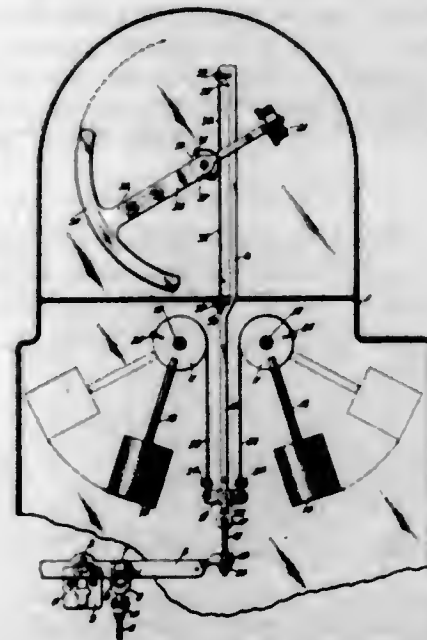
1. In a device, as set forth, the combination with a lowermost supporting frame, of a pair of guides running lengthwise thereof, a pair of horizontally movable standards moving along the rails of the frame, and said guides, a body supporting table movably mounted upon the upper ends of said guides, a pair of slotted brackets for governing the control of the table in its movements upon the standards, and being slotted, a rod passing through the slots and the standards, means upon the rod to hold the slotted brackets in position of adjustments, a second body-table resiliently and movably mounted with respect to and to the first named body table, means of connection of the slotted brackets to the second named body table, a pair of bousings beneath the first named body table, resilient means within the housing for controlling the depression and elevation of the second named body table, with respect to the first named body table, hand grips upon the first named body table and located in fixed position thereon, an adjustable bracket movably mounted to the forward end of the first named body table, an adjustment screw carried by the adjustable bracket at the forward end of the adjustment screw, a head and chin harness carried by the movably mounted lever, means to move the tables aforesaid longitudinally, and a third table to and from which the aforesaid tables are laterally movable, and upon which a portion of the body is sustained.

1,735,570. TENSION DEVICE FOR WEB ROLLS. JOHN J. HALLIWELL, deceased, Tuckahoe, N. Y., by Margaret A. Halliwell, executrix, Tuckahoe, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 25, 1928. Serial No. 249,470. 6 Claims. (Cl. 242-75.)



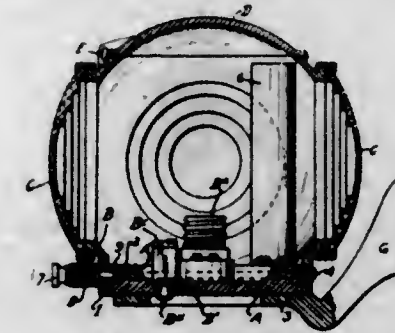
3. In a web roll controlling mechanism the combination of means for supporting a web roll, a plurality of friction straps or belts secured at one end and engaging the surface of the roll, weights attached to the free ends of the straps, an operating shaft, sprockets on the shaft over which the belts pass and means for connecting the sprockets to the shaft so that they turn therewith in one direction of rotation, but are free to rotate thereon independently in the other direction.

1,735,571. SCALE. FRED B. HAMBLIN, St. Louis, Mo., assignor to The Weightograph Company, St. Louis, Mo., a Corporation of Missouri. Filed June 4, 1926. Serial No. 113,648. 6 Claims. (Cl. 265-62.)



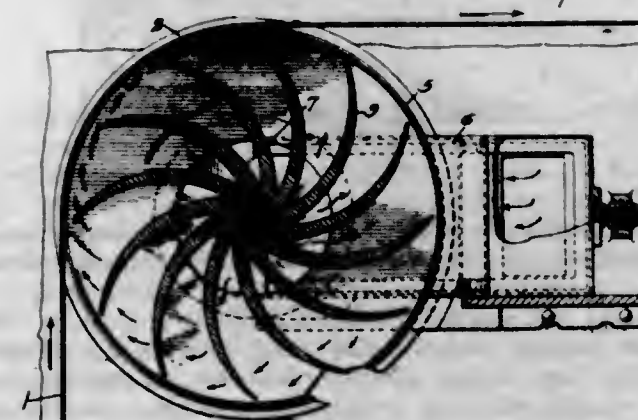
1. In a scale, the combination with a pivoted scale beam, a steelyard connected with the scale beam for transferring the load thereto, of a rod connected with one end of said scale beam, weighted pendulums supported on opposite sides of said rod, flexible connections attached to each of said pendulums, an equalizing connection between said flexible connections and said rod, and a weight indicating segment flexibly connected to said rod.

1,735,572. SIGNAL LAMP. ALEXANDER H. HANDLAN, St. Louis, Mo. Filed Feb. 20, 1926. Serial No. 89,576. 2 Claims. (Cl. 240-24.)



1. In a signal lamp, a base member, a lamp shell member adapted to be rotatably supported by the base member, one of said members being provided with a peripheral groove having a channel communicating therewith, said peripheral groove being arranged at a true right angle with respect to the major axis of said base, and a projection carried by the other of said members and adapted normally to extend into the groove to hold the base and the shell in interfitting relation, and movable into alignment with the channel communicating with the groove to permit separation of the base and the shell.

1,735,573. DRAWING CONTINUOUS SHEET GLASS. JOHN C. HENDERSON, New York, N. Y., assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 30, 1926. Serial No. 145,360. 13 Claims. (Cl. 49-17.)



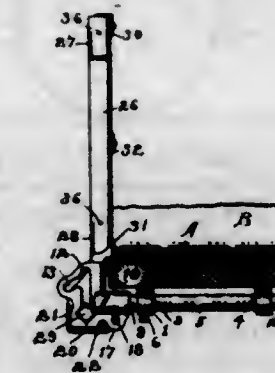
1. That improvement in the art of drawing sheet glass, which consists in supporting a portion of the moving sheet while being bent from one plane into another upon a blanket of air which is mechanically moved with the sheet.

13. In a sheet glass drawing apparatus, means for supporting the glass sheet while it is being bent from one plane to another, including a rotatable fan member mounted within the bending arc of the sheet operated in a manner to create an air cushion for supporting the main body part of the sheet, said air cushion moving in the direction of travel of said sheet.

1,735,574. INTERLOCKING JOINT. WILLIAM F. HOFFORD, near Modoc, Ind. Filed Sept. 8, 1925. Serial No. 55,064. 1 Claim. (Cl. 224-29.)

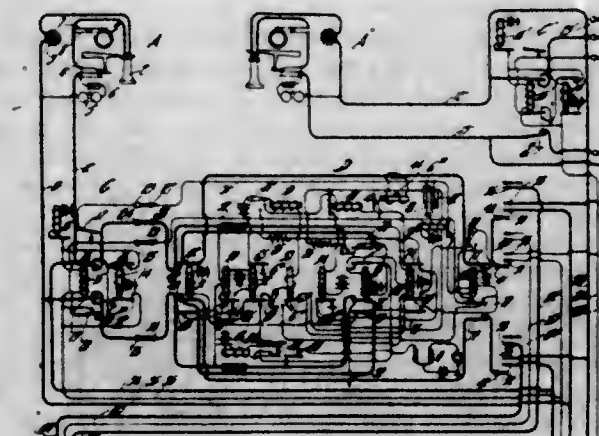
In combination with a horizontal rod and a movable standard; an interlocking joint for hinging said rod and standard together whereby they may be locked in various positions with relation to each other, a plate formed integral with the standard, a center bar and two side bars all arranged parallel with each other and projecting from the contact face of said plate with the center bar having an aperture formed therethrough and then continuing

through said plate, a hook extending out at right-angles from said plate and from one of said side bars, there being a U-shaped cavity carried by said plate and located opposite to and opening toward said center bar but spaced therefrom, a flat member detachably connected to said rod and having a main slot and a branch slot connected with the main slot at an acute angle with both slots



formed through said flat member, a series of three lugs projecting from the contact face of said flat member, said lugs being square in cross section and located near said slots, and a bolt detachably inserted through said aperture in said center bar and through said slots in order to rigidly connect said plate and flat member in various positions with relation to each other.

1,735,575. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Port Washington, N. Y., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 13, 1917. Serial No. 196,367. Renewed May 4, 1923. 55 Claims. (Cl. 179-27.)

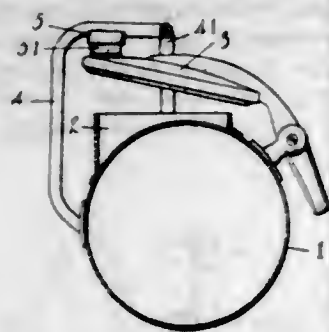


1. In a telephone system, subscribers' lines of two classes, a trunk line, a pair of automatic switches, means for operating one of said switches over said trunk line to connect with a called line of either class, connections between the said switches whereby the second switch may be operated over the connected called line to establish connection with a second called line, and a release magnet in said first switch controllable either by the subscriber on the line first called or by the subscriber on the line last called, depending upon the class to which the said first line belongs.

1,735,576. SAXOPHONE. ALFRED J. JOHNSON, Grand Rapids, Mich., assignor to York Band Instrument Company, Grand Rapids, Mich. Filed Oct. 22, 1926. Serial No. 143,402. 1 Claim. (Cl. 84-385.)

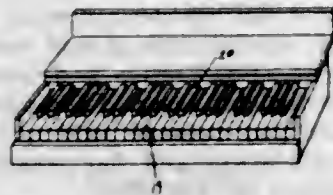
The combination in a saxophone or similar instrument of a tone hole socket, a pivoted valve pad cup having a

pad therein and having an imperforate outer surface, a suitable guard rod over said valve pad cup, and a stop



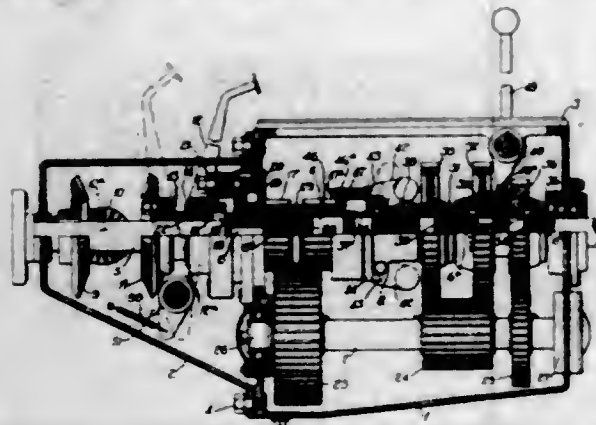
cup having a contact pad secured to said guard rod and said contact pad disposed to contact the outer imperforate surface of said valve pad cup to limit the movement thereof.

1,735,577. PRACTICE KEYBOARD. GRIFFITH JONES, Anderson, Ind., assignor of one-half to H. G. Neely and one-half to W. H. Forse, Jr., Anderson, Ind. Filed May 17, 1926. Serial No. 109,519. 5 Claims. (Cl. 84-467.)



1. A keyboard mechanism comprising a supporting member having a curved fulcruming and combination key supporting and fulcrumed surface, a plurality of parallel key members positioned thereabove and bearing substantially full key width on said curved surface and adjacent one end of said key members, means positioned above said key members adjacent the supporting member for adjusting the elevation of the key members substantially as described.

1,735,578. GEAR TRANSMISSION. YUKIO KIKUCHI, Montclair, N. J. Filed July 7, 1928. Serial No. 291,052. 13 Claims. (Cl. 74-97.)

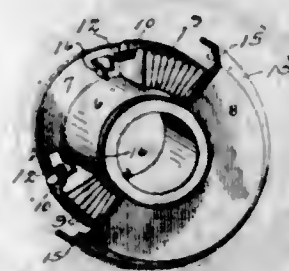


1. A gear transmission of the class described, comprising a low speed driving unit, a second speed driving unit and a third and high speed driving unit, means involving a single control disposed between and cooperating with two of said units for moving both the first and second speed driving units into operative position, and automatically actuated means for moving the third or high speed driving unit into operative position.

1,735,579. SHORT-CIRCUITING DEVICE FOR MOTOR COMMUTATORS. EVERETT P. LARSH, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 17, 1921. Serial No. 437,906. 29 Claims. (Cl. 172-279.)

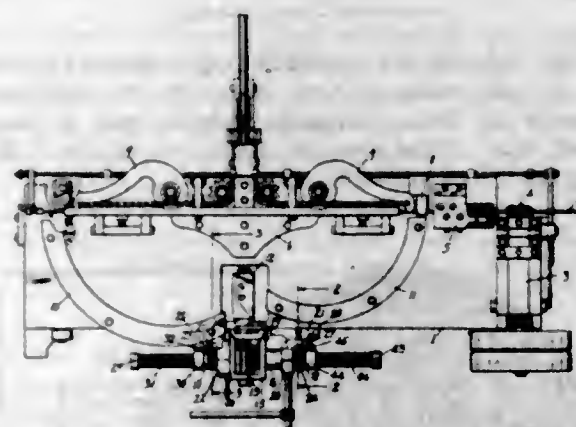
19. In a short circuiting mechanism for single-phase, alternating current motors and in combination with the

armature and commutator thereof, cooperating weight and spring elements operable radially relative to the armature shaft one of which is electrically conductive and adapted to be moved slidably in a radial direction into wiping con-



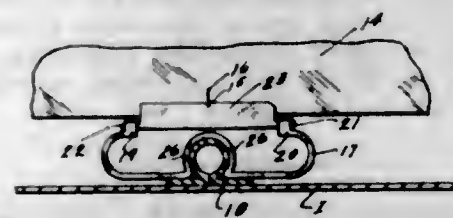
tact with the lateral face of the commutator to effect short circuiting of the armature, and means whereby said contact is made with increasing pressure as the weights move outwardly.

1,735,580. WIREWORKING MACHINE. FRANK MAGIDSON, Pittsburgh, Pa., assignor to Star-Service Hanger Company, Detroit, Mich. Original application filed Aug. 5, 1926, Serial No. 127,317. Patent No. 1,695,603, dated Dec. 18, 1928. Divided and this application filed Nov. 8, 1928. Serial No. 317,913. 8 Claims. (Cl. 140-115.)



1. In a wire working machine, a twister comprising a body having a slot for receiving wires from opposite sides thereof, a stationary jaw, a pivoted jaw, a locking device carried by the pivoted jaw for locking two wires in side by side position between said jaws, a spring for moving said lock into locking position, said lock having tapered sides whereby the same is forced to unlocking position by the wires entering said slot, and means for swinging the pivoted jaw to discharge the twisted article.

1,735,581. CARD INDEX AND FILE. MALCOLM McDONALD, Orenco, Oreg. Filed Aug. 31, 1927. Serial No. 216,616. 3 Claims. (Cl. 129-16.)



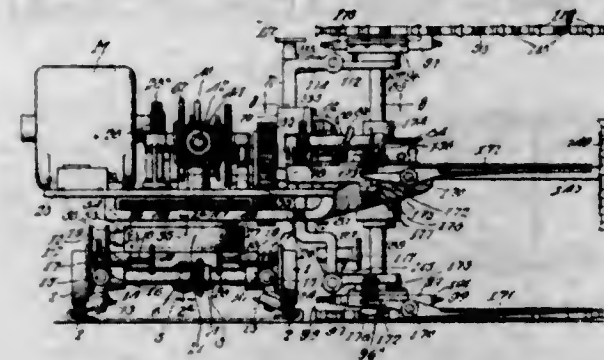
2. In a device of the class described, a card index tray, a central guideway disposed longitudinally of the upper side of the bottom of the card index tray and rounded in form in cross section, a series of slidable yoke elements associated with the guideway and adapted to a snap engagement and disengagement with the guideway, horizontal bearings disposed at either end of the yoke elements and a card holder journaled within the bearings of each yoke.

1,735,582. TOOTHBRUSH. ABRAHAM S. MEALOFF, New York, N. Y. Filed Sept. 17, 1927. Serial No. 220,097. 1 Claim. (Cl. 15-167.)



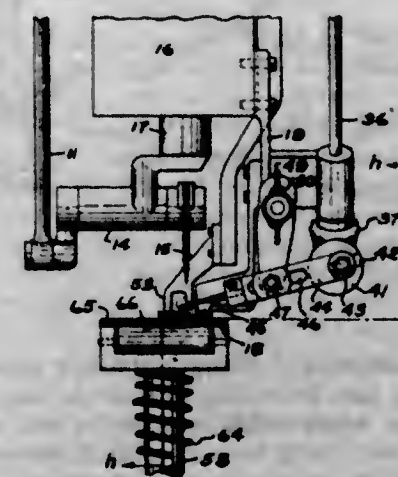
In an implement for cleaning teeth, a strip having reentrantly bent edges, a plate slidable in said edges, a single, central row of polishing elements projecting outwardly from said plate, said elements extending slightly beneath said plate, and a holder slidably engageable intermediate said strip and said plate, said holder being provided with a longitudinal groove receptive of the extending portions of said polishing elements.

1,735,583. APPARATUS FOR MINING COAL. EDMUND C. MORGAN, Chicago, Ill.; Olive Eugene Morgan executrix of said Edmund C. Morgan, deceased. Original application filed July 5, 1913, Serial No. 777,436. Divided and this application filed Feb. 8, 1916. Serial No. 76,911. 98 Claims. (Cl. 262-9.)



1. In a mining machine, the combination with a multiple loop chain core cutting mechanism having adjacent unobstructed core openings therethrough, of means for feeding said core cutting mechanism transversely of the planes thereof, and means for actuating said cutting mechanism transversely to the direction of feeding movement thereof.

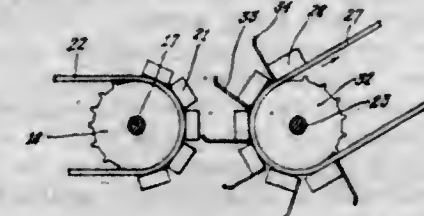
1,735,584. BLINDSTITCH-SEWING MACHINE. FRANK M. PRASZWICH, New York, N. Y. Filed Aug. 9, 1926. Serial No. 128,013. 10 Claims. (Cl. 112-177.)



1. In a blind stitch sewing machine, the combination with a work support and means for feeding two layers of material through the machine, of a picker for penetrating the superimposed layer and the upper surface of the base layer of the material and moving both to a predetermined position, a curved needle positioned to similarly penetrate the layers and form the stitch when the layers are so moved by the picker and means for driving the feeding means, picker and needle in synchronism.

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1,735,585. WASTE ELEVATOR. THEODORE RIVINIUS, Elgin, N. Dak. Filed Apr. 11, 1927. Serial No. 182,610. 1 Claim. (Cl. 198-198.)



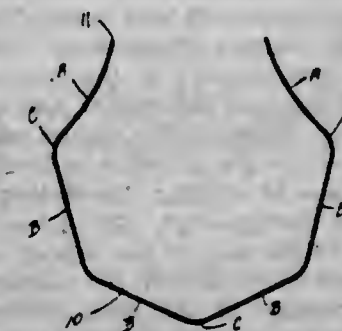
In a manure lifter, a horizontal conveyor mounted in a trough, an inclined conveyor adjacent said horizontal conveyor, the mutually adjacent ends of said conveyors being spaced apart, barrier plates for loading refuse from the horizontal conveyor to the inclined conveyor to lift the refuse to a higher level, slats arranged side by side on said inclined conveyor having relatively narrow spaces therebetween, the loading conveyor having its slats provided with said barrier plates, the sides of said slats having said barrier plates mounted thereon, said barrier plates filling the spaces between said slats on said loading conveyor, said barrier plates being curved in the direction of rotation of said conveyor at their outer ends.

1,735,586. RAIL JOINT. JOSEPH B. RUETTIMANN, St. Paul, Minn. Filed July 9, 1928. Serial No. 291,417. 1 Claim. (Cl. 238-224.)



In a railway joint, a pair of aligned rails with their adjoining ends cut transversely and their base parts resting on a tie, the tread of said adjoining rails terminating in angular faces in spaced relation to their rail ends and said angular faces in obtuse angular relation to each other, a joint filler rail comprising a rail tread with angular faces cut at obtuse angles to correspond to the relative tread faces of the said rail ends, a web extending below said tread and grooved to straddle the adjoining webs of the rails described, said web formed with outwardly extending opposite flanges recessed longitudinally at their under side to loosely straddle the rail base and said recessed flanges having downwardly exposed faces outwardly of said recess to lie directly on the ties, the short base flange adapted to be secured to the tie supporting the rail ends and the longer base flange adapted to be secured directly to said same tie at its center and its extremities secured to the next adjacent ties, said longer flange comprising the inner side of the rail joint connection.

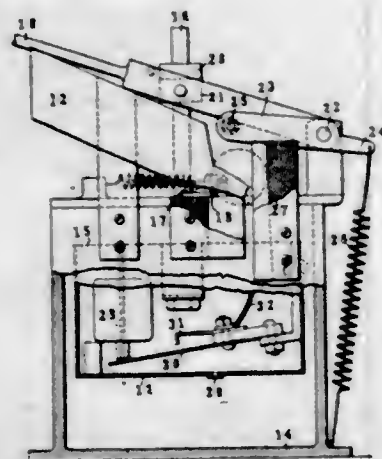
1,735,587. PISTON-RING EXPANDER. MARTIN E. SIPP, Indianapolis, Ind. Filed Dec. 22, 1928. Serial No. 327,845. 2 Claims. (Cl. 74-109.)



1. The combination with a piston having a groove therein and a piston ring in said groove, of an expander ring

adapted to be mounted in said groove intermediate said piston and ring, said expander ring being formed with a plurality of sides having intermediate bends connecting the same and split between two of said sides, said sides adjacent the split ends being normally reversely curved with respect to the general contour of said rings and the remaining sides being normally substantially straight, whereby said reversely curved sides are adapted to exert an increased pressure on said piston ring to compensate for the decrease in pressure thereon due to the split ends and thereby maintain a substantially equalized pressure upon said piston ring.

1,735,588. RETARDED CIRCUIT BREAKER. HOWARD R. STEWART, Los Angeles, Calif. Filed Aug. 29, 1925. Serial No. 53,218. 6 Claims. (Cl. 200—33.)



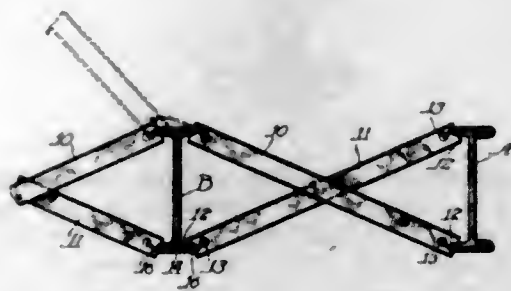
2. A time-control device, including a liquid-containing casing, an open tank, means for submerging said tank within the casing and for subsequently elevating the filled tank, and means actuated by the liquid within said tank for closing a circuit with which said time control device is associated.

1,735,589. SELF-BASTING COVER. OLAF TOLLGSEN, Chicago, Ill., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis., a Corporation of New Jersey. Filed Nov. 20, 1926. Serial No. 149,549. 2 Claims. (Cl. 55—6.)



1. As an article of manufacture, a self-basting roaster cover having an upwardly domed central portion surrounded by an annular marginal seat disposed wholly below said upwardly domed portion and adapted for supporting the cover upon the roaster, a plurality of inwardly directed annular depressions in said upwardly domed portion, each of said annular depressions being disposed wholly above the annular seat of the cover and out of contact with the contents of the roaster, and each continuous annularly about the upwardly domed portion of the cover, and means including a plurality of circularly spaced conical apertures in said annular depressions for permitting steam to pass therethrough, each of said apertures being independent of the size of the depressions and also being of such a size as to permit the passage of steam, but prevent the passage of the more viscous fats and the depressions forming annular external troughs for collecting condensate and distributing same uniformly to said apertures to provide a substantially uniform basting action over the entire contents of the roaster.

1,735,590. BRIDGING FOR JOISTS. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 5, 1928. Serial No. 323,898. 13 Claims. (Cl. 189—36.)



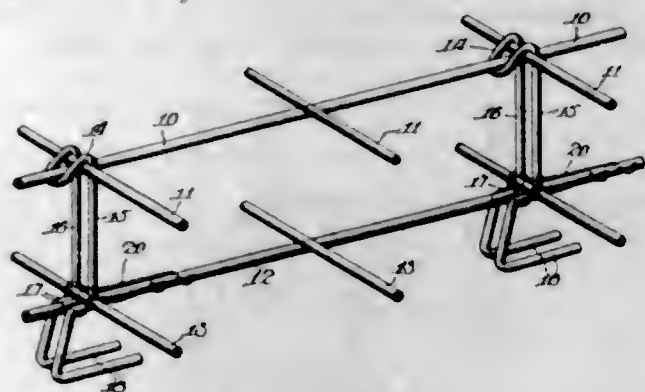
8. In combination, a rigid strut having notches in its ends, said notches being adapted to engage the edges of the flanges of joists, and means hingedly connected to the ends of the strut adapted to engage over the joist flanges to provide a tension connection between adjacent joists.

1,735,591. BRIDGING FOR JOISTS. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 28, 1928. Serial No. 328,898. 5 Claims. (Cl. 189—36.)



2. In bridging, the combination with the joists of rigid struts, and a link joining the ends of successive struts.

1,735,592. MAT CHAIR. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed June 8, 1929. Serial No. 369,436. 4 Claims. (Cl. 94—8.)



1. A chair consisting of a length of heavy wire doubled on itself to form a loop the closed end of the loop being bent backward at an acute angle relative to the body of the loop, the said body being bent at a point between its ends to provide a horizontal seat, and the lower end of the body being bent to terminate in horizontal portions acting as supporting feet.

1,735,593. IGNITION-TESTER GAUGE. GEORGE ZITTMANN, Yonkers, N. Y. Filed Aug. 23, 1927. Serial No. 214,829. 1 Claim. (Cl. 127—183.)

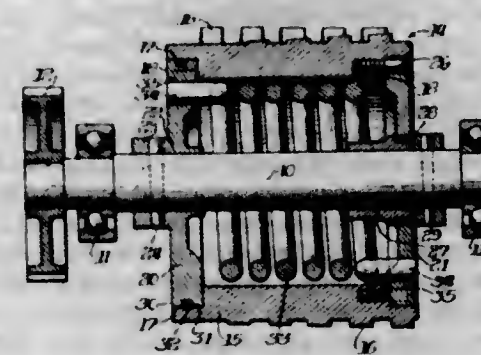
An ignition gauge comprising a cylindrical body formed of insulating material and having a slight opening at one

side thereof, a stationary electrode extending into one end of the body and provided with a head exposed at the end of the body, a screw threaded into the opposite end of the body, an electrode carried by the screw and movable to and from the first electrode upon rotation of said screw, a sleeve extending over the last mentioned end of the body and having an opening into which the head of the screw



fits to revolve with the sleeve, said last screw head being exposed at the end of the sleeve, cooperating indicating means on the body and sleeve for indicating the position of the movable electrode, clamp caps screwed on the first end of the body and the end of the sleeve respectively, and conductor wires extending into said caps and clamped thereby against the respective screw heads.

1,735,594. CUTTER. CARL J. ANDERSON, Chicago, Ill., assignor of fifty-one and two-thirds per cent to Erik Borg and fifteen per cent to Carl U. Johanson, Chicago, Ill. Filed Jan. 13, 1928. Serial No. 246,483. 2 Claims. (Cl. 144—218.)

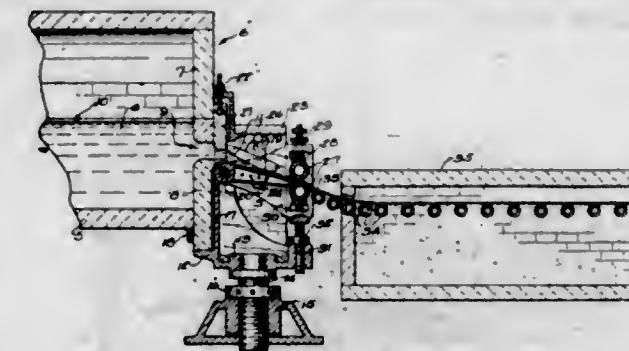


1. A cutter assembly comprising, in combination, a rotatable shaft; a cylindrical cutter adapted to be supported upon said shaft concentrically therewith; means for rotatably supporting said cutter on said shaft comprising a circular end plate concentrically fixed upon said shaft in a plane perpendicular thereto for rotation therewith, a second end plate removably secured to one end of said cutter and having a central bearing adapted to be fitted rotatably upon said shaft, the free end of said cylindrical cutter being fitted rotatably on said first mentioned end plate, and means for securing said cutter and end plates in assembled relation; and resilient means interposed between said shaft and said cutter for transmitting motion thereto said means comprising a coiled torsion spring mounted within said cutter cylinder and having its ends engaging opposite end plates.

1,735,595. SHEET-GLASS-FORMING APPARATUS. JAMES C. BLAIR, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 15, 1928. Serial No. 109,444. 10 Claims. (Cl. 49—83.)

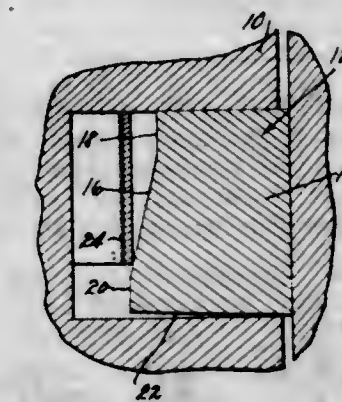
1. In sheet glass apparatus, a receptacle containing a mass of molten glass, said receptacle having an adjust-

able end adapted to form an orifice beneath the glass level of the glass therein, whereby a stream of glass flows from



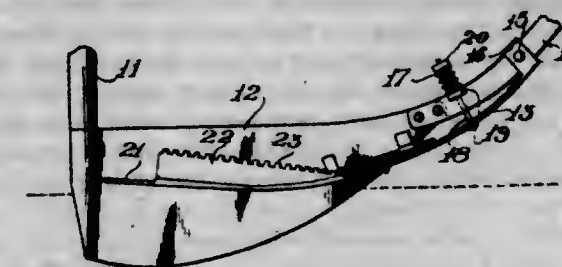
the receptacle under head pressure, means for adjusting said adjustable end to vary the size of the orifice, and means for reducing the stream to sheet form.

1,735,596. PISTON PACKING. SIMON A. BOWMAN, Hamilton, Ontario, Canada, assignor to Panyard Machine and Manufacturing Company, Muskegon, Mich., a Corporation of Michigan. Filed Sept. 22, 1927. Serial No. 221,165. 1 Claim. (Cl. 74—109.)



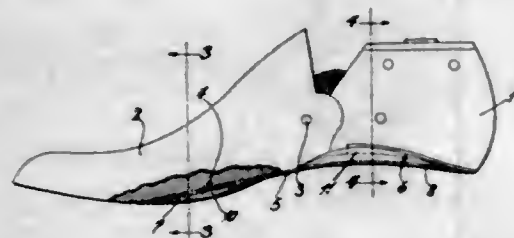
In combination with a cylinder provided with a working piston having a packing groove, packing in the groove comprising a packing ring having an outer face substantially the width of the groove in the piston, a pair of lateral faces the lower one of which is of substantially greater depth than the upper and slopes inwardly at an angle toward said upper face, a pair of inner faces substantially parallel to the outer face and positioned one adjacent to each lateral face, and an angular face connecting said inner faces, and a corrugated expansion spring of less width than the bottom of the groove disposed therein and bearing thereagainst at a plurality of points and having one edge engaging the upper lateral face of the groove and the opposite edge engaging the angular inner face of the ring.

1,735,597. SEED-DRILL-SHOE REGULATOR. MIKE CHICOLSKY, Sifton, Manitoba, Canada. Filed May 4, 1928. Serial No. 275,243. 4 Claims. (Cl. 97—190.)



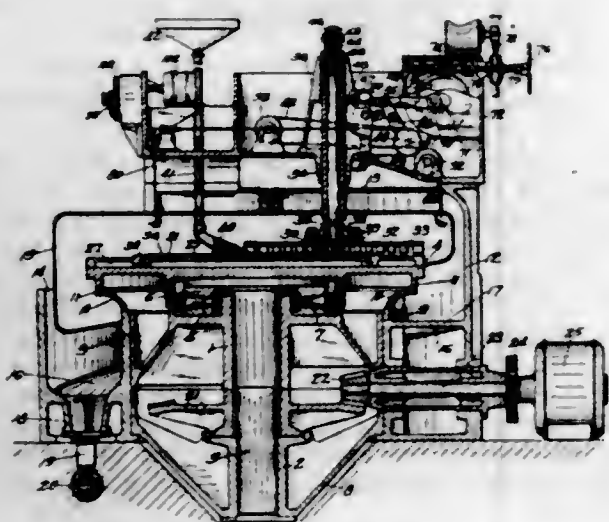
1. A seed drill shoe regulator including a ground surface engaging member straddling said shoe and adjustable vertically thereof; and a wedge member adjustable along the lower edge of said shoe for varying the position of said ground surface engaging member on said shoe and thus regulating the depth of travel of the said shoe in the soil.

1,735,598. SHOE LAST FOR THE CORRECTION OF CERTAIN AILMENTS OF THE HUMAN FOOT. JAMES ALVAH CRESLMAN, Chicago, Ill. Filed July 29, 1927. Serial No. 209,376. 2 Claims. (Cl. 12-133.)



1. A last having the under side of the heel portion inclining upwardly in an arcuate bevel from near the outer side to intersection with the inner side of said heel portion and being of greater upward incline toward the front end of the heel portion, and having a concave recess in the under side of the front portion thereof posterior to the heads of the metatarsal bones of the foot for which a shoe made on the last is intended.

1,735,599. APPARATUS FOR SURFACING PLATE GLASS. JOSEPH P. CROWLEY, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 27, 1923, Serial No. 659,435. Renewed Feb. 18, 1927. 12 Claims. (Cl. 51-131.)

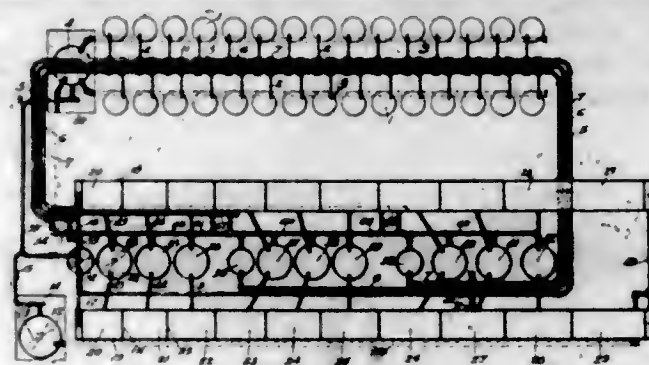


1. In an apparatus for surfacing sheet glass, a sheet-supporting table rotatable about a vertical axis, a surfacing element resting freely on the upper face of the sheet, means for rotating the table, means for raising and lowering the surfacing element to and from contact with the sheet, and automatic control mechanism for lowering the surfacing element into engagement with the sheet, starting the rotation of the table, and after a predetermined time elevating the surfacing element and stopping the table.

1,735,600. ABRASIVE-FEEDING SYSTEM FOR GLASS-GROUNDING MACHINES. JOSEPH P. CROWLEY, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 24, 1923. Serial No. 682,495. 17 Claims. (Cl. 51-263.)

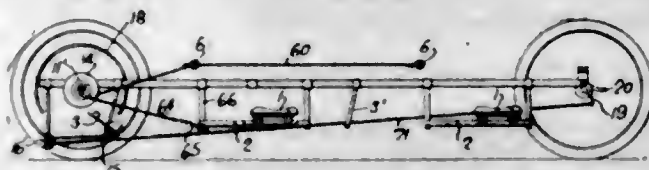
1. In a system for supplying abrasive to a plurality of grinding machines, means for maintaining a circulation of

the abrasive past the several machines, means at each machine permitting withdrawal of a portion of the abrasive when desired, a series of storage reservoirs for different



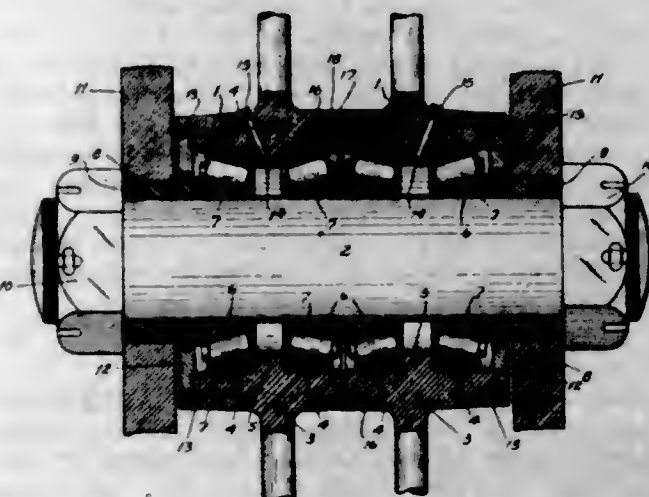
grades of abrasive, means permitting selective replenishment of the circulating system from these reservoirs, and a series of grading tanks for supplying the reservoirs.

1,735,601. VEHICLE. MANFRED CURRY, Munich, Germany, assignor to Curry Landskiff Corporation, New York, N. Y., a Corporation of New York. Filed May 12, 1926, Serial No. 108,679, and in Germany Jan. 4, 1926. 12 Claims. (Cl. 208-41.)



1. In a vehicle, including wheels and a frame, the combination of a rotatable element, a tractive element attached to the rotatable element and adapted to be wound thereon, means tending to wind said tractive element on said rotatable element, a seat carried by said frame, the relative position of said seat and said rotatable element being such that when the free end of said tractive element is pulled by a rider resting on said seat the tractive element will extend directly from the rotatable element to the rider and will be unwound from the rotatable element, and means for connecting said rotatable element to at least one of said wheels, said connecting means being arranged to cause a rotation of said wheels in one direction for the propulsion of the vehicle in response to the unwinding of said tractive element but to permit said wheel or wheels to rotate freely in said direction during the winding of said tractive element.

1,735,602. DOUBLE SHEAVE WHEEL. GEORGE W. CURTIS, Milwaukee, Wis., assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Apr. 2, 1927. Serial No. 180,435. 12 Claims. (Cl. 308-187.)



1. A sheave wheel construction comprising a pivot pin, a plurality of sheave wheels thereon, the bores of adjacent

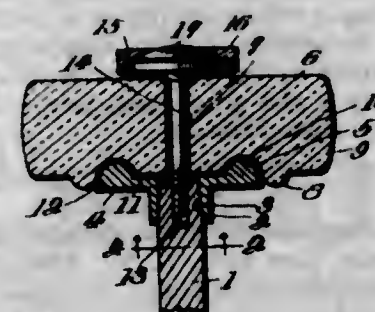
wheels communicating, roller bearings interposed between said pivot pin and said sheave wheels and an annular ring surrounding the abutting end portions of sheave wheels.

1,735,603. ATTACHMENT FOR SERVING RECEPTACLES. PAUL W. CURTIS, Dallas, Tex., assignor to Tray Service Company, Dallas, Tex., a Corporation. Filed Jan. 4, 1927. Serial No. 158,995. 8 Claims. (Cl. 65-16.)



1. Protective attachments adapted to be mounted detachably upon the rims of a tray for use in serving refreshments therein comprising, a skeleton frame device for supporting thereon a flexible protective cover and including vertical standards attachable to said rims, and spring clips mounted on said standards, respectively, for holding the several edges of said cover.

1,735,604. HANDLE. EDWARD L. DELANY, Brooklyn, N. Y. Filed Mar. 7, 1927. Serial No. 173,543. 9 Claims. (Cl. 292-348.)



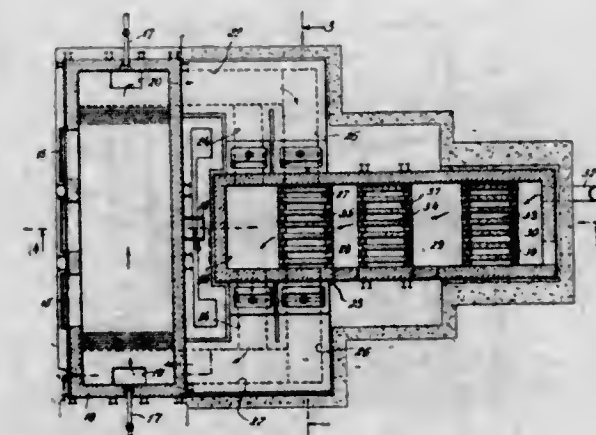
1. A handle of the character described comprising an operating stem, a bushing surrounding the valve stem and held against rotation thereon, a stamped attaching plate surrounding the bushing and held against rotation thereon, a handle having interlocking means with the attaching plate, and means for clamping the handle on the attaching plate.

1,735,605. HEATING FURNACE. WILLIAM H. FITCH, Allentown, Pa. Filed Dec. 18, 1926. Serial No. 155,592. 12 Claims. (Cl. 263-20.)



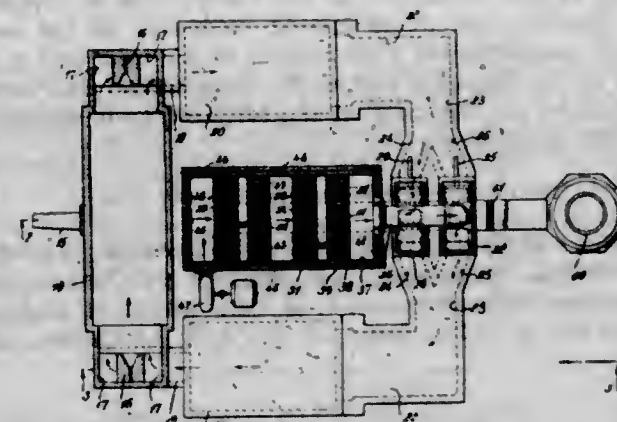
1. A recuperator for use in connection with a furnace for transferring heat from the burned gases therefrom to the air used for combustion therein which comprises a structure including a plurality of wide and narrow chambers arranged alternately in a row, the first chamber in the row having an inlet for air and the last chamber an air outlet, tubes for the flow of air connecting adjacent chambers, and passages for leading the hot gases past these tubes in a direction transverse to the direction of air flow therethrough.

1,735,606. HEATING FURNACE. WILLIAM H. FITCH, Allentown, Pa. Filed Dec. 18, 1926. Serial No. 155,593. 6 Claims. (Cl. 263-15.)



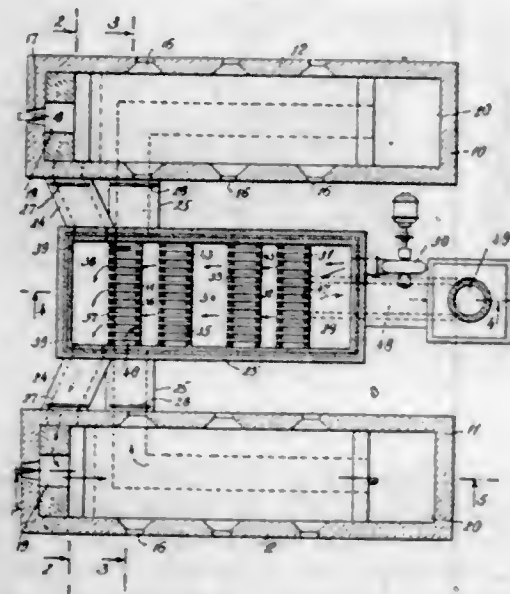
1. A recuperator for use in connection with a furnace for transferring heat from the burned gases therefrom to the air used for combustion therein, which comprises a structure including a series of separate chambers, each pair of adjacent chambers being connected by a bank of tubes, an inlet for air leading to the series of chambers, a passageway for conducting hot gases past the tubes, the passageway surrounding all the tubes in each bank and connected so that the waste gases pass alternately upwardly and downwardly through each bank, and a stack directly above the last bank of tubes and communicating with the passageway.

1,735,607. HEATING FURNACE. WILLIAM H. FITCH, Allentown, Pa. Filed Dec. 18, 1926. Serial No. 155,594. 2 Claims. (Cl. 263-15.)



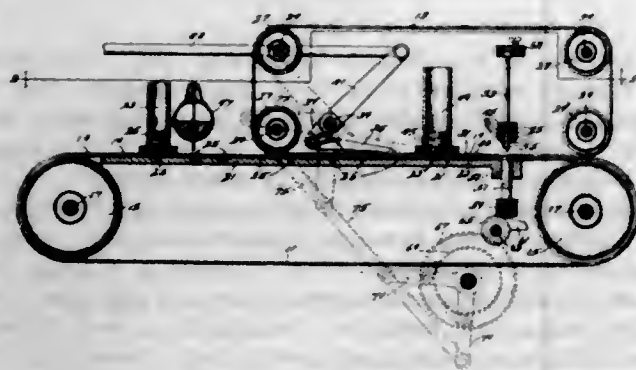
2. A furnace installation comprising the combination of a furnace adapted to be fired from opposite ends in alternation, a recuperator arranged for a horizontal flow of air through ducts surrounded by combustion gases, said recuperator being adapted to effect recovery of the greater amount of the heat of waste gases generated during operation of the furnace, chambers on either side of the recuperator adapted to effect removal of a large proportion of solid materials suspended in the said gases and thereby tending to maintain cleanliness in and prolong the usefulness of the recuperator, ducts connecting the air outlet and the combustion gases inlet of said recuperator to each of the said chambers, ducts connecting the ends of the said chambers opposite to the aforementioned ends with the combustion chamber, settling chambers in the last-mentioned ducts, and means in said second-named ducts for selectively connecting one of the chambers first mentioned to the air outlet end of the recuperator and the other such chamber to the gas inlet end of the recuperator.

1,735,608. HEATING FURNACE. WILLIAM H. FITCH, Allentown, Pa. Filed Dec. 18, 1926. Serial No. 155,595. 7 Claims. (Cl. 263—15.)



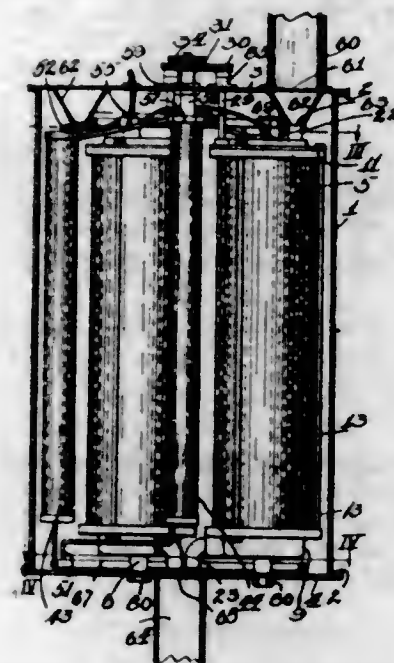
1. A furnace installation comprising a pair of furnaces, each comprising an elongated combustion chamber having a burner at one end, an air inlet adjacent this end, and an outlet for gases at the end remote therefrom, these furnace chambers lying side-by-side, a recuperator lying between the furnace with its axis parallel thereto, containing separate passageways for air and gases arranged to cause the air and gases to simultaneously flow in heat transfer relationship, ducts connecting the air inlets and gas outlets of both furnaces to the air and gas passageways of the recuperator, the ducts from each furnace leading to the same end of the recuperator at opposite sides thereof, said ducts having diameters of the same order of magnitude as their length, an air inlet and a gas outlet at the opposite end of the recuperator, and means in the ducts for shutting off the furnace out of operation from the recuperator.

1,735,609. DISK-ASSEMBLING MECHANISM. LOUIS T. FREDERICK, Valparaiso, Ind., assignor to Chicago Mica Company, Valparaiso, Ind., a Corporation of Indiana. Filed Feb. 6, 1928. Serial No. 252,412. 18 Claims. (Cl. 154—1.)



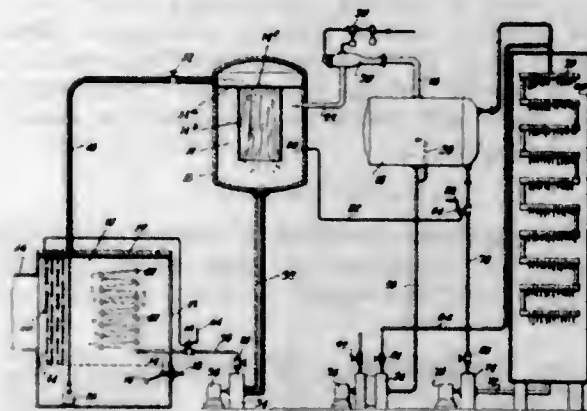
1. In a device of the class described, conveyor means having pockets for receiving flat members, said pockets being so arranged in the conveyor that flat members deposited therein are arranged in a desired relative stacked relationship and means for ejecting said flat members from said pockets while in said stacked relationship.

1,735,610. APPARATUS FOR TREATING FLUIDS WITH ULTRA-VIOLET LIGHT. FRED E. GOODALL and ROBERT H. VAN SANT, Chicago, Ill. Filed Oct. 25, 1926. Serial No. 144,144. 6 Claims. (Cl. 99—2.)



2. An apparatus for treating fluids with ultra-violet light, comprising a closed container, a plurality of units therein each comprising hollow vessels through which the fluid is adapted to flow and an ultra-violet lamp within said hollow vessels and ultra violet lamps outside of said units but within said container.

1,735,611. APPARATUS FOR CONDITIONING AIR. LOUIS HELMER, New York, N. Y. Filed Jan. 31, 1929. Serial No. 336,383. 2 Claims. (Cl. 261—118.)

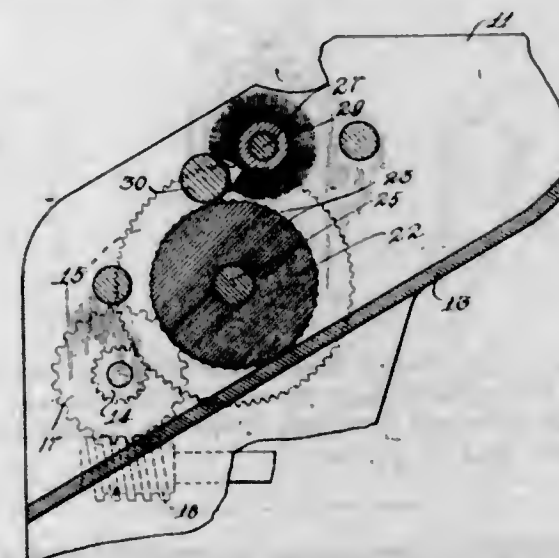


1. An apparatus for conditioning air comprising a dehumidifying chamber, means for spraying water into said chamber, an evaporator, means for evaporating a portion of the contents of said evaporator, means for condensing the evaporated material, and means for automatically raising the pressure within the system when the temperature of the water in the evaporator falls to a predetermined figure.

1,735,612. WASHER-CONDITIONING MACHINE. EDWARD HUTCHENS, Milwaukee, Wis. Filed Nov. 1, 1926. Serial No. 145,693. 3 Claims. (Cl. 80—31.1.)

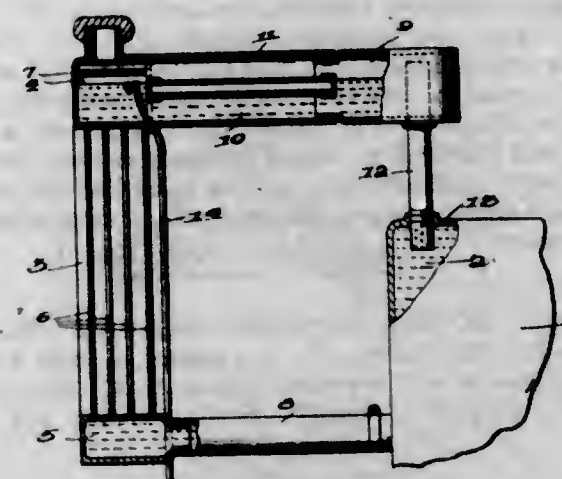
2. In a machine for reducing washers to a predetermined size, a slanting trough-like receptacle for washers, a roll having a plurality of slots for receiving washers from said

receptacle, said roll being mounted in and transversely of said receptacle and in the path of the washers therein, a brush mounted transversely of the receptacle and positioned to dislodge washers improperly seated in said slots in the roll, and a roller for flattening the washers in the slots of said roll.



tioned to dislodge washers improperly seated in said slots in the roll, and a roller for flattening the washers in the slots of said roll.

1,735,613. SIPHON CIRCULATING SYSTEM FOR AUTOMOBILES. SAMUEL KAYE, Columbus, Miss.; B. G. Hazard and Robin Weaver executors of Samuel Kaye, sr., deceased. Filed Apr. 15, 1927. Serial No. 184,061. 10 Claims. (Cl. 123—174.)

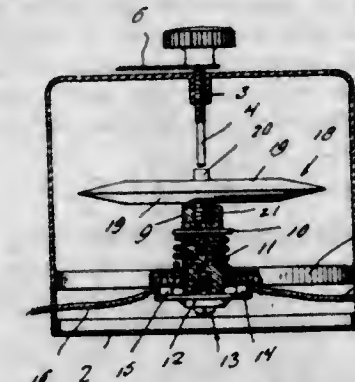


1. In a water circulating system, the combination with an engine water jacket, of a radiator having an upper condensing chamber therein, a separating chamber communicating with said upper condensing chamber in the upper and lower portions thereof, a tube communicating with the engine water jacket and extending into the separating chamber to a point in the upper portion thereof, and an overflow pipe extending downward from the upper condensing chamber, and having the upper end thereof at a point in said chamber below the level of the discharge end of the tube.

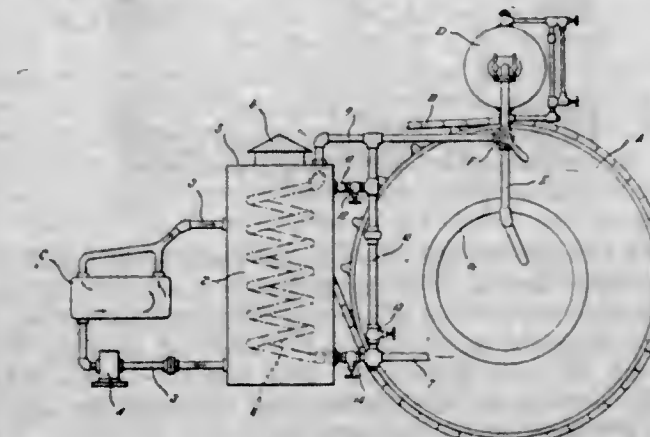
1,735,614. HEAT-CONTROLLED ELECTRIC SWITCH. JACKSON W. LAYMAN, Marionville, Mo. Filed Apr. 2, 1927. Serial No. 180,487. 2 Claims. (Cl. 200—140.)

1. In a structure of the class described, a hollow casing, a partition mounted in said casing and formed with an opening, electrical contacts mounted on said partition on opposite sides of said opening, a plunger slidable through said opening, a relatively movable contact member carried by said plunger and adapted to bridge said first named contacts, spring means associated with the plunger and

partition for maintaining said movable member normally in engagement with said contacts, a thermostat carried by said plunger, a manually adjustable stop member carried by said casing and cooperable with said thermostat, and indicating means carried by said device and located on the exterior of said casing.

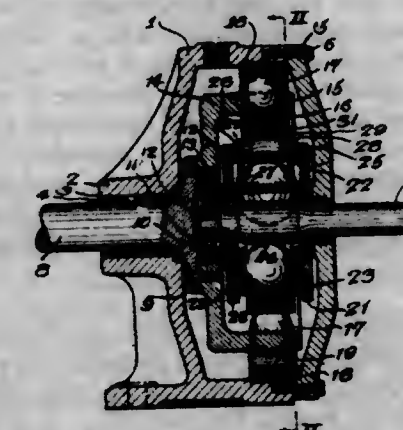


1,735,615. MEANS FOR TEMPERING WATER FOR CONCRETE MIXERS AND FOR COOLING THE MOTOR THEREFOR. JOHN C. MERWIN, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 24, 1927. Serial No. 193,891. 10 Claims. (Cl. 83—73.)



1. In a concrete mixing apparatus the combination with a mixing drum and an engine for driving it, of a water-circulating system for cooling the engine, including a tank containing a large body of the water used for cooling, and a conduit through which water is delivered to the drum for wetting the material therein, the said conduit leading through the tank of the cooling water-circulating system, the parts operating as described to cool the water in the tank and to heat the water delivered to the mixing drum.

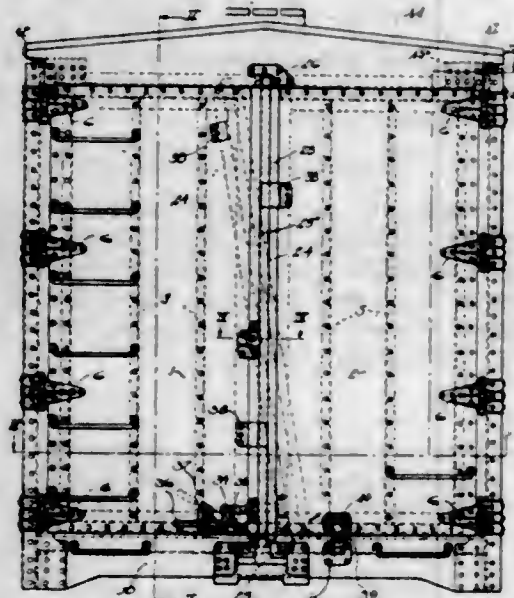
1,735,616. EPICYCLIC BALL TRANSMISSION. GEORGE SMITH MORISON, Pittsburgh, Pa., assignor to Morison Incorporated, Pittsburgh, Pa., a Corporation of Delaware. Filed July 23, 1926. Serial No. 124,352. 11 Claims. (Cl. 74—34.)



1. A transmission device comprising in combination, a pair of coaxially aligned shafts, rollers disposed around

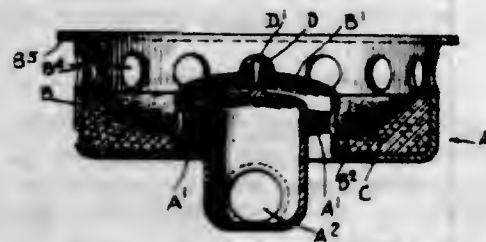
one of said shafts in angular spaced relation, two of said rollers having unequal diameters, a free roller race disposed around and contacting with said rollers, a cage member secured to rotate with the other of said shafts having apertures provided therein, a plurality of roller members mounted in the apertures of said cage and adapted for engagement with said race, and a fixed corrugated fulcrum member disposed around and contacting with said last named rollers.

1,735,617. HOUSE-CAR END DOOR. KARL E. NYSTROM, Chicago, Ill., assignor to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 11, 1926. Serial No. 128,534. 3 Claims. (Cl. 189-46.)



1. In a house car end construction comprising a pair of hinged doors having overlapping frontal margins, a swingable locking bar pivoted intermediate its ends to one door, keepers upon the upper and lower parts of said car for receiving the ends of said bar, said keepers and the ends of said bar having interlocking parts for tying the upper and lower parts of the car together.

1,735,618. BURNER UNIT FOR GAS HEATING APPARATUS. HENRY W. O'DOWD, Jersey City, N. J., assignor to Standard Gas Equipment Corporation, a Corporation of Maryland. Filed Sept. 18, 1925. Serial No. 57,057. 7 Claims. (Cl. 158-99.)



1. A burner unit for gas heating apparatus comprising a Bunsen burner member formed with a circular series of laterally directed flame ports, and a pan-shaped shell surrounding said burner member and forming a localized combustion chamber therefor, the said shell being provided with a raised central portion forming a secondary air chamber wherein the burner member is located, and having openings in its side wall leading from the secondary air chamber into the combustion chamber adjacent the flame ports.

1,735,619. VANITY CASE. PHILIP A. REUTTER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 24, 1927. Serial No. 242,307. 2 Claims. (Cl. 132-83.)

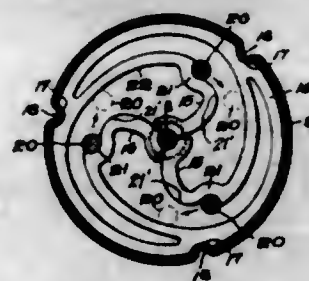
1. A vanity box or case comprising a relatively thin circular loose powder containing shell provided with a lat-

erally extending stem terminating in an enlarged head, a passage through the stem and connecting with the shell for the passage of powder therefrom, powder dispensing orifices in the head, means for opening and closing the



orifices, a puff holding tray in the container shell, and a hinged cover smaller than the case over the tray and having a flange arranged for close frictional engagement with the inner wall of the tray.

1,735,620. SEPARABLE FASTENER. HOWARD A. SALLEY, Rehoboth, Mass. Filed May 14, 1929. Serial No. 362,994. 19 Claims. (Cl. 24-110.)



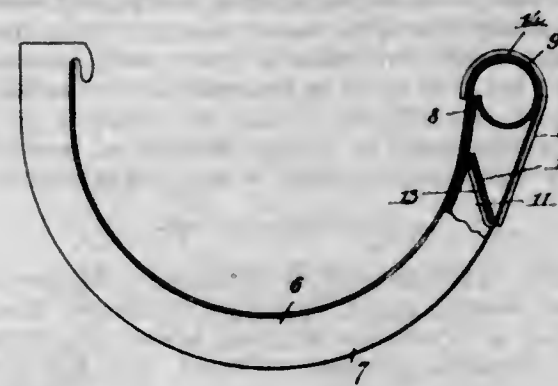
1. In a separable fastener, the combination of two separable parts, one comprising a stud, and the other comprising stud-locking means interlocking with said stud, and rotary actuating means to cause said stud-locking means to move into and out of interlocking engagement with said stud, said stud-locking means having provision for cooperating with said actuating means to utilize the latter to lock said stud-locking means positively in such interlocking engagement.

1,735,621. SUCKER-IMPALING MACHINE. WALTER H. SERGEANT, Middletown, N. Y., assignor to Ideal Wrapping Machine Co., a Corporation of New York. Filed Jan. 19, 1927. Serial No. 162,197. 18 Claims. (Cl. 107-8.)



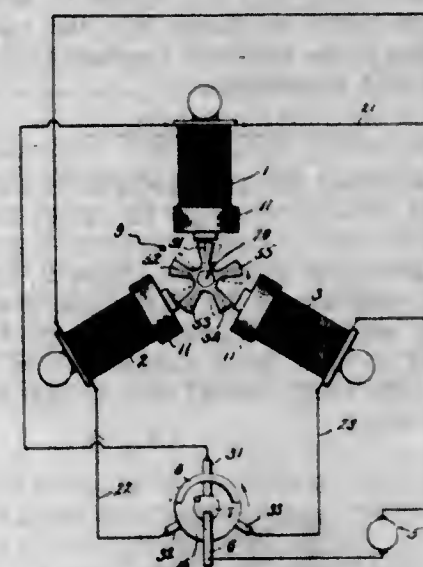
18. In a sucker impaling machine, means for retaining a plurality of wrapped suckers in impaling position, a reciprocable stick magazine for positioning a plurality of sticks with respect to said wrapped suckers, a combined guide and stripper plate movable in advance of said magazine and adapted for abutting said suckers, and a striker for simultaneously driving said sticks into said suckers.

1,735,622. GUTTER HANGER. SAMUEL STÖCKLER, White Plains, and MAURICE STÖCKLER, Pleasantville, N. Y. Filed Oct. 13, 1928. Serial No. 312,277. 6 Claims. (Cl. 108-29.)



1. In a gutter hanger, a circle to receive the gutter, a pocket at one end of said circle, a cleat formed of flexible metal, and a tongue at one end of said cleat to engage and lock in said pocket.

1,735,623. DISTANCE MEASURING APPARATUS. GEORGE WALKER, Newton Center, Mass. Filed Dec. 15, 1926. Serial No. 154,966. 1 Claim. (Cl. 172-289.)

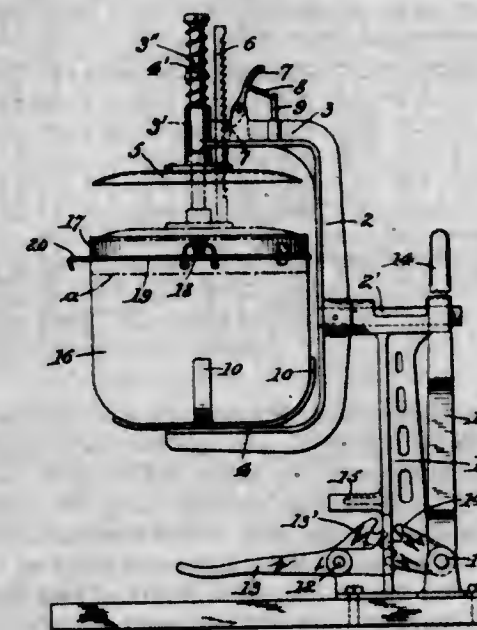


A step motor comprising a rotor and a stator, one having a series of electromagnets distributed about the axis of the rotor, a short-circuited secondary associated with each electromagnet, and means for energizing the magnets in predetermined sequence so that each magnet is deenergized an interval after the next succeeding magnet is energized less than the total interval of energization, whereby the energization of the successive magnets overlap for a comparatively short time to provide a braking action at the instant of energization and the short-circuited secondaries cause the rotor torque to be applied and relinquished gradually.

1,735,624. APPARATUS FOR PACKING FRUIT. JOHN F. WEATHERLY, Chattanooga, Tenn. Filed July 26, 1927. Serial No. 208,525. Renewed Apr. 5, 1929. 15 Claims. (Cl. 226-17.)

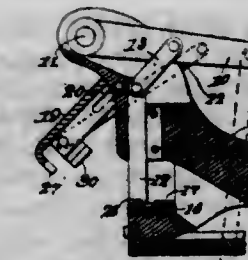
1. A fruit basket packing device comprising a support, a fruit basket supporting bracket pivotally mounted on said support, a facing form having a stem slidably and adjustably mounted in said bracket and normally disposed

above the filled basket to engage fruit carried by the basket to face and hold the fruit upon inversion of the basket and bracket about said pivot.



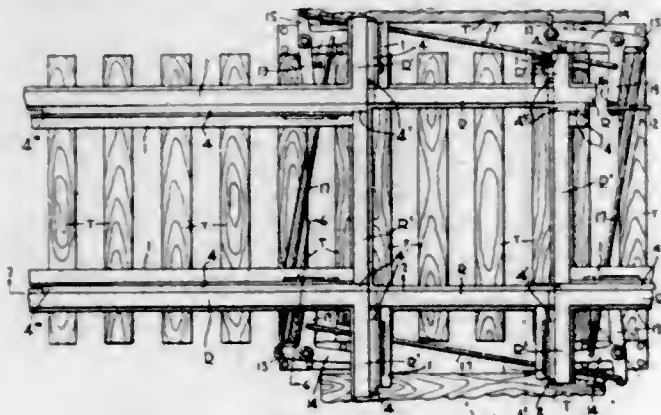
8. A fruit basket packing device comprising a main support, a U-shaped bracket eccentrically pivoted to said support for rotary movement thereon, a fruit basket support mounted on one arm of the bracket and a facing form having a stem slidably and adjustably mounted in the other arm of the bracket and movable toward or away from the upper end of the basket, a facer ring adapted to be mounted on the upper rim of the basket, said facer ring having projections adapted to extend through the handles of the basket, a removable bottom for said facer ring adapted to rest upon and close the upper end of the basket, said bottom having slots to receive the handles of the basket and to clamp them in engagement with the facer ring, said facing form being adapted to engage fruit on the removable bottom to face the fruit and hold the pack upon inversion of the basket and bracket about said pivot, said removable bottom being adapted to be removed after inversion of the basket, and pressing means comprising levers adapted to cooperate with said stem to press the pack while the basket is inverted.

1,735,625. CLINCHING PRESS. CLEMENT PIERCE WILSON, Cedar Rapids, Iowa. Filed May 31, 1929. Serial No. 367,496. 4 Claims. (Cl. 1-4.)



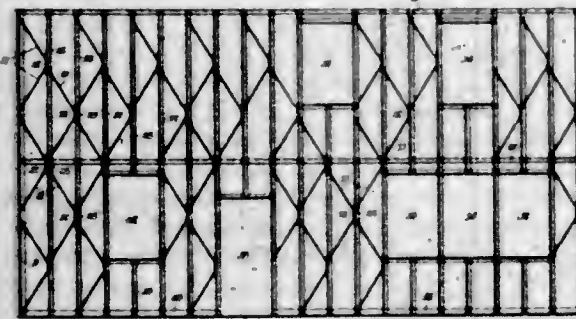
3. In a press of the designated character, a die adapted to guide and support the loop of a staple having angled and upturned tangs, and having a guide-stop for a welded fabric, a plunger cooperating with the die to clinch said tangs around the welt, a tiltable and slidable presser-plate having a slotted finger preceding the plunger and adapted to force the fabric over the tangs, a guide for the presser-plate during its said operation, means cooperating with both the plunger and presser-plate to actuate them in their working movements, and to tilt the presser-plate outwardly from under the plunger, and a recoil spring adapted to restore the presser-plate guide-engaging position.

1,735,626. RAILWAY CROSSING. JOHN F. ZIMMERMAN, Springfield, Ohio. Filed Nov. 15, 1928. Serial No. 319,492. 8 Claims. (Cl. 246—273.)



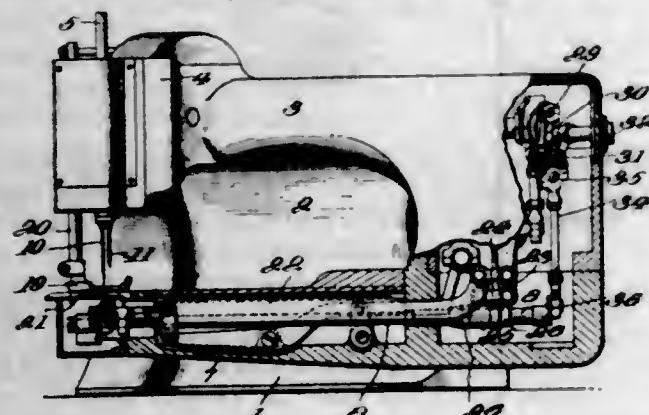
1. In a railway crossing, a bar associated with each rail in longitudinal alignment and spaced-apart relation with the inner side thereof, the inner end of said bar forming a block to close the space between rails, the outer end of said bar standing in the path of the flanges of the wheels of a track vehicle so as to be depressed thereby, means for supporting said bar in operative position, and means operated by the depression of said bar and connected therewith for withdrawing said bar from operative position.

1,735,627. STEEL FRAME FOR BUILDINGS. WALTER A. BATES, Gary, Ind., assignor to Walter Bates Steel Corporation, Gary, Ind., a Corporation of Delaware. Filed Nov. 23, 1927. Serial No. 235,146. 15 Claims. (Cl. 189—1.)



1. A steel frame comprising a plurality of commercial shapes, which shapes have portions thereof swedged to form diagonals, the diagonals in each of said shapes being united to unswedged portions of an adjacent shape disposed with relation to the diagonals in the next adjacent shape to form substantially straight line struts.

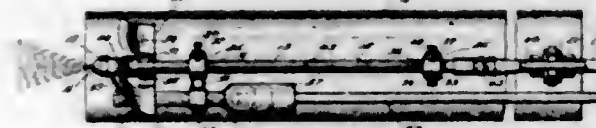
1,735,628. LOOPER-OPERATING MECHANISM FOR SEWING MACHINES. JOSEPH BERGER, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 28, 1926. Serial No. 84,402. 7 Claims. (Cl. 112—200.)



1. A looper operating mechanism for sewing machines comprising a looper supporting shaft, a thread carrying

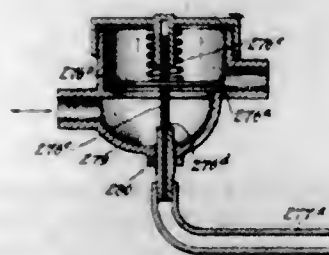
member rigidly secured to said shaft, an actuating shaft for said looper supporting shaft, a crank on said actuating shaft, a crank on said looper supporting shaft, a lever pivotally supported at one side of a line joining the centers of said shafts and having its pivotal axis substantially parallel with the axis of the actuating shaft, a link pivoted to the crank on the actuating shaft and to said lever, and a second link pivoted to the lever and to said crank on the looper shaft, said pivotal connections between the links and the lever being so disposed that the looper operating shaft is oscillated through its entire throw while the actuating shaft is moving through an arc of considerably less than one hundred and eighty degrees.

1,735,629. HYDROCARBON BURNER. MARSHALL H. BRADEN, Providence, R. I., assignor to Braden Engineering, Inc., a Corporation of Rhode Island. Filed Feb. 14, 1929. Serial No. 339,896. 9 Claims. (Cl. 175—115.)



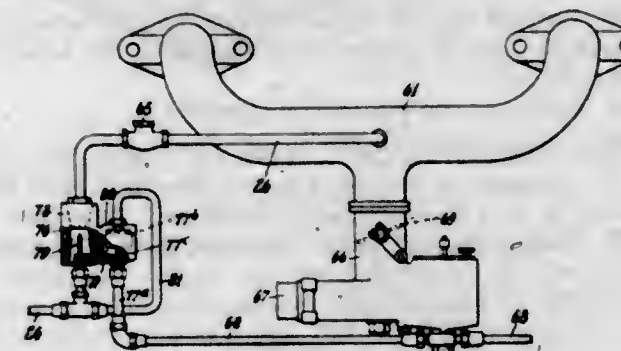
1. In a hydrocarbon burner assembly, a nozzle, an insulator supported by the nozzle adjacent thereto, an electrode in electrical circuit with the nozzle mounted in the insulator cooperating with the nozzle to form a spark, an electric conductor extending into the insulator, and means inclosing in the insulator for detachably connecting the electrode and conductor.

1,735,630. METHOD OF AND APPARATUS FOR OPERATING SUCTION-ACTUATED DEVICES IN CONNECTION WITH THE SUCTION PASSAGE OF AN INTERNAL-COMBUSTION ENGINE. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLISSRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Feb. 26, 1925. Serial No. 11,683. 27 Claims. (Cl. 123—127.)



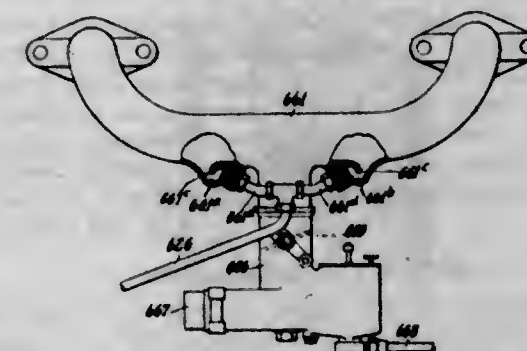
1. The combination with an internal combustion engine provided with a suction passage, an engine carburetor connected therewith for normally supplying the explosive charges to the engine at all speeds, and a throttle valve controlling said passage, of a suction actuated device, a suction connection therefrom to said suction passage, means for introducing fuel into said suction connection operating independently of the engine carburetor, and provided with a controlling valve for preventing the admission of fuel to said connection when said valve is closed, and means for automatically regulating said valve to open the same when air withdrawn from the suction actuated device is passing through said connection in quantities sufficient to materially affect the operation of the engine if not fuelized, and to maintain said valve closed at all other times when the engine is in operation.

1,735,631. APPARATUS FOR OPERATING SUCTION-ACTUATED DEVICES IN CONNECTION WITH THE SUCTION PASSAGE OF AN INTERNAL-COMBUSTION ENGINE. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLISSRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed Feb. 26, 1925, Serial No. 11,683. Divided and this application filed June 11, 1926. Serial No. 115,162. 10 Claims. (Cl. 123—127.)



1. The combination with an internal combustion engine provided with a suction passage, an engine carburetor communicating therewith for supplying the normal charges for the engine at all speeds, and a throttling valve for said passage located between the carburetor and the engine cylinder, of a suction actuated device, an air connection extending therefrom to said suction passage, between the throttle valve and the engine cylinders, a separate carburetor operating independently of the engine carburetor located in said air connection between the valve mechanism of the suction actuated device and the suction passage and subjected at all times to the maximum rarefaction in said suction passage, means for supplying fuel to said carburetors, said separate carburetor having an air tight float chamber, a float and liquid fuel level control valve connected therewith, and means for equalizing the pressures in the said float chamber above the liquid therein and in the said air connection to prevent the discharge of liquid from said separate carburetor at all times except when air is flowing through said air connection from the operation of the suction actuated device, to fuelize said air and prevent the engine from stalling if idling.

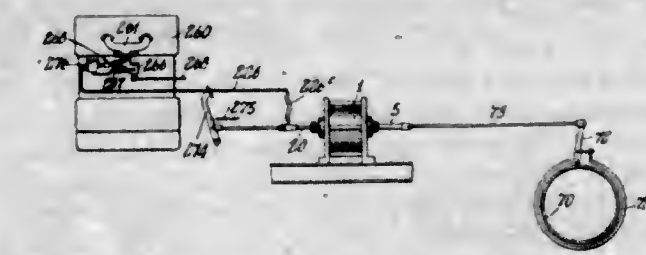
1,735,632. APPARATUS FOR OPERATING SUCTION-ACTUATED DEVICES IN CONNECTION WITH THE SUCTION PASSAGE OF AN INTERNAL-COMBUSTION ENGINE. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLISSRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed Feb. 26, 1925, Serial No. 11,683. Divided and this application filed June 11, 1926. Serial No. 115,163. 11 Claims. (Cl. 123—198.)



1. The combination with an internal combustion engine, provided with a suction passage, an engine carburetor operatively connected therewith, and a throttle valve for said

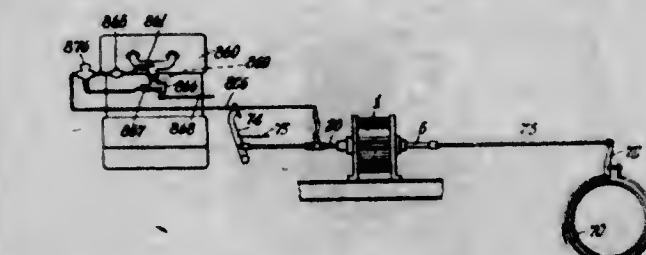
passage, of a trap for collecting liquid fuel deposited in said suction passage, a suction actuated device provided with controlling valve mechanism, a constantly open suction connection from said suction actuated device to said trap and suction passage for passing the air withdrawn by the suction in said suction passage from the suction actuated device in contact with said trapped liquid fuel, to carburetor the said air, before it enters the suction passage, of the engine, to prevent interference with the operation of the engine and stalling it if idling, by the operation of the suction actuated device.

1,735,633. APPARATUS FOR OPERATING SUCTION-ACTUATED DEVICES IN CONNECTION WITH THE SUCTION PASSAGE OF AN INTERNAL-COMBUSTION ENGINE. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLISSRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed Feb. 26, 1925, Serial No. 11,683. Divided and this application filed June 11, 1926. Serial No. 115,164. Renewed June 20, 1929. 13 Claims. (Cl. 123—127.)



1. The combination with an internal combustion engine provided with a suction passage, an engine carburetor connected therewith, for normally supplying the explosive charges to the engine at all speeds, and a throttle valve controlling said passage located between the carburetor and the engine cylinders, of a suction actuated device, a suction connection therefrom connected to said suction passage between the throttle valve and the engine cylinders and subjected at all times to the maximum rarefaction in the suction passage, means for introducing fuel into said suction connection between the valve mechanism of the suction actuated device and the suction passage of the engine, operating independently of the engine carburetor, and provided with a normally closed valve, and automatic regulating means operated by the passage of air through said suction connection from the suction actuated device and attached to said fuel valve for opening said valve when air is passing from the suction actuated device through said suction connection in sufficient quantities to materially effect the operation of the engine if not fuelized, and to maintain said valve in closed position at all other times when the engine is in operation.

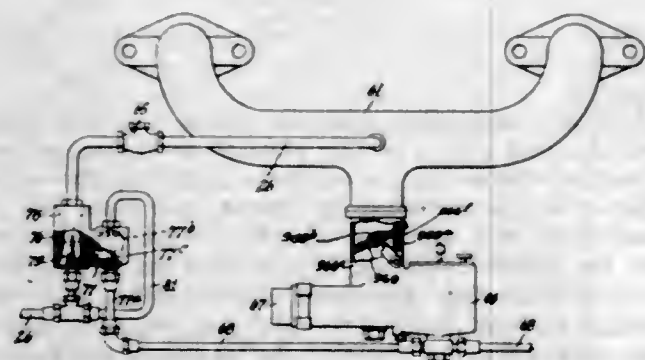
1,735,634. FUELIZER FOR INTERNAL-COMBUSTION ENGINES OPERATING POWER ACTUATORS. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLISSRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed Feb. 26, 1925, Serial No. 11,683. Divided and this application filed June 11, 1926. Serial No. 115,165. 7 Claims. (Cl. 261—63.)



1. Means for carbureting air withdrawn from a suction actuated power actuator to the suction passage of an in-

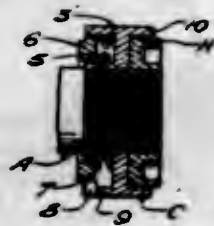
ternal combustion engine acting as a source of suction, comprising a separate carburetor provided with a main chamber, a jet nozzle therefor, a liquid fuel supply for said nozzle, an auxiliary vacuum chamber communicating with said main chamber, an air valve adapted to close the communication between said chambers, a fuel valve for said nozzle, operatively connected with the air valve, yielding means normally holding said air valve in open position and the fuel valve in closed position, whereby said fuel valve will be held normally closed to prevent the discharge of fuel into said air connection when the suction actuated device is inoperative and until sufficient quantities of air are drawn from the suction actuated device into said air connection to increase the pressure therein sufficiently to overcome said yielding means and effect the closing of the air valve and the opening of the fuel valve.

1,735,635. APPARATUS FOR OPERATING SUCTION-ACTUATED DEVICES IN CONNECTION WITH THE SUCTION PASSAGE OF AN INTERNAL-COMBUSTION ENGINE. CALEB S. BRAGO, Palm Beach, Fla., and VICTOR W. KLESBATH, Port Washington, N. Y., assignors to Bragg-Klesbath Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed Feb. 26, 1925, Serial No. 11,683. Divided and this application filed June 11, 1926, Serial No. 115,166. Renewed Aug. 21, 1928. 6 Claims. (Cl. 123-127.)



1. The combination with an internal combustion engine, provided with a suction passage communicating with the engine cylinder or cylinders, an engine carburetor connected with said passage, a throttle valve for controlling said passage, a suction actuated device, an air connection therefrom to said suction passage, connected to the latter between the throttle valve and the engine cylinders, of means for introducing fuel into the air withdrawn from the suction actuated device, whereby said air will reach the said suction passage of the engine in the form of a combustible mixture, said throttle valve being provided with an aperture therein, a yielding normally closed valve for said aperture, adapted to be opened by the maximum rarefaction in the suction passage, when the engine is idling, and to close when carbureted air is drawn into said suction passage from the suction actuated device so as to reduce the degree of rarefaction in said passage below a predetermined point.

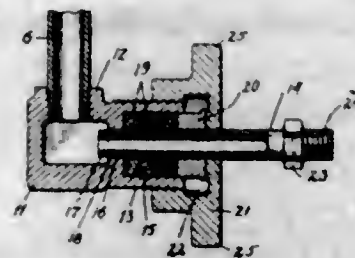
1,735,636. FLEXIBLE COLLAR. RYLAND P. BRYANT, Marion, S. C. Filed Aug. 21, 1928. Serial No. 130,635. 2 Claims. (Cl. 308-165.)



2. In an article of the character described, a collar comprising a relatively broad annular outer portion, an annu-

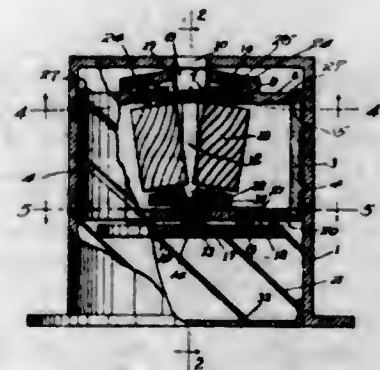
lar web formed about the inner wall at the center thereof, a flange formed throughout the edge of said web and projecting laterally therefrom, concentric with and to a point in the same plane as the adjacent edge of the outer portion, a washer surrounding said flange and the edges of the flange and outer portion, a resilient member interposed between the said washer and web and normally urging the washer outwardly, means for establishing screw-thread connection between said flange and supporting arbor, a nut designed to be threaded upon the arbor and to extend into the outer portion to bear against said web, and a coupling pin between said collar and said washer, carried by the outer portion of the collar, and engaging in a notch formed transversely of the periphery of the washer.

1,735,637. SWIVEL JOINT. HYMAN E. COHEN, Brooklyn, N. Y., assignor to Pantex Pressing Machine, Inc., Pawtucket, R. I., a Corporation of Delaware. Filed May 14, 1927. Serial No. 191,366. 1 Claim. (Cl. 285-122.)



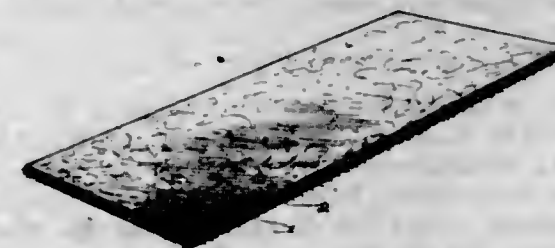
A swivel joint adapted for use in the steam line of the movable pressing member of a steam pressing machine, including a casing for connection with the fixed section of the steam line having an opening for receiving the movable section, the movable section having a threaded portion at its extremity, and the fixed section a reduced internally threaded opening fitting the thread, the movable section having a plain reduced portion between the threaded extremity and the body of the section of a length to enable the threads of the sections to clear each other, thereby to enable free rotation between the sections, said casing having a sleeve extension coaxial with the threaded opening for receiving a packing and having an internal shoulder at the junction of the sleeve extension with the casing providing an abutment for the packing, a packing within the enlargement, a collar encircling the movable section within the enlargement and engaging the packing, and a nut threaded onto the casing and bearing against the collar whereby the packing may be compressed between the shoulder and the collar.

1,735,638. PENCIL SHARPENER. HARRY COHEN, Washington, D. C. Filed Oct. 11, 1921. Serial No. 507,032. 17 Claims. (Cl. 120-96.)



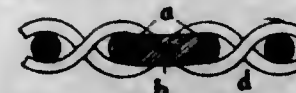
1. A pencil sharpener comprising rotating and revolving cutters, means for revolving said cutters and means for rotating said cutters operative upon a longitudinal movement thereof.

1,735,639. GUN-WAD MATERIAL. JOHN J. DENSTEN, Philadelphia, Pa., assignor to Densten Felt & Hair Co., Inc., Philadelphia, Pa., a Corporation of Massachusetts. Filed Feb. 8, 1928. Serial No. 252,899. 5 Claims. (Cl. 28-4.)



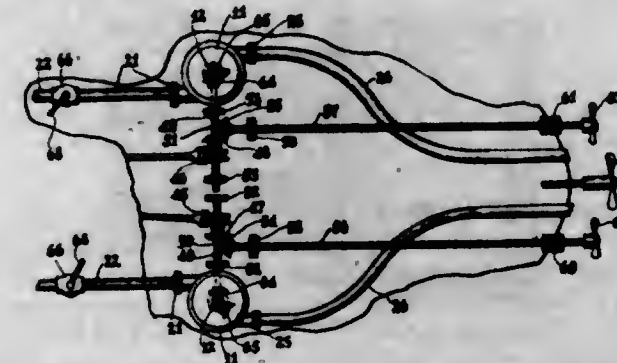
5. A gun wad material, comprising a coarse textile fabric interlaced with fibers, said material being sized and relatively hard.

1,735,640. METHOD OF MAKING ENDLESS WIRE FABRICS. RENÉ FRANCK, Selestat, France. Filed Dec. 30, 1927, Serial No. 248,778, and in France-Jan. 6, 1927. 3 Claims. (Cl. 245-10.)



1. In the method of forming Fourdrinier mesh, the steps of providing end wett wires of part fusible and part non-fusible metal, weaving them into the ends of the fabric to be joined, bringing the ends of the fabric together, and then applying heat to cause the fusible metal to join the parts together.

1,735,641. MARINE TURBINE. ISIDRO GARCIA, Buenos Aires, Argentina. Filed June 25, 1928. Serial No. 288,004. 2 Claims. (Cl. 115-35.)

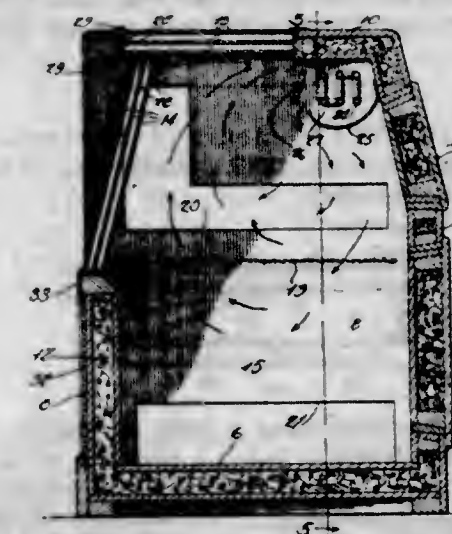


1. In a device of the class described having a pair of propellers on opposite sides of the rear of a ship, gears connected for driving the propellers, other gears arranged to mesh or to move out of mesh with the said gears and mounted on shafts connected with water turbines, a means for manually simultaneously moving the second mentioned gears to the said positions, valves for controlling the water turbines, and means for manipulating and locking the valves.

1,735,642. REFRIGERATOR SHOW CASE. MEYER GAZENBURG, Philadelphia, Pa., assignor to National Refrigerator Co., Philadelphia, Pa. Filed Sept. 30, 1927. Serial No. 228,088. 6 Claims. (Cl. 62-87.)

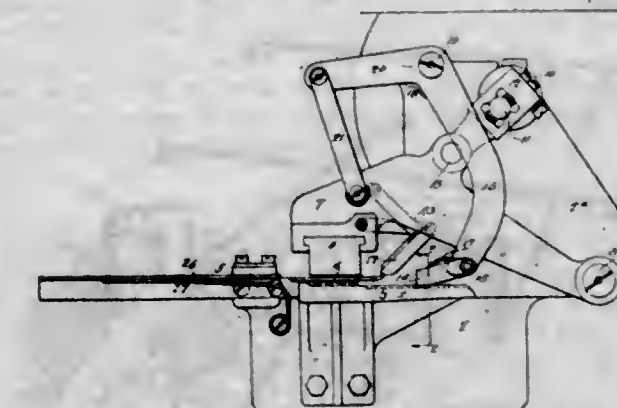
1. A refrigerator case including end and intermediate refrigerating elements, a goods support between the end refrigerating elements, apertured partitions to direct cir-

ulation of cooled air through the end portions of the goods support in longitudinally extending paths, and means defining spaced paths at the forward side of the



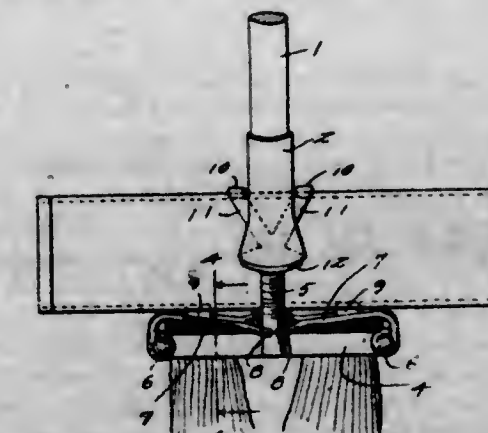
intermediate refrigerating element to direct circulation of cooled air through the intermediate portion of the goods support in a transversely extending path.

1,735,643. PROCESS OF FEEDING TAGS AND LIKE ARTICLES AND MECHANISM THEREFOR. GEORGE W. HENRY, Jr., Philadelphia, Pa., assignor to Soarbar Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 4, 1928. Serial No. 282,741. 2 Claims. (Cl. 271-2.5.)



1. The process herein described of feeding tag-strips and the like in a printing machine, in which the strip is partly severed by transverse slits, said process consisting in bending a portion of the tag-strip between the slits so as to expose the edge of an adjoining section, and then feeding the strip forward by a feeding device which bears against the exposed edge of the strip directly in advance of the section which is bent out of alignment.

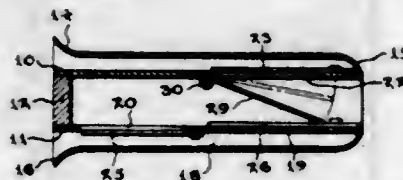
1,735,644. BRUSH AND MOP HOLDING HANDLE. NIKOLAI HILL, Mellen, Wis. Filed Feb. 23, 1929. Serial No. 342,192. 4 Claims. (Cl. 15-126.)



1. A device of the character described, comprising a handle, a shaft aligned with the handle and adjustable

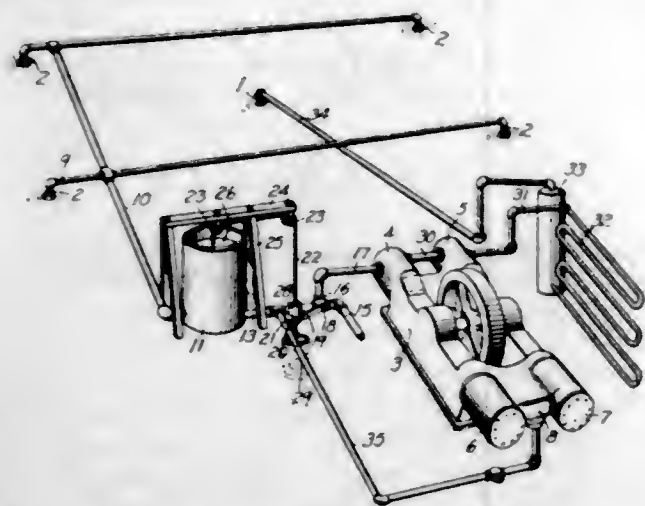
relative thereto, a brush engaging jaw carried by the shaft normally adjacent the handle end, a brush engaging jaw carried by the shaft remote from the handle and movable with the shaft relative to the first jaw, and means associated with the second mentioned jaw for gripping a mop body.

1,735,645. HARMONICA. ABRAM E. HOSTETTER, Hope, Kans. Filed June 23, 1928. Serial No. 287,680. 4 Claims. (Cl. 84-377.)



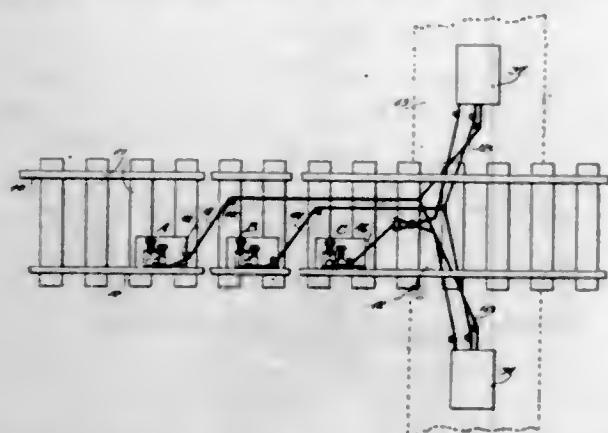
3. A harmonica comprising a body consisting of reed plates and spacer blocks defining a plurality of air chambers and cover plates spaced from the reed plates and defining air passages, banks of reeds mounted on the reed plates and subject to vibration by air passing through the air chambers and air passages, and tongues mounted in the air chambers and provided with actuating means for simultaneously shifting them into shielding relation with the banks of reeds of one reed plate or on the other.

1,735,646. METHOD OF REPRESSURING OIL SANDS. JAMES O. LEWIS, Tulsa, Okla., assignor, by mesne assignments, to Dunn & Lewis, Tulsa, Okla., a Partnership composed of Irwin L. Dunn and James O. Lewis. Filed Nov. 22, 1926. Serial No. 149,979. 8 Claims. (Cl. 166-21.)



1. The method of repressuring oil sands consisting of delivering charges of air and gas alternately to the sands under pressure.

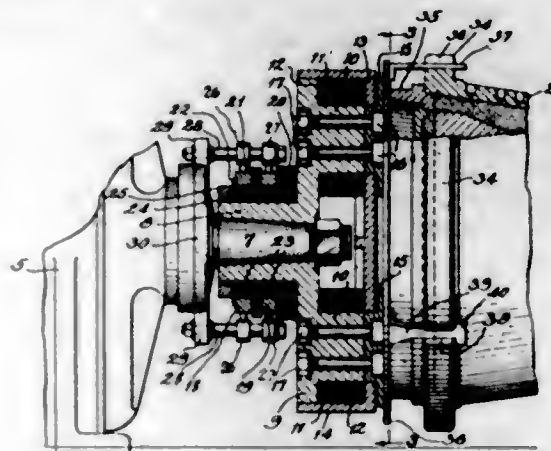
1,735,647. RAILROAD-CROSSING SIGNAL. DANIEL W. LUCAS, Atlanta, Ga. Filed June 20, 1928. Serial No. 286,928. 7 Claims. (Cl. 246-293.)



1. In a railway crossing signal, a signal operating device including a lever having a head positioned adjacent

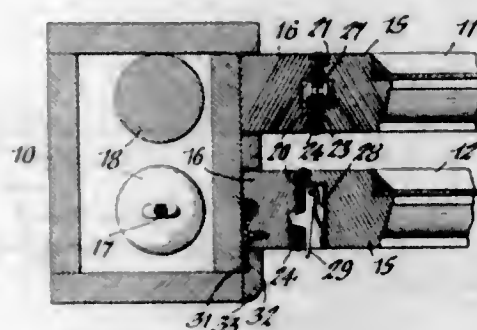
a track rail, a cylinder depending from said head, a stem projecting downwardly from said cylinder, a spring in said cylinder resting on the stem and urging the head upwardly, a slide carrying said stem and movable toward and from the rail, a signal, and an operative connection between the signal and lever.

1,735,648. MAGNETIC CLUTCH. WILLIAM D. MOORE, CLARENCE D. BARR, JAMES W. MOORE, and WILLIAM J. WILSON, Birmingham, Ala., assignors to Sand Spun Patents Corporation, Wilmington, Del., a Corporation of Delaware. Filed Oct. 7, 1927. Serial No. 224,634. 12 Claims. (Cl. 22-65.)



3. In a centrifugal casting machine, in combination, means for rotatably supporting a flask or mold to be cast, a motor, and a magnetic clutch mechanism for connecting the motor to an end of the mold, said mechanism electrically controlled, and including an imperforate contact plate having lateral arms, the mold notched to receive the arms, one of the arms headed to prevent relative longitudinal movement of plate and mold.

1,735,649. FOLDABLE WINDOW SASH. WILLIAM NEUBECKER, Buffalo, N. Y. Filed Oct. 19, 1927. Serial No. 227,223. 1 Claim. (Cl. 20-49.)

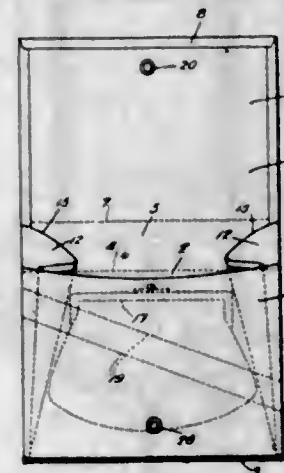


The combination of a window frame having side grooves, guide rails slidable vertically in said grooves, a sash supported between the guide rails and capable of vertical movement therewith or of a swinging movement relative thereto, face plates secured to the adjoining edges of the sash and its guide rails, said plates being of convex form in cross section to provide a yieldable frictional grip between the sash and the guide rails, pivot pins applied to said plates for hingedly connecting said sash to said guide rails and complementary means on the face plates for limiting the swinging movement of the sash in one direction.

1,735,650. HAND BAG. MORRIS NOVER, Jersey City, N. J. Filed July 5, 1927. Serial No. 203,500. 1 Claim. (Cl. 150-30.)

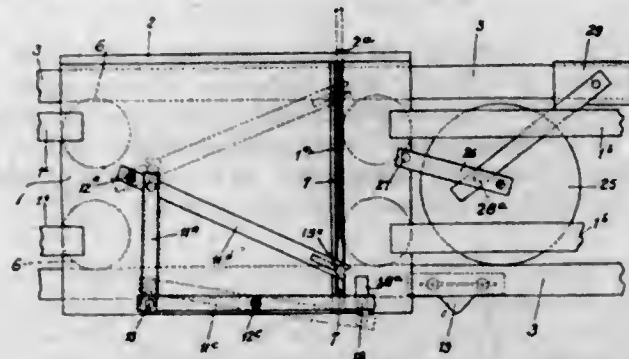
In a hand bag of wallet form including a pair of substantially co-extensive and relatively stiff front and rear

leaves foldably connected together along their lower edges and a relatively stiff flap to fold over the front leaf, a freely flexible hinge and closure portion foldably connecting together the rear leaf and the flap clear across the bag; and a pair of inwardly folding and downwardly tapering side gussets having substantially straight upper edges, straight front edges stitched to the front leaf, and straight rear edges longer than the front edges extending along sub-



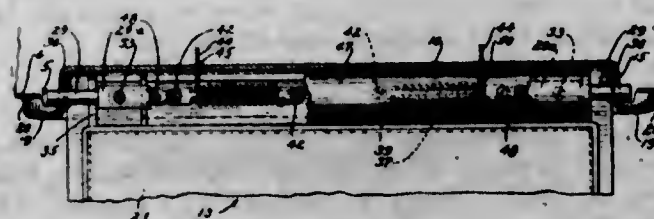
stantially the side length of the rear leaf and hinge portion combined, stitched to both and terminating, with their stitching, at points closely adjacent to the flap, whereby the upper rear corners of the gussets will fold inwardly against the hinge portion and forwardly therewith to closed position, and when the bag is spread open the hinge portion will lie in the plane of the rear leaf and the flap may be swung rearwardly and downwardly to any degree without straining the gussets or their stitching.

1,735,651. TWIST-LACE MACHINE. FELIX NOYER and PAUL PILARD, Calais, France. Filed Dec. 15, 1924. Serial No. 756,146, and in France Feb. 12, 1924. 7 Claims. (Cl. 26-20.)



1. In a twist lace machine, a needle, a bar carrying said needle, means supporting said bar, levers carried by said bar in operative pivotal connection therewith, means for imparting motion to said levers, said levers being pivotally connected and one of said levers being pivotally connected to the needle to impart reciprocating motion thereto.

1,735,652. OVEN-DOOR CONSTRUCTION. HENRY W. O'DOWD, Jersey City, N. J., assignor to Standard Gas Equipment Corporation, a Corporation of Maryland. Filed Feb. 2, 1928. Serial No. 251,265. 11 Claims. (Cl. 126-194.)



1. In or for a gas range, an oven having a door frame, a door mounted in said frame, and a pair of hinge pins or

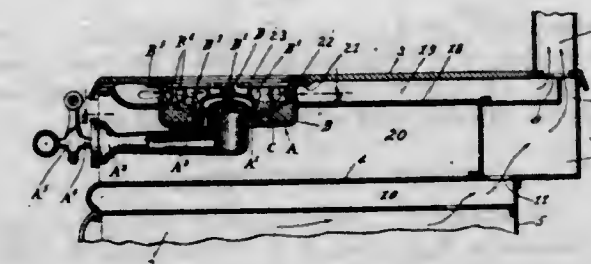
trunnions pivotally connecting the door at its opposite side edges to the door frame, said hinge pins being inaccessible when the door is closed but rendered accessible when the door is opened, and at least one of said pins in the open position of the door being removable as an individual unit to permit the instant removal of the door from the door frame.

1,735,653. OVEN-DOOR CONSTRUCTION. HENRY W. O'DOWD, Jersey City, N. J., assignor to Standard Gas Equipment Corporation, a Corporation of Maryland. Filed Feb. 2, 1928. Serial No. 251,266. 14 Claims. (Cl. 126-194.)



1. In or for a range, an oven, a door forming a closure for the oven, a pair of trunnions extending laterally from the opposite side edges of the door and providing a pivotal connection between the oven and the door, said trunnions being movable inwardly toward each other to permit removal of the door from the oven, coil springs encircling portions of the trunnions, said springs having their ends respectively connected to the door and to the oven whereby to resist opening movement of the door, a cover plate overlying said springs and portions of the trunnions, and means for detachably securing said cover plate to the door, said securing means being adapted to normally limit inward movement of the trunnions.

1,735,654. GAS STOVE OR RANGE. HENRY W. O'DOWD, Jersey City, N. J., assignor to Standard Gas Equipment Corporation, a Corporation of Maryland. Original application filed Sept. 18, 1925, Serial No. 57,057. Divided and this application filed Feb. 20, 1928. Serial No. 255,576. 7 Claims. (Cl. 126-39.)



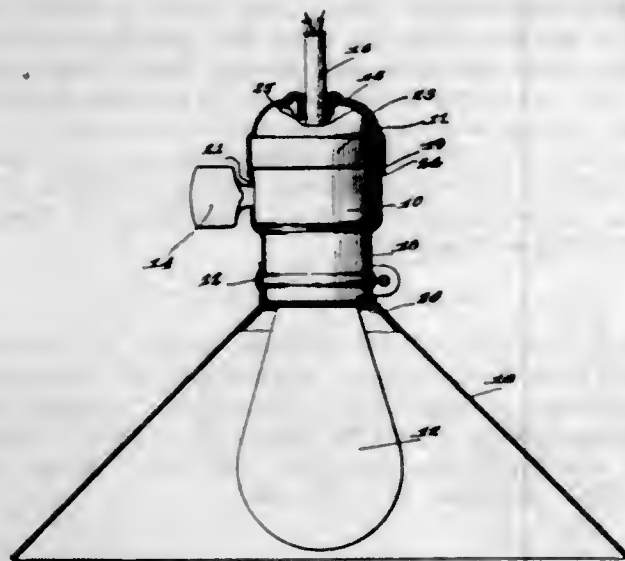
1. A gas range including, in combination, a closed cooking top, a Bunsen burner supported beneath the cooking top and formed in its outer periphery with a series of laterally directed flame ports, a shell surrounding the burner and forming a combustion chamber around the burner as well as a secondary air chamber wherein the burner is located, the said shell being formed in its side wall adjacent the flame ports with openings leading from the secondary air chamber into the combustion chamber, and a burner plate located below and in close proximity to the cooking top and forming in connection therewith a heat generating chamber, the said heat generating chamber having an outlet for the products of combustion and communicating with the aforesaid combustion chamber and otherwise closed to the atmosphere.

1,735,655. FINGER AND BACK STRAP FOR HAND BAGS. SOLOMON PITKIN, New York, N. Y. Filed July 26, 1928. Serial No. 295,489. 6 Claims. (Cl. 150-33.)



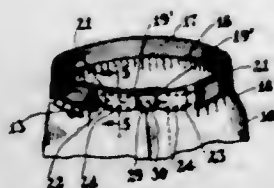
1. In a device of the class described, a combination finger and back strap arranged in one position for providing a finger loop for carrying the device in depending condition and in another position for providing a loop for carrying the device with fingers engaged in this loop and one's palm pressed against the device.

1,735,656. INSULATING COVER FOR ELECTRIC-LAMP SOCKETS. PAUL A. ROSAT, Campbell, Ohio. Filed May 31, 1928. Serial No. 281,903. 2 Claims. (Cl. 173-362.)



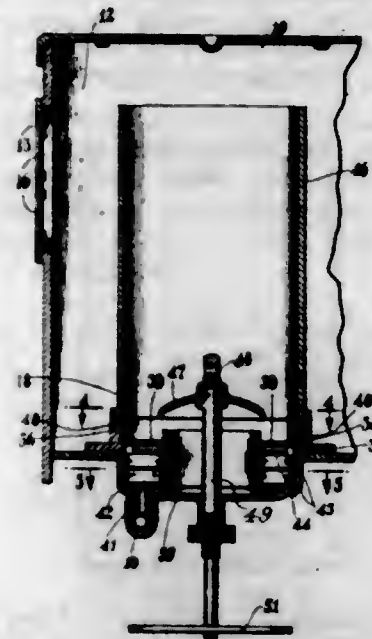
1. In combination with an electric lamp socket and cord connected thereto, of a cover for the socket adapted to engage about the exterior thereof, and a centrally intumed terminal sleeve on said cover gripping the said cord.

1,735,657. TROUSERS. DAVID SACKS, Brooklyn, and MORRIS GOLDBERG, New York, N. Y. Filed June 15, 1928. Serial No. 285,583. 2 Claims. (Cl. 2-237.)



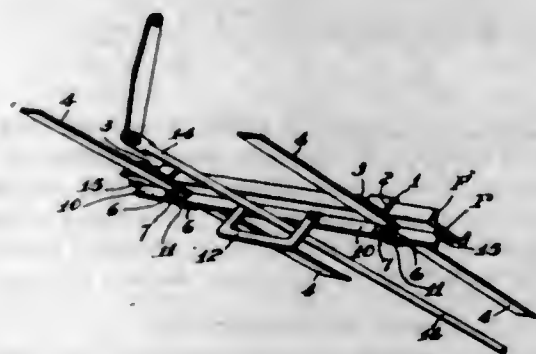
1. In trousers of the class described, cloth extensions terminating at the top of the trousers and positioned on opposite sides of the fly of said trousers, and formed with longitudinal slots, strips secured by stitches extending thru said slots onto straps disposed behind the cloth extensions, a lining arranged on the rear of the cloth extensions and covering the said straps, and formed with slots thru which the outer ends of the straps extend, and means for holding the straps in adjusted positions.

1,735,658. CRUDE-OIL BURNER. KARL REINHOLD SCHREIER, Callao, Peru. Filed Jan. 27, 1928. Serial No. 249,848. 6 Claims. (Cl. 158-91.)



1. A crude oil burner comprising an annular main body provided with a groove extending around the bottom thereof, a flat semi-circular ring covering half of the circumference of said groove, two layers of porous stones positioned above said groove, a ring positioned above said stones, a perforated annular plate above said ring, said plate being supported by and within the main body and arranged to be lifted and removed therefrom, a hollow cylinder resting on the top of said main body, a rod adjustably supported by the main body, and a deflecting cap on the upper end of said rod.

1,735,659. SAFETY GUARD DEVICE. WILLIAM J. STEBLER, Pittsburgh, Pa., assignor of one-eighth to M. A. Herald, one-eighth to Robert Rogers, one-fourth to D. J. McLaughlin, and one-fourth to Walter J. Curley, Pittsburgh, Pa. Filed Dec. 30, 1927. Serial No. 243,583. 5 Claims. (Cl. 188-210.)

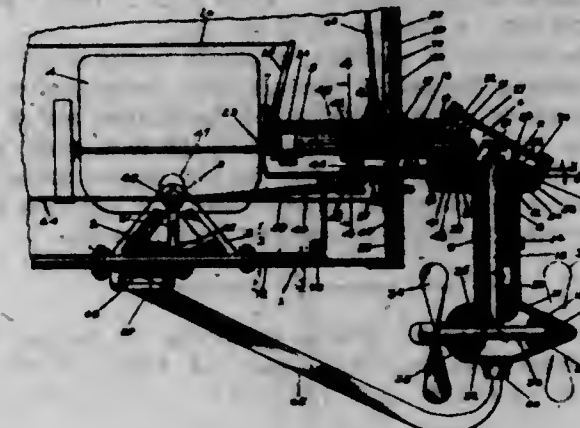


1. In a railroad car truck, a safety loop for a brake-operating connecting rod, a bar carrying said loop, said bar being adapted to extend longitudinally on the under side of the spring plank of the car truck and to abut fixed parts of the car truck at each end, and means to attach the bar to the spring plank near the ends of the bar.

1,735,660. PROPELLER MOUNTING. ROBERT T. SVENDSEN and DAVID G. CHANDLER, Minneapolis, Minn. Filed Apr. 30, 1928. Serial No. 274,027. 18 Claims. (Cl. 115-41.)

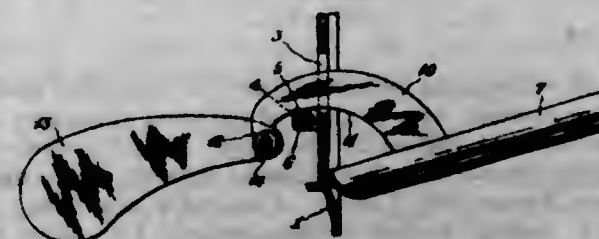
2. In a propeller mounting for boats, the combination of a supporting member having a shaft journaled at one

end thereof, a propeller secured to said shaft, a pivotal support for said member located within the boat, the axis of said pivotal support being located above the axis of said propeller shaft and forwardly of the plane of the propeller, and the distance between said axes being less than the horizontal distance between the axis of said pivotal support and the medial plane of the propeller, thereby causing the propeller to retain an operative position in the water without a lock, when operating under



normal conditions to propel the boat rearwardly, and a strut having one end pivotally connected to said supporting member below and adjacent to said propeller shaft, and the opposite end of said strut having a movable connection with the bottom of the boat, said strut providing a guard for said propeller when cruising in shallow water, and also functioning to automatically elevate the propeller and mounting when said strut engages an obstruction in the water.

1,735,661. DOOR-CONTROL APPLIANCE. HENRY TRENKAMP, Cleveland, Ohio. Filed May 15, 1928. Serial No. 277,852. 2 Claims. (Cl. 126-191.)



1. In a door control appliance, the combination of a frame defining an opening and itself fashioned on opposite sides with slots and also with inwardly projecting lugs near the lower ends of said slots, anti-friction rollers carried by said lugs, and a door carrying on each lateral side a peculiarly shaped arm, said arms projecting through said slots and having their lower edge surfaces conforming to circular arcs about points on a straight line as centers, said lower edge surfaces of the arms constantly engaging said rollers respectively, the extremities of said arms being abruptly bent and adapted to abut said lugs and limit the downward swing of the door to a substantially horizontal position.

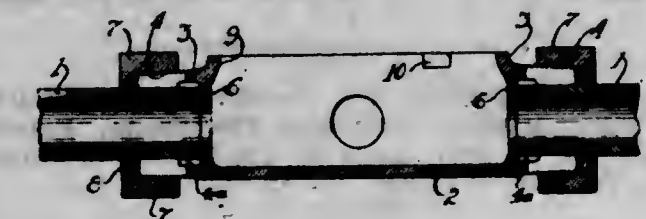
1,735,662. MINIATURE AEROPLANE. MANUEL FALCON TRAVINO, Crystal City, Tex. Filed Jan. 9, 1928. Serial No. 245,546. 2 Claims. (Cl. 244-29.)



1. In a device of the class described, a lever pivotally supported intermediate of its ends, and at one end con-

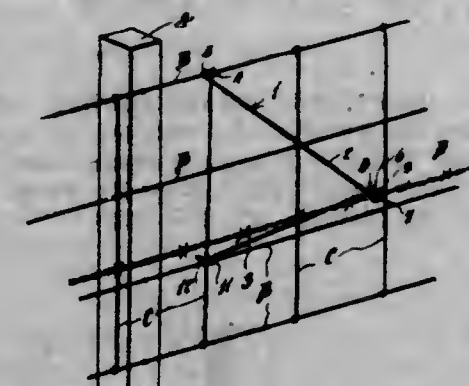
nected with a governor so that this end moves upwards upon governor speed increases and downwards upon decreases, a flexible member connected with the other end of the said lever for connection with ailerons and elevators of the device, a second lever pivotally attached on the second mentioned end of the said lever, and mounted on a shaft and arranged for rotating the shaft in one direction, a third lever also mounted on the said shaft, and a flexible member attached on the third lever and on to the said flexible member.

1,735,663. CONDUIT FITTING. MURRY L. ANSEL, Chicago, Ill., assignor to J. Livingston & Co., a Corporation of New York. Filed Mar. 9, 1927. Serial No. 173,835. 1 Claim. (Cl. 247-25.)



A conduit fitting for threadless conduit comprising a housing, a split outwardly extending sleeve integral therewith, the said sleeve having an internal annular groove whereby to reduce the thickness of the wall of said sleeve at its inner end to facilitate outward flexing of the split portions of said sleeve, and means engaging said sleeve adapted to compress the same.

1,735,664. FENCE-GUARD SUPPORT. GEORGE E. ARMSTRONG, Windfall, Ind., assignor of one-fourth to Ernest Armstrong, one-fourth to Theodore Armstrong, and one-fourth to Frank Armstrong, Windfall, Ind. Filed Oct. 4, 1928. Serial No. 310,318. 5 Claims. (Cl. 256-3.)

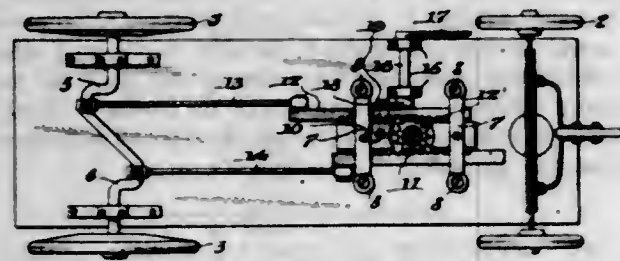


5. A guard wire support for fences, comprising a bracket including two rods, each of said rods having an open loop to engage line wires of a wire fence and laterally extending hooks to engage a stay wire, the hooks on the rods extending in opposite directions, one of said rods having its opposite end returned to form a hook to support a guard wire and provided with a loop adjacent to said hook, and the other rod having its free end offset to engage through the last mentioned loop and close said hook, and providing a shoulder to engage the first mentioned rod and support it.

1,735,665. MEANS FOR PROPELLING COASTER WAGONS AND OTHER VEHICLES. CASATIUS JEFFERSON ASHBY, Evansville, Ind. Filed Aug. 16, 1928. Serial No. 300,018. 2 Claims. (Cl. 208-37.)

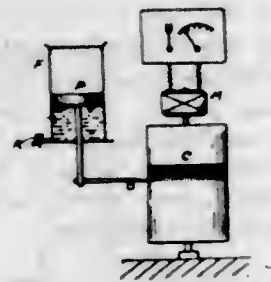
1. Means for propelling coaster wagons and other vehicles comprising a crank axle, reciprocating racks, con-

necting rods connecting the racks with the respective cranks of the axle, a pinion meshing with both of the



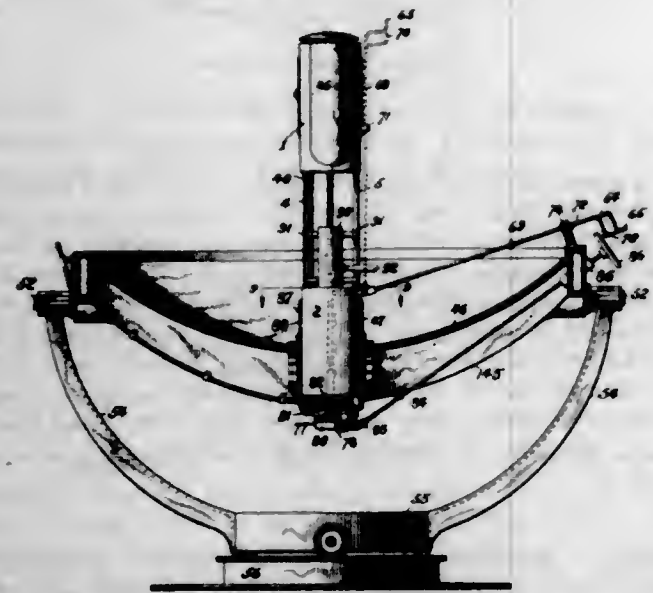
racks, whereby the racks when actuated will travel in opposite directions, and a rock shaft having a manipulating lever and an arm which is connected to one of said racks.

1,735,666. MICROMETRIC SCREW-CUTTING MACHINE. MAURICE AUDISERT, Villeurbanne, France. Filed Nov. 29, 1927. Serial No. 236,454, and in France Nov. 29, 1926. 1 Claim. (Cl. 82-5.)



In a machine of the class described, means for rotating a piece of work at substantially constant speed, a tool support, a vertical cylinder, a piston slidably mounted in said cylinder and connected to said tool, and a valve associated with said cylinder and adapted to regulate the rate of discharge of liquid therefrom during the descent of the piston under the action of gravity.

1,735,667. DRUMLESS SEARCHLIGHT. PRESTON R. BASSETT, Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., a Corporation of New York. Filed Aug. 30, 1918. Serial No. 252,114. 14 Claims. (Cl. 176-51.)



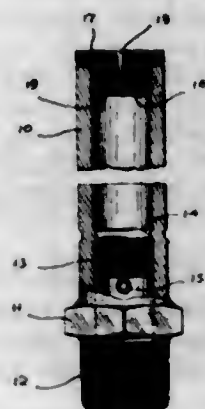
1. In combination, an arc lamp unit having a plug-shaped base, a support having a socket adapted to re-

ceive said base, electrode positioning means carried by said unit and including a control rod, and means for detachably connecting said rod to said unit or to said support.

1,735,668. METHOD OF MOLDING SYNTHETIC RESINS. FRANK H. BANGE, Norristown, and ROBERT R. TITUS, Villanova, Pa., assignors, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del., a Corporation of Delaware. Filed Aug. 2, 1928. Serial No. 297,097. 4 Claims. (Cl. 18-25.)

1. The method of molding synthetic resins which comprises heating the initial condensation product of a synthetic resin at a temperature and for a time which will cause the resin to be converted into the final stage after the pressing operation, placing the hot plastic mass in a cold press and while the mass is still hot exerting sufficient pressure to obtain the molded form desired.

1,735,669. BURNER. FRANK BINSFELD, St. Gregor, Saskatchewan, Canada. Filed Aug. 14, 1928. Serial No. 299,609. 1 Claim. (Cl. 158-53.)



In a gasoline lamp burner of the type described having a tubular member with a nut and external thread at one end, an internal thread at the upper end, a burner tip threadably connected to said tubular member at its upper end, said burner tip having a convex lower side, and having a conical shaped orifice through its center, an atomizing screen located within the said burner, means of holding said screen in position and means of removing the same, substantially as set forth.

1,735,670. SAFETY NIPPLE. MARCUS BLUMENFELD, New York, N. Y. Filed June 15, 1928. Serial No. 285,665. 3 Claims. (Cl. 128-252.)



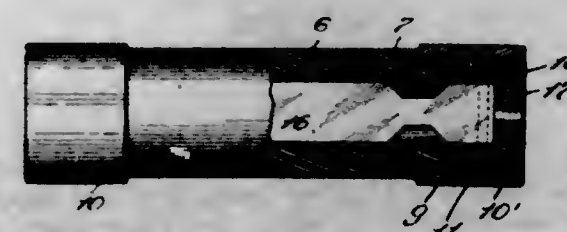
1. A nipple for a baby's bottle having a neck with an enlarged top edge, and a mouth, comprising a main portion, a stopper portion integral therewith and engageable in the said mouth, an integral flange engageable over the neck of the bottle, and a comparative non-elastic flange attached to the stopper and engageable over the neck of the bottle beneath the said flange.

1,735,671. SMOKING STAND. CHARLES A. BUNKER, Kansas City, Mo., assignor to Bunker-Clancey Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Aug. 1, 1927. Serial No. 209,813. 9 Claims. (Cl. 131-51.)



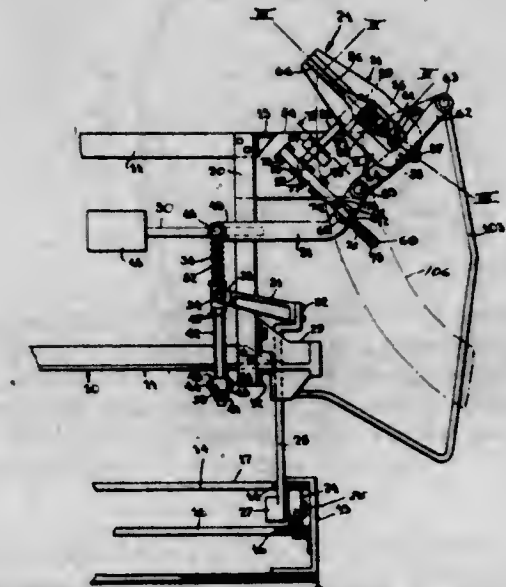
2. A smoking stand comprising a hollow base, a stem resting on and extending upwardly from the base and bearing a rocking relation thereto, a receptacle carried by the stem, a weight or pendulum for the stem within the base and below the rocking point thereof, and a spring interposed between the weight and the overlying part of the base and exerting downward pressure upon the former.

1,735,672. ELECTRIC FUSE. HENRY T. RUSMANN, St. Louis, Mo. Filed Mar. 20, 1922. Serial No. 545,222. 5 Claims. (Cl. 200-182.)



1. In a ferrule contact renewable fuse adapted to contain a link having flat contact surfaces, a casing threaded at the end, a ferrule holding member overlapping the end of the casing and a ferrule substantially enveloping the ferrule holding member; the ferrule holding member having interior threads for engagement with casing threads and exterior threads for engaging threads in the ferrule, the exterior threads having a root diameter not greater than the outside diameter of the casing, the exterior and interior threads being longitudinally offset, relative to each other, so as to provide a side wall of substantially uniform thickness, on the holding member.

1,735,673. TUBE-DEFLATING MACHINE. WALLACE H. CAMPBELL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 15, 1928. Serial No. 277,955. 8 Claims. (Cl. 154-9.)

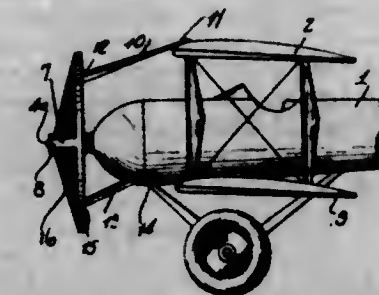


1. A tube deflating machine comprising a rigid support for a bridge plate of an inner tube, means for securing the plate against the support, and means for moving a deflating valve into operative relation to a valve stem of the tube.

1,735,674. METHOD OF MOLDING AN ARTICLE PRODUCED FROM PLASTIC MATERIAL IN IMITATION OF ONYX, AGATE, MARBLE, AND THE LIKE. HARRY N. COPELAND, Dayton, Ohio, assignor to The Kurz-Kasch Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 4, 1926. Serial No. 139,556. 21 Claims. (Cl. 18-48.8.)

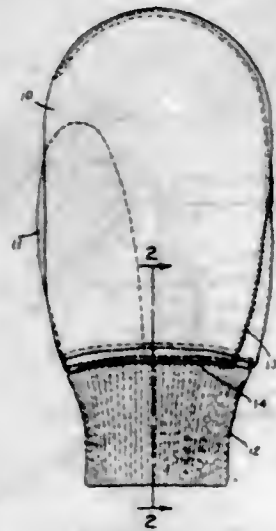
1. The herein described method of producing ornamental surfaces upon articles molded from plastic materials, consisting in intermixing bodies of differently colored materials reducing one of the materials to a plastic condition and reducing the other material to a substantially liquid condition, and molding the material under pressure whereby the more liquid material is unequally distributed in the mass and caused to fill the openings and irregularities occurring in the body of plastic differently colored material.

1,735,675. PROPELLER GUARD. WILLIAM J. DANCKWART, Corning, Calif. Filed May 7, 1929. Serial No. 361,183. 4 Claims. (Cl. 244-25.)



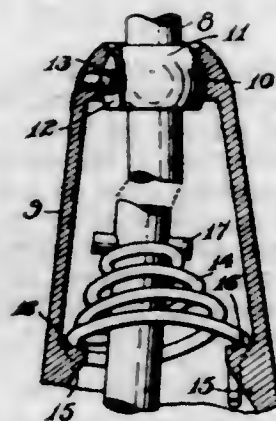
1. The combination with the propeller of an aircraft, of a screen guard permanently positioned forwardly of the propeller, a forward extension on the propeller shaft upon which the guard is mounted, and brace rods extending between the peripheral edge of the guard and the aircraft.

- 1,735,676. GLOVE. BROOKHURST ELMY, Indianapolis, Ind. Filed Feb. 13, 1928. Serial No. 253,362. 2 Claims. (Cl. 2-102.)



1. A glove of the character described, comprising a hand portion, a wrist portion stitched thereto, and an elastic strip sewn in the seam between the wrist portion and hand portion of the glove and secured in place by the stitching connecting said wrist portion and hand portion.

- 1,735,677. SHIFT-LEVER MOUNTING FOR AUTOMOBILES. OTTO E. FISHER, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed Apr. 23, 1928. Serial No. 272,220. 5 Claims. (Cl. 74-39.)

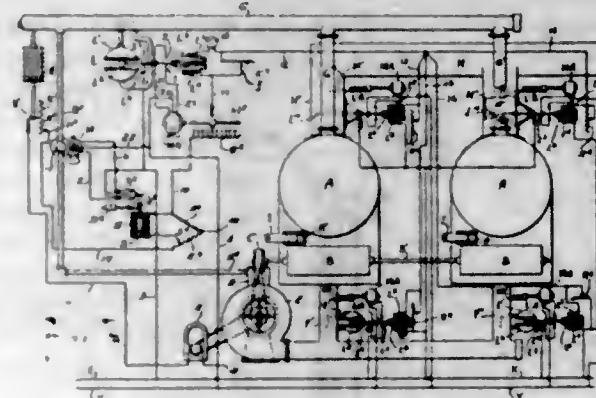


1. The combination with a hollow pedestal having a dome with an opening formed therein, a tiltable lever adapted to be passed through said opening, a member carried by said lever and engaging said dome, means for yieldingly maintaining said member against said dome and a mounting for said means which causes the same to bias the lever in the direction in which it has been shifted when the lever is moved from normal position either backward or forward.

- 1,735,678. FURNACE-REGULATING SYSTEM. GEORGE H. GIBSON, Upper Montclair, N. J. Original application filed Sept. 22, 1916, Serial No. 121,547, now Patent No. 1,537,044, dated May 5, 1925. Divided and this application filed Mar. 17, 1925. Serial No. 16,213. 10 Claims. (Cl. 236-24.5.)

1. The combination with a boiler furnace having a regulable fuel feed and a regulable air feed, of provisions for the automatic control of said feeds comprising a de-

vice responsive to steam pressure, a device responsive to the rate at which steam is withdrawn from the boiler, means co-operating with one of said devices to vary both of said feeds on, and in proportion to the changes in the



vice responsive to steam pressure, a device responsive to the rate at which steam is withdrawn from the boiler, means co-operating with one of said devices to vary both of said feeds on, and in proportion to the changes in the steam condition to which the last mentioned device is responsive, and means co-operating with the other device effecting an adjustment in one of said feeds relative to the other feed on changes in the steam condition to which said other device is responsive.

- 1,735,679. THERAPEUTIC LAMP. NORRIS E. GOODRICH, Battle Creek, Mich., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Filed Feb. 6, 1929. Serial No. 337,814. 2 Claims. (Cl. 174-177.)

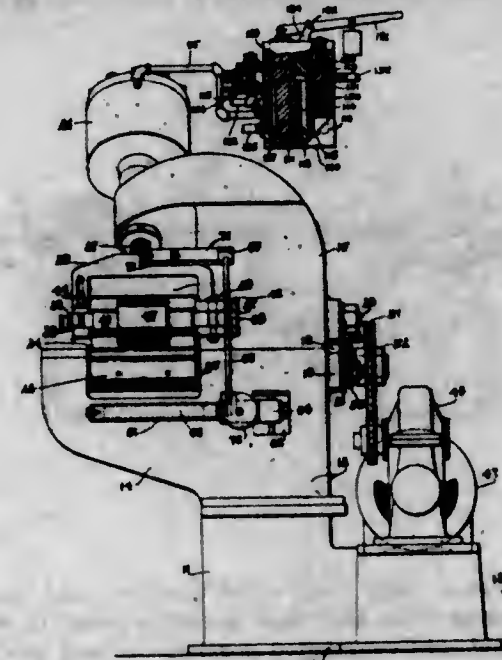


1. In a therapeutic lamp, the combination of a reflector provided with a ventilating opening in its upper side located centrally with its upper edge substantially spaced from the edge of the reflector, a pair of electrodes disposed in cooperative relation within said reflector centrally below said ventilating opening, and a segmental guard disposed transversely across the bottom of the reflector in a plane perpendicular to the axis of the reflector, in advance of a similar plane passing through the electrodes.

- 1,735,680. TIRE-BUILDING MACHINE. JOSEPH I. HAASE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 9, 1925. Serial No. 55,366. 6 Claims. (Cl. 154-9.)

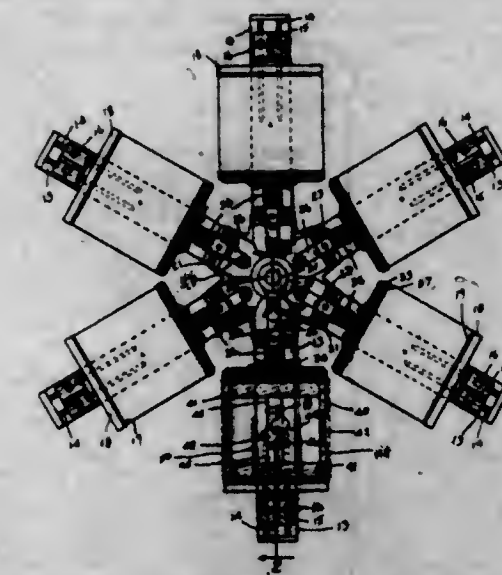
1. A machine for applying bands to circular annuli comprising a frame, a plurality of rollers fixed with respect to the frame and operative by means associated

with the frame, an upwardly projecting portion on the frame, a roller carrying yoke pivotally mounted adjacent the upwardly projecting portion, a plunger operative by



hydraulic pressure mounted in the upwardly projecting portion to thrust the yoke against the fixed rollers, and a counter-weight on the yoke to move the yoke from the rollers upon release of the plunger.

- 1,735,681. CARTON SEALER. HERMAN J. HAGIST, Beech Grove, Ind., assignor to International Printing Company, Indianapolis, Ind., a Corporation. Filed June 25, 1928. Serial No. 288,157. 9 Claims. (Cl. 93-36.)

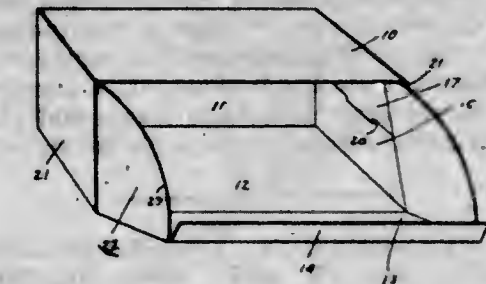


1. A universal carton sealer of the character described, comprising a rotatable base construction, a stationary cam associated therewith, a plurality of pairs of opposed clamping members, each pair being arranged for relative movement toward and away from each other substantially radial to the axis of rotation of said base, the outer of each opposed pair of clamping members being substantially rigidly mounted, spring means associated with each of the other of said clamping members for normally forcing said members together, and a cam follower successively engaging the cam for separating said clamping members in opposition to said spring.

- 1,735,682. DISPLAY CARTON. JOSEPH J. HESS, Indianapolis, Ind., assignor to International Printing Company, Indianapolis, Ind., a Corporation. Filed May 21, 1928. Serial No. 279,262. 2 Claims. (Cl. 229-33.)

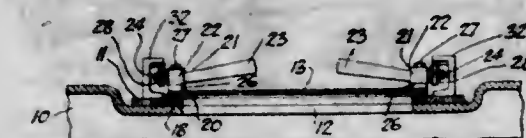
1. A display and inspection carton comprising a rigid combination capable of complete sealing and formed from

a single blank including a side, a bottom, an intermediate side, a top cover, all integral, a longitudinal sealing flap extension for longitudinally sealing the top cover and the side to form a complete tubular open ended box blank, an arcuate guide flap extension on each end of the cover, cooperating interlocking flaps on the same end of the sides



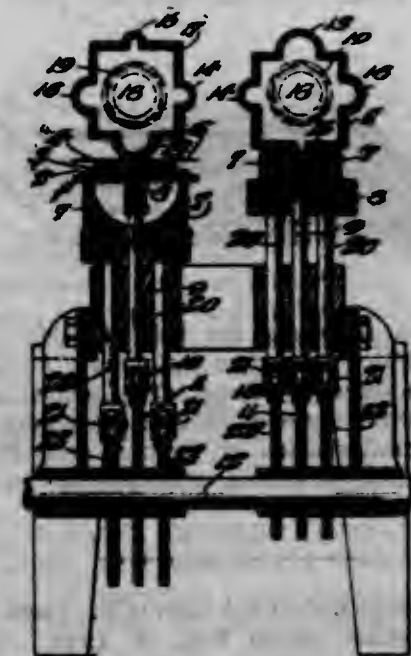
and completely closing the end of the box, and a cover flap at each end of the bottom, said guide flaps being positioned within the pairs of interlocking flaps in interlocking relation and each cover flap being adhesively secured to both interlocking flaps for rigidly sealing each end of the carton for the purpose described.

- 1,735,683. CLOSURE FOR TANK OPENINGS. EDWARD A. HOFFMANN, Reading, Pa., assignor to Clinton Motors Corporation, Reading, Pa., a Corporation of New York. Filed Nov. 26, 1928. Serial No. 322,051. 7 Claims. (Cl. 220-55.)



1. A closure for openings in tanks, comprising a resilient washer secured to the tank around the opening, a hinged plate adapted to contact with the washer, the said plate being slightly bellied to contact first with the washer opposite the center of its hinged side, and locking devices to straighten the plate and press the same uniformly against the washer.

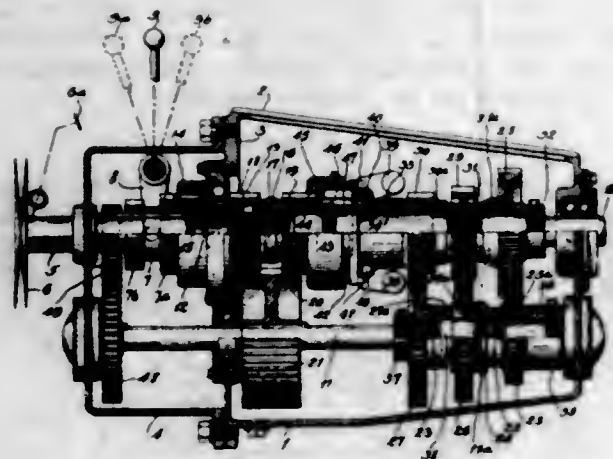
- 1,735,684. METHOD OF MAKING AIR-CELL PIPE COVERING. AUGUST P. JURGENSEN, Philadelphia, Pa., assignor to Concentric Air Cells Automatic Company, Philadelphia, Pa., a Corporation of Delaware. Original application filed Jan. 30, 1929, Serial No. 336,163. Divided and this application filed July 23, 1929. Serial No. 380,444. 2 Claims. (Cl. 154-28.)



1. The herein described method of forming pipe covering which consists in coating a plurality of sheets of heat

resisting material of the same length but of gradually decreasing widths with an adhesive, superimposing said sheets in a pyramidal formation with the widest of said sheets at the bottom and the narrowest of said sheets on top, superimposing a sheet of fabric of the same length and width as the widest of said sheets at the top of said pyramidal formation of sheets, and moulding said sheets around a cylindrical core to form a longitudinally split cylindrical pipe covering composed of concentric, nested cylinders having their longitudinal edges parallel, juxtaposed and in the same cylindrical plane, said pipe covering being of uniform cross sectional thickness throughout.

1,735,685. TRANSMISSION. YUKIO KIKUCHI, Montclair, N. J. Filed Jan. 25, 1929. Serial No. 334,919. 8 Claims. (Cl. 74—97.)



1. An automatically actuated gear transmission of the class described involving a main shaft and a supplemental shaft, a plurality of gear units, each unit involving two gears and one gear of each unit being arranged on the separate shafts, the gears of the separate and adjacent units on the respective shafts having interengaging clutch faces, a gear of one unit on the main shaft being in screw threaded engagement therewith, and a gear of another unit being in screw threaded engagement with the supplemental shaft.

1,735,686. BELT JOINT AND METHOD OF MAKING THE SAME. ELMER G. KIMMICH, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 2, 1926. Serial No. 113,144. 4 Claims. (Cl. 24—38.)

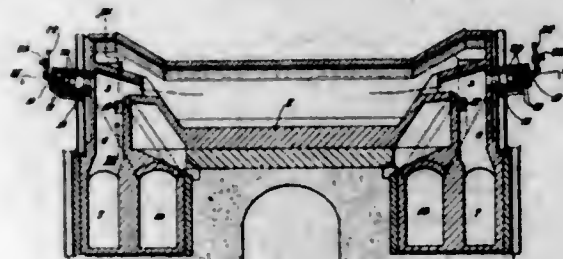


1. The method of joining the ends of rubberized fabric and cord belts which comprises removing a portion of the fabric to expose the ends of the cords, removing portions of the cords so that the ends thereof are staggered, forming a similar configuration at another end, coating the ends with vulcanizable rubber, superposing the ends and vulcanizing the joint.

1,735,687. REGENERATIVE FURNACE. FRED E. KLING, Youngstown, Ohio. Filed Feb. 28, 1922. Serial No. 539,839. 4 Claims. (Cl. 263—15.)

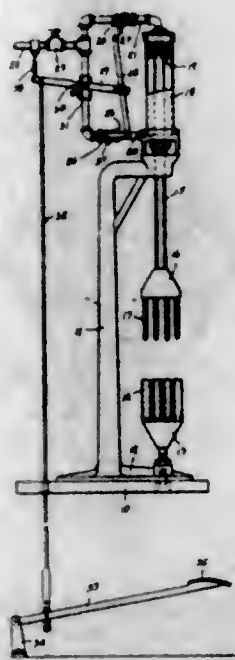
1. A regenerative open hearth furnace having a combined air and gas port at each end thereof and air ports

at each side of said combined air and gas ports, gas uptake flues for said combined air and gas ports, air uptake flues for said air ports, said air uptakes being contracted intermediate their ends to form a high pres-



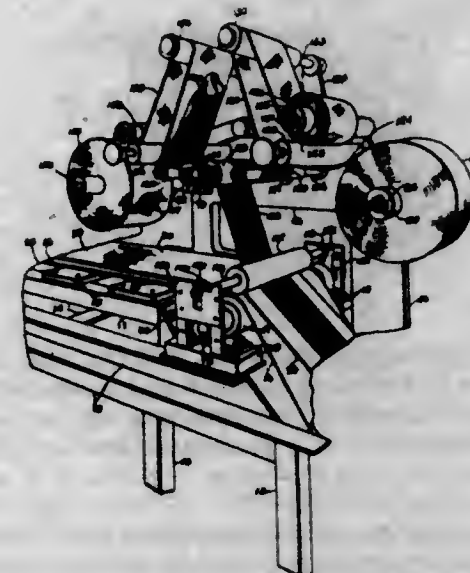
sure area below said contracted portion, and auxiliary airways leading from said high pressure areas in said air uptakes below said contracted portions to said gas uptake flues to provide a combined air and gas supply to said combined air and gas ports.

1,735,688. GLOVE-TURNING MACHINE. WILLIAM ROBERT LOWRY, Indianapolis, Ind. Filed May 5, 1928. Serial No. 275,389. 3 Claims. (Cl. 223—20.)



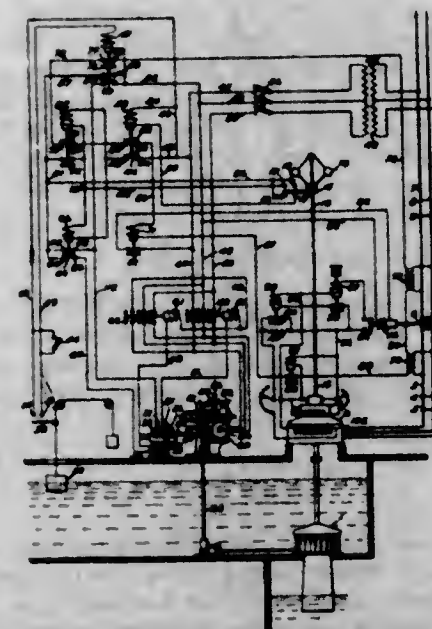
1. A machine for turning gloves or the like, including a female member upon which the glove is adapted to be positioned, a male member adapted to be forced therein for turning the glove, a compressed air cylinder fixedly mounted on said machine, a plunger reciprocally mounted therein and connected with one of said members, branch conduits leading from a source of compressed air and communicating with the ends of said cylinder, valves for controlling the passage of compressed air therethrough, and means for actuating said valves for controlling the action of the compressed air on said plunger for forcing said members in and out of operative position.

1,735,689. SQUEEGEE APPLIER. ELOV F. MAAS, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 12, 1925. Serial No. 75,145. 11 Claims. (Cl. 154—1.)



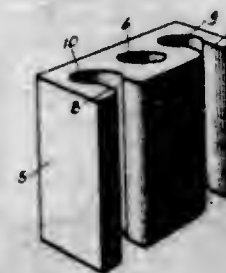
1. An apparatus comprising a pair of rollers operative-ly geared together, means for driving the rollers, a plurality of rotatable members mounted in spaced relation to the rollers, driving connections between each rotatable member and the rollers, and a clutch mechanism operative-ly associated with each of the driving connections.

1,735,690. SYSTEM OF DISTRIBUTION. CHARLES R. MARTIN, Wauwatosa, and HENRY V. NYE, West Allis, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Nov. 12, 1925. Serial No. 68,649. 8 Claims. (Cl. 290—70.)



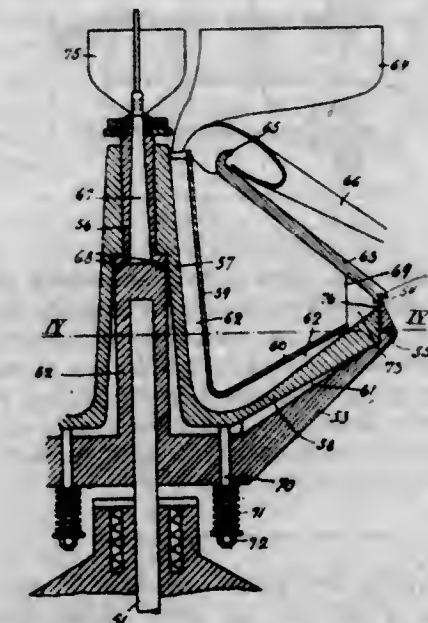
2. In a system of distribution, a prime mover generator unit, a gate for admitting operating fluid to said prime mover, a motor for operating said gate, a control switch, means whereby closure of said control switch causes said motor to operate and move said gate toward open position, a circuit breaker, means responsive to the speed of said prime mover for causing said circuit breaker to close and connect said generator to said distribution system and for causing said circuit breaker to open in response to a predetermined drop in speed of said prime mover, and means for stopping said motor when said gate has been opened a predetermined amount.

1,735,691. TYING DEVICE. JOHN LAWLER MORGAN, Camden, N. J., assignor to Jesse Satenstein, Camden, N. J. Filed Apr. 3, 1928. Serial No. 266,887. 2 Claims. (Cl. 24—18.)



1. A tying block having a central bore extending there-through and a bore at each side of the central bore and parallel therewith, the block further having slots in one of its sides which form entrances to the side bores and which are of slightly less width than the diameter of the cord with which the device is to be used, the bores being slightly greater in diameter than the diameter of the cord.

1,735,692. CONTINUOUSLY-OPERATING CENTRIFUGAL SLUDGE SEPARATOR. AAGE NYROP, Copenhagen, Denmark. Filed Dec. 6, 1928. Serial No. 324,241. and in Denmark Dec. 6, 1927. 5 Claims. (Cl. 233—20.)

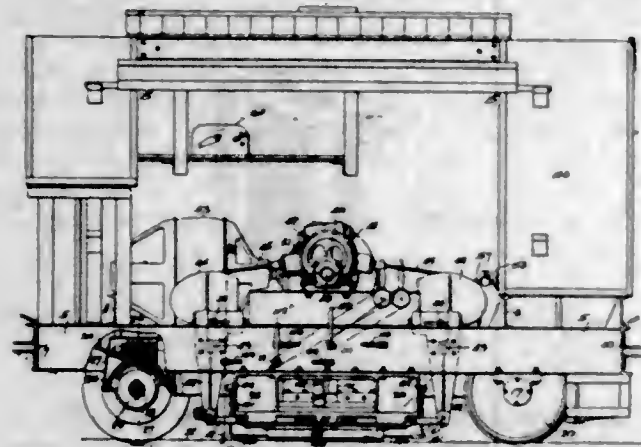


1. A centrifugal sludge separator having a rotating unit with relatively displaceable elements comprising a lower cup having an upturned periphery provided with discharge outlets normally closed, a conical cover slidably and coaxially mounted with respect to said lower cup and normally abutting said upturned periphery, said discharge outlets being opened upon a predetermined displacement of said conical cover and resilient means cooperating with said plurality of discharge outlets to return said conical cover to normally abutting position after said predetermined displacement.

1,735,693. TRACK GRINDER. CHARLES W. PITMAN, Philadelphia, Pa., assignor to Railway Track Work Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 25, 1925. Serial No. 11,556. 13 Claims. (Cl. 51—178.)

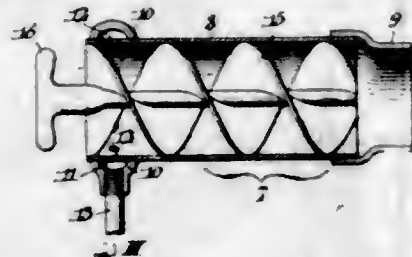
1. In a mobile track grinding machine a grinding unit comprising a fixed element and a reciprocating element;

abrasive units adjustably mounted in said reciprocating element; means, carried by said reciprocating element, for raising and lowering the said abrasive units, and means



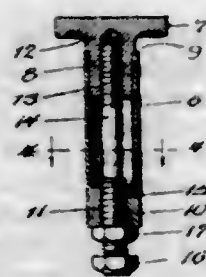
mounted on said fixed element for operating said raising and lowering means by reciprocation of said reciprocating element, whereby the degree of pressure between the abrasive units and the rails is controlled.

1,735,694. AIR-FILTERING DEVICE. JOSEPH PERCY REMINGTON, Philadelphia, Pa., assignor to Remington Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 6, 1925. Serial No. 832. 3 Claims. (Cl. 183-8.)



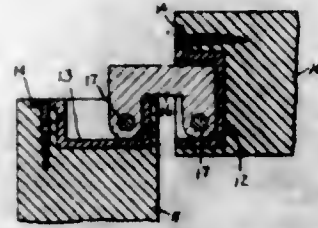
1. An air filtering device for connection to the air inlet of an internal combustion engine comprising a smooth-walled conduit having its outer end apertured at circumferential intervals, means affording an annular cavity exteriorly around the apertures and adapted to conduct crank case vapor thereinto, and a removable spiral insert frictionally fitting within the aforesaid conduit to define an extensive filtering surface.

1,735,695. VALVE TAPPET. GEORGE R. RICH, Battle Creek, Mich. Filed Nov. 12, 1928. Serial No. 318,743. 5 Claims. (Cl. 123-90.)



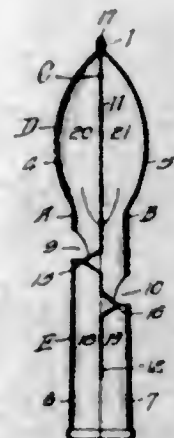
1. A valve tappet comprising an axially bored unthreaded tappet stem, a head on one end of said stem, an adjustment stud threadably secured in said head and protruding from the end of the stem, said adjustment stud having a valve contacting head on its outer end, and there being screw threads on said adjustment stud adjacent its head for a lock nut, and said last mentioned screw threaded portion fitting in an unthreaded portion of the bore of the stem, and a lock nut on the threaded portion of the adjustment stud adjacent its head and arranged to impinge against the unthreaded end of the stem.

1,735,696. CONCEALED HINGE. ALFRED RIDLEY, Indianapolis, Ind. Filed Sept. 16, 1927. Serial No. 219,832. 1 Claim. (Cl. 16-164.)



A hinge construction for doors and the like including metal sockets of similar three-sided rectangular shape and dimensions and similarly recessed with all corresponding walls thereof parallel with each other and adapted to be inset and secured in the adjacent portions of a jamb and door or the like, a rectangular U-shaped link with its portions of similar shape and dimensions and having parallel side edges and rounded ends, and with the upper and lower sides of the link fitting snugly in said sockets, and a pivot for pivoting each end of the link in its corresponding socket, the pivots being in the same relative positions in both sockets and so located near two adjacent walls that in all positions one flat edge of each end of the link will abut against one flat wall of the socket in which it is pivoted and its rounded end engage the adjacent wall of the socket, substantially as set forth.

1,735,697. WHISTLE. WALTER L. RUTKOWSKI, St. Louis, Mo., assignor to R. C. Can Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 5, 1928. Serial No. 259,339. 5 Claims. (Cl. 46-46.)

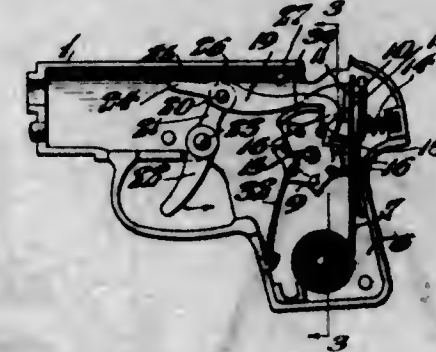


1. A two tone whistle comprising a tubular body having a sound box section and a throat section composed of two similar body sections folded midway their ends and having sound outlet openings therein, a reed member disposed between the body sections sub-dividing the body into two compartments and deflectors formed on said reed member, said deflectors being characterized by portions pressed from said reed member extending in opposite directions and disposed adjacent said outlet openings in the body sections.

1,735,698. TOY PISTOL. THOMAS O. SCHRAEDER, Allentown, Pa., assignor to The Dent Hardware Co., Allentown, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1929. Serial No. 332,177. 4 Claims. (Cl. 42-57.)

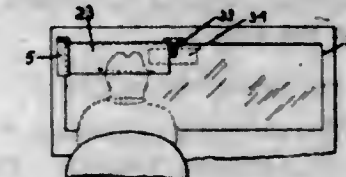
1. In a device of the character stated, a magazine for cap tape, an anvil block, a stud, a star wheel loosely

mounted upon said stud operative to feed said tape to said anvil block, a plurality of peripherally arranged, laterally extended pins upon said star wheel, a trigger, a spring



pressed pawl pivoted to said trigger and arranged to engage said pins, and a spring pressed hammer loosely arranged upon said stud and engaged by said pawl and moved outwardly with the pawling of said star wheel.

1,735,699. GLARE SHIELD FOR VEHICLES. WILBUR N. SHELTON, Wellesley, Mass. Filed Dec. 12, 1928. Serial No. 325,616. 5 Claims. (Cl. 296-97.)



1. A glare-shield for vehicles having a wind-shield frame containing a transparent wind-shield comprising a casing, a bracket, means including a screw threaded member having at its lower end a socket secured to said casing and rigidly connecting said bracket to said casing, means for connecting said bracket to said frame whereby the casing is supported from an end only in position to extend well below the lower edge of the upper frame member of the wind-shield, a spring-actuated roller having its upper end mounted in said socket and its lower end mounted in said casing, a sheet of thin flexible light-absorbing material wound upon said roller and connected thereto and having its free end extending through an aperture in said casing, and means upon said free end to engage a suitable anchorage remote from said casing when extended against the tension of the roller spring and having means to prevent said free end from being drawn into said casing.

1,735,700. AIR-BAG VALVE. CORNELIUS VAN BUNNES, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 10, 1927. Serial No. 239,128. 8 Claims. (Cl. 18-45.)

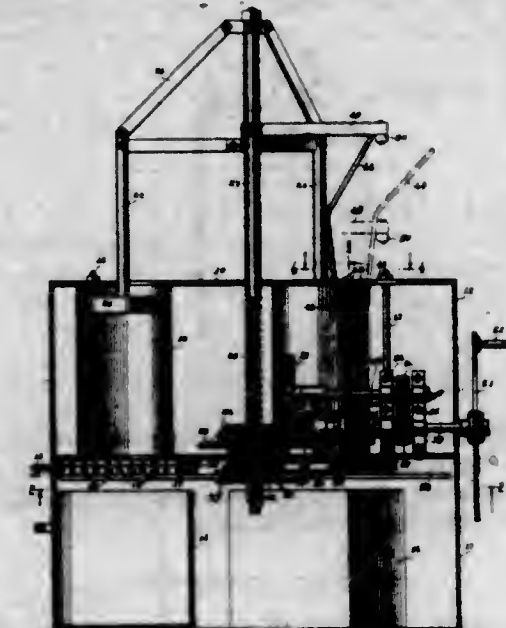


1. An airbag comprising a hollow body and a tube extending through the wall of the body terminating in a hemispherical grooved end disposed within the body.

1,735,701. ACCELERATOR FOR THE VULCANIZATION OF RUBBER. GEORGE STAFFORD WHITBY, Montreal, Quebec, Canada, assignor to The Rossier & Hasselacher Chemical Company, New York, N. Y., a Corporation of New York. Filed May 17, 1928. Serial No. 278,638. 9 Claims. (Cl. 18-53.)

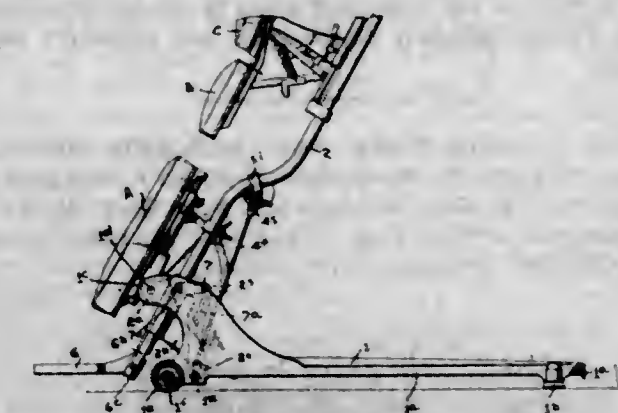
1. A process of treating rubber or similar material which comprises incorporating with the unvulcanized rubber compound a vulcanizing agent and isopropyl monoxanthogen and vulcanizing the rubber.

1,735,702. VEGETABLE CUTTER. HARRY M. WILLIAMSON, McCleary, Wash. Filed Aug. 7, 1928. Serial No. 298,068. 3 Claims. (Cl. 146-78.)



1. In a machine of the class described, in combination, cylinders, a cutter at the bottom of each cylinder, a plunger movable up and down in each cylinder, a screw rigidly connected with said plungers, a rotor, a fixed bearing for the rotor, said rotor being adapted to coast with said screw to impart up and down axial movement to said screw, to move said plungers up and down, a plurality of independent driven devices for rotating said rotor in opposite directions, driving means, a clutch interposing said driven devices and said driving means, and means controlled by the axial movement of said screw, to operate the clutch, to alternately couple and uncouple said driving means and driven devices, to cause the up and down axial movement of said screw.

1,735,703. TILTABLE CHIROPRACTIC TABLE. WILLIAM G. WILLIAMS, Elgin, Ill., assignor to William J. Loring. Filed Dec. 3, 1924. Serial No. 753,736. 33 Claims. (Cl. 128-73.)

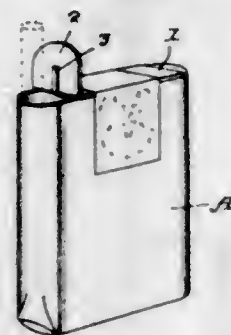


1. A chiropractic table comprising a base; a normally counter-balanced table tiltably mounted adjacent one end on said base and having a plurality of recesses therein; a plurality of springs each having one end connected to said base and the other end provided with a head adapted to enter its respective recess; and means on the table for selectively connecting and disconnecting the heads of said springs and table, according to the load to be applied to the table.

1,735,704. AUTOMATIC CLOSING DEVICE FOR CARTONS AND THE LIKE. LAWRENCE A. WILSON, Pittsburgh, Pa., assignor of one-half to Herman C. H. Weldner, Pittsburgh, Pa. Filed June 25, 1927. Serial No. 201,450. 1 Claim. (Cl. 206-41.)

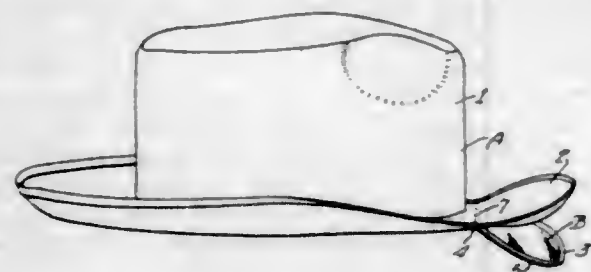
A closure device for a package of cigarettes comprising a flat strip of cardboard having a transversely arranged

scored line adjacent one end thereof for hingedly connecting said end to the strip, a resilient band fastened to the under side of the strip and extending over the hinged end



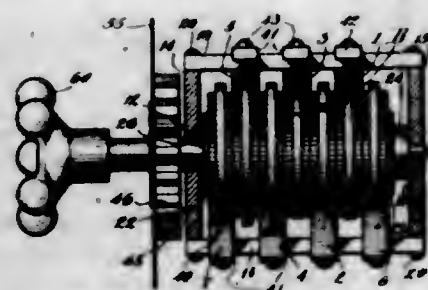
for normally holding said end in alignment with the strip and means for fastening the strip to the top of a package of cigarettes with the hinged end over an opening formed in one end of the top of the package.

1,735,705. HAT. EDWARD WITTCOFF, St. Louis, Mo., assignor to Superior Hat Company, St. Louis, Mo., a Corporation of Missouri. Filed June 13, 1928. Serial No. 284,955. 3 Claims. (Cl. 2—175.)



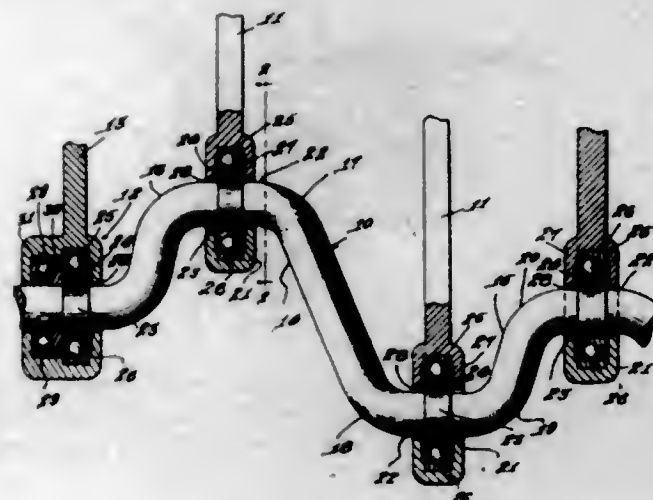
1. The combination with a hat having a flexible dished brim, of a visor, and hinge-providing means permanently securing the visor along an approximate straight line to said brim, the visor being adapted, when in its inoperative position, to assume a dished form and lie against the under surface of the brim, and when in its operative position to project obliquely downwardly and forwardly from the brim.

1,735,706. CONTROLLER FOR ELECTRIC INDICATORS. FRANK W. WOOD, Montclair, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 20, 1923. Serial No. 633,558. 3 Claims. (Cl. 200—8.)



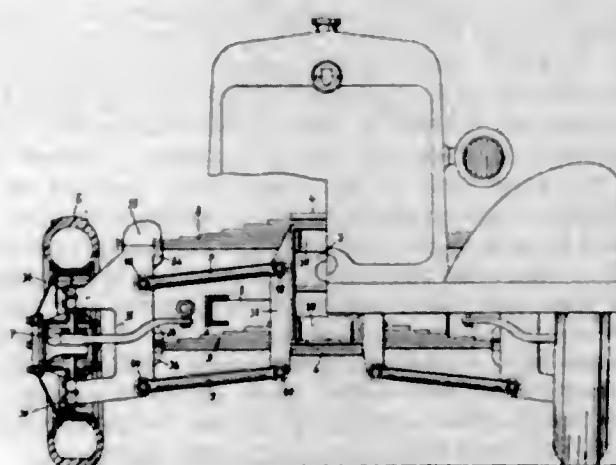
1. In a controller of the class described, a drum including a shaft, a sleeve of insulating material fitting thereon, a plurality of independent contact units mounted on the sleeve, each including insulating washers and connected contact elements between the washers and extending beyond the peripheries thereof, the elements of the end units being disks, and the elements of the intermediate units being oppositely arranged independent segments, each unit having an opening to receive the sleeve, and means to clamp the units on the shaft.

1,735,707. CRANK SHAFT. ROBERT WORDEN, Lansing, Mich. Filed Nov. 30, 1927. Serial No. 286,872. 1 Claim. (Cl. 74—38.)



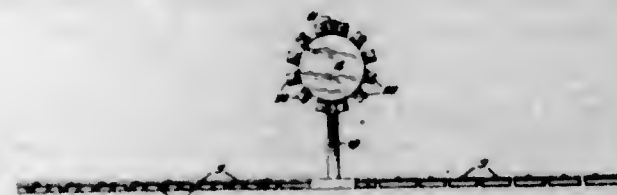
A crank shaft round in section having bends forming multiple cranks, fixed collars in the cranks, divided pitmen having circular flanges overlapping the periphery of the collars, and ball bearings housed in the pitmen to form anti-friction bearing on the collars.

1,735,708. FRONT-AXLE ASSEMBLY. JAMES A. WRIGHT, Montreal, Quebec, Canada. Filed Dec. 8, 1927. Serial No. 238,683. 3 Claims. (Cl. 280—124.)



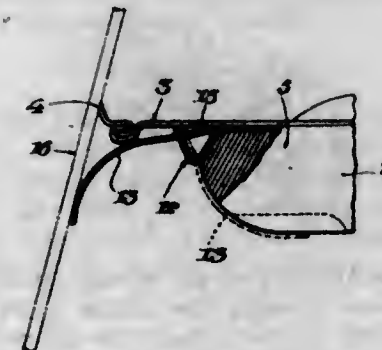
1. In a device of the class specified, a front wheel carrier comprising upper and lower vertical bearings forming an arched outward extension, side plates forming a vertical channel, upper and lower integral cups between the side plates, removable covers to the cups and transverse bolts below each cup adapted to provide pivots for radius rods.

1,735,709. SIGNAL. GEORGE ZINT, Wapakoneta, Ohio. Filed July 5, 1929. Serial No. 376,192. 3 Claims. (Cl. 246—126.)



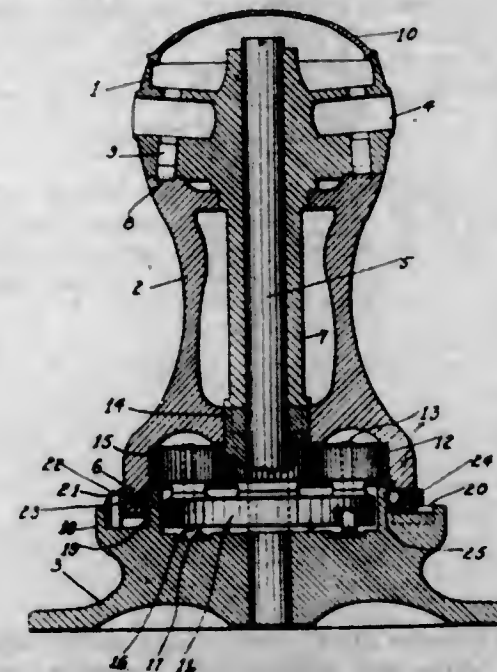
1. A railroad crossing signal comprising a group of lamps, a bell, a plurality of hammers for the bell, magnetic means for each hammer, a circuit for each lamp and magnetic means and means for successively closing the circuits by a train approaching the crossing.

1,735,710. FLOOR SCRAPER. ALFRED W. ABRAHAMSEN and ANDERS SKARSTEN, Queens Village, N. Y. Filed Jan. 25, 1929. Serial No. 334,968. 16 Claims. (Cl. 145—47.)



1. A floor scraper comprising a handle having a blade provided with a cutting edge, and means permanently carried by one of said parts for guiding a sharpening instrumentality for the cutting edge.

1,735,711. CAPSTAN. HERMAN S. ALBRECHT, St. Louis, Mo. Filed Mar. 28, 1928. Serial No. 263,348. 6 Claims. (Cl. 254—150.)



4. In a capstan, a rotary head member, a fixed base member having an annular flange provided with a groove peripherally therein, a rotary barrel member between said base and head members and having an annular flange adjacent said first-mentioned flange, a shaft extending between said base and head, means on said shaft for transmitting drive between said head and barrel members, anti-friction means between said pair of flanges and traveling in said annular groove, the outermost of said pair of flanges having a radial aperture therethrough, whereby said anti-friction means are insertable into position after assembly of said capstan.

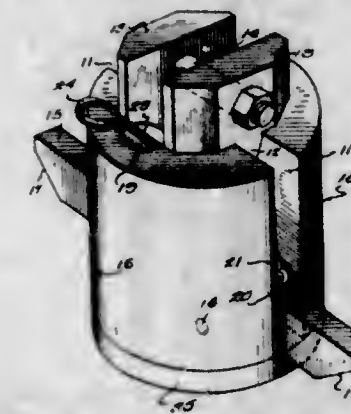
1,735,712. SAFETY SUMP ATTACHMENT FOR CARBURETORS. MARK J. ALDRICH, Keokuk, Iowa, and DALE A. SEITZ and KENNETH E. GABBERT, Kankakee, Ill. Filed Oct. 31, 1927. Serial No. 230,057. 4 Claims. (Cl. 137—111.)



1. A carburetor attachment for the purpose stated comprising a sump chamber having openings in its top and

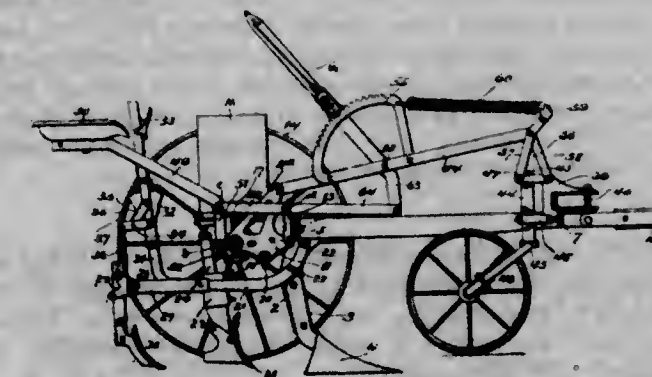
bottom walls, a nipple including a hollow tubular body fitted through said openings and having an opening in its wall establishing communication between its bore and the interior of the sump chamber, the nipple having its upper end projecting above the sump chamber for connection to the well of a carburetor by way of an opening in the bottom of said well, and a drain valve in the bottom of the sump chamber.

1,735,713. WHEEL-LIFTING DEVICE. HAYMOND A. ALLTOP, Fairmont, W. Va., assignor of one-half to Ora M. Doolittle, Fairmont, W. Va. Filed Apr. 8, 1926. Serial No. 100,761. 1 Claim. (Cl. 299—97.)



A device of the character described comprising a vertical integral cylindrical body provided in opposite sides with vertical slots extending from the top to the bottom thereof, the inner faces of said slots converging toward their lower ends, and with upwardly converging openings communicating at their lower ends with said slots, said body being further provided with an opening extending from the top thereof and communicating at its lower end with the upper ends of said first named openings, a finger provided with a hub engaging face and pivotally connected at its inner end to said body in the lower portion of each of said slots, said fingers being adapted to swing to substantially horizontal positions with their lower ends projecting beyond said body, a plate secured against the lower end of said body and adapted to contact with said fingers when the latter are in operative position, an eye carried by the hub engaging face of each of said fingers and within said slots, flexible means connected to said eyes for swinging said fingers upwardly to inoperative positions wholly within said slots, said flexible means extending upwardly through said openings and having an upper end arranged above said body, said body having a pair of parallel integral projecting members extending upwardly beyond its upper end and arranged transversely with respect to said slots, said projecting members being provided with aligned openings, and a bolt extending through said aligned openings.

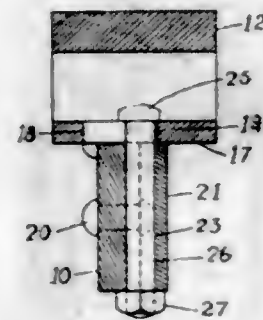
1,735,714. PLANTER. HERMAN E. ALTOWELT, South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, a Corporation of Delaware. Filed Dec. 1, 1925. Serial No. 72,571. 7 Claims. (Cl. 97—243.)



1. In a planter, the combination with a frame and a wheeled axle, of means constituting a parallelogram con-

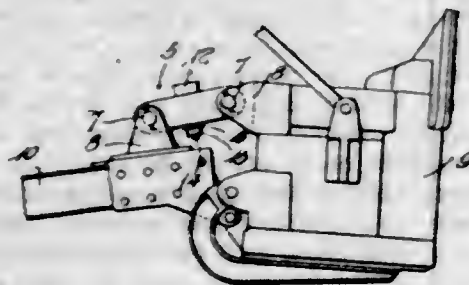
section between the rear part of the frame and wheeled axle, a carriage, means constituting a parallelogram connection between said carriage and the front part of the frame, and means cooperable with said parallelogram connections for raising and lowering the frame at both ends perpendicular to the ground.

1,735,715. TRACTION-WHEEL LUG. HERMAN E. ALT-GELT, South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, a Corporation of Delaware. Filed May 26, 1928. Serial No. 280,727. 6 Claims. (Cl. 301-44.)



6. The combination of a narrow rim traction wheel, a traction wheel lug therefor, there being a longitudinally extending opening in said lug, said lug having an aperture in the bottom thereof communicating with said first named aperture, through which the head of a bolt may pass, projections formed on the inner side of said lug and engageable with one side of said rim, a bracket secured to the other side of said rim, and a bolt having its head thereof detachably mounted in the aperture in the base of said lug, and extending between said rim and bracket for securing said lug to said rim.

1,735,716. PITCH SHACKLE. ROY H. ANDERSON, Long Beach, Calif. Filed Sept. 7, 1927. Serial No. 217,966. 3 Claims. (Cl. 214-145.)

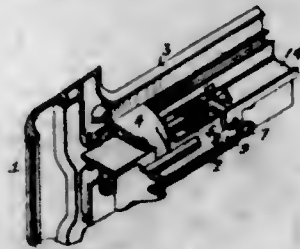


1. An improvement in a steam shovel of the type having a leg, a bucket connected at its lower rear portion with the front end of said leg, a rearwardly projecting bifurcated lug on the upper end of the bucket, an upwardly projecting bifurcated lug on the front end of said leg spaced behind the first named lug, a pitch shackle whose ends are received between the furcations of said lugs, and transverse pins passing through said lugs and shackle ends; said improvement comprising a longitudinal recess in said shackle, blocks slidable in the ends of said recess and abutting said pins to tightly bind them in the pin-receiving openings of the shackle, and means for positively forcing said blocks outwardly.

1,735,717. OVEN-DOOR HINGE. WILLIAM D. ANTRIM, Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 6, 1929. Serial No. 360,976. 3 Claims. (Cl. 126-191.)

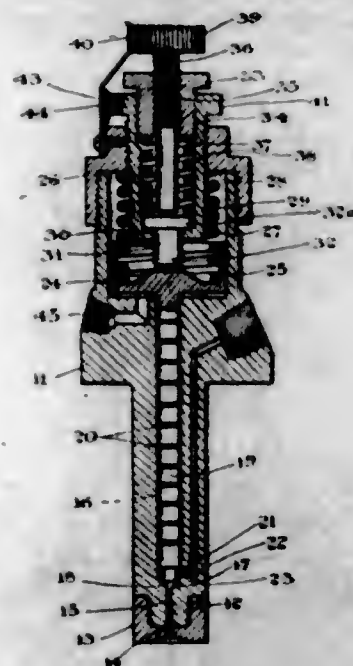
1. The combination in a frame, of a door having rearwardly extending projections; pintles on said extensions;

a coiled spring on each pintle, one end of the spring being secured to the pintle; a box enclosing the hinge mechanism, the rear wall of the box having a bayonet slot



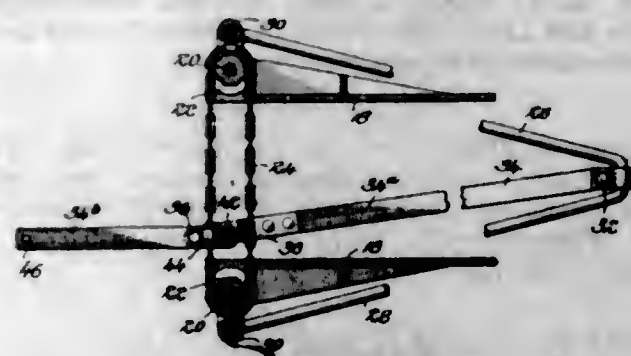
therein, and the free end of the spring extending through the slot, the slot allowing the spring to be retained in position or readily removed from the slot when it is desired to detach the door from the frame.

1,735,718. FUEL INJECTOR. ANDRE C. ATTENDU, Montreal, Quebec, Canada. Filed Apr. 4, 1925. Serial No. 20,775. 6 Claims. (Cl. 123-32.)



1. A fuel injector of the reciprocable needle valve type including a valve stop functioning to restrict, to a predetermined degree, the lift of the valve when injecting small quantities of fuel and to permit maximum lift of the valve when injecting larger quantities of fuel.

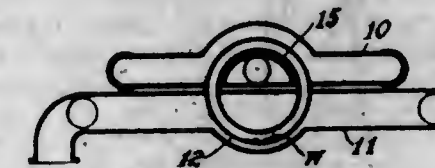
1,735,719. DRAFT HITCH FOR TRACTORS. PHILIP P. BAKER, Chula Vista, Calif. Filed Dec. 3, 1927. Serial No. 237,493. 3 Claims. (Cl. 280-33.12.)



1. In a draft hitch for tractors, a draft bar composed of a forward section and a rear section, means for pivotally connecting said forward section at its forward end with a tractor whereby said forward section is swingable about said pivot in a horizontal plane to dispose its rear end in different positions of adjustment transversely of the

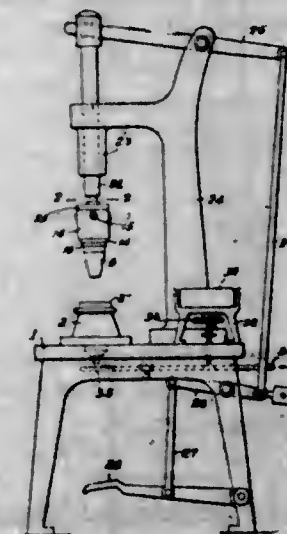
tractor, means for locking said forward section in different positions of pivotal adjustment thereof, a pivotal connection between a forward portion of said rear section and a rear portion of said forward section, and means for securing said sections in different positions of pivotal adjustment with respect to one another.

1,735,720. MEANS FOR SUPPLYING HEAT TO THE MIXTURE DELIVERED TO INTERNAL-COMBUSTION ENGINES. BRYANT BANNISTER, Pittsburgh, Pa., assignor to Bannister Motor Appliance Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 3, 1926. Serial No. 99,550. 12 Claims. (Cl. 123-122.)



1. The combination with means for delivering a mixture of liquid fuel and air to an internal combustion engine and means for conducting the exhaust gases therefrom, of a hollow, sealed, metallic element located partially within each of said means and a body of vaporizable liquid within said element and but partially filling the same.

1,735,721. DEVICE FOR MAKING RECEPTACLES. ANTONIO PEREZ BARRO, Habana, Cuba. Filed Dec. 22, 1927. Serial No. 241,968, and in Cuba Dec. 14, 1927. 4 Claims. (Cl. 93-60.)



1. In apparatus for making receptacles, a stationary "female" adapted to contain in its interior a folded blank for making a receptacle; a "male" mould registering with the female mould for moulding by pressure the blank contained in the "female" mould; a bordering piece and a die, arranged slidably around the "male" mould springs for operating said bordering piece and die, the springs which operate the die being stronger than those which operate the bordering piece; and means for causing the movement of the "male" mould, the bordering piece and die, to and from the "female" mould.

1,735,722. POLE-PROTECTING DEVICE. ROBERT BRARD, Philadelphia, Pa. Filed June 23, 1926. Serial No. 119,185. 1 Claim. (Cl. 20-100.)

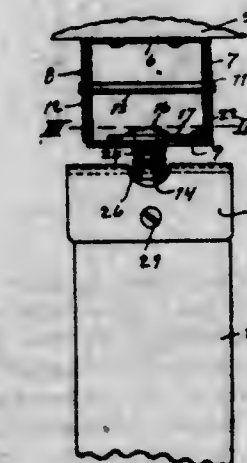
In a metallic pole boot and joint of the class described, a casing for receiving a pole, and having greater diameter than the pole, said pole having an annular groove therein,

a flanged element secured to the top of the casing, and a collar mounted on said flanged element, said collar being proportioned to enter the annular groove, said flanged element constituting a sleeve extending down-



wardly around the upper portion of the casing and reinforcing the latter, and the flange of the sleeve and the collar which enters the groove of the pole reinforcing each other.

1,735,723. STROP HOLDER. MARTIN S. BENTLEY, St. Helena, Calif. Filed June 11, 1928. Serial No. 284,614. 1 Claim. (Cl. 51-201.)

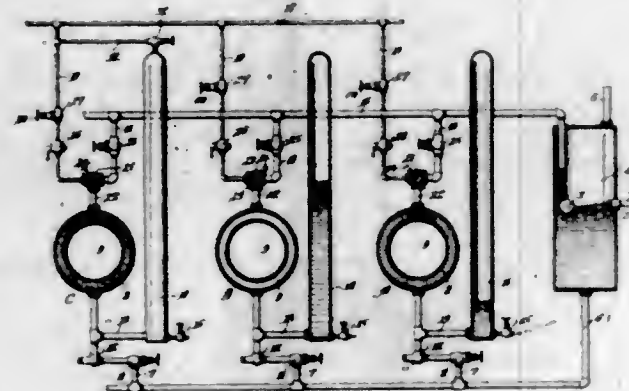


In a device of the character described, a pair of brackets pivoted one to the other, a stud extending through one of said brackets, said stud having a squared portion formed thereon, a washer positioned on said stud and engaging the squared portion thereof, said washer having notches formed in the periphery thereof, a latch pivotally secured to said bracket and adapted to engage said washer for the purpose of preventing rotation of said washer in one direction only, a strop securing clamp secured to said stud and a spring interposed between said bracket and said strop securing clamp.

1,735,724. REFRIGERATION. JOHN G. BRADGOLL, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a Corporation of Delaware. Filed Feb. 7, 1928. Serial No. 252,493. 5 Claims. (Cl. 62-2.)

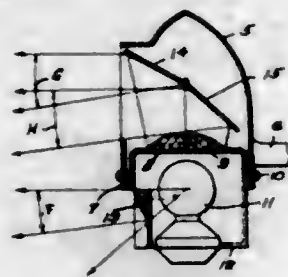
1. The combination of a cooler; a connection for supplying a cooling liquid thereto; a discharge connection leading therefrom; a connection for supplying a liquid

displacing gas to said cooler; means for opening either the discharge connection or the displacing gas connection, while maintaining the other closed; a chamber having



means for yieldingly resisting the entrance of liquid; means for resisting back flow through said supply connection; and a connection from the lower portion of the cooler to said chamber.

1,735,725. ANTIGLARE HEADLIGHT FOR MOTOR CARS. JOSEPH BOREL, Annecy, France. Filed Mar. 29, 1928, Serial No. 265,605, and in France Nov. 25, 1927. 3 Claims. (Cl. 240-41.)

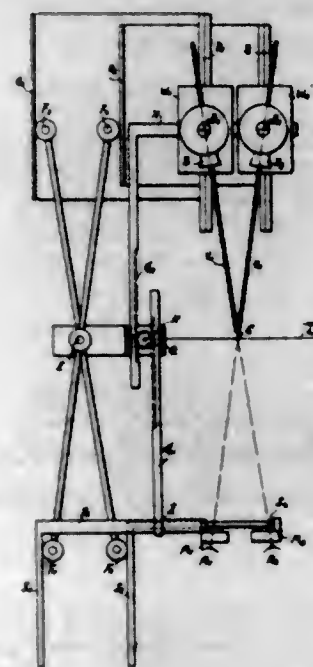


1. A vehicle lamp comprising a light source, an inverted cup-shape opaque hood above said source and having its lower edge substantially in line with the center of the light source, a semi-plano-convex lens depending below the edge of the hood and condensing rays from the light source in planes below the horizontal, a mirror to one side of the axis of the light source, and inclined with respect to said axis, a semi-plano-convex lens between said mirror and light source to condense the rays received thereby on the mirror, a second mirror to the other side of the axis of the light source and inclined in relation to said axis of the light source, and to the first mirror, a second semi-plano-convex lens placed between the second mirror and the light source to condense the rays received thereby on the second mirror, both mirrors projecting the rays received by them in directions at and below the horizontal, the hood serving to prevent the direct outward passage of rays upwardly.

1,735,726. DEVICE FOR STEREOSCOPIC RÖNTGEN-RAY FLUOROSCOPY. FRITZ BORNHARDT, Buchschlag, Hessen, Germany. Filed Dec. 20, 1927, Serial No. 241,423, and in Germany Dec. 27, 1926. 3 Claims. (Cl. 250-34.)

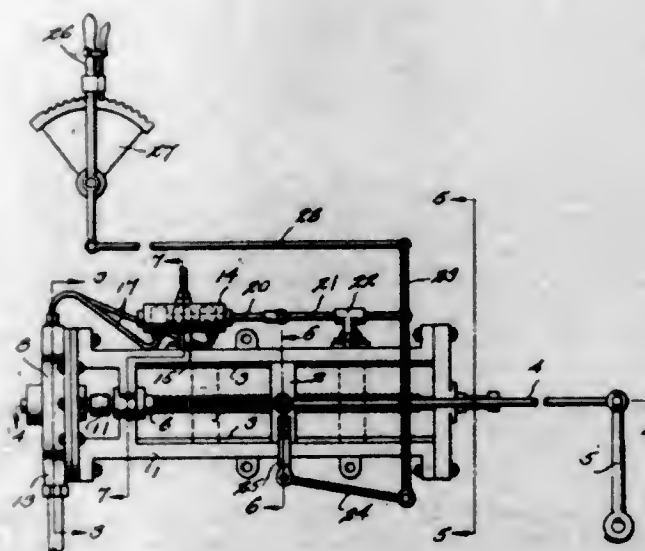
3. A device for Röntgen-ray stereoscopic fluoroscopy comprising two Röntgen tubes with two focal spots, a fluoroscopic screen and a stroboscopic diaphragm for the eyes of an observer, means for automatically making the

distance of the focal spots from the screen and the distance of the stroboscopic diaphragm for the eyes from the



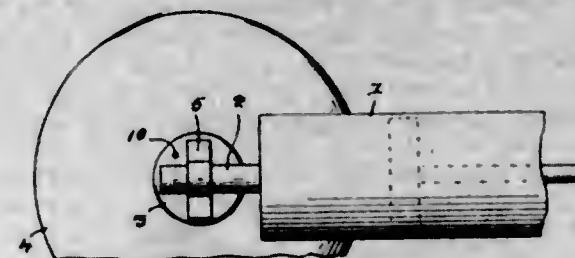
screen equal and means for automatically adjusting the distance of the focal spots relative to each other and in conformity with the spacing of the eyes of an observer.

1,735,727. POWER REVERSE MECHANISM FOR LOCOMOTIVES. WILLIAM SHERMAN BROWN, Knoxville, Tenn., assignor of one-fourth to E. L. Keister and one-fourth to K. W. Dennis, Knoxville, Tenn. Filed Mar. 28, 1928, Serial No. 265,510. 1 Claim. (Cl. 121-162.)



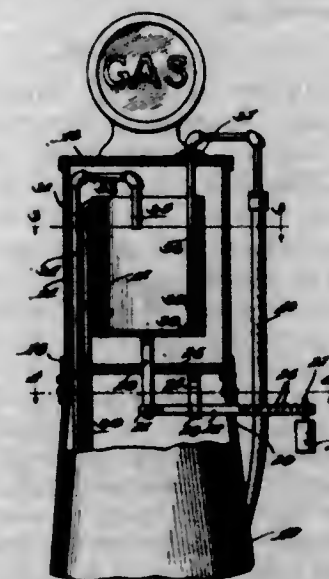
In combination with the reverse mechanism of a locomotive, a support forming a guideway, a member slidably arranged in the guideway and connected with the mechanism, a spirally threaded shaft rotatably arranged in the support and passing through a threaded hole in the member, a reversing motor for rotating the shaft, a slide valve for controlling the flow of steam to the motor, a rod, a slidably arranged link for connecting the rod to the stem of the valve, a hand lever and a link pivotally connected at one end to the hand lever and at its other end to the rod so that the rod can be moved from the hand lever to adjust the valve and the rod will also be moved by the sliding member to move the valve to closed position.

1,735,728. INTERMITTENT SPRAY DEVICE. ISAAC W. P. BUCHANAN, Lebanon, Tenn. Filed Apr. 8, 1927. Serial No. 182,155. 2 Claims. (Cl. 299-88.)



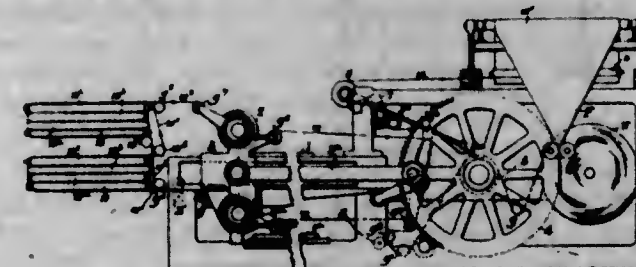
1. In combination with a reciprocating air pump having a valveless discharge opening and a container, a valveless air tube connected with said discharge opening, a liquid tube communicating with the container, said air tube having a mouth which confines the air blast and into which the liquid tube projects, said mouth being formed by making the outer end or the bore of the tube enlarged, the liquid tube extending into the enlarged bore and having a lip at its rear to prevent the suction created by the return stroke of the piston from drawing liquid from the tube into the pump.

1,735,729. MEASURING DEVICE. JOHN K. CARTER, Clarksville, Ark. Filed Nov. 22, 1928. Serial No. 321,219. 2 Claims. (Cl. 365-29.)



1. A dispensing device for gasoline comprising a tank mounted for vertical reciprocation, a discharge pipe having the free end located within the container, means in the container for engaging the free end of the pipe for closing the same, means for supporting the container, a weight co-operating with said supporting means for maintaining the container in an uppermost position when the container is full of liquid, and means for supplying the container with liquid.

1,735,730. MULTICOLOR FLAT-BED WEB-PRINTING PRESS. PAUL F. COX, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 28, 1929. Serial No. 335,658. 15 Claims. (Cl. 270-22.)



1. In a web printing press; two printing couples, each comprising a flat bed and a coating travelling cylin-

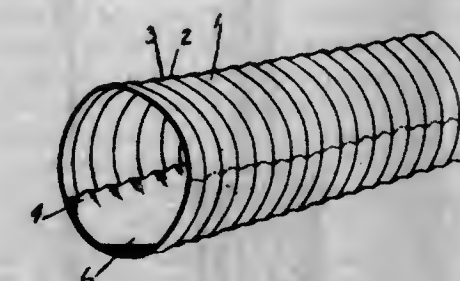
der, and means for feeding a wide web or two narrow webs or sections of webs through the press whereby they may be perfected if desired; of means intermediate the printing couples for turning the narrow webs or sections of web after they have been printed by the first couple so that the same side of such narrow webs will be printed by the second printing couple.

1,735,731. ATTACHMENT PLUG FOR ELECTRIC HEATING DEVICES. ROY HERBERT CUNNINGHAM, Jackson, Mich., assignor to The Reynolds Spring Company, Jackson, Mich. Filed July 15, 1927. Serial No. 205,951. 5 Claims. (Cl. 173-352.)



5. A contact member comprising a single piece of metal bent upon itself to form a shank and at the free end of the shank being directed outwardly in opposite directions and thence to provide side portion provided with openings and having their ends flared and thence bent backwardly and extending rearwardly between the side portions to form yieldable tongues arranged between said side portions, the said tongues intersecting the openings in the side portions.

1,735,732. PROCESS OF PROTECTING METAL CULVERTS. ALBERTON S. CUSHMAN, Washington, D. C., assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Nov. 30, 1925. Serial No. 72,139. 2 Claims. (Cl. 91-68.)

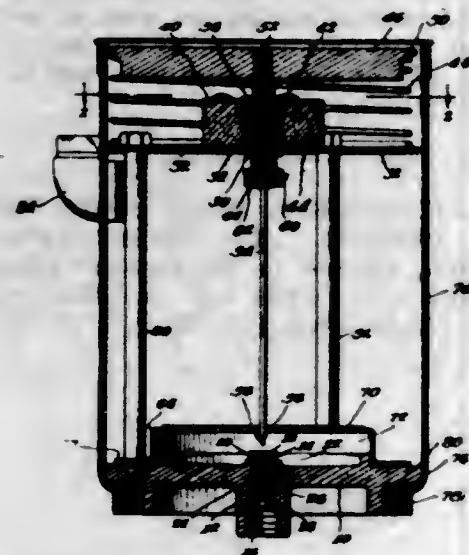


1. A process of protecting circumferentially corrugated culverts of sheet metal which consists in flowing into the culvert when laid horizontally, a heat liquefied body consisting of an asphaltic substance in sufficient quantities and of a consistency to flow and collect in a pool or pools along the bottom center line of the culvert, of sufficient depth to level off the corrugations along said bottom center line, and then permitting the asphaltic substance to solidify, while holding the corrugated culvert horizontally.

1,735,733. LIQUID-HANDLING MEANS. ERNEST W. DAVIS, Oak Park, Ill., assignor to Alemite Corporation, Chicago, Ill., a Corporation of Delaware. Filed Dec. 9, 1925. Serial No. 74,423. 22 Claims. (Cl. 103-208.)

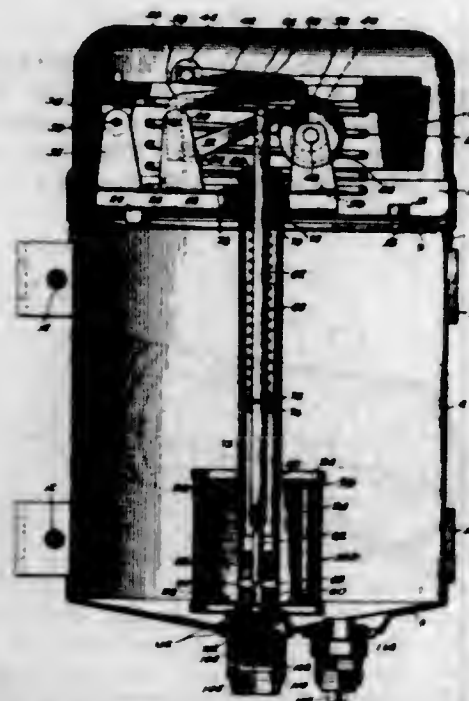
1. Handling means for material of a substantially liquid nature, comprising a frame, spaced circular plates at opposite ends thereof, a tube having an intumed lip clamped to the bottom one of said plates to form a con-

tainer, a cylinder in said bottom plate, an inertia actuated power device above the upper plate, means driven



by said power device for expelling material from said cylinder, and filling means permitting filling of said tube up to the level of said upper plate only.

1,735,734. LUBRICATING APPARATUS. ERNEST W. DAVIS, Oak Park, and LEONARD H. WHISLER, Chicago, Ill., assignors to Alemite Corporation, Chicago, Ill., a Corporation of Delaware. Filed Mar. 30, 1927. Serial No. 179,423. 12 Claims. (Cl. 103-208.)

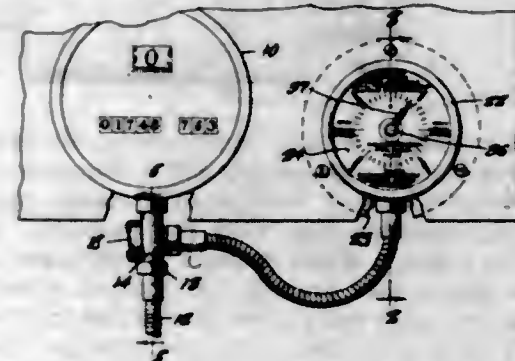


1. In a device of the class described, the combination of a lubricant supply tank having an inwardly projecting top flange, a plate removably secured to said flange, an inertia operated pump actuating mechanism positioned above and held against rotation by said plate and having a support extending through said plate and through the bottom of said tank, means external of the tank for securing said support to the bottom of said tank, and a cover fitting over said pump mechanism and engaging said plate, whereby upon release of said means and removal of said cover, said mechanism may be removed as a unit from said tank.

1,735,735. INDICATOR. SAMUEL L. DAVIS, Gurdon Ark. Filed Jan. 28, 1929. Serial No. 335,566. 2 Claims. (Cl. 116-114.)

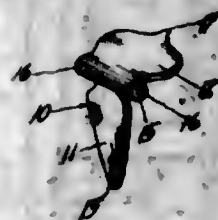
1. An indicating device comprising a housing having a partition spaced from one end thereof, a dial lying flush

with the adjacent side of the partition and having callibrations and indicia thereon relative to the various parts and units of a motor vehicle to be lubricated at prescribed intervals, a shaft extended centrally of the partition and dial having a worm gear upon that end within the housing, a pointer hand carried upon the outermost projecting end of the shaft to be moved across the face of the dial, an axle vertically disposed with relation to



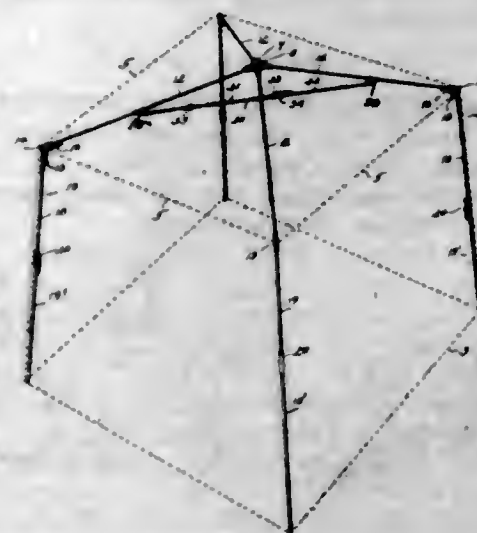
and to one side of said shaft having a worm portion meshingly engaged with the worm gear, a worm gear carried upon the opposite end of the axle, a companion horizontally disposed axle having a worm portion upon one end engageable with the worm gear of the vertically disposed axle and a worm gear upon its opposite end, and a driven shaft extended within the housing having a worm portion engageable with the worm gear of the companion horizontally disposed axle.

1,735,736. LOCATION MARKER FOR GOLF BALLS AND THE LIKE. ALLISTER C. DAVIDSON, Los Angeles, Calif. Filed July 23, 1928. Serial No. 294,722. 2 Claims. (Cl. 273-32.)



1. A device of the character described, comprising: a pointed peg adapted to be inserted in the ground and a pointed indicator top freely, hingedly mounted on its upper end and normally foldable against the peg, said top being arranged to extend parallel with the peg or extend at right angles thereto and being adapted to be supported in its relative right angular position by the surface of the ground when the peg is inserted therein.

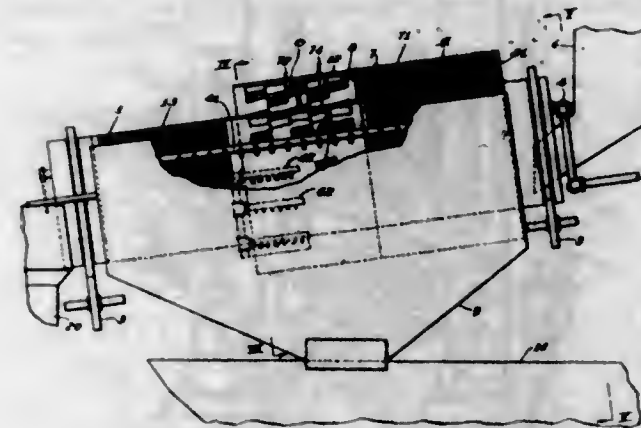
1,735,737. TENT. GEORGE H. DIAL, Columbus, Ohio. Filed Feb. 28, 1927. Serial No. 171,452. 1 Claim. (Cl. 135-4.)



In a tent, a collapsible frame structure comprising a plurality of radiating ribs, a centrally disposed hub to

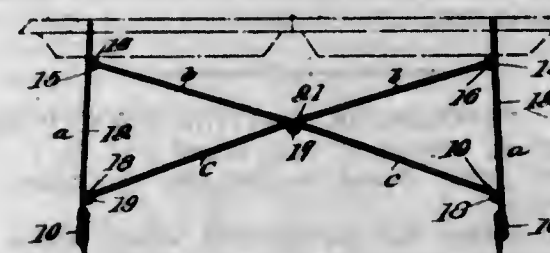
which the inner ends of said ribs are pivotally connected, the outer ends of the ribs having pivotally connected thereto corner fittings, depending leg members having their upper ends detachably connected to said fittings, said corner fittings and hub member being provided with upstanding pins adapted to be positioned within openings formed in the tent covering, and an extension formed with said corner fitting with which the latter is swung on its pivotal connection to stretch said covering before connecting said fitting to the upper end of a leg member.

1,735,738. GRAVEL WASHER. FRANCIS R. DRAGO, Edgeworth, Pa., assignor to The Drago Contracting Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1928. Serial No. 263,058. 4 Claims. (Cl. 209-270.)



1. A washer for earthy material including two inclined supports arranged one beneath another, the upper including a sieve portion and an imperforate prolongation beyond the lower end of the sieve portion, and the lower support being arranged to receive material passing through the sieve portion of the upper support, means associated with each support for directing washing streams of water upon the material resting upon it, means for segregating the washed-out burden of the upper support, and means for collecting the washed-out burden of the lower support together with the washing streams.

1,735,739. TROUGH-SUPPORTING RACK. NETTIE M. ELBON, Charleston, W. Va. Filed Jan. 26, 1928. Serial No. 249,615. 6 Claims. (Cl. 248-41.)



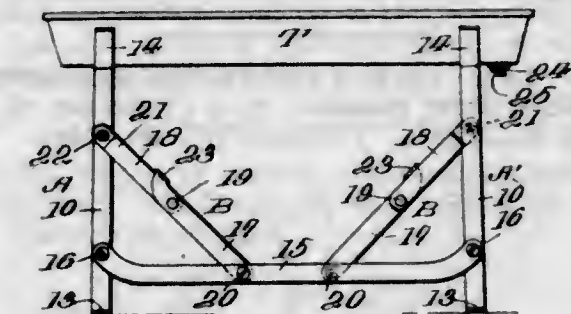
1. A rack of the character described comprising two uprights each provided with brace rods removably connected therewith and also with trough supporting portions, and means removably connecting the brace rods of the respective frames with each other so as to maintain said frames in normally fixed spaced relation.

1,735,740. RACK. NETTIE M. ELBON, Charleston, W. Va. Filed July 26, 1928. Serial No. 295,610. 3 Claims. (Cl. 248-41.)

1. A trough-supporting rack of the character described comprising two spaced apart end members each having a trough-supporting cross bar near its top and spaced apart

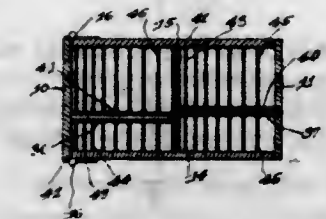
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engaging arms projecting above the plane of said cross bar, side bars having their extremities pivotally connected to the lower portions of said end members, and brace members each consisting of two pivotally connected arms, one



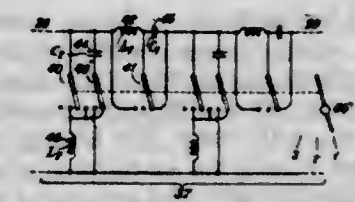
of said arms having an end pivotally connected to an end member, and the other arm having an end pivotally connected with an adjacent portion of a side bar, so that the arms of said brace members will be in alignment with each other while the end members are in an upright position.

1,735,741. CABINET. RICHARD EVANS, Highland Park, Ill. Filed Feb. 1, 1928. Serial No. 251,216. 1 Claim. (Cl. 312-146.)



A cabinet comprising a frame member having shelf members extending thereacross in spaced apart relation parallel to the ends thereof, partitions extending between said shelf members and said end members in parallel relation with the sides of the frame and disposed substantially midway between said sides to divide the area defined by said frame into a plurality of compartments, door members hingedly connected to said frame to close access to said compartments, wall members disposed in said compartments parallel to said door members, said wall members being spaced from said door member in a manner such that the wall member in one of said compartments will be disposed relatively close to said door member and such that successive wall members will be spaced from said door member in greater amounts in a successive manner, said wall members being disposed such that the distance between said door member and said wall members on one side of said device will be less than the distance between said other door member and other wall members on the other side of said device, the wall member arranged farthest from said last named door member being disposed in co-operative relation with the wall member closest to said first named door member, and partitions extending between said shelf members and said end members parallel to the sides of said frame and said first named partitions to divide said compartments into a plurality of spaces.

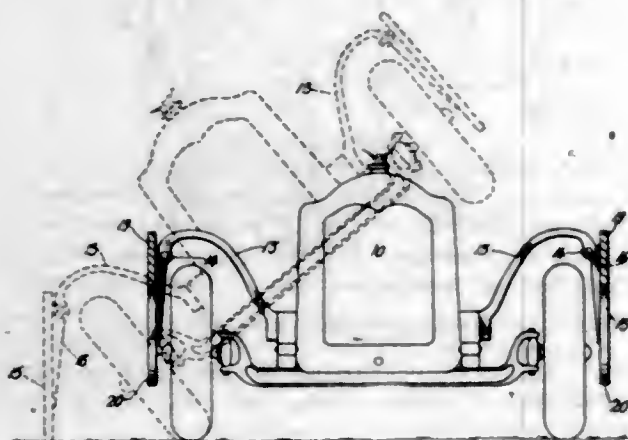
1,735,742. WAVE FILTER. CHARLES H. FETTER, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,819. 11 Claims. (Cl. 178-44.)



1. A wave filter having successive recurrent sections with at least one coil and at least one condenser per sec-

tion and means to change the connections of at least one kind of said reactance elements to adjust the free transmitting range of the filter to a desired frequency range, certain of said coils and condensers being operatively connected in on each of several different adjustments.

1,735,743. SAFETY DEVICE FOR AUTOMOBILES. ABRAHAM FINN, Elizabeth, N. J. Filed Oct. 8, 1928. Serial No. 310,848. 7 Claims. (Cl. 280—150.)

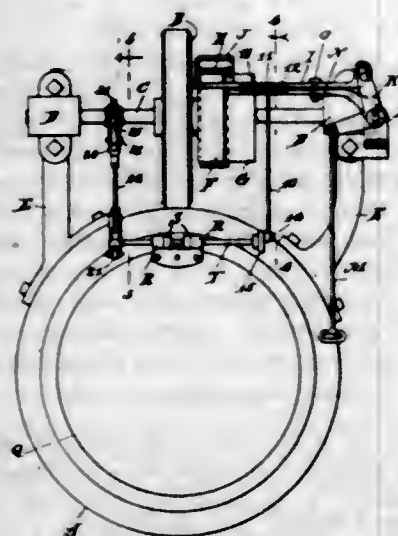


1. In an automobile having a bumper mounted forward thereof, and means operable by gravity for preventing the tipping over of said automobile, said means being released upon the accidental colliding of the bumper with an object.

1,735,744. STEEL ALLOY. ADOLF FRY, Essen-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed July 28, 1927, Serial No. 209,186, and in Germany Aug. 23, 1926. 3 Claims. (Cl. 75—1.)

1. A steel alloy containing 15 to 25 per cent of chromium, 15 to 25 per cent of nickel and less than 0.2 per cent of carbon.

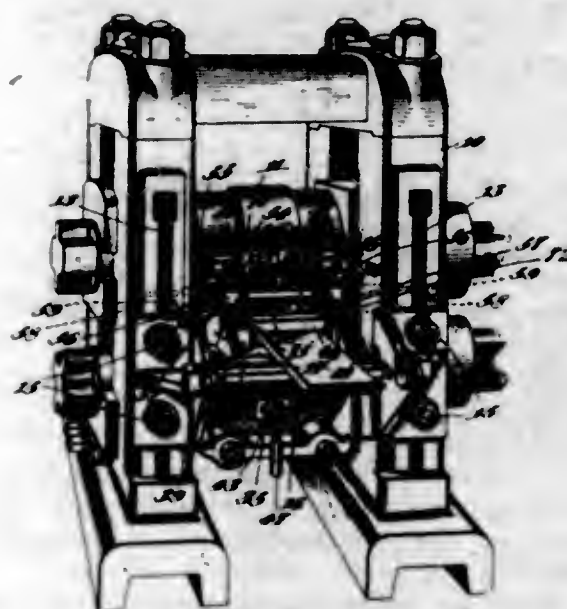
1,735,745. SAFETY ATTACHMENT FOR EXTRACTORS. JOSEPH GARIGLIO, New York, N. Y. Filed Nov. 29, 1927. Serial No. 236,522. 2 Claims. (Cl. 192—136.)



2. The combination with an extractor including a body having an inner rotary member and a drive shaft with shiftable means for rendering the drive shaft and inner rotary member active; of a safety attachment including a wheel secured to the drive shaft and having notches in its periphery, a detent means for preventing, when in one of its positions, the opening of the cover, and a shiftable foot connected with the detent means and movable into the peripheral notches of the wheel only when the wheel is at

rest, for permitting of the shifting of the detent means to a release position, and means operable by the cover when opened for locking the shiftable means in its shifted position which renders the drive shaft and inner rotary member inactive, said means including a bolt shiftable to an engaged locking position with the extractor driving mechanism when said mechanism is inactive, whereby to hold said mechanism inactive while the cover is open.

1,735,746. ROLLING MILL. HARRY R. GEER, Johnstown, Pa., assignor to Bethlehem Steel Company. Filed Jan. 13, 1926. Serial No. 80,922. 28 Claims. (Cl. 80—31.1.)



20. The combination, with a mill stand having main rolls rotatable about horizontal axes, a rest bar carried by the stand at the discharge side of the main rolls and extending substantially parallel to the axes of the latter, a carriage movable along the rest bar, a pair of vertical stub shafts carried by the carriage and each having an eccentric journal portion, edging rolls journaled on the journal portions of the stub shafts, means for securing simultaneous and opposite rotary movements of the stub shafts to cause the edging rolls to approach or to recede relatively to each other, a clamping bar cooperating with ends of the stub shafts extending above the edging rolls, means cooperating with the clamping bar for clamping the stub shafts in positions of adjustment, abutment means carried by the stand and disposed rearwardly of the edging rolls, and strut means disposed between the abutment means and said clamping bar.

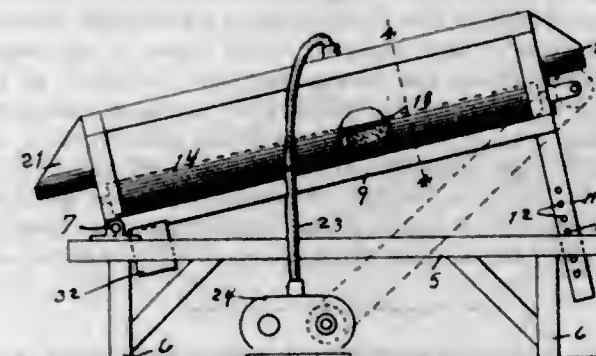
1,735,747. PROCESS FOR TREATING EMERY WHEELS. CHARLES L. GEHRICH, Long Island City, N. Y. Filed July 17, 1928. Serial No. 293,490. 4 Claims. (Cl. 51—278.)

1. The process for impregnating emery wheels with rosin comprising the steps of placing a layer of rosin on an emery wheel at ordinary temperatures, heating the two to a temperature above the melting point of rosin, maintaining the temperature at this point until the rosin penetrates the emery wheel and allowing the wheel to gradually cool.

1,735,748. VEGETABLE CONDITIONER. JOUGURTHA W. GLENN, FRANK R. HOOD, and JOSEPH B. SCHWAB, Stockton, Calif. Filed Feb. 1, 1928. Serial No. 251,171. 1 Claim. (Cl. 146—201.)

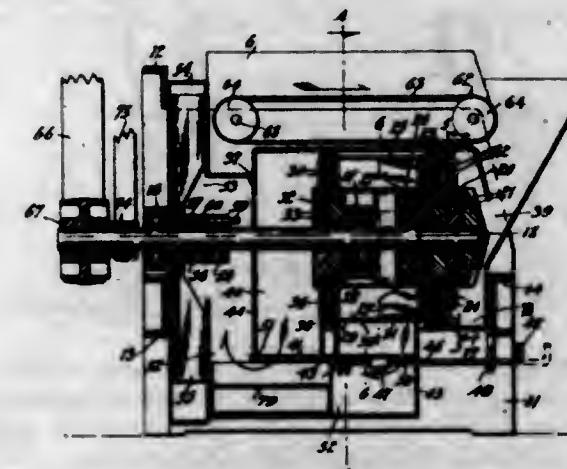
In a conditioning machine of the character described, a lower frame, an upper frame pivoted to said lower frame, means for raising or lowering said upper frame at one end thereof, a semi-circular member, a plurality of brushes spaced parallel to each other and extending from end to

end of said semi-circular member, means for rotating said brushes, a pipe extending parallel to said brushes, means for delivering fluid to said brushes from said pipe, a hopper



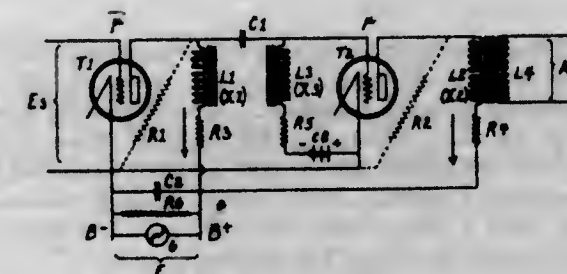
positioned at one end of said semi-circular member, and means for draining said semi-circular member for the purpose specified.

1,735,749. MACHINE FOR PROCESSING FIBROUS FILLING MATERIALS. MAX GOLDBERG, New York, N. Y. Filed Sept. 23, 1927. Serial No. 221,516. Renewed Oct. 3, 1929. 16 Claims. (Cl. 19—65.)



1. In a machine for processing filling materials, a picker consisting of a rotor built up of separate disk sections each having picker members, and a stator built up of separate ring sections each having picker members, the picker members of the rotor sections cooperating with the picker members of the stator sections to set up a picking or mixing action.

1,735,750. LOW-FREQUENCY ELECTRIC AMPLIFIER CIRCUITS. PHILIP H. GEEBLEY, Washington, D. C. Filed Jan. 16, 1928. Serial No. 247,120. 11 Claims. (Cl. 179—171.)



11. In combination, an alternating current operated plate current supply device and radio receiving set having operating circuits for a detector tube and a first audio amplifier tube connected in cascade and followed by a power amplifier, means for filtering the plate current supplied to said detector tube and audio amplifier tube separate from that supplied to said power amplifier, means for reducing unwanted low frequency electric currents in the signal output of the audio amplifier tube comprising a circuit arrangement for detector and audio tubes giving

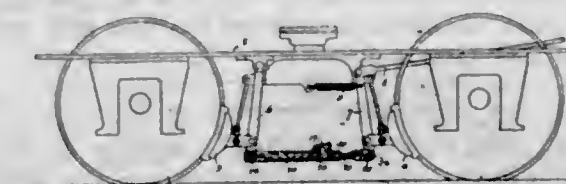
a reversal of phase of signal currents between their output circuits with more than six times as much resistance effective in the external plate circuit of the detector tube as the effective resistance in the external plate circuit of said audio amplifier tube, the power amplifier circuit being balanced to eliminate from its output unwanted currents, and means for coupling the signal output of said audio tube to said power amplifier.

1,735,751. SAFETY RAZOR. THOMAS C. GREEN, Nashville, Tenn. Filed Aug. 24, 1927. Serial No. 215,184. 2 Claims. (Cl. 30—12.)



1. In a razor, a hollow cylindrical member having one end closed and provided with a socket, a hollow cylindrical blade holding member having a socket at one end, a detachable shank having threaded engagement with the socket of the cylindrical member and one side of the blade holder, when not in use the shank being received within the hollow member and blade carrying member and detachably connected with the sockets of such parts to hold the blade holder within the hollow member.

1,735,752. SLACK ADJUSTER FOR BRAKES. JESSE R. GRUBE, North Bergen, and LOUIS F. MUNSCH, Secaucus, N. J. Filed Mar. 24, 1927. Serial No. 178,111. 2 Claims. (Cl. 188—200.)

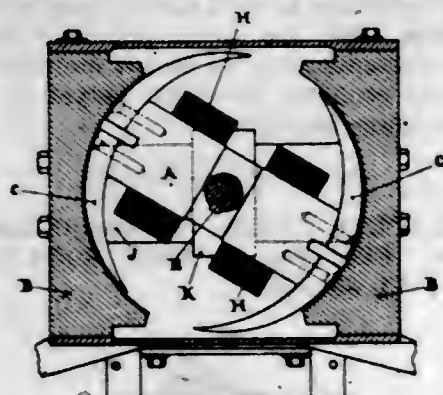


1. In a slack take-up for wheel brakes, a connecting structure formed with a pair of relatively sliding members, one of said members being a rack, a pawl carried by said other member positioned to be continually engaging the teeth of said rack, said other member having an aperture, and a spring pressed pin carried by said rack bar positioned to snap into said aperture when said sliding members have slid a certain distance in one direction, said pin acting to lock said sliding members against any further relatively sliding movement.

1,735,753. ELECTROMAGNETIC RAILROAD-SWITCH OPERATING DEVICE. ALBERT CHARLES JAMES GUENÉE, Villemomble, France. Filed Mar. 9, 1928. Serial No. 260,400, and in France Mar. 11, 1927. 5 Claims. (Cl. 246—242.)

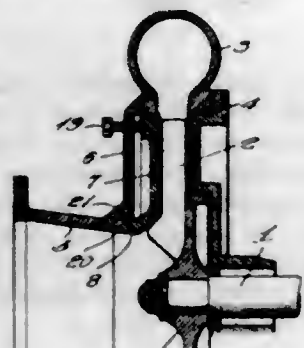
1. An electro-magnetic railroad switch-operating device, comprising, in combination with a stationary field magnet including pole shoes and which magnet is energised by a current of unchanging direction, and an electro-magnet

mounted to rotate between said pole-shoes and energized by the same current as the stationary field magnet, the rotary electro-magnet embodying crescent shaped pole shoes



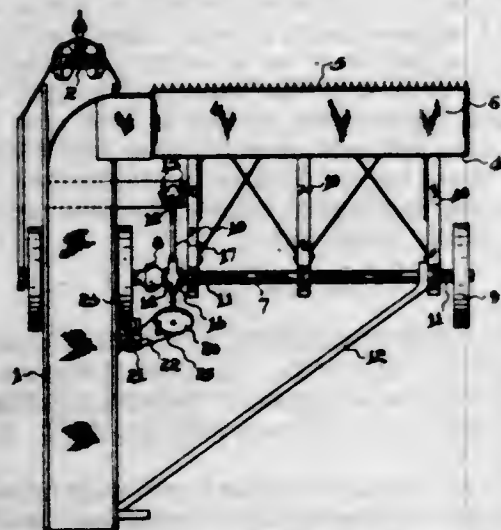
whereby the iron of the core of the rotary magnet is completely saturated at the portions entering between the pole-shoes of the stationary magnet.

1,735,754. LINER FOR CENTRIFUGAL PUMPS. GEORGE R. HARGIS, Frederick, Md., assignor to The Frederick Iron & Steel Company, Frederick, Md., a Corporation of Maryland. Filed July 22, 1927. Serial No. 207,799. 3 Claims. (Cl. 103-114.)



1. A centrifugal pump comprising a casing, a suction intake pipe leading to said casing, an impeller rotatably mounted in said casing, a circular plate member engaging the interior of said suction intake pipe and adjustable longitudinally with respect to said casing for selectively fixing the gap between said impeller and one wall of said casing, and a plurality of studs projecting from said circular plate member through said wall for locking said circular plate member in a selected position with respect to the wall of said casing.

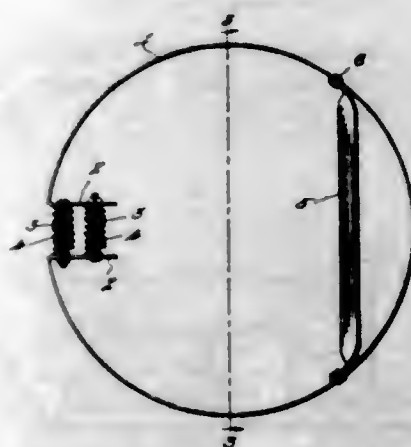
1,735,755. REAPER THRASHER. BURTON S. HARRIS and HOWARD M. JOHNSTON, Toronto, Ontario, Canada, assignors to Massey-Harris Company, Limited, Toronto, Canada. Filed May 9, 1927. Serial No. 189,898. 3 Claims. (Cl. 56-122.)



1. In a harvester, the combination of a main frame; a header platform extending laterally therefrom; a rockable

header platform supporting bar having one end suitably carried by the frame and extending behind the header platform; a ground wheel journaled on the other end of the bar; forwardly extending header platform supporting members secured to the rockable bar; a pivotally mounted nut part; a pivotally mounted sleeve part; a supporting screw journaled in the sleeve part and threaded in the nut part; a collar on the supporting screw engaging the sleeve part, one of the said parts being movable with the header platform and the other of the said parts being connected with the main frame whereby the header platform may be adjusted by means of the supporting screw relative to the ground and may be lifted independently of the screw.

1,735,756. ICE-CREAM-DIPPER SCRAPER. BEAT HART and FOREST HOLMES, Carthage, N. Y. Filed Apr. 4, 1928. Serial No. 267,372. 2 Claims. (Cl. 220-90.)



1. A device of the class described comprising a split ring adapted to be placed in a container, a scraper blade carried by the ring and spring means for expanding the ring to hold it against the inner walls of the container.

1,735,757. PLUNGER. ERNST W. F. HERRMANN, San Antonio, Tex. Filed Sept. 17, 1928. Serial No. 306,377. 1 Claim. (Cl. 74-109.)

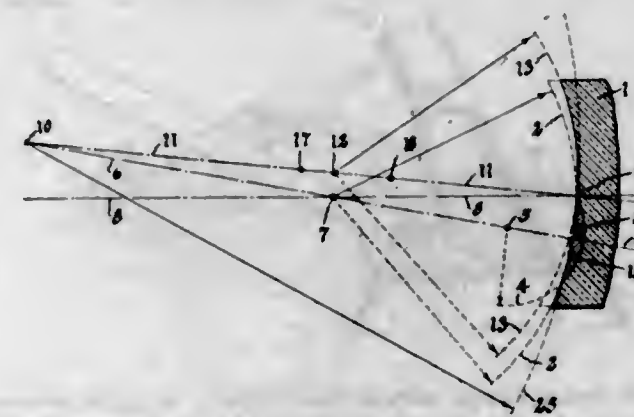


A plunger comprising a metal disc, a cup-shaped member formed of flexible material, means for securing the disc and cup-shaped member together, a second disc within the cup-shaped member, a corrugated resilient member supported by the second mentioned disc and engaging the wall of the cup-shaped member, ears projecting from the second mentioned disc and provided with intumed members to receive the convolutions of the resilient member.

1,735,758. MULTIFOCAL LENS. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed June 21, 1926. Serial No. 117,449. 18 Claims. (Cl. 88-54.)

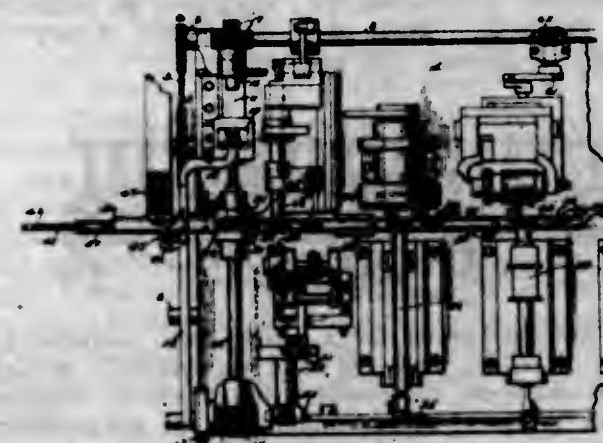
9. A multifocal lens comprising on one side thereof a small segment of glass secured to a larger piece of glass of different index of refraction, both pieces of glass having a common optical curved surface and a second optical

curved surface merging with the first surface, the center of curvature of said second surface lying on a straight



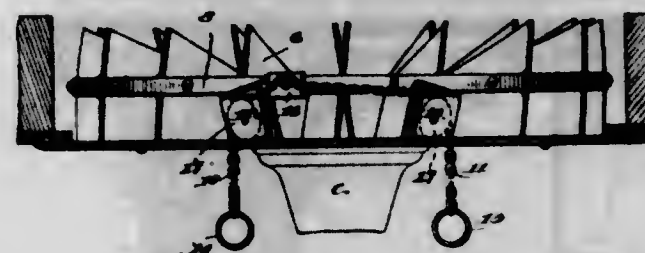
line passing through the effective equivalent center of curvature of the small segment and the top edge of the small segment.

1,735,759. NEEDLE-MAKING MACHINE. ALFRED HOFMANN, Fort Lee, and OSWIN KANIS, Union City, N. J., assignors to Alfred Hofmann Needle Works, Inc., Union City, N. J., a Corporation of New Jersey. Filed Feb. 27, 1928. Serial No. 257,402. 10 Claims. (Cl. 163-1.)



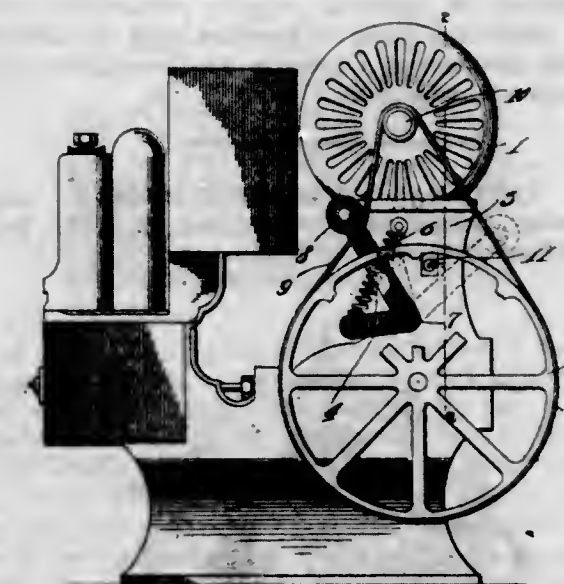
1. The method of making a narrowing-point which consists in cutting from wire a blank of predetermined length, rounding the butt-end of the blank, swaging the point, grinding the point, bending the butt-end, grooving the point-end, and bending the point.

1,735,760. VENTILATOR. JAMES ROBERT HOWARD, Tulsa, Okla. Filed June 4, 1928. Serial No. 282,701. 2 Claims. (Cl. 98-111.)



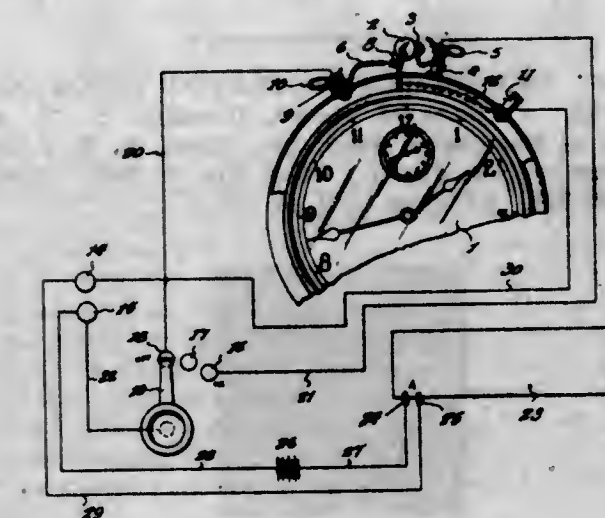
1. In a ventilator a frame, a plurality of radially disposed vanes hingedly mounted on the frame for movement towards and away from the latter, a manually operable ring encircling the vanes and having operative connection therewith whereby upon rotation of the ring the vanes will be simultaneously adjusted about their axes, oppositely extending flexible operating elements attached to the ring, and guides attached to the frame through which the flexible elements pass.

1,735,761. AUTOMATIC SWITCH. JAMES E. HUNT, Wilmington, N. C. Filed Mar. 31, 1927. Serial No. 179,910. 1 Claim. (Cl. 192-129.)



In a device of the class described, an electric motor, an endless belt drive operatively connected to said motor, a control switch for said motor, a lever pivotally supported at one end adjacent said endless belt, an idler carried by said lever at its other end and normally engaged with said endless belt in a manner that the lever is tensioned thereby in a position of readiness to operate an arm extending in angular relation from the pivoted end of said lever, and a normally tensioned contractile member connecting said arm in a manner to oppose the tensioning effect of the endless belt on said lever and adapted to swing the latter on its pivot and thereby cause it to strike said control switch to stop said motor when an accidental stoppage of the belt occurs.

1,735,762. TIMING MECHANISM. HARRY HUTHMACHNER, Irvington, N. J. Filed Dec. 30, 1927. Serial No. 243,684. 3 Claims. (Cl. 200-35.)

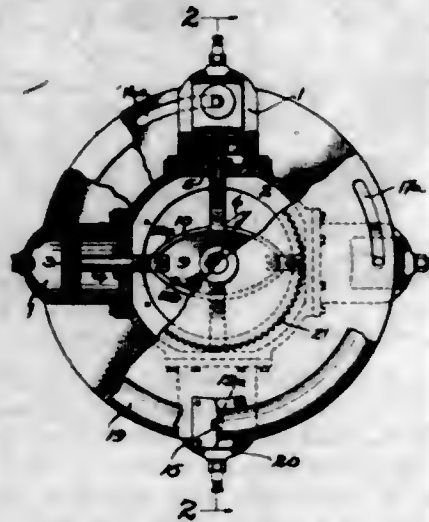


1. A timing mechanism for making and breaking a filament circuit, the same including an alarm clock having its hammer element forming a part of the circuit, contact elements at opposite sides of the hammer element and forming parts of the circuit, a switch for setting the circuit to start or stop the mechanism controlled thereby, and stop means to engage the hammer element when moved from one of the said contact elements to the other and holding it in the engaged position.

1,735,763. CATALYTIC OXIDATION OF ORGANIC COMPOUNDS. ALPHONSE O. JASOM, Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 8, 1927. Serial No. 211,638. 23 Claims. (Cl. 260—13.6.)

1. A method of oxidizing organic compounds, which comprises subjecting them to reaction with an oxidizing agent in the presence of a catalyst which contains a non-silicious base exchange body.

1,735,764. INTERNAL-COMBUSTION ENGINE. NOLAN M. JOHNSON, Detroit, Mich. Filed Dec. 17, 1927. Serial No. 240,712. 2 Claims. (Cl. 123—55.)



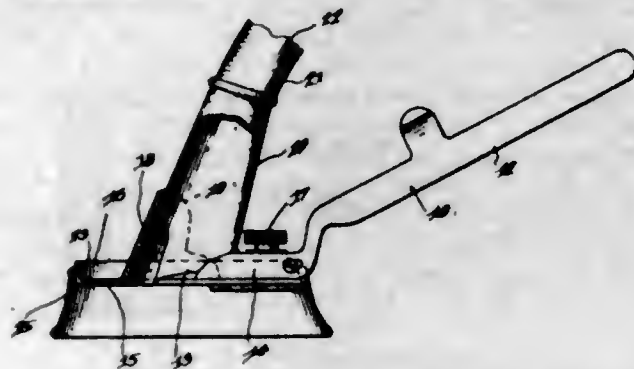
1. In an internal combustion engine, the combination of a plurality of cylinders substantially radially arranged, an inner casing to which the inner ends of the cylinders are secured, pistons in said cylinders, piston rods on said pistons projecting through the sides of said casing, a shaft extending through said casing at right angles to said piston rods, a cam on said shaft within said casing adapted to be rotated by the movement of said pistons, said cylinders having inlet and exhaust ports in their opposite sides, intake and exhaust manifolds respectively at opposite sides of said cylinders, and valve plates on said shaft one adapted to control communication between the intake manifold and said inlet ports and the other adapted to control communication between the exhaust manifold and said exhaust ports.

1,735,765. PROCESS FOR DECORATING FLOOR COVERINGS. CHARLES O. KAMPF, Brooklyn, N. Y., assignor to Mannington Mills, Inc., Salem, N. J., a Corporation of New Jersey. Filed Nov. 2, 1927. Serial No. 230,601. 4 Claims. (Cl. 41—26.)



2. The art of decorating printed floor coverings with checkerboard designs, which will have the appearance of an inlaid pattern, which consists in arranging alternate rows of similarly toned squares in one direction across the covering, and in arranging contiguous squares of similar tone in directions at diagonals with the alignment of the alternate rows, and filling in the spaces not covered by the alternate rows with the shaded areas of different tone, said areas being completely outlined in a shade similar to that of the first mentioned shaded squares.

1,735,766. HAIR CLIPPER. JACOB KAUTZ, Chicago, Ill. Filed Sept. 2, 1927. Serial No. 217,182. 2 Claims. (Cl. 30—1.)



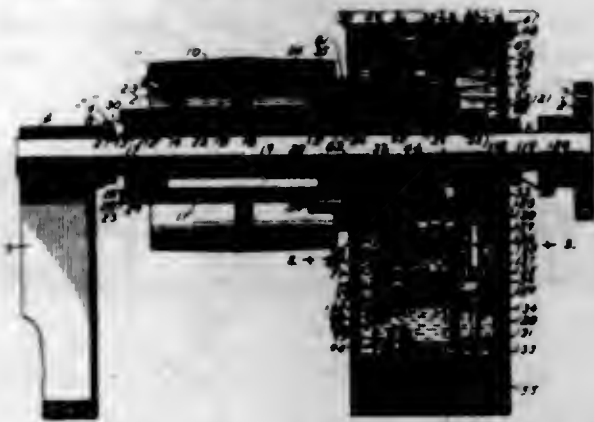
1. In combination with a hair clipper, a plate secured to the head of said clipper having a peripheral flange extending upwardly therefrom, said plate having an opening therein and having a neck portion around said opening, a skirt having a peripheral edge providing a bead, said flange having a recess therein in which said bead may be fitted to connect said skirt to said plate whereby said skirt will depend therefrom, and suction means connected to the neck portion extending upwardly around said opening.

1,735,767. DRIVE FOR ROLLER TABLES IN ROLLING MILLS. ALBERT T. KELLER, Bethlehem, and RICHARD H. STEVENS, Johnstown, Pa., assignors to Bethlehem Steel Company. Filed Mar. 31, 1927. Serial No. 179,781. 2 Claims. (Cl. 198—127.)



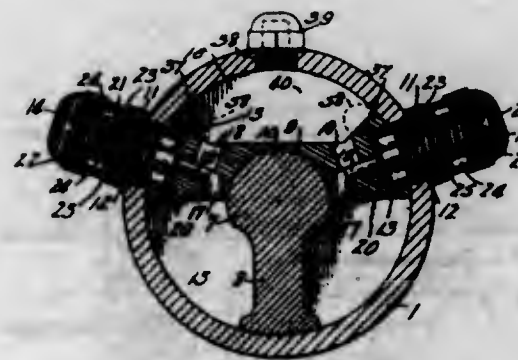
1. A feed mechanism for a rolling mill, comprising a plurality of rollers arranged in a substantially straight line from the rolls, independent driven shafts entrained with each group of rollers adapted to be independently adjusted to compensate for wear of the rollers, and a power shaft geared to said drive shafts to drive them in unison.

1,735,768. SPEED TRANSFORMER. GEORGE KRELL and GUY M. MARTINET, Sapulpa, Okla.; said Martinet assignor to said Krell. Filed June 11, 1928. Serial No. 284,402. 4 Claims. (Cl. 74—34.)



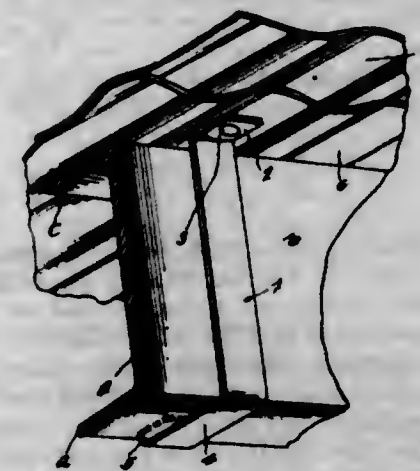
1. In a speed transformer, a driving shaft, a planetary gear carrier fixed to the shaft, a sun gear loosely mounted on the shaft, a planetary gear carried by the gear carrier and meshing with the sun gear, a driven member, a driving gear, means operatively connecting the driving gear with the driven member, an orbit gear on the driving gear, and means actuated by the sun gear for regulating speed of the orbit gear to vary speed of the driven member.

1,735,769. STABILIZER. ADOLPH W. F. MANZEL, Buffalo, N. Y., assignor to Manzel Brothers Co., Buffalo, N. Y. Filed Feb. 27, 1928. Serial No. 257,293. 21 Claims. (Cl. 188—89.)



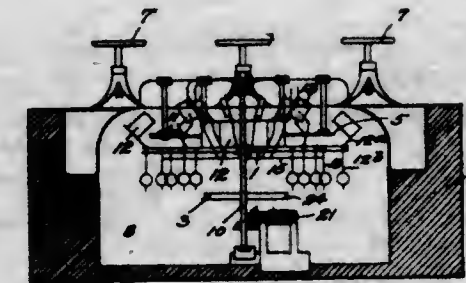
1. A stabilizer for controlling relative movement of two parts, comprising a casing having a partition dividing the same into two compartments, a member extending into said casing and having a wing movable to and fro in one of said compartments for propelling a fluid in that compartment first in one direction and then the other, a plurality of conduits, each having a one-way valve, connecting said compartments at opposite sides of said wing, whereby upon movement of said wing in either direction a fluid may pass through one of said conduits to the space behind said wing, additional conduits connecting said compartments at opposite sides of said wing, and each having a control valve, whereby a fluid displaced by said wing when the latter moves in either direction may pass into the other of said compartments, and then return to the rear side of said wing, each of said control valves being selectively adjustable independently of one another and yieldingly urged towards closed position, and means to limit movements of said control valves in a closing direction to a partially open position, whereby the fluid resistance to movement of said wing in either direction may be regulated and varied independently of resistance to movement in the opposite direction.

1,735,770. SECURING DEVICE. EDMUND MARLIERE, La Salle, Ill. Filed Aug. 11, 1926. Serial No. 128,664. 5 Claims. (Cl. 189—35.)



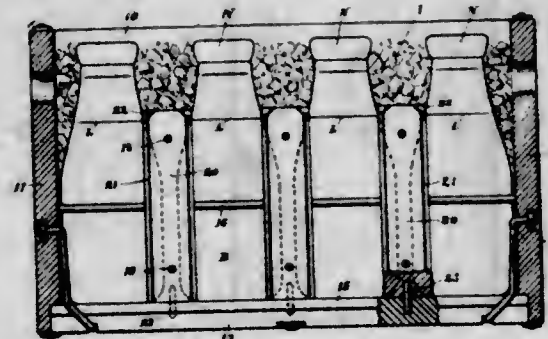
1. In a fastener of the character stated, a body provided at one end with a hook shaped element adapted for engagement over a flange of a supporting member, said body being provided at its other end with a right angularly extending head disposed oppositely to the hook member, and a rivet carried by and permanently associated with the head and projecting at right angles thereto.

1,735,771. BOOT CLEANING AND POLISHING MACHINE. NICOLAS MARTINEZ, Lerida, Spain. Filed June 6, 1923, Serial No. 643,713, and in Spain June 12, 1922. 4 Claims. (Cl. 15—30.)



1. A boot cleaning apparatus including a mechanism pit open at the top, a plurality of seats for patrons positioned about the upper open edge of the pit, a skeleton framework carried by the upper edge of the pit, a foot support suspended from said skeleton framework in the open central portion of the pit, said foot support being a ring like member provided with openings and having foot rests thereon opposite each patron's seat, a vertical shaft having its lower end journaled in the bottom of the pit and its upper end journaled in the skeleton framework, a brush carrying frame carried by said shaft beneath said foot support, an upstanding drum mounted centrally of the brush support and projecting within and above said ring like foot support, counterbalanced brushes carried by said brush frame and by said drum and adapted to be brought into operative position by centrifugal force when the frame is rotated, and means for rotating said shaft.

1,735,772. BOTTLE CRATE. JOHN F. MAURER, Jr., Woodcliff, N. J. Filed Mar. 14, 1928. Serial No. 261,540. 5 Claims. (Cl. 217—19.)

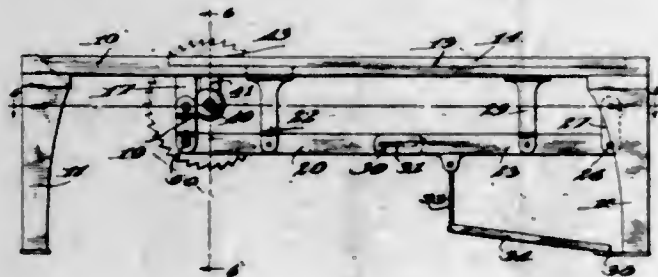


2. A milk bottle crate including end and side walls, a bottom wall composed of transversely spaced slats spaced apart a distance slightly greater than the diameter of the bottle necks and spaced apart a distance slightly less than the diameter of the bottle bottoms, longitudinal and transverse brace rods carried by the side and end walls of the crate, certain of the longitudinal brace rods being disposed centrally between adjacent slats and in a plane below the upper surface of the slats whereby the bottoms of the bottles are supported above and out of contact with said brace rods and whereby the bottles when inverted will be supported from the said brace rods by their neck ends.

1,735,773. SAW TABLE. WILLIAM P. MCILVANE, Yakima, Wash. Filed Jan. 10, 1929. Serial No. 331,512. 3 Claims. (Cl. 143—168.)

1. A saw table comprising a main table top, an auxiliary top mounted on the main top and having a plurality of slots extending lengthwise of the auxiliary top, a gauge bar located within each slot, a lug projecting downwardly from each end of a bar, a pair of levers pivoted intermediate the ends thereof, and disposed adjacent each bar,

the inner ends of the levers being lined and pivotally connected together, a link connecting the outer end of each lever with a depending lug, means connected with

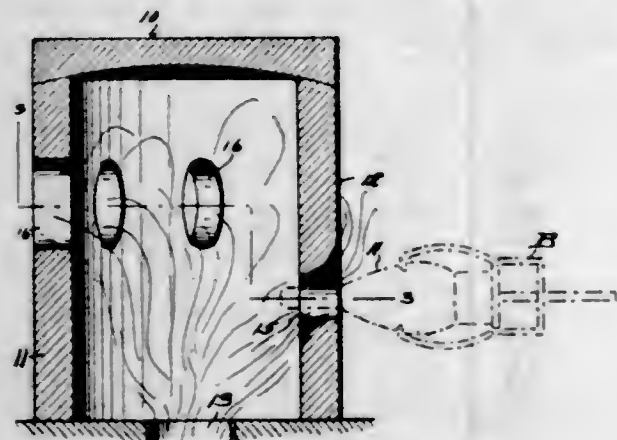


a lever adjacent the inner end thereof adapted to be actuated for moving the inner pivoted ends of said levers downwardly while elevating the outer ends of said levers and likewise the gauge bar above the top of the table.

1,735,774. CLEANING COMPOSITION. MARIE McLEAN, Los Angeles, Calif. Filed Feb. 20, 1928. Serial No. 255,858. 1 Claim. (Cl. 87-5.)

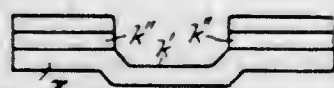
A cleaning composition consisting of 20 1/4 lbs. nonacid soap, 6 oz. ammonia, 6 oz. glycerine, 6 oz. oil of sassafras, 9 oz. potassium tartrate, 48 quarts of water, 3 lbs. of borax.

1,735,775. GLORY-HOLE FURNACE. MELVIN ELIAS McSWAIN, Fort Smith, Ark. Filed Dec. 20, 1928. Serial No. 327,293. 7 Claims. (Cl. 49-57.)



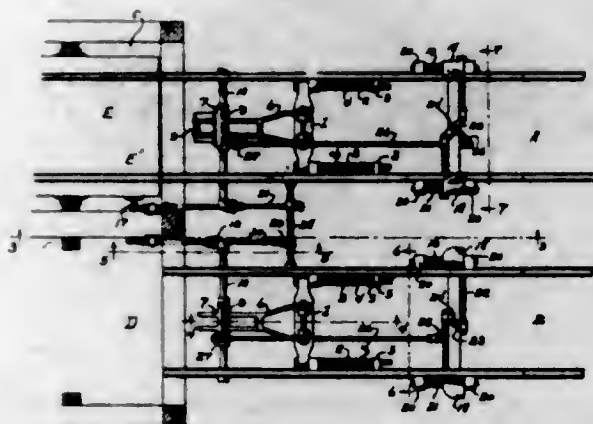
6. A glass furnace having a vertical wall formed with a finishing hole, the upper wall of the hole extending generally upward and outward with reference to the plane of said wall from the inner face of the wall to the outer face thereof.

1,735,776. METHOD OF PRODUCING CLAMPING PLATES. OSCAR MELAUN, Lanke, near Berlin, Germany. Filed July 19, 1926, Serial No. 123,473, and in Germany July 22, 1925. 3 Claims. (Cl. 29-155.)



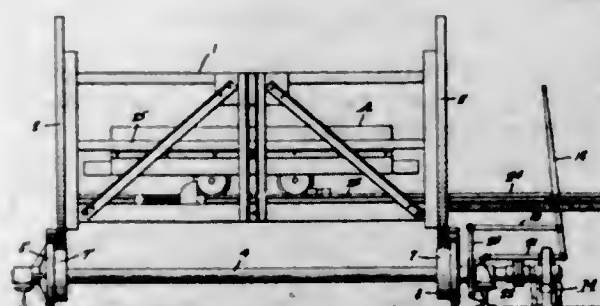
1. A method of producing clamping plates for girder constructions and the like, consisting in forming a groove in the middle part of a metallic blank, depressing this part over a certain width and depth, and forming lateral length slots in the end parts of said blank.

1,735,777. CAR CAGER. GLENN W. MERRITT, Bowerston, Ohio, assignor to Mining Safety Device Company, Bowerston, Ohio. Filed Aug. 3, 1928. Serial No. 297,140. 12 Claims. (Cl. 104-253.)



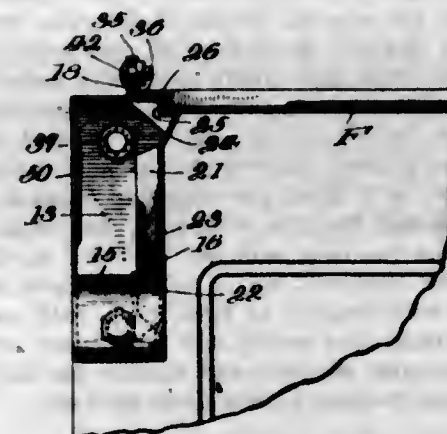
1. A car feeder of the class described comprising a movable supporting member, spring means for resisting the movement of said member, a bumper frame pivotally connected with the supporting member and having a bumper stop adjacent its free end and said free end having a slot therein, a rock shaft, a crank thereon engaging the slot and means for rocking the shaft to cause the crank to lower the bumper frame.

1,735,778. ROTARY CAR DUMP. GLENN W. MERRITT, Bowerston, Ohio, assignor to Mining Safety Device Company, Bowerston, Ohio. Filed Dec. 15, 1928. Serial No. 326,228. 2 Claims. (Cl. 214-52.)



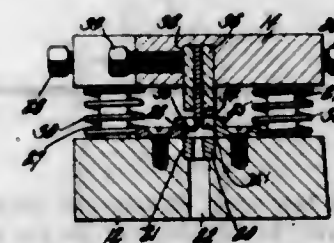
1. An apparatus of the class described comprising a car supporting structure having rims at its ends, a pair of shafts arranged under the structure, one on each side of the center thereof, a pair of wheels loosely arranged on one shaft and with which the rims engage, means for driving the other shaft, a pair of wheels fastened to this shaft and engaging the rims, each rim having a recess therein, a shoe fastened to each rim adjacent the recess, a pair of idler wheels on the drive shaft and engaging the shoes for holding the rims out of engagement with the wheels fastened to the drive shaft, clutch means for connecting one of the idler wheels with one of the fast wheels whereby the engagement of the idler wheels with the shoe will give the structure an initial movement to cause its rims to engage the fast wheels, stop means for engaging one of the shoes to hold the structure with the recesses in the rims over the drive wheels and means operated by the clutch actuated means for moving the stop means to inoperative position.

1,735,779. GAS RANGE. HENRY MORCKE, Jr., Flossmoor, and THEODORE THOMPSON, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 3, 1928. Serial No. 323,460. 16 Claims. (Cl. 126-39.)



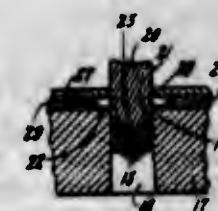
1. An assembly for ranges or the like comprising a shelf bracket and a splash back, said bracket composed of two pieces, one of said bracket pieces rigidly attached to the range, and the other of said bracket pieces retained in position through interlocking connection with the fixed bracket piece and the splash back.

1,735,780. PUNCHING ATTACHMENT FOR PRESSES. WILLIAM H. NICKERSON, Newton, Mass. Filed Dec. 14, 1927. Serial No. 239,897. 1 Claim. (Cl. 164-110.)



A punching attachment insertible as a unit between the bed and platen of a press, and comprising a base adapted for separable attachment to a press bed, and provided with female punch members and with means for guiding and positioning a work strip relative to said members, a head adapted to bear separably on a press platen and be projected thereby and provided with male punch members complementary to the female members, springs interposed between the base and head and normally holding the head retracted from the base, complementary stop members on the base and head, limiting the retraction of the head, the base and head being provided with complementary members for guiding the head, and auxiliary means for retracting the head, said means including a fulcrum member adapted to be secured to a press bed, a two-armed lever fulcrumed to said member, and a spring connected with one arm of the lever and with a fixed holder, and pressing the other arm against the head.

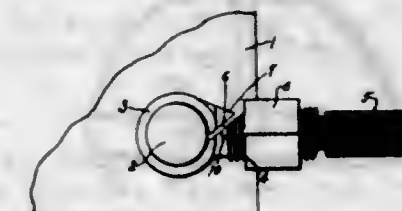
1,735,781. MEANS FOR FORMING SHANK STIFFENERS. WILLIAM H. NICKERSON, Newton, Mass. Filed Sept. 8, 1928. Serial No. 304,628. 3 Claims. (Cl. 113-42.5.)



1. Shank stiffener forming means comprising a male die and a female die, the female die having a flat top and

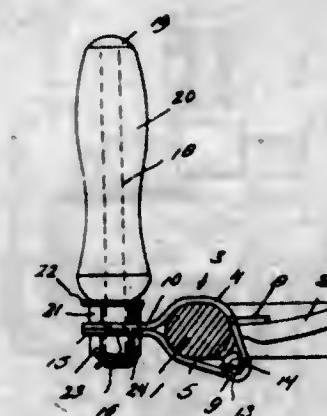
an opening surrounded by a continuous female cutting edge, the male die being formed to enter said opening and having a continuous male cutting edge adapted to cooperate with the female cutting edge in severing the margin of a stiffener from a work strip, and a molding rib surrounded by and projecting below the male cutting edge, the rib and male cutting edge being longitudinally curved, the arrangement being such that when the dies coact, a stiffener is severed from a work strip, curved and molded to a predetermined form and forced into the female die opening.

1,735,782. BATTERY CABLE CLAMP. OLIVER OLDHAM, Bedford, Ind., assignor of one-fourth to Charles Hartley, Bedford, Ind. Filed May 21, 1928. Serial No. 279,494. 1 Claim. (Cl. 173-259.)



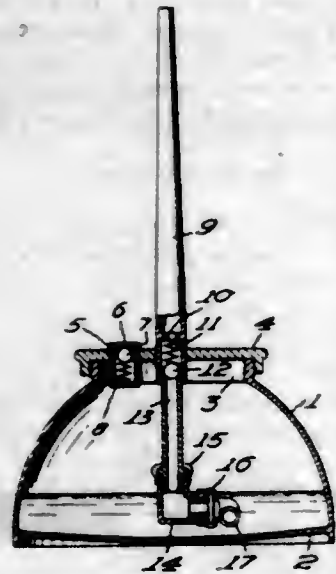
A battery connector comprising a round shank which is exteriorly threaded and which has a socket for the reception of a cable, said shank merging into a resilient ring and the shank and ring being slitted angularly to permit of the normal opening of the ring, a nut screwed on the shank and having an annular conical depression entering from one end and communicating with its bore to contact with the free end of the ring to compress the walls provided by the slit portion of the ring and shank against each other.

1,735,783. STEERING-WHEEL KNOB. PETER RANDOLPH OLIVER, Sr., Washington, D. C. Filed June 4, 1928. Serial No. 282,763. 4 Claims. (Cl. 74-83.)



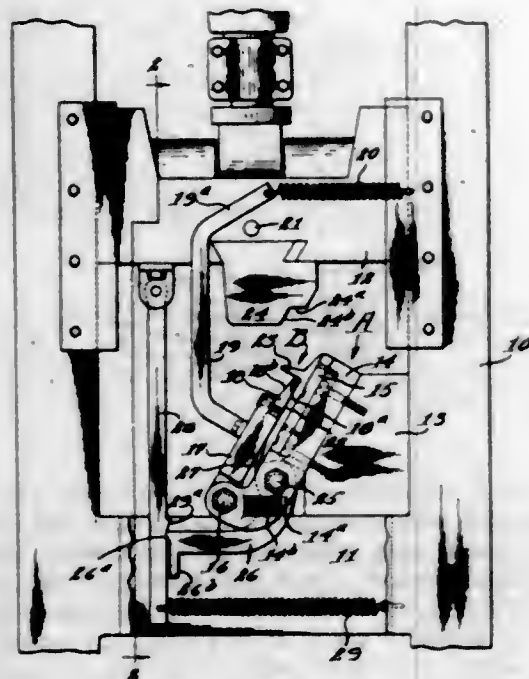
2. A knob attachment for vehicle steering wheels comprising a clamping unit adapted to embrace the rim of the steering wheel, said clamping unit including upper and lower complementary plate like sections, the inner end portion of one plate being bifurcated to provide legs that extend on opposite sides of the adjacent spoke of the steering wheel, the free ends of the legs being bent to form registering loops, a laterally disposed tongue formed on the inner end portion of the other plate, the free end of the tongue being formed to a loop for disposition between the aforementioned loop and communicating therewith, a pin extending through the registering loops to provide a hinged connection between the complementary plate sections at their inner ends, a vertically disposed spindle extending through the outer end portions of the plate, securing means for the outer end portions of the plate carried by the spindle, and a knob arranged on the upper portion of the spindle.

1,735,784. OIL CAN. NILS GUSTAV OLSON, Boston, Mass., assignor of one-half to Karl G. Heed, Chicago, Ill. Filed May 11, 1928. Serial No. 276,914. 3 Claims. (Cl. 221-48.)



1. In an oil can comprising a diaphragm bottom, a cap having a valved passageway, a spout comprising an outer section, an intermediate section and an innermost section, said innermost section being L-shaped, an L-shaped elbow pivotally connecting said innermost section to said intermediate section, and a ball valve yieldingly closing one end of said intermediate spout section.

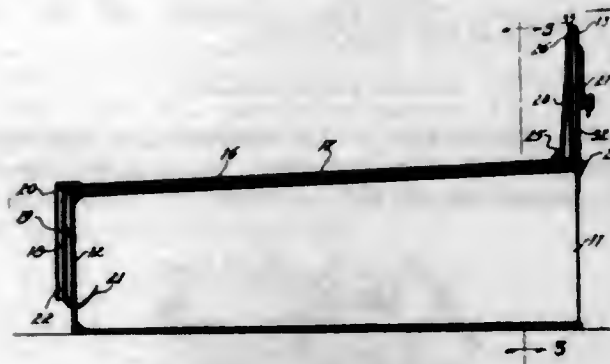
1,735,785. BENDING PRESS FOR TIE-PLATE FLANGES. MELVIN OVESTRUP, Stillwater, Minn., assignor of one-half to Twin City Forge & Foundry Company, Stillwater, Minn., a Corporation of Minnesota. Filed Apr. 29, 1925. Serial No. 26,670. 9 Claims. (Cl. 153-25.)



1. A press for bending into jaw forming relation the flanges of tie-plate sections of the type comprising a body plate having a perpendicular flange thereon, said press including a frame, an anvil structure thereon, a ram reciprocable vertically, said structure presenting a working surface inclined from the vertical, a mounting hinged at the lower side of the anvil structure, a jaw spacing die carried by said mounting, said die providing a jaw hanger for engagement beneath the flange of a tie-

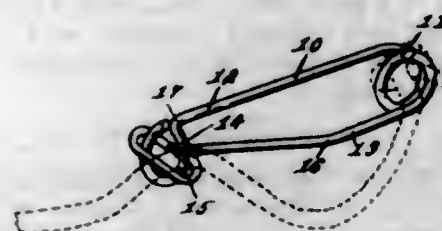
plate section placed with the body plate thereof between said anvil surface and die, an arm rising from said mounting, a spring acting upon said arm, to swing the die against the body plate of a tie-plate section and to clamp the same against the anvil, a projection on the ram, said arm having a cam-like portion adapted to be engaged by said projection on the upward stroke of the ram, whereby the arm is tilted against the action of said spring to swing the die away from said anvil surface, a bending punch on the ram, the same complementing the spacing die and adapted upon the descent of said ram to bend said flange over said die, a lever pivoted on the anvil structure, an ejector lug on said lever for engaging beneath the body plate of a formed tie-plate section, a bar hinged to and depending from the ram, said bar having a catch thereon, a spring acting upon said bar to hold said catch in ratcheting relation with respect to said lever, said catch being adapted to engage and swing said lever, upon the upward throw of the ram, whereby the ejector lug is caused to lift the formed tie-plate section from said die.

1,735,786. TRAP. SHERMAN S. PEARL, Stehekin, Wash. Filed Oct. 14, 1927. Serial No. 226,182. 4 Claims. (Cl. 43-61.)



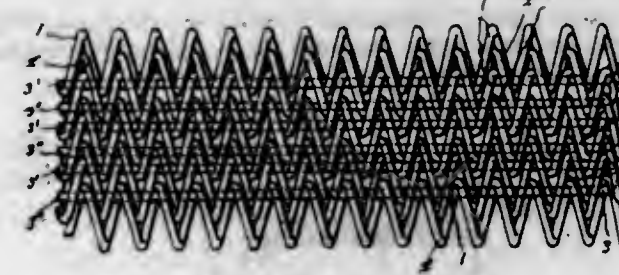
3. In a trap, a box open at one end and closed at the other, the open end having flanges on its side walls, one of which is provided with a notch, a door having channels in its sides receiving the flanges of the box, the channel receiving the flange with the notch having a cut out portion, means for holding the door elevated, a bait holder connected with said means, and means for locking the door closed, said means consisting of a spring member, mounted on the door and having one end extending over the flange of the box having the notch and engaging said notch when the door is closed.

1,735,787. PLOWLINE CLAMP. WILLIAM J. PETERSON, Thornton, Ark. Filed May 20, 1929. Serial No. 304,526. 1 Claim. (Cl. 24-131.)



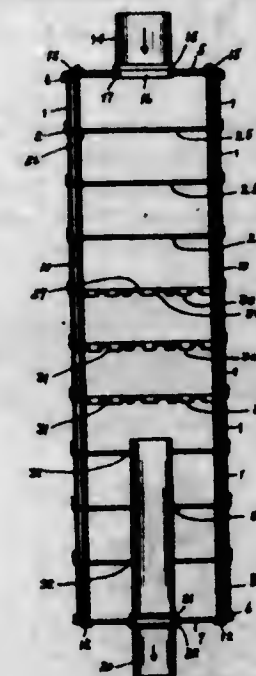
A line clamp comprising a flexible element bent upon itself at an appropriate point in the length thereof to provide a spring loop, arms carried by and extended from the ends of the loop being sprung apart in oppositely disposed relation, an elongated horizontally disposed loop formed upon the extremity of one of the arms, and a circular shaped loop right-angulantly disposed upon the end of the companion arm being projected within the eye of the horizontally disposed loop to facilitate accommodation of and lockingly retain a line passed therethrough against displacement.

1,735,788. WIRE FABRIC. EDWARD F. PINK, Cambridge, Md. Filed Mar. 15, 1928. Serial No. 261,868. 1 Claim. (Cl. 245-6.)



A wire fabric formed of wires twisted into spiral shape, some of the spirals being right-hand ones and others left-hand ones, the right-hand spirals being alternately arranged with respect to the left-hand spirals, and staple-shaped wires connecting the spirals together, one limb of each staple passing through the vertices of each pair of right-hand spirals, and the other limb of each staple passing through the vertices of each pair of left-hand spirals.

1,735,789. MUFFLER. HERBERT S. POWELL, Utica, N. Y. Filed Aug. 27, 1926. Serial No. 131,877. 5 Claims. (Cl. 137-160.)

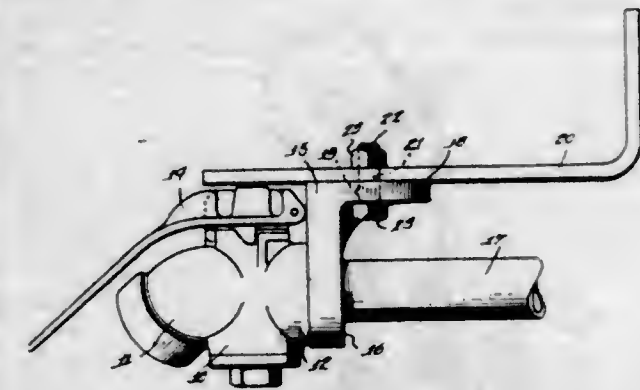


1. In a muffler for explosive engines built of a plurality of cups, a chamber for the expansion of the exhaust gases, said chamber being equipped with a plurality of cups having unperforated peripheral flat flanges forming central apertures for the passage of said gases, said flanges being disposed in alignment with each other, whereby the central apertures will provide a substantially unobstructed passage for said gases, and other cups equipped with a plurality of apertures, whereby to break up and segregate the exhaust gases, and means for causing part of said gases to rebound before reaching the atmosphere.

1,735,790. ANGLE COCK. BEST PRATT, Chicago, Ill. Filed Jan. 30, 1928. Serial No. 250,564. 3 Claims. (Cl. 251-91.)

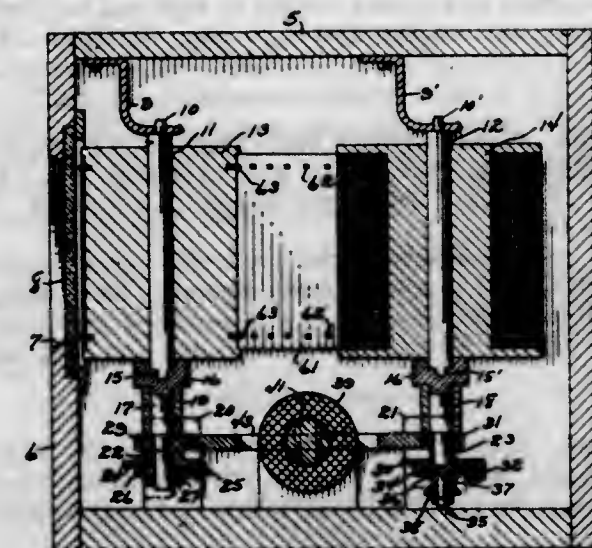
1. A device of the character described comprising a valve body containing valve mechanism, an angular

bracket carried thereby adjacent one end of said valve body, a support for the device, and means for connecting



said angular bracket to said support, said support having a portion extending over and protecting said valve mechanism.

1,735,791. STATION INDICATOR. GYULA PUSKÁS, Woodridge, Manitoba, Canada. Filed June 16, 1928. Serial No. 285,880. 4 Claims. (Cl. 40-56.)

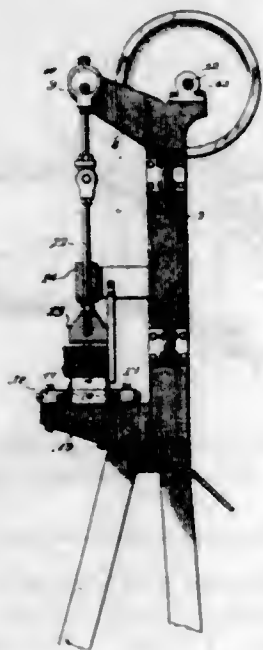


1. In a station indicator for vehicles, spools, a data bearing curtain having its ends wound on said spools, a combined guide and drive roller forward of each spool and over which the curtain is trained, shafts for the rollers and spools, a flanged toothed wheel freely journaled on each shaft, pivotally supported dogs on the flange of each toothed wheel, ratchet wheels fixed on the shafts of the rollers and engaged by the dogs, ratchet wheels freely journaled on the shafts of the spools and engaged by the dogs of the wheels thereon, springs on said shafts contacting with the ratchet wheels, stop elements on the shafts supporting the springs, toothed racks engaging the toothed wheels on the respective pairs of spools and rollers, and means for imparting a longitudinal movement to either of said racks.

1,735,792. WOOD TRIMMING OR EDGING MACHINE. JOHN C. RAMSEY, Suffolk, Va., assignor to Ramsey Package Corporation, Suffolk, Va., a Corporation of Virginia. Filed Oct. 18, 1927. Serial No. 226,948. 2 Claims. (Cl. 144-197.)

1. In a stave trimming machine, a pair of parallel uprights, horizontally aligned extensions projecting therefrom, a pair of spaced knives supported from the extensions upon which a plurality of staves is adapted to be superimposed, forwardly projecting arms carried by the standards above the knives, vertically disposed gage bars depending from the arms and extending to a point to one

side of one of the knives and against which the staves are adapted to be placed whereby they will be correctly positioned on the knives, tubular guides carried by the arms

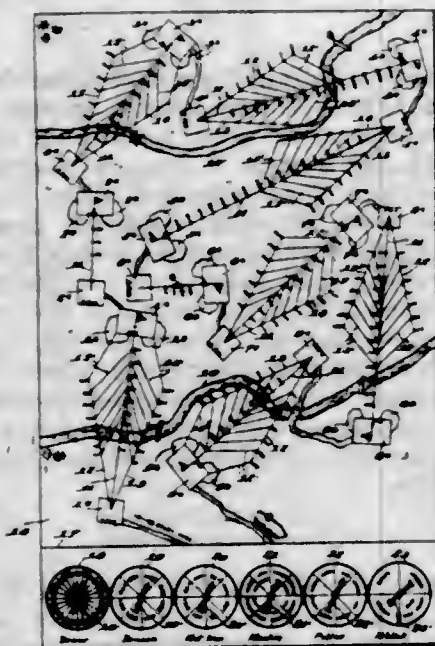


directly above the knives, a reciprocable rod movable in each guide, and a head carried by each rod for pressing the staves against the knives to trim the edges of the latter.

1,735,793. COMPOSITION FOR COATING BRICK, TILE, OR CEMENT. DONALD C. REED, Dunedin, Fla. Filed Feb. 11, 1928. Serial No. 233,786. 3 Claims. (Cl. 134-46.)

3. A color composition for brick, tile, etc., consisting of a mixture of powdered color, hydrated lime, finely divided iron, Portland cement, and a vehicle consisting of 50% of cement water-proofing compound and 50% water.

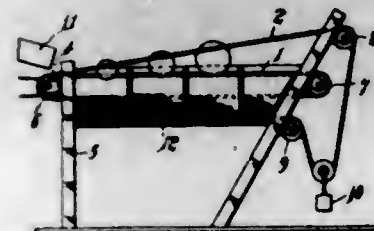
1,735,794. GAME APPARATUS. HERBERT H. RISTOW, La Crosse, Wis. Filed Feb. 14, 1928. Serial No. 254,227. Renewed Sept. 17, 1929. 5 Claims. (Cl. 273-87.)



1. In a game apparatus, a body having a simulated golf course on the upper surface thereof and having certain of the teeing grounds and their associated putting greens connected by a plurality of direction lines having a plurality of marks spaced along the same designated for different lengths of drive of a ball in play, the marks on the outer of the said lines being connected by other direction lines converging toward and connecting certain of the

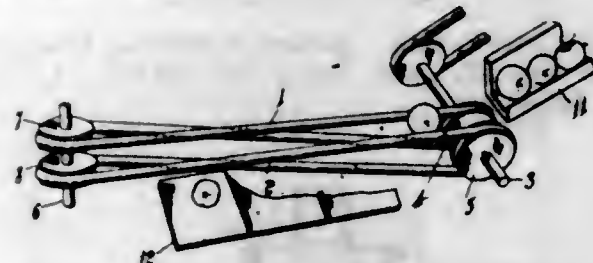
marks of a greater length of drive on the intermediate of the same lines, and chance-controlled devices for determining the character and distance of each simulated drive of the ball.

1,735,795. FRUIT GRADER. PERCY A. ROBBINS, Highland Park, Ill. Filed Dec. 10, 1928. Serial No. 325,052. 9 Claims. (Cl. 209-102.)



1. A grader including a way having two sides arranged in a warped plane which is approximately horizontal at the feed end of the grader and twists gradually towards a vertical position along the length of the way.

1,735,796. GRADER. PERCY A. ROBBINS, Highland Park, Ill. Filed Dec. 10, 1928. Serial No. 325,053. 6 Claims. (Cl. 209-114.)



1. A grader including a way having two lines of contact with the article to be graded, the lines of contact being gradually twisted transversely to the length of the way to bring the lines of contact from a substantially horizontal plane towards a vertical plane to cause the article to roll off the way.

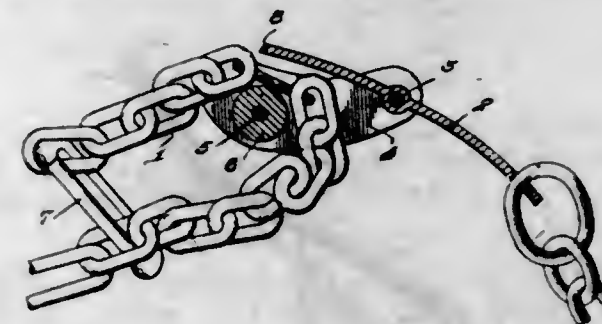
1,735,797. MARINE SIGNAL LIGHT. LOUIS T. SCOTT, Seattle, Wash. Filed June 18, 1927. Serial No. 199,762. 7 Claims. (Cl. 240-10.5.)



1. A marine spar buoy signal light assembly comprising a tubular water proof battery casing having lashing hooks externally thereof adjacent its opposite ends and an electric cable packing gland therein, a battery unit housed therein, a tubular water proof light holder casing separate therefrom having a light socket in its upper end and lashing hooks externally thereof, an electric light

bulb in said socket, an enclosing annular prismatic lens affixed to the casing, a packing gland in the lower end of said tubular light casing, and a flexible water proof electric cable interposed between the battery and light casings with its ends extending through their said packing glands and electrically connected with the battery terminals and light socket terminals, respectively.

1,735,798. CHAIN-FASTENER. DOUGLAS W. SIGSWORTH, Edmonton, Alberta, Canada. Filed Dec. 15, 1928. Serial No. 326,287. 2 Claims. (Cl. 59-93.)



1. The combination with an anti-skid chain for automobiles, of a dog loosely connected to one of the end links of a chain, spaced plates between which the dog is centrally pivoted, a roller journaled between the plates and spaced from the pivot of the dog to provide a passage for the snap end of the chain, as and for the purpose set forth.

1,735,799. SAFETY CLUTCH. JOHN HOLMAN SMITH, Luling, Tex. Filed May 9, 1927. Serial No. 190,108. 2 Claims. (Cl. 192-150.)

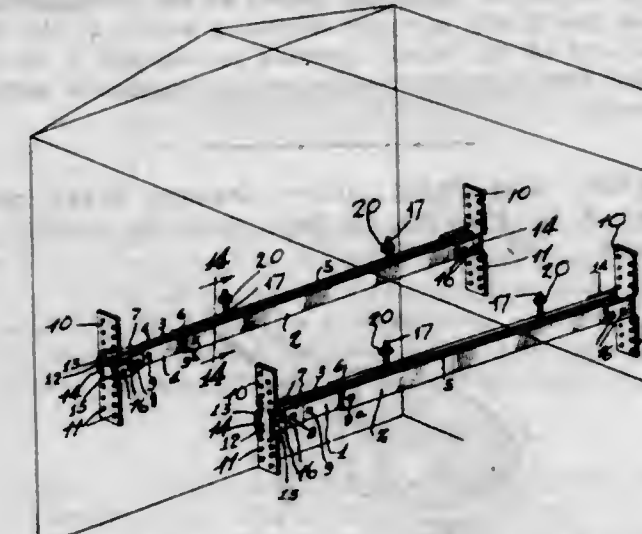


1. In a clutch, a drive shaft, a driven shaft, a drum secured to one of the shafts, spaced aligned relatively movable shaft sections, means securing one of the shaft sections to the other shaft, a spring influenced band surrounding and normally engaged with the drum, arms fast upon and extending from one of the relatively movable shaft sections, means connecting said arms and band to actuate and support the latter in disengaged position, actuating levers connected with the arms, a cam slidable upon one of the relatively movable shaft sections for engagement by the arms to control the band, movable means connecting the relatively movable shaft sections, means controlled by the load upon the driven shaft to operate the shaft section connecting means, and means located in the path of movement of said shaft section connecting means and connected with the cam to actuate the latter.

1,735,800. DECKING APPARATUS FOR AUTOMOBILE BODIES. CLIFFORD L. SNYDER, Detroit, Mich., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich., a Corporation of Delaware. Filed Aug. 21, 1928. Serial No. 300,993. 17 Claims. (Cl. 105-368.)

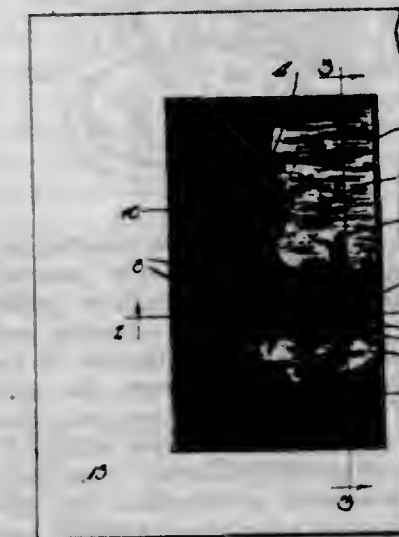
1. The method of loading automobile bodies in freight cars consisting of securing a plurality of supporting sec-

tional members of substantially the same length transversely of the freight car in a manner to permit relative longitudinal movement of the sections for substantially their entire lengths and anchoring an automobile to one of the sections above the other section without disturbing the free movement between the sections.



2. The method of loading automobile bodies in freight cars and the like in line with the doors thereof comprising removably securing bars to said car across the door openings, securing a plurality of supporting sectional members of substantially the same length transversely of the car on the bars in a manner to permit relative longitudinal movement of the sections for substantially their entire lengths and anchoring an automobile to one of the sections above the other section without disturbing the free movement between the sections.

1,735,801. LANDSCAPE. NELLIE SPEIRS, Sarasota, Fla. Filed May 11, 1928. Serial No. 276,920. 4 Claims. (Cl. 41-34.)



1. A device of the class described comprising a mat having a scene thereon, and sponge in thin sheet-like form secured upon the face of said mat to represent the natural growth of the scene, said sponge being colored to represent color and physical characteristics of the growth.

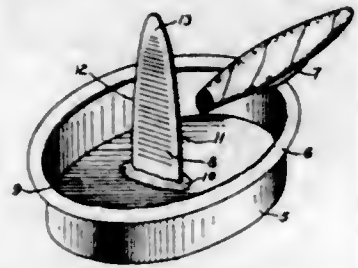
1,735,802. BRUSH. ROCCO STATUTO, Brooklyn, N. Y. Filed Nov. 15, 1928. Serial No. 319,544. 1 Claim. (Cl. 15-176.)



A brush including a handle section having an open head portion the opening therethrough having walls de-

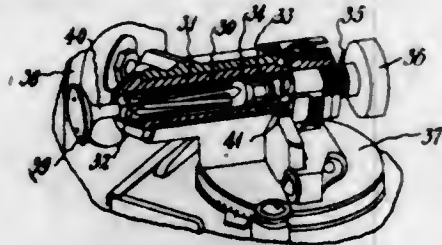
fining a shoulder and a recess diverging from said shoulder, a bristle supporting section conforming substantially to the size and shape of the recess and adapted to seat against the shoulder and means providing a detachable connection therebetween comprising a transverse pin across one end of the opening of the head portion of the handle section, a transverse groove at the corresponding end of the bristle carrying section, a socket at the opposite end of the bristle carrying section and a spring pressed detent on the handle section engageable within the socket.

1,735,803. ASH TRAY. HARRY ABRAHAM STERN, New York, N. Y. Filed Jan. 13, 1928. Serial No. 246,463. 3 Claims. (Cl. 131-51.)



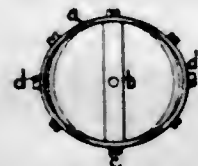
1. A device of the class described comprising a shallow tray, a removable receptacle for said tray, said receptacle having opposed grooves, and a separable plate having a single flat upright blade seated in said grooves.

1,735,804. COLLET. BYRON F. STOWELL, Springfield, Mass., assignor to Van Norman Machine Tool Company, Springfield, Mass., a Corporation of Massachusetts. Filed May 18, 1929. Serial No. 364,128. 6 Claims. (Cl. 279-56.)



6. A chucking device of the type adapted for use with oppositely movable sockets of generally conical internal form and comprising a tubular member having slots extending alternately from opposite ends of the member nearly the entire length thereof to provide end segments joined by connecting bars, the outer socket-engaging face of each of said end segments being formed with a plurality of surface portions of different curvature characteristics, one of such portions contacting with the socket when the member is expanded and another contacting with the socket when the member is contracted.

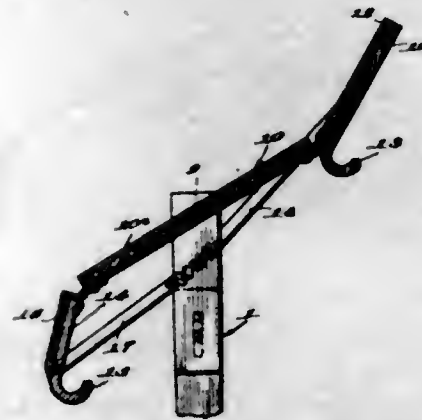
1,735,805. PROCESS OF PRODUCING WATCH PARTS. REINHARD STRAUMANN, Waldenburg, Switzerland, assignor to the Firm Thommens Uhrenfabriken A. G., Waldenburg, Switzerland. Filed Sept. 20, 1928, Serial No. 307,285, and in Germany Apr. 20, 1928. 3 Claims. (Cl. 29-178.)



1. The process of producing a compensating balance wheel for watches, clocks, counters and the like, comprising the steps of orienting the crystalline structure of the

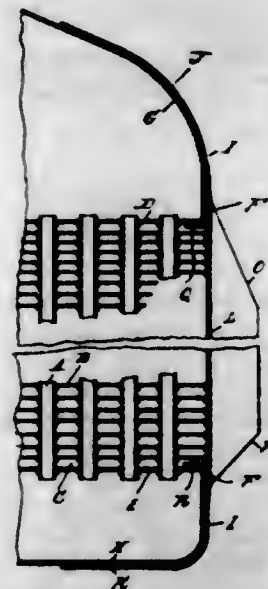
metal from which the wheel is formed, to such an extent that the balance wheel made therefrom deforms unequally along two crossings axes upon occurrence of temperature changes, forming a balance wheel from the treated metal, and utilizing the unequal deformations in the finished wheel due to temperature changes together with the adjustment of compensating masses to correct compensation errors.

1,735,806. SHIELD FOR COOK STOVES. JAMES FRANKLIN STUBBLE, Hutchinson, Kans. Filed Oct. 9, 1928. Serial No. 311,326. 7 Claims. (Cl. 126-299.)



1. A stove shield comprising attaching brackets, a transparent protector mounted for adjustment on said brackets and adapted to overlie the top of the stove, to protect the cook and yet expose to view the articles to be cooked, and means for holding said protector in adjusted position.

1,735,807. RADIATOR REINFORCEMENT. ARTHUR L. SWANK, Detroit, Mich., assignor to Long Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 15, 1924. Serial No. 737,792. 7 Claims. (Cl. 257-125.)

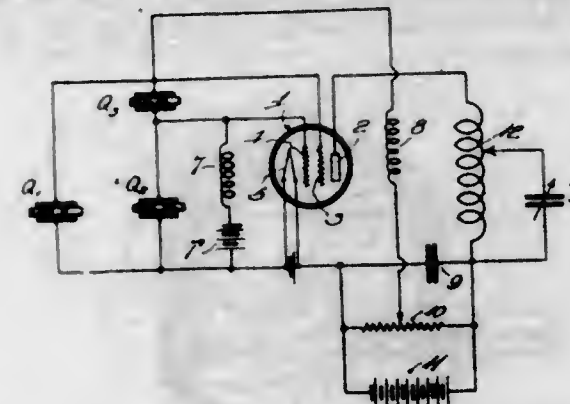


7. The combination with a radiator including upper and lower tanks, of a reinforcing member having portions embracing one of the said tanks and spacing the one tank from the other.

1,735,808. HIGH-FREQUENCY OSCILLATION GENERATOR. ALBERT H. TAYLOR, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 22, 1928. Serial No. 327,937. 5 Claims. (Cl. 250-36.)

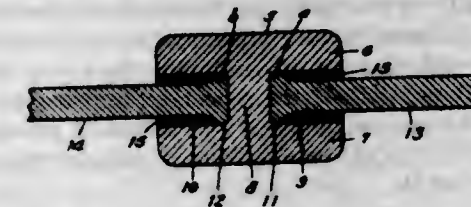
1. A high frequency oscillation generator comprising in combination, a thermionic discharge device having a

cathode electrode, a plurality of control electrodes and an anode electrode, input and output circuits connected with



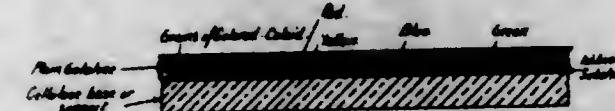
said electrodes and separate mechanically vibratile frequency control elements connected to each of said control electrodes and to said cathode electrode.

1,735,809. METHOD OF MAKING METALLIC CONNECTIONS. MARIO W. TERNICA, Rio de Janeiro, Brazil, assignor of one-half to McClintic-Marshall Company, Pittsburgh, Pa., a Corporation of Pennsylvania, and one-half to American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Sept. 21, 1927. Serial No. 220,941. 1 Claim. (Cl. 22-230.)



That method consisting in disposing an edge portion of a pipe section in a groove of a lock-bar in contact with the bottom of the groove and in spaced relation to portions of the sides of the groove, and in air-blasting metallic binder into said groove on opposite sides of said edge portion.

1,735,810. MULTICOLOR CINEMATOGRAPH AND OTHER FILM. JOHN EDWARD THORNTON, London, England, assignor to John Owden O'Brien, Manchester, England. Filed May 5, 1924, Serial No. 711,253, and in Great Britain May 18, 1923. 12 Claims. (Cl. 95-2.)

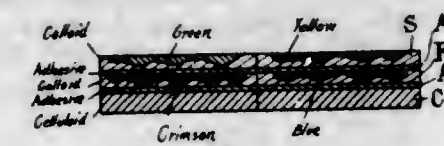


1. A multi-color picture-positive having two transparent supports and two component images of two-color interspersed mosaic character each forming a half-picture, one half-picture of two colors being formed upon one support and the other half-picture of two colors upon the other support, the two supports with their two half-pictures being superimposed and cemented together with their two half-pictures superimposed within one picture-area, forming a single multi-color picture in which the colors are represented by four image-analyses.

1,735,811. MULTICOLOR CINEMATOGRAPH AND OTHER FILM AND METHOD OF PRODUCING THE SAME. JOHN EDWARD THORNTON, London, England, assignor to John Owden O'Brien, Manchester, England. Original application filed May 5, 1924, Serial No. 711,251, and in Great Britain May 18, 1923. Divided and this application filed Oct. 3, 1925. Serial No. 60,346. 3 Claims. (Cl. 95-2.)

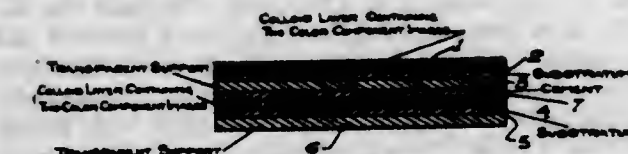
1. A four color picture positive cinematograph film comprising two half standard thickness supports cemented to-

gether face to face, a layer of colloid upon one support having partial images printed thereon in one color, a layer of adhesive upon said layer of colloid, a second layer of colloid upon the said layer of adhesive and having partial images printed thereon in a second color, a layer of sensitized colloid upon the second support having partial



images printed thereon in a third color, a layer of adhesive on the last-named layer of colloid, a second layer of colloid upon the last-named layer of adhesive and having partial images printed thereon in a fourth color, each of the partial images in the four layers of colloid representing those portions of the picture which appear in its respective color.

1,735,812. CINEMATOGRAPH FILM. JOHN EDWARD THORNTON, West Hampstead, England, assignor to John Owden O'Brien, Manchester, England. Original application filed May 5, 1924, Serial No. 711,251, and in Great Britain Nov. 17, 1924. Divided and this application filed Oct. 22, 1925. Serial No. 64,248. 1 Claim. (Cl. 88-16.4.)



A four-color cinematograph film comprising a transparent support of half standard thickness, a colloid layer carried by the support, a two-color screen formed in the colloid layer to carry images of the portions of the picture obtaining in the said two colors, a second colloid layer, a second differently colored two-color screen formed in the second colloid layer and to have the portions of the images obtaining in the said further two colors, a second transparent support of half standard thickness and by which the second colloid layer is carried, and a layer of cement by which the first colloid layer is indissolubly united to the bare back of the second transparent support, whereby the two thin films are cemented together with the image face of one thin film to the bare back of the second thin film, rendering it unnecessary to reverse the second set of images with relation to the first before superimposition.

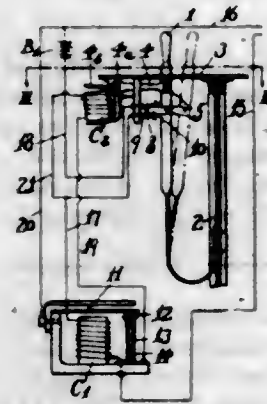
1,735,813. MULTICOLOR CINEMATOGRAPH AND OTHER FILM AND PROCESS OF MAKING SAME. JOHN EDWARD THORNTON, West Hampstead, London, England. Original application filed May 5, 1924, Serial No. 711,254, and in Great Britain May 18, 1923. Divided and this application filed Nov. 3, 1925. Serial No. 66,604. 2 Claims. (Cl. 95-2.)



1. A multi-color screen-mosaic picture-negative comprising a transparent support of double picture-area, a two-color mosaic filter-screen upon one area of the support and another two-color mosaic filter-screen upon another area of the support, the two-colors in one screen being different from the two colors in the other screen, the support bearing one component-image behind one screen and another component-image behind the other screen, each component-

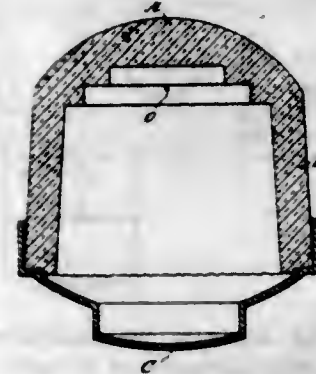
image being different from the other, one component-image and its filter-screen comprising one half-picture and the other component-image and its filter-screen comprising the other half-picture.

1,735,814. AUTOMATIC STOPPING SYSTEM OF POWER LOOMS. JITSUZO TONOU, Nagoya, Japan, assignor to Toyodashi Shokki Kabushiki-Kaisha, Nagoya, Japan, a Corporation of Japan. Filed Apr. 23, 1928, Serial No. 272,338, and in Japan Oct. 3, 1927. 4 Claims. (Cl. 139—353.)



1. In an automatic stopping system for power looms, the combination with the wire-heads which are pulled upwardly by the tensioning of the warp thread, and a rod arranged in juxtaposition to the beards, the said rod being in the path of downward movement of a dropped one of said beards, the head frame of the loom including a metallic rod spaced above the first mentioned rod whereby the metallic wire head, in dropped position, will bridge the two rods, a pair of contacts supported in spaced relation to each other, conductor rods extending upwardly from the head frame, contacts carried by the conductor rods and engageable with respective ones of the first mentioned contacts, one of said conductor rods being in circuit with the first mentioned rod, the rod of the head frame being in circuit with a metallic part of said frame constituting also an electrical conductor and the other one of the conductor rods being in circuit with said metallic parts, another pair of spaced contacts, an electro-magnet arranged in juxtaposition thereto, one of said contacts and one terminal of the winding of the magnet being in circuit with one of the first mentioned contacts and likewise with one of the last mentioned contacts, an electro-magnet having one terminal in circuit, with the other one of the second mentioned contacts, the said electro-magnet embodying an armature having means for bridging the second mentioned contacts when the electro-magnet is energized, a second electro-magnet in circuit with the other one of the second mentioned contacts and having an armature pivotally mounted and normally spaced therefrom, a switch including spaced terminals one of which is in circuit with the second mentioned electro-magnet, and one terminal of the magnet the other terminal of the first mentioned electro-magnet being in circuit with the said other terminal of the second mentioned magnet, a source of current supply in circuit with the other one of the bridge contacts and with the other one of the first mentioned contacts, an actuating spring-handle for stopping the motion of the loom, the said spring handle being provided with a conductor element for bridging the bridge contacts when the second mentioned electro-magnet is energized, operative connection between the armature of said magnet and the handle effecting the release of the arm and its movement through its resiliency upon energization of the second mentioned magnet, and another circuit including an electro-magnet, a source of current supply therefor, a switch comprising contacts corresponding to the second mentioned contacts and a bridging means therefor in common with the bridging means of the armature of the second mentioned electro-magnet, and means, actuated through the movement of the spring handle for stopping motion, to break all of said circuits.

1,735,815. REFLECTING OPTICAL UNIT. CLIFFORD L. ROY TRELEAVEN, Jackson Heights, N. Y., assignor to Ray-Signs Corporation, a Corporation of Delaware. Filed Nov. 20, 1928. Serial No. 320,589. 6 Claims. (Cl. 88—1.)



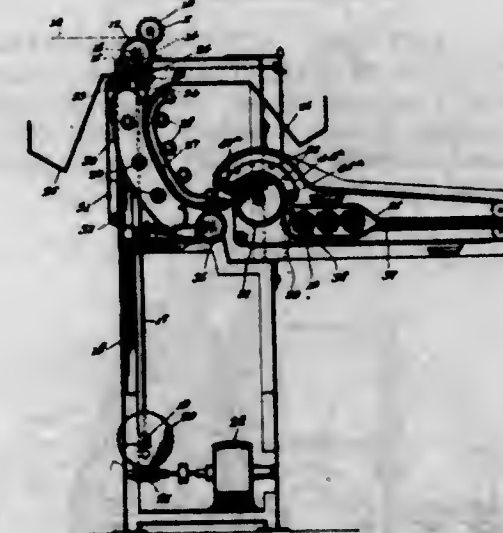
6. An optical unit of the reflecting type comprising a spherical collecting lens the rear face of which is zoned so as to provide a plurality of concentric lenticular zones all having substantially the same focus and thereby minimize spherical aberration, and a spherical concave reflecting mirror back of the lens and spaced therefrom with its vertex substantially in the focal point of the lens for axially incident light and with its center of curvature substantially at the point where the axis of the lens is intersected, really or virtually, by the chief or central ray of an obliquely incident bundle after it has traversed the lens once and is incident upon the reflector, said mirror having the peripheral portion of its reflecting surface of shorter radius than its central portion and disposed substantially in the focus of the lens for obliquely incident light which is collected upon it.

1,735,816. WATER-COOLED TUBE SOCKET. ARTHUR M. TROGNER, East Orange, N. J., and CORRIE F. RUDOLPH, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 21, 1928. Serial No. 327,709. 6 Claims. (Cl. 250—27.5.)



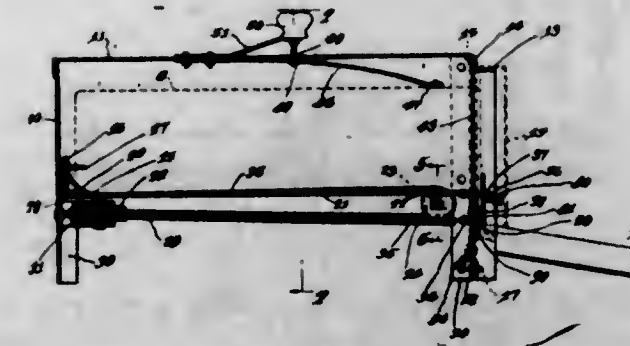
1. A mounting for a high power tube of the cylindrical anode type comprising a cooling jacket surrounding the tube, an annular seat formed in said jacket for supporting an annular flange on said tube, and a plurality of means disposed on opposite sides of said jacket for engaging the said annular flange for moving the tube from said annular seat or securing the tube into engagement with the seat at the will of the operator.

1,735,817. BLUE-PRINTING MACHINE. FREDERICK JAMES TRUMPOUR, Forest Glen, Md. Original application filed Jan. 10, 1927, Serial No. 160,250. Divided and this application filed Aug. 4, 1927. Serial No. 210,581. 3 Claims. (Cl. 95—75.)



1. A blue printing machine comprising an exposure station having an exposure glass and illuminating means on opposite sides of the exposure glass, a transparent pressure belt moving over said exposure glass, and feeding and assembly means for supplying between said belt and glass, superposed negatives upon opposite sides of the doubly sensitized blue print paper, said feeding and assembly means comprising means for marshalling the negatives upon opposite sides of the blue print paper, and pressure means for advancing the blue print paper to the negatives to the exposure station, said pressure means comprising a cylinder, and a feed belt having its adjacent run lapped partially about the periphery of said cylinder, and spacing means for holding the other run of the belt away from the cylinder.

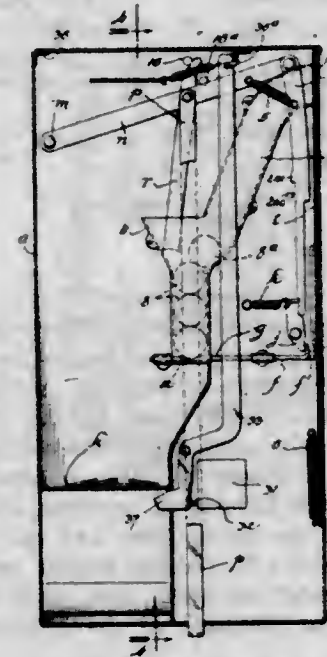
1,735,818. SLICING MACHINE. ROBERT ULBRECHT, Chicago, Ill. Filed Feb. 20, 1928. Serial No. 255,748. 3 Claims. (Cl. 146—137.)



1. In a device of the class described, a housing having an open end and an open upper side, a slide in said housing adapted to bear against an article introduced into said housing through said open upper side, a hinged lid for closing said upper side, a door for closing said open end adapted to be disposed when in open position to serve as a receiving member, spring means adapted to be connected to said slide whereby to urge said slide and the article carried thereby towards said open upper end, adjustable means for limiting said forward movement, cutting means including a knife adapted to be disposed in spaced relation to said adjustable limiting means whereby the portion of said article between said cutting means and said adjustable stop may be cut from said article, said stop including a portion adapted to be disposed below said knife whereby said stop may be retracted from limiting position, and means for holding said article against movement when said stop is retracted.

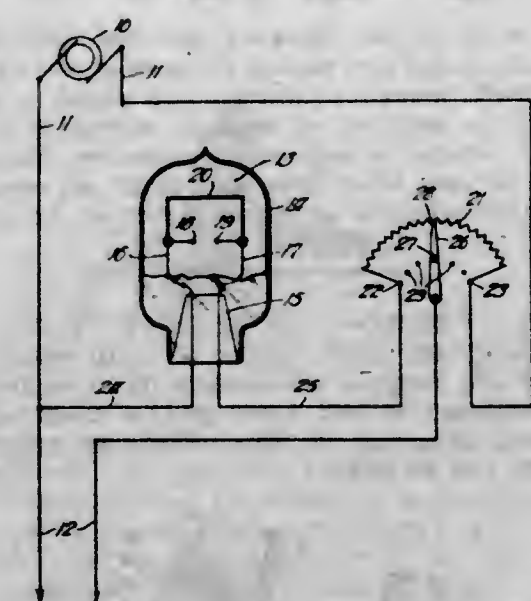
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1,735,819. NEWSPAPER-VENDING MACHINE. JOHN A. URBANEK, Detroit, Mich., assignor of one-half to Alex Leightman, Detroit, Mich. Filed July 11, 1925. Serial No. 42,865. 9 Claims. (Cl. 194—57.)



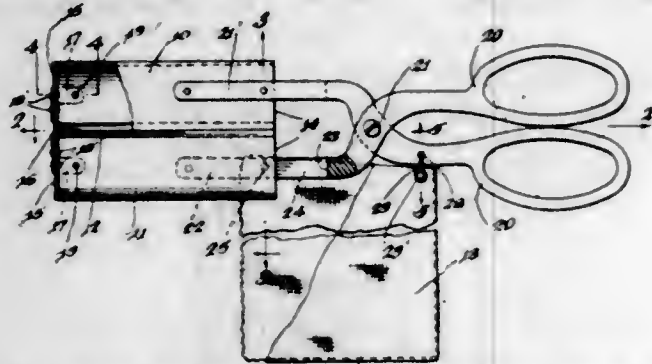
1. In a vending machine of the type designed for holding newspapers, or similar articles, and provided with means operable to permit vending or removal of an article, comprising in combination means for controlling the operation of said vending means and normally held in inoperative position, means for preventing movement of the controlling means while in such position, mechanism for moving said controlling means and which includes coin-controlled mechanism for throwing said means into operative position only when the correct amount of coins are used, said mechanism including means for holding said controlling means in such operating position during such movement.

1,735,820. STABILIZER. NEIL C. WARD, Chicago, Ill. Filed Feb. 20, 1928. Serial No. 255,809. 9 Claims. (Cl. 171—229.)



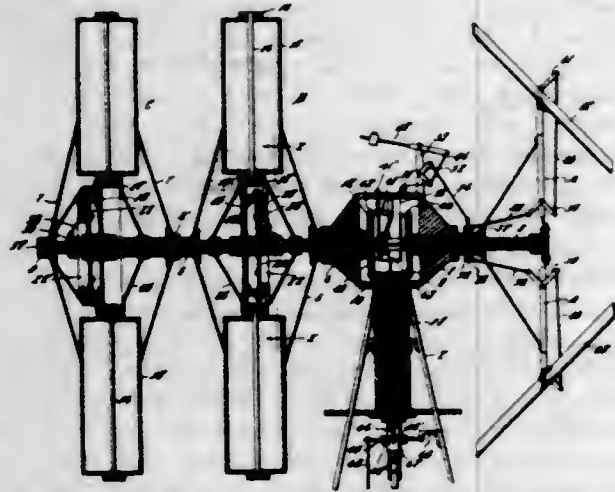
1. Means for stabilizing electrical potentials or the like comprising, a circuit including a resistance and a device having a negative resistance characteristic adapted for attachment to a source of current, and means whereby an output circuit may be electrically associated with said first aforesaid circuit in a manner to include a part of said resistance.

1,735,821. FRUIT CUTTER AND PICKER. HERMAN F. WENTZLOFF, Chicago, Ill. Filed Mar. 10, 1926. Serial No. 93,677. 5 Claims. (Cl. 56-333.)



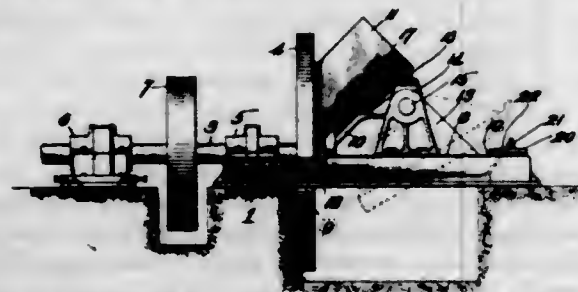
1. A device of the class described including cutter jaws having cooperating cutting edges, means for operating the cutter jaws including handle portions pivotally connected together for scissor action and having bifurcated end portions carrying the cutter jaws with the opened ends of the cutter jaws disposed in spaced relation with the bight portions of the bifurcated portions, and a receptacle carried by one of the cutter jaws and one of the handle portions in a position to receive matter passing through the opening provided between said ends of the cutter jaws and the bight portions of the bifurcated portions.

1,735,822. AIR MOTOR. LOUIS WERNICKE, West Bend, Wis. Filed Jan. 9, 1928. Serial No. 245,450. 10 Claims. (Cl. 170-39.)



1. A device of the character described comprising a main shaft, means for rotating the same, a pair of wheels on said shaft, means for revolving said wheels in opposite directions, a plurality of radially arranged cylinders rotatably mounted in each wheel, means for rotating the cylinders of one wheel from the shaft and means for rotating the cylinders of the second wheel by the first wheel.

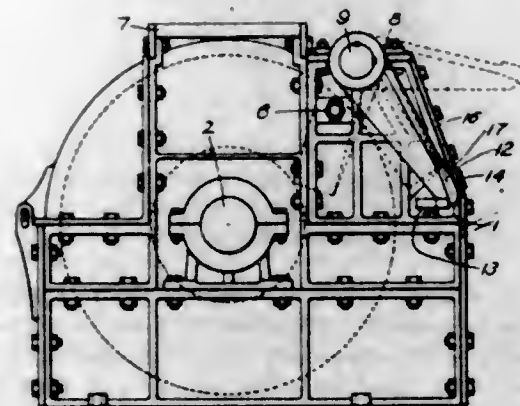
1,735,823. YIELDING ANVIL-KNIFE TABLE FOR MASTICATING HOGS. CHARLES A. HUFFMAN, Longview, Wash., assignor of one-half to The Long-Bell Lumber Company, Kansas City, Mo., a Corporation of Missouri. Filed May 14, 1928. Serial No. 277,469. 14 Claims. (Cl. 83-75.)



1. In a masticating or grinding hog, a rotating disk cutter, another cutter for cooperating with the face of

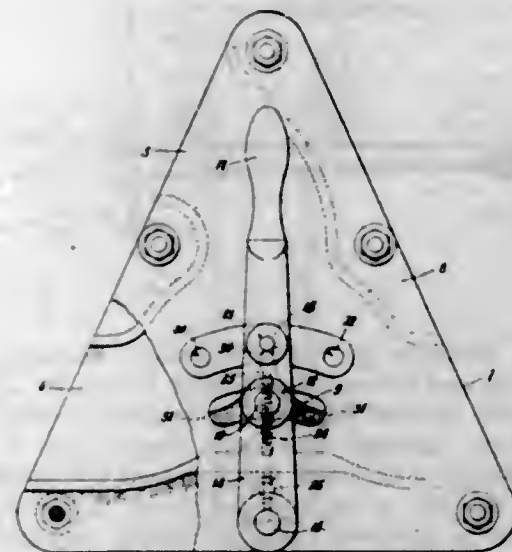
the rotating disk cutter, and means for holding the last-named cutter against movement away from the rotating cutter under normal conditions of operation, but adapted to permit such cutter to move out of cooperative relation with the rotating cutter.

1,735,824. YIELDING ANVIL-KNIFE DOOR FOR GRINDING OR MASTICATING HOGS. CHARLES A. HUFFMAN, Longview, Wash., assignor of one-half to The Long-Bell Lumber Company, Kansas City, Mo., a Corporation of Missouri. Filed June 4, 1928. Serial No. 282,667. 11 Claims. (Cl. 83-75.)



1. In a masticating or grinding hog, a rotating V-shaped cutter, a second cutter of V-shape intermeshing with said rotating cutter, a shaft carrying said second cutter, and means co-operating with said shaft to prevent movement of the second cutter away from the rotating cutter.

1,735,825. CAN GUIDE. WILLIAM JOHN KOCH, Midland Park, N. J., assignor to The Fred H. Knapp Corporation, Ridgewood, N. J., a Corporation of New Jersey. Filed Jan. 28, 1929. Serial No. 335,523. 3 Claims. (Cl. 193-31.)



1. In apparatus for guiding cans, the combination with a branched guideway of a cam movably supported at the juncture of the branches and shiftable to alternative positions to direct cans into either of the branches of said guideway and a movable support for said cam arranged to carry the cam to mid-position where it will operate to deflect cans to the two branches alternately or to position at one side to deflect all cans to one runway.

1,735,826. TRANSMISSION-CASE CAP. HENRY R. LETZKE, Syracuse, N. Y., assignor to The Warner Corporation, Syracuse, N. Y., a Corporation of Indiana. Filed Sept. 4, 1928. Serial No. 303,801. 5 Claims. (Cl. 74-39.)



1. In a device of the class described, a housing, a lever extending through the housing and provided with a slot, a cap removably mounted on the lever, a removable key positioned in the slot in the lever and formed with a stop, and spring means for holding the cap against the stop on the key.

1,735,827. METAL AND CONCRETE BUILDING CONSTRUCTION. URBAN C. THIES, Dayton, Ohio, assignor, by mesne assignments, to The Globe-Wernicke Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 14, 1928. Serial No. 115,916. 6 Claims. (Cl. 72-50.)

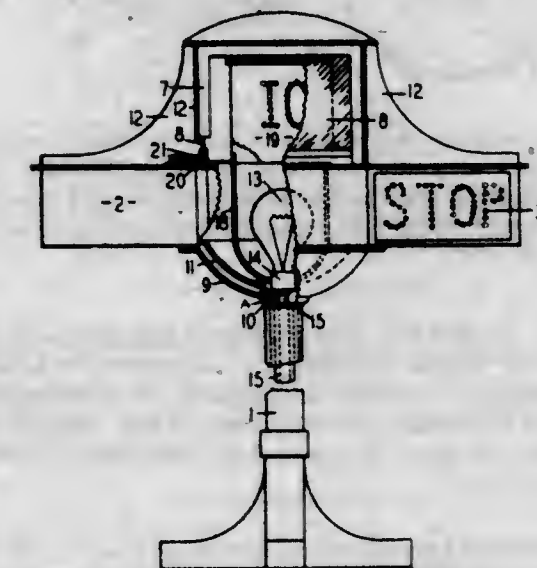


1. A building wall comprising a skeleton self-sustaining frame of hollow rectangular elongated members rigidly attached together at their ends to define a series of rectangles, and filled with concrete, an exterior covering means of cementitious material on the outer face of the frame, an inner wall surface extending between said members and spaced from said exterior covering means to provide a dead-air chamber therebetween.

1,735,828. TRAFFIC SIGNAL. LEO M. TORRENCE, Arlington, Kans., assignor to Jo Margaret Torrence, Arlington, Kans. Filed June 3, 1927. Serial No. 196,266. 2 Claims. (Cl. 116-63.)

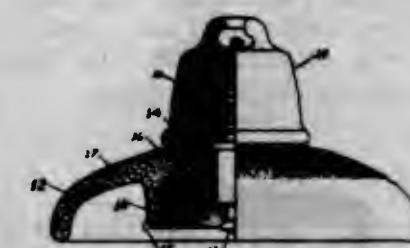
1. In a traffic signal device, a signal housing of the kind described, a pedestal rotatably supporting the housing, a pipe downwardly extending into the pedestal and rigidly carried thereby, functioning as a conduit, an electric lamp attached to the upper end of the pipe, a housing having arms attached to the upper end of said pipe, said housing axially aligned with said pipe, the numbers or names of

the streets cut through the sides of the last said housing, glass panels in first said housing in close proximity to the sides of second said housing and in registry therewith, so that when the first said housing rotates to the parallel alignment of the glass panels to the sides of the second said housing the numbers or names are readable there-through, the second housing remaining in one position at all times, means to operate the space between the stationary housing, a concave reflector concentrically positioned



In the rotatable housing as light refraction means for the interior of both of said housings, a downward extending pipe from the rotatable housing to rotatably engage in the shaft of the pedestal, a slot transversely positioned in the pedestal, a handle rigidly attached to the lower end of the last said pipe, the handle to reciprocatingly engage in the said slot as turning means for the rotatable housing to the equivalent of a quadrant to and for, all substantially as shown.

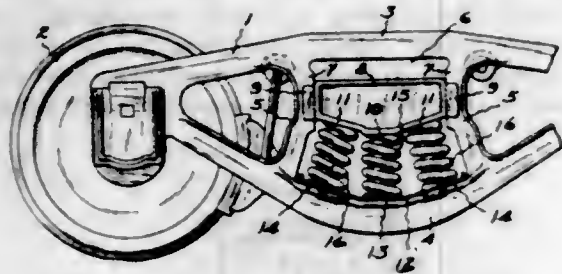
1,735,829. MEANS AND METHOD FOR CONTROLLING SURFACE RESISTANCE OF INSULATORS. ARTHUR O. AUSTIN, Harborton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Oct. 20, 1921, Serial No. 608,937. Renewed Nov. 15, 1926. 10 Claims. (Cl. 173-318.)



4. An insulator comprising a dielectric member having an attaching member secured thereto, and means immediately adjacent said attaching member on the surface of said dielectric member for producing a graded variation of the surface resistance thereof adjacent said attaching member so that said surface resistance per unit area increases outwardly from said attaching member.

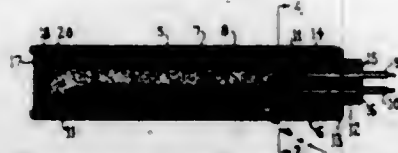
9. The method of controlling the surface resistance gradient of an insulator having a dielectric member and attaching members secured thereto comprising the steps of providing a retention coating on the surface of said dielectric member adjacent said attaching members, said coating being varied in its ability to retain conducting material and having greater retentive ability where greater conductivity is desired and permitting the accumulation of resistance reducing material on said retention coating.

1,735,830. BOLSTER MOUNTING. FRANK W. LEWIS, Davenport, Iowa, assignor to The Bettendorf Company, Bettendorf, Iowa, a Corporation of Iowa. Filed Aug. 4, 1928. Serial No. 297,468. 8 Claims. (Cl. 105-197.)



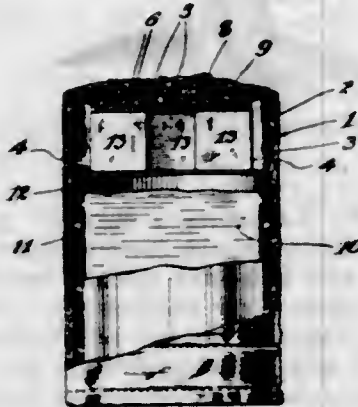
1. In a railway car truck having a yieldably supported bolster, vertical guide members on opposite sides of the bolster, a spring seat beneath the bolster, and oppositely inclined compression coil springs interposed between the bolster and seat.

1,735,831. ELECTRIC HEATER AND METHOD OF MAKING THE SAME. EDWIN N. LIGHTFOOT, Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc., a Corporation of Delaware. Filed May 7, 1925. Serial No. 28,558. Renewed Apr. 20, 1929. 12 Claims. (Cl. 201-64.)



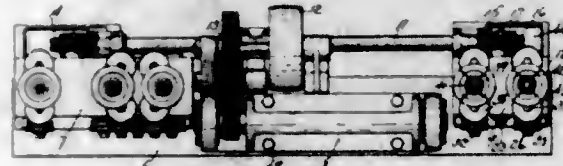
9. A heater comprising a tubular casing having at one end an insulating bushing, a hollow insulating core having one end engaged with said bushing for centering said core in said casing, a resistor wound on said core, lead wires for said resistor extending through said bushing, one of said lead wires extending through the bore of said core to the remote terminal of said resistor and the other having a reflexed portion disposed within said core and insulation within said core and surrounding said core and resistor, said insulation being chemically treated in situ with expansive tendencies opposed by said casing.

1,735,832. REFRIGERATED PACKAGE WITH PERMEABLE INSULATION AND METHOD. JAMES W. MARTIN, Jr., Yonkers, N. Y., assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 2, 1927. Serial No. 180,410. Renewed Apr. 12, 1929. 16 Claims. (Cl. 62-92.)



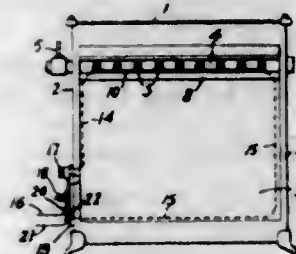
1. A refrigerated package including a perishable product adapted to be over-frozen, a container enclosing said product, solidified carbon dioxide and a bag in which said container and frozen carbon dioxide are enclosed, with the latter nearest the mouth of the bag, the material of the bag including a thickness of insulating material of loose fibrous quality affording interspaces designed to permit transverse cooing through of gas liberated within the bag.

1,735,833. WIRE-STRAIGHTENING MACHINE. GEORGE F. MATTESON, Rockyhill, Conn., assignor to The F. B. Shuster Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 3, 1927. Serial No. 172,332. 14 Claims. (Cl. 140-131.)



1. A wire straightening machine comprising a base, a wire straightening unit, a wire feed unit, means for independently removably securing each of said units to the base, and means other than the securing means for accurately aligning said units.

1,735,834. ELECTRIC GASLIGHTING DEVICE. JOHN WAYLAND MAYO, Wilkesburg, Pa. Filed Mar. 13, 1924. Serial No. 698,904. 6 Claims. (Cl. 175-115.)



1. In an electric gas-lighting device, the combination with a gas burner embodying a plurality of jet openings, of a single resistance element extending through positions adjacent to each of said openings and adapted to be heated to incandescence to ignite gas therefrom.

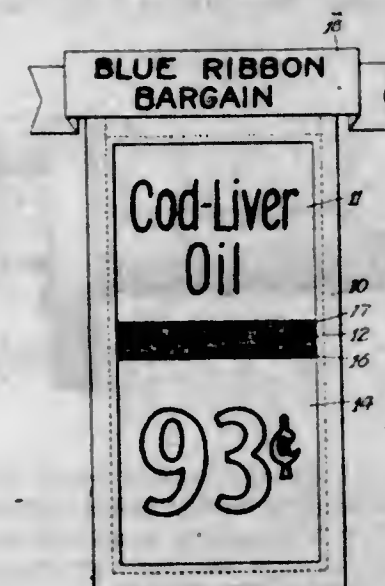
1,735,835. METHOD OF TREATING AND SOWING GUAYULE SEED. WILLIAM BURNET MCCALLUM, Salinas, Calif. Filed Mar. 22, 1927. Serial No. 177,476. 7 Claims. (Cl. 111-1.)

1. The herein described process consisting essentially of pre-sprouting guayule seeds, sowing the pre-sprouted seeds on the surface of a bed and covering the sowed seeds with a non-crusting layer of the earthy material of approximately one-eighth inch thickness.

1,735,836. INTERCHANGEABLE CARD SIGN. HENRY ELTON PEASE, Chicago, Ill., assignor to Standard Show Card Service, Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1929. Serial No. 343,069. 4 Claims. (Cl. 40-64.)

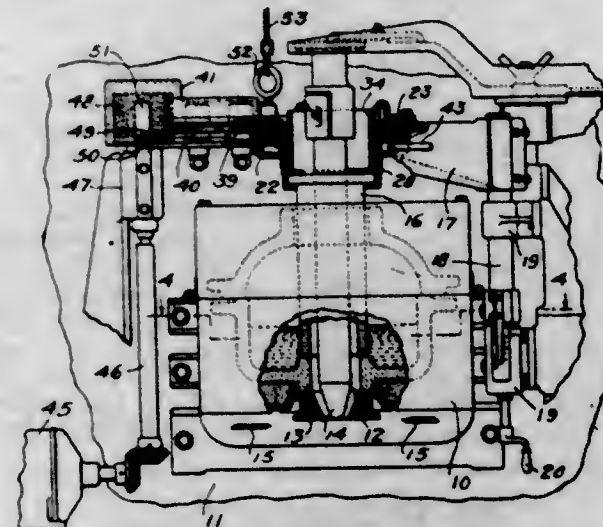
1. An interchangeable card sign comprising, in combination, a frame having its members slotted to receive a plurality of cards and maintain them in contact face to face, a commodity card subdivided by transverse stripes into commodity panels of equal height at its ends and an intermediate panel, a price card of approximately one half the height of the commodity card and bearing different price indicia on its opposite sides and provided along its upper margin with a stripe corresponding to those on the commodity card, and a supplementary card provided along its upper and lower margins with stripes corresponding to those on the other cards and with legends

adjacent to said stripes, said supplementary card being of a height not less than the aggregate height of the inter-



mediate panel and a commodity panel of the commodity card, and all of the cards being of suitable width to fit into the grooved frame.

1,735,837. APPARATUS FOR FEEDING MOLTEN GLASS. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed June 24, 1925. Serial No. 39,242. 23 Claims. (Cl. 49-55.)



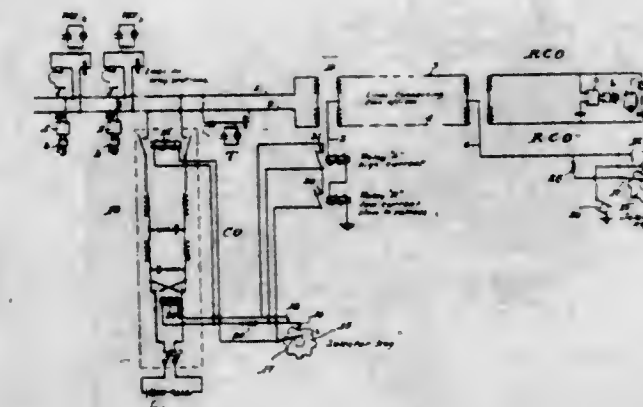
4. Apparatus for feeding molten glass, comprising a container having a discharge outlet, a rotary implement projecting into the glass in said container, a rotatable support for said implement, a bearing carrying said support, a housing adjacent to said bearing, and means for projecting cooling air into said housing.

7. Apparatus for feeding molten glass, comprising a container having a discharge outlet, a rotary implement extending into the glass in said container, and mechanism for supporting and rotating said implement, comprising a rotatable annular support, a bearing therefor, and a holder for said implement comprising clamp members carried by said rotatable support, one of said clamp members being removable from said support to enable said implement to be removed upwardly from said holder through said annular support.

1,735,838. REMOTE CONTROL OF SELECTOR APPARATUS. CHARLES F. STRAENS, Oceanside, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1928. Serial No. 250,487. 4 Claims. (Cl. 178-2.)

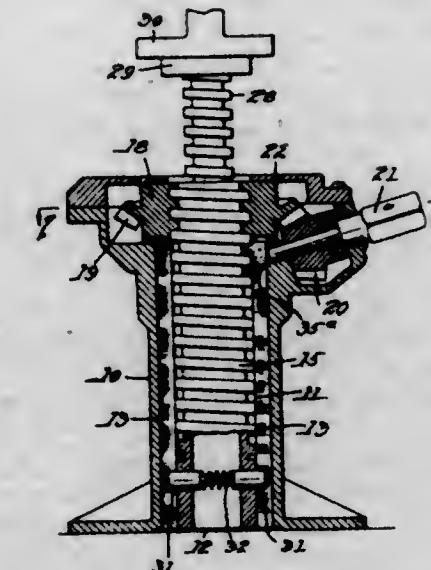
1. In a signaling system, way stations, a main station, a signaling circuit extending from said main station to said way stations, and a remote station, signaling ap-

paratus at the main station for transmitting current impulses of opposite polarities upon said signaling circuit, means for controlling said signaling apparatus from the remote station comprising relays at the main station



operating to control the actuation of said apparatus, control means at the remote station for independently actuating said relays and a circuit connecting said relays and said control means.

1,735,839. JACK. ALVIN L. JOHNSON, Worcester, Mass., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Original application filed Nov. 17, 1924. Serial No. 750,231. Divided and this application filed Jan. 14, 1927. Serial No. 161,084. 5 Claims. (Cl. 254-102.)

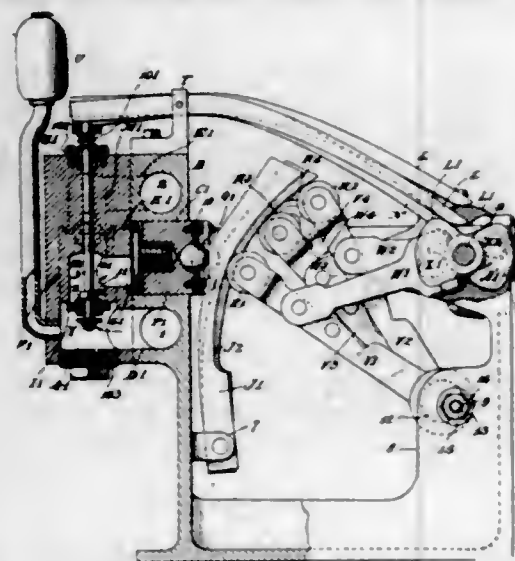


1. A jack, comprising main and secondary screws, a standard for said screws, a rotatable nut for the main screw, a shiftable pin carried by the main screw, and stop and cam means within said standard engageable by said pin adapted to withhold the main screw from rotation during part of its travel and to permit rotation thereof at the end of its travel.

1,735,840. TRANSMISSION FOR MOTORS OR ENGINES. JOHN H. STRINGHAM, Jersey City, N. J., assignor of one-third to Charles H. Good, Jersey City, N. J.; John H. Stringham administrator of said John H. Stringham, deceased. Original application filed Jan. 29, 1923. Serial No. 615,468. Divided and this application filed July 5, 1924. Serial No. 724,239. 27 Claims. (Cl. 74-14.)

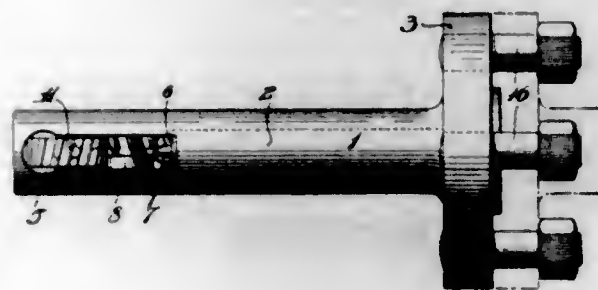
1. A mechanical amplifying system for a short stroke piston of a reciprocating engine, which comprises an am-

plifying member having a curved surface; a rolling contact member movable by the piston against the amplifying member to move the latter; and a mechanism having



rolling contact with the curvature of the amplifying member, said curvature and mechanism being constructed to effect an amplified motion of said mechanism.

1,735,841. INTERNAL KEYWAY MILLING DEVICE. WILHELM VON NEUBECK, Philadelphia, Pa. Filed May 9, 1924. Serial No. 712,149. 21 Claims. (Cl. 90-14.)



1. In an internal key way milling device, an elongated housing, a toothed rotary milling cutter rotatably mounted near one end of said housing, a driving shaft extending longitudinally of said housing and having its axis substantially in the central plane of rotation of said cutter, a face gear on the end of said driving shaft nearest said cutter, and an idle toothed wheel operatively interposed between said face gear and cutter and engaging the respective teeth of the same.

THE OFFICIAL GAZETTE OF THE United States Patent Office

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CONTENTS

	Page
ISSUE OF NOVEMBER 19, 1929.....	523
ADVERSE DECISIONS IN INTERFERENCE.....	523
ADJUDICATED PATENTS.....	523
APPEALS TO THE BOARD OF APPEALS.....	523
APPLICATIONS UNDER EXAMINATION.....	524
DECISIONS OF THE BOARD OF APPEALS—	
Ex parte Conrad.....	525
DECISIONS OF THE U. S. COURTS—	
Sanitary Refrigerator Co. v. Alexander F. Winters et al.	526
Alexander F. Winters et al. v. Dent Hardware Company..	529
PATENT SUITS.....	530
CHANGES IN CLASSIFICATION.....	530
INTERFERENCE NOTICES.....	531
TRADE-MARKS PUBLISHED (240 APPLICATIONS).....	563
TRADE-MARK REGISTRATIONS GRANTED.....	576
LABELS.....	577
PRINTS.....	579
REISSUES.....	581
DESIGNS.....	588
PATENTS GRANTED.....	588

Issue of November 19, 1929

Trade-Marks.....	275—No. 264,030 to No. 264,304, inclusive.
Labels.....	28—No. 36,641 to No. 36,668, inclusive.
Prints.....	38—No. 12,185 to No. 12,222, inclusive.
Reissues.....	10—No. 17,480 to No. 17,498, inclusive.
Designs.....	34—No. 79,917 to No. 79,950, inclusive.
Patents.....	926—No. 1,735,842 to No. 1,736,767, inclusive.
Total.....	1,311

Adverse Decisions in Interference

In an interference involving the indicated claims of the following patent final decision has been rendered that the following patentee was not the first inventor with respect to the claims listed:

Pat. 1,638,274. Henry V. Putman. Starting apparatus for synchronous motors, decided September 30, 1929. claims 1, 4, 5, 7, and 10.

Final decisions in interference have been rendered against the following trade-marks:

T. M. 161,658. Candy and chocolates, United Cigar Stores Company of America, Jersey City, N. J., and New York, N. Y. Registered November 14, 1922. Decided October 8, 1929.

T. M. 199,451. Pasteurized and unpasteurized fresh cow's milk, Sunshine Creamery Inc., Miami, Fla. Registered June 9, 1925. Decided October 12, 1929.

Adjudicated Patents

(D. C. Mass.) Riegler patent, No. 1,193,613, for method and means for testing paper pulp, claims 1, 3, 4, and 7 Held valid and infringed. *Louis Schopper & Foreign Paper Mills v. Starr Brass Mfg. Co.*, 34 F. (2d) 664.

(D. C. N. Y.) Dick and Wolters patent, No. 1,350,368, for heat-resisting safe or cabinet, Held valid and infringed. *Remington Rand, Inc. v. Art Metal Const. Co.*, 34 F. (2d) 693.

(D. C. N. Y.) Calkins patent, No. 1,451,491, for pattern and guide strip, claims 4 to 7 Held valid. *Trattel Marble Co. v. U. T. Hungerford Brass & Copper Co.*, 34 F. (2d) 670.

(C. C. A. N. Y.) Hazeltine patent, No. 1,533,858, for method and means for neutralizing capacity coupling in audions, claims 1, 2, 5, 9, 11, 12, 14, and 16 Held valid and infringed. *Hazeltine Corporation v. Wildermuth*, 34 F. (2d) 635.

(D. C. Mass.) Olshei and Hueber patent, No. 1,659,496, for windshield wiper, claim 1 Held invalid, claim 2 Held valid and infringed. *Trico Products Co. v. Apco-Mossberg Corporation*, 34 F. (2d) 672.

(C. C. A. N. Y.) Hatmaker reissue patent, No. 13,232, for process of drying milk, claims 3 and 4 Held invalid and claims 1, 2, and 5 Held not infringed. *Hatmaker v. Dry Milk Co.*, 34 F. (2d) 609.

(D. C. N. Y.) Dick and Wolters reissue patent, No. 15,529, for cabinet and method of making the same, claims 1, 9, and 22 Held valid and infringed. *Remington Rand, Inc. v. Art Metal Const. Co.*, 34 F. (2d) 693.

NOTICE

APPEALS TO THE BOARD OF APPEALS

U. S. PATENT OFFICE, Washington, Nov. 7, 1929.

Whenever the appellant in an *ex parte* case submits his appeal on brief and waives an oral hearing, or the parties to an interference stipulate that the appeal may be so considered, the appeal will be taken up by the Board in its turn among the cases so submitted, and thus save the time usually consumed in waiting for the oral hearing.

THOMAS B. ROBERTSON,
Commissioner of Patents.

Condition of Applications Under Examination at Close of Business November 8, 1929

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 111,600; Trade-Mark Division, 1,451. Oldest new case, Jan. 7, 1929; oldest amended, Jan. 11, 1929. The dates given are 1929.)	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
				New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Feb. 28	Mar. 5	1,347		
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 7	Mar. 8	1,860		
331	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 6	June 13	1,332		
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	Apr. 1	Apr. 1	1,412		
108*	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Feb. 19	Feb. 23	1,587		
318	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Jan. 7	Jan. 11	3,050		
106	7. JARBOE, C. G., Optics; Photography.	Feb. 21	Feb. 18	2,307		
133	8. HENRY, C. C., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	July 20	1,202		
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	Apr. 15	Apr. 16	1,824		
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Mar. 1	Apr. 3	1,657		
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyeslet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 6	Aug. 3	695		
380	12. PIERCE, P. P., Machine Elements.	Mar. 14	Mar. 12	1,726		
154*	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 25	Apr. 3	1,483		
102*	14. BRUMBAUGH, N. J., Pottery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Work, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 2	Apr. 11	1,215		
239	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Jan. 12	Jan. 12	2,831		
242*	16. SPENCER, C. J., Telegraphy; Telephony.	Feb. 18	Mar. 16	1,333		
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 21	Mar. 16	1,537		
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 27	Mar. 27	1,480		
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 11	Feb. 14	2,102		
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 1	Apr. 4	1,588		
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	Apr. 2	July 12	844		
244*	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 8	Apr. 10	1,592		
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers.	Jan. 22	Jan. 25	1,197		
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Feb. 8	Mar. 12	1,593		
202*	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 11	Mar. 9	1,634		
228*	26. HODGES, J. S., Electricity; Generation; Motive Power.	Mar. 26	Mar. 19	1,230		
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 19	Feb. 21	1,589		
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 6	Apr. 3	2,063		
160*	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	May 2	Apr. 22	775		
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidistats.	Feb. 13	July 29	1,455		
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Feb. 23	Feb. 8	2,421		
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	Mar. 20	Mar. 21	1,835		
152	33. WYMAN, W. L., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 25	Apr. 1	2,300		
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Mar. 8	Mar. 27	1,176		
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	May 20	June 12	1,717		
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Feb. 26	Feb. 26	2,224		
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Jan. 24	Feb. 7	2,260		
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 12	Feb. 16	1,928		
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Jan. 21	Jan. 26	1,962		
262*	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Feb. 13	Mar. 13	2,982		
125	41. BROWN, J. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Mar. 19	Mar. 21	1,356		
223*	42. CUTTING, H. O., Electric Signaling.	Apr. 10	May 4	1,601		
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Feb. 8	Feb. 12	2,210		
253	44. SHAFFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 1	Feb. 21	2,220		
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Jan. 24	Jan. 18	2,541		
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 8	Mar. 12	1,650		
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Jan. 19	Feb. 8	2,546		
212*	48. ROEPKE, O. B., Electricity, General Applications.	Mar. 13	Mar. 6	1,370		
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 8	June 12	1,256		
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating.	Feb. 27	Mar. 5	2,704		
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Feb. 14	Feb. 14	2,287		
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 8	Apr. 9	2,301		
201*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	June 5	June 5	1,369		
241	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Feb. 15	Feb. 12	2,519		
102	55. BOWEN, S. T., Bread, Pastry, and Confection Making; Cutlery.	Oct. 16	Oct. 28	1,346		
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	July 10	July 10	570		
257*	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 4	Feb. 8	2,434		
270*	58. DOWELL, E. F., Abrading; Typewriting.	Feb. 21	Apr. 20	1,203		
315	59. RICHARD, V. I., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Feb. 16	Feb. 23	1,321		
213*	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Feb. 8	Mar. 8	1,825		
269	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Feb. 23	Feb. 20	2,348		
245*	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Feb. 25	Mar. 2	2,656		
163	TRADE-MARKS, LABELS, AND PRINTS; F. A. RICHMOND.—(Trade-Marks—Labels and Prints.)	Oct. 8	Oct. 26	1,296		
		Oct. 25	Oct. 28	153		

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Decisions of the Board of Appeals

EX PARTE CONRAD

Decided March 29, 1929

1. PATENTABILITY—ELECTRIC INSULATOR.

Certain claims for an electric insulator held patentable where the particular shape of the stress distributing members and the particular location thereof is neither shown nor suggested in the prior art and the shape of these members operates advantageously to distribute the electrostatic stresses.

2. CLAIMS—MULTIPLICITY.

Where the shape of the strain or stress distributing members of an insulator constitutes substantially the departure made over the prior art, there is no necessity for restatement of this simple fact in numerous claims nor of attempting to define the difference by mere statements of functions of the same stress distributing members.

[This application has resulted in Patent No. 1,730,124.]

ON APPEAL.

INSULATOR

Mr. Wesley G. Carr for applicant.

Before KINNAN, First Assistant Commissioner, and RUCKMAN and LANDERS, Examiners in Chief

KINNAN, First Assistant Commissioner:

This case is before us for review of the decision of the Examiner denying the patentability of claims 1 to 10 of which claim 1 will serve for illustrative purposes and is as follows:

1. An insulator comprising an insulating tube, terminal members of substantially cup-shape disposed over the ends thereof to carry the mechanical load on the insulator and tapered electrostatic-stress-distributing members projecting into the tube beyond the inner edges of the cups to prevent concentration of the field and to widely distribute the exterior field of the insulator along the outer longitudinal surface thereof adjacent to its ends.

The references relied upon are: Steinberger, 1,451,968, April 17, 1923; Steinberger, 1,448,604, March 13, 1923; Fortescue et al., 1,374,008, April 19, 1921; French patent, 473,609, October 2, 1914; pages 902-904 of the "Proceedings of the A. I. E. E." for 1913.

The claims are directed to an insulator for high voltage currents in which a dielectric rod or tube is employed having mechanical attaching members at the respective ends and other members inserted in the ends of the tube for distributing the electrostatic stresses. By having the stress members project into the openings in the ends of the dielectric rod or tube and project beyond the attaching members the ends of the stress members are thus brought nearer to each other than the attaching members. The stress members are made of greatest diameter near the edges of the attaching members and are made to taper toward their inner ends which latter are rounded off to prevent concentration of the stresses at the inner ends.

[1] The prior art discloses insulators of this general type, but the strain distributing members are of different shapes or contours. The patent to Steinberger, 1,451,968, discloses, especially in Figure 3,

an arrangement quite similar to that covered by the claims but the flux distributing members, indicated at 20 and 21, are alleged by the applicant to be of a contour incapable of producing the advantages secured by the applicant's stress distributing members. It is shown by the publication "Proceedings of the A. I. E. E." and likewise by the patent to Fortescue et al. to have been known prior to applicant's alleged invention that the particular shape of stress distributing members adopted by the applicant would operate advantageously to distribute these electrostatic stresses. There is no suggestion, however, of the adaptation or use of such particular contours or shapes of such members in the location in which the appellant has placed them. It is deemed the corresponding members indicated at 20 and 21 in the Steinberger Patent 1,451,968 would actually function as distributors of electrostatic stresses, but it is not thought they would possess the advantages claimed by the applicant. We think the specific arrangement disclosed involves invention over what the Examiner has shown to constitute the prior art.

[2] A review of the claims discloses that they are needlessly multiplied. The shape of the strain or stress distributing members constitutes substantially the departure which the applicant made over the prior art, and there is no necessity for a restatement of this simple change in ten claims. Many of the claims differ in mere statement of function attributed to these strain members rather than in structural distinctions. Claim 2 differs from claim 1 merely in reciting the usual transversely placed pin for holding the cap and the insulating rod or tube together. This construction is disclosed in the French patent to Schwank. Claims 1 and 2 are not patentably distinct. Claims 3, 4, 5, 6, 7, and 8 do not define one from the other in any way save in reciting features already old in the art or depend for their distinctions, one from the other, in mere statements of functions of these same mechanical stress distributing members. None of such claims are, furthermore, patentable over claim 1. In connection with this objection to this mere repetition of the same novel feature attention is invited to the severe condemnation of needless multiplicity of claims in the case of *Electrical Engineers Equipment Co. v. Champion Switch Co.*, 379 O. G. 697, C. C. A. 2d Cir., appearing near the end of the decision.

Claims 1, 9, and 10 are deemed to set forth the invention which the applicant has made and may be allowed.

The decision of the Examiner is affirmed as to claims 2 to 8, inclusive, and reversed as to claims 1, 9, and 10.

Supreme Court of the United States

SANITARY REFRIGERATOR CO. v. ALEXANDER F. WINTERS ET AL. ALEXANDER F. WINTERS ET AL. v. DENT HARDWARE COMPANY.

Nos. 4 and 14. Decided October 14, 1929

1. PATENTS—DECISIONS IN DIFFERENT CIRCUITS—COMITY.

Where the manufacturer of a device alleged to infringe a patent, though not a party to a suit brought in a certain circuit on such patent against one of the manufacturer's customers, employed counsel and defended such suit, and in a suit brought against such manufacturer after the decree of the district court in the first suit but before the decision of the circuit court of appeals therein the defense of res adjudicata was not raised, *Held* that the only effect of the decision of the circuit court of appeals in the first suit was that which it had under the doctrine of comity.

2. SUITS FOR INFRINGEMENT—DIVERSITY OF DECISIONS—CERTIORARI—QUESTIONS BEFORE THE COURT.

Where a case involving the infringement of a patent is brought to the Supreme Court on certiorari because of the conflict of the decisions of two circuit courts of appeals on the question of infringement and the findings of the two courts in each circuit were concurrent, *Held* that "under these circumstances, neither properly calls for the strict application of the general rule as to the acceptance by this Court of the concurrent findings of the lower courts on questions of fact, and we consider independently the question as to which of the decisions on this question is based upon the sounder reasoning and is correct."

3. PATENTS—INFRINGEMENT.

"There is a substantial identity, constituting infringement, where a device is a copy of the thing described by the patentee, either without variation, or with such variations as are consistent with its being in substance the same thing." *Burr v. Duryee*, 1 Wall. 531, 573. Except where form is of the essence of the invention, it has little weight in the decision of such an issue; and, generally speaking, one device is an infringement of another if it performs substantially the same function in substantially the same way to obtain the same result."

4. SAME—SAME.

"And even where, in view of the state of the art, the invention must be restricted to the form shown and described by the patentee and can not be extended to embrace a new form which is a substantial departure therefrom, it is nevertheless infringed by a device in which there is no substantial departure from the description in the patent, but a mere colorable departure therefrom."

5. SAME.

Claims 1, 2, 3, 4, and 7 of the Winters and Crampton Patent, No. 1,385,102, *Held* infringed.

No. 4, on writ of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit.

No. 14, on writ of certiorari to the United States Circuit Court of Appeals for the Third Circuit.

Mr. Frank E. Liverance and Mr. John Boyle, jr., for Winters and Crampton.

Mr. E. Haywood Fairbanks for Sanitary Refrigerator Co. and Dent Hardware Co.

Mr. Justice SANFORD delivered the opinion of the Court.

These are two suits in equity relating to Letters Patent No. 1,385,102 for improvements in latches, issued to Winters and Crampton July 19, 1921. They were heard together here. The invalidity of the two general claims of the patent, 5 and 6, has been con-

ceded, and the issues here are limited to the five specific claims, 1, 2, 3, 4 and 7.

In No. 4—hereinafter referred to as the Sanitary case—Winters and Crampton brought suit in the Eastern District of Wisconsin against the Sanitary Refrigerator Co. for infringement of the patent by the latch which it used in the manufacture of refrigerators. The Dent Hardware Co., which had manufactured and sold the latches to the Refrigerator Co., although not itself a party to the suit, employed counsel and conducted the defense of the suit at its own expense. The district court, after a hearing on pleadings and proof, held that the patent was valid and infringed, enjoined further infringement and ordered an accounting. On appeal to the Circuit Court of Appeals for the Seventh Circuit, the defendant admitted the validity of the five specific claims—

accompanied by the statement that validity was recognized only in view of an asserted construction which gave to each so narrow a field that infringement was not disclosed.

The court, finding that the sole issue remaining was one of the infringement of these claims, held that, while they were extremely narrow and were restricted to the particular structure disclosed, they had some range of equivalency and were infringed by the defendant's latch, and affirmed the decree of the district court in respect to them. 24 F. (2d) 15.

In No. 14—hereinafter referred to as the Dent case—Winters and Crampton, after the decree of the district court in the Sanitary case but before that of the circuit court of appeals, brought a suit for infringement in the Eastern District of Pennsylvania against the Dent Hardware Co., the manufacturer of the refrigerator latches. The district court, on final hearing, held that as to the five specific claims the question was not as to their validity but as to their scope, there being in effect no denial of the plaintiff's right to the specific construction described, and that these claims should be so read as to restrict their right to the specific construction and was not infringed by the defendant's latches; and dismissed the bill of complaint. On appeal to the Circuit Court of Appeals for the Third Circuit, the defendant again conceded that the five claims "were valid if limited to the specific structure disclosed," but claimed that when so limited, it did not infringe. The court, while it had grave doubt as to the validity of these claims, finding that, if valid, their scope was clearly confined to the structural design disclosed and had only a narrow range of equivalency—and not agreeing with the opinion of the circuit court of appeals in the Sanitary case, which meanwhile had been handed down—held that they were not infringed by the Dent latch; and affirmed "the decree of the district court, dismissing the bill because of noninfringement." 28 F. (2d) 583.

There being a conflict of opinion between the two circuit courts of appeals on the question of infringe-

ment, writs of certiorari were thereafter granted in both cases.¹

Since both courts in the Sanitary case held the five specific claims to be valid, and neither court in the Dent case held them to be invalid, and the Hardware Co. in defending for the Refrigerator Co. in the Sanitary case and for itself in the Dent case admitted in both circuit courts of appeals that these claims were valid if limited to the specific structure disclosed, we have no occasion here to determine the question as to the validity of these claims when thus limited; especially as the petition for certiorari in the Sanitary case did not question the decree of the Circuit Court of Appeals for the Third Circuit in respect to the validity of these claims, but assigned as error merely its holding in reference to the question of infringement and was based solely on the conflict between the two circuits in respect to that question.²

[1] Nor have we occasion here to consider at length whether, as urged by Winters and Crampton, the decree of the Circuit Court of Appeals for the Seventh Circuit affirming the interlocutory order of the district court adjudging the infringement and ordering an accounting, finally and conclusively determined the question of infringement so as to become binding upon the Circuit Court of Appeals for the Third Circuit. The bill in the Dent case was filed before the judgment of the Circuit Court of Appeals for the Seventh Circuit had been rendered. It was not set up by Winters and Crampton as a defense in the Dent case by any amendment to the pleadings; nor was it even introduced in evidence in that case. In short, there is nothing in the record in that case to raise the defense of res judicata or estoppel by judgment; and the only effect of the decree in the seventh circuit when called to the attention of the Circuit Court of Appeals for the Third Circuit in argument was, at most, that which it had under the doctrine of comity, constituting a rule, not of law, but of practice, convenience and expediency; and if we thought the action of the Circuit Court of Appeals for the Third Circuit "correct upon the merits, we should not reverse its action" though we were of opinion it had not given sufficient weight to that doctrine. See *Mast, Foos & Co. v. Stover Mfg. Co.*, 177 U. S. 485, 488, 91 O. G. 1239.

This brings us to the question brought up for review by the writs of certiorari, as to whether the five specific claims of the Winters and Crampton patent were infringed by the refrigerator latches manufactured by the Dent Hardware Co. and used by the Refrigerator Co.

[2] So far as this question is concerned there is no substantial difference in the evidence in the two cases. As there was a concurrent finding in the two lower courts in the Sanitary case that they were infringed, and a concurrent finding in the two lower

courts in the Dent case that they were not infringed, and the cases have been brought here because of the conflict of decision in the two circuit courts of appeals, it is clear that under these circumstances, neither properly calls for the strict application of the general rule as to the acceptance by this court of the concurrent findings of the lower courts on questions of fact, and we consider independently the question as to which of the decisions on this question is based upon the sounder reasoning and is correct. Compare *Thomson Co. v. Ford Motor Co.*, 265 U. S. 445, 447; *Concrete Appliances Co. v. Gomery*, 269 U. S. 177, 180. Furthermore upon the undisputed evidence the question of infringement resolves itself in each case into one of law, depending upon a comparison between the structure disclosed on the face of the patent and the device shown in the Dent latch, and the correct application thereto of the rule of equivalency. Compare *Singer Company v. Cramer*, 192 U. S. 265, 275.

In the application for their patent Winters and Crampton said:

This invention relates to a latch of the swinging lever type, particularly adapted for use on refrigerators though applicable in many other relations where a door is to be closed and held in closed position. The swinging lever latch is pivotally connected at one end to the door jamb or casing, allowing the door to be opened when the latch is thrown to an upper vertical position, and coming down across the meeting edges of the casing and door when swung to horizontal position, engaging with a cam member on the door to wedge the door tightly shut. This latch is a very serviceable latch but is liable to drop to horizontal position in which case the door cannot be closed without first raising the lever to upper vertical position while, many times, the door is inadvertently swung toward closed position and against the lever in its horizontal position with injury either to the lever or door or both. In the present invention, it is a primary object and purpose to provide a latch which may be pivotally connected to the door and which is automatically operated to engage with a retaining member or keeper fixed on the door casing when the door is closed irrespective of the vertical or horizontal position of the latch lever, working as well in the one case as the other. A further object of the invention is to construct a latch of few parts, whereby it may be economically made and which will be durable and efficient in service. The ability to close the door and latch it automatically, irrespective of the position of the latch lever insures against injury to the latch or door and also insures that the door will be latched when it is swung shut.

1. In combination, a door and a casing therefor, a keeper attached to the casing comprising a base, an outstanding post and a head at the outer portion of the post, said head depending below the post and formed with upper and lower curved outer sides coming substantially to a point and with an inner upwardly and inwardly inclined side, a member attached to the door comprising a base, an integral outstanding post projecting from the base and a laterally extending arm at the upper end of the post paralleling the base, and a latch lever pivotally mounted between its ends between the said arm and base of said member, said lever having one arm formed with an under cam side extending from the pivot and adapted to be engaged under the depending portion of the keeper, a handle portion extending in the opposite direction from the pivot and another arm projecting from the handle portion a distance from the pivot and lying substantially at right angles to the first arm of the lever and likewise being formed with an inner cam side, substantially as and for the purposes described.

7. In combination, a door and a casing therefor, a keeper attached to the casing, a latch lever pivotally mounted on the door between its ends, one end of the lever being formed into an operating handle and the other into a keeper engaging arm, a second arm projecting from the handle portion of the lever a short distance from its pivot and at an angle to the first arm, said keeper being formed at its outer sides for engagement with the respective arms when the lever is in hori-

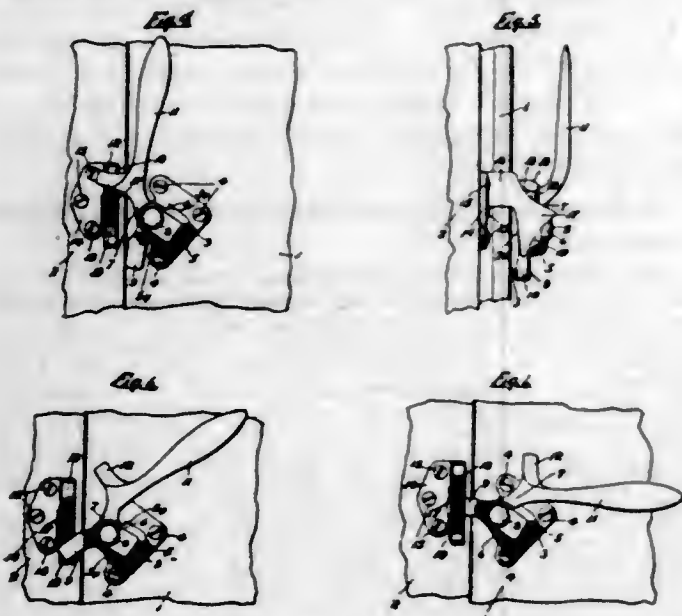
¹ In the Sanitary case the petition for the writ of certiorari was filed before the decree of the Circuit Court of Appeals for the Third Circuit in the Dent case had been handed down; and was then denied. 278 U. S. 599. But after the handing down of that opinion showing the conflict as to the question of infringement was brought to our attention by a petition for rehearing, the certiorari

was granted. 278 U. S. 587. However, the Refrigerator Co. did not challenge the correctness of the holding of the Circuit Court of Appeals for the Third Circuit that the five specific claims were valid; and the petition was based entirely on the conflict of opinion as to the question of infringement.

² See note 1, supra.

zontal and vertical positions, respectively, as the door is closed, to automatically operate the lever so that it will engage under the keeper when the door is entirely closed, substantially as described.

We insert here reproductions (on a reduced scale) of Figure 4 of the drawings which is a front elevation showing the door approaching closed position with the swinging lever in vertical relation to the door; Figure 5, a side elevation thereof; Figure 6, a front elevation showing the action on the swinging lever as the door approaches closed position after the lever has been in horizontal position; and Figure 7, a front elevation showing the latch in closed position and holding a door closed. These show the patented device in detail.



The operation of closing and latching the door is thus described in the specification:

When the door is moved toward closing position with the lever vertically located, the cam side 13 of arm 12 strikes against the curved upper side 18 of head 17, causing the lever to be automatically swung toward the horizontal, and bringing the arm 9 into place so as to pass under the lower point of the keeper head so that it may engage at its outer side against the edging cam side 20 of the head. It is apparent that by giving the end of handle 11 a downward movement, the door will be wedged tightly shut as the arm 9 moves upwardly and against the incline 20. . . . If the lever has dropped to horizontal position while the door is open, the closure of the door and engagement of the lever with the keeper is accomplished by merely swinging the door shut, in which case as shown in Figs. 6 and 7, the arm 9 strikes with its inclined cam side 10 against the lower curved side 19 of the head 17 of the keeper, causing the handle to be automatically turned toward vertical position. This movement continues until the arm 9 passes by the lower point of the keeper head 17 or, as usually occurs, the arm 12 comes into contact with the head at the upper side 18, whereupon the lever is actuated so as to bring the arm 9 under the depending portion of the keeper, the same as before described when closing the door with the lever in vertical position. In any case, the latch lever engages with the latch keeper when the door is closed irrespective of the position of the lever.

While this patent came into a prior art crowded with various latch devices for holding a door in closed position when it was shut and was not a pioneer patent entitled to a broad range of equivalents, the structure which it disclosed was meritorious and soon attained a large measure of commercial success.

The Dent latch is manufactured under Letters Patent No. 1,575,647 for lock devices for refrigerator doors issued March 9, 1926 to T. O. Schrader, assignor of the Hardware Co. In his application for this patent Schrader said:

I am aware of [Winters and Crampton] Patent No. 1,385,102 dated July 19, 1921, and I disclaim the struc-

ture therein disclosed, as my invention is differentiated therefrom, since whereas the structure disclosed in said patent utilizes a pin 12 carried by the latch arm 11, which coacts with an upper cam edge 18 of the keeper member 17; in my novel construction the upper edge of my keeper plate 17 has no function, but the pivotal latch 11 carries a cam 13 inclined to the pivot of said latch and adapted to coact with a pin 14 carried by and laterally projecting from the inner wall of the keeper plate 17 thereby to swing the terminal tongue of the latch into the horizontal locking position; and to none of the constructions of the prior art do I herein make claim.

The latch manufactured by the Hardware Co. which is involved in both these cases, differs only slightly in form from that shown in the Schrader patent. It is in the main an exact reproduction of the structure disclosed in the Winters and Crampton patent. It has like it a keeper attached to the door casing, with a triangular head, and a lever latch with a handle and two arms whose functions are to trip or give a kick to the latch lever by their coaction with the keeper head and wedge the lower arm under it, regardless of the position of the latch lever when the closing operation begins. The only differences are that in the Dent latch the keeper has on the inner or door side of the triangular head a lug projecting inwardly towards the latch lever; and the upper arm of the latch lever is a short inclined cam placed at the pivot of the latch lever, and so constructed and at such an angle that it rides upon and contacts with the lug on the side of the keeper head, instead of with its upper curved side as in the Winters and Crampton structure. The coaction of this shortened arm with the lug operates, however, on the cam principle, just as the coaction of the longer upper arm with the curved upper surface of the keeper head in the Winters and Crampton structure, to trip or kick the lower arm of the latch lever into the wedged position under the keeper head.

Despite the changes in the Dent latch from the Winters and Crampton structure we find that the two devices are substantially identical, operating upon the same principle, and accomplishing the same result in substantially the same way, and that the slight change in the form of the Dent latch is merely a colorable departure from the Winters and Crampton structure.

In the Dent latch, as stated by the Circuit Court of Appeals for the Seventh Circuit, the lug on the inner side of the triangular head of the keeper is a part of the side of the head. And at the place where the shortened upper arm of the latch lever comes in contact with it, the surface of this lug forms in effect the upper side of the keeper head as a substitute for the upper side in the Winters and Crampton structure, which, while left in place, performs no function whatever, just as if it were cut away.

Although the claims of the Winters and Crampton patent are limited to the structure therein disclosed, we find that they are infringed by the device of the Dent latch. Both circuit courts of appeals recognized that the Winters and Crampton patent, although thus limited had some range of equivalents; and we think that, though it be a narrow one, it is sufficient.

[3, 4] There is a substantial identity, constituting infringement, where a device is a copy of the thing

described by the patentee, "either without variation, or with such variations as are consistent with its being in substance the same thing." *Burr v. Duryee*, 1 Wall. 531, 573. Except where form is of the essence of the invention, it has little weight in the decision of such an issue and, generally speaking, one device is an infringement of another—

If it performs substantially the same function in substantially the same way to obtain the same result. . . . Authorities concur that the substantial equivalent of a thing, in the sense of the patent law, is the same as the thing itself; so that if two devices do the same work in substantially the same way, and accomplish substantially the same result, they are the same, even though they differ in name, form or shape.

Machine Co. v. Murphy, 97 U. S. 120, 125. And see *Elizabeth v. Pavement Co.*, 97 U. S. 126, 137. That mere colorable departures from the patented device do not avoid infringement, see *McCormick v. Talcott*, 20 How. 402, 405. A close copy which seeks to use the substance of the invention, and, although showing some change in form and position, uses substantially the same devices, performing precisely the same offices with no change in principle, constitutes an infringement. *Ives v. Hamilton*, 92 U. S. 426, 430. And even where, in view of the state of the art, the invention must be restricted to the form shown and described by the patentee and cannot be extended to embrace a new form which is a substantial departure therefrom, it is nevertheless infringed by a device in which there is no substantial departure from the description in the patent, but a mere colorable departure therefrom. Compare *Duff v. Sterling Pump Co.*, 107 U. S. 636, 639.

The fact that, as the Dent device makes two reciprocal changes in the form of the Winters and Crampton structure, one by the insertion of the lug on the keeper head, and the other in the shortened upper arm of the latch lever, and one alone of these changes cannot be substituted in the Winters and Crampton structure without the other, so as to make it operative, is plainly insufficient to avoid the infringement.

Nor is the infringement avoided, under the controlling weight of the undisputed facts, by any presumptive validity that may attach to the Schrader patent by reason of its issuance after the Winters and Crampton patent.

[5] The decree of the Circuit Court of Appeals for the Seventh Circuit in the *Snnitary* case is affirmed; and the decree of the Circuit Court of Appeals for the Third Circuit in the *Dent* case is reversed.

No. 4 affirmed.

No. 14 reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,058,107, A. L. Ruthven, Controlling mechanism; 1,335,260, same, Combination automatic and manual air-brake system and automatic train control and signal mechanism; 1,470,107, same, Combination automatic and manually-operable air-brake, power-control, and alarm system; 1,531,573, 1,597,545, same, Simplex train control, filed May 31, 1929, D. C., E. D. Pa., Doc. 5185, *Union Simplex Train Control Co., Inc. v. The Reading Co.*

1,128,292, E. H. Colpitts, Electric wave amplifier; 1,432,022, R. A. Heising, Circuit connections of electron-discharge apparatus; 1,483,273, D. G. Blattner, Circuit for heating the filaments of audions; 1,493,595, same, Amplifying with vacuum tubes; 1,504,587, H. D. Arnold, Power-limiting amplifying device; 1,544,943, E. O. Scriven, Electric wave repeater for multiplex transmission, D. C., N. D. Ohio (W. Div.), Doc. E 997, *Western Electric Co., Inc., et al., v. Silverphone Corp.* Decree pro confesso (notice Sept. 20, 1929).

1,151,506, 1,151,507, F. Ahlburg, Process of marking fruit, D. C., S. D. Calif. (Los Angeles), Doc. M-97-H, *Electric Fruit Marking Co. v. Tustin Hills Citrus Ass'n.* Dismissed without prejudice upon stipulation June 24, 1929.

1,151,507. (See 1,151,506.)

1,166,758, G. H. Gibson, Flow-controlling apparatus; 1,167,343, 1,522,877, 1,582,648, same, Furnace regulation; 1,537,044, same, Flow-proportioning apparatus, appeal filed Feb. 26, 1929, C. C. A., 3d Cir., Doc. 4067, *G. H. Gibson, et al., v. Smoot Engineering Co.*

1,167,343. (See 1,166,758.)

1,172,808, 1,249,129, 1,336,570, Lathrop & Paulson, Can-washing machine; 1,247,692, same, Cover-applying mechanism for can-washing machines; 1,249,130, same, Feeding mechanism for can-washing machines; 1,396,516, C. F. McEwan, Can-washing machine; 1,578,451, same, Can-delivering mechanism, D. C., W. D. N. Y., Doc. 1140-F, *H. D. Lathrop v. Rice & Adams Corp.* Decree Sept. 19, 1929.

1,173,079, E. F. Alexanderson, Selective tuning system; 1,251,377, A. W. Hull, Method of and means for obtaining constant direct-current potentials; 1,313,094, I. Langmuir, System for amplifying variable currents, D. C., N. D. Ohio (E. Div.), Doc. 2692, *Radio Corp. of America, et al., v. The Sparks-Withington Co.* Discontinued without prejudice Sept. 19, 1929.

1,183,875, R. V. Hartley, Electrical circuit; 1,231,764, F. Lowenstein, Telephone relay; 1,349,252, H. D. Arnold, Method of and means for utilizing thermionic currents; 1,403,475, same, Vacuum-tube circuit; 1,432,022, R. A. Heising, Circuit connection of electron-discharge apparatus; 1,465,332, same, Vacuum-tube amplifier, D. C., N. D. Ohio (E. Div.), Doc. 2691, *Radio Corp. of America, et al., v. The Sparks-Withington Co.* Discontinued without prejudice Sept. 19, 1929.

1,231,764 (a). (See 1,183,875.)

1,231,764 (b), F. Lowenstein, Telephone relay; 1,493,217, R. C. Mathes, Vacuum-tube circuit, D. C., N. D. Ohio (W. Div.), Doc. E 1900, *Western Electric Co., Inc., et al., v. Silverphone Corp.* Decree pro confesso (notice Sept. 20, 1929).

1,247,419, N. D. Levin, Mining machine; 1,414,877, E. L. Hopkins, Mining apparatus, filed Sept. 18, 1929, D. C., S. D. Ohio (W. Div.), Doc. E 625, *The Jeffrey Mfg. Co. v. Oldroyd Machine Co.*

1,247,692. (See 1,172,808.) 1,249,129. (See 1,172,808.)

1,249,130. (See 1,172,808.) 1,251,377. (See 1,173,079.)

1,309,724. (See 1,405,773.) 1,313,094. (See 1,173,079.)

1,335,260. (See 1,058,107.) 1,336,570. (See 1,172,808.)

1,347,962. (See 1,172,808.) 1,349,252. (See 1,183,875.)

1,360,256, 1,528,178, E. Anderson, Can opener, D. C., S. D. Calif. (Los Angeles), Doc. E N-100-J, *Starr Can Opener Co. v. S. H. Kress & Co.* Patents sustained Sept. 17, 1929.

1,396,516. (See 1,172,808.) 1,403,475. (See 1,183,875.) 1,405,773, 1,309,724, Re. 15,502, 1,438,229, W. M. Folberth, Windshield-cleaning apparatus; 1,472,644, Folberth & Folberth, same, filed Aug. 27, 1929, D. C., N. D. Ill. (E. Div.), Doc. 9314, *Trico Products Corp. v. S. E. Clonick, et al.*

1,414,877. (See 1,247,419.) 1,432,022. (See 1,128,292 and 1,183,875.) 1,438,229. (See 1,405,773.)

1,442,439. R. C. Mathes, Vacuum-tube repeater; 1,448,550. H. D. Arnold, Thermionic amplifier circuit; 1,520,994. same, Electron discharge. D. C., N. D. Ohio (W. Div.), Doc. E 998, *Western Electric Co., Inc., v. Silverphone Corp.* Decree pro confesso (notice Sept. 20, 1929).

1,448,550. (See 1,442,439.)

1,457,285. J. K. Shaw, Wall board made from bagasse and analogous fibers; 1,501,925. same, Bagasse fiber and process of producing same; 1,532,084. same, Board composed of interlaced fiber; 1,544,042. same, Fiber board or felted interlaced fiber; 1,572,565. same, Process of making board from bagasse and analogous fiber, filed Aug. 26, 1929, D. C., N. D. Ill. (E. Div.), Doc. 9313, *The Celotex Co. v. Maizewood Products Corp.*

1,461,260. R. A. Blair, Rail anchor; 1,559,589. H. G. Warr, same, D. C., S. D. Calif. (Los Angeles), Doc. E P-69-M, *The P. & M. Co. v. J. A. Hyle, et al. (Swanson Rail Anchor Co.)*. Consent decree enjoining defendant Sept. 20, 1929.

1,465,332. (See 1,183,875.) 1,465,673. (See 1,480,255.)

1,469,596. J. W. Hoodwin, Tray, Des. 60,025. same, Ice-cream-cone tray, appeal filed Feb. 20, 1928, C. C. A., 3d Cir., Doc. 3795, *Datiger Corp. v. L. E. Evans (Evans Printing Co.)*

1,470,107. (See 1,058,107.) 1,471,763. (See Re. 14,977.) 1,472,644. (See 1,405,773.)

1,480,255. H. Friedl, Art of manufacturing ice; 1,527,640. same, Art of refrigerating gaseous fluids; 1,528,414. same, Ice-making apparatus; 1,465,673. O. Luhr, Art of dehydrating gaseous fluids; 1,481,844. 1,537,646. same, Art of manufacturing ice; 1,490,615. same, Ice-making apparatus, filed Aug. 16, 1929, D. C., N. D. Ill. (E. Div.), Doc. 9303, *G. Friedl v. Lincoln Ice Co., et al.*

1,481,844. (See 1,480,255.) 1,483,273. (See 1,128,292.) 1,490,615. (See 1,480,255.) 1,493,217. (See 1,231,764 (b).)

1,493,595. (See 1,128,292.) 1,501,925. (See 1,457,285.)

1,504,537. (See 1,128,292.) 1,520,994. (See 1,442,439.)

1,522,877. (See 1,166,758.) 1,527,640. (See 1,480,255.)

1,528,178. (See 1,380,256.) 1,528,414. (See 1,480,255.)

1,531,573. (See 1,058,107.) 1,532,084. (See 1,457,285.)

1,537,044. (See 1,166,758.) 1,537,646. (See 1,480,255.)

1,544,042. (See 1,457,285.) 1,544,943. (See 1,128,292.)

1,559,589. (See 1,461,260.) 1,572,565. (See 1,457,285.)

1,578,451. (See 1,172,808.) 1,582,648. (See 1,166,758.)

1,589,495. (See Re. 14,977.) 1,597,545. (See 1,058,107.)

1,660,215. 1,668,481. Ballou & Stafford, Shoe strap, D. C., S. D. N. Y., Doc. E 45/399, *B. A. Ballou & Co., Inc., v. J. Mazer et al. (Mazer Bros.)*. Consent decree for plaintiff Sept. 23, 1929.

1,668,481. (See 1,660,215.)

1,678,303. Re. 15,222. H. G. Rice, Bottle capper, filed Aug. 19, 1929, D. C., N. D. Ill. (E. Div.), Doc. 9305, *H. G. Rice v. The Fair*.

Re. 14,977. J. L. Wentz, Conveyor; 1,471,763. same, Elevating and positioning machine; 1,589,495. same, Mechanism for positioning truck bodies and the like, filed July 6, 1929, D. C., E. D. Pa., Doc. 5255, *Portable Machinery Co., Inc., v. Fanning-Schnett Engineering Co.* Same, filed Aug. 14, 1929, D. C., E. D. Pa., Doc. 5355, *Portable Machinery Co., Inc., v. Fanning-Schnett Engineering Co.*

Re. 15,502. (See 1,405,773.) Re. 15,222. (See 1,678,303.) Des. 60,025. (See 1,469,596.)

Changes in Classification

Order No. 3,135, November 5, 1929, directs:
In class 1, *Nailing and Stapling* (Division 11), establish the following subclass and definition:

Machines

3.1 Staple setting
3.1 Staple feeding.

3.1. MACHINES, STAPLE SETTING, STAPLE FEEDING. Miscellaneous devices not peculiar to any special kind of machine or implement but capable of general use for arranging loose staples for stapling machines or implements.

The patents contained in this subclass have been taken for the most part from class 1, *Nailing and Stapling*, subclass 3, *Machines, Staple setting, Magazine, and class 218, Button, Eyelet, and Rivet Setting*, subclass 2.1, *Machines, Riveting, Magazine, Feeding*.

In class 116, *Signals and Indicators* (Division 35), establish the following subclasses and definitions:

Indicators

Position

124.1 Radio

124.2 Rotating

124.3 Covered

124.4 Illuminated.

124.1. INDICATORS, POSITION, RADIO. Devices indicating the position of a radio tuning element.

124.2. INDICATORS, POSITION, RADIO, ROTATING. The indicating element is an uncovered rotating member.

124.3. INDICATORS, POSITION, RADIO, ROTATING, COVERED. The indicating element is a rotating member partly concealed by a casing.

124.4. INDICATORS, POSITION, RADIO, ROTATING, COVERED, ILLUMINATED. The exposed portion of the rotating member is artificially illuminated.

The patents contained in these subclasses have been taken for the most part from various subclasses in class 40, *Card, Picture, and Sign Exhibiting*, particularly subclasses 68, *Changeable exhibitors, Rotatable*, and 70, *Changeable exhibitors, Rotatable, Disk, and from class 116, Signals and Indicators, subclasses 124, Indicators, Position, 129, Indicators, Rotary, and 133, Indicators, Hand set, Rotary*.

Interference Notices

U. S. PATENT OFFICE, Washington, Oct. 25, 1929.

Harry Odell, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of William Emmett Shacklett, of 201 West Main Street, Louisville, Ky., for patent and patent granted August 25, 1926, No. 1,551,047, to Harry Odell, of Locust Street and Preston Road, Preston, Ky., and a notice of such declaration sent by registered mail to said Odell at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Odell, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 25, 1929.

Fay B. Duncan, doing business as Mar-Les Polish Co., his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Alfred Pests Company, 812 Belmont Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 4, 1926, No. 212,431, to Fay B. Duncan, doing business as Mar-Les Polish Co., at 617 Seventh Street, Hoquiam, Wash., and a notice of such declaration sent by registered mail to said Duncan at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Duncan, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 19, 1929

[Vol. 388. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 230,060. DR. HEINR. TRAUN & SÖHNE, VORMALS HARBURGER GUMMI-KAMM-COMPAGNIE, Hamburg, Germany. Filed Apr. 12, 1926.

Dr. Traun's
Dichtungsgummi
„Ideal“

No claim being made to the abbreviation "Dr." and the word "Dichtungsgummi" apart from the mark shown.

For Rubber in Sheet Form Used for Making Packing, Washers, and Similar Purposes.
Claims use since 1894.

Ser. No. 286,353. AMERICAN DIATOM COMPANY, Gloucester, N. J., and Philadelphia, Pa. Filed June 29, 1929.

INERTEEN

For Treated Diatomaceous Earth.
Claims use since May 1, 1928.

Ser. No. 286,354. AMERICAN DIATOM COMPANY, Gloucester, N. J., and Philadelphia, Pa. Filed June 29, 1929.

ISOLITE

For Treated Diatomaceous Earth.
Claims use since May 1, 1928.

Ser. No. 286,505. T. M. REID TENERIFFE ONION SEED COMPANY, Laredo, Tex. Filed July 2, 1929.

T. M. Reid

The name shown on the drawing is a facsimile of T. M. Reid's signature. T. M. Reid is the vice president of the applicant corporation.

For Onion Seed.
Claims use since June 4, 1929.

Ser. No. 289,368. FRED RUEPING LEATHER CO., Fond du Lac, Wis. Filed Sept. 5, 1929.



No claim is made to the exclusive appropriation of the words "Upper Leathers" apart from the mark as shown.

For Leather.
Claims use since May 3, 1929.

Ser. No. 289,514. GOLDBERG SEED & FEED COMPANY, Fargo, N. Dak. Filed Sept. 9, 1929.

SUPREME

For Field, Garden, and Vegetable Seeds.
Claims use since Dec. 20, 1928.

Ser. No. 289,568. BLACKWOOD COAL & COKE COMPANY, Philadelphia, Pa. Filed Sept. 10, 1929.



The trade-mark consists in a plurality of blue specks of irregular size on the surface of the lumps, no claim being made to the lump of coal per se.

For Coal.

Claims use since Aug. 31, 1929.

Ser. No. 290,004. W. P. BELL & COMPANY, Nashville, Tenn. Filed Sept. 20, 1929.



For Seed Grains Such as Rye, Oats, and Corn.
Claims use since Sept. 1, 1927.

CLASS 2

Receptacles

Ser. No. 289,948. STONE & FORSYTH COMPANY, Boston, Mass. Filed Sept. 18, 1929.

STONE

For Paper Bags.
Claims use since Mar. 12, 1923.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 288,681. EMIL WEISSBROD & SONS, Greenfield, Mass. Filed Aug. 17, 1929.

FLEX I FOLD

For Pocketbooks and Bill Folds.
Claims use since June 7, 1929.

Ser. No. 289,045. ROBBINS & STAUFERT, INC., Chicago, Ill. Filed Aug. 26, 1929.

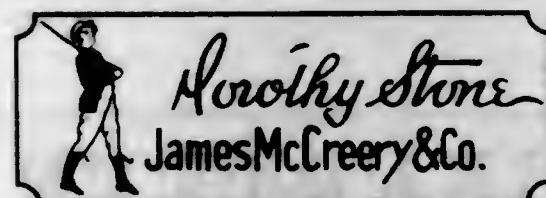


The words "Style, Quality," and "Service" are disclaimed apart from the mark as shown.

For Pocketbooks, Over-Night Cases, Leather Hand Bags, Vanity Cases, Purses, Flitted Cases, Silk Bags, and Silk Purses.

Claims use since on or about June 1, 1929.

Ser. No. 290,760. JAMES MCCREERY & COMPANY, New York, N. Y. Filed Oct. 7, 1929.



The name "Dorothy Stone" is the signature of the famous actress of that name, the daughter of the well-known actor Fred Stone.

For Hand Bags of Leather or Silk or Combinations Thereof.

Claims use since Feb. 20, 1928.

Ser. No. 290,976. ISIDOR SHIFFMAN, Brooklyn, N. Y. Filed Oct. 11, 1929.

KLINBAG

For Udder Protectors.
Claims use since Oct. 1, 1929.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 268,112. EUGENE C. PAILLER, doing business as The Silk Eze Company, Rutherford, N. J. Filed June 15, 1928.

SILK-EZE

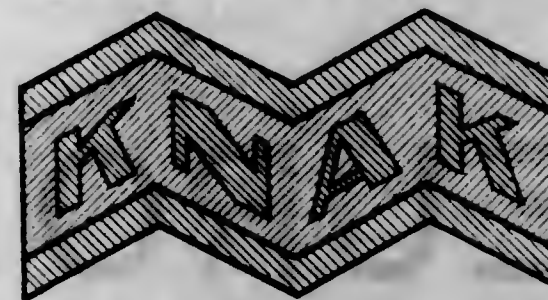
For Silk-Cleaning Compound in Powder Form.
Claims use since Apr. 15, 1927.

Ser. No. 286,940. KARLSRUHER PARFUMERIE- & TOILET-TESEIFEN-FABRIK F. WOLFF & SOHN G. M. B. H., Karlsruhe, Germany. Filed July 11, 1929.



No claim is made to the exclusive right to the use of the word "Pine" apart from the mark shown.
For Toilet Soap.
Claims use since December, 1908.

Ser. No. 289,056. ARTHUR A. WEISS, doing business as Knak Company, Cleveland, Ohio. Filed Aug. 26, 1929.



The drawing being lined for the colors green and purple.
For Dry-Cleaning Fluid.
Claims use since July 8, 1929.

Ser. No. 289,519. J. R. JACO, Doniphan, Mo. Filed Sept. 9, 1929.



The portrait shown in the drawing is a portrait of the applicant, the proprietor of this trade-mark.
For Metal Polish.

Claims use since May 1, 1929.

Ser. No. 289,539. WILLIAM G. REIGLE, Detroit, Mich. Filed Sept. 9, 1929.

MIPS

For Metal Polishes. Compounds for Removing Stains from Metals, Upholstery Cleaners.
Claims use since Aug. 14, 1929.

Ser. No. 289,594. JOHN P. RYAN, Lawrence, Mass. Filed Sept. 10, 1929.

DRESS PARADE

For Dressing for Cleaning and Renewing the Surface of Web Belts and Other Articles of Apparel Made of Woven Webbing, for Metal Polish and Metal-Polishing Cloth for Brass, Copper, Gold, Nickel, and Silver.
Claims use since June 15, 1929.

Ser. No. 289,909. URIS SALES CORPORATION, New York, N. Y. Filed Sept. 17, 1929.

BLAZES

For Metal-Polishing Cloths.
Claims use since about May 6, 1929.

Ser. No. 290,039. THE SPOTSILK COMPANY, Lamont, Okla.
Filed Sept. 20, 1929.



No claim is made to the words "Trade Mark Reg." appearing on the drawing apart from the mark shown.
For Dry-Cleaning Compound.
Claims use since Sept. 1, 1928.

CLASS 5

Adhesives

Ser. No. 286,224. CORK FLOOR PRODUCTS CO., Portland, Oreg. Filed June 27, 1929.

OUR OWN

For Waterproof Linoleum Cement, Adhesive Waterproof Cork-Tile Cement, Waterproof Rubber Cement, and Linoleum Paste.

Claims use since Feb. 29, 1928.

Ser. No. 286,945. FREDERICK E. MCCAIN, doing business as Skidnit Company, Detroit, Mich. Filed July 11, 1929.

SKIDNIT

For Adhesive Used in Golf, Bowling, Tennis, and Other Sports and Occupations Where the Hands are Used and a Sure Grip is Desirable.

Claims use since May 1, 1929.

Ser. No. 288,654. KARLSON'S-KLISTER CO. INC., Rockford, Ill. Filed Aug. 17, 1929.

Karlson's Klister

For Adhesive Cements.

Claims use since Apr. 29, 1929.

CLASS 6

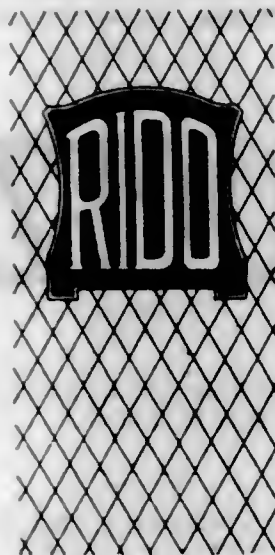
Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 277,713. N. V. POTASH EXPORT MAATSCHAPPIJ, New York, N. Y., and Amsterdam, Netherlands. Filed Jan. 8, 1929.

NV

For Potash for General Use.
Claims use since June 27, 1928.

Ser. No. 279,106. C. H. PAULIE, doing business as C. H. Paulie, Laboratories, Seymour, Wis. Filed Feb. 9, 1929.



For Medicinal Preparation for Treating Flies.
Claims use since July 1, 1928.

Ser. No. 280,980. ARLETTE, INC., Louisville, Ky. Filed Mar. 19, 1929.

Princess

For Solution for Use in Waving Hair.
Claims use since Nov. 15, 1928.

Ser. No. 281,557. ELTON R. GRAHAM, doing business as Graham Chemical Co., Detroit, Mich. Filed Mar. 29, 1929.

SURETAN

For Skin Ointment.
Claims use since Mar. 23, 1929.

Ser. No. 282,129. ELMER E. OLSON, Pomeroy, Iowa. Filed Apr. 9, 1929.

EURO

For Preparation for the Treatment of Diseases of Poultry Resulting in Paralysis.
Claims use since Mar. 15, 1929.

Ser. No. 283,368. ELIZA M. BERGERON, Ludlow, Mass. Filed May 2, 1929.



The essential features of the mark consist of the words "Golden Rod" and a portrait of Catherine F. Fortin (now deceased), the original owner, arranged as shown.

For a Medicine for La Grippe and Aches and Pains.

Claims use since on or about Apr. 1, 1893.

Ser. No. 284,068. J. L. HOPKINS & Co., New York, N. Y. Filed May 15, 1929.

SEED-O-LAX

For Vegetable Laxative.

Claims use since May 6, 1929.

Ser. No. 285,155. THE ICHTHYOL CO., Rahway, N. J. Filed June 6, 1929.

ICHTHYOL

For Medicinal Solution and Pharmaceutical Preparation Comprising Hydrocarbons Containing Sulphur Derived from a Mineral Shale Found near Seefeld in the Tyrol.

Claims use since 1884.

Ser. No. 286,730. AKTIENGESELLSCHAFT HOMMEL'S HAEMATOGEN, Zurich, Switzerland. Filed July 8, 1929.



All wording with the exception of the name "Dr. Ad. Hommel's" being disclaimed apart from the mark shown on the drawing.

For Blood-Forming and Blood-Invigorating Preparation.
Claims use since Nov. 5, 1901.

Ser. No. 286,734. JOSÉ BARREIRA, Madrid, Spain. Filed July 8, 1929.



For Brilliantines.

Claims use since Oct. 19, 1925.

Ser. No. 286,735. JOSÉ BARREIRA, Madrid, Spain. Filed July 8, 1929.



Applicant disclaims all wording apart from the mark as shown on the drawing.

For Brilliantines.

Claims use since Oct. 13, 1914.

Ser. No. 287,744. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany. Filed July 27, 1929.

Vanillose

For Perfumes and Essential Oils.
Claims use since about March, 1929.

Ser. No. 288,529. WEINBERGER DRUG STORES, INC., Cleveland, Ohio. Filed Aug. 14, 1929.

**Superior
Laboratories**

For Eczema Lotions, Emulsion of Cod-Liver Oil, Insecticides, Syrup of Hypophosphite, Laxative Preparations, Stomach Tonic, an Antiseptic and Deodorant; a Preparation for the Relief of Tired, Aching, Swollen, and Inflamed Feet; Analgesic Liniment, Aspirin, Lemon Cream, Cold Cream, Foot Powder, Skin Salve, Vanishing Cream, Diuretic Capsules, Cinchophen (Acid, Phenylcinch U. S. P.), Rheumatic Capsules, Hemorrhoidal Suppositories, Camphorated Oil, Spirits of Camphor, Sweet Spirits of Nitre, Oil of Wintergreen, Oil of Citronella, Oil of Eucalyptus, Essence Peppermint, Spirits Ammonia, Castor Oil, Glycerine, a Preparation for Chapped Hands, Casara Sagrada, Spirits of Turpentine, Rose Water.

Claims use since June 26, 1929.

Ser. No. 288,612. ROBERT ALLEN GAMBLE, Petersburg, Va. Filed Aug. 16, 1929.

RED KAP

For Liver Pills.
Claims use since Jan. 1, 1906.

Ser. No. 288,810. KLEINBERG BROS., doing business as Bronx Battery Service Station, New York, N. Y. Filed Aug. 21, 1929.

PROTECTO

For Anticorrosion Devices Comprising Pan-Shaped Holding Means with Oil-Saturated Felt Placed Therein, the Pan Being Placed Around Terminals of a Battery.
Claims use since June 1, 1929.

Ser. No. 288,871. SAMUEL RUGOF, doing business as Payno Drug Co., New York, N. Y. Filed Aug. 22, 1929.

PAYNO

For Neuralgia, Headache, Menstrual Pain, and Nerve Sedative Preparations in the Form of Tablets.
Claims use since Jan. 8, 1928.

Ser. No. 289,227. WALTER L. COLQUITT, doing business as H. H. Toilettries Co., Baltimore, Md. Filed Aug. 31, 1929.

**HANSOM
HANDY**

toilettries

Applicant disclaims the word "Toilettries" apart from the mark as shown on the drawing.

For After-Shaving Cream, Lotion, Massage Cream and Toilet Powder.

Claims use since Aug. 29, 1929.

Ser. No. 289,333. HELEN E. BISITOP, doing business as The Pilgren Company, New York, N. Y. Filed Sept. 5, 1929.

Pilgrens

For Tonic Laxative Tablets.
Claims use since July 18, 1929.

Ser. No. 289,509. COTY, INC., Wilmington, Del., and New York, N. Y. Filed Sept. 9, 1929.

CULTURISTE

For Cleansing Cream, Liquid Tonic for the Skin, Tissue Cream, Astringent Lotion, Toilet Water, Beauty Cream, Skin and Hand Lotion.

Claims use since Aug. 8, 1929.

Ser. No. 289,576. THE DURO MANUFACTURING CO., INC., New Haven, Conn. Filed Sept. 10, 1929.

DUR-O-LITE

For Nonliquid Fuel for Cigar and Cigarette Lighters.
Claims use since May 1, 1929.

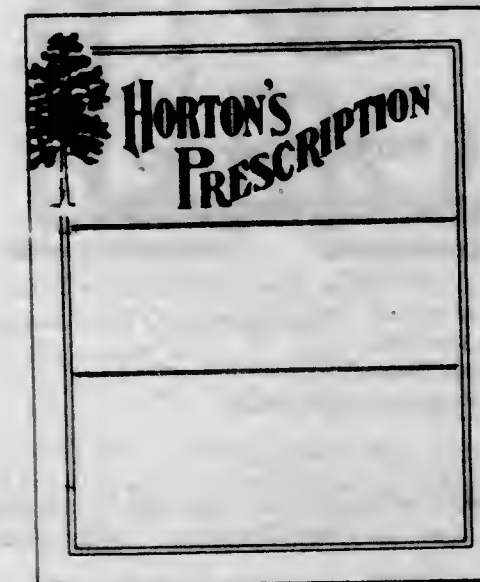
Ser. No. 289,661. FRANK P. BENJAMIN, doing business as The Vapro Company, Scranton, Pa. Filed Sept. 12, 1929.

PINE OINT

For Medicinal Ointment for the Treatment of Sprains, Colds, Spasmodic Croup, Neuralgia, Lumbago, Congestion, and Inflammation.

Claims use since June 18, 1929.

Ser. No. 289,679. WILLIAM JOSHUA HORTON, Raleigh, N. C. Filed Sept. 12, 1929.



No claim is made to the word "Prescription."
For Preparation for the Treatment of Tuberculosis and Lung Affection.

Claims use since June 15, 1929.

Ser. No. 289,729. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.

Filene's

For Iodine Pencils, Disinfectants, Bay Rum, Rubbing Alcohol, Glycerin and Rose Water, Witch-Hazel, Peroxide, Deodorants, Epsom Salts, Perfumes, Face Creams, Face Powders, Rouge, Lip Sticks, Tooth Pastes, Face Lotions, Talc, Bath Salts, Dusting Powders, Foot Preparations, Hair Preparations, Boric Solution.

Claims use since Jan. 1, 1928.

Ser. No. 289,830. EARL RAYMOND HARFORD, doing business as Bond Chemical Co., Middletown, N. Y. Filed Sept. 16, 1929.

BOND

For Disinfectant and Germicide.
Claims use since May 15, 1928.

Ser. No. 289,932. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed Sept. 18, 1929.

SULFODERM

For Cosmetics, Toilet and Dermatological Preparations—Namely, Toilet Creams, Medicated Cream for the Skin, Skin Balm, Lotions, Alcoholic Lotions, Face Powder, Skin Whitener, Deodorants, Hair Tonic, Scalp Ointment, Sulphur Salve, Dandruff Salve, Shampoo.

Claims use since Sept. 1, 1929.

Ser. No. 289,934. KUTTROFF, PICKHARDT & Co., INC., New York, N. Y. Filed Sept. 18, 1929.

PLASTOFLEX

For Plasticizer for Cellulose Products.
Claims use since Aug. 13, 1929.

Ser. No. 290,008. CAMPBELL-WASHBURN CHEMICAL CO., New York, N. Y. Filed Sept. 20, 1929.

WONDER WAND

For Composition for Removing Stains from the Skin.
Claims use since Sept. 6, 1929.

Ser. No. 290,065. EDWARD GEORGE HAMES, doing business as Cho-Co Aspirin Co., St. Paul, Minn., and Chicago, Ill. Filed Sept. 21, 1929.

Cho-Co Aspirin

No claim is made to the word "Aspirin" apart from the mark as shown.
For Chocolate-Covered Aspirin.

Claims use since June 28, 1929.

Ser. No. 290,262. WILLIAM F. MACCONNELL, doing business as Wilmaek Laboratories, Cincinnati, Ohio. Filed Sept. 26, 1929.

Bi-co-late

For Medicine Tablets for Use in Cleansing the Liver and Gall Bladder.
Claims use since July 1, 1928.

Ser. No. 290,278. OTTO J. TEMPLIN, doing business as The Verno Company, Milwaukee, Wis. Filed Sept. 26, 1929.

Health-o-retts

For Troche or Tablet Prepared Specially for Dyspepsia, Indigestion, Nervousness, Anemia, Rheumatism, Billousness, Sour Stomach, Bad Breath, Chronic and Habitual Constipation and All Diseases Traceable to a Disordered Stomach, Inactive Kidneys, Torpid Liver, and the Bad Condition of the Blood.

Claims use since Aug. 15, 1908.

Ser. No. 290,299. L. HAMBERGER & Co., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Liquid Antiseptics and Disinfectants, Bath Salts, Hair Bleach, Laundry Blue; Cosmetics—Namely, Face Powder, Cleansing Cream, Skin Lotions, Rouges, Perfumes, Toilet Water, Cold Cream, Vanishing Cream, Hair Tonic, Reducing Cream, Lip Sticks, Nail Polish, Chemical Cuticle Remover, Dentifrices, Deodorant, Hair Restorer, Incense, Insecticide, a Composition of Mud or Clay and Chemicals Known as a Mud Pack and Used for Beautifying One's Complexion, Lye, Caustic Soda, Hair Pomade, Preparations for Treatment of Hair and Scalp, Chemical Rust Remover and Cleaner, Sachets for Wave-Setting, Preparations, Table Salt, Shampoo, Baking Soda, Talcum Powder, Vermifuge, Water Softener, Witch-Hazel, Castor Oil.

Claims use since July, 1924.

Ser. No. 290,316. JOHN F. LALLA COMPANY, Chicago, Ill. Filed Sept. 27, 1929.

Blackstone



No claim is made herein to the name "Blackstone" apart from the mark shown in the drawing.

For Salt.

Claims use since Sept. 26, 1928.

Ser. No. 290,346. EDROS NATURAL HEALTH INST., INC., New York, N. Y. Filed Sept. 28, 1929.

EDROLAX

For Nonmed'cinal Laxatives.
Claims use since Jan. 2, 1929.

Ser. No. 290,775. MILTON S. BAKERMAN, doing business as Dr. Marvin's Laboratory, Philadelphia, Pa. Filed Oct. 8, 1929.



The words "Quick-Acting Rheumatic Tablets" and "Laboratory" are disclaimed. The drawing is lined for orange. The picture is fanciful.

For Rheumatic Tablets.

Claims use since Sept. 23, 1929.

Ser. No. 290,800. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Oct. 8, 1929.

FLAMO

For Gas for Illuminating Purposes, Gas for Fuel Purposes, Gas for Heating Purposes, Petroleum Gas, Liquefied Petroleum Gas.

Claims use since Aug. 19, 1929.

Ser. No. 290,817. MICHAEL BUNGARZAN, Cleveland, Ohio. Filed Oct. 9, 1929.

ALBINA



The picture forming a part of the mark is that of the applicant, the originator and manufacturer of the preparation.

For Healing Salve for the Treatment of Sores, Cuts, Bruises, Eczema, and Skin Troubles.

Claims use since September, 1929.

CLASS 12

Construction Materials

Ser. No. 273,990. THE UTAH ROCK ASPHALT CORPORATION, Pueblo, Colo. Filed Oct. 18, 1928.

URAC

For Rock Asphalt.
Claims use since April, 1928.

Ser. No. 282,775. DAVY FUEL & SUPPLY COMPANY, Detroit, Mich. Filed Apr. 22, 1929.

BLIND RIVER

For Wood Lath.
Claims use since Apr. 1, 1928.

Ser. No. 285,705. BRASCO MANUFACTURING COMPANY, Chicago, Ill. Filed June 17, 1929.

PERMAWITE

For Metal Store-Front Sash, Metal Jambs, Transoms, Metal Sills, Metal Bulkheads, Awning-Bar Covers, Soffit Covers, Metal Corner Bars, Metal Reverse Corner Bars, Division Bars, 3-way Bars.

Claims use since about Feb. 1, 1929.

Ser. No. 286,688. WILLIAM W. LILLARD, New York, N. Y. Filed July 6, 1929.

SACKONCRETE

For Concrete Mixtures Consisting of Proportioned Sand, Rock, and Cement, and Pointed, Flanged Tie Rods for Use in Connection with Concrete or Similar Aggregates.

Claims use since June 1, 1928.

Ser. No. 287,479. ISAAC LAZARUS, Arverne, N. Y. Filed July 22, 1929.



For Cementitious Compound for Walls.
Claims use since Jan. 1, 1928.

Ser. No. 290,890. DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Oct. 10, 1929.

ENTOPITUIT-OL

For Solution of the Whole Pituitary Body Designed for Use in Impaired Conditions of the Pituitary Gland.

Claims use since Sept. 1, 1929.

Ser. No. 290,891. EDMOND LABORATORIES, INC., Philadelphia, Pa. Filed Oct. 10, 1929.

Edmol

For Hair-Coloring Compounds.
Claims use since Aug. 19, 1929.

Ser. No. 290,903. J. O. HENDRICKSON, doing business as Lena-May's Laboratories, Shawnee, Okla. Filed Oct. 10, 1929.

LENA-MAY'S

For Cold Cream and Hand Bleach.
Claims use since May 15, 1929.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 290,680. H. A. BERNHARDT, INC., Chicago, Ill. Filed Oct. 5, 1929.

SMOKURN

For Sanitary Ash Receivers.
Claims use since March, 1929.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 273,185. COLT'S PATENT FIRE ARMS MANUFACTURING CO., Hartford, Conn. Filed Oct. 1, 1928.

DETECTIVE SPECIAL

No claim is made to the word "Special" apart from the mark as shown.

For Revolvers.

Claims use since about Jan. 6, 1926.

888 O. G.—86

Ser. No. 289,168. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Aug. 29, 1929.



The drawing is lined for red and the trade-mark consists of a red band or red stripe extending across the goods to which it is applied.

For Plastic Wall-Coating Materials, Wall-Board, Plaster Board, Building Paper, Insulating Paper, Metal Reinforcement, Cement Plaster, Lime, and Plaster.

Claims use since 1900 on plastic wall-coating materials, since 1921 on wall board, plaster board, building paper, and insulating paper; since Jan. 24, 1929, on metal reinforcement; since March, 1922, on cement plaster and plaster; and since November, 1927, on lime.

Ser. No. 289,367. RED-D-PLY MANUFACTURING COMPANY, St. Louis, Mo. Filed Sept. 5, 1929.

Red-D-Ply

In the drawing the "D" is lined to indicate red. No claim is made to the representation of the goods.

For Weather Strips, Including Metal Weather Strips, Felt Weather Strips, Rubber Weather Strips, and Composite Weather Strips.

Claims use since Oct. 4, 1928.

Ser. No. 289,504. CHICAGO MILL AND LUMBER CORPORATION, Chicago, Ill. Filed Sept. 9, 1929.

Weatherwood

INSULATES AGAINST UNFRIENDLY WEATHER

The words "Insulates Against Unfriendly Weather" are disclaimed apart from the mark as shown.

For Fibre Boards in Sheet Form to be Used as Insulating Board and/or Wall Board and as a Substitute for Wood, Metal, or Other Construction Materials.

Claims use since on or about Aug. 5, 1929.

Ser. No. 289,505. CHICAGO MILL AND LUMBER CORPORATION, Chicago, Ill. Filed Sept. 9, 1929.



For Fibre Boards in Sheet Form to be Used as Insulating Board and/or Wall Board and as a Substitute for Wood, Metal, or Other Construction Materials.

Claims use since on or about Aug. 5, 1929.

Ser. No. 289,538. WM. H. RANKIN COMPANY, Chicago, Ill. Filed Sept. 9, 1929.

Weatherwood

INSULATES AGAINST UNFRIENDLY WEATHER

The words "Insulates Against Unfriendly Weather" do not form a part of the registration sought apart from the trade-mark shown in the drawing.

For Building Materials—Namely, Fiber Insulating Boards.

Claims use since about Apr. 1, 1929.

Ser. No. 289,673. FOLDING PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 12, 1929.

FOL-DEC

For Extensible Curtains, Comprising an Extensible Frame Covered with Decorative Fabric or Other Sound-Insulating Material and Adapted to be Used as Doors or Partitions for Separating a Large Room into Small Rooms.

Claims use since June 1, 1929.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 284,669. JAMES H. BOYE MANUFACTURING CO., Chicago, Ill. Filed May 27, 1929.

BOYEMACO

For Metal Clothes-Closet Poles or Hanger Fixtures.

Claims use since Nov. 1, 1922.

Ser. No. 289,480. SIMMONS HARDWARE COMPANY, St. Louis, Mo. Filed Sept. 7, 1929.



No claim being made to the exclusive use of the word "Ivory" apart from the mark as shown on the drawing.

For Enamel Ware—Namely, Pudding Pans, Dish Pans, Washbasins, Mixing Bowls, Sink Strainers, Comblines, Teakettles, Convex Kettles, Coffee-pots, Teapots, Rice Boilers, Saucepans, Windsor Dippers, and Percolators.

Claims use since Aug. 2, 1929.

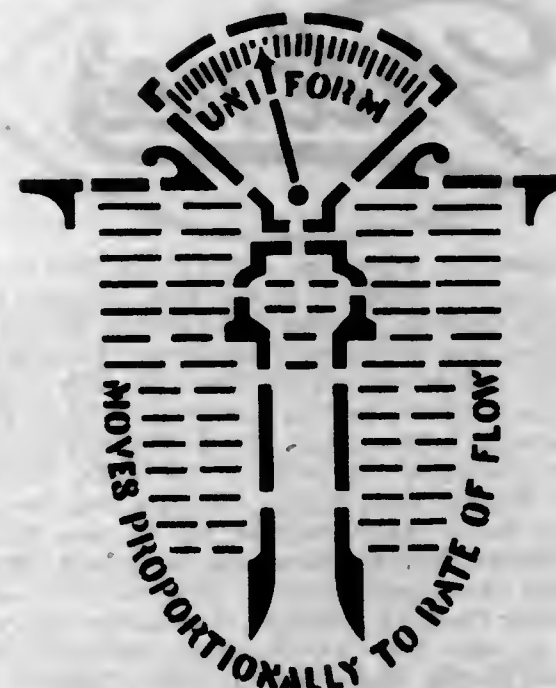
Ser. No. 289,533. NORTHFIELD IRON COMPANY, Northfield, Minn. Filed Sept. 9, 1929.

"BLIZZARD BUSTER"

For Pressed-Steel Snow Fence.

Claims use since Jan. 3, 1928.

Ser. No. 289,547. SIMPLEX VALVE AND METER COMPANY, Philadelphia, Pa. Filed Sept. 9, 1929.



No claim is made for registration under the statute of the words "Moves Proportionately to Rate of Flow" aside from the mark shown.

For Air-Release Valves, Vacuum Valves, Rate-of-Flow Controllers, Automatic Shut-Off Controllers, Filter-Wash-Rate Controllers, Special Flow Controllers, Control Devices for Pressure Filter Units.

Claims use since July 26, 1928.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 286,552. CONTINENTAL STEEL CORPORATION, Kokomo and Indianapolis, Ind., and Canton, Ohio. Filed July 3, 1929.

CONTINENTAL

For Rolled Steel in Various Forms and Finishes Comprising Sheet Steel in Black, Galvanized, Blue Annealed, Muffle Annealed, Painted, and Other Finishes, and Wire, Plain and Galvanized.

Claims use since June 5, 1929.

Ser. No. 290,554. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y. Filed Oct. 3, 1929.

AIRDI

For Air-Hardening Tool Steel.

Claims use since Mar. 25, 1929.

CLASS 16

Paints and Painters' Materials

Ser. No. 272,328. FORD MOTOR COMPANY, Fordson, Mich. Filed Sept. 13, 1928.

Ford

Applicant is the owner of registered Trade-Marks No. 74,530, No. 74,765, and No. 115,500.

For Paste and Ready-Mixed Paints, Paint Enamels, Varnishes, and Automobile Polishes.

Claims use since January, 1918, on paints; since Apr. 19, 1924, on enamels; since Apr. 1, 1923, on varnishes; and since Apr. 1, 1925, on polishes.

Ser. No. 285,811. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill. Filed June 19, 1929.



For Dry Paint Colors, Ready-Mixed Paints, Colors Ground in Oil, Wood Fillers, Varnishes, House Paints, Barn Paints, Paint Enamels.

Claims use since Apr. 16, 1928.

Ser. No. 285,512. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill. Filed June 19, 1929.



For Liquid Paint, Paste Paints, House Paints, Floor Paints, Graphite Paints, Flat Paints, Carriage Paints, Automobile Paints, Blackboard-Slating Paints, Paint Enamels, Calcimine, Wood Stains, Wood Fillers, Putty, Machinery Paint, Colors Ground in Oil, Colors Ground in Japan, Varnishes, Water Putty, Floor Wax, Dry Paint Colors, Linseed Oil, White Lead.

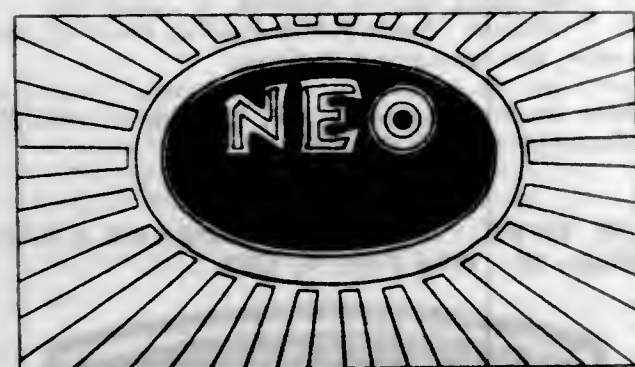
Claims use since Sept. 1, 1919.

Ser. No. 289,423. STANDARD VARNISH WORKS, New York, N. Y. Filed Sept. 6, 1929.

KOVERSEAL

Applicant is the owner of registered Trade-Marks No. 135,077, No. 147,170, and No. 203,230. For Enamel Paints. Claims use since July 1, 1929.

Ser. No. 289,593. GORDON REID, doing business as The Neo Laboratories, Auburn, N. H. Filed Sept. 10, 1929.



For Automobile and Furniture Polish. Claims use since Apr. 1, 1929.

Ser. No. 290,419. THE MARTIN-SENOUR COMPANY, Cleveland, Ohio. Filed Sept. 30, 1929.

GLOS-TONE

For Paints (Ready-Mixed, Paste Form, and Dry). Paint Enamels, Lacquers, Japans, Varnishes, Stains, and Fillers. Claims use since Aug. 12, 1926.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 289,634. LUCIUS B. MANNING, Chicago, Ill. Filed Sept. 11, 1929.

CEALINER

For Airplanes. Claims use since on or about Aug. 24, 1928.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 284,985. KIDDY BRUSH & TOY CO., Bryan, Ohio. Filed June 3, 1929.

The LITTLE HOUSEKEEPER

For Toy House-Cleaning Set—Namely, Dustpan, Dust Mop, Floor Brush, Broom, and Carpet Sweeper. Claims use since Jan. 1, 1929.

Ser. No. 289,722. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended in 1920.

Filene's

For Implements, Apparatus, and Articles Used in Tennis, Golf, Squash, Handball, Basket Ball, Baseball, Football, Boxing, Coasting, Skating, Tobogganing, Hockey and Field Hockey, and in Playing Card Games (Including All Implements, Apparatus, and Articles Commonly Used in Such Sports or Games, but Not Including Clothing, Shoes, or Bandages); Rubber Beach Toys, Celluloid Floating Toys, Toy Furniture, Toy Soldiers, Toy Guns, Construction Toys, Wooden Toys, Puzzles, Cut-Outs, Toy Counters, Toy Banks, Roller Skates, Marbles, Toy Harness, Swings, Croquet, Rattles, Rowing Exercisers, Faro, Dice, Archery Sets, Kiddie Cars, Automobiles for Children, Toy Lathes, Toy Jig Saws, Checkers, Dominoes; Gymnasium Apparatus, Meaning by Such Term Parallel Bars, Horizontal Bars, Dumb-Bells, Indian Clubs, Wands, Chest Weights, and Medicine Balls Used in Gymnasiums; Dolls, Dolls' Clothes, Dolls' Houses, Dolls' Furniture, Doll Carriages; Toy Luggage, Furniture, and Household Goods; Toy Sailboats, Toy Music Boxes, Toy Musical Instruments, Toy Kites, Toy Stuffed Imitation Animals, Tops, Toy Cars and Engines, Mechanical Toys, Children's Toy Shovels and Toy Pails, Hammocks; Children's Toy Wheelbarrows, Carts, and Wagons; Velocipedes.

Claims use since Jan. 1, 1928.

Ser. No. 289,888. ENO RUBBER CORPORATION, Los Angeles, Calif. Filed Sept. 17, 1929.



No claim being made to the word "Tip" apart from the mark shown. For Rubber Golf-Stick Tips. Claims use since about July 28, 1929.

Ser. No. 290,056. EDWARD L. CRUSIUS, Interlaken, N. J. Filed Sept. 21, 1929.

CHIP-PUTT

For Miniature Golf Courses and Paraphernalia Therefor, Such as Artificial Turf, Hazard Devices, Golf-Ball Cups, Golf Clubs, Golf Balls, Artificial Putting Greens, and Artificial Tees. Claims use since Feb. 5, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 264,333. THE THOMAS MANUFACTURING COMPANY, Springfield, Ohio. Filed Apr. 4, 1928.



The lining applied to the handle design of the drawing indicates red. Applicant disclaims the words "Red Handle" and the representation of a handle apart from the mark as shown.

For Lawn Mowers. Claims use since Mar. 20, 1928.

Ser. No. 284,881. UNITED CONVEYOR CORPORATION, Chicago, Ill. Filed May 31, 1929.

NUVEYOR

For Pneumatic Conveyors and Conveying Systems Comprising a System of Pipes Forming a Conduit and Mechanism Operable to Create a Suction Through the Pipes for Conveying Ash and Similar Comminuted Material. Claims use since April, 1926.

Ser. No. 284,882. UNITED CONVEYOR CORPORATION, Chicago, Ill. Filed May 31, 1929.

STEAMATIC

For Pneumatic Conveyors and Conveying System Comprising a System of Pipes Forming a Conduit and Mechanism Operable to Create a Suction Through the Pipes for Conveying Ash and Similar Comminuted Material. Claims use since April, 1928.

Ser. No. 285,893. SOC. ANON. OFFICINE DI VILLAR PEROSA, Turin, Italy. Filed June 20, 1929.

O.V.P

For Ball Bearings and Roller Bearings. Claims use since Jan. 1, 1912.

Ser. No. 289,293. ST. LOUIS TOOL AND MFG. CO., St. Louis, Mo. Filed Sept. 3, 1929.



No exclusive claim being made to the words "St. Louis, Mo., U. S. A." apart from the mark shown. For Reamers and Cylinder-Boring Tools. Claims use since Aug. 1, 1929.

Ser. No. 289,372. THE SIMMONS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Sept. 5, 1929.

Simmons

For Engine Mufflers and Spare Parts. Claims use since on or about December, 1918.

Ser. No. 290,644. AKTIENGESellschaft FORM. SEIDEL & NAUMANN, Dresden, Germany. Filed Oct. 4, 1929.

Bijou

For Typewriters. Claims use since Apr. 25, 1910.

Ser. No. 290,725. VICTOR RING TRAVELER COMPANY, Providence, R. I. Filed Oct. 5, 1929.

VICTOR

For Ring Travelers. Claims use since April, 1899.

Ser. No. 290,768. VICTOR RING TRAVELER COMPANY, Providence, R. I. Filed Oct. 7, 1929.



For Ring Travelers.
Claims use since April, 1899.

Ser. No. 290,829. ALBERT B. GEEBEN, doing business as Handy Mandy Products Co., Blue Island, Ill. Filed Oct. 9, 1929.

HANDY MANDY

For Can Openers and Holders, and Bottle Openers.
Claims use since July 1, 1929.

Ser. No. 290,989. AMERICAN ROAD MACHINERY COMPANY, Kennett Square, Pa. Filed Oct. 12, 1929.

CRUSHERMOBILE

For Mobile Gravel-Crushing Plants.
Claims use since Apr. 23, 1929.

CLASS 24

Laundry Appliances and Machines

Ser. No. 289,967. DUETTE MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 19, 1929.

The DUETTE

For Dry-Cleaning and Laundry Washing Machines.
Claims use since Apr. 20, 1929.

CLASS 27

Horological Instruments

Ser. No. 289,925. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Sept. 18, 1929.

SECOMETER

For Watch Dials.
Claims use since July 2, 1929.

Ser. No. 290,081. PARK WATCH IMPORT CO. INC., Buffalo, N. Y. Filed Sept. 21, 1929.

PARK

For Watches.
Claims use since October, 1923.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 290,063. FLETCHER C. GALE, doing business as San-I-Ti Tooth Brush Co., Poncaire, Okla. Filed Sept. 21, 1929.

SAN-I-TI

For Toothbrushes.
Claims use since 1921.

Ser. No. 290,251. HANLON & GOODMAN CO., Belleville, N. J. Filed Sept. 26, 1929.

BALANCE D

For Paintbrushes, Varnish Brushes, Wall Brushes, Whitewash Brushes, Kalsomine Brushes, Artists' Brushes, Roof Brushes, Floor Brushes and Counter Dusters, Paste Brushes, Plasterers' Brushes, Billposters' Brushes, and Paper-Hangers' Brushes.
Claims use since about Sept. 10, 1929.

CLASS 31

Filters and Refrigerators

Ser. No. 289,733. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929.



For Refrigerators.
Claims use since Jan. 1, 1928.

CLASS 32

Furniture and Upholstery

Ser. No. 289,638. METAL STAMPINGS CORPORATION, Streator, Ill. Filed Sept. 11, 1929.



For Combined Smoking Stand and Humidor in the Nature of a Permanent Piece of Furniture.
Claims use since May 20, 1929.

Ser. No. 291,006. THE HOOSIER MANUFACTURING COMPANY, New Castle, Ind. Filed Oct. 12, 1929.



For Dining Tables.
Claims use since July 17, 1929.

CLASS 33

Glassware

Ser. No. 277,695. CRISTALLERIES DE CHOISY LE ROI ET DE LYON, Choisy-le-Roi, France. Filed Jan. 8, 1929.



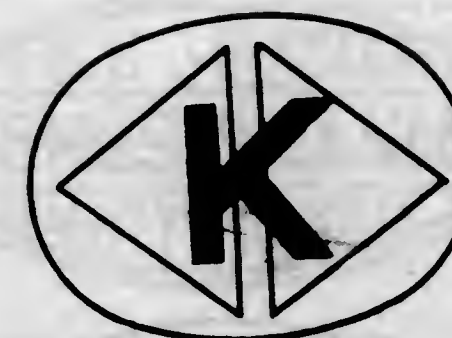
The word "France" and the representation of the tumbler in so far as it relates to tableware, appearing on the drawing, are disclaimed apart from the mark shown.
For Tableware and Perfume Flasks and Bottles of Glass and Crystals.
Claims use since June 2, 1918.

Ser. No. 290,948. IRA GUILDEN, New York, N. Y. Filed Oct. 11, 1929.



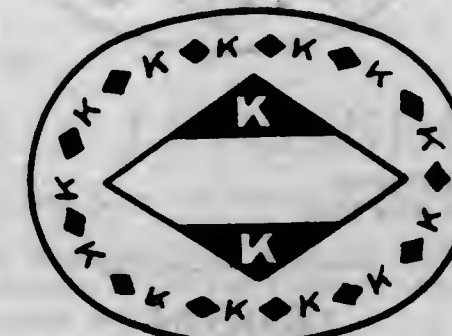
For Watch Crystals.
Claims use since 1925.

Ser. No. 290,952. KONISHI KOTAKUDO COMPANY, INC., New York, N. Y. Filed Oct. 11, 1929.



For Watch Crystals.
Claims use since 1919.

Ser. No. 290,953. KONISHI KOTAKUDO COMPANY, INC., New York, N. Y. Filed Oct. 11, 1929.



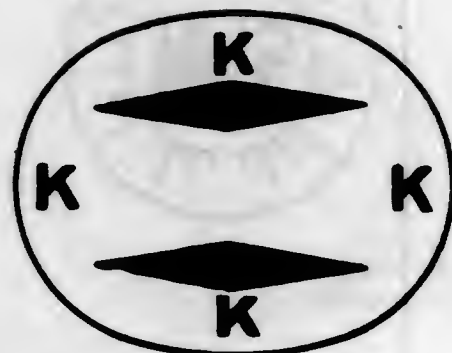
For Watch Crystals.
Claims use since 1924.

Ser. No. 290,954. KONISHI KOTAKUDO COMPANY, INC., New York, N. Y. Filed Oct. 11, 1929.



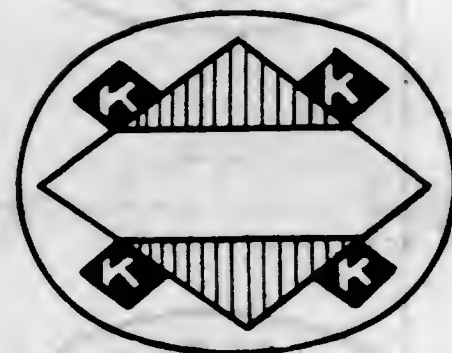
For Watch Crystals.
Claims use since 1919.

Ser. No. 290,955. KONISHI KOTAKUDO COMPANY, INC.,
New York, N. Y. Filed Oct. 11, 1929.



For Watch Crystals.
Claims use since 1921.

Ser. No. 290,956. KONISHI KOTAKUDO COMPANY, INC.,
New York, N. Y. Filed Oct. 11, 1929.



For Watch Crystals.
Claims use since 1924.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not
Including Electrical Apparatus

Ser. No. 289,584. GREAT WESTERN STOVE COMPANY,
Leavenworth, Kans. Filed Sept. 10, 1929.

GASTROLUX

For Gas Appliances—Namely, Gas Ranges and Gas
Ranges Equipped with Fireless Cooking Devices.
Claims use since Jan. 15, 1929.

Ser. No. 289,836. PHOENIX DETROIT BURNER CORPORATION,
Detroit, Mich. Filed Sept. 16, 1929.



No claim is made to the word "Detroit" apart from the
mark as shown.
For Oil Burners.
Claims use since Mar. 16, 1929.

CLASS 35

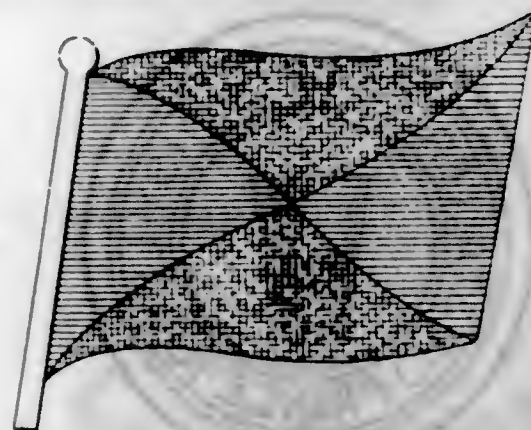
Belting, Hose, Machinery Packing, and Non-
metallic Tires

Ser. No. 282,499. SLADE ARBESTOS CORPORATION, New
York, N. Y. Filed Apr. 16, 1929.

MOLDWEAV

For Brake Lining.
Claims use since on or about Mar. 6, 1929.

Ser. No. 288,594. THE GOODYEAR TIRE & RUBBER COM-
PANY, Akron, Ohio. Filed Aug. 16, 1929.



The line shading in the drawing indicates the colors
blue and gold.
For Pneumatic, Cushion, and Solid Tires Constructed
Wholly or Partly of Rubber for Use on Motor Cars, Motor
Trucks, Motor Cycles, Bicycles, Airplanes, Carriages, Wheel-
barrows, and Other Vehicles; Treads, Tire Shoes and Inner
Tubes Therefor; Rubber Nonskid Devices for Vehicle Tires,

Inside Tire Protectors, Outside Tire Protectors, Portable
Tire and Tube Repair Outfits, Repair Patches and Band-
ages, Rubber and/or Rubber and Fabric Hose and Tubing
of All Kinds, Rubber and/or Rubber and Fabric Belting
of All Kinds, and Machinery Packing.

Claims use since Apr. 19, 1929, as to pneumatic, cushion,
and solid tires and parts and accessories therefor; since
July 10, 1929, as to rubber and/or rubber fabric, hose, and
tubing; since July 7, 1929, as to rubber and/or rubber and
fabric belting; and since July 20, 1929, as to machinery
packing.

Ser. No. 288,595. THE GOODYEAR TIRE & RUBBER COM-
PANY, Akron, Ohio. Filed Aug. 16, 1929.



The line shading in the drawing indicates the colors
blue and gold.

For Pneumatic, Cushion, and Solid Tires Constructed
Wholly or Partly of Rubber for Use on Motor Cars, Motor
Trucks, Motor Cycles, Bicycles, Airplanes, Carriages,
Wheelbarrows, and Other Vehicles; Treads, Tire Shoes,
and Inner Tubes Therefor; Rubber Nonskid Devices for
Vehicle Tires, Inside Tire Protectors, Outside Tire Pro-
tectors, Portable Tire and Tube Repair Outfits, Repair
Patches and Bandages, Rubber and/or Rubber and Fabric
Hose and Tubing of All Kinds, Rubber and/or Rubber and
Fabric Belting of All Kinds, and Machinery Packing.

Claims use since Apr. 19, 1929, as to pneumatic, cushion,
and solid tires and parts and accessories therefor; since
July 10, 1929, as to rubber and/or rubber and fabric hose
and tubing; since July 7, 1929, as to rubber and/or rubber
and fabric belting; and since July 20, 1929, as to machin-
ery packing.

Ser. No. 289,351. THE GOODYEAR TIRE & RUBBER COM-
PANY, Akron, Ohio. Filed Sept. 5, 1929.



The line shading in the drawing denotes the color red.
For Portable Tire and Tube Repair Outfits, Rubber
Plugs for Repairing Automobile Tires, Inside Tire Pro-

tectors, Outside Tire Protectors, Repair Patches and Band-
ages for Automobile Tires, Rubber Nonskid Devices for
Automobile Tires, Automobile Tire Plasters, Rubber Tire
Flaps, Flannel Tire Flaps, and Rubber and Rubber and
Flannel Tire-Flap Stock.

Claims use since July 15, 1929.

Ser. No. 289,544. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Sept. 9, 1929.

MILES AHEAD

For Automobile Cord Tires.
Claims use since July 22, 1929.

Ser. No. 289,643. PENNSYLVANIA RUBBER COMPANY,
Jeannette, Pa. Filed Sept. 11, 1929.



No trade-mark is here asserted in the words apart from
the design in which they are associated.
For Rubber Tires.
Claims use since July 1, 1929.

CLASS 37

Paper and Stationery

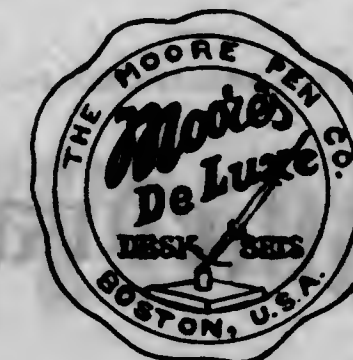
Ser. No. 251,543. C-E-Z COMPANY, New York, N. Y. Filed
July 6, 1927.

C-E-Z LINEFINDER

No registration rights are claimed for the word "Line-
finder".

For Glass "Linefinders"—a Device for Indicating the
Line to be Read or Copied and Providing Complete Visi-
bility Both Above and Below the Line.
Claims use since June 6, 1927.

Ser. No. 269,684. THE MOORE PEN COMPANY, Boston,
Mass. Filed July 16, 1928.



No claim being made to the words "De Luxe, Desk Sets,
Boston, U. S. A."
For Desk Sets.
Claims use since October, 1927.

Ser. No. 280,835. EVERETT PULP AND PAPER COMPANY, Everett, Wash. Filed Mar. 16, 1929.



For Cut and Uncut Coated and Calendered Writing and Printing Papers, News Pads, Mimeograph Paper, Composition Books, Tablets, Notebooks, Folded Notepaper, Wrapping Paper, Typewriter Paper, Book Paper, Manila Tag Board, Paper Board for Use in Book Binding and as Pad and Book Covers, Uncut Finished Paper Stock from Which are Produced the Hereinbefore Specified Papers, and Bond Writing Papers.

Claims use since on or about Mar. 15, 1928.

Ser. No. 283,530. THE HAMERSLEY MANUFACTURING CO., Garfield, N. J. Filed May 4, 1929.

HAMMERFLEX

For Transparent Supercalendered Paper Such as is Used as a Base for Waxed Paper.

Claims use since Mar. 20, 1928.

Ser. No. 283,531. THE HAMERSLEY MANUFACTURING CO., Garfield, N. J. Filed May 4, 1929.

HAMMERCLEAR

For Transparent Supercalendered Paper, Such as is Used as a Base for Waxed Paper.

Claims use since Apr. 3, 1929.

Ser. No. 289,030. KURTZ BROS., Clearfield, Pa. Filed Aug. 26, 1929.

Cathedral

For Pencil Tablets, Composition Books, Notebooks, Pen Tablets, Practice Paper, Composition Paper, Spelling Blanks, Spelling Tablets, and Writing Papers.

Claims use since Apr. 25, 1924.

Ser. No. 289,109. GOTHAM TISSUE CORPORATION, New York, N. Y. Filed Aug. 28, 1929.



Applicant disclaims the use of the word "Certified" apart from the mark as shown. The color designation appearing upon the drawing is immaterial and is for shading purposes only.

For Toilet Paper and Paper Facial Tissues.

Claims use since Mar. 1, 1926.

Ser. No. 289,625. GOTHAM TISSUE CORPORATION, New York, N. Y. Filed Sept. 11, 1929.



The color designation appearing upon the drawing is immaterial and is for shading purposes only.

For Toilet Paper and Paper Facial Tissues.

Claims use since Feb. 1, 1919.

Ser. No. 290,272. SAN-NAP-PAK MFG. CO., INC., New York, N. Y. Filed Sept. 26, 1929.

SANETTES

For Cold Cream Remover Made in the Form of Paper Napkins.

Claims use since Mar. 1, 1929.

Ser. No. 290,305. CONTINENTAL PAPER & BAG CORPORATION, New York, N. Y. Filed Sept. 27, 1929.

VELVELINE

For Toilet Paper.

Claims use since Sept. 12, 1929.

Ser. No. 290,616. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 3, 1929.

DIPLOMAT

For Fountain Pens.

Claims use since June 22, 1929.

Ser. No. 290,929. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Oct. 11, 1929.

TELEFOLD

For Plain, Lithographed, and Printed Paper Strips, Leaves, and Sheets for Use in Manifold Registers, in Typewriters, and in Other Machines.

Claims use since about Aug. 1, 1929.

Ser. No. 290,930. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Oct. 11, 1929.

TELEFORM

For Plain, Lithographed, and Printed Paper Strips, Leaves, and Sheets for Use in Manifold Registers, in Typewriters, and in Other Machines.

Claims use since about Jan. 1, 1929.

Ser. No. 290,931. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Oct. 11, 1929.

TELEPACK

For Plain, Lithographed, and Printed Paper Strips, Leaves, and Sheets for Use in Manifold Registers, in Typewriters, and in Other Machines.

Claims use since about July 1, 1929.

Ser. No. 290,932. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Oct. 11, 1929.

TELEROLL

For Plain, Lithographed, and Printed Paper Strips, Leaves, and Sheets for Use in Manifold Registers, in Typewriters, and in Other Machines.

Claims use since about Jan. 1, 1929.

CLASS 38

Prints and Publications

Ser. No. 271,356. WILHELM OTT, New York, N. Y. Filed Aug. 21, 1928.



No claim is made to the words "Library" and "Trade Mark" except in connection with the word "Synchronoscor." For Volumes of Sheet Music.

Claims use since Aug. 17, 1928.

Ser. No. 277,598. HUGO F. SCHALDACH, Detroit, Mich. Filed Jan. 4, 1929.



For Newspaper Section.

Claims use since Nov. 28, 1928.

Ser. No. 286,334. THE NATIONAL EXCHANGE CLUB, Toledo, Ohio. Filed June 28, 1929.



For Printed Paper Banners, Signs, and Posters.

Claims use since December, 1917.

Ser. No. 287,512. THE VITAPHONE CORPORATION, New York, N. Y. Filed July 22, 1929.

VITAPHONE

For Printed Publications Issued from Time to Time, Sheet Music, Theatrical Programs, and Illustrated Posters Sold as Such to the Trade in Interstate Commerce, Apart from the Rental or Sale of the Films.

Claims use since about July 14, 1926.

Ser. No. 287,517. ALICIA JOEL TOWERS HEAD, Birmingham, Ala. Filed July 22, 1929.

PEN--BOAT--INK



For Books and Pamphlets.
Claims use since Apr. 11, 1928.

Ser. No. 288,414. BABY BONDS, Pueblo, Colo. Filed Aug. 12, 1929.



The word "Bonds" is disclaimed apart from the other features of the mark appearing in the drawing.
For Trade Coupons.
Claims use since July 1, 1929.

Ser. No. 289,259. WOMAN'S WORLD MAGAZINE CO., INC., Chicago, Ill. Filed Aug. 31, 1929.

WOMAN'S WORLD,
The Magazine of the Country

For Monthly Magazine.
Claims use since December, 1916.

Ser. No. 289,464. G. L. KELLY, doing business as Kelly & Green, Erie, Pa. Filed Sept. 7, 1929.

Silverglo

For Photographic Prints.
Claims use since Dec. 13, 1928.

Ser. No. 289,510. CRANDALL, PIERCE & Co., Chicago, Ill. Filed Sept. 9, 1929.

CORPORATION REGISTER

For Publication Issued Periodically.
Claims use since July, 1927.

Ser. No. 289,739. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b, act 1905, as amended in 1920.

Filene's

For Children's Picture Books and Story Books, Books Containing Literature of Interest to Children, Nursery Prints and Pictures, Calendars, Mottoes, Christmas Cards, Athletic Rule Books and Annals, Baby Books.
Claims use since prior to Jan. 1, 1928.

Ser. No. 290,062. FEDERATED BUSINESS PUBLICATIONS, INC., New York, N. Y. Filed Sept. 21, 1929.

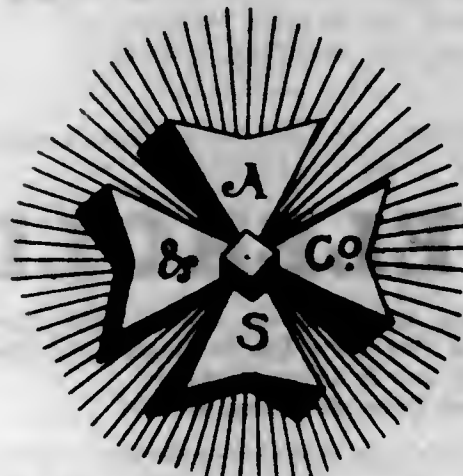
**SIDIDA
FOUNTAIN**

INCLUDING FOUNTAIN-CANDY TOPICS
For Monthly Printed Periodical or Trade Paper.
Claims use since July 13, 1929.

CLASS 39

Clothing

Ser. No. 278,581. AITKEN, SON & Co., New York, N. Y. Filed Jan. 29, 1929.



For Ladies' and Children's Cloaks, Skirts, Dresses, and Waists.
Claims use since 1886.

Ser. No. 282,108. FINCHLEY INC., New York, N. Y. Filed Apr. 9, 1929.



FINCHLEY

No claim is made to the geographic matter "Finchley" apart from the mark shown on the drawing, and when used geographically.

For Women's Outer Garments—Namely, Capes, Coats, Suits, Dresses, Blouses, and Skirts, Both for Ordinary and Sport Wear.

Claims use since Jan. 16, 1916.

Ser. No. 282,511. WILLIAM S. ALBERT, doing business as Alltru Woolen Company, Minneapolis, Minn. Filed Apr. 17, 1929.



For All Wool or Mixed Wool and Cotton Underwear and Hosiery for Persons of Both Sexes, Sweaters, Negligee and Work Shirts; Men's and Boys' Overcoats, Blouses, Trousers, and Overalls.
Claims use since Feb. 1, 1927.

Ser. No. 288,092. CUMBERLAND RAINCOAT COMPANY, Jellico, Tenn. Filed Apr. 27, 1929.



For Raincoats for Men, Women, and Children.
Claims use since July 1, 1927.

Ser. No. 283,256. CLARSON KNITTING MILLS, INC., New York, N. Y. Filed Apr. 30, 1929.

CLASS-O-NIT

For Knitted Underwear for Men, Women, and Children, Knitted Ties, Knitted Sweaters, Knitted Gloves, Knitted Ladies' Bloomers, and Knitted Stockings.
Claims use since Feb. 1, 1929.

Ser. No. 283,424. THE UNITOG MANUFACTURING COMPANY, Kansas City, Mo. Filed May 2, 1929.

Unitog

For Work and Play Clothing—Namely, Overalls, Pants, Service Suits, and Play Suits.
Claims use since July 1, 1928.

Ser. No. 284,738. A. L. KORNMAN MFG. CO., Nashville, Tenn. Filed May 28, 1929.



For Men's, Young Men's, and Boys' Overcoats, Suits, Top Coats, and Trousers.
Claims use since May 1, 1929.

Ser. No. 284,857. INDEPENDENT TROUSER CO. INC., New York, N. Y. Filed May 31, 1929.



The descriptive terms "Tailored for the Best" and "Dependable Clothes" are disclaimed apart from the mark as shown on the drawing.

For Men's and Boys' Suits, Overcoats, Trousers, and Knickers.

Claims use since about Feb. 5, 1927.

Ser. No. 286,307. CLERE CLOTHING COMPANY, INC., Syracuse, N. Y. Filed June 28, 1929.

Stadium

For Men's and Young Men's Clothing, Comprising Coats, Overcoats, Topcoats, Vests, and Trousers.
Claims use since about Mar. 1, 1909.

Ser. No. 286,531. CAPITOL FUR SHOP, INC., Washington, D. C. Filed July 3, 1929.



Applicant disclaims the term "Washington, D. C." apart from the mark as shown on the drawing.
For Ladies' Fur Garments, Coats, and Neck Pieces or Scarfs.
Claims use since Jan. 1, 1925.

Ser. No. 288,147. ROCKLAND SHIRT CO., New York, N. Y. Filed Aug. 5, 1929.



For Men's Dress and Negligee Shirts.
Claims use since June 2, 1929.

Ser. No. 288,716. H. & J. NALIBOTSKY CO., Philadelphia, Pa. Filed Aug. 19, 1929.



For Frocks and Dresses for Women, Misses, and Girls.
Claims use since January, 1929.

Ser. No. 289,072. GUDZ'S, INC., Los Angeles, Calif. Filed Aug. 27, 1929.

AZ-U-WALK

For Shoes Made of Leather and Fabric and Combinations Thereof.
Claims use since about Aug. 1, 1929.

Ser. No. 289,086. S. G. ROBINSON & CO. INC., New York, N. Y. Filed Aug. 27, 1929.



No claim is made to the wording appearing on the drawing apart from the mark shown. The lining appearing on the drawing is for shading purposes only.
For Young Women's and Ladies' Dresses.
Claims use since July 9, 1929.

Ser. No. 289,114. JOHANSEN BROS. SHOE COMPANY, St. Louis, Mo. Filed Aug. 28, 1929.



Applicant makes no claim herein to the exclusive use of the word "Process."
For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.
Claims use since Aug. 19, 1929.

Ser. No. 289,156. McLOUGHLIN MANUFACTURING COMPANY, Indianapolis, Ind. Filed Aug. 29, 1929.

Walter Hagen

The trade-mark consists of the facsimile signature of Walter Hagen.
For Both Knitted and Woven Underwear for Men and Boys.
Claims use since on or about Apr. 15, 1929.

Ser. No. 289,239. C. W. MARKS SHOE COMPANY, Chicago, Ill. Filed Aug. 31, 1929.



For Men's, Women's, and Children's Leather Shoes.
Claims use since Nov. 19, 1925.

Ser. No. 290,018. HARRY D. FETTEL, New York, N. Y. Filed Sept. 20, 1929.

KRAZY KOON

The word "Koon" is disclaimed apart from the mark as shown.
For Coats for Men, Women, and Children.
Claims use since Sept. 11, 1929.

Ser. No. 290,092. ALEXANDER SHAUB, doing business as Shaub Raincoat House, New York, N. Y. Filed Sept. 21, 1929.

SHEEP-O-LEATH

For Men's, Women's, and Children's Coats, Raincoats, and Sport Jackets.
Claims use since Jan. 2, 1929.

Ser. No. 290,152. CHARLES SCHWARTZ, doing business as Dorothy Frocks Company, San Antonio, Tex. Filed Sept. 23, 1929.



No claim being made for the word "Frocks" apart from the mark shown in the drawing.
For Ladies' Dresses and Frocks.
Claims use since Aug. 18, 1929.

Ser. No. 290,201. CHARLOTTE M. TOGNIERI, Long Island City, N. Y. Filed Sept. 24, 1929.

TO-GO

For Infants' Binding Bands of Textile or Woolen Material.
Claims use since Sept. 12, 1929.

Ser. No. 290,208. COOPER RAIN WEAR MFG. CO., New York, N. Y. Filed Sept. 25, 1929.



For Raincoats for Men, Women, and Children.
Claims use since about June 15, 1929.

Ser. No. 290,211. DURABLE KNITTING MILLS, Philadelphia, Pa. Filed Sept. 25, 1929.



For Men's, Women's, and Children's Sweaters and Sweater Coats.
Claims use since Aug. 1, 1929.

Ser. No. 290,215. JAMES McCREERY & COMPANY, New York, N. Y. Filed Sept. 25, 1929.

CHIFFAIRE LINGERIE

The applicant disclaims exclusive use of the word "Lingerie" apart from the mark as shown.
For Women's and Misses' Undergarments and Lingerie Consisting of Pajamas, Nightgowns, Slips, Vests, Chemises, Step-Ins, Panties, Bloomers, Union Suits Made of Either Knitted or Textile Fabric of Silk, Wool, Cotton, Rayon, or Combinations Thereof.
Claims use since about Sept. 11, 1929.

Ser. No. 290,227. TWIN CITY MANUFACTURING COMPANY, Minneapolis, Minn. Filed Sept. 25, 1929.



For Overalls, Jackets, Pants, One-Piece Suits, and Work Coats.
Claims use since January, 1926.

Ser. No. 290,248. EXCELSIOR UNDERWEAR COMPANY, INC., New York, N. Y. Filed Sept. 26, 1929.

SPORTJAMA

For Men's Underwear of Knitted or Textile Fabric and Pajamas.
Claims use since Sept. 18, 1929.

Ser. No. 290,249. EXCELSIOR UNDERWEAR COMPANY, INC., New York, N. Y. Filed Sept. 26, 1929.

RAYJAMA

For Men's Underwear of Knitted or Textile Fabric and Pajamas.
Claims use since Sept. 18, 1929.

Ser. No. 290,267. MODERN APRON MFG. CO., Bronx, N. Y.
Filed Sept. 26, 1929.



For Baby Wraps Consisting of Infants' Flannel Gowns, Pajamas, and Kimonos.
Claims use since January, 1929.

Ser. No. 290,279. UNITED DRUG COMPANY, Boston, Mass.
Filed Sept. 26, 1929.

Tiny-tot

For Baby Pants.
Claims use since Sept. 11, 1922.

Ser. No. 290,526. MAURICE L. ROTHSCHILD, INCORPORATED,
Chicago, Ill. Filed Oct. 2, 1929.



For Coats, Suits, and Overcoats for Men, Women, and Children.
Claims use since Sept. 14, 1929.

Ser. No. 290,545. BUTLER BROTHERS, Chicago, Ill. Filed
Oct. 3, 1929.

SUPERWEAR

For Men's and Boys' Overalls.
Claims use since July 1, 1929.

Ser. No. 290,583. MALOUF BROS. CO., Los Angeles, Calif.
Filed Oct. 3, 1929.

WINNIE WINKLE



For Women's, Misses', Children's and Juniors' Dresses.
Claims use since Aug. 10, 1929.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 289,007. THE CONNECTICUT CLASP COMPANY,
Bridgeport, Conn. Filed Aug. 26, 1929.

La Vo

For Corset Steels.
Claims use since September, 1921.

CLASS 42

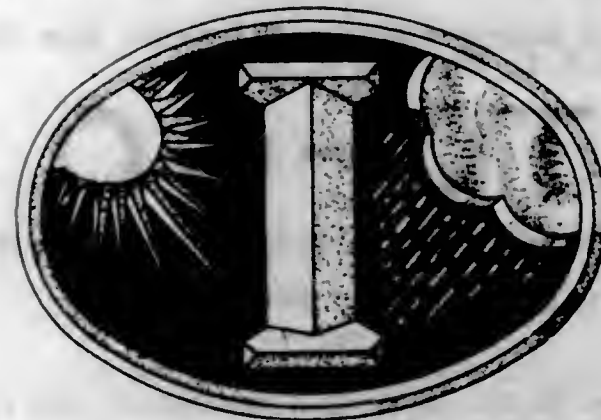
Knitted, Netted, and Textile Fabrics

Ser. No. 260,595. PROGRESSIVE KNITTING WORKS, Brook-
lyn, N. Y. Filed Jan. 24, 1928.

OKINO

For Knitted Fabric Made of Artificial Fibre Simulating
Straw, in the Piece, for Millinery.
Claims use since June, 1927.

Ser. No. 287,182. I. G. FARBENINDUSTRIE AKTIENGESELL-
SCHAFT, Frankfurt-on-the-Main, Germany. Filed July
16, 1929.



For Cotton, Linen, Silk, and Wool Woven and Netted
Goods in the Piece, Bed and Table Linen, and Textile Rugs
and Carpets Dyed with Fast Colors.
Claims use since about July, 1928.

Ser. No. 288,000. ROBERT BARRELEY & SON, LIMITED,
Batley, England. Filed Aug. 2, 1929.

AEROCURL

For Piece Goods of Wool, Worsted, or Hair.
Claims use since Mar. 25, 1929.

Ser. No. 289,489. THE BRADFORD DYERS' ASSOCIATION,
LIMITED, Bradford, England. Filed Sept. 7, 1929.

PERCILQUE

For Woolen Piece Goods.
Claims use since Apr. 30, 1929.

Ser. No. 290,365. HOLDEN-LEONARD COMPANY, New York,
N. Y. Filed Sept. 28, 1929.

YUCCA

For Worsted and Woolen Textile Fabrics.
Claims use since about Jan. 15, 1929.

Ser. No. 290,795. W. H. ROLLINSON & COMPANY, INCOR-
PORATED, New York, N. Y. Filed Oct. 8, 1929.

Polarpak

For Cotton Fabric.
Claims use since Sept. 13, 1929.

Ser. No. 291,012. JAMES MCCREERY & COMPANY, New York,
N. Y. Filed Oct. 12, 1929.

Dorothy Stone

The name "Dorothy Stone" is the signature of the
famous actress of that name, the daughter of the well-
known actor, Fred Stone, and her consent is filed with
the Commissioner of Patents herewith.

For Piece Goods of Silk, Artificial Silk, and Combina-
tions Thereof.
Claims use since on or about Nov. 3, 1926.

CLASS 43

Thread and Yarn

Ser. No. 290,899. LAKEMILL TEXTILE CORPORATION, New
York, N. Y. Filed Oct. 10, 1929.

SABLINE

For Spun Yarn.
Claims use since May, 1929.

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CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 281,726. THE ELECTRIC MFG. CO., San Francisco,
Calif. Filed Apr. 2, 1929.

JUMBO

For Electric Hair Dryers.
Claims use since Feb. 5, 1929.

Ser. No. 289,731. WM. FILENE'S SONS COMPANY, Boston,
Mass. Filed Sept. 13, 1929. Under section 5b of the
act of 1905, as amended in 1920.

Filene's

For Surgical Pads, Surgical Basins, Bedpans, Rubber
Water Bags, Ice Caps, Ice Collars and Cushions, Absorbent
Gauze, Manicuring Implements, Abdominal Bands, Nursing
Nipples, Sterilizers for Use by Physicians and Dentists,
Teething Rings, Sanitary Nappies, Electric Exercisers and
Reducers.
Claims use since Jan. 1, 1928.

Ser. No. 289,771. ULTRA-VIOLET GENERATOR CORPORATION,
Chicago, Ill. Filed Sept. 13, 1929.

Garno-Quartz

Applicant disclaims the word "Quartz" apart from the
mark shown in the drawing.

For Electric Generators, Lamps, and Bulbs Designed for
Therapeutic Uses.

Claims use since early in February, 1928.

Ser. No. 289,867. BELTX CORPORATION, St. Louis, Mo.
Filed Sept. 17, 1929.

GLENTX

For Sanitary Belt.
Claims use since about Aug. 1, 1929.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 253,133. BOYCE EXTRACT CO., Brooklyn, N. Y., assignor to Fred Fear & Co., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 6, 1927.

Puritan

For Raspberry Syrups, Strawberry Syrups, Orange Syrups, Lime and Lemon Syrups, Cherry Syrups, and Fruit-Flavored Punch Used in the Preparation of Soft Drinks, and Root-Beer Extracts.

Claims use since 1906.

Ser. No. 286,193. JACOB S. POLEFSKY, New York, N. Y. Filed June 26, 1929.



For Extract for Making Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.

Claims use since June 1, 1929.

Ser. No. 287,144. L'ETABLISSEMENT DE ST-GALMIER (SOURCE BADOIT), Saint-Galmier, France. Filed July 13, 1929.



No claim is made to the use of the words "St-Galmier" and "Source" apart from the mark as shown in the drawing.

For Mineral and Gaseous Waters, Lemonades, and Syrups Used in the Preparation of Nonalcoholic Beverages.

Claims use since Apr. 1, 1921.

Ser. No. 287,860. CHARLES SAW, Philadelphia, Pa. Filed July 30, 1929.



For Flavors, Emulsions, and Syrups for Flavoring Beverages.

Claims use since on or about June 1, 1920.

Ser. No. 289,186. L. S. HARVEY, Ottumwa, Iowa. Filed Aug. 30, 1929.

Frostop

"Everybody's Drink"

No claim is made to the word "Drink" apart from the mark as shown in the drawing.

For Nonalcoholic, Maltless, Noncereal Beverages and Concentrates for Making the Same.

Claims use since May 1, 1929.

Ser. No. 289,332. R. W. ALLEN, INC., Sacramento, Calif., and Salt Lake City, Utah. Filed Sept. 5, 1929.

A & W ROOT BEER

No claim is made to the words "Root Beer."

For Root Beer and Concentrates and Syrups for Making Root Beer.

Claims use since June, 1918.

Ser. No. 289,541. SAND ROCK MINERAL SPRINGS CO., White-water, Wis. Filed Sept. 9, 1929.

SAND ROCK



For Ginger Ale.

Claims use since July, 1927.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 267,997. RANDOLPH MARKETING COMPANY, Riverside and Los Angeles, Calif. Filed June 13, 1928.



California BASKET

The bow in the drawing is lined for the color blue. For Fresh Vegetables.

Claims use since May 15, 1928.

Ser. No. 269,602. PHILLIPS-LEWIS CO., INC., Richmond, Va. Filed July 14, 1928.

HOME SPUN



For Canned Vegetables, Canned Fruits, Canned Berries, Table Syrup, Coffee, Canned Herring Roe, Alimentary Paste, Canned Shrimp, Canned Crab Meat, Peanut Butter, Cocoa, Coconut, Food-Flavoring Extracts, Canned Salmon, Mayonnaise, Mince-meat, Fruit Preserves, Dried Fruits, Horseradish, Canned Pork and Beans, Salad Oil, Canned Apple Sauce, Pickled Onions, Canned Sauerkraut, Canned Mixed Vegetables for Soup, Canned Fruits for Salad, Cranberry Jelly, and Canned Succotash.

Claims use since Oct. 16, 1912.

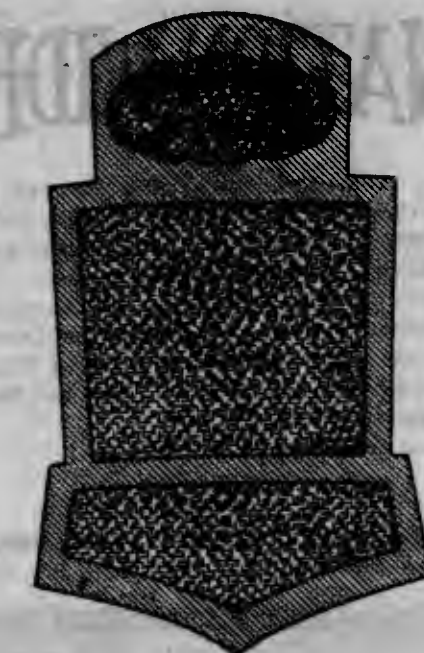
Ser. No. 269,862. THE SHOTWELL MFG. CO., Chicago, Ill. Filed July 19, 1928.



For Marshmallows.

Claims use since Feb. 1, 1928.

Ser. No. 274,597. SAMUEL B. DRUCKER, doing business as Visa Company, New York, N. Y. Filed Oct. 31, 1928.



The words "Universally Fresh" are disclaimed apart from the mark as shown in the drawing. In the drawing the shade lines and crosshatching are the standard representations for green and yellow, respectively.

For Mayonnaise Products—Namely, Mayonnaise.

Claims use since about Sept. 15, 1928.

Ser. No. 276,361. DOROTHY M. BARCLAY, Pulaski, N. Y. Filed Dec. 6, 1928.

DOUGLASTON MANOR FARM

PULASKI NEW YORK

No claim is made to the use of the words "Pulaski, New York," apart from the mark as shown.

For Fresh Sweet and Sour Cream Butter, Fresh Milk, Fresh Cream, Fresh and Hatching Eggs; Pedigreed Day-

Old Chicks, Pullets, Cockerels, Principally for Breeding Purposes; Cull Chickens, as Fowl, Either Dressed or Alive; Cattle and Swine, Principally for Breeding Purposes.
Claims use since Oct. 4, 1928.

Ser. No. 278,165. FLATBUSH GUM COMPANY, INC., Brooklyn, N. Y. Filed Jan. 19, 1929.



The band is lined for red.
For Chewing Gum.
Claims use since October, 1927.

Ser. No. 278,348. E. C. HALL COMPANY, also doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass. Filed Jan. 23, 1929.

NATION-WIDE

For Coffee, Tea, Canned Fruits, Canned Vegetables, Canned Fish, Cane and Maple Sugar, Butter, Cocoa, Canned Pork and Beans, Canned Fruit Salad, Marshmallow Cream, Evaporated Milk, Pickles, Canned Cranberry Sauce, Peanut Butter, Canned Sauerkraut, Orange Marmalade, Raspberry Jam, Tomato Catsup, Nut Margarine, Oleomargarine, Strawberry Jam, Pure Maple Syrup, Cane Sugar, Wheat Flour, Canned Berries, Mayonnaise, Cane and Maple Syrup, and Canned Baked Beans.
Claims use since June, 1928.

Ser. No. 278,629. ATHLETIC TEA COMPANY, INC., St. Louis, Mo. Filed Jan. 30, 1929.



The drawing is lined for blue and gold, no claim is made to the words "Coffee, Cereal, Chicory" or "Style" apart from the mark as shown.

For Compound of Coffee, Cereal, and Chicory.
Claims use since Aug. 3, 1928.

Ser. No. 280,740. SOCIÉTÉ ANONYME FRUIT BROKERS CO., SPIERS & WHITE, Antwerp, Belgium. Filed Mar. 14, 1929.



For Fresh Fruits and Fresh Vegetables.
Claims use since Dec. 1, 1928.

Ser. No. 281,899. JOHN A. BOUTHILLET, doing business as The Pioneer Products Co., St. Paul, Minn. Filed Apr. 5, 1929.

PIONEER

For Cane and Maple Table Syrup.
Claims use since about Mar. 22, 1929.

Ser. No. 285,983. LEE O. PRICE, doing business as Price Provision Co., Athens, Ga. Filed June 22, 1929.



The drawing is conventionally lined for red color, and the words "Brunswick Stew" are disclaimed except as a part of the composite mark shown.

For Canned Brunswick Stew.
Claims use since Dec. 10, 1927.

Ser. No. 288,408. THE M M COMPANY, Washington, D. C. Filed Aug. 10, 1929.



For Blended Vegetable Cooking and Salad Oils.
Claims use since July 15, 1929.

Ser. No. 288,409. THE MOSHE COMPANY, Washington, D. C. Filed Aug. 10, 1929.



For Vegetable Cooking and Salad Oils.
Claims use since July 15, 1929.

Ser. No. 288,922. MAURICE NACCACHE, doing business as Arabian Products, New York, N. Y. Filed Aug. 23, 1929.



The words in Arabian characters translated into English have the following meaning: "God give us prosperity." The portrait is the portrait of applicant's grandfather, Moche Naccache, deceased. No claim is made to the exclusive use of the words "High Grade, Arabian Olive Oil" and "Brand" apart from the mark as shown on the drawing.

For Olive Oil.
Claims use since Apr. 1, 1929.

Ser. No. 288,994. ARNOLD VAN ERP, doing business as Holland Dutch Delicatessen Stores, San Francisco, Calif. Filed Aug. 24, 1929.

Dutch-Boy

For Peanut Butter, Salad Oil, Honey, Mayonnaise, Sandwich Spread, Hams and Bacon, Horse-Radish, Chili Sauce, Mustard, Thousand Island Dressing, Tartar Sauce, Oyster-Cocktail Sauce, Vinegar, Salad Dressing, Orange Marmalade, Strawberry Jam.
Claims use since Aug. 1, 1922.

Ser. No. 289,071. ISADORE EDWARD GOLDBERG, doing business as Ideal Malt & Supply Co., Cleveland, Ohio. Filed Aug. 27, 1929.

BEVERO

For Malt Syrup.
Claims use since May 1, 1928.

Ser. No. 289,608. ARNOLD VAN ERP, doing business as Holland Dutch Delicatessen Stores and also as Crystal Palace Market, San Francisco, Calif. Filed Sept. 10, 1929.



For Peanut Butter, Salad Oil, Mayonnaise, Sandwich Spread, Horse-Radish, Chili Sauce, Mustard, Thousand Island Dressing, Salad Dressing, Honey, Tartar Sauce, Oyster-Cocktail Sauce, Vinegar, Orange Marmalade, and Strawberry Jam.
Claims use since Aug. 1, 1922.

Ser. No. 289,671. EMPIRE STATE PICKLING CO., Phelps, N. Y. Filed Sept. 12, 1929.

Restore the lack with lactic acid

The exclusive use of the words "Lactic Acid" are disclaimed except in connection with the trade-mark as shown.
For Canned Sauerkraut.
Claims use since Sept. 1, 1929.

Ser. No. 289,689. OCEANIC SALES COMPANY, Seattle, Wash.
Filed Sept. 12, 1929.

OCEAN'S BEST

No claim is made to the word "Best" apart from the mark as shown.
For Canned Salmon.
Claims use since Aug. 13, 1929.

Ser. No. 289,742. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905, as amended in 1920.

Filene's

For Baby Foods, Preserves (Ginger, Candy, Nuts, Jellies, Jams), and Olive Oil.
Claims use since Jan. 1, 1928.

Ser. No. 289,802. J. R. SHORT MILLING COMPANY, Chicago, Ill. Filed Sept. 14, 1929.

Geratose

For Processed Corn Product Formed by Subjecting Corn to Cooking, Flaking, and Drying Treatment, Whereby Starch Cells are Broken and Which in the Condition of Flour is Used as an Ingredient of Bread or Other Foods.
Claims use since June 7, 1929.

Ser. No. 289,964. "CRISTALLO" A.-G., Thun, Switzerland.
Filed Sept. 19, 1929.



EVIUNIS

For Pastry, Butter, Cocoa, Honey, Cheese, Coffee, Coffee Substitutes, Margarine; Wheat, Rye, and Potato Flour; Rice, Maize, Oats, and Soja Flour; Dietetic Flour, Flour Especially Prepared for Babies' Use, Condensed Milk, Powdered Milk, Yoghurt, Meat and Fish Sauces, and Soup-Flavoring, Chocolate, Cooking Fat, Cooking Oil, Tea, Allimentary Pastes, Sugar, Candies, and Sweetmeats.
Claims use since June, 1929.

Ser. No. 290,020. GERALDI-DORMAN, INC., Brooklyn, N. Y.
Filed Sept. 20, 1929.

THREED



For Olive Oil, Olives; Canned Fish, Vegetables, and Fruits; Allimentary Paste Products, Dried Vegetables, and Cheese.
Claims use since Dec. 21, 1928.

Ser. No. 290,311. JOSEPH GUASTELLA, New Orleans, La.
Filed Sept. 27, 1929.

DANTE



For Roasted Coffee and Chicory Compound.
Claims use since April, 1927.

Ser. No. 290,399. WILLIAM G. DARWIN, Hope, Ark. Filed Sept. 30, 1929.

DARWIN WILL DARWIN WILL STORES

The descriptive word "Stores" is disclaimed apart from the other features of the mark shown in the drawing.
For Canned Fruits and Vegetables.
Claims use since June, 17, 1929.

Ser. No. 290,429. PETER G. REGAN, New York, N. Y.
Filed Sept. 30, 1929.



For Bread, Rolls, Pies, Cakes, and Pastry.
Claims use since January, 1929.

Ser. No. 290,461. THE HALFILL COMPANY, Los Angeles, Calif. Filed Oct. 1, 1929.

VULGANIA

For Tomato Paste.
Claims use since July 23, 1928.

Ser. No. 290,471. J. H. MCCOLLOUGH, doing business as The Garden City Fruit Products Co., San Jose, Calif. Filed Oct. 1, 1929.

Nature's Gold

For Jams, Jellies, Fruit Preserves, Fruit Butters, Fruits Packed in Wine, Canned Fruits, Dried Fruits, Mincemeat, Pickled Fruits.
Claims use since Aug. 10, 1929.

Ser. No. 290,480. R. R. STRANGE, Jr., doing business as E-W Products Company, San Francisco, Calif. Filed Oct. 1, 1929.

LUCKY

For Mayonnaise.
Claims use since May 31, 1929.

Ser. No. 290,586. THE PFAFFMAN EGG NOODLE COMPANY, Cleveland, Ohio. Filed Oct. 3, 1929.

Family

For Macaroni, Spaghetti, and Egg Noodles.
Claims use since 1904.

Ser. No. 290,597. THE OUBERACKER COFFEE CO., INC., Louisville, Ky. Filed Oct. 3, 1929.

OLD GRANDAD

For Coffee Cereal and Chicory, a Coffee Substitute.
Claims use since 1916.

Ser. No. 290,726. RICHARD WACHSMITH, Yakima, Wash. Filed Oct. 5, 1929.

REPETITION

For Fresh Pears, Apples.
Claims use since Aug. 5, 1929.

Ser. No. 290,750. FORSELL BAKING COMPANY, Minneapolis, Minn. Filed Oct. 7, 1929.

MORSEL

For Bread.
Claims use since Sept. 16, 1929.

Ser. No. 290,754. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Oct. 7, 1929.

COUNTRY CLUB

For Sugar.
Claims use since July 1, 1929.

Ser. No. 290,799. ABRAHAM SHAPIRO, Philadelphia, Pa. Filed Oct. 8, 1929.



TWO STAR

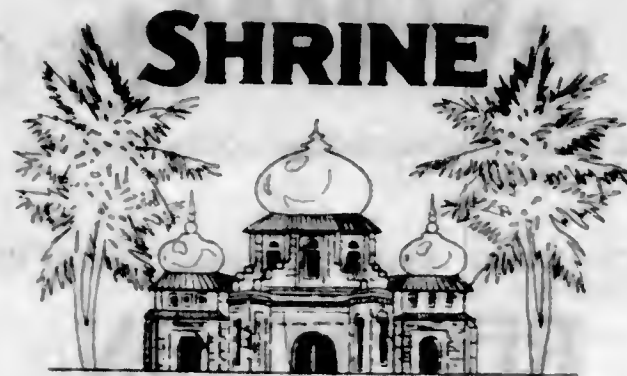
For Vinegar.
Claims use since Sept. 3, 1929.

Ser. No. 290,919. WELLS-OSSEN MILLING COMPANY, De Pere, Wis. Filed Oct. 10, 1929.

FOX

For Chick Mash, Growing Mash, Developing Mash, Chick Starter, Scratch Feed, and Egg Mash.
Claims use since September, 1919.

Ser. No. 290,921. JOSE Y. ALONSO, doing business as La Norma Coffee Mills, Tampa, Fla. Filed Oct. 11, 1929.



For Coffee.
Claims use since Sept. 11, 1929.

Ser. No. 290,922. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Oct. 11, 1929.

RED JACKET

For Chewing Gum.
Claims use since Oct. 4, 1929.

Ser. No. 290,923. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Oct. 11, 1929.

MINTYNE

For Chewing Gum.
Claims use since Oct. 2, 1929.

Ser. No. 290,944. B. FISCHER & CO., INC., New York, N. Y. Filed Oct. 11, 1929.

PRIVATE GARDEN

For Tea.
Claims use since Sept. 1, 1929.

Merchandise Marks as Classified

Ser. No. 271,564. B. FISCHER & CO., INC., New York, N. Y. Filed Aug. 24, 1929.

Para-Moraytone

Applicant disclaims the word "Moraytone" apart from the combination and arrangement shown.

For Drapes, Draperies, Table Covers, and Wall or Piece Goods, All Made Up of Silk Mixture Fabric Rubberized on the Back and Chemically-Treated on the Surface to Make Same Waterproof, Spotproof and Mildewproof, which goods are used for Domestic and Household Purposes.
Claims use since Feb. 6, 1929.

Ser. No. 289,880. ENO RUBBER CORPORATION, Los Angeles, Calif. Filed Sept. 17, 1929.

DIX-M-EN

For Rubber Coin Mats.
Claims use since May 1, 1929.

Ser. No. 289,881. ENO RUBBER CORPORATION, Los Angeles, Calif. Filed Sept. 17, 1929.

ELOR-A-DORA

For Rubber Floor Mats.
Claims use since May 1, 1929.

Ser. No. 289,971. HAARTZ-MASON RUBBER MANUFACTURING COMPANY, Watertown, Mass. Filed Sept. 19, 1929.

ELFANTIDE

For Rubberized Fabrics.
Claims use since Aug. 31, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 19, 1929

264,030. GOLF AND TENNIS BALLS. TUBA BALLS CORPORATION, Chicago, Ill.

Filed July 27, 1929. Serial No. 287,783. PUBLISHED SEPTEMBER 10, 1929. Class 22.

264,031. WHITE PAINT ENAMEL. FRAZER PAINT COMPANY, Detroit, Mich.

Filed July 17, 1929. Serial No. 287,241. PUBLISHED SEPTEMBER 10, 1929. Class 16.

264,032. SKIS, ARCHERY TACKLE, HOCKEY STICKS, AND SIMILAR GOODS. CHRISTIAN A. LUND, doing business as C. A. Lund Company, Hastings, Minn.

Filed July 20, 1929. Serial No. 287,418. PUBLISHED SEPTEMBER 3, 1929. Class 22.

264,033. GOLF CLUBS. WILSON-WESTERN SPORTING GOODS COMPANY, Chicago, Ill.

Filed July 22, 1929. Serial No. 287,515. PUBLISHED SEPTEMBER 3, 1929. Class 22.

264,034. AN ATHLETIC SUPPORTER. THE KENDALL COMPANY, Boston, Mass., and Chicago, Ill.

Filed July 25, 1929. Serial No. 287,662. PUBLISHED SEPTEMBER 10, 1929. Class 44.

264,035. MALTED MILK PREPARED IN BEVERAGE FORM. LOUIS LEVITT, doing business as "O-My" Bottling Co., Los Angeles, Calif.

Filed July 13, 1929. Serial No. 287,080. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,036. FILTERING POWDER USED FOR THE FILTRATION OF SUGAR SYRUPS AND OTHER PRODUCTS. CANNERS' FILTRATION COMPANY, San Francisco, Calif.

Filed July 16, 1929. Serial No. 287,172. PUBLISHED SEPTEMBER 10, 1929. Class 31.

264,037. CONFECTIONS OF CHOCOLATE-COATED ICE CREAM. HERMAN J. KORNIG, Schenectady, N. Y.

Filed July 22, 1929. Serial No. 287,478. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,038. PERMANENT HAIR-WAVING PADS. CHANEY PRODUCTS, INC., New York, N. Y.

Filed June 7, 1929. Serial No. 285,191. PUBLISHED SEPTEMBER 10, 1929. Class 44.

264,039. CERTAIN TOYS MADE OF BASE METAL. THE BLUE BIRD COMPANY, Baltimore, Md.

Filed June 17, 1929. Serial No. 285,703. PUBLISHED SEPTEMBER 3, 1929. Class 22.

264,040. MECHANICAL TOYS. STROMBERG-BECKER MANUFACTURING COMPANY, Moline, Ill.

Filed June 19, 1929. Serial No. 285,705. PUBLISHED SEPTEMBER 3, 1929. Class 22.

264,041. A NONCORROSIVE PIPE COATING AND PAINT ENAMELS. RESISTOR ENGINEERING CORPORATION, Tulsa, Okla.

Filed June 20, 1929. Serial No. 285,887. PUBLISHED SEPTEMBER 10, 1929. Class 16.

264,042. HAIR-PROTECTING PADS FOR USE IN PERMANENT WAVING. D. H. KAHN, INC., New York, N. Y.

Filed July 5, 1929. Serial No. 286,639. PUBLISHED SEPTEMBER 10, 1929. Class 44.

264,043. VARNISHES. FEDERAL VARNISH CO., Chicago, Ill.

Filed July 8, 1929. Serial No. 286,750. PUBLISHED SEPTEMBER 10, 1929. Class 16.

264,044. TOYS CONSISTING OF SPINNING TOPS. JOSEPH SHWARTZ, Dallas, Tex.

Filed July 15, 1929. Serial No. 287,159. PUBLISHED SEPTEMBER 10, 1929. Class 22.

264,045. FLOOR ENAMELS. FRAZER PAINT COMPANY, Detroit, Mich.

Filed July 17, 1929. Serial No. 287,240. PUBLISHED SEPTEMBER 10, 1929. Class 16.

264,046. SASH BALANCES AND CASEMENT ADJUSTERS. CONSOLIDATED HARDWARE MANUFACTURERS, INC., Pasadena, Calif.

Filed April 13, 1929. Serial No. 282,342. PUBLISHED SEPTEMBER 3, 1929. Class 13.

264,047. PAPER, FIBER, PARCHMENT, TEXTILE, METAL, AND COMBINATION GLASS AND METAL LAMP SHADES. JAMES P. MCCONATTY, Denver, Colo.

Filed May 1, 1929. Serial No. 283,340. PUBLISHED SEPTEMBER 10, 1929. Class 34.

264,048. GAS WATER HEATERS. W. B. BASTIAN MANUFACTURING CO., Los Angeles, Calif.

Filed May 6, 1929. Serial No. 283,541. PUBLISHED SEPTEMBER 3, 1929. Class 34.

264,049. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER CORPORATION, Detroit, Mich.

Filed May 6, 1929. Serial No. 283,551. PUBLISHED SEPTEMBER 10, 1929. Class 19.

264,050. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER CORPORATION, Detroit, Mich.

Filed May 6, 1929. Serial No. 283,552. PUBLISHED SEPTEMBER 10, 1929. Class 19.

264,051. GAS WATER HEATERS. W. B. BASTIAN MANUFACTURING CO., Los Angeles, Calif.

Filed May 6, 1929. Serial No. 283,543. PUBLISHED SEPTEMBER 3, 1929. Class 34.

264,052. GAS WATER HEATERS. W. B. BASTIAN MANUFACTURING CO., Los Angeles, Calif.

Filed May 6, 1929. Serial No. 283,544. PUBLISHED SEPTEMBER 3, 1929. Class 34.

264,053. COFFEE, TEA, AND SPICE. B. FISCHER & CO., INC., New York, N. Y.

Filed May 21, 1929. Serial No. 284,395. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,054. FILTERS. THE DORR COMPANY, New York, N. Y.

Filed June 1, 1929. Serial No. 284,903. PUBLISHED SEPTEMBER 10, 1929. Class 31.

264,055. TALCUM POWDER, COLD CREAM, VANISHING CREAM, TISSUE CREAM, BATH TABLETS, NAIL POLISH, AND SACHET POWDER. KALTO CORPORATION, Brooklyn, N. Y.

Filed May 23, 1929. Serial No. 284,541. PUBLISHED AUGUST 27, 1929. Class 6.

264,056. CANNED VEGETABLES. F. O. MITCHELL & SONS, Perryman, Md.

Filed January 22, 1929. Serial No. 278,305. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,057. SILK GOODS IN THE PIECE. IONA FABRICS CORPORATION, New York, N. Y.

Filed August 7, 1929. Serial No. 288,238. PUBLISHED SEPTEMBER 10, 1929. Class 42.

264,058. SILK PIECE GOODS. FOREMOST FABRICS CORPORATION, New York, N. Y.

Filed July 18, 1929. Serial No. 287,298. PUBLISHED SEPTEMBER 10, 1929. Class 42.

264,059. CHEMICAL AGRICULTURAL FERTILIZER. CHAS. W. PRIDDY & COMPANY, INCORPORATED, Norfolk, Va.

Filed June 6, 1929. Serial No. 285,170. PUBLISHED SEPTEMBER 10, 1929. Class 10.

- 264,060. CIGARS. HENRY W. PEABODY & Co., New York, N. Y.
Filed June 18, 1929. Serial No. 285,748. PUBLISHED SEPTEMBER 10, 1929. Class 17.
- 264,061. CANDY. MELLIS MANUFACTURING COMPANY, New York, N. Y.
Filed June 25, 1929. Serial No. 286,127. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,062. RAZOR BLADES. RUBIE BLADE CORPORATION, New York, N. Y.
Filed July 30, 1929. Serial No. 287,889. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,063. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER AND RUBBER TUBES THEREFOR. THE FEDERAL RUBBER COMPANY, Chicago, Ill., and Cudahy, Wis.
Filed June 5, 1929. Serial No. 285,073. PUBLISHED SEPTEMBER 10, 1929. Class 35.
- 264,064. A BREWED, NONALCOHOLIC, CEREAL BEVERAGE CONTAINING MALT AND HOPS. THE EILERT BEVERAGE COMPANY, Cleveland, Ohio.
Filed July 3, 1929. Serial No. 286,554. PUBLISHED SEPTEMBER 10, 1929. Class 48.
- 264,065. ELECTRICAL STATION-LOAD INDICATORS, ELECTRICAL INDICATORS, ETC. ELECTRIC INDICATOR CORPORATION, Stamford, Conn.
Filed July 8, 1929. Serial No. 286,747. PUBLISHED SEPTEMBER 10, 1929. Class 26.
- 264,066. KITCHEN KNIVES AND KNIFE BLADES. HYDE MANUFACTURING COMPANY, Southbridge, Mass.
Filed July 13, 1929. Serial No. 287,079. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,067. MOTION-PICTURE PHOTOPLOTS. PARAMOUNT FAMOUS LASKY CORPORATION, New York, N. Y.
Filed July 29, 1929. Serial No. 287,840. PUBLISHED SEPTEMBER 10, 1929. Class 26.
- 264,068. PIPE TONGS. J. H. WILLIAMS & Co., Buffalo, N. Y.
Filed July 30, 1929. Serial No. 287,897. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,069. LAWN TRIMMERS. LAWN EQUIPMENT COMPANY, Corydon, Ind.
Filed July 31, 1929. Serial No. 287,930. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,070. CHEMICAL DYE AIDS. H. TH. BÖHME A. G., Chemnitz, Germany.
Filed June 4, 1929. Serial No. 285,010. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,071. MEDICINE IN LIQUID AND TABLET FORM FOR HAY-FEVER, ROSE-FEVER, ASTHMA, CATARRH AND OTHER HEAD INFECTIONS. LESTER B. SMILEY, doing business as Pollen Laboratories, Fort Wayne, Ind.
Filed June 13, 1929. Serial No. 285,534. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,072. BATH SALTS, FACE CREAM, FACE POWDER, ROUGE, BATH POWDER, DUSTING POWDER, DEODORANT POWDER, ASTRINGENTS, SUNBURN LOTION, LIQUID SHAMPOO, HAND LOTION, TALC, AFTER-SHAVING LOTION; CUTICLE REMOVER, BEING A CHEMICAL IN LIQUID FORM FOR USE IN MANICURING OPERATIONS; AND MAKE-UP CREAM. ADELIN CORWIN ALEXANDER, Glendale, Calif.
Filed July 2, 1929. Serial No. 286,468. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,073. SYNTHETIC RESINS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany.
Filed July 2, 1929. Serial No. 286,482. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,074. HAIR TONIC, DEPILETORY, SKIN LOTION, FOOT CREAM, AND FRECKLE CREAM. MAX ROSOFF, Brooklyn, N. Y.
Filed July 5, 1929. Serial No. 286,656. PUBLISHED SEPTEMBER 3, 1929. Class 6.

- 264,075. AN OINTMENT FOR THE TREATMENT OF BOILS, DEEP CUTS, SORES, ACNE, BRUISES, AND BURNS. MARY SOKOLOUSKY, Canton, Ohio.
Filed July 5, 1929. Serial No. 286,663. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,076. DENTAL CREAM AND ANTISEPTIC MOUTH WASH. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed July 6, 1929. Serial No. 286,700. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,077. TOILET CREAM. MITSUWA Co., Inc., San Francisco, Calif.
Filed July 8, 1929. Serial No. 286,787. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,078. HEADACHE TABLETS. WILLIAM UNTERMAN, doing business as S. O. S. Products Co., Brooklyn, N. Y.
Filed July 8, 1929. Serial No. 286,805. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,079. INSECTICIDES. UNIFORM PRODUCTS COMPANY, Inc., New York, N. Y.
Filed July 23, 1929. Serial No. 287,550. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,080. ACETANILID DERIVATIVE. IRWIN, NEISLER & Co., Decatur, Ill.
Filed July 23, 1929. Serial No. 287,533. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,081. A LIQUID COMPOUND TO BE TAKEN INTERNALLY FOR THE TREATMENT OF RHEUMATISM, GOUT, AND KINDRED DISEASES. SQUIRE ROBERT DILLON, Big Timber, Mont.
Filed July 25, 1929. Serial No. 287,654. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,082. MEDICINE FOR THE RELIEF OF COLDS, HEADACHE, SORE THROAT, NEURITIS, AFTER-TOOTH EXTRACTION, PERIODIC PAINS. GLEN F. NONHOF, doing business as Avedene Pharmacal Co., Milwaukee, Wis.
Filed June 24, 1929. Serial No. 286,074. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,083. A PHARMACEUTICAL PREPARATION PREPARED AND SOLD AS A PREPARATION FOR THE TREATMENT OF RHEUMATISM. WYATT T. ROSS, Madison, Ill.
Filed June 24, 1929. Serial No. 286,080. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,084. A PREPARATION FOR USE AGAINST SYPHILIS. SPICER AND COMPANY, Inc., Glendale, Calif.
Filed June 24, 1929. Serial No. 286,084. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,085. A PREPARATION FOR THE RELIEF OF STOMACH DISORDERS. L. HEUMANN & COMPANY INC., New York, N. Y.
Filed June 25, 1929. Serial No. 286,120. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,086. SOLIDIFIED FUEL FOR USE IN LIGHTERS. NOVODUC CORPORATION, Carlstadt, N. J.
Filed June 25, 1929. Serial No. 286,129. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,087. CAPSULES FOR PREVENTION OF COLDS, HEADACHES, NEURITIS, AND SIMILAR AFFECTIONS. BENJAMIN D. SILVER, doing business as Silfen Chemical Co., New Haven, Conn.
Filed June 25, 1929. Serial No. 286,136. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,088. A STOMACH MEDICINE. THE ORTH LABORATORY Co., East Liverpool, Ohio.
Filed June 27, 1929. Serial No. 286,273. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,089. AMMONIA, BAKING POWDER, BORAX, ETC. RED & WHITE CORP'N, Buffalo, N. Y.
Filed June 27, 1929. Serial No. 286,276. PUBLISHED AUGUST 27, 1929. Class 6.

- 264,090. NAIL POLISH POWDER. THE A-D-A COMPANY, Atlanta, Ga.
Filed June 28, 1929. Serial No. 286,290. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,091. A MEDICATED TEA FOR EXTERNAL APPLICATION AS A CORRECTIVE FOR FINGER SUCKING AND FINGER-NAIL BITING IN INFANTS AND ADULTS. SYLVAN MAURICE EDISON, Rockford, Ill.
Filed June 28, 1929. Serial No. 286,309. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,092. PREPARATIONS FOR TREATING THE SCALP. RAP-POO LABORATORIES, INC., New York, N. Y.
Filed July 13, 1929. Serial No. 287,092. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,093. A PRODUCT DESIGNED FOR THE TREATMENT OF BOILS AND SIMILAR INFLAMMATORY CONDITIONS OF THE SKIN. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed July 16, 1929. Serial No. 287,213. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,094. EMULSION OF PETROLATUM WITH MALT. MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn.
Filed July 17, 1929. Serial No. 287,259. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,095. DENTAL CREAMS. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed July 19, 1929. Serial No. 287,388. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,096. DISINFECTANT, DEODORANT, AND INSECTICIDE. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed July 22, 1929. Serial No. 287,506. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,097. BAKING POWDER. THE CITIZENS' WHOLESALE SUPPLY COMPANY, Columbus, Ohio.
Filed June 12, 1929. Serial No. 285,443. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,098. TANNIC-ACID COMPOUND, RUBBING ALCOHOL, ANALGESIC BALM, ETC. THE CRAMER CHEMICAL Co., Gardner, Kans., and Detroit, Mich.
Filed June 17, 1929. Serial No. 285,659. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,099. A PROPRIETARY MEDICINE TO RELIEVE COLDS, HEADACHES, PERIODIC PAINS, AND TO REDUCE FEVER. OXYBORATE COMPANY, INC., Buffalo, N. Y.
Filed June 17, 1929. Serial No. 285,716. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,100. FACIAL OIL. JULIETTE-NANNETTE LABORATORY, Inc., St. Louis, Mo.
Filed June 19, 1929. Serial No. 285,780. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,101. TOILET WATERS, FACE LOTIONS, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIP STICKS. LUBIN PERFUMERY CORPORATION, New York, N. Y.
Filed June 19, 1929. Serial No. 285,782. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,102. WRIST WATCHES. BULOVA WATCH COMPANY, Inc., New York, N. Y.
Filed August 1, 1929. Serial No. 287,956. PUBLISHED SEPTEMBER 10, 1929. Class 27.
- 264,103. CANNED FRUITS, CANNED BERRIES, AND CANNED VEGETABLES. FASSETT & COMPANY, Tacoma, Wash.
Filed August 1, 1929. Serial No. 287,963. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,104. CERTAIN NAMED FABRICS. H. EHNSTENBERG & Co., New York, N. Y.
Filed August 2, 1929. Serial No. 288,012. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,105. TYPEWRITER RIBBONS, ADDRESSOGRAPH RIBBONS, AND MULTIGRAPH RIBBONS. WALTER JOSEPH WALDRON, doing business as The Mallagraph Equipment & Supply Company, Brooklyn, N. Y.
Filed August 3, 1929. Serial No. 288,098. PUBLISHED SEPTEMBER 10, 1929. Class 11.
- 264,106. WOOLEN FABRICS. WORUMBO MANUFACTURING COMPANY, Bath, Me.
Filed August 3, 1929. Serial No. 288,099. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,107. SILKS IN THE PIECE. DUPLEX SILK MILLS INC., New York, N. Y.
Filed August 5, 1929. Serial No. 288,110. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,108. AN INSECTICIDE IN LIQUID FORM. ANDREW WILSON, Inc., Springfield, N. J.
Filed July 11, 1929. Serial No. 286,967. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,109. FOLIA DIGITALIS IN CAPSULE FORM AND TINCTURE DIGITALIS. FREDERICK A. UPSHER SMITH, doing business as Upsher Smith Company, Minneapolis, Minn.
Filed July 12, 1929. Serial No. 287,021. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,110. AN ANTISEPTIC JELLY. CHINOSOL PRODUCTS COMPANY, New York, N. Y.
Filed July 13, 1929. Serial No. 287,047. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,111. VELOURS IN THE NATURE OF PIECE GOODS, VELOUR PORTIÈRES AND DRAPERIES. AMERICAN PILE FABRIC COMPANY, Philadelphia, Pa., and New York, N. Y.
Filed July 20, 1929. Serial No. 287,397. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,112. MATCHES. JOSEPH BOROVITZ INC., New York, N. Y.
Filed July 24, 1929. Serial No. 287,558. PUBLISHED SEPTEMBER 10, 1929. Class 9.
- 264,113. CLOCKS AND WATCHES. WESTERN CLOCK COMPANY, Peru, Ill.
Filed July 26, 1929. Serial No. 287,723. PUBLISHED SEPTEMBER 10, 1929. Class 27.
- 264,114. FRESH VEGETABLES—NAMESLY, TOMATOES. DELAY-SENTER COMPANY, doing business as J. P. Senter and Company, Tyler, Tex.
Filed July 30, 1929. Serial No. 287,868. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,115. EMPTY CIGARETTE BOXES MADE OF A MATERIAL COMPOSED IN WHOLE OR IN PART OF PYROXYLIN OR ITS COMPOUNDS. DU PONT VISCOLOID COMPANY, New York, N. Y.
Filed July 31, 1929. Serial No. 287,915. PUBLISHED SEPTEMBER 10, 1929. Class 8.
- 264,116. GUANO, COMMERCIAL FERTILIZERS USED FOR AGRICULTURAL PURPOSES, AND LIMESTONE USED FOR AGRICULTURAL PURPOSES AND AS A SOIL CONDITIONER. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed July 31, 1929. Serial No. 287,950. PUBLISHED SEPTEMBER 10, 1929. Class 10.
- 264,117. WRIST WATCHES. BULOVA WATCH COMPANY, Inc., New York, N. Y.
Filed August 1, 1929. Serial No. 287,955. PUBLISHED SEPTEMBER 10, 1929. Class 27.
- 264,118. TOOTH PASTE AND ORAL ANTISEPTIC. GILBERT PRODUCTS CORPORATION New York N. Y.
Filed June 28 1929. Serial No. 286,323. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,119. VULNERARY AND HEALING SALVES. AUGUST HEPEL, NEE CORNELIUS, Weimar, Germany.
Filed June 28, 1929. Serial No. 286,328. PUBLISHED SEPTEMBER 3, 1929. Class 6.

- 264,120. ASTRINGENTS, ASTRINGENT CERATES, BLEACH AND BEAUTY CREAMS, ETC. ALBERT GEORGES GERARD, doing business as Belle Amie Laboratories, New York, N. Y.
Filed July 2, 1929. Serial No. 286,488. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,121. COMPOUND CALCIUM TABLETS USED TO SUPPLEMENT ANY DIETARY DEFICIENCY IN CALCIUM SALTS. GRANGER CALCIUM PRODUCTS, INC., Brooklyn, N. Y.
Filed July 11, 1929. Serial No. 286,934. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,122. FISH PRESERVES, FISH DELICACIES, AND FISH PASTE. RICHTER BROTHERS, New York, N. Y.
Filed July 3, 1929. Serial No. 286,592. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,123. CARD-TABLE COVERS AND LUNCHEON SETS OF COTTON, LINEN, AND MIXTURES THEREOF. KURTZ & SON, Millburg, Pa.
Filed July 10, 1929. Serial No. 286,885. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,124. ARTIFICIAL SILK IN THE NATURE OF THREAD AND CELLULOSE-ACETATE AND VISCOSE-RAYON YARN. AMERICAN CHATILLON CORPORATION, New York, N. Y.
Filed July 11, 1929. Serial No. 286,913. PUBLISHED SEPTEMBER 10, 1929. Class 43.
- 264,125. ARTIFICIAL SILK IN THE NATURE OF THREAD AND CELLULOSE-ACETATE AND VISCOSE-RAYON YARN. AMERICAN CHATILLON CORPORATION, New York, N. Y.
Filed July 11, 1929. Serial No. 286,914. PUBLISHED SEPTEMBER 10, 1929. Class 43.
- 264,126. ARTIFICIAL SILK IN THE NATURE OF THREAD AND CELLULOSE-ACETATE AND VISCOSE-RAYON YARN. AMERICAN CHATILLON CORPORATION, New York, N. Y.
Filed July 11, 1929. Serial No. 286,915. PUBLISHED SEPTEMBER 10, 1929. Class 43.
- 264,127. WATCHES AND MOVEMENTS. GORRACH BROTHERS, New York, N. Y.
Filed July 13, 1929. Serial No. 287,066. PUBLISHED SEPTEMBER 10, 1929. Class 27.
- 264,128. CARPETS AND STAIR CARPETS OF TEXTILES. LEONHARD KOCH, doing business as Koch & Te Kock, Oelsnitz, Vogtland, Germany.
Filed June 26, 1929. Serial No. 286,181. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,129. WATCHES AND CLOCKS. JAEGER WATCH COMPANY, INC., New York, N. Y.
Filed July 3, 1929. Serial No. 286,569. PUBLISHED SEPTEMBER 10, 1929. Class 27.
- 264,130. WATCHES AND CLOCKS. JAEGER WATCH COMPANY, INC., New York, N. Y.
Filed July 3, 1929. Serial No. 286,570. PUBLISHED SEPTEMBER 10, 1929. Class 27.
- 264,131. CANNED FRUITS AND CANNED VEGETABLES. RAY-BROWN COMPANY, INC., Woodburn, Oreg.
Filed July 3, 1929. Serial No. 286,591. PUBLISHED AUGUST 20, 1929. Class 46.
- 264,132. MATCHES. AMTORG TRADING CORPORATION, New York, N. Y.
Filed August 6, 1929. Serial No. 288,168. PUBLISHED SEPTEMBER 10, 1929. Class 9.
- 264,133. MATCHES. AMTORG TRADING CORPORATION, New York, N. Y.
Filed August 6, 1929. Serial No. 288,169. PUBLISHED SEPTEMBER 10, 1929. Class 9.
- 264,134. MATCHES. AMTORG TRADING CORPORATION, New York, N. Y.
Filed August 6, 1929. Serial No. 288,170. PUBLISHED SEPTEMBER 10, 1929. Class 9.
- 264,135. MATCHES. AMTORG TRADING CORPORATION, New York, N. Y.
Filed August 6, 1929. Serial No. 288,171. PUBLISHED SEPTEMBER 10, 1929. Class 9.

- 264,136. MATCHES. AMTORG TRADING CORPORATION, New York, N. Y.
Filed August 6, 1929. Serial No. 288,172. PUBLISHED SEPTEMBER 10, 1929. Class 9.
- 264,137. STEEL DRUMS AND TANKS FOR SHIPPING AND STORING OILS AND GREASES. REEMAN MANUFACTURING COMPANY, Emeryville, Calif.
Filed May 31, 1927. Serial No. 249,808. PUBLISHED SEPTEMBER 3, 1929. Class 2.
- 264,138. MALT EXTRACTS AND MALT SYRUPS FORMING AN INGREDIENT OF FOODS. HAGEN-BECKER COMPANY, St. Paul, Duluth, and Minneapolis, Minn.
Filed June 20, 1927. Serial No. 250,795. PUBLISHED FEBRUARY 7, 1928. Class 46.
- 264,139. BLEACHED, UNBLEACHED, DYED, AND PRINTED TEXTILE FABRIC IN THE PIECE. FRED BUTTERFIELD & CO. INC., New York, N. Y.
Filed June 23, 1927. Serial No. 250,971. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,140. HEAT-TREATING BLOCKS, REFRACTORY TUBES, RESEARCH-FURNACE DOORS, ETC. THE MASSILLON REFRACTORIES COMPANY, Tuscarawas Township, Stark County, Ohio.
Filed September 12, 1927. Serial No. 254,639. PUBLISHED SEPTEMBER 10, 1929. Class 34.
- 264,141. GARMENT PRESSES. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y.
Filed January 4, 1928. Serial No. 259,702. PUBLISHED SEPTEMBER 3, 1929. Class 24.
- 264,142. PISTONS. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio.
Filed June 1, 1929. Serial No. 284,891. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,143. PISTONS. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio.
Filed June 1, 1929. Serial No. 284,892. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,144. PISTONS. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio.
Filed June 1, 1929. Serial No. 284,893. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,145. RUBBER TIRES. VOGUE RUBBER COMPANY, Chicago, Ill.
Filed February 20, 1928. Serial No. 262,006. PUBLISHED FEBRUARY 26, 1929. Class 35.
- 264,146. FISHHOOKS. O. MUSTAD & SON, Oslo, Norway.
Filed March 19, 1928. Serial No. 263,418. PUBLISHED SEPTEMBER 10, 1929. Class 22.
- 264,147. COSMETICS. ROSEMOND COSMETIC CO., Los Angeles, Calif.
Filed April 28, 1928. Serial No. 265,568. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,148. GRINDING MACHINES FOR SHARPENING KNIVES, HATCHETS, SCYTHES, AND ALL SIMILAR EDGED TOOLS AND CAN OPENERS. DAZNY CHURN & MANUFACTURING COMPANY, St. Louis, Mo.
Filed May 5, 1928. Serial No. 265,955. PUBLISHED SEPTEMBER 10, 1929. Class 23.
- 264,149. SPICES, CANDIED PEEL, MINCEMEAT, ETC. THE SOUTHERN CALIFORNIA SUPPLY CO. INC., Los Angeles, Calif.
Filed May 25, 1928. Serial No. 267,015. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,150. CANNED MEATS—NAMESLY, PORK, BEEF, AND MUTTON. TOYO SEIKAN KABUSHIKI KAISHA, Osaka, Japan.
Filed June 14, 1928. Serial No. 268,065. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,151. OIL BURNERS AND PARTS THEREFOR. JEREMIAH T. DRISCOLL, St. Louis, Mo.
Filed January 31, 1927. Serial No. 243,597. PUBLISHED SEPTEMBER 10, 1929. Class 34.

- 264,152. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CANNED LOBSTERS, COFFEE, SALAD DRESSING, SANDWICHES, OLIVES, CANNED OYSTERS, SPAGHETTI, PRESERVED FIGS, TABLE SYRUP, AND CANNED CHICKEN SOUP. GEORGE CALTIS, Atlanta, Ga.
Filed November 19, 1928. Serial No. 275,521. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,153. VEGETABLE SHORTENING. ASSOCIATED MEAT COMPANY, Los Angeles, Calif.
Filed April 17, 1928. Serial No. 264,942. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,154. A LAXATIVE AND PURGATIVE CAPSULE. ALBERT BERNARD HIRSCHMAN, San Pedro, Calif.
Filed October 10, 1928. Serial No. 278,597. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,155. TONIC DRINK IN POWDER FORM CONSISTING OF A COMPOSITION OF MALT MILK AND CHOCOLATE. MILCO LIMITED, doing business as V-Tone Company, Limited, Hamilton, Ontario, Canada.
Filed October 23, 1928. Serial No. 274,167. PUBLISHED DECEMBER 4, 1928. Class 46.
- 264,156. SILK AND COTTON PIECE GOODS. NATIONAL BELLAS HESS CO. INC., New York, N. Y.
Filed November 6, 1928. Serial No. 274,886. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,157. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING SAME. THE DONNETT & CO., INC., Chicago, Ill.
Filed August 20, 1928. Serial No. 271,324. PUBLISHED OCTOBER 9, 1928. Class 45.
- 264,158. PRESERVED FISH MEATS AND SAUCES—NAMESLY, ANCHOVY PASTE AND ESSENCE OF ANCHOVIES. C. OSBORN & CO., London, England.
Filed September 27, 1928. Serial No. 278,063. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,159. CANNED VEGETABLES. THE SEARS & NICHOLS CORPORATION, doing business as The Sears & Nichols Company and The Sears & Nichols Canning Company, Chillicothe, Ohio.
Filed October 2, 1928. Serial No. 273,259. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,160. CANNED VEGETABLES, CANNED FRUITS, CATSUP, AND CHILI SAUCE. THE SEARS & NICHOLS CORPORATION, Chillicothe, Ohio.
Filed October 2, 1928. Serial No. 273,265. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,161. VINEGAR. SPRENS MANUFACTURING CO., Kansas City, Mo.
Filed October 6, 1928. Serial No. 276,476. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,162. A LAXATIVE CAPSULE. ALBERT BERNARD HIRSCHMAN, San Pedro, Calif.
Filed October 10, 1928. Serial No. 278,596. PUBLISHED AUGUST 27, 1929. Class 6.
- 264,163. DRY POWDER TO BE MIXED WITH WATER AND USED AS A PLASTIC PAINT. THE MURALO COMPANY, INC., New Brighton, N. Y.
Filed May 7, 1929. Serial No. 283,643. PUBLISHED JUNE 18, 1929. Class 16.
- 264,164. DRY POWDER TO BE MIXED WITH WATER AND USED AS A PLASTIC PAINT. THE MURALO COMPANY, INC., New Brighton, N. Y.
Filed May 7, 1929. Serial No. 283,644. PUBLISHED JUNE 18, 1929. Class 16.
- 264,165. CERAMIC ENAMELS AND SIMILAR PRODUCTS. GENERAL COLOR PRODUCTS CO., Chicago, Ill.
Filed July 12, 1928. Serial No. 269,454. PUBLISHED SEPTEMBER 10, 1929. Class 16.
- 264,166. CLEANSING AND WASHING POWDER. HENRY & HENRY, INCORPORATED, Buffalo, N. Y.
Filed July 24, 1928. Serial No. 270,661. PUBLISHED SEPTEMBER 26, 1928. Class 4.
- 264,167. [WITHDRAWN.]
- 264,168. NAPKINS, TABLECLOTHS, AND DRAPERIES MADE OF LINEN. MARCEL BLUME, doing business as Fairlyland, Paris, France.
Filed August 8, 1928. Serial No. 270,764. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,169. AIR SPRINGS FOR VEHICLES. THE CLEVELAND PNEUMATIC TOOL COMPANY, Cleveland, Ohio.
Filed August 13, 1928. Serial No. 270,913. PUBLISHED SEPTEMBER 10, 1929. Class 19.
- 264,170. MALT SYRUP. RED OWL STORES, INCORPORATED, Minneapolis, Minn.
Filed August 17, 1928. Serial No. 271,198. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,171. BOTTLED POWDERED VEGETABLES. THE POWDERED VEGETABLE CORPORATION, New York, N. Y.
Filed April 16, 1929. Serial No. 282,488. PUBLISHED AUGUST 27, 1929. Class 46.
- 264,172. WATCHES. DA NATALE JEWELRY CO., New York, N. Y.
Filed April 26, 1929. Serial No. 288,033. PUBLISHED SEPTEMBER 10, 1929. Class 27.
- 264,173. FANCY WOOLEN-WORSTED SUITING IN THE PIECE. MORRIS M. SCHMIDT, Baltimore, Md.
Filed May 8, 1929. Serial No. 283,703. PUBLISHED SEPTEMBER 10, 1929. Class 42.
- 264,174. CIGARS. EMANUEL H. THALHEIMER, doing business as A. Kafka & Co., New Haven, Conn.
Filed May 21, 1929. Serial No. 284,422. PUBLISHED SEPTEMBER 10, 1929. Class 17.
- 264,175. GOLF BALLS. WILSON-WESTERN SPORTING GOODS COMPANY, Chicago, Ill.
Filed January 19, 1929. Serial No. 278,201. PUBLISHED MARCH 12, 1929. Class 22.
- 264,176. GOLF CLUBS AND TENNIS RACKETS. WILSON-WESTERN SPORTING GOODS COMPANY, Chicago, Ill.
Filed January 19, 1929. Serial No. 278,202. PUBLISHED MARCH 12, 1929. Class 22.
- 264,177. VINEGAR MADE FROM HONEY. LOUIS FARKAS, New York, N. Y.
Filed July 12, 1929. Serial No. 286,980. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,178. MAYONNAISE, FRENCH DRESSING, THOUSAND ISLAND DRESSING, AND SANDWICH RELISH. ROBERTS AND OAK, INC., Chicago, Ill.
Filed July 2, 1929. Serial No. 286,508. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,179. HOP-FLAVORED MALT POWDER FOR FOOD PURPOSES. E. D. TIPTON, doing business as U-Neck Products Company, Chicago, Ill.
Filed July 2, 1929. Serial No. 286,521. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,180. SUGAR MIXTURE FOR COATING DOUGH-NUTS, FRIED CAKES, AND OTHER BAKED GOODS. DOUGHNUT MACHINE CORPORATION, New York, N. Y.
Filed June 15, 1929. Serial No. 285,624. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,181. OLIVES, MARMALADES, FRUIT PRESERVES, HONEY, CANNED FRUITS, PICKLED AND PRESERVED FRUITS. IRA O. WELL, doing business as La Mirada Company, Chicago, Ill.
Filed June 15, 1929. Serial No. 285,645. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,182. LIVE BABY CHICKS, MATURED POULTRY STOCK, AND HATCHING EGGS. J. C. BOOTE, doing business as Boote's Hatcheries and Pullet Farms, Worthington, Minn.
Filed June 17, 1929. Serial No. 285,655. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,183. MATERIAL FOR IMPROVING THE COLOR, TEXTURE, AND FLAVOR OF BREAD. HARDESTY & STINEMAN, Pittsburgh, Pa.
Filed June 18, 1929. Serial No. 285,741. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,184. SALAD DRESSING. CHAS. D. MESCHTER, INC., Long Island City, N. Y.
Filed June 29, 1929. Serial No. 286,374. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,185. MALT SYRUP. RED SUN PRODUCTS COMPANY, Chicago, Ill.
Filed June 29, 1929. Serial No. 286,386. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,186. POWDERED AND LIQUID MALT EXTRACT. L. E. SILBERMAN, doing business as Colonial Products Co., Des Moines, Iowa.
Filed June 29, 1929. Serial No. 286,389. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,187. CHISELS, PUNCHES, PLIERS, ETC. MAYHEW STEEL PRODUCTS, INC., Shelburne Falls, Mass.
Filed March 22, 1929. Serial No. 281,153. PUBLISHED SEPTEMBER 10, 1929. Class 23.

264,188. PINS MADE OF NONPRECIOUS METAL. WILLIAM PRYM OF AMERICA, INC., New York, N. Y.
Filed July 26, 1929. Serial No. 287,727. PUBLISHED SEPTEMBER 10, 1929. Class 40.

264,189. SUGAR. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, Jersey City, N. J., and New York, N. Y.
Filed June 11, 1929. Serial No. 285,422. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,190. FLYING MACHINES. FLEET AIRCRAFT, INC., Buffalo, N. Y.
Filed July 8, 1929. Serial No. 286,752. PUBLISHED SEPTEMBER 3, 1929. Class 19.

264,191. BOLTS AND NUTS. DARDELET THREADLOCK CORPORATION, New York, N. Y.
Filed July 9, 1929. Serial No. 286,819. PUBLISHED SEPTEMBER 3, 1929. Class 13.

264,192. IRONING BOARDS. BEH & CO. INC., New York, N. Y.
Filed July 10, 1929. Serial No. 286,853. PUBLISHED SEPTEMBER 3, 1929. Class 24.

264,193. PAPER BAGS. GILMAN PAPER COMPANY, New York, N. Y.
Filed July 10, 1929. Serial No. 286,875. PUBLISHED SEPTEMBER 3, 1929. Class 2.

264,194. PAPER BAGS. GILMAN PAPER COMPANY, New York, N. Y.
Filed July 10, 1929. Serial No. 286,876. PUBLISHED SEPTEMBER 3, 1929. Class 2.

264,195. PAPER BAGS. GILMAN PAPER COMPANY, New York, N. Y.
Filed July 10, 1929. Serial No. 286,878. PUBLISHED SEPTEMBER 10, 1929. Class 2.

264,196. PAPER BAGS. GILMAN PAPER COMPANY, New York, N. Y.
Filed July 10, 1929. Serial No. 286,879. PUBLISHED SEPTEMBER 3, 1929. Class 2.

264,197. PAPER BAGS. GILMAN PAPER COMPANY, New York, N. Y.
Filed July 10, 1929. Serial No. 286,880. PUBLISHED SEPTEMBER 3, 1929. Class 2.

264,198. STEEL PIPE. BETHLEHEM STEEL COMPANY, Bethlehem, Pa.
Filed July 13, 1929. Serial No. 287,039. PUBLISHED SEPTEMBER 3, 1929. Class 13.

264,199. STRAINERS, SOAP SHAKERS, AND LADLES. HAMBLIN & RUSSELL MFG. CO., Worcester, Mass.
Filed June 18, 1929. Serial No. 285,739. PUBLISHED SEPTEMBER 10, 1929. Class 13.

264,200. LOCK WASHERS. CLEGG LOCK WASHER CORPORATION, Chicago, Ill.
Filed June 19, 1929. Serial No. 285,813. PUBLISHED SEPTEMBER 3, 1929. Class 13.

264,201. FURNACE AND BOILER FLUE BAFFLES. THE FUEL AND HEAT SAVING CO., Cleveland, Ohio.
Filed June 19, 1929. Serial No. 285,815. PUBLISHED SEPTEMBER 10, 1929. Class 34.

264,202. AIRPLANES. KREIDER-REISNER AIRCRAFT CO., INC., Hagerstown, Md.
Filed June 22, 1929. Serial No. 285,976. PUBLISHED SEPTEMBER 10, 1929. Class 19.

264,203. METAL CLAMPS FOR METAL CONDUIT, CABLE, AND PIPE. DIAMOND EXPANSION BOLT CO., Garwood, N. J.
Filed June 26, 1929. Serial No. 286,162. PUBLISHED SEPTEMBER 3, 1929. Class 13.

264,204. METAL CLAMPS FOR METAL CONDUIT, CABLE, AND PIPE. DIAMOND EXPANSION BOLT CO., Garwood, N. J.
Filed June 26, 1929. Serial No. 286,163. PUBLISHED SEPTEMBER 10, 1929. Class 13.

264,205. MERCHANDISE ENVELOPES. THE HINDS & DAUCH PAPER COMPANY, Sandusky, Ohio.
Filed June 27, 1929. Serial No. 286,248. PUBLISHED SEPTEMBER 3, 1929. Class 2.

264,206. AUTOMOBILES, MOTOR TRUCKS, MOTOR LORRIES, AND CONSTRUCTIVE PARTS THEREOF. REPUBLIC MOTOR TRUCK COMPANY, INC., Alma, Mich.
Filed July 8, 1929. Serial No. 286,795. PUBLISHED SEPTEMBER 3, 1929. Class 19.

264,207. VARNISHES. BENSON PAINT & VARNISH CO., Birmingham, Ala.
Filed August 3, 1929. Serial No. 288,054. PUBLISHED SEPTEMBER 10, 1929. Class 16.

264,208. COMMON BATHTUBS WITH LEGS AND BASE, DOUBLE-SHELL BATHS (CORNER AND RECESS), SINGLE-SHELL BATHS, APRON, AND ROLL-RIM SINKS, LAVATORIES (ONE-PIECE APRON AND ROLL RIM), LAUNDRY TRAYS, LAUNDRY TRAYS AND SINK COMBINATIONS, SINK LEGS, FOOT BATHS, SITZ BATHS, SHOWER STALLS, AND FLAT-RIM SINKS. THE ELLWOOD FOUNDRY AND MACHINE COMPANY, Ellwood City, Pa.
Filed June 4, 1929. Serial No. 285,022. PUBLISHED SEPTEMBER 10, 1929. Class 13.

264,209. PLUMBING FIXTURES—NAMESLY, PORCELAIN SOAP HOLDERS, PORCELAIN TUMBLER HOLDERS, PORCELAIN TOOTHBRUSH COMBINATIONS, PORCELAIN GRAB-RAIL AND SOAP COMBINATIONS, PORCELAIN TOILET-PAPER HOLDERS, PORCELAIN TOWEL BARS, PORCELAIN BATHROOM SHELVES AND BRACKETS. NEW JERSEY PORCELAIN COMPANY, Trenton, N. J.
Filed June 8, 1929. Serial No. 285,292. PUBLISHED SEPTEMBER 10, 1929. Class 13.

264,210. SEPARABLE FASTENERS OF THE SLIDER-CONTROLLED TYPE. MISHAWAKA RUBBER AND WOOLLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed June 17, 1929. Serial No. 285,684. PUBLISHED SEPTEMBER 10, 1929. Class 13.

264,211. GELATINE. THE COX GELATINE COMPANY, New York, N. Y.
Filed April 30, 1929. Serial No. 283,260. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,212. AEROPLANES, SEAPLANES, HYDROPLANES, FLYING BOATS, AMPHIBIAN MACHINES, AND AIRSHIPS. A. V. ROE & COMPANY LIMITED, Manchester, England.
Filed May 9, 1929. Serial No. 283,737. PUBLISHED SEPTEMBER 3, 1929. Class 19.

264,213. SAUCE FOR STEAK, FISH, ROASTS, AND THE LIKE. EVA M. WELLS, doing business as Merilleve Product Co., Bakersfield, Calif.
Filed July 2, 1929. Serial No. 286,524. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,214. RASPBERRY AND CURRANT PRESERVES. GRAPE JELLY, PEANUT BUTTER, ETC. M. POLANER & SON, Newark, N. J.
Filed July 3, 1929. Serial No. 286,544. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,215. SUGAR. THE LACTEIN CO., San Francisco, Calif.
Filed July 3, 1929. Serial No. 286,574. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,216. OLIVE OIL. A. MESSURI & SON, New York, N. Y.
Filed July 3, 1929. Serial No. 286,578. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,217. ICE CREAM. W. B. MACKENNEY, doing business as W. B. MacKenney Co., Philadelphia, Pa.
Filed July 8, 1929. Serial No. 286,786. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,218. HOLLOW EDIBLE PASTRY CONTAINERS DESIGNED TO RECEIVE A FILLER OF ICE CREAM, MARSHMALLOW, PUDDING, OR CONFECTION. HAROLD E. COLE, doing business as Dripless Ice Cream Sandwich Company, Taunton, Mass.
Filed July 9, 1929. Serial No. 286,814. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,219. A FOOD PREPARATION COMPRISING COCOA, PULVERIZED CANE SUGAR, AND YEAST. SAMUEL E. GUIDICI, doing business as The Vitacocoa Company, New York, N. Y.
Filed July 11, 1929. Serial No. 286,988. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,220. PEPPERSAUCE, PREPARED MUSTARD, HOT RELISH, ETC. E. A. ZATARAIN & SONS, INCORPORATED, New Orleans, La.
Filed February 16, 1929. Serial No. 279,514. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,221. CANDIES, CAKES, CANDIED, AND PRE-SERVED FRUITS, AND JELLIES. EDWIN KAUFFMANN, St. Louis, Mo.
Filed April 10, 1929. Serial No. 282,187. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,222. CANNED FISH AND CANNED SEA FOOD—NAMESLY, TUNA, SARDINES, MACKEREL, SALMON, CRAB MEAT, OYSTERS, SHRIMP, CLAMS, AND LOBSTER. SEBASTIAN MESSCHER, doing business as Messcher Brokerage Co., Chicago, Ill.
Filed March 23, 1929. Serial No. 281,223. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,223. AUTOMOBILES. MARMON MOTOR CAR COMPANY, Indianapolis, Ind.
Filed January 21, 1929. Serial No. 278,227. PUBLISHED SEPTEMBER 10, 1929. Class 19.

264,224. STUFFED TOYS. LOUIS I. BLOOM, doing business as American Made Toy Company, Brooklyn and New York, N. Y.
Filed May 13, 1929. Serial No. 283,940. PUBLISHED SEPTEMBER 10, 1929. Class 22.

264,225. AQUATIC AMUSEMENT APPLIANCE. COOLAY MANUFACTURING COMPANY, Chicago, Ill.
Filed May 26, 1929. Serial No. 284,722. PUBLISHED SEPTEMBER 10, 1929. Class 22.

264,226. PROTECTIVE PAINTS FOR TIRE CASINGS AND AUTO TOPS. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed May 29, 1929. Serial No. 284,784. PUBLISHED SEPTEMBER 10, 1929. Class 16.

264,227. A MEDICINAL PREPARATION FOR THE TREATMENT OF COUGHS, HOARSENESS, HOARSENESS OF VOICE, AND MINOR BRONCHIAL IRRITATIONS. S. PRISBY MFG. CO., St. Louis, Mo.
Filed May 31, 1929. Serial No. 284,872. PUBLISHED SEPTEMBER 3, 1929. Class 6.

264,228. A FILLER FOR WINDOW SHADES. RE-NU WINDOW SHADE COMPANY, San Francisco, Calif.
Filed January 30, 1927. Serial No. 278,661. PUBLISHED AUGUST 27, 1929. Class 6.

264,229. A PREPARATION TO BE APPLIED TO THE FACE, NECK, HANDS, ARMS, AND LEGS TO GIVE A TANNED APPEARANCE. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed February 5, 1929. Serial No. 278,909. PUBLISHED SEPTEMBER 3, 1929. Class 6.

264,230. GLYCERINE. GEORGE SCHICHT A. G., Aussig, Czechoslovakia.
Filed February 15, 1929. Serial No. 279,393. PUBLISHED SEPTEMBER 3, 1929. Class 6.

264,231. ANTISEPTIC SUPPOSITORIES, ANTISEPTIC POWDER, AND ANTISEPTIC JELLY. BENDINER & SCHLESINGER, INC., New York, N. Y.
Filed February 26, 1929. Serial No. 279,808. PUBLISHED SEPTEMBER 3, 1929. Class 6.

264,232. NASCENT OXYGEN PREPARATIONS FOR USE AS A GENERAL OXIDIZING AGENT TO REMOVE IMPURITIES FROM THE HUMAN SYSTEM, AND DESTROY PARASITES, ACTING AS A LAXATIVE, REJUVENATING AGENT, AND BLOOD PURIFIER. F. M. EUGENE BLASS, doing business as The E. Am. Ass'n. for Oxygen-Therapy, New York, N. Y.
Filed March 5, 1929. Serial No. 280,215. PUBLISHED AUGUST 13, 1929. Class 6.

264,233. WITCH-HAZEL AND MASSAGE CREAM. LILY A. THOMAS, doing business as L. A. Thomas & Co., Union City, N. J.
Filed April 8, 1929. Serial No. 282,073. PUBLISHED SEPTEMBER 3, 1929. Class 6.

264,234. A MOUTH REPELLANT MADE IN THE FORM OF TABLETS, POWDER, AND LIQUID SPRAY. EMANUEL T. BLAU, doing business as Super Chemical Products Co., New York, N. Y.
Filed May 3, 1929. Serial No. 283,430. PUBLISHED AUGUST 27, 1929. Class 6.

264,235. AN HERB TEA FOR THE TREATMENT OF DIABETES. MOTOGADA KAJIMA, doing business as Kajimaya Herb Tea Company, San Francisco, Calif.
Filed March 29, 1929. Serial No. 281,559. PUBLISHED SEPTEMBER 3, 1929. Class 6.

264,236. ACCOUNTING MACHINES, ADDING TYPE-WRITERS, CALCULATING AND COMPUTING MACHINES, AND REGISTERING DEVICES FOR COMPUTING, CALCULATING, ACCOUNTING, AND RECORDING PERFORMED BY SUCH MACHINES. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed March 30, 1929. Serial No. 281,615. PUBLISHED SEPTEMBER 10, 1929. Class 26.

264,237. ACCOUNTING MACHINES, ADDING TYPE-WRITERS, CALCULATING AND COMPUTING MACHINES, AND REGISTERING DEVICES FOR COMPUTING, CALCULATING, ACCOUNTING, RECORDING PERFORMED BY SUCH MACHINES. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed March 30, 1929. Serial No. 281,616. PUBLISHED SEPTEMBER 10, 1929. Class 26.

264,238. MATTRESSES AND BED SPRINGS. BARKER BROS. INCORPORATED, Los Angeles, Calif.
Filed April 1, 1929. Serial No. 281,647. PUBLISHED SEPTEMBER 10, 1929. Class 32.

264,239. ASBESTOS LEAD-JOINT RUNNERS, PINCH BARS, BOX CHISELS, ETC. THE ATLAS TOOL MFG. CO., INC., New York, N. Y.
Filed May 10, 1929. Serial No. 283,773. PUBLISHED SEPTEMBER 10, 1929. Class 23.

264,240. OIL AND GAS WELL EQUIPMENT—NAMESLY, ROTARY SAND PUMPS, HYDRAULIC SUCKER-ROD SHOCK ABSORBERS, AND FINISHED CASTINGS FORMING PARTS THEREOF. BURNS SPECIALTY CO., INC., Haynesville, La.
Filed May 18, 1929. Serial No. 284,108. PUBLISHED SEPTEMBER 10, 1929. Class 23.

- 264,241. COAL-TAR DYES SUITABLE FOR THE PRODUCTION OF LAKES. GEIGY COMPANY, INC., New York, N. Y.
Filed May 22, 1929. Serial No. 284,451. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,242. COAL-TAR DYES SUITABLE FOR THE PRODUCTION OF PRINTING INKS. GEIGY COMPANY, INC., New York, N. Y.
Filed May 22, 1929. Serial No. 284,452. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,243. AN ATHLETIC SUPPORTER. THE KENDALL COMPANY, Boston, Mass., and Chicago, Ill.
Filed July 25, 1929. Serial No. 287,663. PUBLISHED SEPTEMBER 10, 1929. Class 44.

- 264,244. SUSPENSORY. THE KENDALL COMPANY, Boston, Mass., and Chicago, Ill.
Filed July 25, 1929. Serial No. 287,664. PUBLISHED SEPTEMBER 10, 1929. Class 44.
- 264,245. SUSPENSORY. THE KENDALL COMPANY, Boston, Mass., and Chicago, Ill.
Filed July 25, 1929. Serial No. 287,665. PUBLISHED SEPTEMBER 10, 1929. Class 44.
- 264,246. GOLF AND TENNIS BALLS. TUBA BALLS CORPORATION, Chicago, Ill.
Filed July 27, 1929. Serial No. 287,782. PUBLISHED SEPTEMBER 10, 1929. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

- 264,247. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LEO E. DWYER, doing business as National Screen Co., Cleveland, Ohio. Filed Dec. 21, 1927. Serial No. 259,202.

CRYSTAL

For Motion-Picture Screens.
Claims use since Oct. 1, 1927.

- 264,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. SCHERRER, doing business as Hed-Eze Remedy Co., Rochester, N. Y. Filed Jan. 19, 1928. Serial No. 260,356.

Bolt-Eze

For Medicine for Headache.
Claims use since Oct. 1, 1927.

- 264,249. (CLASS 39. CLOTHING.) BARNETT BROS., New York, N. Y. Filed June 9, 1928. Serial No. 267,740.

ICELAND

For Flannel Outer Shirts and Lumberjackets.
Claims use since Jan. 1, 1928.

- 264,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IMPERIAL VALLEY GRAPEFRUIT GROWERS, El Centro, Calif. Filed Mar. 6, 1928. Serial No. 262,661.

No-Need-a-Sugar

For Grapefruit in Its Natural State.
Claims use since Nov. 3, 1927.

- 264,251. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) VALEN VERBINCOTS I'FRIENFABRIKEN VORM. GERHARD OTT UND ZIENER & ELLENBERGER AKTIENGESELLSCHAFT, Nuremberg, Germany. Filed Oct. 29, 1928. Serial No. 274,483.

Dr. Perl

For Tobacco Pipes, Parts of Pipes; Cigar Holders, Cigarette Holders of Bruyere Wood, Amber, Ebonite, Celluloid, Galalith, Ivory, and Other Substances; Pipe Pouches, Tobacco Pouches; Cases for Pipes, Cigar Holders, Cigarette Holders, and for Pipe Cleaners; Metallic Parts of Pipes—That is, Rings, Lids, Etc.
Claims use since July 1, 1921.

- 264,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EARLE C. HAAS, doing business as Medical Kartridge Company, Denver, Colo. Filed Oct. 15, 1928. Serial No. 273,816.

KLORAMENE

For Antiseptic Germicide to be Applied Dry to Any Mucous Surface.
Claims use since on or about Oct. 1, 1928.

- 264,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN DIMAS ORANGE GROWERS ASSOCIATION, San Dimas, Calif. Filed Oct. 3, 1928. Serial No. 273,819.

FAMOUS FOR FLAVOR

For Fresh Citrus Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Jan. 1, 1912.

- 264,254. (CLASS 39. CLOTHING.) BEAR BRAND Hosiery Co., Chicago, Ill. Filed Sept. 24, 1928. Serial No. 272,853.

ANDOVER

For Hosiery.
Claims use since Sept. 18, 1928.

- 264,255. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING McEWEN, Omaha, Nebr. Filed Aug. 27, 1928. Serial No. 271,613.

PIXOLEUM

For Liquid Disinfectant, Insecticide, and Wood-Preservative Preparation.
Claims use since Aug. 15, 1928.

- 264,256. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING McEWEN, Omaha, Nebr. Filed Aug. 22, 1928. Serial No. 271,402.

SPRATOX

For a Liquid Insecticide Preparation.
Claims use since Aug. 15, 1928.

- 264,257. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOUGHERTY GRAPE GROWERS ASSOCIATION, Acampo, Calif. Filed Oct. 1, 1929. Serial No. 290,455.

DOUGHERTY

For Fresh Grapes.
Claims use since Oct. 1, 1927.

- 264,258. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Sept. 21, 1929. Serial No. 290,054.

DUST-TITE

For Watchcases.
Claims use since about August, 1923.
388 O. G.—38

- 264,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON SUPPLY CO., Richmond Hill, Long Island, N. Y. Filed Sept. 10, 1929. Serial No. 289,591.

OREGON

For Malt Syrup.
Claims use since March, 1928.

- 264,260. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ADJUSTA CO., New York, N. Y. Filed Aug. 24, 1929. Serial No. 288,947.

PIN-LES

For Buckles Made of Nonprecious Metal for Personal Wear—Namely, for Men's, Women's, and Children's Belts, Garters, Hats, and Caps, and for Women's Undergarments.
Claims use since June 5, 1926.

- 264,261. (CLASS 39. CLOTHING.) H. D. BOB COMPANY INC., New York, N. Y. Filed Aug. 19, 1929. Serial No. 288,691.

Brittany PASTELLES

For Men's and Boys' Dress, Negligee, and Work Shirts, Blouses, and Windbreakers Made of Cotton, Linen, Rayon, Silk, Flannel, Wool, Worsted, and Other Textiles.
Claims use since July, 1927.

- 264,262. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN W. EMREY, doing business as Dryform Mfg. Co., Little Rock, Ark. Filed July 18, 1929. Serial No. 287,288.

DRYFORM

For Powder for Use in Preparing a Permanent-Waving Solution.
Claims use since January, 1927.

264,263. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FALLS CITY ICE & BEVERAGE COMPANY, Louisville, Ky. Filed June 1, 1929. Serial No. 284,904.

Falls City

For Ginger Ale and Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since January, 1924.

264,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. BRILL CO., INC., Newark, N. J. Filed Apr. 24, 1929. Serial No. 282,905.

BRILL'S



For Icings for Cakes.
Claims use since July 26, 1928.

264,265. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OUTLET EMBROIDERY SUPPLY CO. INC., New York, N. Y. Filed Mar. 30, 1929. Serial No. 281,617.



For Angora Wool.
Claims use since January, 1928.

264,266. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) A. B. FARQUHAR COMPANY, LIMITED, York, Pa. Filed Mar. 30, 1929. Serial No. 281,601.

NON-WRAP

For Manure Spreaders.
Claims use since Aug. 7, 1928.

264,267. (CLASS 39. CLOTHING.) RACINE FEET KNOTTING COMPANY, South Beloit, Ill. Filed Mar. 21, 1929. Serial No. 281,098.

NEW FASHION

For Ladies' Stockings.
Claims use since about Sept. 14, 1928.

264,268. (CLASS 12. CONSTRUCTION MATERIALS.) FARLEY & LOETSCHER MFG. CO., Dubuque and Des Moines, Iowa; Chicago, Ill.; and Sioux Falls, S. Dak. Filed Mar. 9, 1929. Serial No. 280,479.

Qualitybilt

For Doors, Gates, Door Frames, Jambs, Transoms, Slide Lights, Louvres, Window Frames and Sash; Storm, Porch, and Hotbed Sash; Framed Insect Screens, Astragals and Stiekings; Window, Door, and Interior Trim; Corner Beads, Thresholds, Flooring, Door and Window Blinds and Shutters, Structural Panels, Paneling, Wainscoting, Baseboards, Stringers, Moldings, Rails, Columns, Colonades, Opening Arches, Mantels, Mantel Shelves, Ceiling Beams and Coves, Cornices; Cornice, Bay, Hood, and Porch Brackets; Rafter Ends, Stairs; Stair Treads, Risers, Landings, Newels, Rails, and Pickets; Disappearing Stairways, Entrances, Arbors, Trellises, Lattices, Pergolas, Wood Pailings and Pickets, Wood Fences and Fencing, Lumber and Millwork Lumber, and Woodwork Used in the Construction of Interiors and Exteriors of Buildings Manufactured and Assembled Together Ready for the Carpenters and Painters to Install.

Claims use since 1920.

264,269. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HAMILTON OXLEY CORNWALL, doing business as House of Dollar Specials, New York, N. Y. Filed Mar. 8, 1929. Serial No. 280,438.

HOUSE OF DOLLAR SPECIALS

For Pincushions.
Claims use since Sept. 1, 1928.

264,270. (CLASS 39. CLOTHING.) WILLIAM B. FITZGERALD, Worcester, Mass. Filed Mar. 5, 1929. Serial No. 280,239.

FITZWEL

For Girdles, Corsets, and Garter Belts.
Claims use since Jan. 2, 1928.

264,271. (CLASS 12. CONSTRUCTION MATERIALS.) THE WALLFILL CO., Chicago, Ill. Filed Feb. 4, 1929. Serial No. 278,860.

WALLFILL

For Heat, Sound, and Combustion Insulating Materials.
Claims use since about June 1, 1928.

264,272. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MARIETTA PAINT & COLOR CO., Marietta, Ohio. Filed Jan. 30, 1929. Serial No. 278,653.

SANDSEAL

For a Prepared Shellac Preparation Which is Ready for Use.
Claims use since Oct. 1, 1928.

264,273. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HI-WAY SERVICE CORPORATION, Milwaukee, Wis. Filed Oct. 5, 1929. Serial No. 290,702.

WAUSAU

For Snowplows.
Claims use since Oct. 1, 1925.

264,274. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. CHURCHMAN, doing business as Churchman Coffee Co., Kansas City, Mo. Filed Oct. 7, 1929. Serial No. 290,743.

AL-BU-MIN-IZED

For Coffee.
Claims use since Aug. 1, 1928.

264,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SADIE BANKER, doing business as Everett Malt Products Co., Everett, Mass. Filed Aug. 29, 1929. Serial No. 289,144.

OLD TAYLOR

For Malt Syrup.
Claims use since May 10, 1928.

264,276. (CLASS 11. INKS AND INKING MATERIALS.) CONSOLIDATED RIBBON & CARBON COMPANY, Chicago, Ill. Filed Sept. 14, 1929. Serial No. 289,785.

Everbest

For Carbon Paper.
Claims use since about 1927.

264,277. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Dr. G. A. KLOCK, Daytona Beach, Fla. Filed Aug. 23, 1929. Serial No. 288,914.

**KLOCK'S
FLU CAPSULES**

For Capsules for the Treatment of Influenza.
Claims use since Jan. 1, 1920.

264,278. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANDREW BROWN CO., INC., Los Angeles, Calif. Filed Aug. 21, 1929. Serial No. 288,781.

MOR-BLACK

For Lacquer.
Claims use since Oct. 1, 1928.

264,279. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed Aug. 19, 1929. Serial No. 288,717.

Bradstreet

For Men's Leather Shoes.
Claims use since Mar. 2, 1925.

264,280. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS HALLER, doing business as Haller's Bird Store, Cincinnati, Ohio. Filed Aug. 19, 1929. Serial No. 288,705.

**DUTCH
SONG RESTORER**

For Bird Food.
Claims use since September, 1914.

264,281. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BJORLIN BAKING CO., Duluth, Minn. Filed Aug. 19, 1929. Serial No. 288,688.

Oat Meal Krisp

For Bread.
Claims use since Sept. 1, 1925.

264,282. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE AMERICAN NATIONAL COMPANY, Toledo, Ohio. Filed July 22, 1929. Serial No. 287,443.

American

For Juvenile Vehicles in the Nature of Toys, Namely, Aeroplanes, Automobiles, Bicycles, Doll Carriages, Pedal Cars, Hand Cars, Locomotives, Motor and Sail Boats, Scooters, Sulkies, Velocipedes, Trucks, Wagons, Walkabout Baby Bikes, and Wheelbarrows.

Claims use since 1900.

264,283. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SUSQUEHANNA SILK MILLS, New York, N. Y. Filed July 3, 1929. Serial No. 286,607.

Renard

For Silk Piece Goods.
Claims use since May, 1928.

264,284. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TOBE DEUTSCHMANN CORPORATION, Canton, Mass. Filed June 11, 1929. Serial No. 285,410.

TRANSFORMER

For A-Battery Eliminators.
Claims use since Sept. 14, 1928.

264,285. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) OSCAR OLSON, Windom, Minn. Filed June 5, 1929. Serial No. 285,111.

QUALITY CLEANER

For a Cleaner for Carpets, Rugs, Pasteurizers, Bottle Machines, Milk Cans, Bottles, Automobiles, Motors, Walls, Ceilings, Clothes, Dishes, and Cooking Utensils.

Claims use since Apr. 25, 1924.

264,286. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Danville, Ill. Filed May 25, 1929. Serial No. 284,597.

York Shingle Tile

For Roofing Tile.
Claims use since Aug. 15, 1927.

264,287. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARVEY HUBBELL, INCORPORATED, Bridgeport, Conn. Filed Mar. 28, 1929. Serial No. 281,493.

"Twist Lock"

For Electric Flush Receptacles, Attachment-Plug Caps, Cord-Coupling Caps, Couplings, Connectors, Motor Couplings, Attachment Plugs, and Motor Plugs.

Claims use since Oct. 28, 1926.

264,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEGES BROTHERS FRUIT CO., Los Angeles, Calif. Filed Mar. 5, 1929. Serial No. 280,214.

VERYSWEET

For Fresh Citrus Fruits.
Claims use since Dec. 15, 1925.

264,289. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BUCKINGHAM RADIO CORPORATION, Chicago, Ill. Filed Mar. 1, 1929. Serial No. 280,103.

Buckingham

For Radio Receiving Sets and Parts Thereof and Loud-Speakers Built Into the Sets.

Claims use since Aug. 1, 1925.

264,290. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) BLANCHE CERVELLI, San Francisco, Calif. Filed Feb. 11, 1929. Serial No. 279,183.

Deaurville

For Hairbrushes.
Claims use since Aug. 15, 1929.

264,291. (CLASS 39. CLOTHING.) HOOVER MFG. CO., New York, N. Y. Filed Feb. 6, 1929. Serial No. 278,942.

HOOVER

For Coats, Sweaters, Uniforms; Dress, Negligee, and Sport Shirts of Textile Material for Outer Wear; Collars, Caps, Pants for Barbers, Manicurists, Cooks, Waiters, Waitresses, and Housewives.

Claims use since about Feb. 1, 1928.

264,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CHEMICAL & DRUG CO., INC., Olyphant, Pa. Filed Feb. 5, 1929. Serial No. 278,883.

BALM-MINT

For a Liniment in a Solidified Form for Chest Colds, Cough, Sore Throat, Croup, Whooping Cough, Pneumonia, Influenza, Bronchitis, Cuts, Scratches, Insect Stings, Burns, Frost Bites, Itchings, Sunburn, Sprains, Muscular Soreness, and Catarrh.

Claims use since Oct. 11, 1928.

264,293. (CLASS 39. CLOTHING.) HYMAN SCHULTZ, doing business as Schultz and Company, Terre Haute, Ind. Filed Feb. 4, 1929. Serial No. 278,849.

SCHULTZ & CO.

For Hats and Caps of All Kinds for Men and Boys; Men's Suits, Topcoats, and Overcoats; Underwear of Knitted, Netted, and Textile Fabrics for Use by Men, Women, and Children; and Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.

Claims use since Sept. 1, 1928.

264,294. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN S. WHITE, Bronx, N. Y. Filed Jan. 12, 1929. Serial No. 277,931.

SHIPAERIAL

For Radio Antenna Wire.
Claims use since July 1, 1927.

264,295. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FAULT-LESS PRODUCTS CO., New York, N. Y. Filed Nov. 27, 1928. Serial No. 275,890.

FAULT-LESS

For Washing Powder.
Claims use since Jan. 1, 1925.

264,296. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PAUL G. HOFFMAN CO. INC., Los Angeles, Calif. Filed Nov. 14, 1928. Serial No. 275,280.

CERTIFIED EIGHT

For Automobiles.
Claims use since Oct. 1, 1928.

264,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Nov. 14, 1928. Serial No. 275,260.

COUGH STOPS

For Candy.
Claims use since Sept. 15, 1928.

264,298. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 26, 1928. Serial No. 274,322.

ADAMS

For Fishing Reels.
Claims use since on or about Oct. 5, 1928.

264,299. (CLASS 39. CLOTHING.) I. SCHWARTZMAN & COMPANY, INC., Baltimore, Md. Filed Sept. 19, 1928. Serial No. 272,674.

GOUCHER GARMENT

For Ladies' Apparel—Namely, Coats, Suits, and Dresses.
Claims use since Aug. 23, 1928.

264,300. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DRAFT-A-JUSTOR CORPORATION, Chicago, Ill. Filed July 20, 1928. Serial No. 269,890.

DRAFT-A-JUSTOR

For Dampers and Hand and Automatic Mechanical Draft Controls.
Claims use since on or about June 1, 1928.

264,301. (CLASS 37. PAPER AND STATIONERY.) PRATT-MALLORY COMPANY, Sioux City, Iowa. Filed June 4, 1928. Serial No. 267,457.

"OF COURSE"
MALLORY'S

For Paper Products—Namely, Writing Paper, Wrapping Paper, Wax Paper, Correspondence Paper, Envelopes, Toilet Paper, Tissue Paper, Paper Towels, Paper Napkins, Parchment Paper, and Decorating Paper—Namely, Crepe Paper. Claims use since Mar. 8, 1926.

264,302. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Mar. 1, 1928. Serial No. 262,457.

HARLEY-DAVIDSON
1/4 Ton Capacity Package Truck

For Motor-Cycle Trucks.
Claims use since Feb. 16, 1928.

264,303. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PNEUMATIC BOAT CORPORATION, Inc., Newark, N. J. Filed Jan. 31, 1928. Serial No. 260,955.



For Pneumatic Boats, Pneumatic Rafts, Pneumatic Floats, Salls, Oars.
Claims use since Jan. 7, 1928.

264,304. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE REEVES MANUFACTURING COMPANY, Dover, Ohio. Filed Aug. 4, 1927. Serial No. 253,048.

"Snaplok"

For Stovepipes.
Claims use since July 12, 1927.

LABELS

REGISTERED NOVEMBER 19, 1929

36,641.—Title: A B C. For Bread. A B C BREAD & BAKING COMPANY, Sheffield, Ala. Published September 14, 1929.

36,642.—Title: ANDERSEN'S TEC-STONE. For Preparation to be Used in Filling Cracks and Crevices in Iron and Stone, and to Replace Decayed Wood. CHARLES M. ANDERSEN, doing business as Andersen Specialty Co., Chicago, Ill. Published September 5, 1929.

36,643.—Title: THEODORE ROBERTS. For Cigars. ARCADIA CIGAR CO., Milwaukee, Wis. Published June 8, 1929.

36,644.—Title: LA VERNE. For Smoked Meats. ASSOCIATED MEAT COMPANY OF CALIFORNIA, Los Angeles, Calif. Published July 15, 1928.

36,645.—Title: ASTHMATONE. For Preparation for the Treatment of Asthma. THE ASTHMATONE COMPANY, Minneapolis, Minn. Published September 2, 1929.

36,646.—Title: STONE-KRAFT. For Paint. J. S. BOOTH, Dallas, Tex. Published August 20, 1929.

36,647.—Title: CLEAN 'EM QUICK AUTO POLISH. For Auto Polish. HARRY R. BROWN, Los Angeles, Calif. Published January 1, 1929.

36,648.—Title: CARAVAN. For Pitted Dates. THE CARAVAN COMPANY, West Orange, N. J. Published May 1, 1928.

36,649.—Title: DE VALEÉ. For Hosiery. DE VALEÉ, INC., Lansdale, Pa. Published September 16, 1929.

36,650.—Title: GAMA LLAMA CLOTH. For Cloth. GAMESON, INC., New York, N. Y., and Philadelphia, Pa. Published September 7, 1929.

36,651.—Title: MCKEES ROCKS BAKING CO., FAMOUS BREAD. For Bread. CHESTER GLOWACKI, doing business as McKees Rocks Baking Co., McKees Rocks, Pa. Published September 30, 1929.

36,652.—Title: SHY - M AUTO POLISH. For Auto and Furniture Polish. FRANKLIN O. HAYDEN, Morgantown, W. Va. Published August 5, 1929.

36,653.—Title: KOLSTER RADIO. For a Radio Receiving Set. KOLSTER RADIO CORPORATION, Newark, N. J. Published August 6, 1929.

36,654.—Title: LEITSON'S RYE BREAD. For Bread. ISRAEL LEITSON, doing business as Michigan Baking Company, Flint, Mich. Published July 1, 1929.

36,655.—Title: KARBRITE AUTO LAUNDRIES. For a Preparation for Cleaning, Finishing, and Polishing Automobiles. WILLIAM B. LEVY, doing business as Karbrite System, Chicago, Ill. Published July 1, 1929.

36,656.—Title: CACTUS PLANT. For a Medicine. CONSTANTINOS MOSQUIDES, Youngstown, Ohio. Published September 17, 1929.

36,657.—Title: GREEN LINE. For Fresh Apples. MUTUAL FRUIT DISTRIBUTORS, Wenatchee, Wash. Published September 1, 1929.

36,658.—Title: BLUE LINE. For Fresh Apples. MUTUAL FRUIT DISTRIBUTORS, Wenatchee, Wash. Published September 1, 1929.

36,659.—Title: PRATTLOW BRAND YELLOW CLING PEACHES. For Canned Peaches. PRATT-Low PRESERVING COMPANY, Santa Clara, Calif. Published September 18, 1929.

36,660.—Title: RAG DOLL BRAND PEACH COMPOTE. For Canned Peaches. PRATT-Low PRESERVING COMPANY, Santa Clara, Calif. Published September 14, 1929.

36,661.—Title: PRATTLOW BRAND FANCY CALIFORNIA VEGETABLES FOR SALAD. For Vegetable Salad. PRATT-Low PRESERVING COMPANY, Santa Clara, Calif. Published April 24, 1929.

36,662.—Title: RESTORIA. For Medicine. RESTORIA CORPORATION, Milwaukee, Wis. Published June 8, 1929.

36,663.—Title: ROYAL DE LUXE. For Cigars. HOWARD SHAFTEL, Brooklyn, N. Y. Published October 10, 1929.

36,664.—Title: GOLDEN RAY MALT EXTRACT. For Malt Extract. SILVER'S HOME SUPPLY, Brooklyn, N. Y. Published September 1, 1929.

36,665.—Title: TAYLOR OIL LINIMENT. For Liniment. G. C. TAYLOR CO., Fairport, N. Y. Published September 10, 1929.

36,666.—Title: SUNNYFIELD FASHION CAPS. For Caps. TRADE LITHOGRAPH & PRINTING COMPANY, INC., New York, N. Y. Published May 1, 1929.

36,667.—Title: ROGAN CAPS. For Caps. TRADE LITHOGRAPH & PRINTING COMPANY, New York, N. Y. Published May 1, 1929.

36,668.—Title: ANGOSTURA DRY. For Ginger Ale. J. W. WUPPERMANN ANGOSTURA BITTERS AGENCY, INC., New York, N. Y. Published October 15, 1929.

PRINTS

REGISTERED NOVEMBER 19, 1929

12,185.—Title: THE SKY RING. For Toy Airplanes. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,186.—Title: THE LONE EAGLE. For Toy Airplanes. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,187.—Title: THE MINUTE MAN. For Toy Electric-Railway Trains. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,188.—Title: THE WARRIOR. For Toy Electric-Railway Trains. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,189.—Title: THE RANGER. For Toy Electric-Railway Trains. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,190.—Title: OLD IRONSIDES. For Toy Electric-Railway Trains. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,191.—Title: THE PATHFINDER. For Toy Electric-Railway Trains. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,192.—Title: THE LONE SCOUT. For Toy Electric-Railway Trains. AMERICAN FLYER MFG. CO., Chicago, Ill. Published September 30, 1929.

12,193.—Title: AUFENGER STUDIOS, INC. For Portraits. AUFENGER STUDIOS INCORPORATED, Norfolk and Roanoke, Va. Published March 2, 1929.

12,194.—Title: WHEN YOU BUY YOUR NEXT STOCKINGS. For Gordon Hosiery. BROWN DURRELL COMPANY, Boston, Mass. Published October 8, 1929.

12,195.—Title: FOR EACH . . . HER OWN INDIVIDUALLY-PROPORTIONED STOCKINGS BY GORDON. For Hosiery. BROWN DURRELL COMPANY, Boston, Mass. Published September 24, 1929.

12,196.—Title: SHORT, AVERAGE, OR LONG LEGS . . . PLUMP OR SLENDER LEGS . . . NOW EACH HAS A GORDON INDIVIDUALLY-PROPORTIONED STOCKING. For Hosiery. BROWN DURRELL COMPANY, Boston, Mass. Published October 1, 1929.

12,197.—Title: STEPHEN B. ELKINS, III—A SKILLFUL HOUSEMAN AT TWELVE. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 10, 1929.

12,198.—Title: HOME FROM SCHOOL—AND HUNGRY. For Heinz 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published October 1, 1929.

12,199.—Title: HERMANN. For Machinery Used in Refining Paper and Pulp. THE HERMANN MANUFACTURING COMPANY, doing business as Hermann, Lancaster, Ohio. Published December 3, 1928.

12,200.—Title: BABETTE. For Dolls. IDEAL NOVELTY & TOY CO., Brooklyn, N. Y. Published July 5, 1929.

12,201.—Title: CARAVAN. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published June 1, 1929.

12,202.—Title: IN THE SPORTING MANNER FOR THE SPORTSWOMAN. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published July 1, 1929.

12,203.—Title: THE STONE OF HEAVEN. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published March 1, 1929.

12,204.—Title: MILK SHAKE. For Candy Bars. F. A. MARTOCCIO COMPANY, doing business as Hollywood Candy Co., Minneapolis, Minn. Published October 10, 1929.

12,205.—Title: IT'S YOUR OPINION THAT INTERESTS US BECAUSE WE MAKE CAMELS FOR YOU TO SMOKE AND ENJOY. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published May 13, 1929.

12,206.—Title: MOMENTS THAT MATTER. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published August 1, 1929.

12,207.—Title: IT'S ALL THE SAME TO ME—JUST SO I GET A CAMEL. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published July 20, 1929.

12,208.—Title: GOOD LINES. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published July 8, 1929.

12,209.—Title: THE ART OF GRACIOUS LIVING. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published July 1, 1929.

12,210.—Title: PLEASURE REDOUBLED. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published June 22, 1929.

12,211.—Title: WHILE WAITING. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published August 5, 1929.

12,212.—Title: GOOD TASTE WILL ALWAYS DISCOVER CAMELS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published August 17, 1929.

12,213.—Title: PLENTY HOOPLA TONIGHT . . . 27-3. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published August 30, 1929.

12,214.—Title: A CIGARETTE TO RESPECT AND ENJOY. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published September 1, 1929.

- 12,215.—*Title:* ON PLEASURE BENT. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published September 1, 1929.
- 12,216.—*Title:* BACK STAGE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published September 2, 1929.
- 12,217.—*Title:* THRILLING. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published September 4, 1929.
- 12,218.—*Title:* NOT LIGHTLY CHOSEN. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published June 1, 1929.
- 12,219.—*Title:* NOW IT'S UNANIMOUS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published May 25, 1929.
- 12,220.—*Title:* JUST ANOTHER GOOD THING ADDED TO THE OTHER GOOD THINGS OF LIFE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published May 20, 1929.
- 12,221.—*Title:* WILLSON GOGGLES. For Goggles. WILLSON PRODUCTS, INC., Reading, Pa. Published September 30, 1929.
- 12,222.—*Title:* CHILDREN'S SUN GLASSES. For Children's Sun Glasses. WILLSON PRODUCTS, INC., Reading, Pa. Published October 9, 1929.

REISSUES

NOVEMBER 19, 1929

- 17,489. MOTOR-VEHICLE LOCK. OLAF AUSGAR ANDERSON, Hamilton, Ohio; The Citizens Savings Bank and Trust Company executor of said Olaf Ausgar Anderson, deceased. Filed Apr. 27, 1928. Serial No. 273,410. Original No. 1,582,236, dated Apr. 27, 1926, Serial No. 474,510, filed June 2, 1921. 9 Claims. (Cl. 192—4.)



1. In a motor vehicle, the combination with the driving wheels and transmission gears for rotating said wheels so as to propel the vehicle either forward or backward, said gears including one that rotates in the same direction whether the vehicle is propelled by said gearing either forward or backward, a nonrotatable shaft on which said gear rotates, and means for locking said gear to said shaft to automatically prevent reverse rotation thereof.

- 17,490. DOOR CLOSURE FOR ROTATABLE RECEPTACLES. MAURICE F. BEETHAM and RAYMOND H. MOORE, Harvey, Ill., assignors to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Sept. 20, 1928. Serial No. 307,320. Original No. 1,630,600, dated May 31, 1927, Serial No. 141,909, filed Oct. 16, 1926. 36 Claims. (Cl. 220—55.)

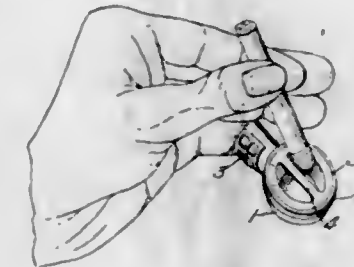


22. The combination of a tumbling drum having a side-opening, a door for closing the opening, having marginal engagement with the receptacle, a longitudinally adjustable draw-connection extending transversely across the door, devices for connecting the ends of the draw-connection to the receptacle, at least one of said devices being detachable, and means for positively forcing the door inwardly against the receptacle when the draw-connection is connected to the receptacle and is shortened.

- 17,491. WATERPROOF ABRASIVE FABRIC. FRANK JOSEPH CRUPL, Brooklyn, N. Y., assignor to Behr-Manning Corporation, a Corporation of New York. Filed Oct. 21, 1927. Serial No. 227,851. Original No. 1,642,766, dated Sept. 20, 1927, Serial No. 693,903, filed Feb. 19, 1924. 1 Claim. (Cl. 51—280.)

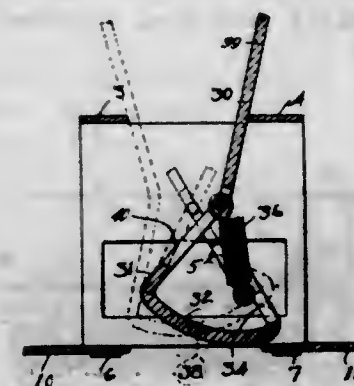
As a new article of manufacture, a sandpaper including a fabric backing, an abrasive grit, and a matrix for attaching said grit to said backing including cellulosic material, a resinous filler, an emollient containing rape seed oil, and a plasticizer.

- 17,492. ASH RECEIVER. CLAUDE ELLIS, Springville, N. Y., assignor of one-half to Clayton J. Ellis, Springville, N. Y. Filed Sept. 26, 1929. Serial No. 395,434. Original No. 1,701,496, dated Feb. 12, 1929, Serial No. 208,157, filed July 25, 1927. 6 Claims. (Cl. 131—51.)



6. An ash receiver comprising a support having a relatively long socket of skeleton form to fit snugly over one's finger with the skin of the finger protruding somewhat into the openings of the form and holding the support against turning thereon, and a receptacle for ashes carried by said support.

- 17,493. SNAP SWITCH. SAMUEL A. MEYERS, San Francisco, Calif., assignor to Paramount Electric Mfg. Co., a Corporation of California. Filed Dec. 5, 1928. Serial No. 324,023. Original No. 1,664,380, dated Mar. 27, 1928, Serial No. 122,518, filed July 15, 1926. 16 Claims. (Cl. 200—67.)

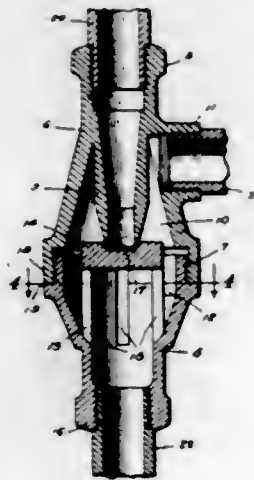


1. In a switch for electric circuits comprising a frame, electric contacts carried thereby, a pivotally mounted knife carrier, a handle pivotally carried by the frame, and a spring connecting the knife carrier and handle to cause both of them to be resiliently held in opposite positions, said handle being shaped to start the knife carrier and to stop it in opposite movements thereof.

- 17,494. WATERPROOF ABRASIVE. HENRY R. POWER, Niagara Falls, N. Y., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Filed Nov. 9, 1927. Serial No. 232,189. Original No. 1,615,231, dated Jan. 25, 1927, Serial No. 646,959, filed June 21, 1923. 2 Claims. (Cl. 51—280.)

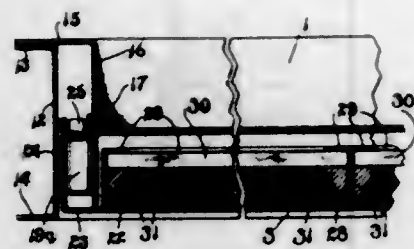
1. An abrasive product comprising a flexible backing having an abrasive material attached thereto by a glue, and a coating of a nitro-cellulose composition containing a modifying agent applied thereto.

17,495. ATOMIZING DEVICE. ROY B. PAULL, Seattle, Wash. Filed Mar. 9, 1929. Serial No. 345,832. Original No. 1,685,293, dated Sept. 25, 1928, Serial No. 166,397, filed Feb. 7, 1927. 6 Claims. (Cl. 261—75.)



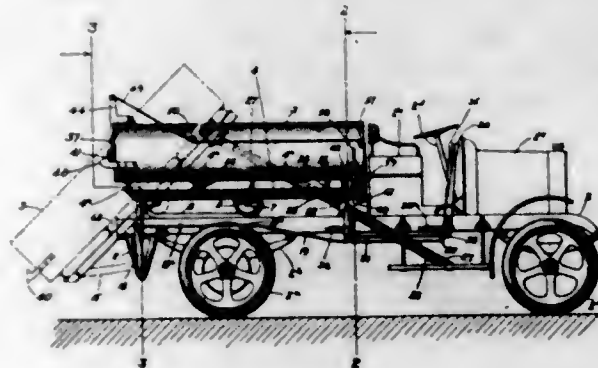
1. An atomizing device comprising an entry member having a conical chamber, an entry nozzle extended inwardly from the vertex end of said chamber, a discharge member having a conical chamber, a discharge nozzle extended inwardly from the vertex end of the conical discharge chamber, the ends of the entry and discharge nozzles disposed in juxtaposition to form a restricted passage, and means for the entry of a reducing medium disposed at the vertex end of the conical entry chamber.

17,496. WINDOW CONSTRUCTION. FAY A. YEAGER, Muskegon, Mich., assignor to Joachim R. M. Knudsen, Muskegon, Mich. Filed Oct. 7, 1929. Serial No. 398,029. Original No. 1,676,597, dated July 10, 1928, Serial No. 136,414, filed Sept. 20, 1926. 12 Claims. (Cl. 189—69.)



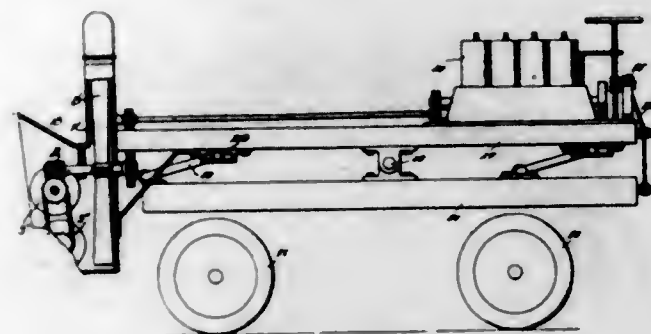
10. A window comprising a rectangular frame structure including vertical tracks, a window sash located within the frame, members on the sash overlapping the front surface of the vertical members of the frame structure and guide members mounted near the lower edges of the sash to traverse the rear surfaces of the track portions of the frame structure.

17,497. GRAVITY DUMPING TRUCK BODY. DIGHTON A. ROBINSON, Minneapolis, Minn., assignor, by mesne assignments, to The Central Ohio Steel Products Company, Gallon, Ohio, a Corporation of Ohio. Filed Feb. 27, 1928. Serial No. 257,381. Original No. 1,612,223, dated Dec. 28, 1926, Serial No. 529,615, filed Jan. 16, 1922. 17 Claims. (Cl. 298—12.)



17. In combination with a vehicle, a track fixed on said vehicle, and a body supported from said track and movable with relation thereto, supports on the body resting on the track, adapted of themselves to tip the body with relation to the track and adapted to slide with relation to the track, guiding elements adapted as the body tips to cause it to move rearwardly a distance greater than that normally incident to the tipping alone.

17,498. SNOW REMOVER. HARRY D. CURTIS, Oshkosh, Wis., assignor to Daniel Wandscheer, Gerrit Wandscheer, Jacob Wandscheer, and Ben Wandscheer, Sioux Center, Iowa. Filed Oct. 5, 1928. Serial No. 310,650. Original No. 1,623,910, dated Apr. 5, 1927, Serial No. 562,155, filed May 19, 1922. 5 Claims. (Cl. 37—43.)

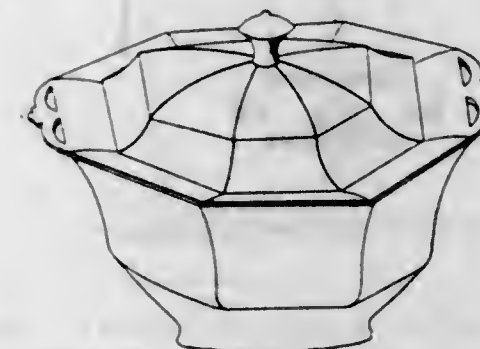


2. A snow remover comprising a vehicle having a main frame, a secondary frame rockably supported upon said main frame intermediate its ends, a power-operated rotary snow plow mounted at one end of the secondary frame, a power plant mounted at the opposite end of said secondary frame in such manner as to counterbalance the weight of the snow plow, driving connections between the power plant and the plow, and means for adjustably rocking the secondary frame with respect to the main frame to vary the height of the snow plow above the ground.

DESIGNS

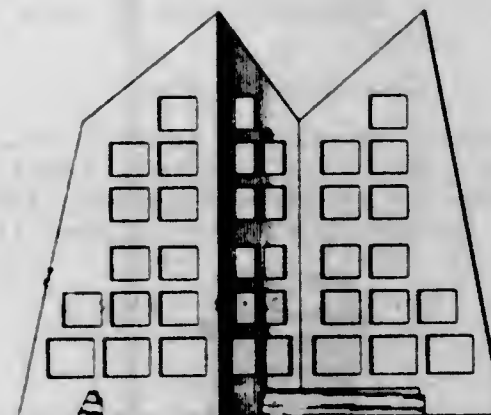
NOVEMBER 19, 1929

79,917. DISH. OTTO BERGNER, Schonwald, Germany. Filed Apr. 27, 1928. Serial No. 26,485. Term of patent 3½ years.



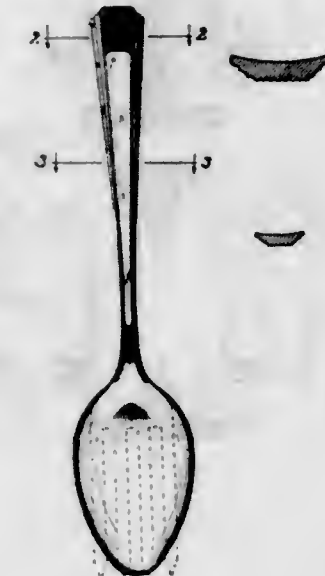
The ornamental design for a dish as shown.

79,918. DISPLAY RACK. JAMES H. BURDETT, Homewood, Ill. Filed Feb. 15, 1929. Serial No. 30,083. Term of patent 7 years.



The ornamental design for a display rack as shown and described.

79,919. SPOON OR SIMILAR ARTICLE. THEODORE E. CAYER, Taunton, Mass., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Apr. 13, 1929. Serial No. 30,891. Term of patent 7 years.



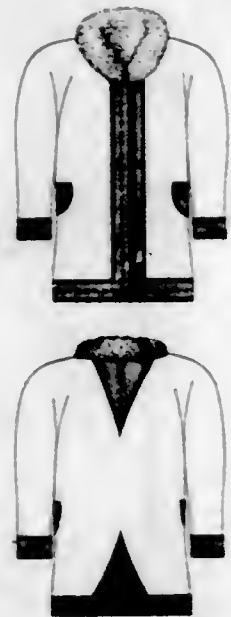
The ornamental design for a spoon or similar article substantially as shown and described.

79,920. HEAD FOR LIGHTING UNITS. RALPH W. ERSKINE, Mishawaka, Ind., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 5, 1929. Serial No. 31,939. Term of patent 7 years.



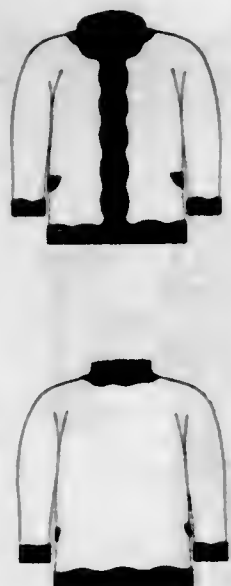
The ornamental design for a head for lighting units substantially as shown.

79,921. COAT. HARRY D. FERTEL, New York, N. Y. Filed Sept. 20, 1929. Serial No. 32,810. Term of patent 14 years.



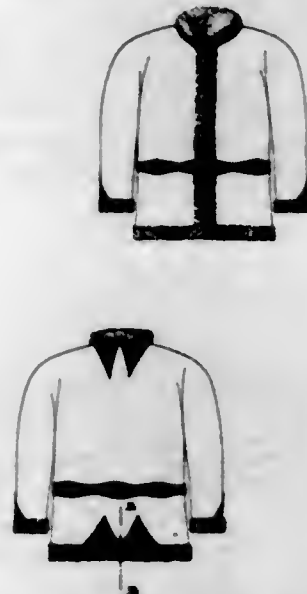
The ornamental design for a coat, as shown.

79,922. COAT. HARRY D. FERTEL, New York, N. Y. Filed Sept. 20, 1929. Serial No. 32,811. Term of patent 14 years.



The ornamental design for a coat, as shown.

79,923. COAT. HARRY D. FERTEL, New York, N. Y. Filed Sept. 20, 1929. Serial No. 32,812. Term of patent 14 years.



The ornamental design for a coat, as shown.

79,924. BOTTLE OR SIMILAR ARTICLE. GEORGE F. GALLAGHER, Chicago, Ill., assignor to Krem-Ko Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 19, 1929. Serial No. 32,449. Term of patent 14 years.



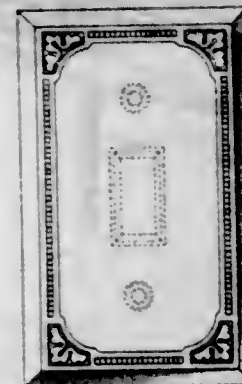
The ornamental design for a bottle or similar article, substantially as shown.

79,925. BOTTLE OR SIMILAR ARTICLE. GEORGE F. GALLAGHER, Chicago, Ill., assignor to Krem-Ko Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 19, 1929. Serial No. 32,450. Term of patent 14 years.



The ornamental design for a bottle or similar article, substantially as shown.

79,926. FACE PLATE OR SIMILAR ARTICLE. EDWARD BOSWORTH GRIER, West Hartford, Conn., assignor to The Arrow-Hart and Hegeman Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 23, 1929. Serial No. 30,184. Term of patent 14 years.



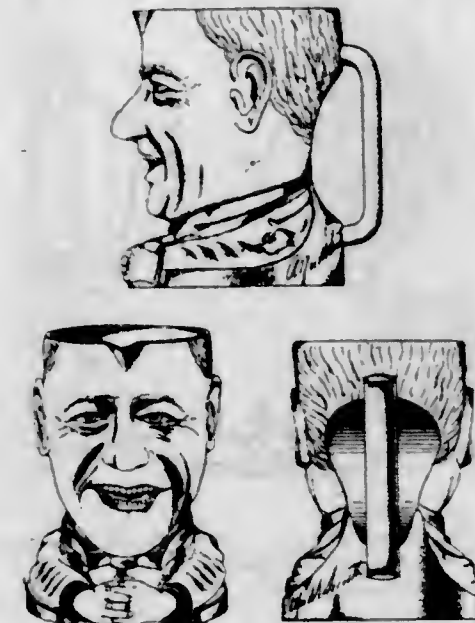
The ornamental design for a face plate or similar article, as shown.

79,927. SHOE SOLE. JAMES E. GEORJEAN, Lima, Ohio. Filed Aug. 9, 1929. Serial No. 32,350. Term of patent 7 years.



The ornamental design for a shoe sole as shown.

79,928. TOBY JUG. JENNINGS HOOD, Lansdowne, Pa. Filed Oct. 8, 1928. Serial No. 28,408. Term of patent 7 years.



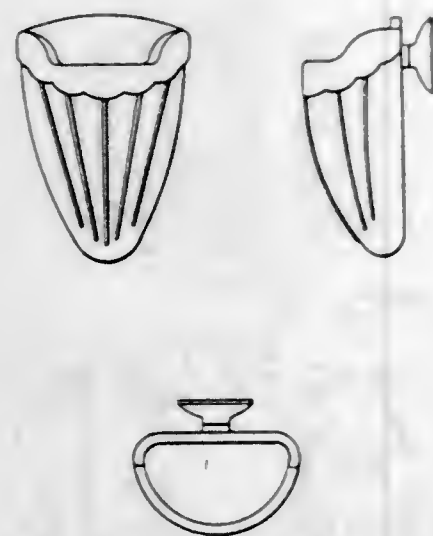
The ornamental design for a toby-jug, substantially as shown.

79,929. TOBY JUG. JENNINGS HOOD, Lansdowne, Pa. Filed Oct. 8, 1928. Serial No. 28,409. Term of patent 7 years.



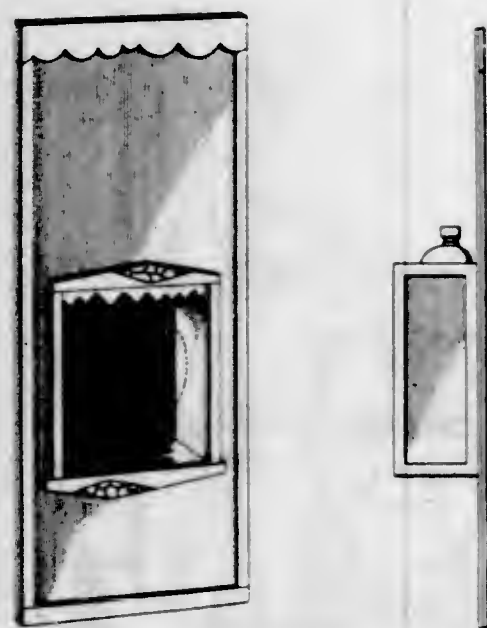
The ornamental design for a toby-jug, substantially as shown.

79,930. TOBACCO-ASH RECEIVER. LOUIS LUDWIG, Brooklyn, N. Y. Filed June 24, 1929. Serial No. 31,822. Term of patent 7 years.



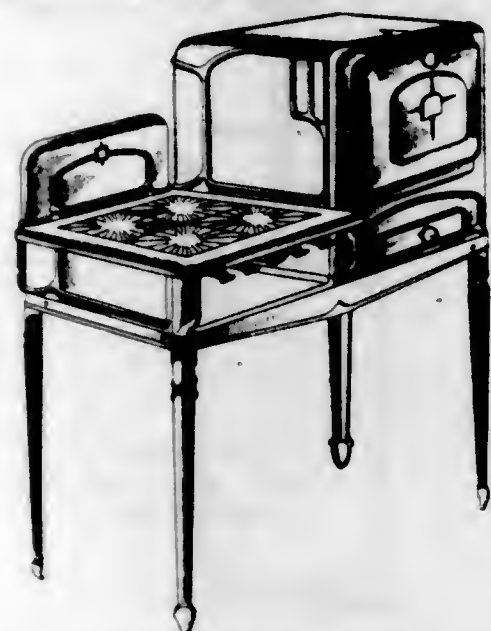
The ornamental design for a tobacco-ash receiver, as shown.

79,931. COMBINATION MERCHANDISE-DISPLAY CASE AND PANEL. BRAINERD L. MELLINGER, Kansas City, Mo. Filed May 27, 1929. Serial No. 31,424. Term of patent 3½ years.



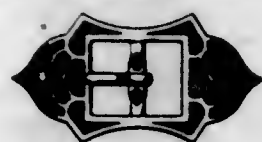
The ornamental design for a combination merchandise display case and panel, as shown.

79,932. RANGE. ARNOLD H. MOECKER, Flossmoor, Ill., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 22, 1929. Serial No. 32,503. Term of patent 14 years.



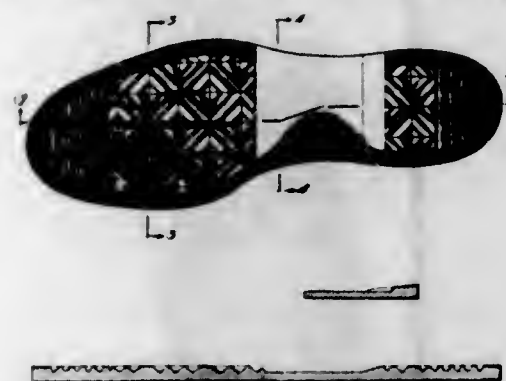
The ornamental design for a range, as shown.

79,933. BUCKLE. WILLIAM L. MYERS, Newark, N. J., assignor to L. A. Myers, Jr., Inc., Newark, N. J., a Corporation of New Jersey. Filed Sept. 14, 1929. Serial No. 32,757. Term of patent 7 years.



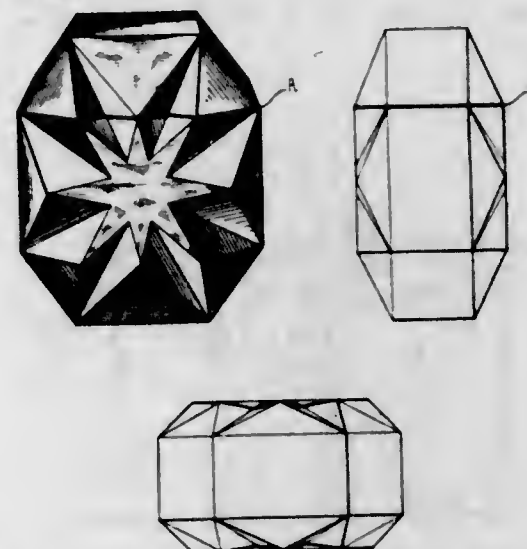
The ornamental design for a buckle, as shown.

79,934. SHOE SOLE. MORTON L. PATERSON, Boston, Mass., assignor to Converse Rubber Company, Malden, Mass., a Corporation of Massachusetts. Filed June 27, 1929. Serial No. 31,843. Term of patent 14 years.



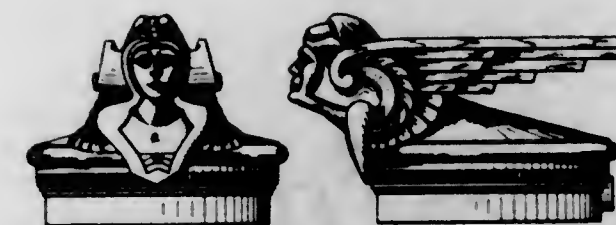
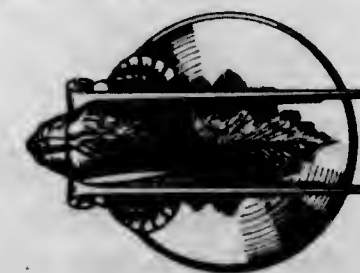
The ornamental design for a shoe sole substantially as shown.

79,935. BOTTLE. LOUISE PESZYNSKA, Paris, France. Filed June 28, 1929. Serial No. 31,865. Term of patent 7 years.



The ornamental design for a bottle as shown and described.

79,936. RADIATOR CAP OR THE LIKE FOR AN AUTOMOBILE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed May 20, 1929. Serial No. 31,309. Term of patent 7 years.



The ornamental design for a radiator cap or the like for an automobile substantially as shown.

79,937. DOORSTOP. ROSA MAY PICKARD, Wilmette, Ill. Filed Sept. 9, 1929. Serial No. 32,703. Term of patent 7 years.



The ornamental design for a doorstop as shown.

79,938. DOORSTOP. ROSA MAY PICKARD, Wilmette, Ill. Filed Sept. 9, 1929. Serial No. 32,704. Term of patent 7 years.



The ornamental design for a doorstop as shown.

79,939. BUCKLE. THOMAS H. WIGHTMAN, Providence, R. I., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed June 28, 1929. Serial No. 31,855. Term of patent 3½ years.



The ornamental design for a buckle, substantially as shown.

79,940. DOME LIGHT FOR AN AUTOMOTIVE VEHICLE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 12, 1929. Serial No. 32,732. Term of patent 7 years.



The ornamental design for a dome light for an automotive vehicle substantially as shown.

79,941. EMBROIDERED LACE MEDALLION. HENRY SCHWARBER, Weehawken, N. J. Filed Sept. 10, 1929. Serial No. 32,717. Term of patent $3\frac{1}{2}$ years.



The ornamental design for embroidered lace medallion, as shown.

79,942. COVERING FOR JEWELRY BOXES AND THE LIKE. JOHN M. SHIELDS, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 10, 1929. Serial No. 32,375. Term of patent 7 years.



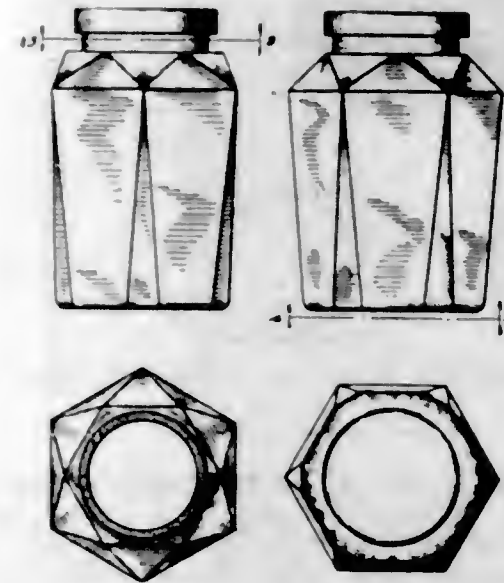
The ornamental design for covering for jewelry boxes and the like, as shown and described.

79,943. COVERING FOR JEWELRY BOXES AND THE LIKE. JOHN M. SHIELDS, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 10, 1929. Serial No. 32,376. Term of patent 7 years.



The ornamental design for covering for jewelry boxes and the like as shown and described.

79,944. JAR OR SIMILAR CONTAINER. WALTER D. TEAGUE, Forest Hills, N. Y., assignor to Turner Glass Company, Terre Haute, Ind., a Corporation of Indiana. Filed Aug. 14, 1929. Serial No. 32,407. Term of patent 14 years.



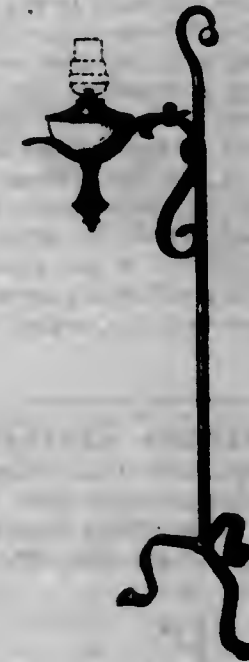
The ornamental design for a jar or similar container as shown.

79,945. FLOOR LAMP. JOHN B. SALTERINI, New York, N. Y. Filed Aug. 21, 1929. Serial No. 32,494. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a floor lamp, as shown.

79,946. FLOOR LAMP. JOHN B. SALTERINI, New York, N. Y. Filed Aug. 21, 1929. Serial No. 32,495. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a floor lamp, as shown.

79,947. BRIDGE LAMP. JOHN B. SALTERINI, New York, N. Y. Filed Aug. 21, 1929. Serial No. 32,496. Term of patent $3\frac{1}{2}$ years.



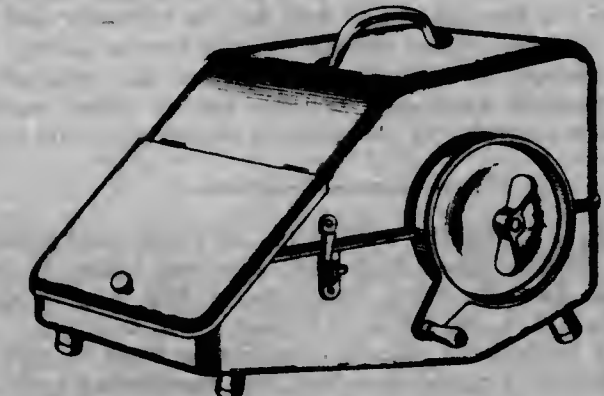
The ornamental design for a bridge lamp, as shown.

79,948. BRIDGE LAMP. JOHN B. SALTERINI, New York, N. Y. Filed Aug. 21, 1929. Serial No. 32,497. Term of patent $3\frac{1}{2}$ years.



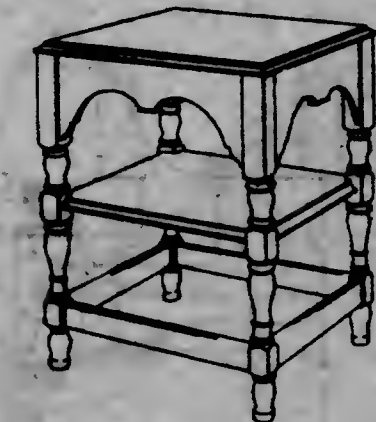
The ornamental design for a bridge lamp, as shown.

79,949. CASING FOR AN ICE-CREAM FREEZER. ERNEST C. STUBBS, Racine, Wis., assignor to The Stover Signal Engineering Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 8, 1929. Serial No. 31,600. Term of patent 14 years.



The ornamental design for a casing for an ice cream freezer as shown.

79,950. TABLE OR ANALOGOUS ARTICLE. NORMAN E. GOODRICH, Battle Creek, Mich., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Filed Mar. 27, 1929. Serial No. 30,631. Term of patent 14 years.



The ornamental design for a table or analogous article, as shown.

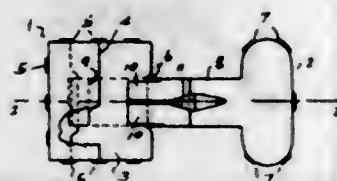
PATENTS

GRANTED NOVEMBER 19, 1929

1,735,842. PROCESS FOR RUSTPROOFING ARTICLES OF IRON AND STEEL. WILLIAM H. ALLEN, Detroit, Mich., assignor, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 11, 1928. Serial No. 299,129. 6 Claims. (Cl. 148-6.5.)

1. The process of rust proofing iron or steel articles, which comprises dipping them into a solution containing chromium and phosphoric acid radical, and subsequently heating to a temperature sufficient to convert the chromium phosphate into chromium pyro-phosphate.

1,735,843. SAFETY LOCK. GONZALO ANCIRA, Houston, Tex. Filed July 11, 1927. Serial No. 204,788. 4 Claims. (Cl. 229-78.)

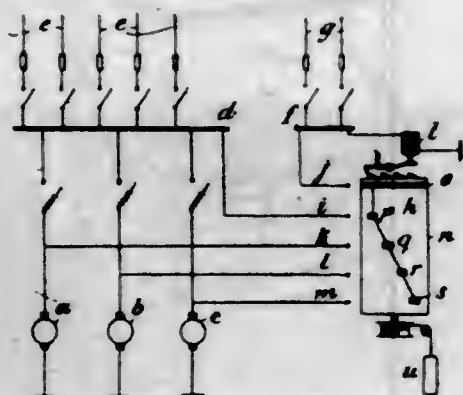


3. A lock composed of two sections, means for securing the respective sections of the parts to be fastened together, one section having one edge overturned forming an underlying flap and having a slot at the junction of said flap with the main body of said section, a tongue carried by the other section adapted to be inserted through said slot, spring means carried by the tongue adapted to engage the free margin of said flap, to interlock said sections together, wings carried by said tongue having free ends adapted to fold upon the tongue and embrace the other section when said sections are so locked together and means carried by the tongue and overlying said wings.

1,735,844. PROCESS FOR MORDANTING AND DYEING OF WOOL. CHARLES SAMUEL BEDFORD, Leeds, England. Filed Jan. 15, 1928, Serial No. 81,589, and in Great Britain Apr. 23, 1925. 5 Claims. (Cl. 8-13.)

1. A process for chrome mordanting wool so that all the chrome is withdrawn from the mordanting bath and fixed upon the wool, leaving the bath fit for use in a dyeing operation by treating the wool in a boiling bath with a bichromate and sodium thiosulphate and a mild alkali as a regularizing agent in the presence of a little acid.

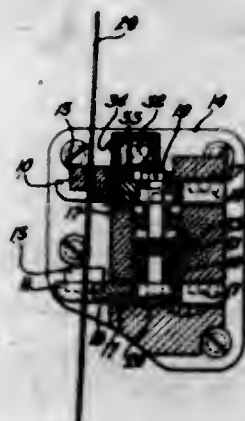
1,735,845. AUTOMATIC SWITCH. EMIL CHRISTIAN BLEM, Hellerup, near Copenhagen, Denmark. Filed Dec. 20, 1926, Serial No. 155,890, and in Denmark Mar. 15, 1926. 1 Claim. (Cl. 171-97.)



A current supply system, comprising a circuit including a plurality of generators arranged in parallel and supply-

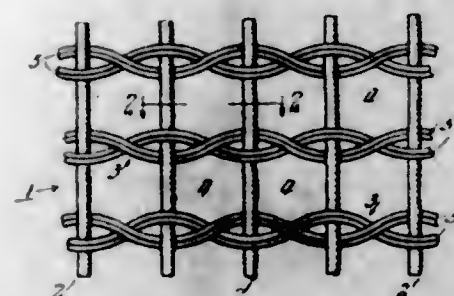
ing bus bars for general consumers and additional bus bars for special consumers, a contact drum to carry the current from the general bus bars to the special bus bars, or the current from any one generator to the special bus bars, means normally tending to rotate the drum, and a no-voltage trip cooperating with the drum to hold it against rotation and comprising a magnet in the circuit with the bus bars for the special consumers, said magnet being energized by the normal voltage on the special bus bars, whereby a reduction in the line voltage caused by the failure of one or more of the generators to function will de-energize the magnet and permit the drum to rotate until a closed circuit between one of the generators and the special bus bar will supply sufficient current for the special consumers and for operating the magnet to stop further rotation of the drum.

1,735,846. WIRE-DRAWING APPARATUS. HAROLD LANGLEY BLOOD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 8, 1927. Serial No. 197,297. 11 Claims. (Cl. 205-13.)



1. In a wire drawing apparatus, a die holder, a die supported by the holder, means for drawing wire through the die, and means for imparting a rotary movement to the die to reciprocate the wire drawn therethrough across the face of the drawing means and to wipe the mouth of the die with the wire.

1,735,847. REED STRUCTURE AND THE LIKE. SIMON BOLIN, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 27, 1926. Serial No. 84,029. 3 Claims. (Cl. 130-420.)



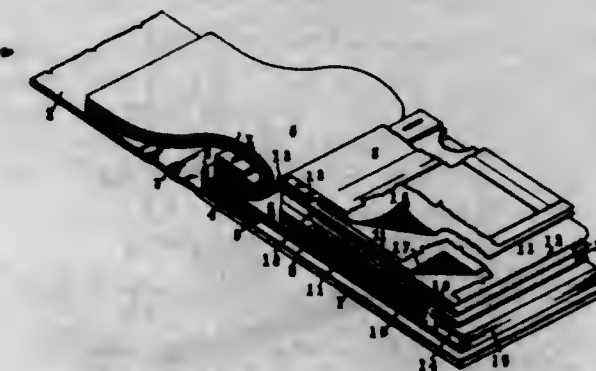
1. An open weave reed fabric embodying therein parallel spaced uncrimped fibrous stakes and parallel spaced strands arranged at an angle to said stakes and interwoven therewith, said stakes having hills and valleys on opposing surfaces whereby the filler strands seat in the valleys on either side of the stakes and engage the hills in a manner preventing relative movement of the filler strands lengthwise of said stakes.

NOVEMBER 19, 1929

U. S. PATENT OFFICE

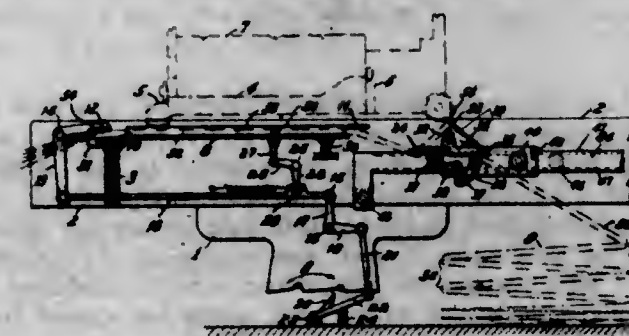
589

1,735,848. MANIFOLDING BOOK. EDWARD KIRBY BOTTLE, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario. Filed Apr. 7, 1928. Serial No. 630,579. 2 Claims. (Cl. 282-24.)



1. A manifolding book including, in combination, a pad of original record leaves, a second pad of sets of record leaves, and common means for supporting said pads with the bound ends extending in the same direction, and with bound end of the first mentioned pad extending beyond the bound end of the other pad, each of said sets of record leaves comprising a leaf bound into said second pad and a second leaf carried by the free end of said bound leaf and having its free end extending backwardly toward the bound end of the pad and two transfer sheets mounted on said second pad, one positioned for insertion between leaves of a set and a second positioned for superposition upon the upper leaf thereof whereby said original record leaves may be superposed upon the second transfer sheet.

1,735,849. STRIP-FEED REGULATOR AND ALIGNER. EDWARD KIRBY BOTTLE, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Mar. 14, 1925, Serial No. 15,613. Renewed Mar. 26, 1929. 14 Claims. (Cl. 197-133.)

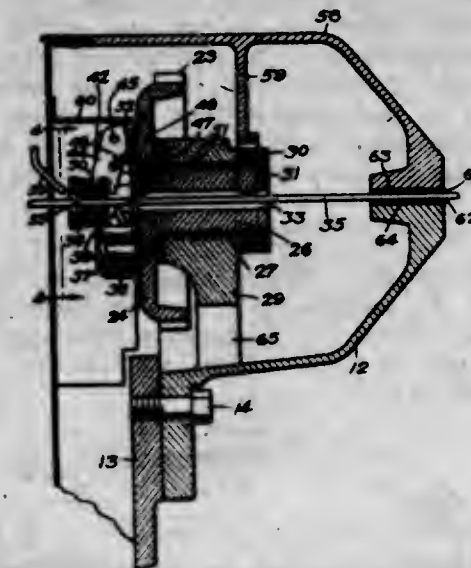


1. In an apparatus of the character described, in combination, a platen adapted to support in writing position a record strip manually fed thereover, manually operable means for holding the strip in writing position and releasing the same for feeding, a controlling device having a narrow strip-registering edge across which the strip is fed to writing position, said edge being disposed so that the strip is bent therearound on its way to writing position, and a guide adapted to cooperate with the strip adjacent said edge to retain the strip in proximity thereto.

1,735,850. WIRE-DRAWING APPARATUS. WALTER ULRIC BOWEN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 3, 1926. Serial No. 133,358. 8 Claims. (Cl. 205-15.)

3. In a wire drawing apparatus, a rotatable plate, a die block rigidly mounted thereon provided with a cen-

tral opening, a die, means for centering and securing the die in the opening in the die block while wire is being



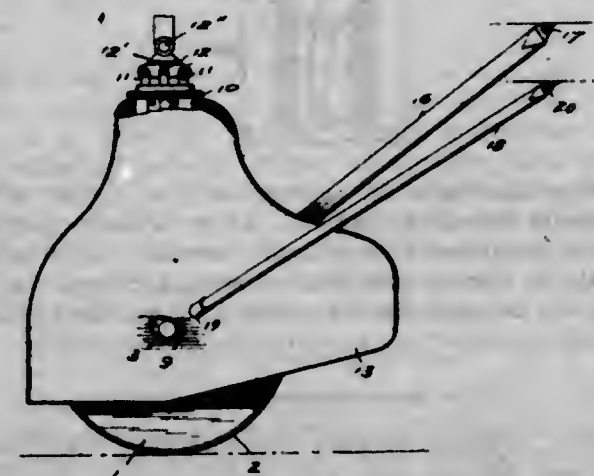
drawn therethrough, and means for forcibly ejecting the die from the opening in the die block when tension on the die is removed.

1,735,851. ARTICLE OF FURNITURE. RALPH BAOMLEY BURTON, Indianapolis, Ind. Filed Feb. 3, 1927. Serial No. 165,696. 2 Claims. (Cl. 155-196.)



1. A knock-down chair, comprising a back, a seat, and two sides, some of said parts being provided with locking grooves and others with locking means engageable with said locking grooves to maintain the parts in desired relative positions, said seat being provided with an opening, a tongue on said back adapted to pass through the opening in said seat, and a locking strip extending between said two sides and bearing on said tongue to create a frictional drag opposing removal of the tongue from the opening in said seat.

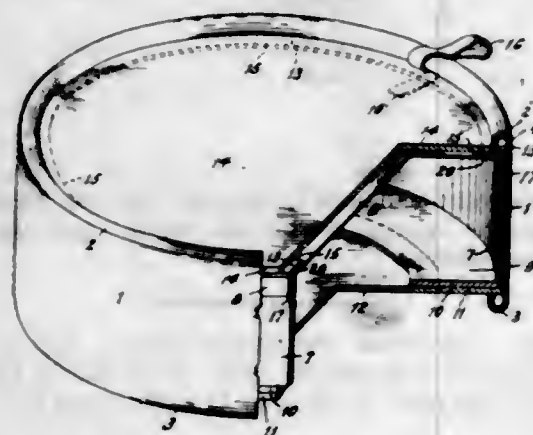
1,735,852. LANDING GEAR FOR AIRPLANES. ELLIOT DALAND, Torreadale, Pa., assignor to Keystone Aircraft Corporation, Bristol, Pa., a Corporation of Delaware. Filed Aug. 16, 1928. Serial No. 300,088. 10 Claims. (Cl. 244-2.)



10. A landing gear for airplanes including a wheel and an axle, a yoke mounting for the wheel and including means to receive the axle, said yoke mounting including

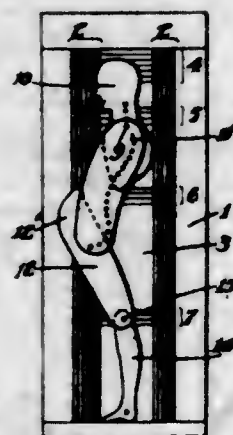
a vertical yoke member, a shock absorber having means to effect a flexible joint with the structure of an airplane, a rearwardly and upwardly extending yoke member, a strut flexibly connected thereto and having means for flexible connection with the structure of an airplane, and an inwardly, upwardly, and rearwardly extending strut connected to said yoke member and having means for flexible connection with the structure of an airplane and a casing for the wheel and yoke mounting.

1,735,853. PAPER BOX. ALEXANDER H. DREUX, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Apr. 9, 1926. Serial No. 100,780. 2 Claims. (Cl. 229—5.5.)



1. A box including a body and an inner drum, the drum being open at one end and closed at the other end by a frangible sheet of paper, an annulus partly closing the open end of said drum, an annulus supported on said drum and exposing the central part of said sheet, the body of said box having a fold providing a bead which laps onto the outer face of the last mentioned annulus and resiliently coacts to hold it against said sheet.

1,735,854. ORTHOPEDIC MANIKIN CHART. GEORGE BERRY EMERSON, Belmont, Mass. Filed June 1, 1926. Serial No. 112,853. 6 Claims. (Cl. 35—16.)

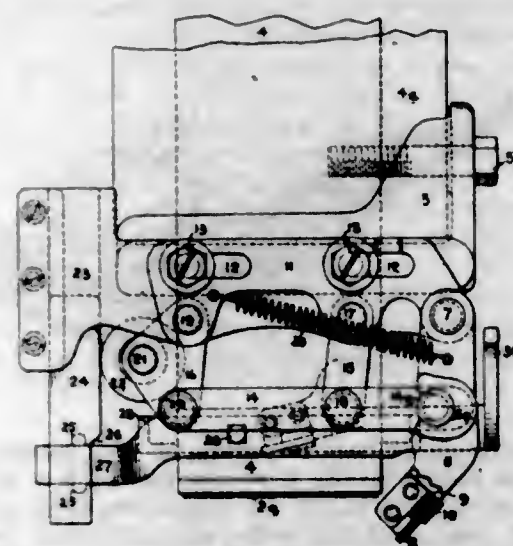


1. In an apparatus for posture analysis, a base having a vertically elongated opening, an articulated manikin, a support projected through said opening and rotatable and slidable therein, and charted areas adjacent the contour of the manikin for the analysis of manipulated postural deformities of the articulations of the manikin.

1,735,855. FINGER GUARD FOR PRESSES. WALTER C. FELLOWS, Philadelphia, Pa., assignor to C. R. Carver Company, a Corporation of Pennsylvania. Filed Oct. 2, 1926. Serial No. 139,121. 9 Claims. (Cl. 74—105.)

1. A finger guard of the character described, comprising in combination with a machine to which it is ap-

plied a hinged finger guard extending downwardly and adapted to swing backward from in front of the operating parts of the machine to which it is applied to a position between them, a cam arranged at the rear of the operating parts of the machine and operated by one of said parts, a substantially horizontal reciprocable part posi-



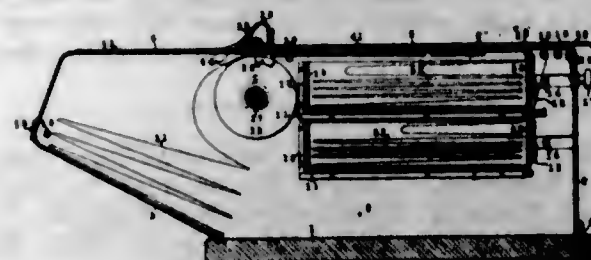
tively moved in one direction by the cam and having its forward end in contact with the finger guard to push it from between the operative parts of the machine forward of said parts, and a spring acting upon the finger guard for yieldingly forcing it backward upon the reciprocable part and maintaining it in operative relation with the cam.

1,735,856. ELECTRICAL PLUG. NATHANIEL C. GREENE, New York, N. Y., assignor to Polymet Manufacturing Corporation, a Corporation of New York. Filed May 19, 1926. Serial No. 110,080. 3 Claims. (Cl. 175—41.)



1. In a device of the character described, a hollow insulating casing, a collar embedded in the end wall of said casing and extending from the exterior to the interior thereof, a bracket secured to the interior end of said collar and supported thereby within said casing but spaced from the side walls thereof, and means at the opposite end of said bracket for supporting a radio condenser of the square block type within said casing but spaced from the walls thereof and from said collar.

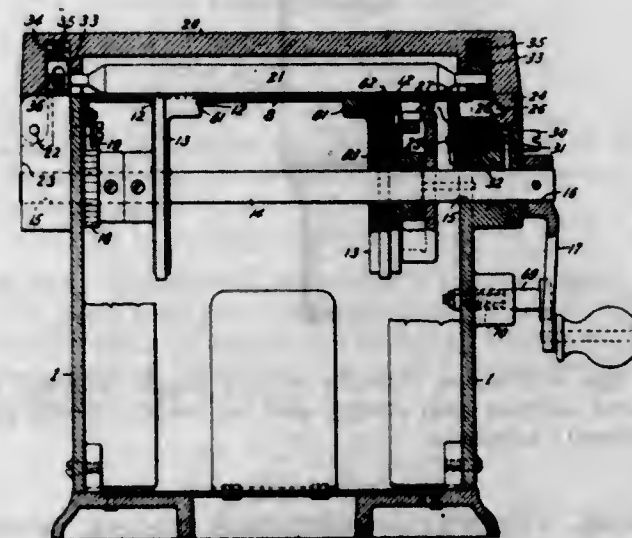
1,735,857. AUTOGRAPHIC REGISTER. LOUIS F. HAGEMANN and WALTER GUNO, Niagara Falls, N. Y., assignors to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario, Canada. Filed Mar. 30, 1922. Serial No. 547,986. 3 Claims. (Cl. 282—16.)



1. An autographic register including, in combination, means for containing a web and means adapted to tension

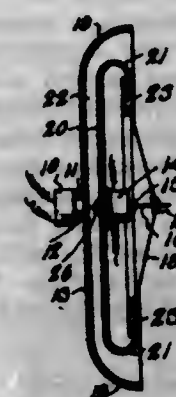
said web as the latter is fed from said containing means, said tensioning means including a resilient member supported by said containing means and brought into resilient engagement with the web by the placing in operative position of said containing means.

1,735,858. AUTOGRAPHIC REGISTER. LOUIS F. HAGEMANN, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario, Canada. Filed Nov. 20, 1923. Serial No. 675,802. 16 Claims. (Cl. 282—16.)



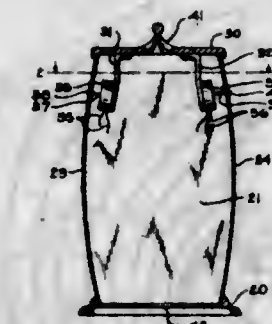
1. In an apparatus of the character described, in combination, a rotatable feed disc and co-operative presser between which a web is adapted to be frictionally gripped and fed, means adapted to rotate said disc, a rotative web registering pin with which web apertures are adapted to engage and co-operate to position the web in the apparatus for web feed, means adapted to move said pin into and out of web registering position, means adapted to lock said disc against feed movement, and means whereby the position of said pin determines the locking or unlocking effect of said locking means.

1,735,859. LOUD-SPEAKER. MILLER REESE HUTCHISON, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y., a Corporation of Delaware. Filed June 18, 1926. Serial No. 116,854. 2 Claims. (Cl. 179—116.)



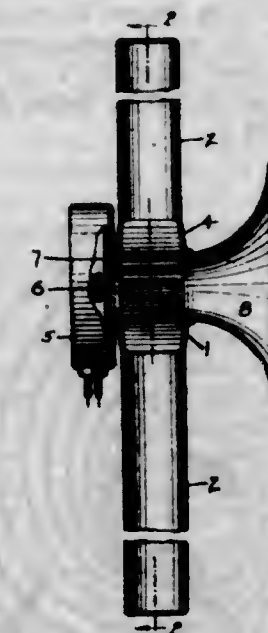
1. A loud speaker comprising a pair of plates with an air space between, horn-like flares at the peripheries of the plates, an opening eccentric to the center in one of the plates, a sound emitting device in communication with said opening, and a second sound emitting device in communication with the apex of a cone sounding member.

1,735,860. FLEXED SOUNDING BOARD. MILLER REESE HUTCHISON, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 1, 1927. Serial No. 180,181. 3 Claims. (Cl. 181—31.)



2. A sound propagator comprising a plurality of differently fixed sounding boards forming a hollow chamber and a corresponding plurality of operating units for actuating said boards respectively.

1,735,861. TUNED-RADIAL HORN. MILLER REESE HUTCHISON, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 4, 1927. Serial No. 210,550. 1 Claim. (Cl. 181—27.)

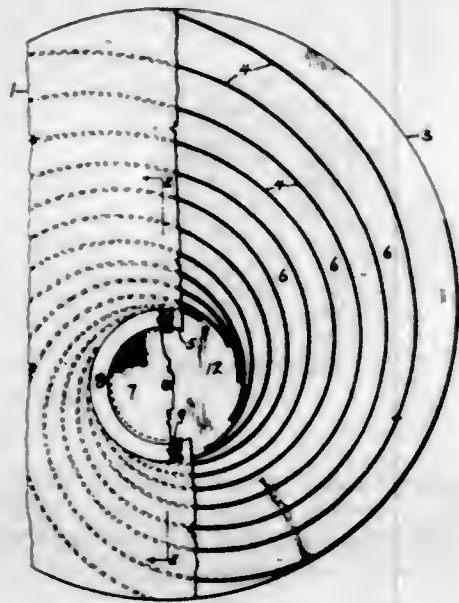


In a loud speaker, a cylindrical hollow casing of small cubic content, twelve sound resonating tubes each arranged to resonate a different note of the chromatic scale and disposed radially around said casing and communicating therewith, said tubes having closed outer ends and being flattened at their inner ends in the direction of the axis of the cylindrical chamber, a sound propagator connected to the back end of said casing, and an outwardly flaring bell connected to the front end of said casing.

1,735,862. PUSH-PULL-ACTUATED RADIAL RESONATOR. MILLER REESE HUTCHISON, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 4, 1927. Serial No. 210,551. 11 Claims. (Cl. 181—27.)

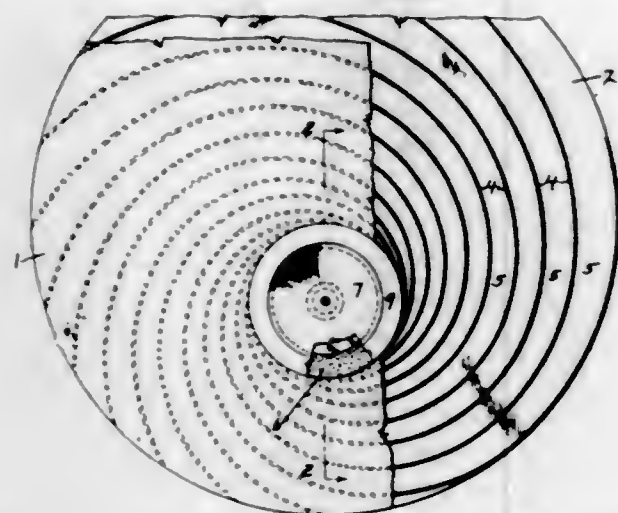
1. In acoustic apparatus, a hollow casing, a plurality of pipes communicating therewith, each pipe resonating

a different note, said casing having an opening, a rigid cone diaphragm disposed over said opening, a yieldable member between said diaphragm and casing making a



sound proof and yieldable joint, a stylus connected to the apex of said diaphragm, and actuating means having operative relation with said stylus.

1,735,863. RADIAL RESONATOR WITH BASS-NOTE PROPAGATOR. MILLER REESE HUTCHISON, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 4, 1927. Serial No. 210,552. 7 Claims. (Cl. 181-27.)

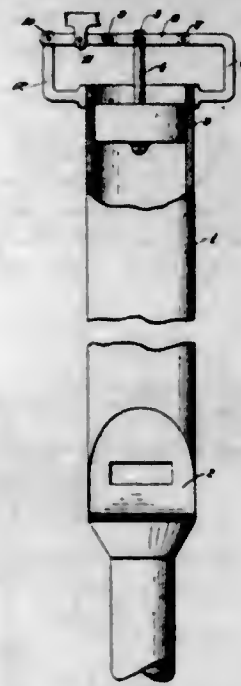


3. In acoustic apparatus, a casing, a plurality of horns arranged to resonate the higher notes and communicating with said casing, a rigid diaphragm, a yieldable joint between said diaphragm and casing, a sounding board, actuating means, a stylus connecting diaphragm and said means, and a soft yieldable member operating as a low pass filter connecting said stylus and said board.

1,735,864. SOUND-PROPAGATING DEVICE. MILLER REESE HUTCHISON, West Orange, N. J., assignor to Premier Laboratory Company, a Corporation of Delaware. Filed May 2, 1928. Serial No. 274,525. 1 Claim. (Cl. 84-349.)

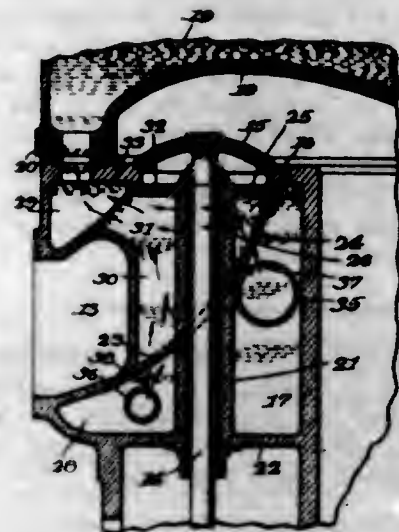
In an organ pipe a closure for said pipe, a toggle supporting said closure, supports secured to the closed end

of said pipe and to said toggle in such a manner that movements of said closed end with respect to the mouth of



said pipe will cause rotation of said toggle whereby the distance between said closure and the mouth of said pipe will remain constant.

1,735,865. INTERNAL-COMBUSTION ENGINE. ROBERT JARDINE, Detroit, Mich., assignor to Rich Tool Company, a Corporation of Maine. Filed Sept. 28, 1926. Serial No. 138,176. 6 Claims. (Cl. 123-177.)

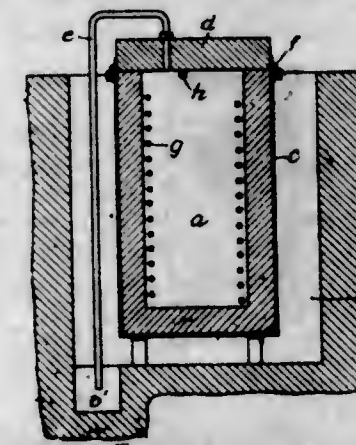


1. In an internal combustion engine, a cylinder, a cooling jacket for the cylinder, a cylinder head, a cooling jacket for the cylinder head, a port communicating with the cylinder, a poppet valve controlling the port, a seat for the poppet valve, a valve guide extending through the cylinder jacket into the port and terminating in close proximity to the valve seat, an auxiliary cooling jacket in communication with the cylinder jacket and extending along the valve guide across the port, and means for causing a cooling fluid to circulate first through the auxiliary jacket, the cylinder jacket and then through the cylinder head jacket.

1,735,866. NONOXIDIZING HEATING FURNACE. GOTTLIEB KELLER, Brugg, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed May 13, 1926. Serial No. 108,737, and in Germany May 30, 1925. 1 Claim. (Cl. 266-5.)

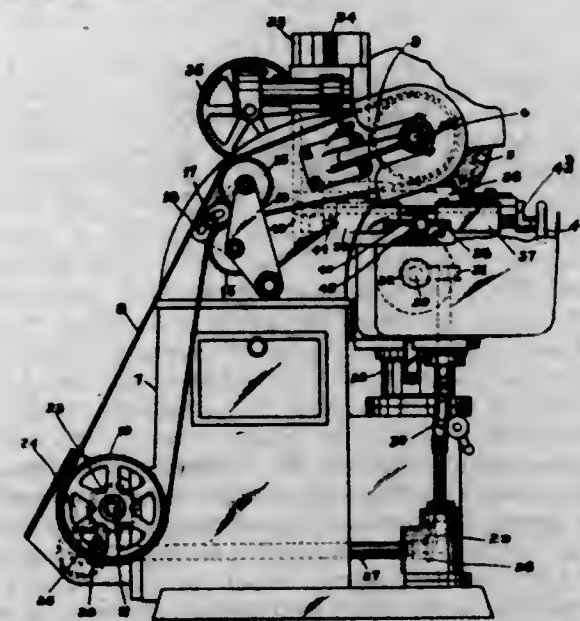
In metal treating apparatus of the character described, means providing a vertically-disposed pit, a fluid-tight

henting receptacle disposed in said pit and having such fit with respect thereto as to provide with the same a storage chamber for fluid, and means providing a passage



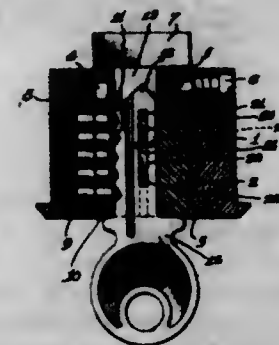
between said receptacle and said chamber and operating to permit of exchange flow of fluid between the same in either direction.

1,735,867. GRINDING MACHINE. FRED M. KERN, Detroit, Mich., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 8, 1925. Serial No. 21,594. 11 Claims. (Cl. 51-103.)



1. A grinding machine comprising a rotatable grinding wheel, a rotatable feed wheel opposed thereto, and means for maintaining a round work piece between and in operative grinding contact with the wheels, said means including a member having a guiding surface in contact with the work piece and so shaped that the points of contact form a substantially unbroken line at a constantly varying angle with a given plane.

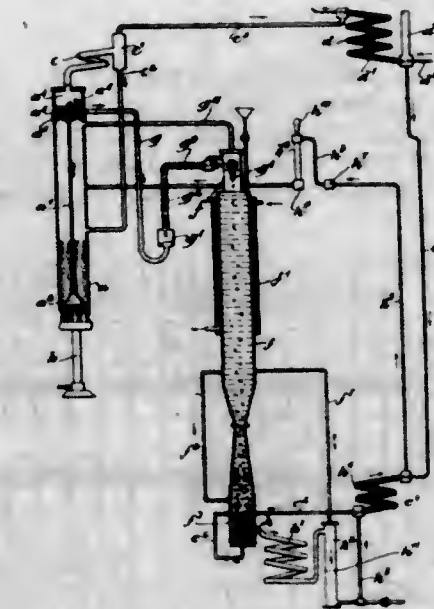
1,735,868. KEY-OPERATED LOCK. ROBERT H. KLINGEL, Detroit, Mich. Filed Apr. 14, 1926. Serial No. 101,891. 1 Claim. (Cl. 70-47.)



A key operated tumbler cylinder lock comprising a body, a slotted rotatable cylinder in said body, key pins arranged

radially in said cylinder at right angles to each other, one of said pins being adapted to enter said slot, spring pressed tumblers behind said pins for locking said rotatable cylinder, whereby a key receivable in said slot and adapted to engage one of said pins, and carrying a dog movable by a part of said cylinder whereby to retract the remaining pin, is adapted to release and rotate said cylinder.

1,735,869. REFRIGERATION. DONALD B. KNIGHT, Brooklyn, N. Y. Filed Jan. 26, 1927. Serial No. 163,635. 6 Claims. (Cl. 62-179.)



1. The process of refrigeration by the solution of a salt in a solvent, which consists in concentrating a salt solution, crystallizing the salt out of the solution, dissolving the salt in the solvent, returning the solution for concentration, and maintaining a balance of weight between the column of concentrated solution and the column of concentrated solution and the column of returning solution, movement of the solutions in the two columns being dependent upon the difference in specific gravities of the two solutions.

3. A refrigerating apparatus of the character described, comprising a refrigerating device in which the cold solution is received for the absorption of heat, a concentrator, a crystallizer and dissolver to receive an immiscible cooling medium and in which the salt is crystallized out of the solution by reduction in temperature and is received in the dissolver for further solution, means including a dropper to deliver the concentrated solution from the concentrator to the crystallizer in drops, and means to return the solution from the dissolver to the concentrator, the crystallizer and dissolver being arranged as a vertically disposed vessel with an air chamber at the top and a trap being interposed in the connection between the concentrator and the dropper to prevent the escape of air from the air space.

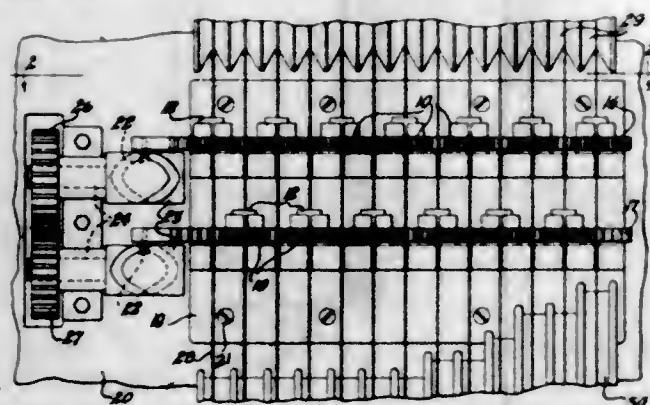
1,735,870. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 12, 1925. Serial No. 68,532. 15 Claims. (Cl. 197-135.)



1. The combination with a cylindrical platen for a typewriting machine, of means for releasably securing a

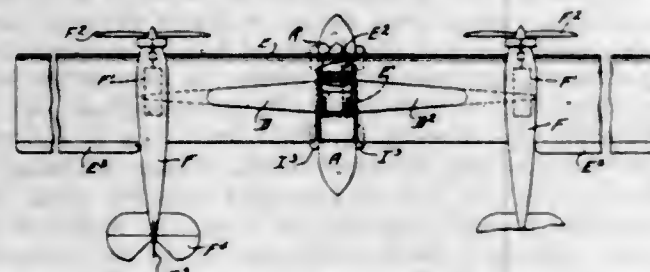
strip of backing material to the typing surface of said platen, for stencil-cutting, said means including two groove-like recesses extending longitudinally over the platen at two different parts of its circumference, a rectangular frame which presses the strip against the platen surface, an angle-shaped anchoring prolongation at the lower end of the frame extending into the lower groove-like recess, means for fixing said anchoring prolongation within the last-mentioned recess, an angle-shaped front prolongation at the upper end of the frame and being insertable into the upper groove-like recess, and means for releasably securing said front prolongation within said upper groove-like recess.

1,735,871. WIRE-DRAWING APPARATUS. HERBERT OLOF OLSON, La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 8, 1927, Serial No. 197,288. Renewed July 10, 1929. 8 Claims. (Cl. 205-16.)



1. In a wire drawing apparatus, a rotary die holder, a die supported thereby with a draw hole thereof eccentric in relation to the axis of the holder, and means for imparting rotation to the holder.

1,735,872. AIRPLANE HELICOPTER. WALTER I. O'NEILL, New York, N. Y. Filed May 2, 1928. Serial No. 274,387. 8 Claims. (Cl. 244-14.)

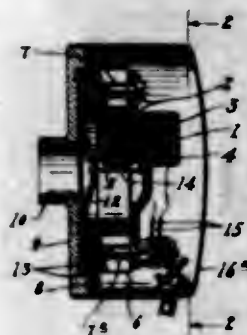


1. A combined airplane-helicopter comprising a central fuselage, a tubular member having tapered end portions extending transversely of said fuselage beyond the sides thereof and arranged for angular movement about its longitudinal axis, a supporting aerofoil rigidly mounted on said tubular member and having surface portions directly above said fuselage, an aerofoil body extending transversely of and rigidly connected to said first mentioned aerofoil at each side of said fuselage, a power generating unit in said aerofoil body, and means for moving said aerofoil and aerofoil body from a position for horizontal flight to a position for vertical flight.

1,735,873. SOUND-REGENERATING DEVICE. WEHRLI D. PACK and JOSEPH M. S. KING, Salt Lake City, Utah, assignors to Utah Radio Products Company, Incorporated, a Corporation of Utah. Filed July 29, 1926. Serial No. 125,709. 1 Claim. (Cl. 175-336.)

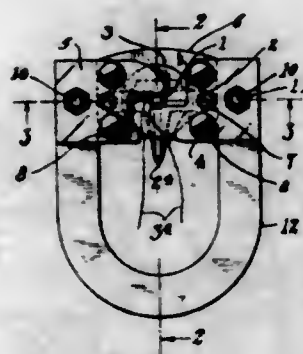
A reproducing device of the telephone receiver type, comprising a permanent magnet, an electro-magnet, an

armature, openings in said armature, and resilient means passing through openings and expanding on opposite sides



of the armature so that said means act as resilient support means for the armature and hold the same pivotally so that the ends thereof are free to oscillate.

1,735,874. VIBRATORY UNIT. WEHRLI D. PACK, Salt Lake City, Utah, assignor to Utah Radio Products Company, Incorporated, a Corporation of Utah. Filed Sept. 30, 1927. Serial No. 223,230. 5 Claims. (Cl. 175-339.)



1. In a vibratory unit of the character described, the combination of a permanent magnet having pole pieces securely fastened thereto and extending inward, a mounting block securely fastened between the poles of said magnet and said pole pieces, a pair of coils mounted in said mounting block, and an armature assembly also securely fastened to said block consisting of an armature, a flexible mounting and a portion extending from the center of the armature mounting at right angles to said armature to which the energy of the armature vibrations is imparted.

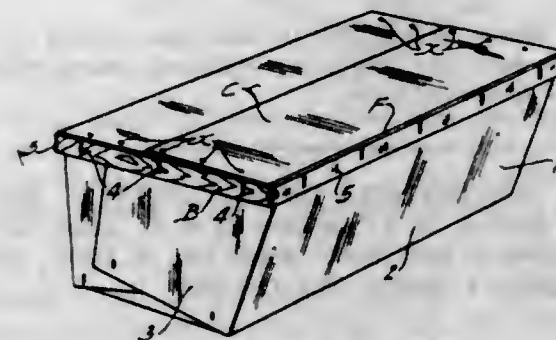
1,735,875. VIBRATORY UNIT. WEHRLI D. PACK, Salt Lake City, Utah, assignor to Utah Radio Products Company, Incorporated, a Corporation of Utah. Filed Mar. 21, 1928. Serial No. 263,297. 6 Claims. (Cl. 179-114.)



1. A vibratory unit having a magnet, two pole pieces affixed at the ends of said magnet, and an armature in

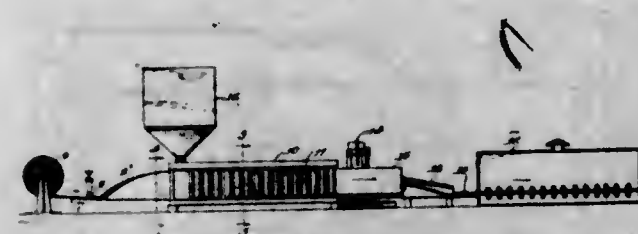
which the ends thereof are free with equal spacing between the poles of the magnet in which the transmission of energy is made from its middle portion so that a perfect balance of the armature is obtained, and means for damping the vibrations of said armature.

1,735,876. PACKING OR SHIPPING CONTAINER. WILLIAMS S. PATTERSON, St. Louis, Mo., assignor to Gereke-Allen Carton Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 11, 1926. Serial No. 128,568. 1 Claim. (Cl. 229-30.)



A container, comprising a body portion formed from a single sheet of cardboard or other suitable sheet material bent, folded so as to produce a bottom and upright side walls integrally connected to said bottom, overlapping end wall flaps integrally connected to said bottom and side walls, a relatively thick wooden member attached to the outside face of each end wall of the box at the upper edge of same, overlapping cover flaps formed by separate pieces of material, proportioned so as to overlap the top edges of said wooden members and adapted to be held in a closed position by fastening devices driven directly into said wooden members, and integral flanges on said cover flaps arranged in overlapping relation with the side walls and permanently attached to the upper edge portions of same, said flanges overlapping the ends of said wooden members and being secured to same by fastening devices driven into the ends of said wooden members.

1,735,877. MANUFACTURE OF WALL BOARD. CALVIN PAYNE, Chicago, Ill., assignor to Gypsum Engineering & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 10, 1926. Serial No. 107,854. 10 Claims. (Cl. 154-2.)



1. A method of manufacturing wall board which consists in forming a strip of covering material into a longitudinally extending trough of the general size and shape of the board to be produced, said trough being closed at one longitudinal side edge and open at the other longitudinal side edge and being arranged in upright position with the open edge uppermost, and depositing material in the trough to form the body of the board.

1,735,878. DEVICE FOR MEASURING THE CURRENT DENSITIES OF GALVANIC BATHS. WILHELM ANTON FRANZ PFANHAUSER, Leipzig, Germany. Filed May 7, 1928, Serial No. 275,598, and in Germany Oct. 28, 1927. 4 Claims. (Cl. 175-183.)



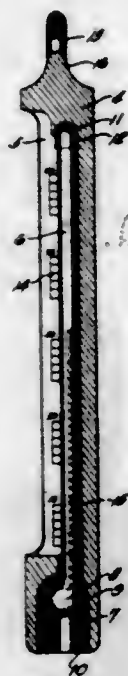
1. A device for measuring the current densities in galvanic baths, comprising two electrodes, insulating means whereby said electrodes are effectively insulated from each other, an ammeter, electrical connection between said electrodes through said ammeter, and means for preventing electrolytic connection between said electrodes.

1,735,879. COMBINED UTILITY CABINET AND STAND. FREDERICK D. REYNOLDS, St. Louis, Mo. Filed Nov. 15, 1926. Serial No. 148,546. 7 Claims. (Cl. 312-143.)



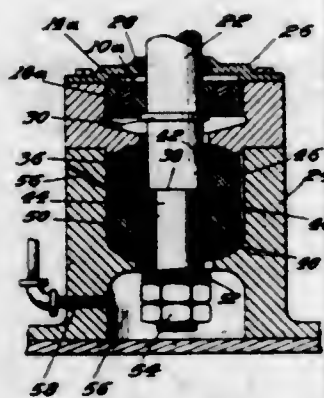
3. A utility stand comprising corner posts, brackets secured to and spaced laterally from the upper ends thereof, a shelf extending between the upper ends of said corner posts and provided near its corners with openings for receiving said brackets, thereby interlocking said shelf with said corner posts, said shelf being provided with a central flanged opening, and screws threaded in the flange of said opening and extending thereinto for securing and supporting therein the basal end of the article to be supported by said stand.

1,735,880. GUIDE THERMOMETER. HENRY F. SCHROEDER, Milwaukee, Wis., assignor to Milwaukee Die Casting Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 25, 1927. Serial No. 208,290. 3 Claims. (Cl. 73-52.)



1. A guide thermometer comprising a casing having a lower end bore, a thermometer tube formed with a bulb at one end mounted in said casing, the lower end bore accommodating the bulb, and a cored plug in the bore between the bulb and the lower end of the casing.

1,735,881. SHAFT BEARING. WILLIAM E. SEASTEDT, Chicago, Ill. Filed Aug. 8, 1928. Serial No. 298,262. 1 Claim. (Cl. 308-144.)

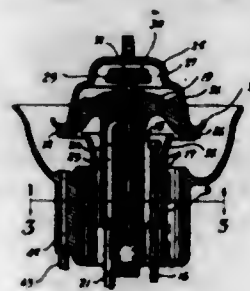


In a double thrust bearing, a housing, a shaft within the housing, an upper race loosely mounted upon the shaft and freely rotatable within the housing, a middle race rigidly mounted upon the shaft, a lower race loosely mounted upon the shaft and freely rotatable within the housing and a ring comprising a plurality of sections slidably positioned between the upper race and the middle race and between the middle race and the lower race, the said three races having concave sliding surfaces, the said rings having convex upper and lower surfaces to conform with the concave faces of the races.

1,735,882. LIQUID AND GASEOUS FUEL BURNER. CARROLL J. SHERMAN, Houston, Tex., assignor of one-third to Ewing Werlein and one-sixth to Charles H. Sherman, Harris County, Tex. Filed Feb. 21, 1928. Serial No. 255,872. 12 Claims. (Cl. 158-11.)

3. A fuel burner comprising a generator plate having a lower hollow stem and a central opening, a pipe for gaseous fuel extending upwardly through said stem and

opening, and projecting above said plate, a radial baffle on said pipe, a valve plate normally closing the upper end of said pipe, a liquid-tight connection between said stem and



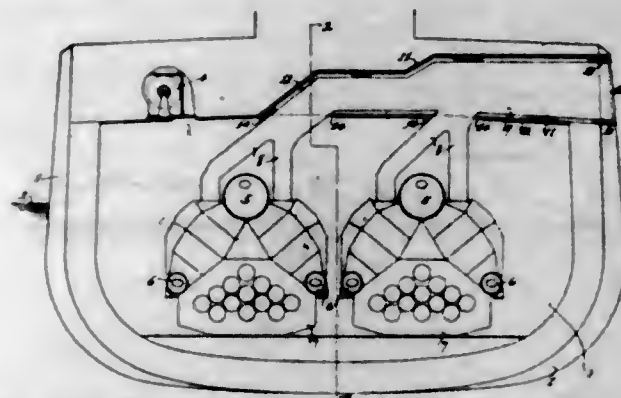
said pipe, means to feed fuel to said stem, means to conduct gas to said pipe, and a vaporizer cap spaced slightly above said generator plate.

1,735,883. ADVERTISING DISPLAY DEVICE. IRA W. SMITH, Newark, N. J., assignor to B. L. Akins, Inc., a Corporation of New York. Filed Dec. 6, 1928. Serial No. 152,833. 4 Claims. (Cl. 40-140.)



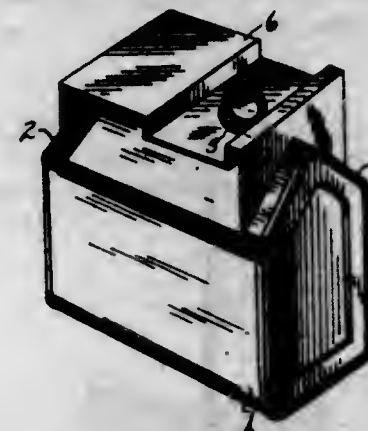
1. In a display device, a background member having a magnetic surface and a detachable character unit, the latter comprising a plate having a fulcrum member of non-magnetic material, upon its rear face adjacent a margin thereof, a permanent magnet secured to said rear face in spaced relation to said fulcrum member, said magnet being so proportioned as to contact with and adhere to said surface when said fulcrum member is placed upon said surface and said plate is swung upon said fulcrum member to a position substantially parallel to said surface.

1,735,884. BOILER UPTAKE. THOMAS B. STILLMAN, South Orange, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Apr. 3, 1928. Serial No. 266,934. 8 Claims. (Cl. 110-72.)



1. A ship having a boiler room in which super-atmospheric pressure is maintained, a smoke-stack extending from the boilers in said room to the outside, means comprising a casing spaced from said stack to prevent leakage of gases from said stack, and means to maintain boiler room pressure in the space between said stack and casing.

1,735,885. CONTAINER SPACER. FRANK I. TOWLE, St. Paul, Minn. Filed June 9, 1928. Serial No. 284,149. 6 Claims. (Cl. 220-97.)



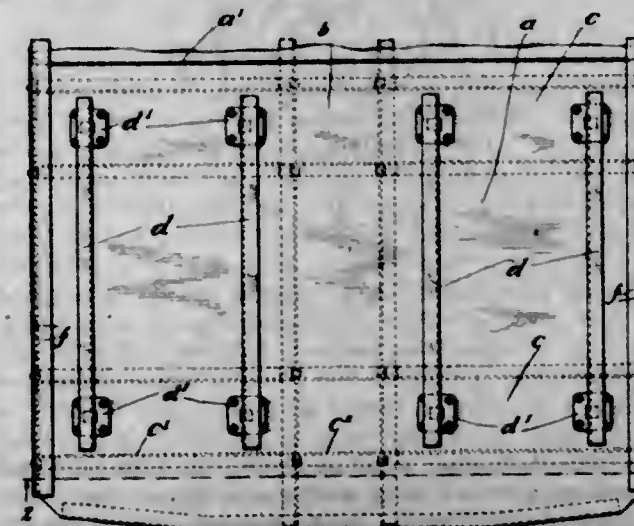
4. In a device of the type described, the combination comprising a container, a spout member attached thereto, a spacer element supported on the container and encircling the spout member so as to substantially enclose it.

1,735,886. BUILDING STRUCTURE. FREDERICK M. VENZIE, Philadelphia, Pa. Filed Feb. 18, 1929. Serial No. 340,863. 5 Claims. (Cl. 77-68.)



1. In a pre-cast slab having at one end a laterally extended flange for resting upon a beam, said slab having a cut-away portion co-extensive with said flange and having at its other end a pair of spaced, longitudinally extended metal suspension members anchored in said slab at an inclination to the upper surface of the slab and having their outer ends projected into cut-away portions of the slab for beam attachment, and spaced conventional reinforcing rods extended longitudinally through said slab and independent of the suspension flange and suspension members.

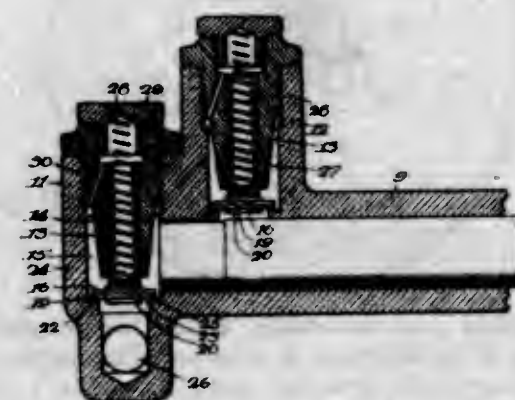
1,735,887. BODY-BOLSTER CONSTRUCTION. ROBERT G. ANDERSON, Elmhurst, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 13, 1927. Serial No. 212,625. 3 Claims. (Cl. 105-133.)



3. A body construction for a rail car comprising a center sill and flooring carried thereby, bolsters secured thereto

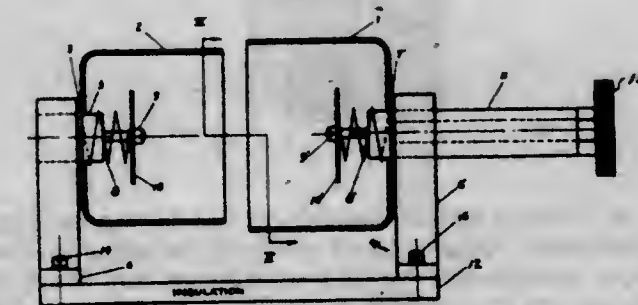
in spaced relation adjacent one end thereof, an independent section of said flooring secured to the sill and bolsters, and means to secure power units upon the independent section over the bolsters.

1,735,888. VALVE. WILLIAM E. BAKER and RICHARD C. ALAND, Cleveland, Ohio, assignors to William Edgar Baker and George Alton Frantz, trustees of The Web Engineering Company, Cleveland, Ohio. Filed Jan. 18, 1926. Serial No. 81,966. 5 Claims. (Cl. 251-27.)



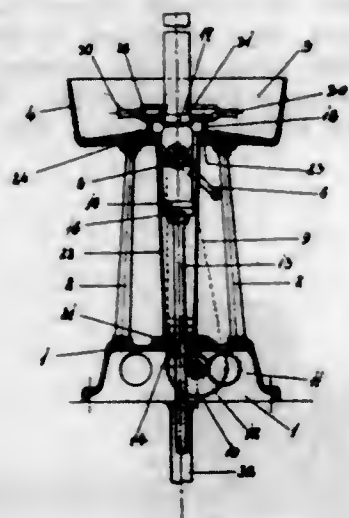
3. A valve comprising a body having an opening for the passage of a fluid therethrough, said opening being surrounded by a seat in the form of an annular shoulder, a recess surrounding said shoulder, a stem having a flexible disk adapted to contact with said seat, and a member having a curved surface on the other side of said disk from said seat whereby when said disk is brought into engagement with said seat it may bend to conform with said curved surface and move along the surface of said seat.

1,735,889. VARIABLE CONDENSER. JOHN T. B. BLOUGH, East Pittsburgh, and ELMER E. CHRONISTER, Turtle Creek, Pa. Filed Mar. 5, 1927. Serial No. 172,986. 3 Claims. (Cl. 175-41.5.)



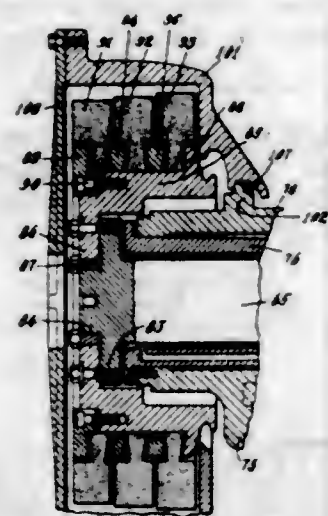
1. A variable condenser comprising a pair of corrugated conductor elements of substantially cylindrical form, insulated from each other and disposed one within the other and having their respective corrugations interacting, terminals for electrically connecting said elements and means for effecting relative axial and angular movement of said elements.

1,735,890. CORE-PEELING DEVICE FOR FOUNDRIES. RUDOLF BRUNE, Dortmund, Germany. Filed Oct. 23, 1926, Serial No. 143,722, and in Germany Oct. 29, 1925, 6 Claims. (Cl. 22—11.)



1. Trimming and smoothing device for foundry-cores comprising in combination, a substantially vertically disposed, and upwardly widening tubular member, a plunger axially movable in said member and corresponding to the smaller diameter thereof, and trimming means, marginally disposed at the wider end of said member.

1,735,891. GRINDING WHEEL. WILLIAM LE ROY BRYANT, Springfield, Vt. Original application filed July 20, 1921, Serial No. 486,080. Divided and this application filed Dec. 26, 1925. Serial No. 77,838. 3 Claims. (Cl. 51—206.)



1. A grinding wheel comprising a hub having an undercut peripheral flange and an undercut clamping member, undercut spacing rings on said hub between said flange and clamping member, forming therewith a plurality of dovetail grooves, and a plurality of abrasive rings or sections having dovetail inner portions complementary to and clamped in said grooves.

1,735,892. RULE FOR MEASURING WEIR DISCHARGE. INGARD M. CLAUSEN and RALPH A. PIRACE, Phoenix, Ariz. Filed July 16, 1926. Serial No. 122,994. 24 Claims. (Cl. 73—167.)

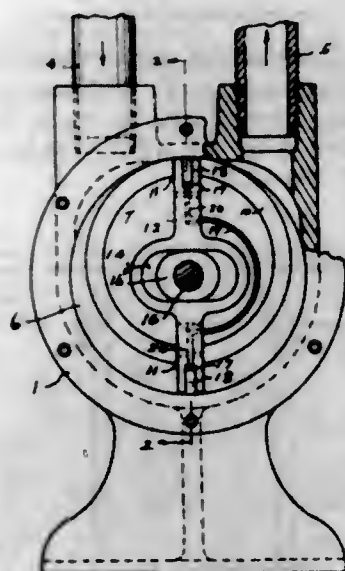
6. In apparatus for obtaining measured quantities of water flowing over a weir, a member adapted to be disposed

vertically above the weir crest to act as an obstruction to the flowing water whereby a surge is created on the upstream face thereof, said member bearing a scale calibrated to show the rate of water flow corresponding to the height of said surge.



8. In apparatus for obtaining measured quantities of water flowing over a weir, a member adapted to be disposed vertically above the weir crest to act as an obstruction to the water flow whereby a surge is created on its upstream face, said member including an adjustable scale element whose zero point may be positioned at the still water level on the downstream side of said obstruction and said adjustable scale element bearing scales calibrated to show the rates of water flow respectively above and below said still water level corresponding to the height of said surge when said element is adjusted so that its zero point is at the down-stream still water level.

1,735,893. PUMP. GEORGE D. COLLINS, Houston, Tex. Filed July 14, 1927. Serial No. 205,752. 3 Claims. (Cl. 103—137.)



1. A pump including a casing having an internal chamber provided with an inlet and a discharge outlet, a rotatable driving member in said chamber and in contact with the chamber wall between said inlet and outlet, a transverse impeller blade spanning said chamber and operatively connected with and driven by said driving member,

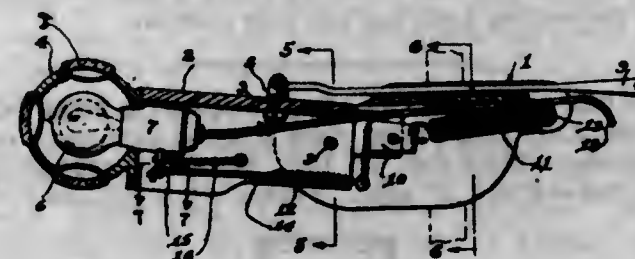
packing elements carried by the blade ends, and a single yieldable member against the respective ends of which the respective packing elements are mounted, and which is effective to hold said elements yieldingly against the walls of said chamber and means for adjusting said driving member relative to the chamber wall.

1,735,894. LABEL. FRED H. COOMBS, Lynn, Mass., assignor to Forbes Lithograph Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed May 27, 1926. Serial No. 112,018. 1 Claim. (Cl. 40—2.)



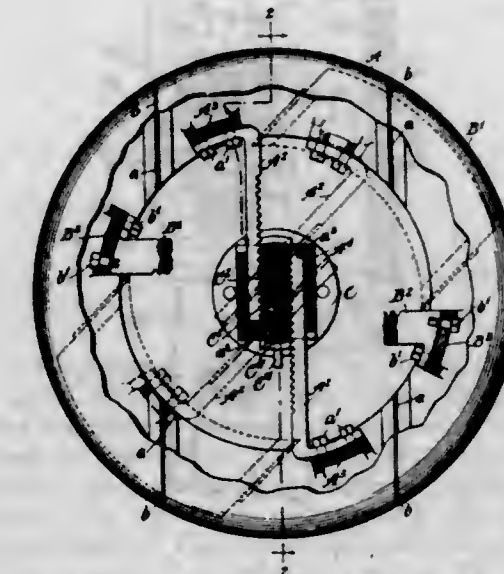
A printed label having ends of equal width adapted to be adhesively secured together to secure the label in encircling relation about a package, said label having at one end on its outer face an unprinted portion of less width than said end providing for the application of adhesive thereto and adapted to underlie the other end of the label, said part being bordered at the sides with printed margins matching the margins of the overlying printed margins matching the margins of the overlying end.

1,735,895. VEHICLE SIGNAL. LORETO DEL PILAR, Seattle, Wash. Filed Feb. 23, 1927. Serial No. 170,807. 1 Claim. (Cl. 177—329.)



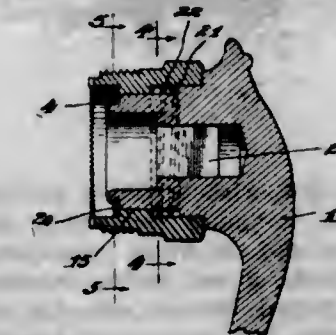
In a vehicle signal of the class described, a stationary member, an oscillating member pivoted to the front of said stationary member, a rod pivoted to the top of said oscillating member, a bell-crank pivoted to the rear of said oscillating member and having one arm lying normally in the general direction of the length of the device and the other at right angles thereto, a substantially heavy coil spring having one end fastened to the first named arm of said bell-crank and the other end to the rear of said stationary member for normally keeping said oscillating member in a substantially horizontal plane, an electric bulb including a switch therefor at the front end of said oscillating member having an operating member provided with a crank arm, and a spring of substantially lighter construction than the first mentioned spring, said spring connected at one end to said crank arm and the other end to the second arm of said bell crank.

1,735,896. COLLAPSIBLE CORE STRUCTURE. PETER DE MATTEA, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 6, 1927. Serial No. 159,265. 27 Claims. (Cl. 154—9.)



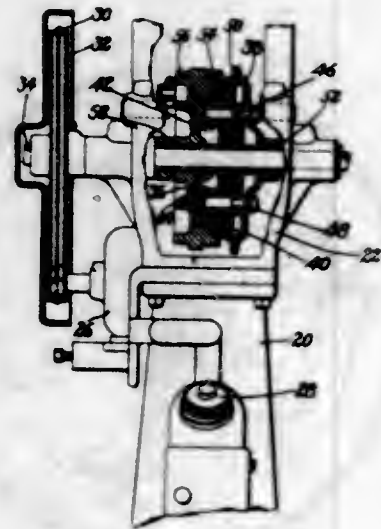
1. A collapsible core structure comprising a plurality of segmental core sections, a rotary support, disengageable connections between the core and the support to permit the rotation of the core relatively to the support, and means actuated by such relative rotation of the core for moving certain of the sections into and out of the position of operative continuity.

1,735,897. HANDLE ASSEMBLY. FRANK M. EDGAR and THOMAS P. ARCHER, Detroit, Mich., assignors to Tarnstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed May 6, 1926. Serial No. 107,179. 11 Claims. (Cl. 29—161.)



1. A handle assembly, comprising the combination of a handle having a hub, a bushing fitting over the hub, the hub having a shoulder and the bushing having an annulus spaced interiorly from each end of the bushing and on its interior surface the shoulder and annulus being flat and in alignment when the bushing is in place, and a flat ring fitting over the end of the hub and abutting against the shoulder and annulus, the abutting surfaces of the ring and annulus being shaped to nicely fit each other, and means for holding the ring in position.

1,735,898. DRIVING AND CONTROLLING MECHANISM. FREDERICK M. FURBER, deceased, Revere, Mass., by Samuel R. Cutler, administrator, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 16, 1926. Serial No. 129,468. 16 Claims. (Cl. 74-34.)



1. In a driving and controlling mechanism for a machine having a part movable to operate a work treating instrumentality, the combination of mechanism including a friction device for moving said part, and means for varying the friction in said friction device during a portion of the period of operation.

1,735,899. RESILIENT COUPLING CONNECTION FOR VEHICLE SPRINGS. RALPH L. HENRY, Detroit, Mich., assignor to Albert C. Henry, Inwood, N. Y. Filed Oct. 29, 1926. Serial No. 144,926. 6 Claims. (Cl. 267-30.)

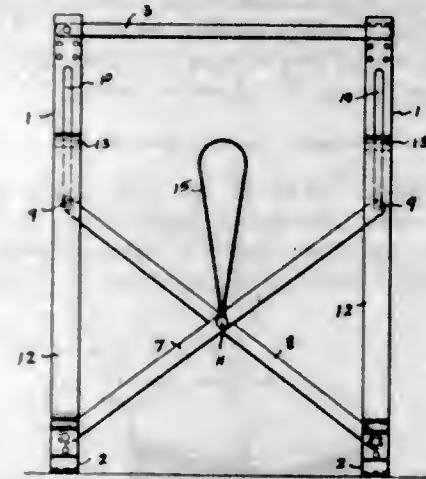


1. In combination with a spring and frame of a vehicle, a resilient coupling connection intermediate an end of the spring and the frame, comprising a main body of resilient material, a leaf spring imbedded within said main body to extend between the top and lower portions of the latter, and mechanical fastening means engaged between the terminal portions of said imbedded spring means and said vehicle spring and frame respectively.

1,735,900. NEWSPAPER RACK. LEONIDAS P. HOBBS, Houston, Tex. Filed Jan. 28, 1927. Serial No. 164,175. 4 Claims. (Cl. 45-57.)

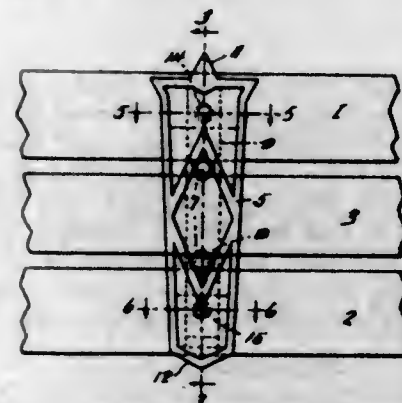
1. A newspaper rack, including front supporting legs, rear supporting legs pivoted at their upper ends to the respective front legs intermediate their ends, cross links pivoted together and pivotally connected at one end to the front legs and whose other ends have a slidable connection with said front legs, a cross bar pivoted to one

leg and slidably connected with the other leg, spring clamps rigidly secured to said front legs near their lower ends



and adapted to clamp a paper between them and said front legs and also to support said paper and a support carried by said cross links.

1,735,901. BUMPER CLAMP. HERBERT S. JANDUS, Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed July 18, 1927. Serial No. 206,436. 23 Claims. (Cl. 293-51.)



21. A clamp plate comprising an ornamental plate having a recess in its rear surface, a bearing plate adapted to be positioned in said recess and to be fixed to said ornamental plate, said bearing plate having a threaded aperture therein and said recess providing a space between it and the bearing plate opposite said aperture.

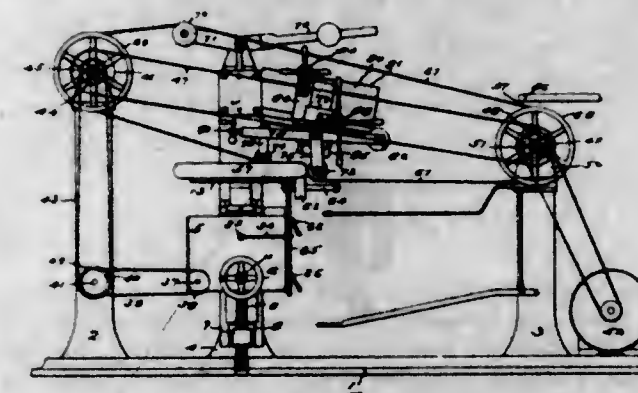
1,735,902. DISPENSING APPARATUS FOR SOAP POWDER AND THE LIKE. LEIF HARTVIG JOHANSEN, Oslo, Norway. Filed Feb. 17, 1927. Serial No. 169,050, and in Norway Apr. 27, 1926. 1 Claim. (Cl. 221-62.)



Apparatus for dispensing soap powder and the like comprising in combination a container having at its lower part

a discharge opening, the walls of said opening constituting a valve seat, a movable valve stem passing down from the interior of the container out through said opening, said valve stem having a clear annular space between it and the opening edge, a guide for said stem arranged inside the container at a considerable distance above the discharge opening so as to leave an unobstructed space around the said stem between the guide and opening, a valve attached to the stem outside the container and cooperating with the valve seat at the discharge opening, a collar attached to the valve stem under the guide inside the container and operating as an agitator, means for normally retaining the valve stem in a definite resting position, the lower portion of the container being formed with smooth conical interior walls at an inclination steeper than the angle of friction of the powder, said inclination being constant and continuous down to the edge of the discharge opening.

1,735,903. AIR-BAG CLEANING AND BUFFING MACHINE. JOHN ERIC JOHNSON, Hartford, Conn., assignor to The New Haven Sherardizing Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 15, 1926. Serial No. 81,362. 3 Claims. (Cl. 51-141.)



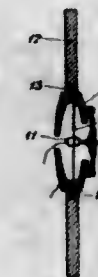
1. A machine for cleaning air bags comprising a table rotatable in a horizontal plane and having means for retaining the bag to be cleaned, mechanism for rotating the table, an endless abrasive belt supported above and movable across the top of the table, mechanism for causing the belt to travel continuously in one direction, rolls extending between the upper and lower sections of said belt and adapted to positively engage and press the lower section of the belt downward, a vertically adjustable slide carrying said rolls, and a horizontally adjustable slide carrying the vertically adjustable slide, whereby the rolls may be located to guide said belt against the outer and inner periphery of a bag located on the table.

1,735,904. INSTRUMENT PANEL DESIGN. DON E. KEENEY, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed June 20, 1927. Serial No. 200,186. 2 Claims. (Cl. 180-90.)



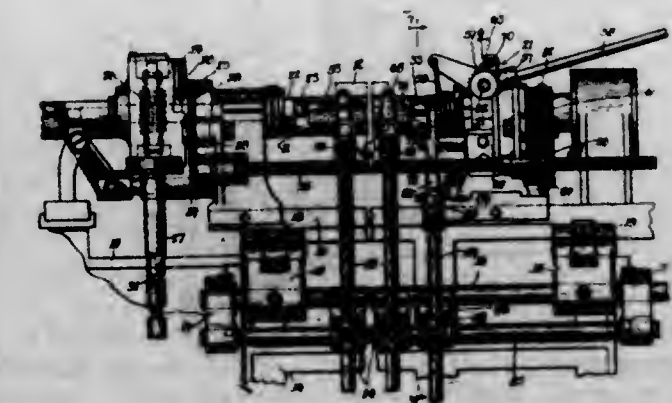
1. The combination of an instrument board, a plurality of instruments at the rear of the instrument board, a bezel disposed at the front of the board surrounding the instruments and defining an instrument panel, and common clamping means for securing the instruments and the bezel to the panel.

1,735,905. MICROPHONE MOUNTING. WILLIAM H. MARTIN, Chappaqua, N. Y., and MAURICE E. STRISBY, Millburn, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 30, 1926. Serial No. 158,086. 3 Claims. (Cl. 170-121.)



1. A mechanism for equalizing the electrical transmission of sound waves over a wide range of frequencies, comprising an element for varying the electrical current in response to variations of the pressure of impinging sound waves, and a large plane surface associated with said element for reflecting substantially equally in the neighborhood thereof all frequencies of sound waves to be transmitted, whereby the effective pressure for the lower tones is increased in substantially the same proportion as for the higher tones.

1,735,906. WOOD-TURNING MACHINE. CARL LAWRENCE MATTISON and CHARLES EDWARD LA POINTE, Rockford, Ill., assignors to Mattison Machine Works, Rockford, Ill., a Corporation of Illinois. Filed July 1, 1925. Serial No. 40,728. 6 Claims. (Cl. 142-17.)

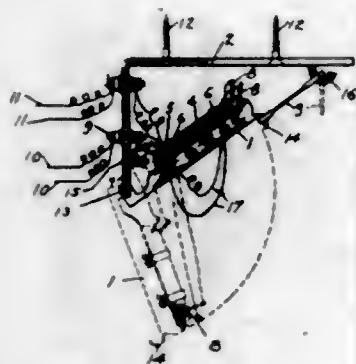


1. A wood-turning machine having in combination, a main frame having a cutter mounted thereon, a table having a pair of spindles mounted in spaced relation, said table being movable to carry the work into and out of engagement with the cutter, driving means for said spindles, and means for automatically releasing the work and clamping new work in place as the table is moved away from the cutter, said means comprising a stationary cam, a dog pivotally mounted on said table adapted to engage said cam, a rockable lever geared to one of said spindles, and a link connecting said dog and lever.

1,735,907. FIRE ALARM. HENRY TRICE MITCHELL, Kansas City, Mo., assignor to Theodore G. Johnson, Kansas City, Mo. Filed Dec. 19, 1925. Serial No. 76,502. 1 Claim. (Cl. 200-141.)

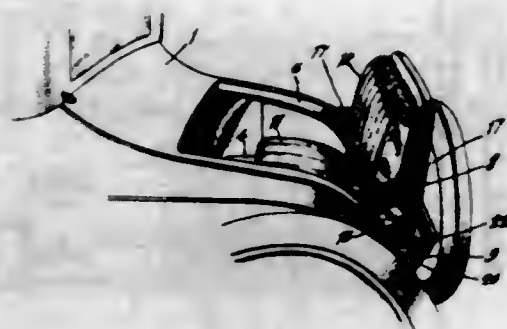
In a fire alarm, a thermal switch consisting of a right-angular support, a semitubular holder pivotally connected

at one end to the lower end of said support, a hook at the opposite end of said holder, a hook on the upper portion of the support, a fusible link connected to said hooks for supporting the holder in an upwardly inclined position, a



container carried by and having its lower portion inclosed in said holder and provided with a liquid conductor, contacts projecting into one end of the container which are covered by said conductor when the holder is held in upwardly inclined position, and contacts projecting into the opposite end of said container which are engaged by the conductor when the holder swings downwardly on destruction of the fusible link.

1,735,908. ROADSTER REAR SEAT. IRVING J. REUTER, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 3, 1927. Serial No. 158,667. 6 Claims. (Cl. 296-66.)

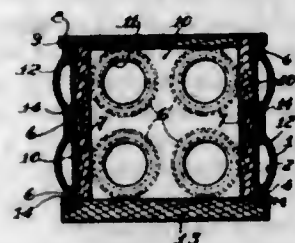


1. An automobile body having a rear deck with an opening therein, a seat within the rear deck, and a closure for said opening, including sections pivoted respectively to the body and having intersecting paths of swinging movement and links pivotally connecting adjacent ends of said sections to each other, whereby said sections are moved in unison out of the swinging paths of each other to permit access to said seat, one of said sections constituting a back rest for said seat when in open position.

1,735,909. METHOD OF AND APPARATUS FOR MAKING ARTICLES OF GALVANOPLASTIC METAL. GUNNAR ROSENQVIST, Pittsburgh, Pa. Filed Apr. 13, 1927. Serial No. 183,432. 8 Claims. (Cl. 204-5.)

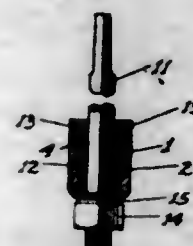
1. Apparatus for producing articles by electrolytic deposition comprising, a mold provided with depressions of the shape of the articles to be formed, a liner of flexible material disposed on the inner face of the mold having

cut-out portions corresponding to said depressions but of lesser dimensions than the latter, said mold being recessed



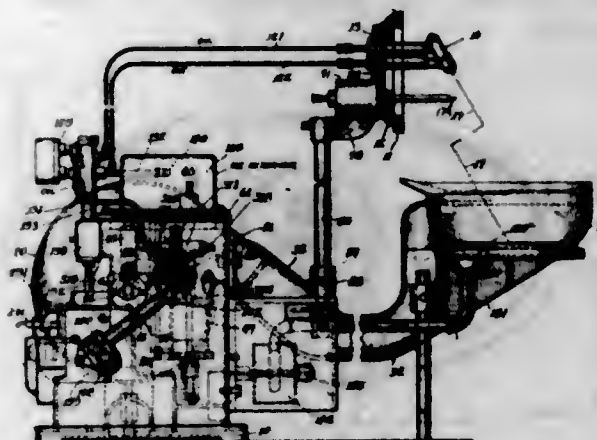
adjacent the edge of said depressions whereby the liner is firmly held against the face of the mold when subjected to the pressure of an electrolytic solution.

1,735,910. COUPLING. CLYDE S. SIMMONDS, Sacramento, Calif. Filed July 7, 1926. Serial No. 120,879. 2 Claims. (Cl. 287-53.)



1. A coupling structure comprising a head having a straight walled central bore and a relatively short outwardly tapered seat at the upper end thereof, a spindle, a sleeve member secured on to the spindle and fitting both the straight bore and tapered seat, means detachably holding the sleeve member and head against relative longitudinal separation in one direction, and means formed with the sleeve member and head for interlocking engagement to prevent rotation of the head relative to the sleeve.

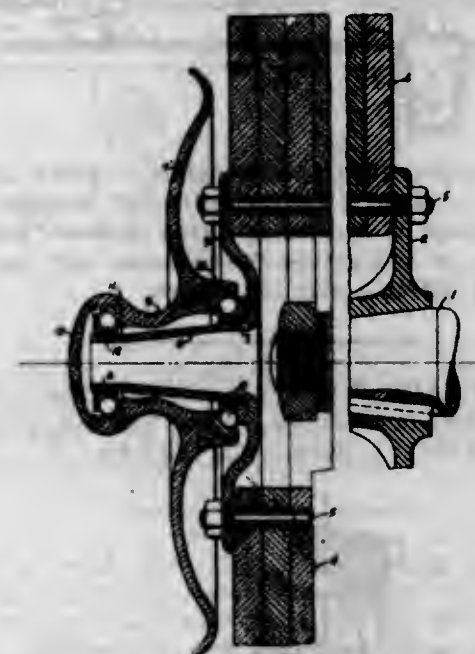
1,735,911. AUTOMATIC OIL BURNER. GUSTAF DAVID SUNDBRAND, Rockford, Ill., assignor to Sundstrand Engineering Company, Rockford, Ill., a Corporation of Illinois. Filed Dec. 2, 1925. Serial No. 72,634. Renewed May 24, 1928. 29 Claims. (Cl. 236-1.)



14. In an automatically controlled motor operated burner, a mechanical controlling motive device for the burner driven by the motor which operates the burner,

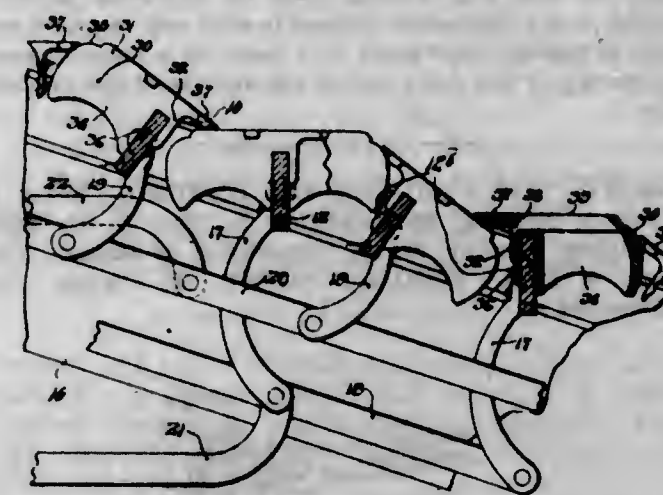
said device having a power clutch between the burner motor and the movable parts thereof, a thermostat affected by the burner, and means responsive to said thermostat for controlling the clutch and the main motor.

1,735,912. PROPELLER GUARD. GRIFFIN C. THRIFT, Houston, Tex. Filed Oct. 4, 1926. Serial No. 139,371. 6 Claims. (Cl. 170-177.)



1. The combination with the propeller of an aeroplane, of a disc-like guard rotatably mounted on the outer end of the hub thereof and a central oval hand rest carried by the outer, or forward, end of said guard, said guard extending outwardly beyond the hand rest on all sides.

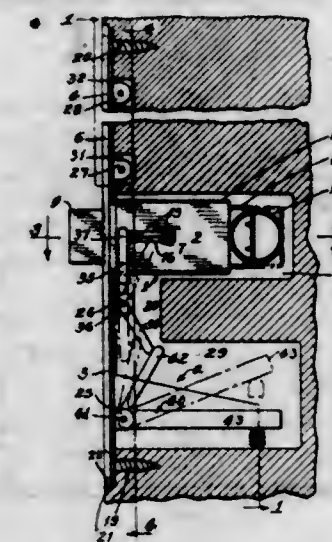
1,735,913. STOKER. FRANK J. WIDMAN, Oak Park, Ill. Filed Sept. 19, 1925. Serial No. 57,558. 5 Claims. (Cl. 110-39.)



1. A grate comprising an inclined frame, transverse bars arranged therein in a step-down relation, a plurality of fuel supporting members upon said bars and having the point of their suspension thereon adjacent one end and normally providing a continuous flat inclined single plane fuel holding surface, said fuel supporting members being arranged upon said bars in linear rows, each row having all its members pointed in one direction, the direction of the members in alternate linear rows being opposite, and means for rocking contiguous transverse bars in opposite directions, the movement of said bars dividing the top surface of said grate into two series of alternately disposed contiguous step-like transverse surfaces having complementary and interfitting contiguous edges, one series of said surfaces being in a transverse horizontal plane and the other series of surfaces sharply inclined inwardly of the grate.

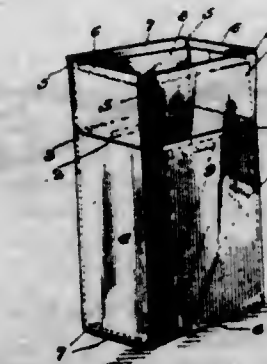
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1,735,914. DOOR-LATCH-OPERATING MEANS. SPENCER F. WREAD, Los Angeles, Calif. Filed Feb. 19, 1927. Serial No. 169,484. Renewed Apr. 8, 1929. 12 Claims. (Cl. 70-29.)



1. In a door latch comprising a plate formed with an outer housing; an upper plate member and a lower plate member; lugs extending inwardly from said plate members; a latch engaging lever pivoted to the lugs on one of said plate members; and means for operating said latch lever to retract the latch.

1,735,915. CARTON. GEORGE H. BENT, Battle Creek, Mich. Filed Jan. 23, 1923. Serial No. 614,422. 1 Claim. (Cl. 229-14.)



A carton comprising an outer member of cardboard or the like provided at the upper end thereof with package-closing portions extending from four side panels of said member, and a separately formed, flexible paper liner adapted to be assembled therewith and having restricted adhesive areas adapted to attach it to the outer member on two opposed top portions only of said member and having a body portion in the outer member substantially free of the walls thereof, said liner having a package-closing portion adjacent to and entirely free from the package-closing portions on the outer member and adapted for independently reclosing when portions of the contents have been removed.

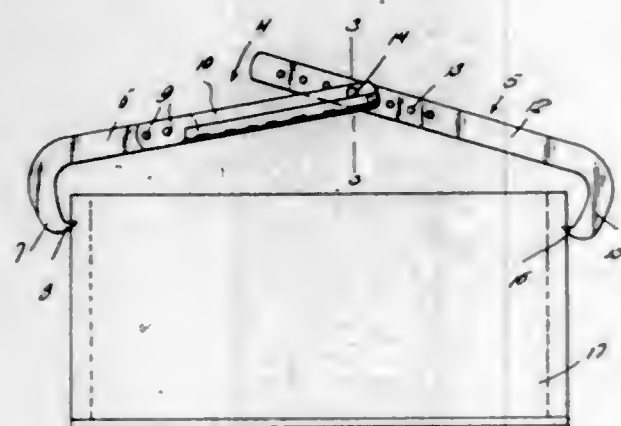
1,735,916. TIRE MOLD. ANTON BOSCHER, Cleveland, Ohio. Filed June 30, 1926. Serial No. 289,621. 1 Claim. (Cl. 18-47.)

A mold for curing rubber and having a coating of sirconium upon its molding surface.

1,735,917. BOX TONGS. RAY CONRAD, Wapato, Wash. Filed Apr. 14, 1928. Serial No. 270,057. 1 Claim. (Cl. 294-106.)

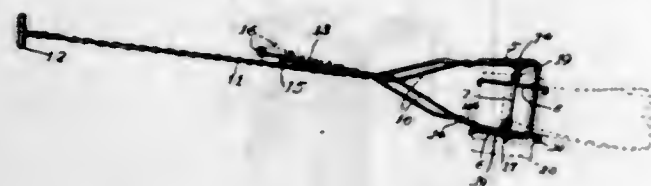
A box prong of the class described comprising two parts, one part embodying a relatively short flat bar having a

hook at its outer end and an intumed pointed prong on the extremity of the hook, together with a pair of spaced parallel strips riveted to the inner end of said bar and having their bottom longitudinal edges bent and turned up to form spaced hand grips, the remaining part com-



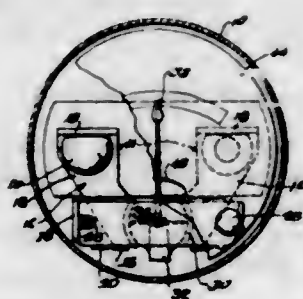
prising a relatively long bar formed at its inner end with a multiplicity of apertures and formed at its outer end with a hook terminating in a prong, the apertured end of said second-named bar being arranged between the afore-said strips, and a pivot pin passing through said strips and a selected one of the apertures in said second named bar.

1,735,918. MOP AND BRUSH HOLDER. JOHN J. DOBIL, Chicago, Ill. Filed Apr. 16, 1928. Serial No. 270,398. 6 Claims. (Cl. 15-148.)



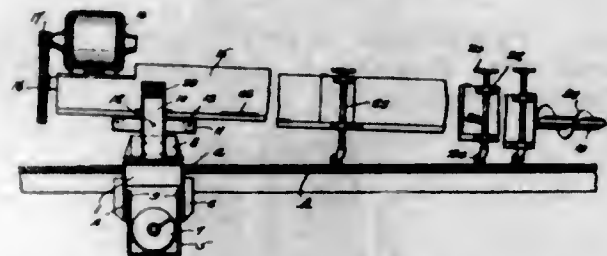
1. A mop holder comprising a shank, a head extended from the shank and formed with a seat, a mop support adapted to seat in the latter, and a movable jaw carried by said holder and adapted to close on the mop support and head to secure the support in seated position.

1,735,919. AMMETER. JESSE E. ESHBAUGH, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed Sept. 22, 1927. Serial No. 221,313. 14 Claims. (Cl. 171-95.)



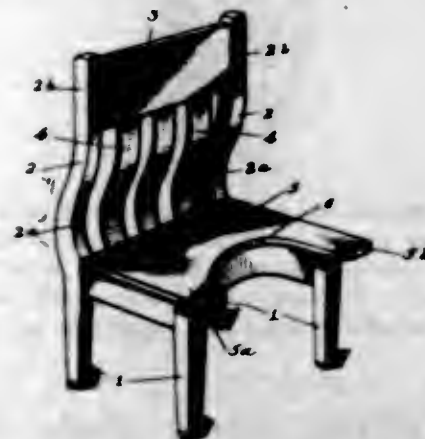
5. In an ammeter, a conductor having two spaced walls, a pointer swinging shaft pivotally mounted between said walls, an armature mounted on said shaft, and means to bias said armature and pointer to zero position.

1,735,920. COTTONSEED HANDLER. PHILIP ATLETT FITZHUGH, Sumner, Miss., assignor to Fitzhugh's Seed Handler and Storage Company, Inc., a Corporation of Mississippi. Filed Jan. 24, 1928. Serial No. 249,102. 9 Claims. (Cl. 198-213.)



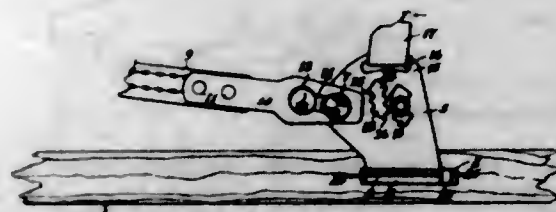
1. Seed handling apparatus including a tubular pedestal mounted for rotation, a conveying trough movable there-with, all portions of said trough being shiftable longitudinally relative to and across the pedestal, and conveying means in and shiftable with the trough.

1,735,921. CHAIR FOR CELLO PLAYERS. JOSEPH FRANZOSA, Philadelphia, Pa. Filed Sept. 10, 1928. Serial No. 304,861. 1 Claim. (Cl. 155-2.)



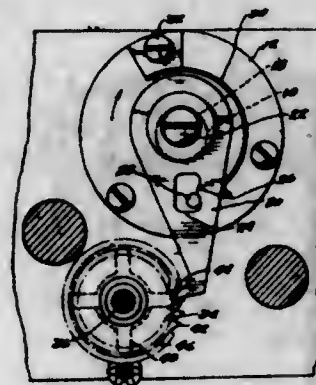
A chair comprising seat-supporting legs, a seat superimposed on said legs having sides of relatively different lengths, and a depression formed in said seat, between said sides, extending rearwardly to a point in a plane disposed backwardly of the front end of the shorter of the two said sides.

1,735,922. TOE CLIP FOR SKI BINDING. LOUIS D. GIBSON, Norway, Me., assignor to The W. F. Tubbs Company, Norway, Me., a Corporation of Maine. Filed July 9, 1928. Serial No. 291,467. 10 Claims. (Cl. 208-184.)



1. In a ski binding, in combination with the ski, of a pair of complementary toe irons therefor adapted to be secured thereto, each of said toe irons comprising lateral boot toe confining side plate portions, a pair of toe clip elements adapted to be rigidly secured to said side plate portions, one to each, each toe clip comprising a stem and head supported thereby, said head providing a boot toe sole cap, said stem adapted for insertion through an aperture in its associated side plate, means to secure the clip element to the plate in either of two alternate rotative positions relative thereto, said clip comprising a pair of lateral surface portions varying in distance radially from the stem axis, each surface interchangeably adapted for positioning relatively nearest the ski.

1,735,923. RATCHET-DRIVE REDUCTION. RALPH OLAF HELGREN, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed June 2, 1928. Serial No. 282,423. 6 Claims. (Cl. 74-54.)



1. In drive reduction a plurality of adjacent coaxial ratchet wheels, one of said wheels being an idler, together with a driving pawl engaging the teeth of the idler, said idler having a deep tooth whereby the pawl may engage the teeth of the adjacent ratchet wheel.

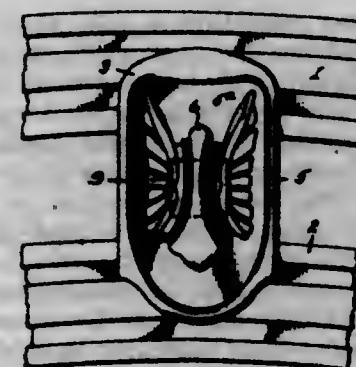
1,735,924. AZO DYE AND PROCESS OF PREPARING SAME. EMMET F. HITCH and HENRY JORDAN, Wilmington Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 9, 1926. Serial No. 140,672. 22 Claims. (Cl. 260-90.)

14. The process of preparing a dye compound which comprises treating an aromatic amino azo compound containing no hydroxy group with a carboxylic compound adapted to condense therewith and form a product containing an acyl group.

1,735,925. PROCESS OF PRODUCING REDUCTION PRODUCTS OF CARBON DIOXIDE. ALPHONS O. JACOB, Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Original application filed Aug. 28, 1925. Serial No. 53,203. Divided and this application filed Mar. 9, 1928. Serial No. 260,553. 18 Claims. (Cl. 260-169.)

1. A method of reducing carbon dioxide to methane, which comprises causing it to react with hydrogen containing gases in stages forming, successively carbon monoxide, formaldehyde, methyl alcohol and methane, without isolation of the intermediate stage products.

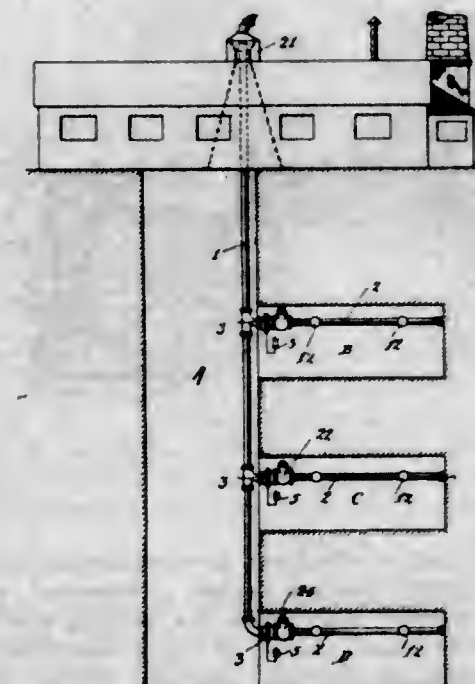
1,735,926. CLAMP. HUBERT S. JANDUS, Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed Jan. 28, 1928. Serial No. 280,160. 8 Claims. (Cl. 293-55.)



1. A multiple plate clamp for bumper bars comprising a plate adapted to bear upon the bars to be clamped, an

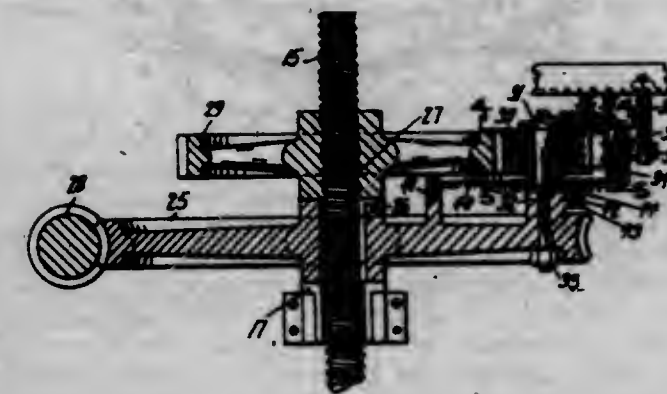
ornamental plate adapted to bear upon the first mentioned plate, and having an angular projecting portion adapted to pass through an angular aperture in said first mentioned plate, a plate adapted to bear upon the rear surfaces of the said bars, and means for drawing said plates together.

1,735,927. MINE-VENTILATING SYSTEM. LOUIS KESSEL, Chicago, Ill. Filed Oct. 24, 1927. Serial No. 228,161. 1 Claim. (Cl. 98-50.)



An apparatus for ventilating mines, comprising a vertical discharge flue leading to the surface from the depth of a mine, sealed lateral pipes of light material connected to said flue at various levels, a fan in each of said pipes near said flue arranged to discharge into said flue, a safety valve in each pipe on the suction side of the corresponding fan to admit air or gas into the pipe when the pressure in the latter drops below a predetermined value, and gas-collecting means adapted to be connected to any one of said pipes.

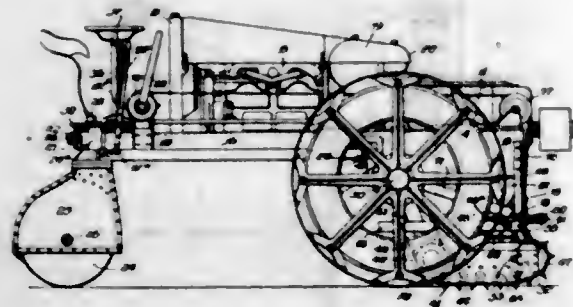
1,735,928. MECHANICAL MOVEMENT. CHARLES W. KURIE, Jr., Colorado Springs, Colo., assignor to The Cycle Company, Colorado Springs, Colo., a Corporation of Colorado. Filed May 28, 1927. Serial No. 194,979. 9 Claims. (Cl. 74-40.)



1. A mechanical movement of the character described comprising a rotary drive wheel, a screw-threaded shaft

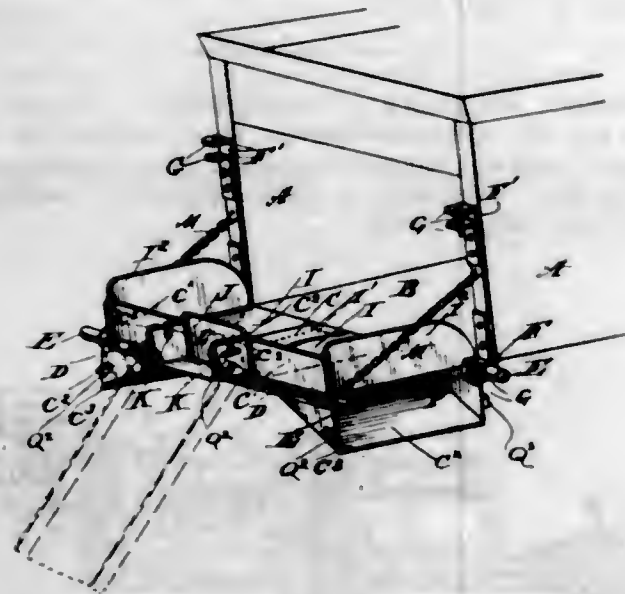
connected for rotation by the drive wheel but capable of relative lengthwise motion, a toothed nut on the shaft, a feed pinion on the drive wheel meshing with the nut, a lever fulcrumed on the drive wheel, a pawl on the lever in driving relation to the feed pinion, and an abutment disposed to be engaged by the lever during rotation of the drive wheel.

1,735,929. TRACTOR. PETER JACOB LYBACK, Chicago, Ill. Filed July 31, 1918. Serial No. 247,603. 15 Claims. (Cl. 180-9.1.)



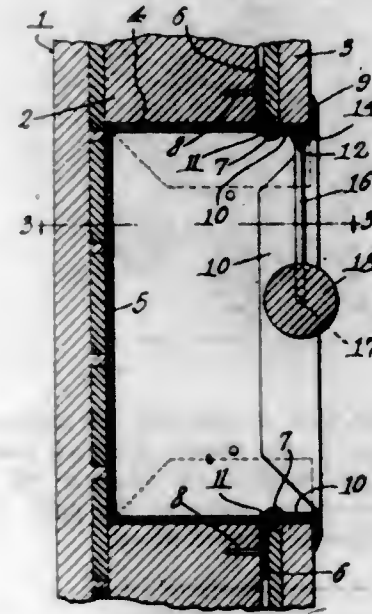
1. In an automotive vehicle, in combination, a continuous flexible tread traction device, a draw-bar, a transverse draft member, and means for varying the relation of the draw-bar and thence of the continuous flexible tread mechanism to said draft member whereby the relation of the continuous flexible tread mechanism to the body of the vehicle may be varied.

1,735,930. DUMPING GATE FOR DUMPING TRUCKS. WILLIAM A. MILLER, Lorain, Ohio. Filed July 11, 1927. Serial No. 204,741. 7 Claims. (Cl. 298-7.)



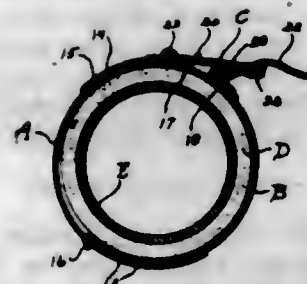
4. In a dump wagon in combination an end gate pivoted thereto, said end gate having a rear retaining outer wall and detachable end walls, said end gate having also an unloading chute in its rear retaining outer wall.

1,735,931. TISSUE CABINET. CARL JAMES NARDON, Los Angeles, Calif. Filed Jan. 14, 1928. Serial No. 248,847. 2 Claims. (Cl. 312-112.)



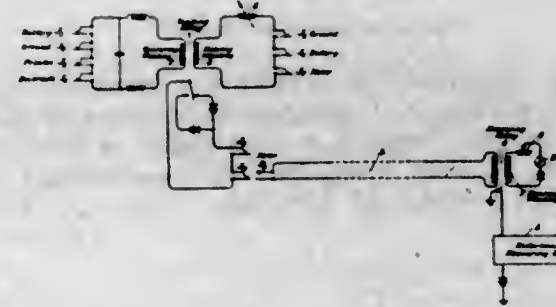
1. A device of the class described, comprising a receptacle, an outstanding securing bracket on the receptacle, a finishing frame extended within the receptacle, a roll hanger mounted on the finishing frame, and a securing device forming a releasable connection between the bracket, the frame, and the receptacle.

1,735,932. HOSE CLAMP. CHARLES PHILLIP NELSON, Santa Monica, Calif. Filed Apr. 27, 1928. Serial No. 273,316. 4 Claims. (Cl. 24-19.)



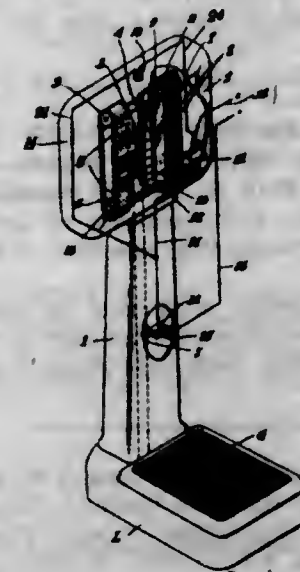
1. A hose clamp comprising a pair of complementary flexible metal band sections, means adjustably connecting the sections at one end, one of said sections at its free end having its end curled to provide a transversely extending hinge barrel and having a channel of a depth equal to the thickness of the band sections opening at the free end of the section, and the companion section at its free end having a reduced tongue for fitting in said channel and at the inner end of the tongue and at each side thereof provided with hinge barrels aligning transversely of the section, a rectangular shaped link pivotally mounted at one end in the hinge barrel of said first band section, and a lever pivotally connected at one end between the spaced hinge barrels and having a rearwardly projecting tongue forming a pocket for receiving the free end portion of said link.

1,735,933. METHOD OF TESTING TELEGRAPH TRANSMISSION. HARRY NYQUIST, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 20, 1928. Serial No. 248,100. 3 Claims. (Cl. 178-69.)



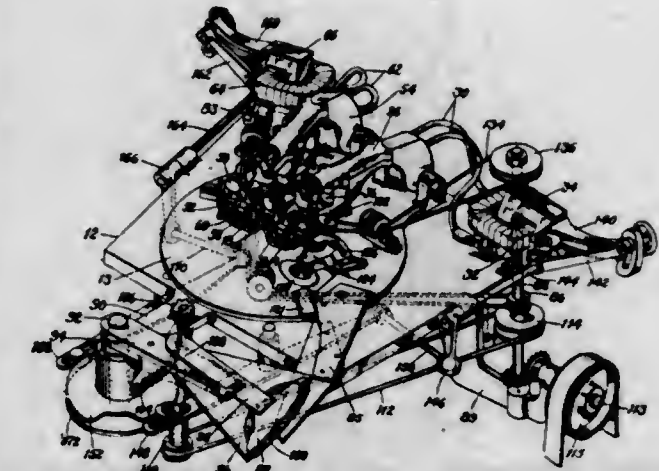
1. The method of testing transmission in a telegraph circuit interconnecting a transmitting and receiving station which comprises introducing distortion at the receiving station into the signals received thereat, measuring the distortion in such signals, and comparing this measurement and the amount of distortion introduced with the known maximum allowable distortion for such signals.

1,735,934. ADVERTISING DEVICE. JAMES E. O'BRIEN, Brooklyn, and THOMAS F. O'BRIEN, Richmond Hill, N. Y. Filed June 16, 1927. Serial No. 199,176. 1 Claim. (Cl. 40-53.)



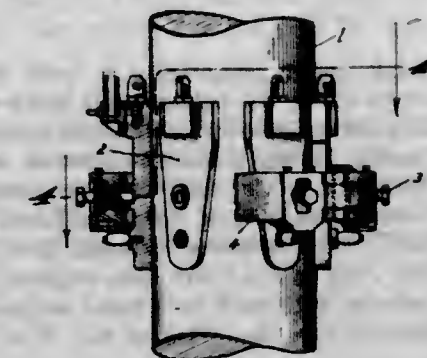
An advertising device comprising a casing, a scales platform, a weight indicating member within the casing connected to be moved by said platform, a pair of rotatably mounted shafts spaced apart in parallel relation also within the casing, a pair of endless belts extending about said shafts being spaced apart along the length of said shafts and disposed one at each side of the weight indicating member also within the casing, a motor connected to rotate one of said shafts to thereby cause travel of the belts about said shafts, the casing having an opening there-through through which portions of the belts and weights indicating member are visible, said belts being adapted to carry advertising material thereon visible through said opening, and means automatically operable by movement of the platform to operate said motor.

1,735,935. EDGE-FINISHING MACHINE. FRED RICKS and ALFRED EDWARD RICHARDS, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 9, 1928. Serial No. 245,499, and in Great Britain Feb. 12, 1927. 21 Claims. (Cl. 69-1.)



1. An edge finishing machine, having in combination shrinking means constructed and arranged to act upon the edge of the work at separate points to perform distinct shrinking operations thereon, and means for effecting relative feeding movement of the work and shrinking means.

1,735,936. PROCESS IN THE MANUFACTURE OF ELECTRODES. MATHIAS OVRUM SEM, Buffalo, N. Y., and CARL WILHELM SÖDERBERG, Oslo, Norway, assignors to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Filed Aug. 31, 1927. Serial No. 216,726, and in Norway Sept. 4, 1926. 11 Claims. (Cl. 266-1.5.)

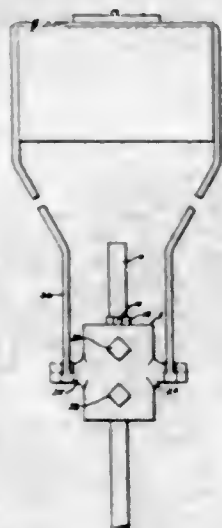


1. In the process of baking self-baking electrodes, the step of arresting the baking of the electrode material in the zone of the electrode holder at a point above the lower end of the holder and adjacent the upper end of the holder.

1,735,937. ROD GRIP. WILLIAM D. SHAFFER, Brea, Calif. Filed June 10, 1924. Serial No. 719,224. 1 Claim. (Cl. 24-263.)

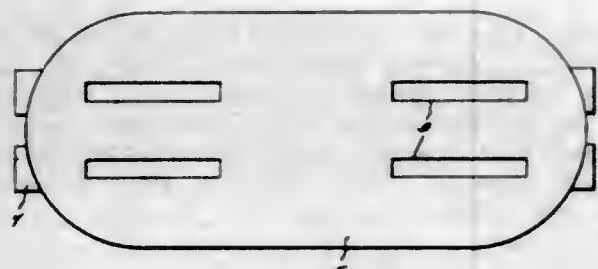
In a rod grip, a body member having a cylindrical recess extending downwardly from its upper end, the bottom wall of said recess being provided with a circular bore there-through, the wall of said recess having a longitudinal groove formed therein and opening into the circular bore formed in the bottom wall of the body member, the side edges of said groove forming rod engaging edges, a slip member provided with a longitudinal groove segmental in cross section, said slip member being normally supported by the bottom wall of the recess, the edges of said longitudinal groove forming rod engaging edges, the circular

bore in the bottom wall of the recess being greater in diameter than the rod to be gripped and a pair of screws



extending transversely through the cylindrical member and engaging the slip member to force the same into gripped relation with the rod.

1,735,938. WASH BOILER. HARRY V. SISCO, Burchard, Nebr. Filed Sept. 7, 1928. Serial No. 304,451. 1 Claim. (Cl. 68—30.)



A domestic wash boiler comprising a body including side, end and bottom walls, the bottom wall being provided with longitudinally extending slots therein in spaced alignment, the end walls having openings therein with the bottom of the openings in the end walls in longitudinal alignment with said slots, and a cylindrical hot air flue having its opposite ends extended through the openings and provided with slots in its lower side registering with the slots in the bottom wall, said flues being secured to the sides of the openings and the sides of the slots in said bottom wall.

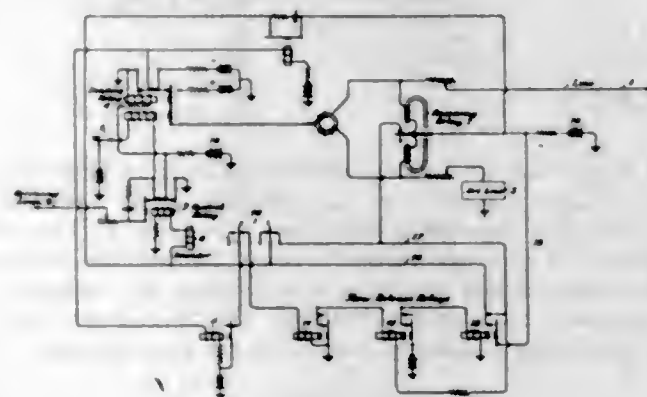
1,735,939. DRIVE RING. EVERETT ST. JOHN, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 5, 1924. Serial No. 754,169. 1 Claim. (Cl. 248—26.)



A drive ring comprising a shank portion, a loop portion bent back upon the shank portion, and an angular shoulder extending from the loop portion at right angles to the shank portion and lying in a plane beneath the top of the

loop portion to avoid interference of the application of a hammer to the loop portion in the driving operation of the ring, the end of said shoulder extending downwardly parallel to the shank portion and so cooperating with the supporting surface into which the shank may be driven to permit the insertion of wires into the enclosure formed by said surface and the shank and angular portions of the ring, and said shank and angular portions serving to retain the wires within such enclosure.

1,735,940. TELEGRAPH SYSTEM. GILBERT S. VERNAM, River Edge, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 3, 1927. Serial No. 237,521. Renewed June 6, 1928. 5 Claims. (Cl. 178—2.)

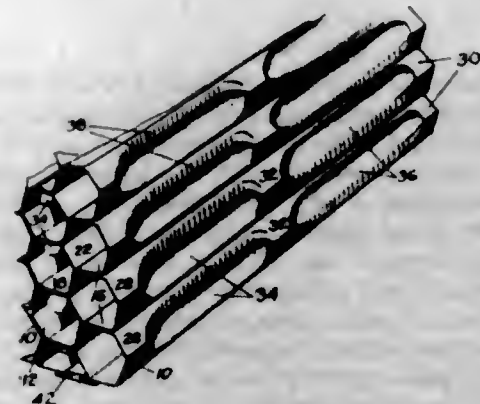


1. In a telegraph system a repeater set comprising a receiving relay, an incoming line controlling said relay, a loop circuit, a control relay for opening said loop circuit, a control circuit for said control relay, said control circuit being normally completed over the contacts of said receiving relay, and slow releasing means controlled by the transmission of signals over said loop circuit for completing said control circuit around said receiving relay contacts.

1,735,941. ANTHRACENE DYE AND PROCESS OF MAKING SAME. WILLIAM R. WALDMAN, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 25, 1927. Serial No. 228,695. 14 Claims. (Cl. 260—61.)

1. The process which comprises the step of treating with bromine the condensation product of 2:2'-dimethyl-1:1'-dianthraquinonyl while said product is suspended in water.

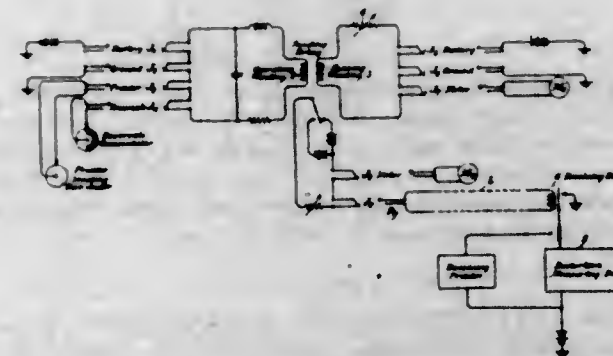
1,735,942. RADIATOR. NORMAN WALKER, Lockport, N. Y., assignor to Harrison Radiator Corporation, Lockport, N. Y., a Corporation of New York. Filed Oct. 10, 1925. Serial No. 61,830. 9 Claims. (Cl. 257—130.)



5. A radiator construction comprising spaced pairs of corrugated plates united at their front and rear edges,

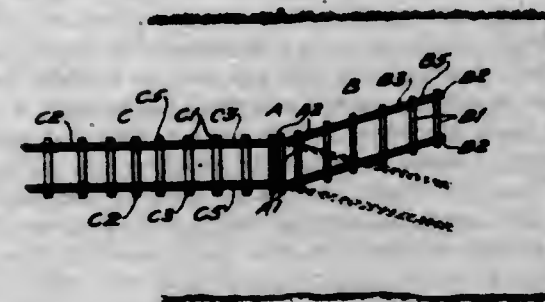
the plates of each pair being separated from one another between said edges to form vertical water passages, the spaces between adjacent pairs of plates forming horizontal air passages extending transversely of the water passages, and the corrugations of the front portions of the plates being out of horizontal alignment with the corrugations of the rear portions of the plates to equalize the cooling efficiency of the front and rear of the radiator; substantially as described.

1,735,943. METHOD OF AND MEANS FOR TESTING TELEGRAPH TRANSMISSION. EDWARD FISK WATSON, Larchmont, and BURDETTE STEVENS SWEEZY, Floral Park, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 20, 1928. Serial No. 248,117. 6 Claims. (Cl. 178—69.)



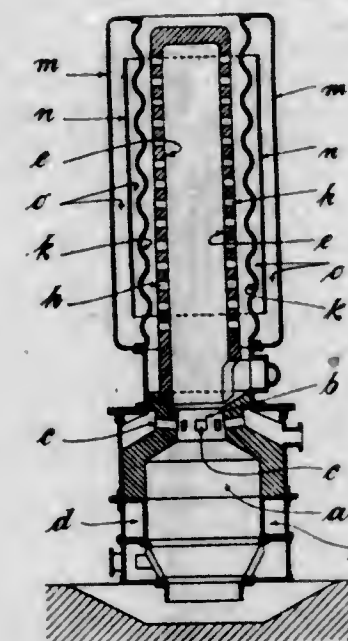
1. The method of testing transmission in a telegraph circuit interconnecting a transmitting and a receiving station which comprises introducing distortion at the sending station into the signals transmitted over said line, measuring the percentage of distortion in such signals at the receiving station, and comparing this measurement and the amount of distortion introduced with the known maximum percentage of allowable distortion for such signals.

1,735,944. RAILWAY TRACK. WILLIAM WHALEY, Knoxville, Tenn., assignor to Myers-Whealey Company, Knoxville, Tenn., a Corporation of Tennessee. Filed Dec. 19, 1928. Serial No. 327,080. 9 Claims. (Cl. 288—12.)



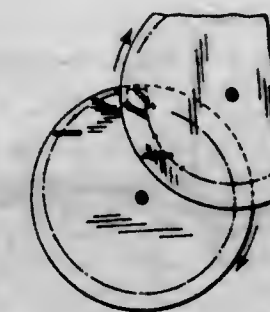
1. In a railway track, the combination of a forward track section comprising two parallel rails, cross ties pivoted to said rails, and means for hinging said rails to another track section, the rails of one section meeting the rails of the other section.

1,735,945. BOILER AND THE LIKE. THOMAS ROLAND WOLLASTON, Manchester, England. Filed July 16, 1928. Serial No. 293,281, and in Great Britain Aug. 5, 1927. 1 Claim. (Cl. 110—97.)



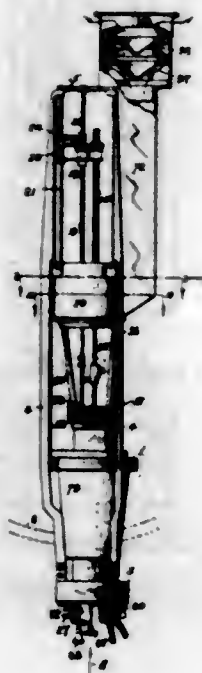
In combination with an industrial fluid container having a flue therein, a fuel gasifier having a gas outlet, said outlet having inlets thereto for preheated high-pressure air for promoting high flame temperature, a hollow perforated radiator of refractory substance located within said flue and having an open end communicating with said outlet, whereby heat from said radiator is employed to raise the temperature of the fluid in said container.

1,735,946. TELEVISION AND LIKE SYSTEM. JOHN LOGIE BAIRD, London, England, assignor to Television Limited, London, England, a British Company. Filed Oct. 7, 1927. Serial No. 224,710, and in Great Britain Oct. 15, 1926. 11 Claims. (Cl. 178—6.)



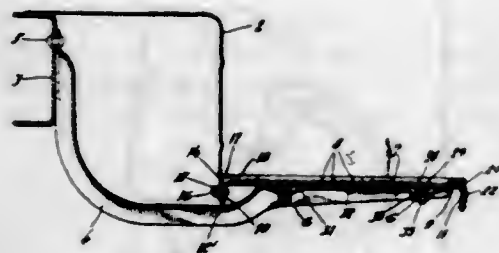
1. In television apparatus, the combination with a light sensitive device, of means for exploring an object by said device in such manner that successive traversals are made in directions which are at right angles.

1,735,947. HIGH AND MEDIUM INTENSITY SEARCH-LIGHT. PRESTON R. BASSETT, Brooklyn, N. Y., assignor, by means assignments, to Sperry Gyroscope Company, Inc., a Corporation of New York. Filed Nov. 20, 1918. Serial No. 263,275. 17 Claims. (Cl. 176-51.)



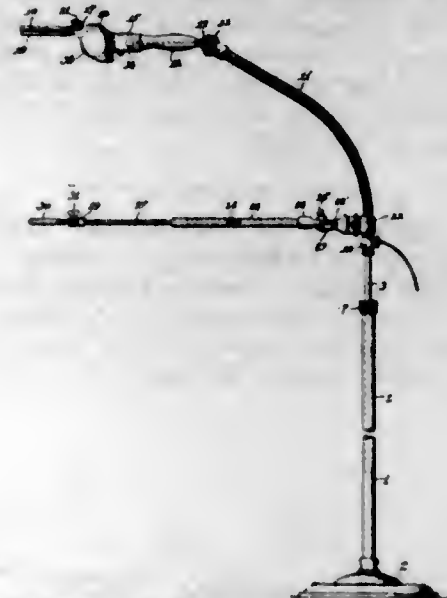
2. In a searchlight, a projector, holders for supporting electrodes for producing an arc, a light-proof container for the arc, said container being provided with an air intake and an exhaust, an electric conductor on the side of the arc positioned opposite said exhaust and connected to carry a current in a direction opposite to the direction of the flow across the arc and means for opening said container.

1,735,948. METAL RUNNING BOARD. JOSEPH BOCA, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 24, 1926. Serial No. 150,529. 9 Claims. (Cl. 280-163.)



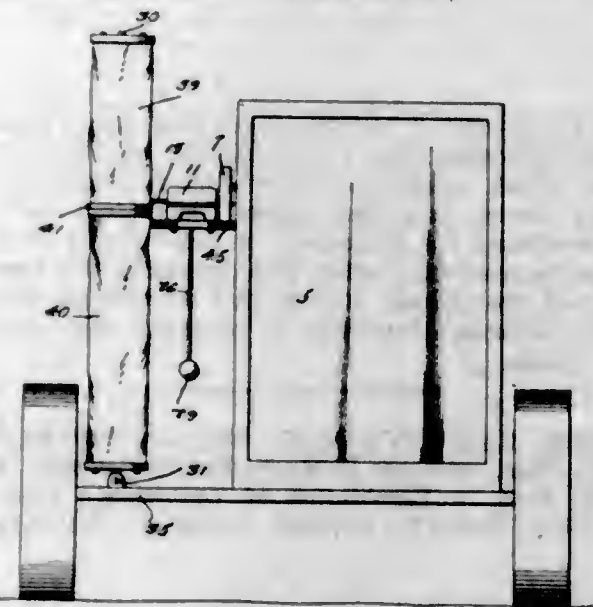
1. A running board, means to support the board, a plate mounted on said means, downturned flanges at the longitudinal edges of said plate one of said flanges being return bent and inwardly flanged at its edge, a mat mounted on the plate, and retaining strips for securing the mat to the plate.

1,735,949. MAGNIFYING AND ILLUMINATING DEVICE. CHARLES T. BRADY, Detroit, Mich. Filed May 31, 1927. Serial No. 195,569. 2 Claims. (Cl. 89-39.)



1. A magnifying and illuminating device comprising a support, a lamp socket having a universal connection therewith, a shield carried by said socket, a pair of lens holders pivoted to said shield, and another lens holder adjustably attached to said support and adapted for alignment with the first named holders.

1,735,950. ATTACHMENT FOR HARVESTERS. ERNEST BRASCH, Nezperce, Idaho. Filed Jan. 11, 1928. Serial No. 246,073. 2 Claims. (Cl. 56-208.)

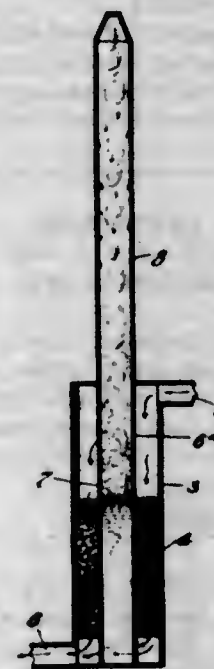


1. An attachment of the class described comprising, in combination, an arm of a separator, a shaft rotatable by the separator, a screw threaded bar for pivotally mounting the lower end of the bar on the frame of the separator, a nut member threaded on the bar, a gear formed on the bar, a gear in mesh with the first mentioned gear, a shaft extending from the second gear, clutch actuated gearing for rotating the shaft in either direction, pendulum means for controlling the clutch of the mechanism, gearing connected to the mechanism with the first mentioned shaft, said nut member having a collar and means on the arm engaging the collar so that the arm will be swung as the collar raises and lowers on the bar.

1,735,951. PROCESS OF CARRYING ON CATALYTIC REACTIONS. FRANK A. CANON and CHESTER E. ANDREWS, Pittsburgh, Pa., assignors to The Selden Research & Engineering Corporation, Pittsburgh, Pa., a Corporation of Delaware. Filed June 12, 1922. Serial No. 567,740. 4 Claims. (Cl. 260-128.)

1. The process of carrying on catalytic reactions which consists in subjecting the material to be treated when in

the vapor phase to the presence of a catalyst and thereby generating heat, and withdrawing the excess of heat by



boiling thereby a composition that will boil close to the desired heat of the reaction and is composed of lead, tin and mercury.

1,735,952. WINDOW-FRAME CONSTRUCTION. SAMUEL CARMIN, Syracuse, N. Y. Filed Aug. 22, 1928. Serial No. 301,377. 1 Claim. (Cl. 20-12.)

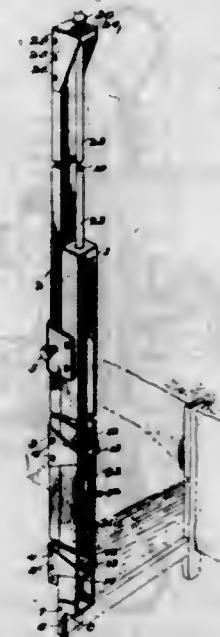


A frame for window sash, a window jamb having an opening therein of sufficient size to permit the adjacent portion of the sash to pass edgewise therethrough, a jamb section normally filling said opening and displaceable outwardly therefrom, a leaf spring having its upper end secured to a fixed portion of the jamb above said opening and its lower end spring pressed against the outer face of the movable jamb section and returned upwardly to form a loop open at the top and means on the movable jamb section slidably engaged in said loop to permit the jamb section to be removed by upward displacement from the loop.

1,735,953. METHOD OF MEASURING WEIR DISCHARGE AND RULES THEREFOR. INGARD M. CLAUSEN and RALPH A. PURCA, Phoenix, Ariz. Filed Jan. 18, 1928. Serial No. 247,700. 18 Claims. (Cl. 73-167.)

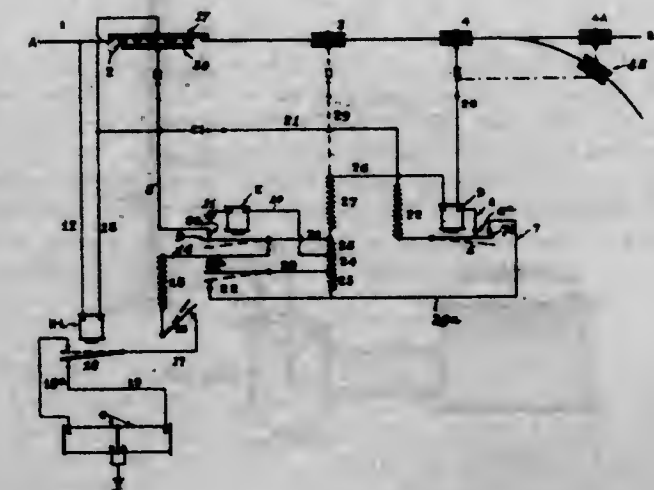
1. Apparatus for measuring quantities of water flowing over a weir comprising a channeled member adapted to

be positioned vertically on a weir crest to act as an obstruction to the water flow whereby a surge is created on its upstream face, said member including a vertically adjustable scale element the zero point of which may be positioned either at the crest of the weir or at a height above the crest of the weir equal to the static pressure head at the weir, and means slidable in the channel of said member to indicate the static pressure level, said vertically adjustable element bearing scales calibrated respectively to show the rates of water flow above and the rates below said zero point which rates correspond to the height of said surge when said scale element is positioned with its zero point above the weir crest a distance corresponding to the static head at the weir.



18. In a method of obtaining measured quantities of water, the steps of causing the water to flow over a weir, measuring the combined head on the weir and the head due to velocity of approach by interposing at the weir an obstruction presenting a vertical surface normal to the flowing water to produce a surge on the upstream face of the obstruction, and measuring the height of said surge above the crest of the weir to determine the rate of flow of the water over the weir which corresponds to the height of the surge above the crest of the weir.

1,735,954. RAILWAY SWITCHING DEVICE. PAUL H. CRAIG and GEORGE D. RABUN, Louisville, Ky., assignors to Cheatham Electric Switching Device Company, Louisville, Ky. Filed June 30, 1924. Serial No. 723,361. 11 Claims. (Cl. 246-227.)



2. In an electric switch operating system, the combination with the track solenoid, trolley conductor and trolley

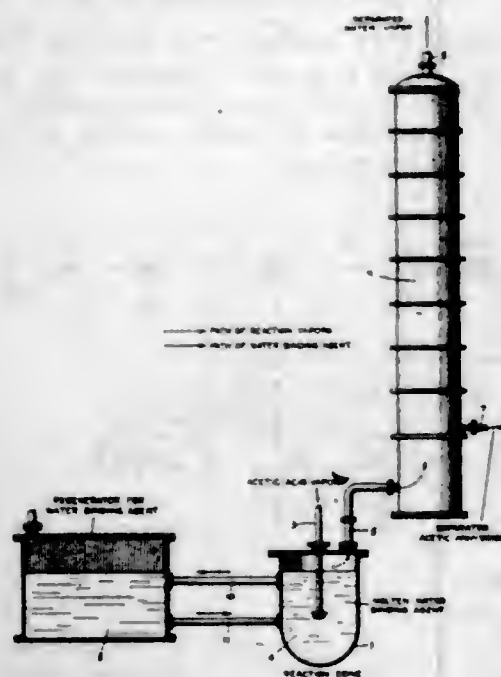
contactor, of a normally open circuit connecting the trolley conductor and track solenoid, a normally closed switch included in the said circuit, of means controlled by contact of a trolley with a trolley contactor to retain the said switch in its normal state during the engagement of the trolley and trolley contactor, and release it upon disengagement of the trolley and trolley contactor.

1,735,955. COLLAPSIBLE CORE. BARTHOLOMEW DE MATTEA, Garfield, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 22, 1923. Serial No. 670,186. 11 Claims. (Cl. 154—9.)



1. A collapsible core comprising a plurality of core sections, one of said sections being pivotally mounted to swing in and out of the plane of operative continuity, the pivotal point of such section being located upon one side of a diametrical line cutting the axis of the core, and the core section being upon the opposite side of said line.

1,735,956. MANUFACTURE OF ACETIC ANHYDRIDE. HENRY DREYFUS, London, England. Filed Apr. 3, 1926. Serial No. 99,660, and in Great Britain Apr. 9, 1925. 12 Claims. (Cl. 260—123.)



1. Process for the manufacture of acetic anhydride comprising passing acetic acid vapour in contact with at least one heated water binding agent.

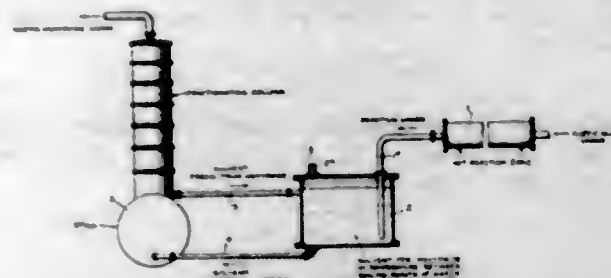
1,735,957. MANUFACTURE OF ACETIC ANHYDRIDE. HENRY DREYFUS, London, England. Filed Apr. 3, 1926. Serial No. 99,661, and in Great Britain Apr. 9, 1925. 7 Claims. (Cl. 260—123.)

1. Process for the manufacture of acetic anhydride, comprising decomposing acetic acid vapour by the action of heat and subjecting the reaction vapours to fractional condensation to separate the acetic anhydride.

1,735,958. ACETIC ANHYDRIDE. HENRY DREYFUS, London, England. Filed Apr. 3, 1926. Serial No. 99,662, and in Great Britain Apr. 9, 1925. 10 Claims. (Cl. 260—123.)

1. Process of manufacturing acetic anhydride which comprises passing acetic acid vapors substantially free of water, over heated catalysts which promote the formation of acetone; at a temperature insufficiently high to cause acetone formation, the catalysts employed being substantially free from water.

1,735,959. MANUFACTURE OF AN ALIPHATIC COMPOUND. HENRY DREYFUS, London, England. Filed Jan. 19, 1927. Serial No. 162,217, and in Great Britain June 1, 1926. 17 Claims. (Cl. 260—123.)



1. Process for the manufacture of fatty acid anhydrides, comprising decomposing vapours of fatty acids by the action of heat and condensing the anhydride from the reaction vapours at temperatures at which the water remains gaseous.

1,735,960. DYEING OF MATERIALS MADE OF OR CONTAINING CELLULOSE DERIVATIVES. HENRY DREYFUS, London, England. Filed Mar. 12, 1927. Serial No. 175,012, and in Great Britain Dec. 14, 1926. 12 Claims. (Cl. 8—5.)

1. Process for dyeing material comprising an organic substitution derivative of cellulose, comprising dyeing the material with a coloring compound which comprises at least one urethane residue.

1,735,961. DYEING OF MATERIALS MADE OF OR CONTAINING CELLULOSE DERIVATIVES. HENRY DREYFUS, London, England. Filed Mar. 12, 1927. Serial No. 175,013, and in Great Britain Dec. 14, 1926. 10 Claims. (Cl. 8—5.)

1. Process for dyeing material comprising an organic substitution derivative of cellulose, comprising dyeing the material with an azo coloring compound which comprises at least one amino group substituted by an aliphatic grouping comprising not less than two hydroxy groups.

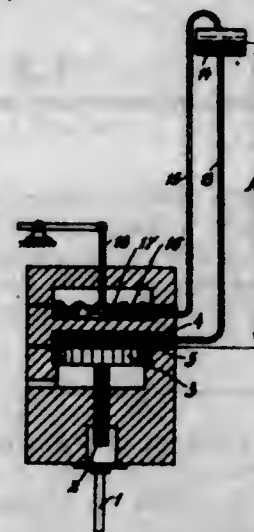
1,735,962. MANUFACTURE OF AN ALIPHATIC COMPOUND. HENRY DREYFUS, London, England. Filed May 2, 1927. Serial No. 188,408, and in Great Britain May 26, 1926. 12 Claims. (Cl. 260—123.)

1. Process for the manufacture of acetic anhydride which comprises thermally decomposing acetic acid vapour in presence of at least one phosphoric acid.

1,735,963. DYEING OF MATERIALS MADE OF OR CONTAINING CELLULOSE DERIVATIVES. HENRY DREYFUS, London, England. Original application filed Mar. 12, 1927. Serial No. 175,012, and in Great Britain Dec. 14, 1926. Divided and this application filed Jan. 30, 1928. Serial No. 250,730. 14 Claims. (Cl. 8—5.)

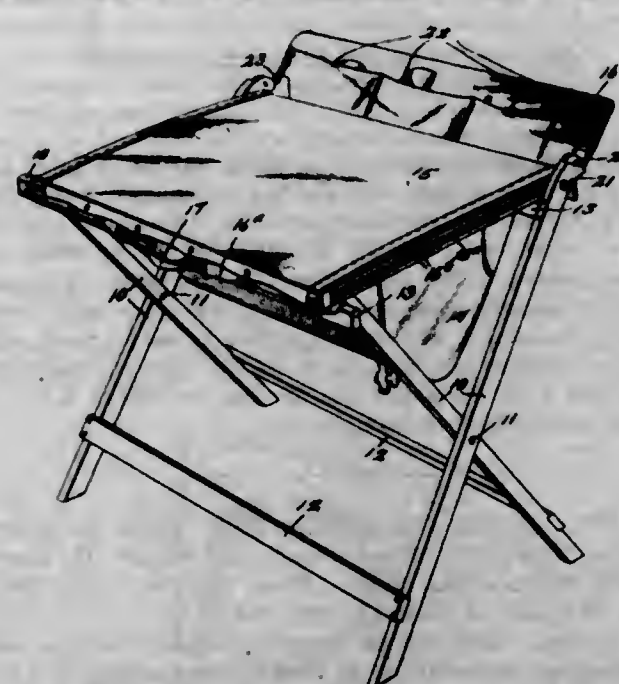
1. Process for dyeing material comprising an organic substitution derivative of cellulose, comprising dyeing the material with a coloring compound which comprises at least one thiourethane residue.

1,735,964. DEVICE FOR TRANSMITTING PRESSURE IMPULSES. MARTIN EULE, Berlin-Spandau, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany, a Corporation of Germany. Filed Apr. 21, 1927. Serial No. 185,636, and in Germany Apr. 30, 1926. 5 Claims. (Cl. 60—54.5.)



1. In a device for transmitting pressure impulses, having a liquid column for balancing the pressure of the medium to be regulated up to a minute value, a specifically lighter transmitting liquid resting upon the balancing liquid for transmitting the volume fluctuations of the balancing column developed during the pressure impulse variations and a control gear actuated by the movement of said transmitting liquid.

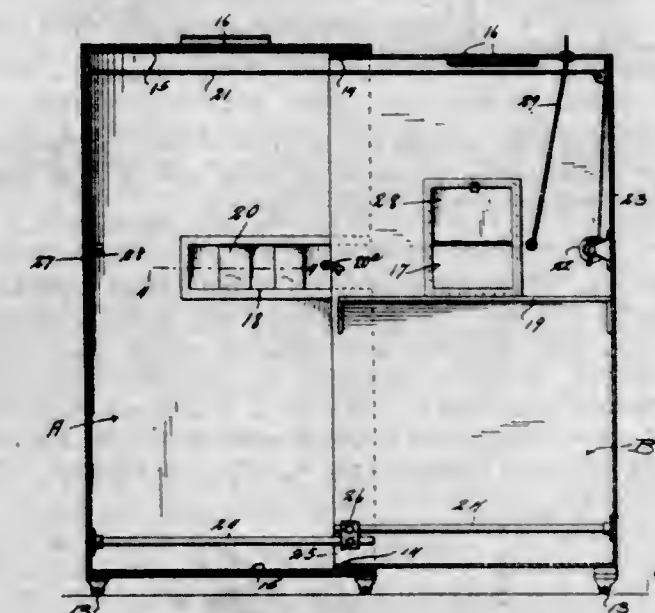
1,735,965. INFANT'S COLLAPSIBLE BATHTUB. ABRAHAM G. FELDMAN, Chicago, Ill. Filed Sept. 24, 1928. Serial No. 308,066. 2 Claims. (Cl. 4—177.)



1. A stand for collapsible bath tubs, comprising spaced units of crossed legs, extensions of corresponding legs of

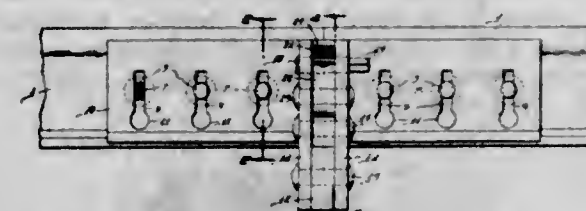
the units, an accessory rack pivotally carried by the extensions, and the latter having shoulders adapted to engage a portion of said rack adjacent the pivot axis to support the same in upwardly inclined position while in use.

1,735,966. ADJUSTABLE STEEL VAULT. ROLAND S. GARVER, Portis, Kans. Filed June 21, 1928. Serial No. 287,216. 3 Claims. (Cl. 100—1.)



1. A vault for business houses and banks formed of two telescopic metallic sections having means for entrance and exit, and means whereby said sections may be adjusted into each other and held in their adjusted positions, the inner section being formed with a window and the outer section having a longitudinally extending opening aligning with the window whereby the window will be exposed in any adjusted positions of the two sections.

1,735,967. RAIL-JOINT LOCK. STEVE HALAPIN, Detroit, Mich. Filed Apr. 22, 1929. Serial No. 356,900. 3 Claims. (Cl. 238—252.)

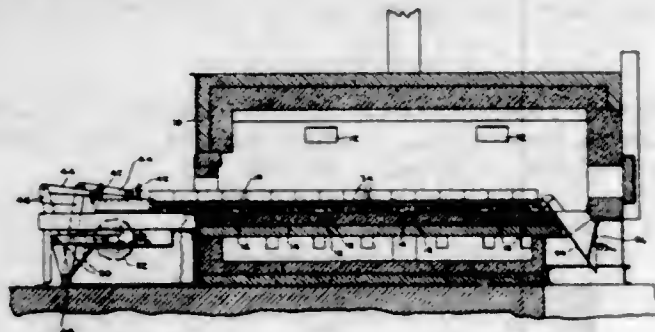


1. The combination with the abutting ends of rails and fish plates adapted to be secured alongside thereof, of a plurality of bolts passed through said rail ends and said fish plates, a wedge member adapted to engage said bolts whereby movement of said wedge member tightens all of said bolts, and an eccentric member in engagement with said wedge member whereby rotation of said eccentric moves said wedge member to tighten said bolts.

1,735,968. ROLLER HEARTH FURNACE. RICHARD M. HORTVET, Minneapolis, Minn., assignor to Mahr Manufacturing Company, Minneapolis, Minn., a Corporation. Filed Sept. 28, 1928. Serial No. 309,032. 3 Claims. (Cl. 263—6.)

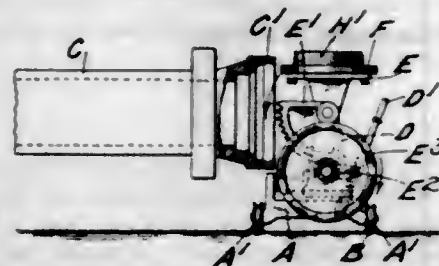
1. A roller hearth furnace comprising an enclosing structure, a plurality of shafts in the bottom thereof, a pair of large outer rollers and a pair of small inner

rollers mounted on alternate ones of said shafts, and a pair of intermediate sized rollers mounted on each of the



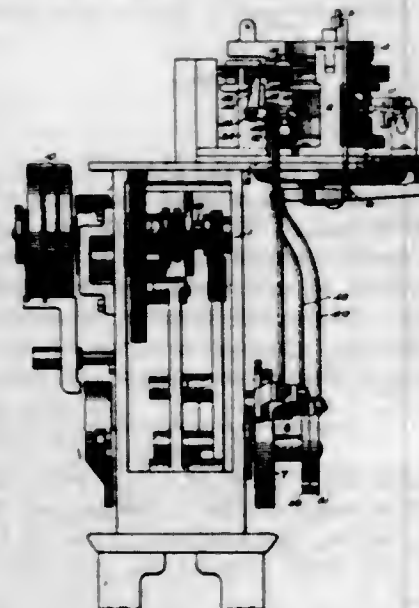
intervening ones of said shafts, each of said intermediate sized rollers being arranged between one of said large rollers and one of said small rollers.

1,735,969. CENTRIFUGAL MACHINE FOR CASTING METAL PIPES AND THE LIKE. JAMES EDGAR HURST, Thorncliffe, England, and EDMUND BRUCE BALL, Kilmarnock, Scotland, assignors to Centrifugal Castings Limited, Kilmarnock, Scotland, a Registered Company of Great Britain. Filed Dec. 3, 1928, Serial No. 323,464, and in Great Britain Jan. 4, 1928. 5 Claims. (Cl. 22-1.)



1. In apparatus for introducing a core carrier and an associated core into a mould, the combination with a support, of a table adapted to retain a core carrier and core thereon, said table being mounted on said support for rotation from a substantially horizontal position to a position facing the mould, and means for shifting said table bodily with relation to said support to insert the core carrier and core in the mould.

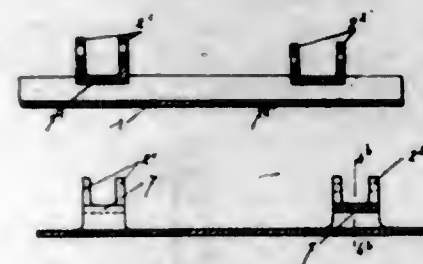
1,735,970. REVERSE PLATING MECHANISM. ROBERT H. LAWSON, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed May 26, 1926, Serial No. 111,770. 6 Claims. (Cl. 66-108.)



1. An instrumentality for use in effecting lengthwise striping in plated, knitted work adapted to be positioned

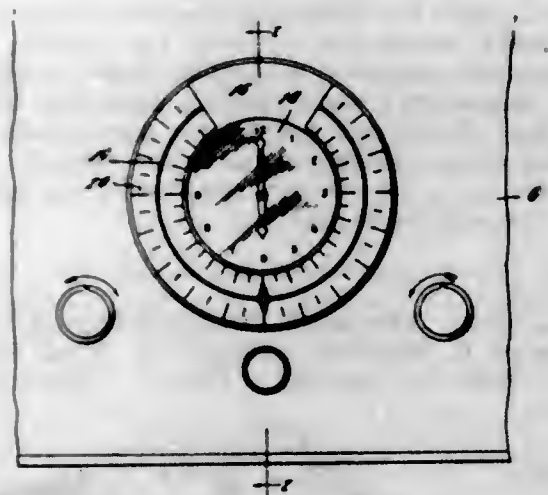
between adjacent needles and adapted for in and out movement with respect to said needles and having a head provided with an edge positioned to engage the back yarn of the two plating yarns and upon inward movement to move said back yarn into position to become the face yarn of the stripe, said edge extending upwardly from a relatively sharp nose at a backward slope along a straight line.

1,735,971. CAST FRAME FOR RAILWAY ROLLING STOCK. NESTOR LEONARD, Felgmes, France. Filed Aug. 16, 1928, Serial No. 299,894, and in France Nov. 21, 1927. 5 Claims. (Cl. 105-415.)



1. A casting of large dimensions in which lugs are produced by casting with a longitudinal auxiliary partition of small dimensions joining flanges of the casting of large dimensions, the shrinkage of the metal of such longitudinal auxiliary partition being negligible and in consequence producing no cracks or rents.

1,735,972. RADIO RECEIVER CONTROL MECHANISM. ROBERT MARTINI, Chicago, Ill. Filed Apr. 18, 1929, Serial No. 356,082. 4 Claims. (Cl. 116-133.)

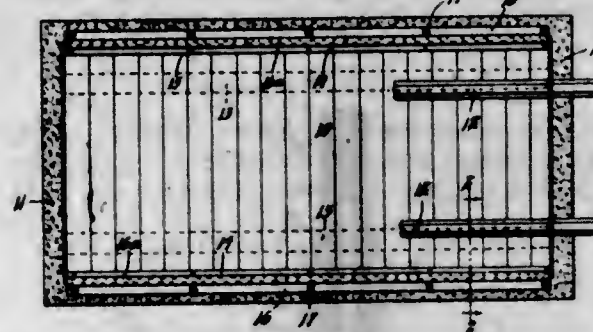


1. In a radio receiving set, a casing bottom, a panel having an opening, a face, and having an annular flange projecting therefrom circumjacent the face and provided with a collar telescopically mounted in the opening, said flange forming a dial and being provided with an arcuate slot circumjacent and concentric to the face and having indicia thereon, a pointer on a shank, said shank being slidable through the slot, and control means operatively connected with the shank for moving the shank when the control mechanism is manipulated.

1,735,973. SCALE CONSTRUCTION. LUKE W. NORTHFIELD, WESLEY A. NORTHFIELD, and GLENN H. NORTHFIELD, Minneapolis, Minn. Filed Dec. 19, 1927, Serial No. 241,245. 5 Claims. (Cl. 265-71.)

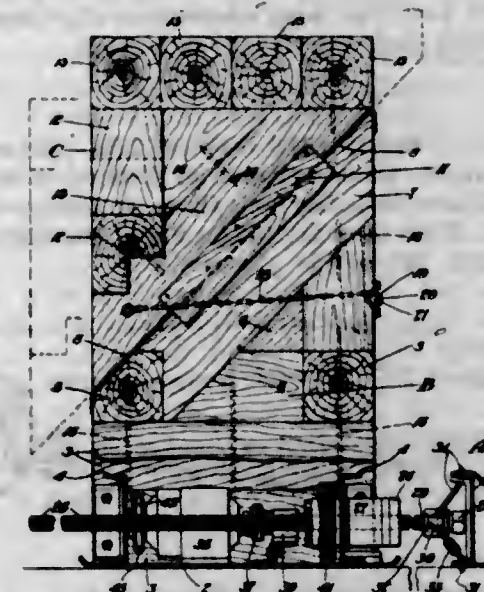
1. A scale construction having in combination, parts constituting respectively a frame surrounding a pit, a movable platform at the top of said pit adapted to support the load being weighed having an edge spaced from said frame forming a crack, means upstanding from the

edge of one of said parts, and means projecting from the edge of the other of said parts for overhanging said first mentioned means, and spaced above the same whereby



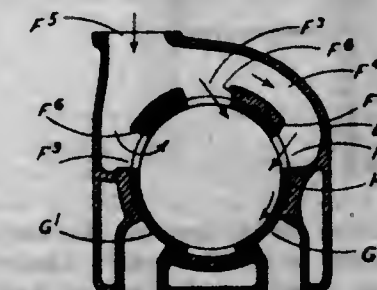
movement of the platform is permitted and material is prevented from entering the space between the platform and frame.

1,735,974. ROOF SUPPORT. EDWARD O'TOOLE, Gary, W. Va. Filed Aug. 28, 1927, Serial No. 215,591. 4 Claims. (Cl. 254-100.)



1. A crib support for mine roofs comprising a two-part body, each of said parts being built up from a plurality of timbers arranged with their longitudinal axes at right angles, one of said parts being arranged above and supported on the other part, said parts having their contacting faces inclined to the horizontal, a shaft journaled in bearings on one of said roof support parts, at least two chains secured to the other of said roof support parts and to said shaft, said shaft being adapted to be rotated to take up and let out said chains whereby the roof support part to which said chains are secured will be moved transversely in the direction of said inclined faces and forced also vertically, due to said inclined faces.

1,735,975. SLEEVE VALVE INTERNAL-COMBUSTION ENGINE. HARRY RALPH RICARDO, London, England. Filed Aug. 6, 1928, Serial No. 297,787, and in Great Britain Aug. 26, 1927. 4 Claims. (Cl. 123-81.)



1. A four-cycle internal combustion engine including in combination a cylinder having inlet and exhaust open-

ings in its wall, a sleeve valve disposed within the cylinder and having ports therein adapted to register with the inlet and outlet openings respectively during the inlet and exhaust periods, means for imparting to the sleeve a combined oscillating and reciprocating motion such that the inlet ports commence to register with the inlet openings when the motion of the sleeve is mainly oscillatory, and means for leading the charge through the inlet openings in such a direction as to counteract at least partially the rotation of the charge about the cylinder axis which tends to be produced during the initial opening period of the inlet ports.

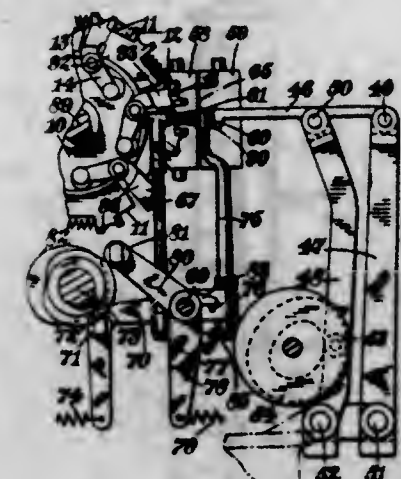
1,735,976. PROCESS FOR THE PRODUCTION OF STARCH FROM SWEET POTATOES. OTTO RIEMANN, Wellingsbittel, near Hamburg, Germany. Filed Aug. 24, 1928, Serial No. 301,854. 3 Claims. (Cl. 127-66.)

1. Process for the production of starch from sweet potatoes consisting in washing and disintegrating the sweet potatoes, in separating by pressure the sugar-containing juices from the reduced sweet potatoes, in washing the pressed out mass so as to separate therefrom the starch in a liquid state and in treating the liquid starch for the production of dry starch by sedimentation.

1,735,977. TREATMENT OF HIDES. OTTO RÖHM, Darmstadt, Germany. Filed Feb. 5, 1925, Serial No. 7,145, and in Germany Apr. 1, 1924. 10 Claims. (Cl. 149-2.)

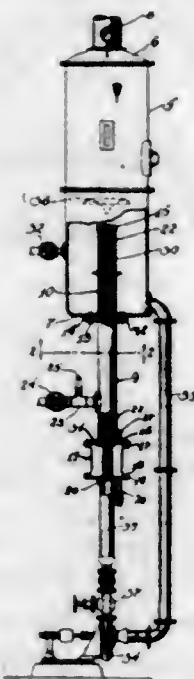
10. The method of treating hides preparatory to tanning, comprising treating the hides first with a salt of an alkali forming metal and an acid, neutralizing said acid, rinsing and then treating with ammonia and another alkaline compound, and causing pancreas enzyme to act on the hide.

1,735,978. MACHINE FOR WRAPPING CARAMELS AND THE LIKE. ALFRED GERMAN ROSE, Gainsborough, England, assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British Company. Filed Apr. 5, 1928, Serial No. 287,763, and in Great Britain Apr. 19, 1927. 9 Claims. (Cl. 93-7.)



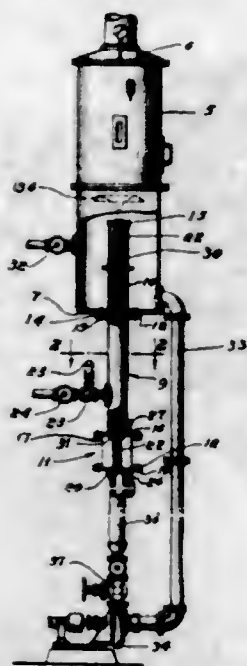
1. In a caramel wrapping machine of the type described, the combination of an intermittently rotatable carrier wheel provided with peripheral receiving pockets, a reciprocating pusher for feeding caramels one at a time into successive pockets of the wheel, means for locating a wrapper between the carrier wheel and the pusher, and two pairs of wrapper-gripping elements located one pair on each side of the plane of wrapper feed with one element of each pair on one side of the carrier wheel and the other element of that pair on the opposite side thereof, both pairs of gripping elements being separate from the pusher but operable in timed relationship therewith.

1,735,979. EVAPORATOR. PHILIP B. SADTLER, Chicago, Ill., assignor to Swenson Evaporator Company, Harvey, Ill., a Corporation of Illinois. Filed July 9, 1926. Serial No. 121,452. 8 Claims. (Cl. 257-224.)



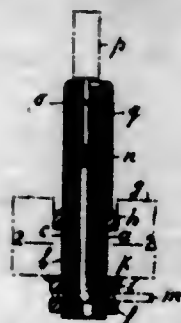
1. An evaporator comprising an evaporator body; and a heating element projecting into the body, said heating element comprising a series of tubes through which the liquid to be treated may pass into the body, a steam drum surrounding the tubes, and a steam deflector interposed between the tubes and the drum to direct the steam downwardly along the outside of the tubes.

1,735,980. PROCESS OF EVAPORATION. PHILIP B. SADTLER, Chicago, Ill., assignor to Swenson Evaporator Company, Harvey, Ill., a Corporation of Illinois. Original application filed July 9, 1926, Serial No. 121,452. Divided and this application filed Aug. 6, 1927. Serial No. 211,014. 7 Claims. (Cl. 159-47.)



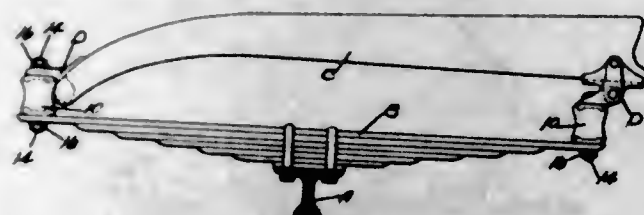
2. The process of concentrating a liquid by evaporation which includes, forcing the liquid at high entrance velocity into an unobstructed relatively straight long and narrow high velocity zone, applying to the liquid in said high velocity zone heat in amount sufficient to boil the liquid and thereby augment its velocity, and permitting unobstructed discharge from said high velocity zone directly into the vapor space of a collecting chamber of the liquid and its vapor caused by boiling.

1,735,981. PLUG-IN COUPLING FOR ELECTRIC CONDUCTORS. KARL SCHNELL, Ulm-on-the-Danau, Germany. Filed July 6, 1928, Serial No. 290,730, and in Germany Oct. 6, 1927. 2 Claims. (Cl. 173-363.)



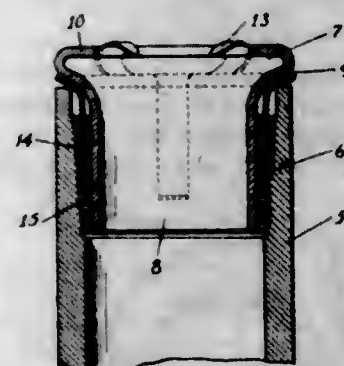
1. A plug-in coupling for electric conductors having a socket and cooperating pin, the latter to be partly inserted into the other, the part of the pin adapted for being carried by said socket and the hole in said socket each being curvilinear, its cross section being confined by a spiral and a line joining the ends of the spiral, said part of the pin having a smaller cross section than the inner section of said socket and thus being adapted for tightening both parts by turning their spirals into each other.

1,735,982. RESILIENT CONNECTER. CHARLES R. SHORT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 11, 1924. Serial No. 755,216. 6 Claims. (Cl. 267-30.)



1. A resilient connector comprising an elastic compression and extension resisting member of vulcanizable material, and an attaching member connected with an anchor device embedded in and vulcanized to the said elastic member, the anchor device including a metallic plate having an embossed portion, the outer surface of which is flush with the end of the elastic member.

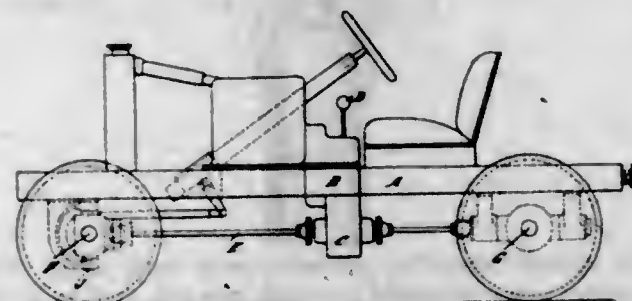
1,735,983. THREAD PROTECTOR. PETER J. SHAM, Monaca, Pa., assignor to Colona Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 3, 1927. Serial No. 165,609. 2 Claims. (Cl. 187-91.)



1. A thread protector for the internal threads of a pipe having in combination a guard member adapted to be positioned within the open end of a pipe, a flaring outer end on said guard member shaped so as to form an annular flange cooperating with the end of the associated pipe for centering said member therein, a separable holding

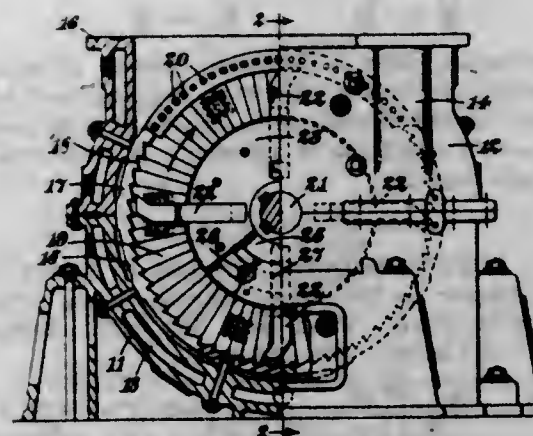
member of resilient material including an annular ring located between said member and the associated pipe, inwardly projecting legs formed on said ring for engaging the threads of the associated pipe and upwardly extending fingers on said ring embracing said flange for holding said member in position.

1,735,984. MOTOR VEHICLE. NICHOLAS STRAUSSLER, London, England. Filed Apr. 6, 1929, Serial No. 353,205, and in Great Britain Nov. 14, 1927. 1 Claim. (Cl. 180-44.)



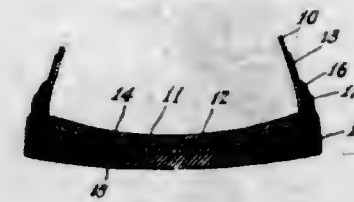
In a motor vehicle, a transmission, an auxiliary shaft in alignment with said transmission and driven therefrom, a gear box enclosing said auxiliary shaft, a longitudinal shaft comprising a central counter-shaft and oppositely extending drive shaft sections, said counter-shaft extending through the gear box in parallel relation to said auxiliary shaft, change speed gears rotatable on said auxiliary shaft, clutch means splined on said auxiliary shaft to alternately engage the gears therewith, gears splined on said counter-shaft meshing with said change speed gears, front and rear drive axles, said front axle pivoted to swing about a vertical axis, said rear axle pivoted to swing about a horizontal axis, the pivotal centers of said axles cutting the centers of the axles about which the wheels rotate, said longitudinal shaft sections drivably engaging said axles in the planes of their axes.

1,735,985. PULVERIZER. HORACE WARING, Liverpool, England, assignor to Associated Lead Manufacturers Limited, London, England, a British Company. Filed Sept. 6, 1927, Serial No. 217,842, and in Great Britain Sept. 13, 1926. 5 Claims. (Cl. 83-11.)



1. In a high-speed disintegrator the combination of a casing the peripheral portion of which constitutes a pulverizing zone, an inlet thereto, an outlet therefrom, internal impact members within the casing in the pulverizing zone, a shaft which enters the casing, concentrically mounted clamping plates along the shaft and beater arms arranged in staggered relationship to one another around the shaft in balanced groups each of which groups occupies its own plane of rotation and is held rigidly therein between the faces of the clamping plates.

1,735,986. RUBBER-SOLED SHOE AND METHOD OF MAKING THE SAME. FREDERICK WRAY, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1927. Serial No. 235,865. 4 Claims. (Cl. 36-14.)

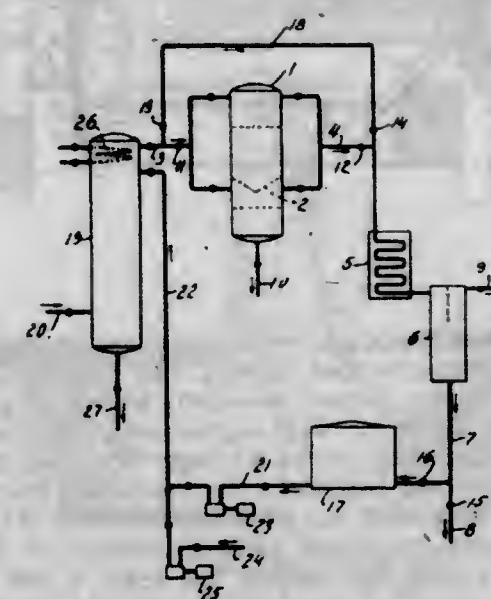


1. The method of making a shoe which comprises providing a shoe structure for the reception of outer-sole and foxing elements, forming a combination foxing and outer sole-margin strip having integral portions adapted to be fitted respectively against the foxing area and the margin of the lower face of the sole portion of the said structure, applying the said strip to the said structure, and thereafter applying a central outer-sole member to said structure.

1,735,987. CRYSTALLIZATION PROCESS. ARTHUR W. ALLEN, Berkeley, Calif. Filed Sept. 12, 1927. Serial No. 219,185. 5 Claims. (Cl. 23-41.)

1. In a process for the crystallization of a substance from a heated liquor, the step of submerging such liquor under another liquid of lower temperature and lower specific gravity.

1,735,988. ART OF REFINING HYDROCARBONS. FRANK A. APGAR, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a Corporation of Maine. Filed Mar. 10, 1928. Serial No. 260,799. 2 Claims. (Cl. 196-96.)



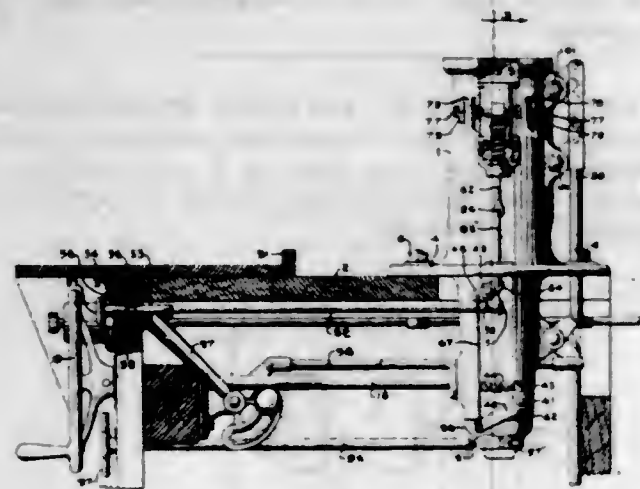
1. In the vapor phase refining of hydrocarbons by passage of the hydrocarbon vapors through a charge of an adsorptive catalyst, the improvement which comprises interrupting the refining operation from time to time to supply fresh catalyst thereto and, during the period of interruption, condensing and separately connecting untreated hydrocarbons normally passed through the catalyst, and passing such separately collected hydrocarbons as vapors through the catalyst in addition to the vapors normally passed therethrough upon resuming the refining operation after the period of interruption and during the period of high initial activity of fresh catalyst supplied to the operation.

1,735,989. HAIR WAVER. JACOB A. BARRAKET, Brooklyn, N. Y. Filed Sept. 8, 1928. Serial No. 304,732. 10 Claims. (Cl. 132—38.)



1. A hair waver of the character described comprising a transversely curved matrix plate providing a hair shaping surface and a forked member pivotally connected thereto, said plate being formed with at least one longitudinal slot, at least one of the prongs of said forked member having a portion receivable in said slot.

1,735,990. PORTABLE SAW STANDARD. LEWIS L. BERNAP, Oakland, Calif. Filed Jan. 3, 1927. Serial No. 158,524. 9 Claims. (Cl. 143—6.)

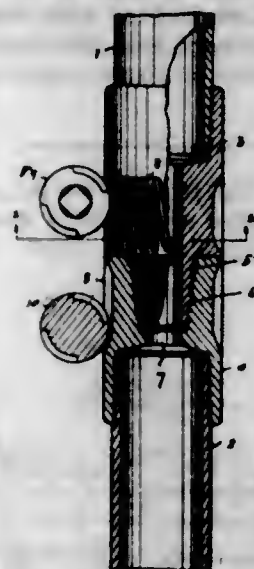


9. A standard for a universal tool of the character described, comprising a mast housing, two concentric shafts revolvable therein, a mast threadedly supported relative to one of the shafts and fixed against rotary motion relative to the other shaft, means for imparting rotary motion to the former shaft and means for connecting the second shaft to the first shaft for revolving the mast, the latter means comprising a clutch element, slidable on one of the shafts, a yoke for shifting the same, a bell crank lever on the outside of the housing operating the yoke, a second bell crank lever above the first lever, a rod connecting one arm of one of the said levers with one arm of the other lever, a horizontal rod extending forwardly from the other arm of the second lever so as to allow the yoke to be operated by a forward pull on the latter rod, and means for locking the said rod in a forward position.

1,735,991. TOOL JOINT. CLARENCE D. BENNETT, Meritena, Tex. Filed Apr. 1, 1926. Serial No. 90,125. 2 Claims. (Cl. 29—88.2.)

1. In a tool joint comprising two joint members one having an externally threaded pin and the other having an internally threaded box adapted to receive said pin,

both of said members having external gear teeth; a turning apparatus embodying driving gears in mesh with the



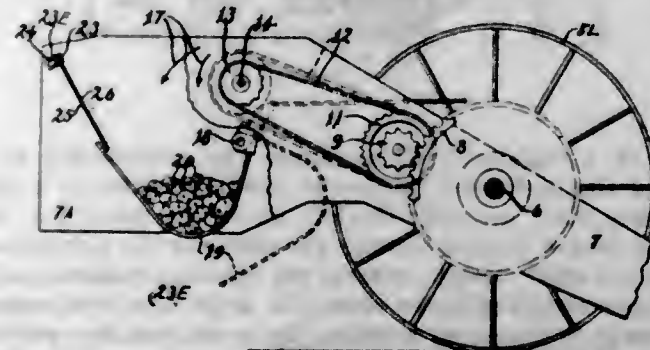
teeth of said respective members said teeth being formed to permit said members to move toward and from each other while remaining in mesh with said driving gears.

1,735,992. LADDER. PETER J. BOBS, St. Louis, Mo. Filed Jan. 26, 1928. Serial No. 249,511. 1 Claim. (Cl. 228—23.)



In combination with a platform, ladders pivotally secured thereto, means for selectively holding said ladders in selective spaced relationship, auxiliary legs pivotally secured to said platform, a telescopic rod securing said auxiliary legs together.

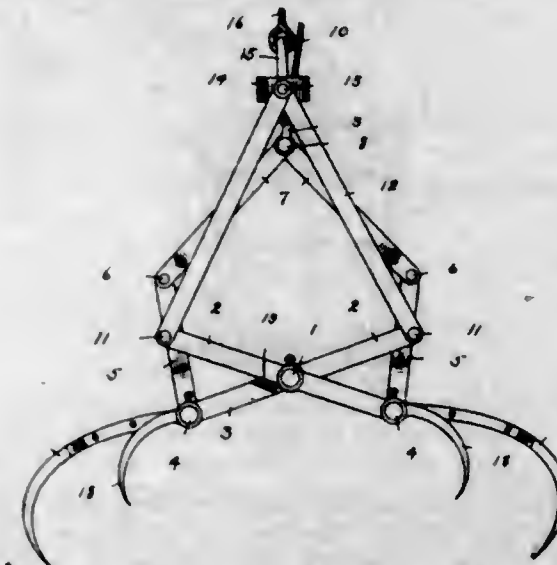
1,735,993. POTATO DIGGER. GEORGE W. BRUCE, Osseo, Minn., assignor to The Bruce Manufacturing Company, Minneapolis, Minn. Filed Aug. 19, 1927. Serial No. 214,105. 4 Claims. (Cl. 209—281.)



1. In a potato harvester having an elongated wheel supported conveyor frame, a potato conveyor comprising

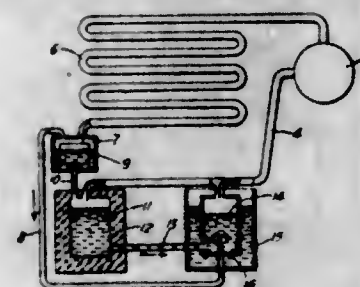
an endless belt in said frame and movable longitudinally therein, the rear part of said frame comprising two vertical and parallel walls and a conveyor drive shaft mounted in said frame; a potato hopper pivotally mounted below the rear end of said conveyor and means for tilting said hopper forwardly on its pivot to discharge potatoes downwardly and rearwardly; a forwardly and downwardly inclined guide fixed between the said walls rearward of and above the said hopper to guide potatoes into the latter.

1,735,994. GRAPPLING FORK. EMANUEL W. COONS, Hibbing, Minn. Filed Oct. 28, 1927. Serial No. 229,398. 3 Claims. (Cl. 294—107.)



1. A fork of the type described comprising two major shafts carrying spaced adjustable tines thereupon, cooperative means mounted centrally upon each shaft for rotating same, supporting levers upon either side of the cooperative means and adjacent thereto, said levers including a relatively short shaft intermediate of the tine supporting shafts.

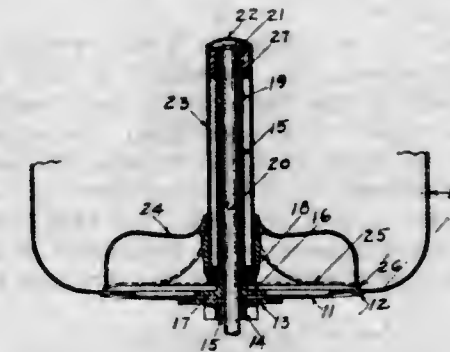
1,735,995. REFRIGERATING SYSTEM. RANSOM W. DAVENPORT, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 29, 1927. Serial No. 236,428. 12 Claims. (Cl. 62—178.)



1. A refrigerating process utilizing as a working medium an evaporable liquid and a gas substantially inert to and insoluble in said liquid comprising withdrawing gas and the vapor of the liquid from above a body of the liquid, extracting heat from the gas-vapor mixture to condense the vapor, feeding the residual vapor-gas mixture and the warm condensate toward the body of vaporizing liquid, separating the gas-vapor from the condensate, cooling the condensate by evaporating it under reduced pressure of its own vapor only and substantially without access of heat from surroundings, feeding the cooled condensate to the body of liquid, expanding the vapor-gas mixture into said body while reducing the pressure above said body, and continuously repeating the above steps.

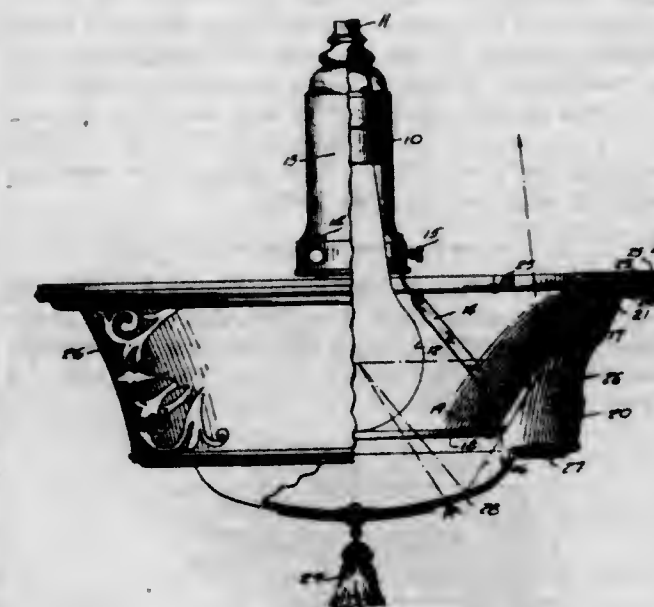
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1,735,996. WASHING MACHINE. MARK A. DEFIBAUGH, Peoria, Ill., assignor to Altorfer Bros. Company, Peoria, Ill., a Corporation of Illinois. Filed Feb. 28, 1927. Serial No. 171,459. 3 Claims. (Cl. 259—101.)



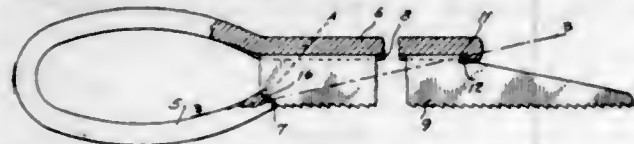
1. In a device of the class described, a stationary tub, having an opening in the bottom thereof, a vertical drive shaft projecting upwardly through said opening, a supporting column for said drive shaft, a water-impelling member comprising a disk having a plurality of blades thereon, a stem merging with said disk and blades surrounding the column, a driving connection between said stem and the vertical shaft, means for centering the disk adjacent the bottom of the tub, said centering means having a threaded connection with the column and permitting vertical adjustment of the impeller member, and a nut for locking said centering member in fixed position.

1,735,997. LIGHTING FIXTURE. LEROY C. DOANE, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Feb. 23, 1927. Serial No. 170,844. 6 Claims. (Cl. 240—78.)



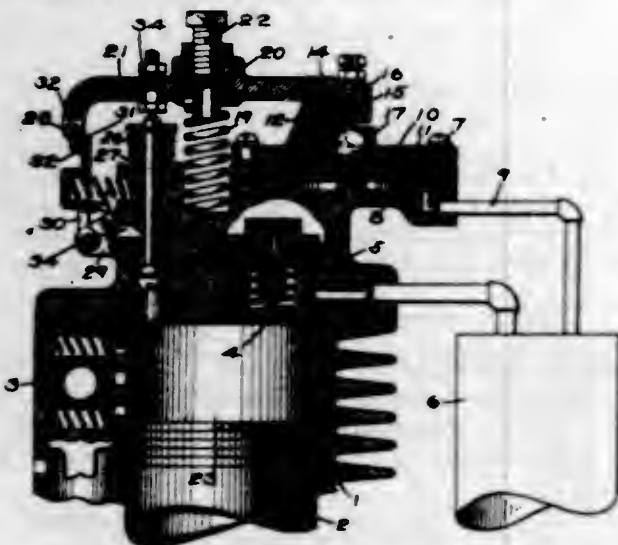
1. A lighting fixture having a light source, a deflector for redirecting horizontally emitted light toward the ceiling, means for supporting the deflector, a translucent disk underneath the light source, the peripheral portions of the disk acting to reflect light onto the outside of the deflector, and means to support the disk from the upper edge of the deflector, said means comprising a perforate stamping outside the deflector and through which light emitted from the outside of the deflector may pass.

1,735,998. HAND TOOL. JACOB G. ELKIN, New York, N. Y. Filed Nov. 13, 1926. Serial No. 148,148. 2 Claims. (Cl. 145-31.)



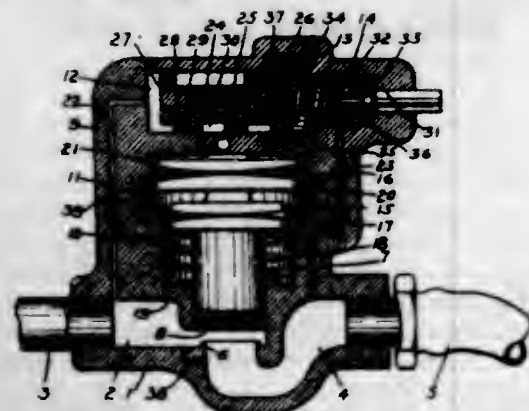
1. A hand tool comprising a holder having a groove extending therealong, an abutment in said groove, a handle for said holder, said handle being resilient, and spaced with respect to the abutment, and a blade, said blade having a notch in its back edge, for engagement with said abutment to limit movement of said blade in the direction of said abutment, and said blade having means for interengagement with the handle of the holder to prevent movement of the blade in a direction away from the holder.

1,735,999. COMPRESSOR-UNLOADING DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 5, 1927. Serial No. 210,844. 5 Claims. (Cl. 230-30.)



1. The combination with a fluid compressor, of means for unloading the compressor comprising a pressure sensitive element subject to the pressure, of fluid compressed by the compressor, a lever directly operated by said element, a valve directly operated by said lever for unloading the compressor, a movable arm having an inclined face engaged by said lever, and a spring for opposing movement of said arm by said lever.

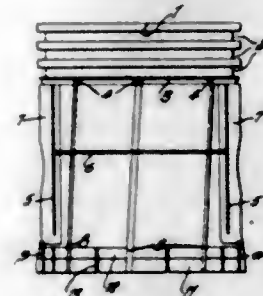
1,736,000. ANGLE-CKOCK DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 9, 1928. Serial No. 268,475. 9 Claims. (Cl. 303-86.)



4. An angle ckock device comprising a casing having a main passageway therethrough, a valve for controlling the flow of air through said passageway, an inner and outer diaphragm of different areas, means for communicating

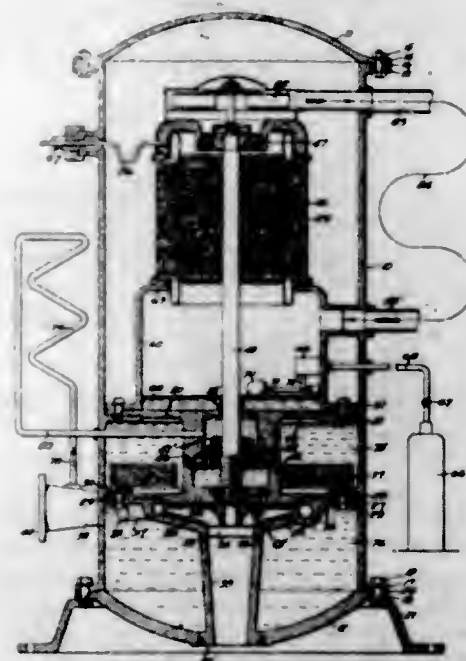
movement of one diaphragm to the other and to said valve, said casing having a port connecting the passageway with the diaphragm of less area for normally permitting unseating of said valve, means subject to brake pipe pressure for controlling the flow of air to the diaphragm of greater area for closing said valve against the pressure on the diaphragm of less area, and a manually operable valve for venting fluid under pressure from said air controlling means.

1,736,001. PISTON. JOHN FLAMMANG, University City, and PERCY L. BOWSER, St. Louis, Mo., assignors, by mesne assignments, to The Sterling Corporation, Wilmington, Del., a Corporation of Delaware. Filed Jan. 16, 1925. Serial No. 2,836. 9 Claims. (Cl. 74-108.)



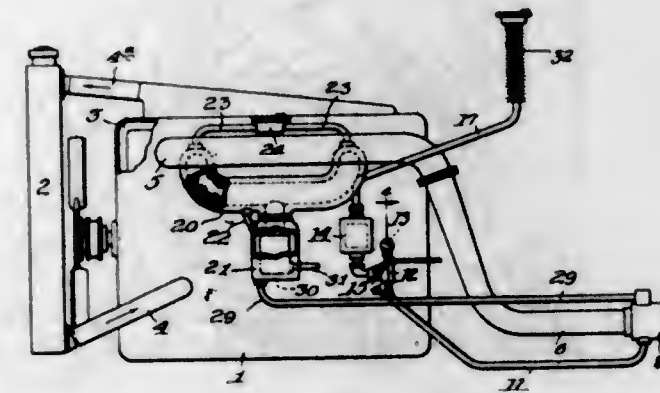
1. A trunk piston having a skirt provided with a transverse slot, the bearing face having a shallow oil distributing groove therealong and connecting with said slot, and means to establish communication between said groove and the interior of the piston at a point remote from the slot.

1,736,002. PUMPING SYSTEM. ROYAL E. FRICKEY and WILLIAM ROBERT LAYNE, San Francisco, Calif. Filed Dec. 26, 1925. Serial No. 77,699. 9 Claims. (Cl. 103-87.)



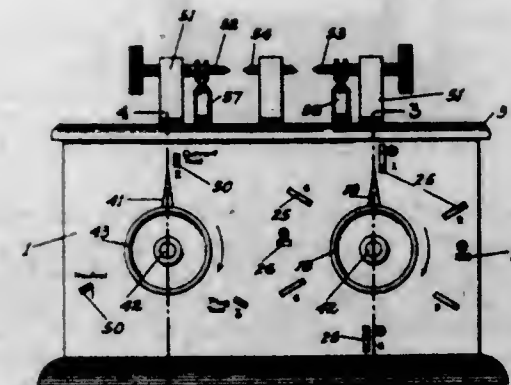
1. In a system adapted to pump an inflammable fluid at a temperature at least as high as the normal flash point of the fluid, a casing containing an atmosphere of inert gas, and a fluid pump disposed in said casing, said casing excluding air from the interior of the same.

1,736,003. STEAM-HEATED FUEL INTAKE FOR INTERNAL-COMBUSTION ENGINES. JOHN H. GOULD, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed Jan. 3, 1927. Serial No. 158,476. 5 Claims. (Cl. 123-122.)



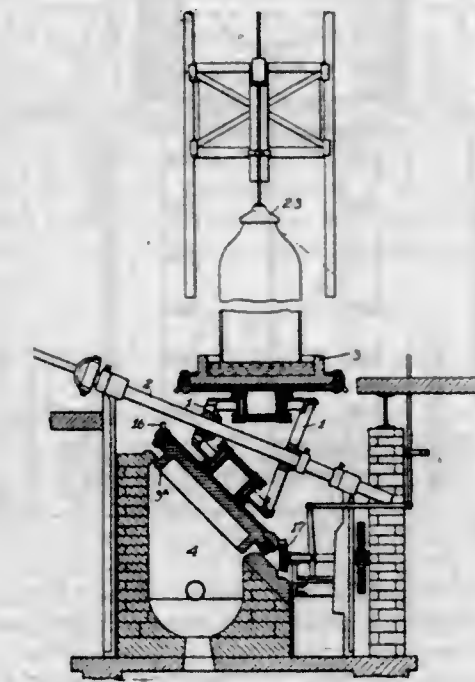
1. The combination with an internal combustion engine, of a jacketed fuel intake element for said engine, a steam supply, a conduit connecting the steam supply with the jacket of said element for supplying steam to the jacket for heating said element, an atmospheric vent for said jacket, a valve for said vent, and thermal means responsive to the temperature of the steam reaching the vent to actuate the valve to close the vent.

1,736,004. IGNITION-TESTING DEVICE. WALTER K. HACK, Santa Cruz, Calif. Filed Oct. 5, 1925. Serial No. 60,450. 6 Claims. (Cl. 175-183.)



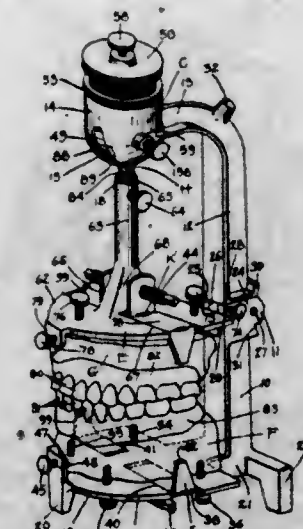
1. A device for testing the ignition system of an internal combustion engine including circuit means connected to the distributor and to the spark plugs of the system, two pairs of spaced electrodes forming independent spark gaps, switch means for alternately including one pair of electrodes in circuit with the ignition system independent of the plugs and including the other pair of electrodes in circuit with the ignition system to include the plugs, and additional switch means to selectively include the circuit for any plug with said first named switch means.

1,736,005. MANUFACTURE OF GLASS CYLINDERS. CHARLES H. HARDING, Fort Smith, Ark. Filed June 21, 1927. Serial No. 200,875. 3 Claims. (Cl. 49-83.1.)



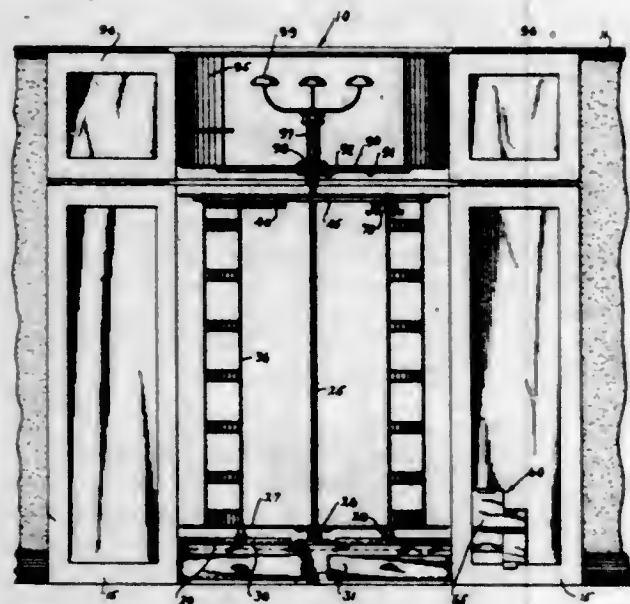
1. The method of manufacture of glass cylinders which comprises drawing the cylinder upwardly from a body of molten glass in a pot, and turning the pot on its axis while restraining the body of the cylinder from turning.

1,736,006. DENTAL ARTICULATOR. HARRY CLIFFORD HAGMAN, Minneapolis, Minn. Filed Oct. 22, 1925. Serial No. 64,134. 19 Claims. (Cl. 32-1.)



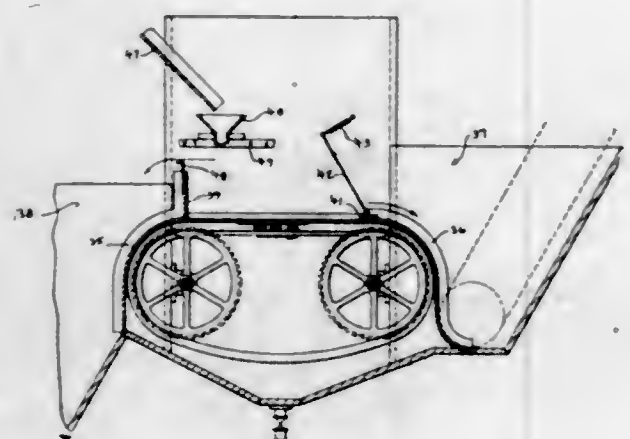
1. An articulator comprising a frame, a support formed on said frame for holding a lower jaw model, an arm extending upwardly from said support, a ball and socket joint carried by said arm, the center of said ball and socket joint substantially coinciding with the center of a sphere whose surface conforms with the surface of occlusion of said lower jaw model and a second support for an upper jaw model suspended from said ball and socket joint.

1,736,007. ROTARY BUILT-IN FIXTURE. GEORGINA A. JOHNSTON, Beverly Hills, Calif. Filed May 27, 1925. Serial No. 33,055. 2 Claims. (Cl. 312-183.)



1. A built-in fixture comprising a closet having a continuous unpartitioned inner space having upper and lower independent openings therein, an independent closure for each of said openings, a rotatable vertical shaft in said closet, a rotatable rack engaging said shaft, said rack being of the same height as the lower opening, a second rack supported by said vertical shaft and rotatable thereon above said first rack, said second rack being of a height corresponding approximately to the height of said upper opening, said second rack including an article supporting bottom member and a plurality of storage compartments.

1,736,008. JIGGING MECHANISM. MARTIN J. LIDE, Birmingham, Ala. Filed Oct. 26, 1925. Serial No. 65,010. 8 Claims. (Cl. 209-426.)

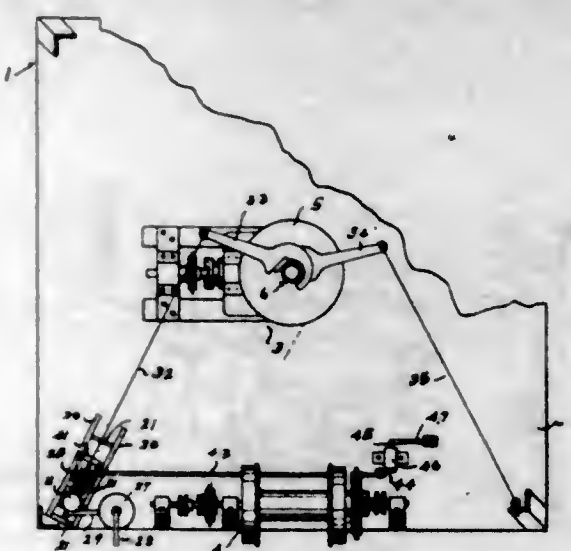


1. A counter-current jig, comprising a jig tank having an endless travelling screen mounted therein, means for feeding material to be treated on to one end of the screen, a wler for the overflow of the lighter stratified material disposed at said end of the screen, and a discharge chute for the heavier stratified material at the other end of the screen, said chute having a bottom wall closely overhanging the discharge end of the screen for guarding said screen.

1,736,009. JOINT-BREAKING APPARATUS. JEDDY D. NIXON, Houston, Tex., assignor to Texas Iron Works Sales Corporation, Houston, Tex., a Corporation of Texas. Filed Apr. 18, 1927. Serial No. 184,617. 8 Claims. (Cl. 255-35.)

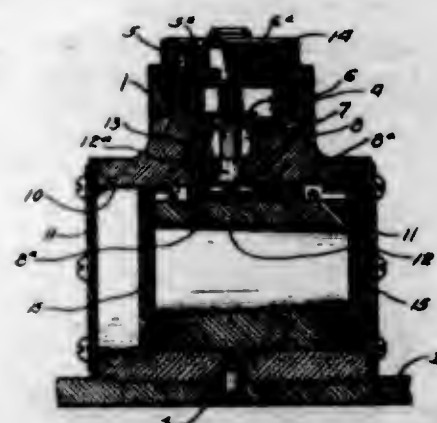
1. A joint breaking apparatus comprising gripping means adapted to be applied to a pin and a box of a drill

pipe joint a breaking gun fixed in approximately vertical position, said gun including a cylinder, a plunger therein movable in one direction by gravity and in the other direc-



tion by fluid pressure means for applying a liquid cushion against the plunger as it moves in the last named direction, a flexible member adapted to connect one of said gripping means to said plunger.

1,736,010. MILKING-MACHINE PULSATOR. ERNEST C. OAKES, Dunkirk, N. Y., assignor, by mesne assignments, to Empire Milking Machine Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Jan. 15, 1921. Serial No. 437,542. 6 Claims. (Cl. 31-62.)

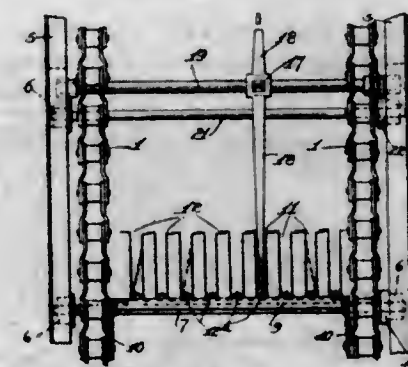


1. In a milking machine, vacuum operated teat cups and a main vacuum line, an intermediate milk pail and a separable unit adapted to rest on said pail cover and be held thereto by suction, said unit containing all ports and pulsator control mechanism including a teat cup vacuum control valve and air valve with stems projecting to contact with a common cam, a reciprocating vacuum piston, a cam secured to reciprocate with said piston, and a detent release valve controlling the movement of said piston.

1,736,011. AUTOMATIC UNLOADER FOR ELEVATORS. SAMUEL OLSON, Chicago, Ill., assignor to Samuel Olson & Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 14, 1927. Serial No. 226,087. 9 Claims. (Cl. 198-20.)

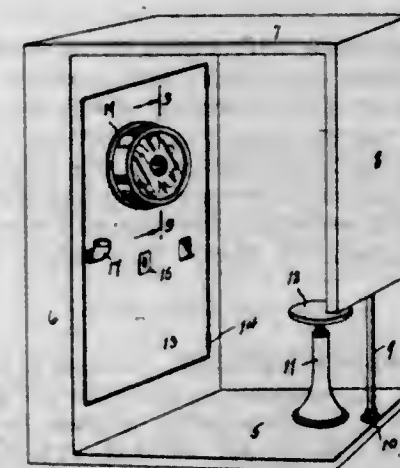
1. The combination of an elevator comprising endless belt means with a tray carried thereby, upstanding spaced partitions dividing the tray into a plurality of compartments; and unloading means for the several compartments at different points respectively along the path of travel, each of said means comprising an arm dimensioned and mounted to pass between a pair of adjacent partitions; a

fixed pivotal mounting for said means disposed out of the path of travel of the elevator and means associated with said arm normally extending into said path and engage-



able with a part of the elevator for swinging the arm through one of the compartments to eject the contents thereof.

1,736,012. ILLUMINATING MEANS FOR PHOTOGRAPHIC CABINETS. JOHN PARCELL, New York, N. Y. Filed Oct. 6, 1927. Serial No. 224,346. 5 Claims. (Cl. 240-1.)



1. Illuminating means for photograph cabinets, comprising a door, a sleeve connected to said door, a plurality of radially disposed light projectors carried by said sleeve, a housing encasing the sleeve and projectors, and a transparent panel in front of the projectors mounted in said housing.

1,736,013. COMBINATION SHOE AND STOCKING. JOHN D. PEACHEY, Floranada, Fla. Filed Aug. 7, 1928. Serial No. 297,970. 4 Claims. (Cl. 36-1.5.)



1. A combination shoe and stocking including a shoe, a stocking foot having a portion at its upper edge to turn outwardly and downwardly over the top of a shoe, a leg

part having its lower edge formed to overlie the top of the shoe and said edge portion of the stocking foot and means for separably connecting said lower edge of said leg part and said edge portion of the stocking foot to said shoe.

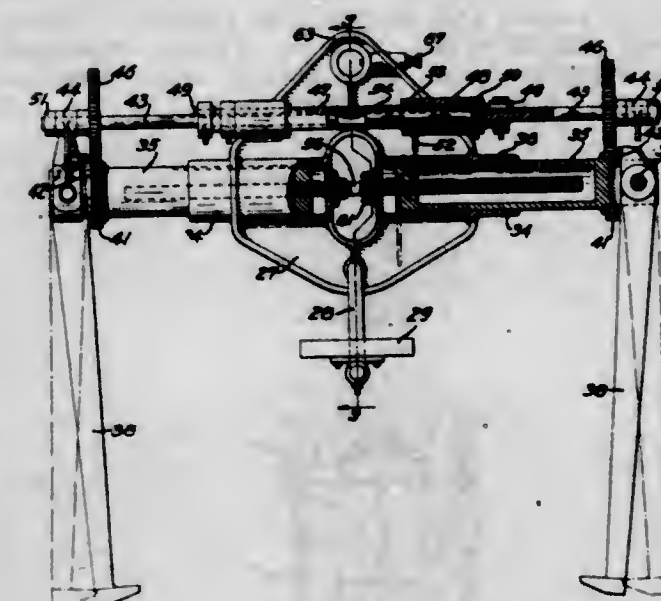
1,736,014. MANUFACTURE OF SULFUR DYESTUFFS. HERMANN PLAUSON, Hamburg, Germany, assignor to Disperoid Syndicate, Ltd., London, England. Filed June 28, 1924. Serial No. 722,954, and in Germany July 2, 1923. 13 Claims. (Cl. 260-17.)

1. Process for the production of a dye in which semi-carbonized carbonaceous material is heated with sulfur and afterwards heated with an inorganic substance of an alkaline nature.

1,736,015. MANUFACTURE OF SULFUR DYESTUFFS. HERMANN PLAUSON, Hamburg, Germany. Original application filed June 28, 1924, Serial No. 722,954, and in Germany July 2, 1923. Divided and this application filed Jan. 13, 1927. Serial No. 161,019. 5 Claims. (Cl. 260-17.)

1. Process for the production of a dye in which a semi-carbonized carbonaceous material is pretreated with a mineral acid and is then heated with a sulfur and afterwards with an inorganic alkaline substance.

1,736,016. APPARATUS FOR HANDLING HEAVY OBJECTS. LELAND S. ROSENER, San Francisco, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Mar. 7, 1927. Serial No. 173,327. 6 Claims. (Cl. 294-67.)

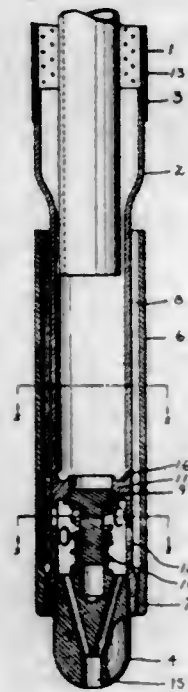


1. In an apparatus for handling heavy objects, a pendantly supported frame, slide bars arranged on said frame, means for extending and retracting the slide bars, opposed hooks pivotally mounted on the slide bars, and means for rocking the hooks on their pivots.

1,736,017. APPARATUS FOR CLEANING WELL-CASING SCREENS. HARVEY S. SMITH, Houston, Tex., assignor of one-half to Odle R. Seagraves, Houston, Tex., and Wm. L. Moody, 3d, Galveston, Tex. Filed Mar. 1, 1928. Serial No. 258,184. 6 Claims. (Cl. 166-20.)

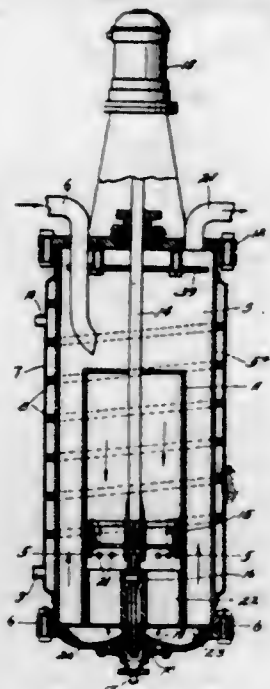
1. The combination with a well casing screen, of a substantially cylindrical inner pipe forming an extension of said screen and having a cleaning fluid opening, and a substantially cylindrical outer pipe on said inner pipe adja-

cent said opening and forming with said inner pipe an annular cleaning fluid channel open adjacent the outer surface of said screen.



face of said screen, whereby cleaning fluid issuing from said opening is directed toward the outer surface of said screen.

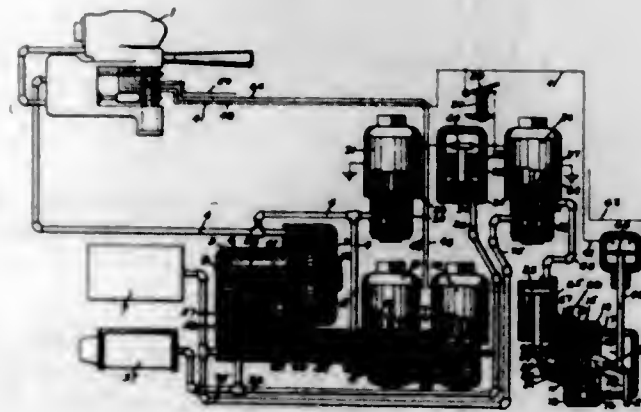
1,736,018. SYSTEM OF TREATING HYDROCARBON DISTILLATES AND APPARATUS USED IN CONNECTION THEREWITH. CHARLES WALCOTT STRATFORD, San Francisco, Calif. Filed Nov. 26, 1926. Serial No. 150,678. 7 Claims. (Cl. 196-45.)



4. The contacting step in a continuous process for treating oil, comprising rapidly circulating the liquid oil in a continuous stream through and around a hollow cylinder in a closed container, introducing the liquid oil to be treated to the hollow cylinder or vortex of the circulating fluid, withdrawing substantially an equal volume by

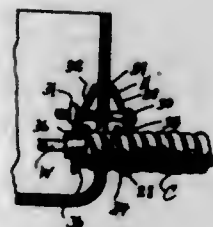
stripping uniformly the liquid at the peripheral upper surface of the circulating oil and adding a treating liquid to the circulating stream.

1,736,019. DOOR AND BRAKE CONTROL DEVICE. FRANK B. THOMAS, Wilkesburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 23, 1928. Serial No. 271,990. 14 Claims. (Cl. 303-6.1.)



3. The combination with means for controlling a car door, of electrically controlled means operative upon energization for effecting the operation of said door controlling means to open the car door, a switch device operable by a passenger for closing the circuit to said electrically controlled means, and means controlled by the operator of the car for supplying current to energize said electrically controlled means when the circuit is closed by said switch device.

1,736,020. CABLE CONNECTER. GEORGE C. THOMAS, JR., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed July 26, 1926. Serial No. 124,821. 10 Claims. (Cl. 247-25.)

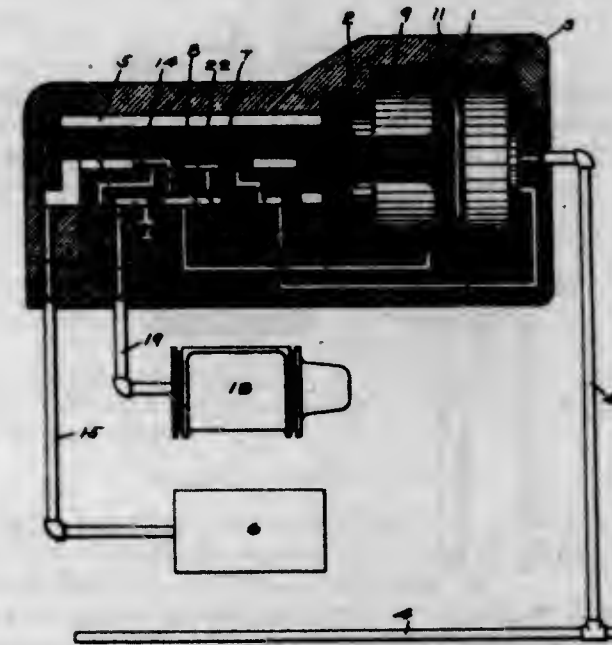


1. A cable connector comprising a flat plate part bent in the general form of the letter V, the apex of which includes a box hole edge anchorage means to engage the edge of a box hole and the diverging ends of which are adapted to stand out to either side of the box wall and engage a cable, and operating means to draw the ends together.

1,736,021. TRIPLE-VALVE DEVICE. THOMAS H. THOMAS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1927. Serial No. 233,790. 14 Claims. (Cl. 303-69.)

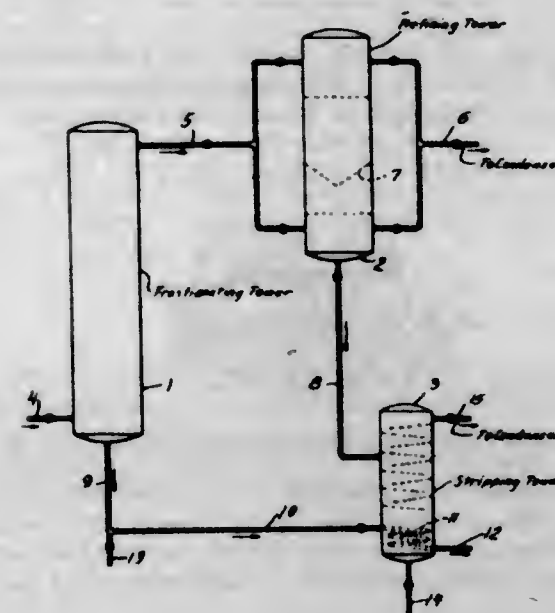
5. The combination with a brake pipe and auxiliary reservoir, of a triple valve device comprising a main valve, a graduating valve having a movement relative to the main valve, piston means for operating said valves having differential piston heads, the smaller head being subject to auxiliary reservoir pressure and the larger head to brake

pipe pressure, the chamber intermediate said heads being supplied with fluid at brake pipe pressure upon relative movement of the graduating valve in applying the brakes



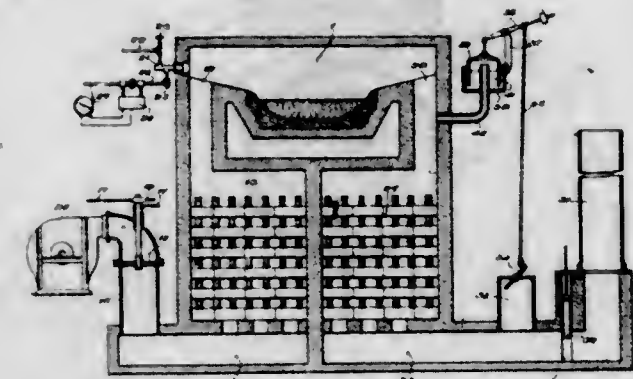
and with fluid at auxiliary reservoir pressure upon relative movement of the graduating valve in releasing the brakes.

1,736,022. ART OF REFINING HYDROCARBONS. THOMAS DE COLON TIFT, Chicago, Ill., and ARNOLD C. VORACH, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y., a Corporation of Maine. Filed Feb. 10, 1928. Serial No. 253,365. 3 Claims. (Cl. 196-96.)



1. In the vapor phase refining of hydrocarbons by passage of the hydrocarbon vapors through a charge of an adsorptive catalyst, the improvement which comprises subjecting the hydrocarbon vapors first to a fractionating operation and therein condensing higher boiling constituents from the hydrocarbon vapors, subjecting the remaining hydrocarbon vapors to a refining operation by passing them as vapors in contact with an adsorptive catalyst, condensing vapors escaping uncondensed from the refining operation, separately discharging liquefied higher boiling material produced in the refining operation therefrom, and stripping lower boiling constituents from this higher boiling material by heat exchange with condensate discharged from the fractionating operation first mentioned.

1,736,023. OPEN-HEARTH-FURNACE CONSTRUCTION. ARTHUR L. STEVENS, Evanston, Ill., assignor to Arthur L. Stevens Corporation, Chicago, Ill., a Corporation of Illinois. Original application filed May 16, 1927, Serial No. 191,563. Divided and this application filed Sept. 14, 1928. Serial No. 305,896. 4 Claims. (Cl. 263-15.)



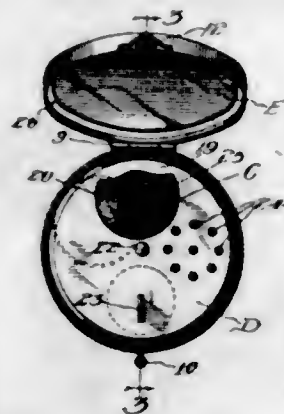
1. In an open hearth furnace, the combination with a hearth chamber, of a source of fuel supply, a source of air supply, means for introducing fuel and air from said sources into the hearth chamber under constant pressure, means for measuring and maintaining the relative proportions of fuel and air so introduced, and a control, independent of said means for introducing the fuel and air into the hearth chamber, for maintaining approximately atmospheric pressure in the hearth chamber aforesaid.

1,736,024. PULLEY. HARRY A. TOULMIN, JR., Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 30, 1928. Serial No. 273,867. 7 Claims. (Cl. 64-17.)



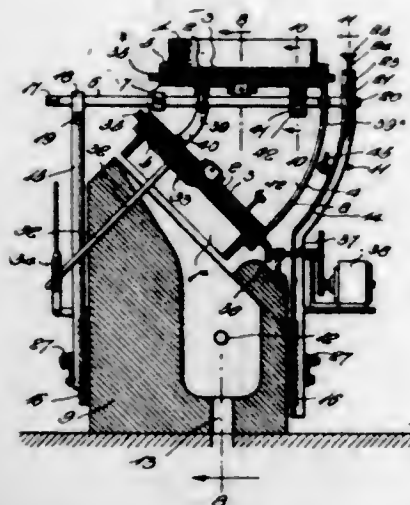
7. In a pulley, a pair of adjacent supporting plates having a groove in the outer face thereof formed partially in each of said plates, the outer margins of said plates having side walls for forming the margin of said groove, means of attaching said plates one to the other, a belt engaging ring having an inner wall conforming to said groove, said ring being mounted therein; depending members depending from said inner wall of said ring into arcuate slots formed in the base of said groove in said plates, and yielding means engaging said depending members on either side of the end walls of said groove of said slots.

1,736,025. VANITY CASE. FRANK E. WAKEFIELD, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed Dec. 31, 1928. Serial No. 329,370. 3 Claims. (Cl. 132-83.)



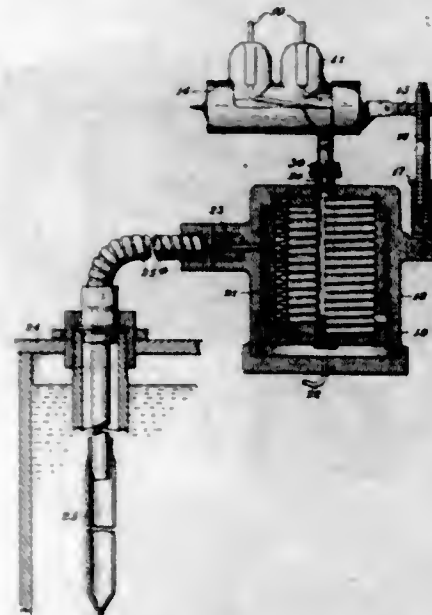
1. In a vanity, the combination of a case within which is a main compartment surmounted by a platform having two openings distant about 120 degrees, means below one opening defining a second compartment within the other, a sifter plate pivotally mounted to rotate on the platform and provided with two openings distant about 120 degrees, the openings in the platform being on a side of the center which is opposite to that wherein are formed the openings in the sifter plate, the relationship being such that the sifter plate may occupy any one of three rotative full positions in the first of which one sifter plate opening is opposite an imperforate portion of the platform and the other opening is in register with the platform opening leading into the main compartment, in the second of which one sifter opening uncovers the platform opening leading into the second compartment and the other sifter plate opening is opposite an imperforate portion of the platform, and in the third of which one sifter plate opening is in register with each of the platform openings.

1,736,026. POT AND KILN CONSTRUCTION. WILLIAM WESTBURY and PATRICK W. COLLINS, Independence, Kans., assignors, by mesne assignments, to Harding Glass Company, Fort Smith, Ark., a Corporation of West Virginia. Filed May 20, 1924, Serial No. 714,680. Renewed Jan. 21, 1926. 4 Claims. (Cl. 49-17.)



4. In a glass drawing apparatus, the combination with a kiln having an eye inclined from the horizontal, of a pot carrier having a pair of pots lying at an angle to each other such that one may be in drawing position and the other in the kiln eye, means for shifting said pot carrier to bring the pots alternately to drawing position and to draining position relative to the kiln eye, and means for relatively shifting said draining pot and kiln eye without destroying drawing position of the drawing pot.

1,736,027. THERMOSTATIC-CIRCUIT CONTROLLER. EDWARD T. WILLIAMS, Brooklyn, N. Y. Filed Mar. 10, 1928. Serial No. 624,219. 3 Claims. (Cl. 200-140.)



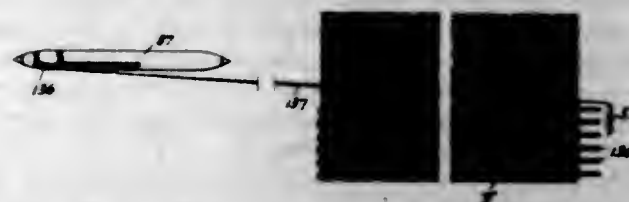
1. In a thermostatic circuit-controlling device, in combination, an element comprising a casing having an opening in a wall thereof, a stem adapted to reciprocate freely through said opening, an element comprising an axially expandible and contractible bellows inside of the casing, one end of the bellows being closed and connected with the stem to actuate the same and the other end being hermetically sealed to a wall of the casing, one of said elements containing a fluid responsive to temperature changes to cause expansion and contraction of the bellows and corresponding actuation of the stem, an arm pivotally mounted on the casing, and a contact-element pivotally and adjustably mounted on the said arm and pivotally connected with the stem so as to be rocked thereby.

1,736,028. ELECTRIC PANEL OR DISTRIBUTION BOARD. FREDERICK O. WINKLEHAUS, Woodhaven, N. Y., assignor to Metropolitan Electric Manufacturing Company, a Corporation of New York. Filed Oct. 21, 1922. Serial No. 595,883. 12 Claims. (Cl. 175-271.)



2. In a panel board, a base, spaced bus-bars extending over said base in plates at right angles to the surface, thereof, a plurality of fuse plug receptacles positioned at the outer side and above the upper edge of each bus-bar, current distributors connected to each bus-bar and branch line terminal pieces connected to and supporting the receptacles.

1,736,029. LOOM. FRANCIS E. ASHTON, Chester, Pa., assignor to Aberfoyle Manufacturing Company, Chester, Pa., a Corporation of Pennsylvania. Filed Dec. 5, 1928. Serial No. 323,818. 21 Claims. (Cl. 139-125.)



1. A loom for use with a single shuttle, a stationary needle for feeding a loop of weft thread to said shuttle,

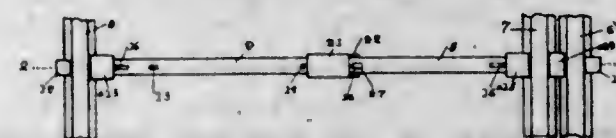
means for holding said weft loop in said shuttle during the passage of said shuttle through the warp shed and its return through a successive shed to its original position, and means to release the loop and to permit the placing of a new loop in the shuttle after each back and forth movement.

1,736,030. SHUTTLE. FRANCIS E. ASHTON, Chester, Pa., assignor to Aberfoyle Manufacturing Company, Chester, Pa., a Corporation of Pennsylvania. Filed Dec. 5, 1928. Serial No. 323,819. 22 Claims. (Cl. 139-126.)



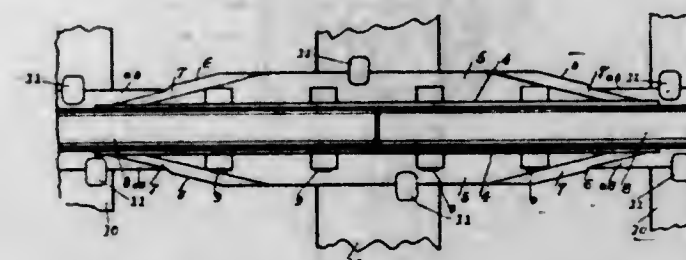
1. A shuttle comprising a body and rotary means mounted therein for intermittently receiving and holding a loop of weft thread.

1,736,031. RAILROAD-GAUGE BRIDLE. CLARENCE D. BALDWIN, Bellingham, Wash. Filed July 14, 1928. Serial No. 292,756. 2 Claims. (Cl. 238-51.)



1. In a rail-road gauge bridle, two bars with overlapping ends disposed across the track beneath the rails thereof, a hook on each of the outer ends of said bars engaged with the outer edge of the flange of one of said rails, a sleeve clamp reciprocal on each of said bars adjacent the inner edge of the flange of one of said rails, a lug on the outer end of each of said sleeve clamps to bear on the top of said inner edge of one of said rail flanges, a key extended through each of said bars adjacent the inner end of the clamp sleeve thereon to bear against the same, and means to retain said overlapping bar ends in positive engagement in adjustable positions.

1,736,032. SPLICE BAR. CLARENCE D. BALDWIN, Bellingham, Wash. Filed Oct. 22, 1928. Serial No. 314,067. 1 Claim. (Cl. 238-243.)

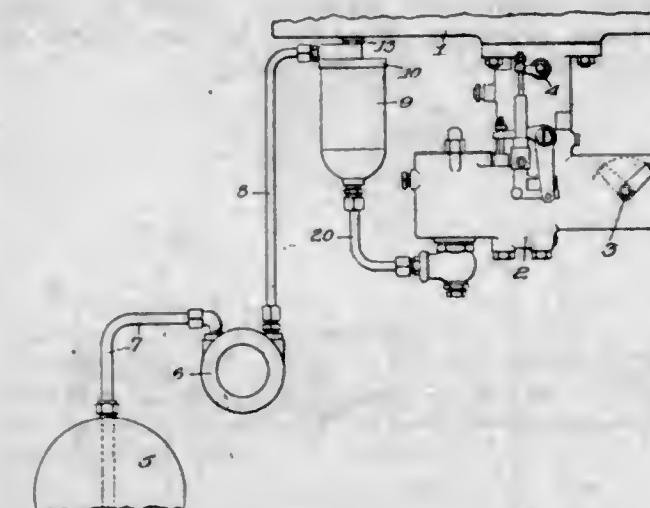


A rail-road rail splice bar consisting of web and flange members the ends of said flange member disposed diagonally toward the center thereof and beveled from the top outward toward the bottom thereof providing a chisel edge on each end of said flange member adapted to bear flatwise on a cross tie and the outer edge of said flange member having neither notches nor other spike-engagement means therein.

1,736,033. FUEL-SUPPLYING SYSTEM. LESTER P. BARLOW, Detroit, Mich. Filed Dec. 10, 1928. Serial No. 324,981. 9 Claims. (Cl. 158-36.4.)

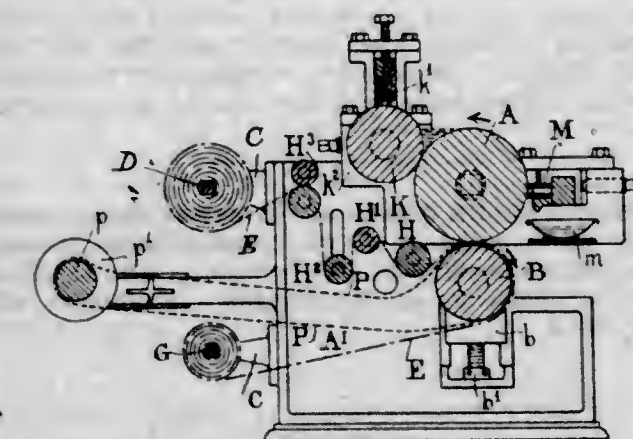
1. The combination with an internal combustion engine, carburetor and liquid fuel supply system therefor, of a pump for forcing liquid fuel through the system to the carburetor at a pressure above that of the atmosphere, a

check valve in the system at the carburetor, and means connected to the engine suction and to the system between the check valve and the discharge side of the pump for conditioning the system for regular operation above at-



mospheric pressure and for automatically controlling the priming of the system and the pump by engine suction, said means in its operation being responsive only to engine suction and the discharge fluids from the pump.

1,736,034. PRINTING APPARATUS. JEKANGIR MANECKJI COOPER, Bombay, India. Filed Oct. 26, 1923. Serial No. 670,831, and in Great Britain Oct. 28, 1922. 13 Claims. (Cl. 101-225.)



1. In a printing machine, in combination with a rotatable color cylinder, a continually rotating film producing cylinder maintaining with said color cylinder a supply of color in direct contact with the surface of said color cylinder.

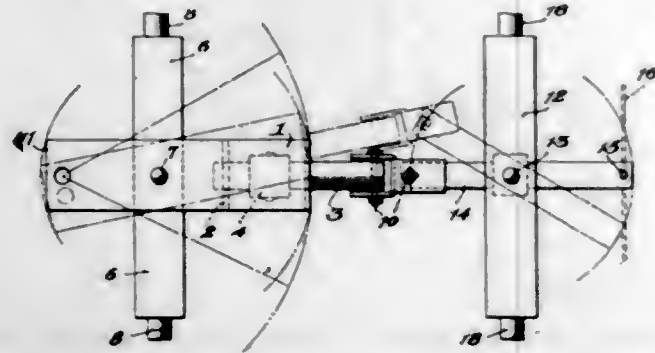
1,736,035. SOUND-REPRODUCING DEVICE. LEE DE FOREST, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation, a Corporation of Delaware. Filed Oct. 31, 1925. Serial No. 65,916. 12 Claims. (Cl. 181-31.)



1. In a sound reproducing device, a support, a curved diaphragm freely mounted in said support, and means for

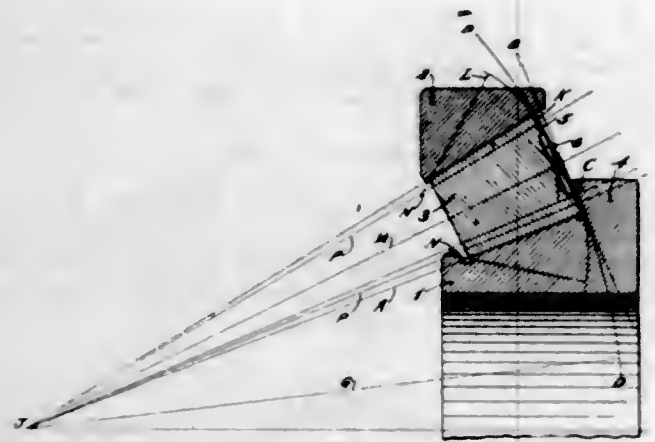
vibrating said diaphragm, said means being attached substantially tangentially to said diaphragm near its marginal edge.

1,736,036. COUPLING SYSTEM. JESOS DE VEGA, Olavarría, Argentina. Filed July 12, 1928. Serial No. 292,055. 3 Claims. (Cl. 280—33.2.)



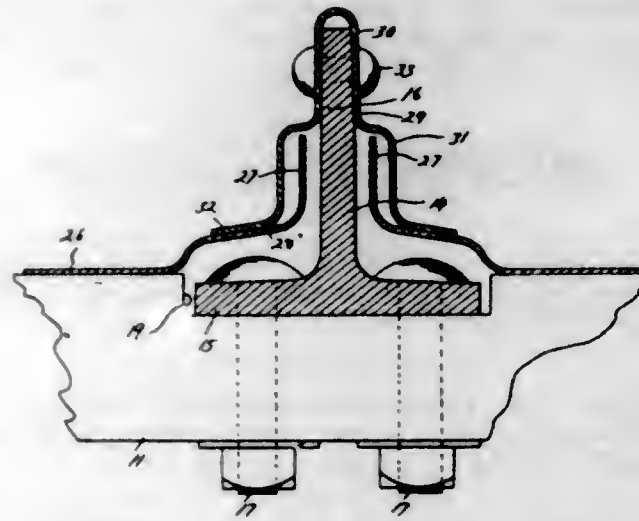
1. A coupling device for vehicles comprising a U-shaped link for one of the vehicles; a rod for the other vehicle; a balance beam rotatably secured to one of the vehicles by means of its ends and to which the link is pivotally mounted intermediate its ends; a second balance beam rotatably secured to the other vehicle by means of its ends and to which the rod is pivotally mounted intermediate its ends; a universal joint device connecting said link and rod together; and means for turning said rod around its pivotal connection to aid the vehicles in negotiating curves.

1,736,037. ROLLER BEARING. HARRY D. ELSE, Springfield, Mass., assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 4, 1927. Serial No. 196,432. 3 Claims. (Cl. 308—214.)



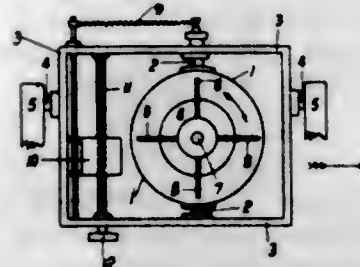
1. A roller bearing comprising a bearing cone having a thrust rib at its large end, a bearing cup, and a series of rollers between said cone and said cup, the bearing surface of said thrust rib being slightly undercut and the end of each roller having an annular rib of longitudinally convex section whose center of curvature is fairly close to the smaller end of the roller in a line extending through the crest of said rib and the apex of the bearing.

1,736,038. CAR ROOF. EDWIN G. FRANCK, Detroit, Mich., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Delaware. Filed June 15, 1925. Serial No. 37,260. 5 Claims. (Cl. 108—5.4.)



1. In a flexible car roof, a skeleton frame including carlines formed of T-bars, roofing sheets arranged between said carlines, transverse caps engaging the stems of said T-bars and said roofing sheets, and means for rigidly securing said caps to the stems of said T-bars at points intermediate the ridge and eaves of the car.

1,736,039. GYROSCOPIC APPARATUS. JAMES GORDON GRAY, Glasgow, Scotland. Filed July 1, 1927. Serial No. 202,850, and in Great Britain July 3, 1923. 5 Claims. (Cl. 74—78.)



4. In combination, a moving body, horizontal pivots extending in the normal direction of movement of said body, a vertical frame mounted on said pivots, a gyroscope including a casing attached to said frame and a spinning body within said casing, the axis of spin being horizontal and normally athwart the plane of said frame, a weight attached to said frame, a screw rotatable to raise and lower said weight, and means for applying a couple to the casing of the gyroscope in the plane of the spinning body.

1,736,040. TUBING BLEEDER FOR OIL-WELL PUMPS. WALTER H. HAZLETT, Long Beach, Calif. Filed Dec. 10, 1927. Serial No. 239,105. 14 Claims. (Cl. 137—34.)

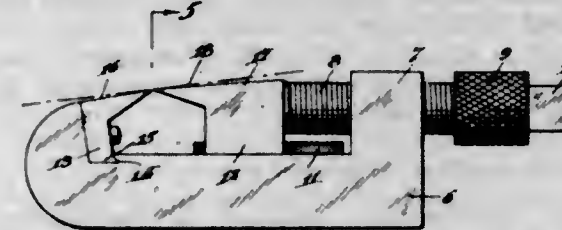
9. In combination, a pump tubing, a bleeder connection thereon and having a discharge passage, a seal for said passage, a member rotatably threaded into and positioned within said connection, means on said rotary member to

rupture said seal, a pump rod passing through said connection and having means to rotate said member, whereby



said rotary member is advanced axially during rotation by reason of said threads to feed said rupturing means into rupturing engagement with said seal.

1,736,041. CLIPPING DEVICE. CHARLES A. HUFF, Philadelphia, Pa. Filed Nov. 14, 1927. Serial No. 233,034. 7 Claims. (Cl. 81—201.)



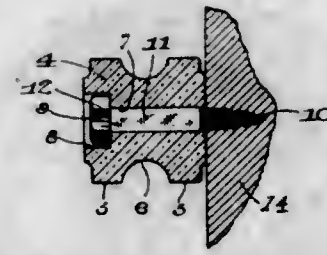
6. A clipping device including a base, a stationary and a movable jaw on said base, the outer surface of one of said jaws being inclined to the plane of the outer surface of the other jaw.

1,736,042. ACOUSTICAL APPARATUS. HORACE L. KENT, New York, N. Y. Filed Oct. 19, 1925. Serial No. 63,271. 6 Claims. (Cl. 181—31.)



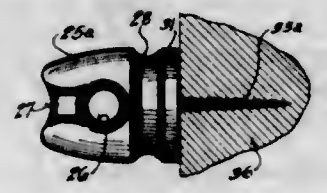
1. A sound reproducer comprising a resonant base, a vibrating device mounted centrally on said resonant base, a conical diaphragm inclined over and secured to said vibrating device, a frustum conical wall connected at its smaller end to said conical diaphragm, and means for positioning the larger end of said wall.

1,736,043. INSULATOR. WILLIAM D. KYLE, Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 4, 1923. Serial No. 666,532. 3 Claims. (Cl. 173—28.)



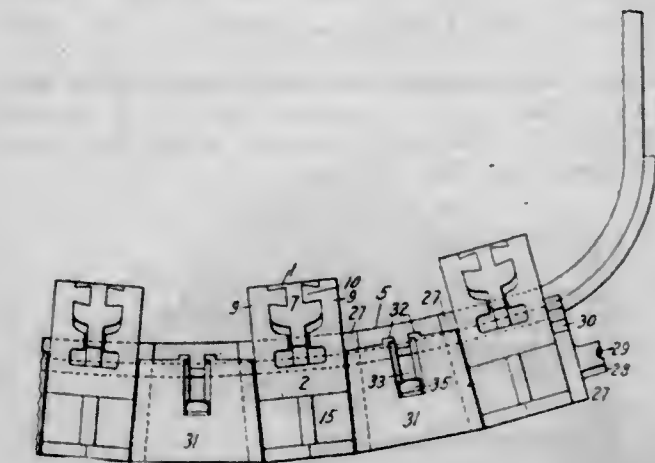
1. A line conductor support comprising a wire-receiving insulator having a tool-engaging surface and an axially disposed polygonal opening, and a headed attaching screw having a polygonal shank loosely fitting in said opening, whereby said attaching screw may be turned into a support by a tool rotating said insulator.

1,736,044. SCREW INSULATOR. WILLIAM D. KYLE, Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis., a Corporation of Delaware. Filed Nov. 21, 1924. Serial No. 751,253. 5 Claims. (Cl. 173—28.)



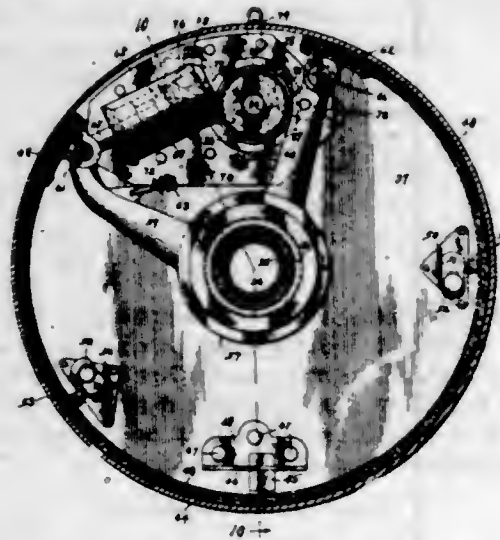
1. An insulator comprising an insulator body having a transverse wire-receiving opening and a shouldered screw-receiving aperture intercepted by said opening, an attaching screw having an enlarged head portion inserted in said aperture in axially spaced relation from said transverse opening to engage the shouldered portion of said aperture and said screw being in relatively non-rotatable loosely fitting engagement with the walls of said aperture, whereby said attaching screw may be turned into a support and receive an axial thrust by a tool inserted through said transverse opening.

1,736,045. TEETH FOR EXCAVATING DIPPERS AND THE LIKE. WALTER E. MILEY, Marion, Ohio, assignor to The Marion Steam Shovel Company, Marion, Ohio, a Corporation of Ohio. Original application filed Aug. 17, 1926, Serial No. 129,842. Divided and this application filed Feb. 7, 1928. Serial No. 252,602. 8 Claims. (Cl. 37—141.)



1. In an excavating dipper, a plurality of teeth each comprising a base secured to the front of said dipper and a point detachably secured to said base, and parts carried by said points of said teeth and arranged wholly between said teeth and in advance of the dipper front to protect the latter from wear.

1,736,046. BRAKE-CONTROLLING MECHANISM. EDWARD J. MADDEN, Detroit, Mich. Filed Dec. 29, 1924. Serial No. 758,725. Renewed Dec. 8, 1927. 3 Claims. (Cl. 188—78.)



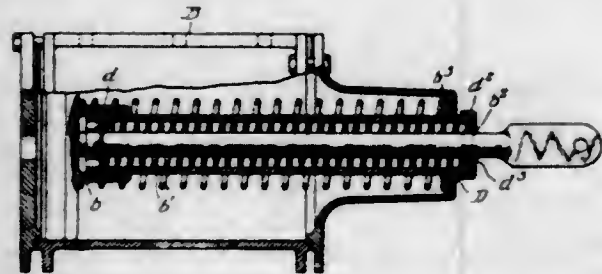
1. In a brake controlling mechanism, a brake band and a drum therefor provided with a central cylindrical member, arms rotatably mounted on said cylindrical member and connected to the ends of the band to prevent radial movement of said ends, and means to move said ends circumferentially of the drum relative to each other to cause the intermediate portions of the band to engage and disengage the drum, and means to limit the circumferential movement of said band and arms.

1,736,047. SYNTHETIC MATERIAL ADAPTED TO THE PLASTIC ART. CLARENCE A. NASH, Milwaukee, Wis., and JOHN P. TRICKEY, Evanston, and CARL S. MINER, Glencoe, Ill., assignors, by direct and mesne assignments, to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 13, 1923. Serial No. 612,552. 18 Claims. (Cl. 260—3.)

1. The process of producing synthetic plastic material adapted to ultimate hardening, which comprises effecting partial condensation reaction of a phenolic body and a fural yielding substance, controlling the condensation reaction so that it may be positively arrested at any intermediate stage, and adding additional fural yielding substance to bring it in excess of equimolecular proportions with respect to said phenolic body.

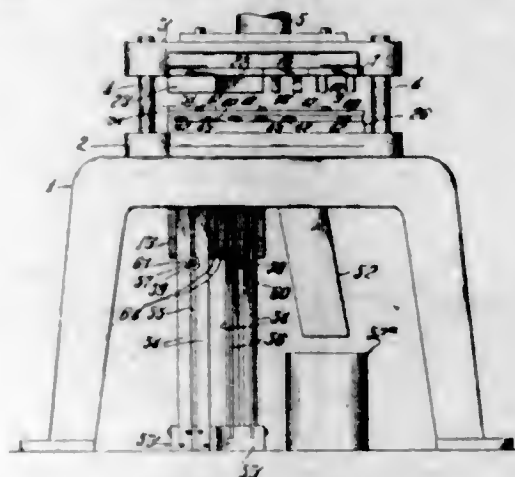
17. A hard and substantially infusible and insoluble product of condensation of phenolic and fural yielding substances comprising a non-ammoniacal alkaline catalytic agent, said fural yielding substance being in excess over equimolecular proportions relative to said phenolic substance.

1,736,048. BRAKE-RELEASE MECHANISM FOR RAILWAY CARS. JOHN O. NEIKIRK and DAVID HINDAHL, Chicago, Ill. Filed Apr. 20, 1928. Serial No. 271,470. 8 Claims. (Cl. 188—216.)



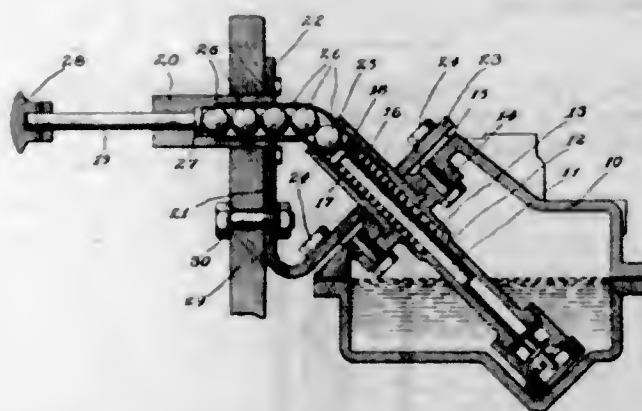
1. In a railway car, air brake mechanism comprising the usual brake cylinder, piston and sleeve, a push rod loosely mounted in the sleeve and means within the cylinder applied to the push rod for returning the push rod to normal position within the sleeve after the push rod is drawn outwardly therefrom.

1,736,049. DIE-PUNCHING APPARATUS. HARRY W. NORDENDALE, Chicago, Ill., assignor to Nordendale Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Original application filed Feb. 2, 1929, Serial No. 337,021, Patent No. 1,718,176. Divided and this application filed May 17, 1929. Serial No. 363,754. 13 Claims. (Cl. 164—25.)



1. A machine for cutting core laminations from a strip of material comprising cooperating and relatively movable punch and die elements, the die being formed with openings adapted to receive the punch elements, guide and stop members on the die element whereby the strip may be advanced longitudinally therethrough by steps of predetermined length, the punch comprising a pair of spaced parallel members extending transversely of the strip for punching straight laminations therefrom, and a pair of rectangular block punches positioned in staggered relation one at each side of and abutting the longitudinal center line of the path of the strip.

1,736,050. ACTUATOR. WILLIAM S. FRITCHARD, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a Corporation of New York. Filed Feb. 7, 1927. Serial No. 166,573. 3 Claims. (Cl. 184—28.)



2. In combination a pump casing and a pump plunger projecting upwardly therefrom at an angle to the horizontal, a substantially horizontally arranged operating plunger, a housing for the operating plunger, an adaptor plate shaped to support the operating plunger housing in fixed angular relation to the said pump plunger, and means for transmitting the movement of the operating plunger to the said pump plunger.

1,736,051. PROCESS OF PREPARING ABSORPTIVE CARBON. ARTHUR B. RAY, Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Oct. 28, 1921. Serial No. 511,170. 3 Claims. (Cl. 252—3.)

1. A process of forming strongly coherent bodies from highly absorptive carbonaceous material, without substantially impairing the absorptive capacity of the same, com-

prising associating such material in fragmentary condition with a substance yielding carbon on thermal decomposition, molding the resulting mixture under pressure, applying regulated heat to decompose said substance, and treating the coherent body thus formed with a gaseous oxidizing agent to increase its absorptive capacity.

1,736,052. WHEELED TOY VEHICLE. DANIEL K. RICE, Polo, Ill. Filed Feb. 17, 1928. Serial No. 255,053. 2 Claims. (Cl. 208—42.)

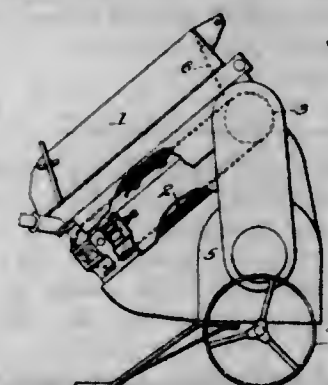


1. A riding toy in the form of an aeroplane comprising a fuselage-like body, wings projecting laterally and outwardly from the sides of the body, a pair of side members in the body, a cross member between the side members, a shaft journaled longitudinally in the forward portion of the body, and in the cross member, a propeller on the front end of the shaft in front of the body, a pair of brackets, one depending from each side member said brackets being V-shaped in formation, a shaft journaled in the apices of the brackets, wheels on the last mentioned shaft, a sprocket on the last mentioned shaft, a pair of longitudinal bottom boards in the body having adjacent ends spaced, a pair of bars disposed between said adjacent ends of the bottom boards in spaced relation to each other, a third shaft, means for journaling the third shaft on the bars, foot actuated means for rotating the third mentioned shaft, a sprocket on the third mentioned shaft, a chain trained over said sprockets, a pulley on the third mentioned shaft, a pulley on the first mentioned shaft, an idler pulley on the forward portion of one of the bottom boards, and an endless cable trained over the pulley.

1,736,053. NICKEL-CHROMIUM-IRON ALLOY AND ARTICLES MADE THEREFROM. WILHELM ROHN, Hanau-on-the-Main, Germany. Filed Sept. 16, 1927. Serial No. 220,055, and in Germany Nov. 23, 1925. 4 Claims. (Cl. 75—1.)

1. An alloy for making injection cannulae, surgical instruments, dentures, substitutes for inner parts of men and animals and the like, containing nickel 80 to 50%, chromium 10 to 40%, iron 1 to 40%, molybdenum 0.2 to 12% and carbon less than 0.05%.

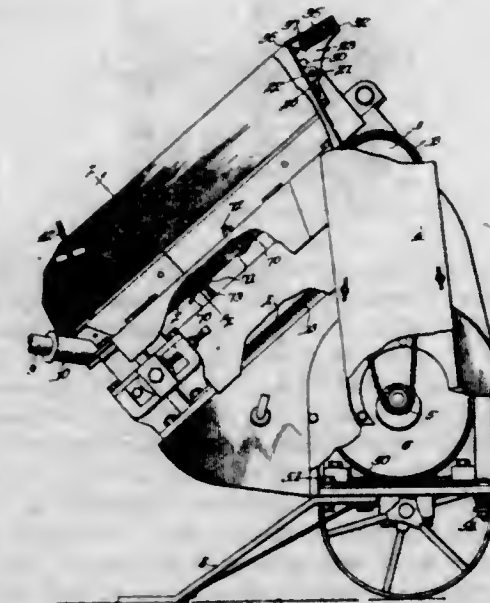
1,736,054. SEPARATOR FOR GRANULAR MATERIAL. GEORGE F. ROYER, Wilkes-Barre, Pa., assignor to Royer Foundry and Machine Co., Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed July 7, 1927. Serial No. 204,028. 3 Claims. (Cl. 209—120.)



3. A separator comprising a driven endless belt provided with outwardly projecting edge members and having

within the channel formed by said members and the belt a series of rows of outwardly projecting sprigs, the ends of alternate rows being spaced from the adjacent edge member a distance greater than that separating the ends of intermediate rows from that edge member, and the opposite ends of the rows being related to the other edge member.

1,736,055. APPARATUS FOR TREATING AND BLENDING MOLDERS' SAND. GEORGE F. ROYER, Wilkes-Barre, Pa., assignor to Royer Foundry and Machine Co., Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed July 12, 1927. Serial No. 205,177. 4 Claims. (Cl. 209—90.)



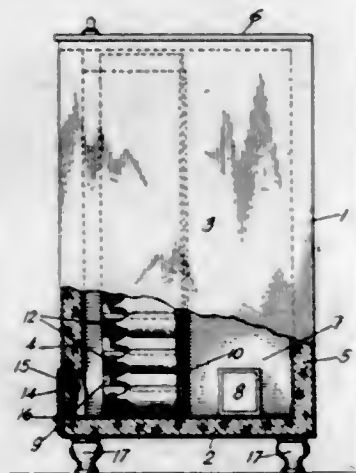
1. In an apparatus for the purpose described, the combination of a supporting frame, a flexible belt mounted on the frame to travel in an upwardly inclined direction and provided on its outer face with means for separating granular particles from a mass of material deposited on the belt and collecting the separated particles, and a hopper open at the bottom positioned above the belt and having in its upper end wall a plurality of blade-like members extending substantially perpendicular to the path of travel of the belt and having their lower ends closely adjacent the separating elements on the belt, and adapted to move in the direction of travel of the belt under excessive pressure, the side walls of the hopper adjacent the lower edges thereof being deflected inward over the belt and the latter having marginal projections preventing particles collected thereby from passing over the edges of the belt.

1,736,056. ABRADING DEVICE. ELMER C. SCHACHT, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a Corporation of New York. Filed June 25, 1927. Serial No. 201,437. 16 Claims. (Cl. 51—168.)



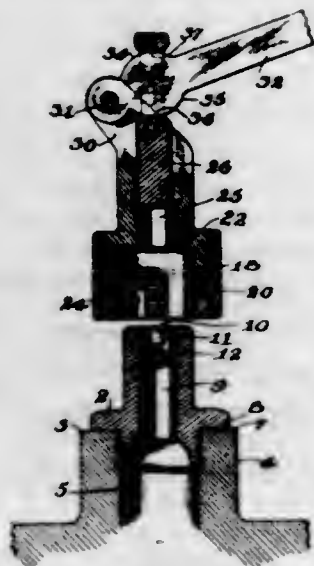
1. A substantially flexible abrasive element of the class described, having a central opening and openings disposed outwardly of the central opening, one edge of each of the outwardly disposed openings being depressed and the abrasive surface adjacent the same being relatively smooth.

1,736,057. REFRIGERATED BOTTLE DISPENSER. ADEN E. SMITH, Columbus, Ohio, assignor to The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio, a Corporation of Ohio. Filed Nov. 11, 1927. Serial No. 232,684. 5 Claims. (Cl. 312-36.)



1. A bottle dispenser comprising a casing formed to include heat insulated walls, said casing being formed internally to include a refrigerant receiving chamber and a plurality of bottle receiving compartments, a removable rack positioned within each of said compartments and adapted for the reception of a plurality of horizontally arranged bottles, each of said racks being formed to include a bottle receiving channel of substantially zigzag form wherein adjacent bottles impinge upon one another but do not occupy the same vertical plane, and means provided in connection with said casing permitting of the removal of bottles from the lower ends of each of said bottle compartments.

1,736,058. LUBRICATING SYSTEM. CARL SUTTER, GEORGE A. PETTIT, and ERNEST B. NORMAN, New Orleans, La., assignors to said George A. Pettit. Filed Dec. 11, 1926. Serial No. 154,210. 5 Claims. (Cl. 221-47.4.)

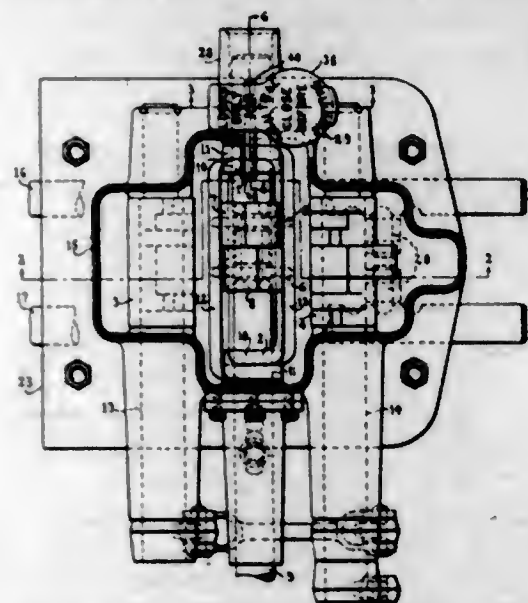


3. A cylinder having inverted L-shaped slots extending laterally through the wall thereof at one of its ends, a sleeve fixed to said cylinder on the outside thereof to cover said slots, a piston slidable in said cylinder and a lever fulcrumed on said cylinder and engaging said piston to reciprocate it.

1,736,059. LOCKABLE GEAR-SHIFTING DEVICE. HERMAN J. TAYLOR, Milwaukee, Wis., assignor, by mesne assignments, to Vulcan Motor Devices Company, a Corporation of Pennsylvania. Filed July 9, 1923. Serial No. 650,312. 8 Claims. (Cl. 70-128.)

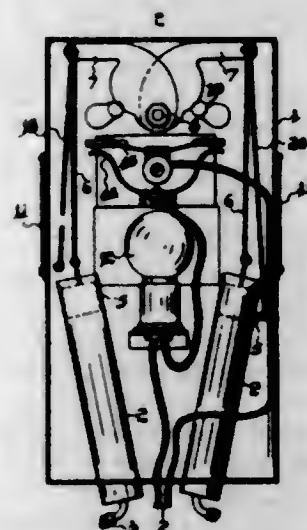
1. The combination with a preselective gear shifting device including a part adapted to be preset in given

positions for selection of shifting operations of the controlled gears and neutralization of all of the same, a lock for locking said part in a position for neutralization



of the controlled gears, and means associated with said lock to prevent operation thereof except upon neutralization of the controlled gears and said part.

1,736,060. SIGNAL APPARATUS FOR MOTOR VEHICLES. WILLIAM TOWNSEND, Toronto, Ontario, Canada. Filed June 7, 1928. Serial No. 283,513, and in Canada June 6, 1927. 3 Claims. (Cl. 116-39.)

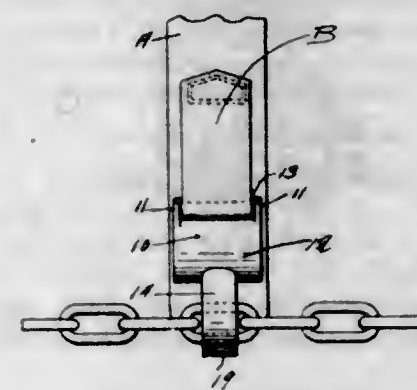


1. In signalling apparatus, the combination of a casing; a pair of pointers; means for actuating said pointers independently or simultaneously; a pair of indicators slidably mounted in said casing and normally in indicating position, each of said indicators being adapted to be actuated simultaneously with a pointer; and a third indicator slidably mounted in the casing, said third indicator being adapted to be held out of indicating position by either of said other indicators, but adapted to move into indicating position when said pair of indicators are both moved out of indicating position.

1,736,061. PROCESS OF MAKING 1-PHENYL-BENZANTHRONE COMPOUNDS. WILLY TRAUTNER, BERTHOLD STEIN, and ROBERT BERLINER, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 16, 1926. Serial No. 135,990, and in Germany Nov. 23, 1925. 5 Claims. (Cl. 260-61B.)

1. The process of producing 1-phenyl-benzanthrone compounds which consists in heating mixtures of anthrone compounds and cinamic aldehyde to temperatures of about 200-300° C.

1,736,062. TRACE-CHAIN HOOK. CHARLES D. TURLINGTON, Lillington, N. C., assignor of one-half to Ernest F. Young, Dunn, N. C. Filed Aug. 21, 1928. Serial No. 301,045. 2 Claims. (Cl. 54-55.)

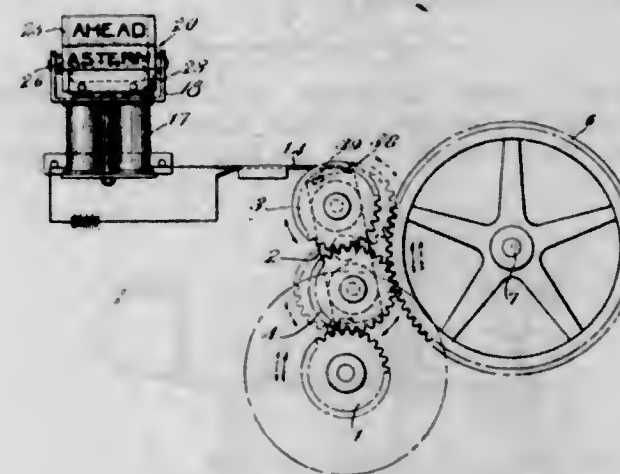


1. A trace chain hook comprising a hollow body portion having a depending loop, the body and the loop on their rear sides being open, a plate having a depending inwardly curved tongue, the plate constituting the rear wall of the body and being pivoted thereto and the tongue when closed conforming to and fitting the opening in the rear portion of the loop, the tongue being provided with a forwardly projecting tooth extending across the loop when the tongue is closed and adapted to engage a link of the trace chain, and a spring urging said tongue into its position.

1,736,063. CONDENSATION PRODUCT CONTAINING SULPHUR. PAUL VIECK, Dessau in Anhalt, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 7, 1925. Serial No. 87,665, and in Germany Nov. 14, 1924. 2 Claims. (Cl. 260-20.)

1. Process for the production of colorless compounds containing sulphur and capable of being adsorbed by textile fibers and other substrata which comprises treating a resinous body, obtainable by the action of sulphur chloride on a hydroxybenzene, with strong sulphuric acid at a temperature of about 100° C., and raising the temperature slowly while treating the resulting material with an excess of a hydroxybenzene until the temperature reaches about 220° C.

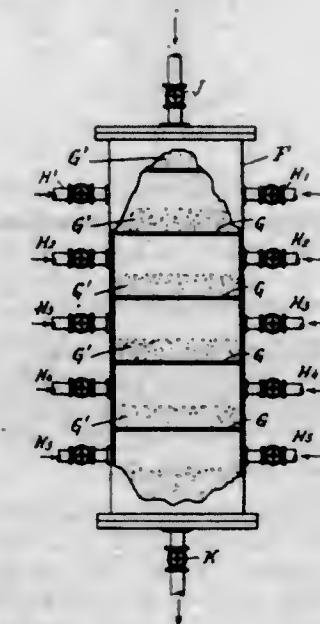
1,736,064. UNIDIRECTIONAL DRIVING MECHANISM. GEORGE WALKER, Newton Center, Mass. Filed Mar. 1, 1926. Serial No. 91,360. 2 Claims. (Cl. 74-58.)



1. A device designed accurately to impart rotative movement of a member in either direction to a rotatable element movable in only one direction, said device comprising a swinging arm, a pair of meshed gears mounted thereupon, and a third gear, said arm being swingable

from one position to another upon reversal of movement of the member whereby one or the other of the meshed gears are adapted to engage the third gear in accordance with the position of the arm, and brake means to prevent the free rotation of the meshed gears as the arm is swung from one position to the other.

1,736,065. PROCESS OF PRODUCING HYDROGEN. ROGER WILLIAMS, Wilmington, Del., assignor to Du Pont Ammonia Corporation, Wilmington, Del., a Corporation of Delaware. Filed Aug. 5, 1926. Serial No. 127,443. 10 Claims. (Cl. 23-212.)



10. The process of manufacturing hydrogen, which comprises passing a mixture of steam and methane over a succession of spaced catalyst bodies and introducing oxygen to the gaseous mixture during its passage through the space between the catalyst bodies in the proportion required to maintain the temperature necessary for the reaction by combustion of some of the hydrocarbon.

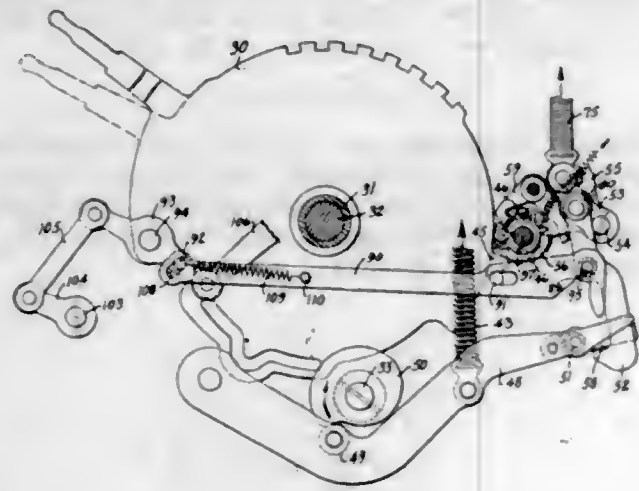
1,736,066. PROCESS FOR PRODUCING PIGMENTARY BASE PRODUCTS FOR LEAD PAINTS. AXEL VIGO BLOM, Grosshøchstetten, Switzerland. Filed Apr. 5, 1927. Serial No. 161,279. 3 Claims. (Cl. 134-58.)

3. A continuous process for producing a pigmentary base of the character described, which consists in melting an alloy composed of 85 per cent lead, 13 per cent antimony, and 2 per cent tin in the presence of a small percentage of calcium resinate in a thin layer in an air tight furnace, establishing a vacuum in the said furnace, causing the said molten lead to be acted upon by a plurality of streams of air drawn into the said furnace by the vacuum, continuously removing the product and separating therefrom all particles larger than 50 microns.

1,736,067. CASH REGISTER. SAMUEL BRAND, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed June 3, 1927. Serial No. 196,225. 13 Claims. (Cl. 235-2.)

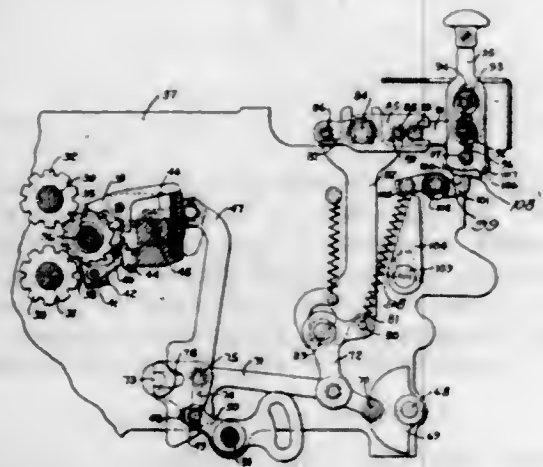
1. In a machine of the class described, the combination of a total control lever having an add position and a total-taking position, said lever being adapted to be set manually into its total-taking position, a rotatable member adapted to cooperate with said lever for restoring it from its total-taking position to its add position, a nor-

mally inactive spring device for rotating said member, means operable during all operations; and means oper-



ating only during total-taking operations to connect said device to said operable means and to release said device from said operable means.

1,736,068. CASH REGISTER. WILLIAM C. BROWN, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Apr. 25, 1924. Serial No. 708,939. 8 Claims. (Cl. 235-7.)

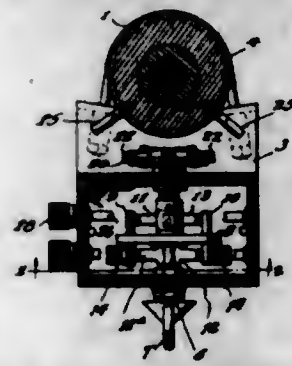


5. In a machine of the class described, the combination of a consecutive numbering mechanism, a pawl for actuating said mechanism, a link for driving said pawl, a lever for driving said link, a laterally movable member connected to said link, a bell crank lever pivoted to said member, a pitman cooperating with said bell crank, a centrally pivoted arm, two pins carried by said arm and adapted when said arm is rocked in either direction to contact with and lower said pitman in order to disable the consecutive number actuating mechanism, and a pivoted lever adapted when moved in either direction to rock said arm.

1,736,069. VEHICULAR TRAFFIC-SIGNAL SWITCH. WALLACE W. BUGH, North Tonawanda, N. Y. Original application filed Apr. 5, 1927. Serial No. 181,255. Divided and this application filed May 5, 1928. Serial No. 275,351. 2 Claims. (Cl. 200-59.)

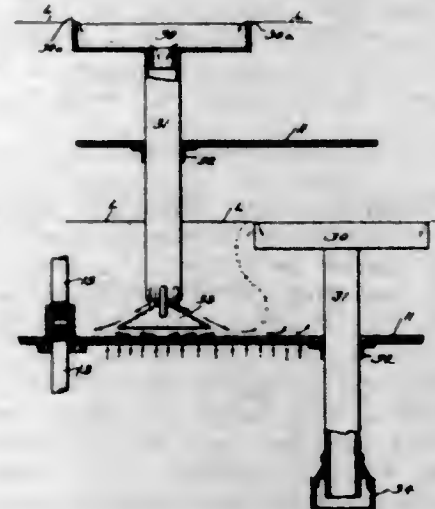
1. In combination with the switch mechanism of directional signal circuits for a vehicle, including a pivoted switch member and oppositely disposed circuit closing contacts, a resetting mechanism for restoring the switch to normal position after being actuated, the same comprising a plate connected to the pivoted switch member,

dogs pivoted to said plate and yieldably connected to each other and stops carried by the steering wheel, and adapted



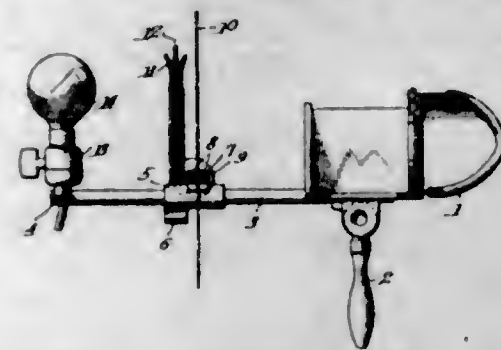
to engage either one of the dogs to actuate the resetting mechanism upon returning the steering wheel to a straight ahead position.

1,736,070. METHOD OF ABSORPTION. JULIAN A. CAMPBELL, Long Beach, Calif. Original applications Serial No. 46,974, filed July 30, 1925, and Serial No. 79,073, filed Jan. 4, 1926. Divided and this application filed Apr. 19, 1927. Serial No. 184,870. 1 Claim. (Cl. 183-114.6.)



In a process of treating gases or vapors by contact with liquid, continuously forming and maintaining a homogeneous body of froth in which the liquid is substantially wholly in the form of film surrounding bubbles of gas or vapor, the froth being continuously formed by introduction of both liquid and gas or vapor in intimate contact at the lower part of the froth body thus building up the froth body from its lower part, and continuously breaking up the froth and liberating the gas or vapor at the upper surface of the froth body at the same rate at which the froth is formed.

1,736,071. VIEW CHANGER FOR STEREOSCOPES. EDWARD P. CRESSLER, Newton, Kans. Filed Oct. 19, 1927. Serial No. 227,272. 6 Claims. (Cl. 88-31.)

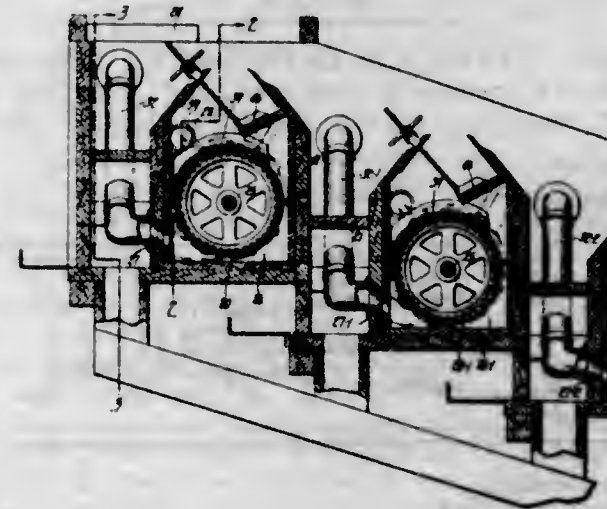


1. A view-changer for stereoscopes including a frame, sleeves slidably mounted in said frame, bearings on said sleeves, a pair of friction rollers journaled in said bearings, and means to rotate said rollers.

1,736,072. METHOD OF USING AMALGAMS. LIONEL H. DUSCHAK, San Francisco, Calif., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif., a Corporation of Nevada. Filed June 22, 1925. Serial No. 88,939. 1 Claim. (Cl. 75-18.)

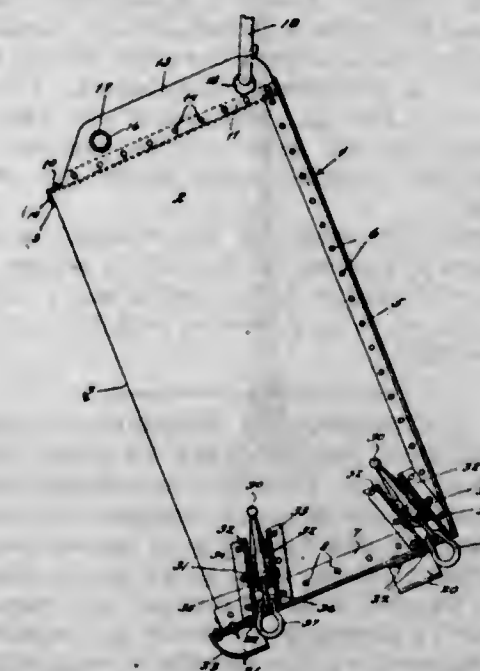
A method of effecting chemical reactions with amalgams which comprises mixing an alkali metal amalgam with a solution of the substance to be treated out of contact with any solid electrical conducting substance.

1,736,073. APPARATUS FOR CIRCULATING AND DISTRIBUTING FLOTATION PULP. WILLIAM FAGERGREN, Salt Lake City, Utah, assignor to Universal Engineering Company, Salt Lake City, Utah, a Corporation of Utah. Filed Nov. 9, 1927. Serial No. 232,164. 7 Claims. (Cl. 259-64.)



1. An apparatus for circulating flotation pulp comprising a rotatable barrel-type impeller, a housing for said impeller, a shield over said impeller, said shield having a cutting edge spaced apart from a wall of said housing, a baffle pivoted lengthwise along one edge thereof so the free baffle edge shall be movable towards or away from said cutting edge, an inlet for pulp directed substantially tangential and at right angles to the peripheral elements of the said impeller, and an outlet for tailings above said impeller.

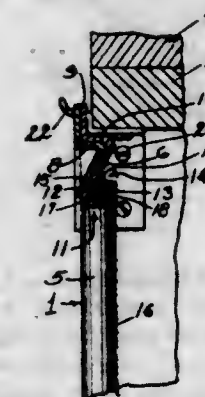
1,736,074. TRUCK BODY. ROBERT A. FONTAINE, Martinsville, Va. Filed Nov. 7, 1925. Serial No. 67,561. 15 Claims. (Cl. 294-83.)



1. Means for holding intact a stack of bricks during transportation, the bricks being carried by a conventional

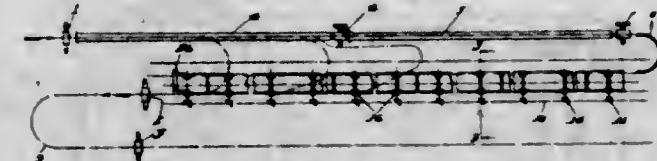
pallet, comprising a carrier having its front and bottom open adapted to be engaged upon and about the stack, and movable means for connecting the pallet to the body whereby the pallet will constitute a bottom closure.

1,736,075. METAL WINDOW SCREEN. ELMER T. GALLEY, Pasadena, Calif. Filed Sept. 1, 1927. Serial No. 216,814. 8 Claims. (Cl. 156-14.)



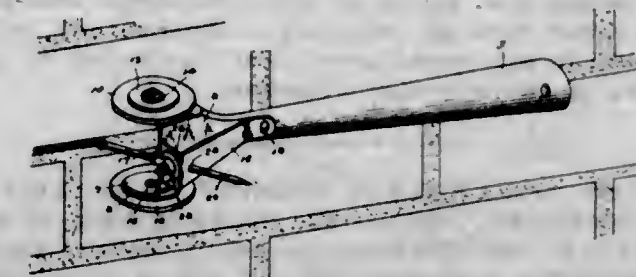
4. In combination with the mitered end of a stile and of a rail, each including in their sections a flange for overlying the face of a window frame; a rabbet for extension along the jamb of the window frame and a reversely bent margin forming a channel; of a corner plate covering the mitered ends of said frame members and sectionally shaped to conform therewith; said corner plate being spot welded to the mitered ends of the frame members.

1,736,076. ROLLING AND CONTROLLING THE TEMPERATURE OF HOT METAL STOCK. JEROME R. GEORGE, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 3, 1925. Serial No. 47,789. 10 Claims. (Cl. 80-42.)



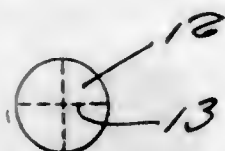
1. In the rolling and finishing of hot metal stock, the improvement which consists in successively introducing the advancing front end of each piece to alternating flattening and edging passes, contained in a series of juxtaposed staggered roll stands running successively in opposite directions and operable, when desired, as a "looping" mill, and exposing each piece, in extended position, prior to introducing its advancing front end to the final edging pass, to a predetermined period of cooling.

1,736,077. BRICK-JOINT RAKER. WILLIAM A. GOFF, Seattle, Wash. Filed Nov. 12, 1927. Serial No. 232,893. 1 Claim. (Cl. 72-188.)



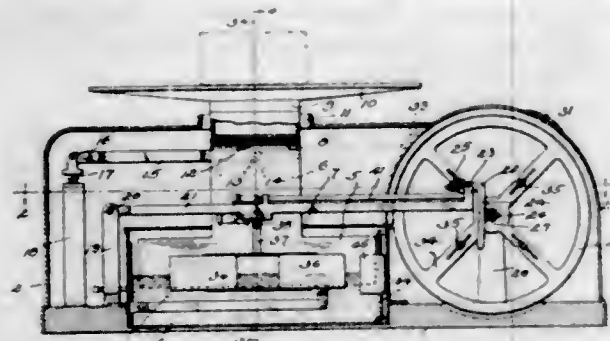
A brick joint raker comprising a handle, a body portion having bearing lugs, bearing members mounted in said lugs, wheels for said members, means for adjusting said wheels, a bridge portion for the forward end of said body having its end secured thereto, a rake member mounted in holes through said bridge and body, and screw eye-bolt securing and adjusting means for said rake member.

1,736,078. CARTRIDGE FOR USE IN MEDICINE-APPLYING MEANS. EARLE C. HAAS, Wray, Colo. Filed May 19, 1928. Serial No. 279,090. 3 Claims. (Cl. 128—272.)



1. As a new article of manufacture, a cartridge for use in a medicine applicator, comprising a cylindrical body, spaced retaining means in said body adjacent to the forward and rear ends thereof, and medicine in the body between said retaining means and displaceable from the body by means operable against the rearmost retaining means; the forward retaining means being displaceable by pressure directly exerted against it by said medicine.

1,736,079. SCALE. NATHAN A. HALLWOOD, Columbus, Ohio. Filed Oct. 15, 1927. Serial No. 226,342. 6 Claims. (Cl. 265—43.)



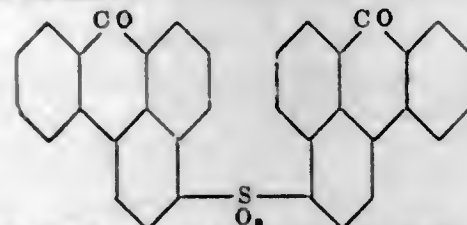
1. In a scale, a base provided with a liquid containing chamber, a weight receiver including a stem, a float connected with said stem and immersed in the liquid within said chamber, a pivoted check rod connected with said float and said base, a second check rod pivotally connected with said stem and said base, a second float arranged within said chamber and immersed in said liquid, said second float having no direct connection with said first named float, an indicating mechanism, and means operated by said second named float for effecting the operating of said indicating mechanism.

1,736,080. PROCESS FOR OPENING UP MATERIALS CONTAINING CELLULOSE. HEINRICH HELMANN and HERMANN SEEFRIED, Dessau in Anhalt, INFRIED PETERSEN, Wolfen, Kreis Bitterfeld, and ALFONS BAYERL, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Filed July 7, 1927, Serial No. 204,137, and in Germany July 21, 1926. 4 Claims. (Cl. 92—9.)

2. The process which comprises steaming a material containing cellulose and causing it then to be acted upon in the presence of air by a compound of the group comprising nitric acid, nitrous acid and oxides of nitrogen.

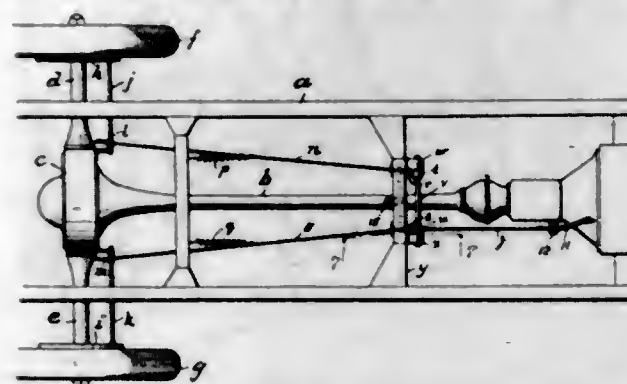
1,736,081. PROCESS OF PRODUCING VAT DYESTUFFS OF THE ISODIBENZANTHRONE SERIES. EDUARD HOLZAPFEL and OTTO BRAUNSDORF, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 16, 1926, Serial No. 155,331, and in Germany Dec. 18, 1925. 4 Claims. (Cl. 260—61.)

1. The process which comprises treating a compound of the general formula:



wherein the benzanthrone nuclei may be substituted and n stands for 1 or 2, with an alkaline metal hydroxide.

1,736,082. BRAKE FOR MOTOR-DRIVEN VEHICLES. HAROLD E. HOUSEMAN, Edge Moor, Del. Filed Aug. 12, 1927. Serial No. 212,393. 1 Claim. (Cl. 188—16.)



In a motor driven vehicle, in combination, two drive wheels, brakes thereon, rods connected with and adapted to operate the respective brakes, a shaft and two arms turnable therewith, a brake lever and connections therefrom adapted to swing said shaft and arms, and a brake selecting lever, said arms being maintained in operative relation with their respective brake rods when said brake selecting lever is centrally positioned, said brake selecting lever being movable to either side of its central position to effect a disconnection between either arm and its corresponding brake rod and thereby permit such arm to swing without moving its corresponding brake rod.

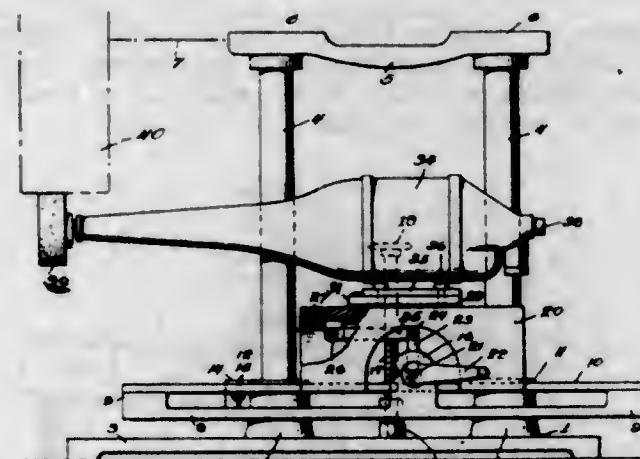
1,736,083. PROCESS OF PRODUCING FAST DYEINGS ON THE FIBER. THEODOR KIRCHHEISEN, Dessau in Anhalt, and JOHANNES GUERTLER, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Original application filed Jan. 21, 1927, Serial No. 162,673, and in Germany Jan. 23, 1926. Divided and this application filed Jan. 18, 1928. Serial No. 247,745. 6 Claims. (Cl. 8—5.)

1. A process for producing fast dyeings on the fiber which consists in treating the fiber with a mixture containing a compound adapted to be coupled and a nitrite, and then, after drying, with a solution containing a salt of a diazotizable base.

1,736,084. CONDENSATION PRODUCT OF THE ANTHRAQUINONE SERIES AND PROCESS OF MAKING SAME. GEORG KRÄNZLEIN and ROBERT SEDLMAYER, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 23, 1925, Serial No. 70,986, and in Germany Dec. 27, 1924. 7 Claims. (Cl. 260—61.)

1. Process of preparing condensation products of the anthraquinone series which consists in condensing at an elevated temperature a dibenzanthrone not substituted in the Bz2, Bz2' position with an organic acyl halide in presence of an acid reacting condensing agent.

1,736,085. DEVICE FOR REFACING BRAKE DRUMS, ETC. JOHN N. LINT and ROY M. COOK, Meyersdale, Pa. Filed Sept. 27, 1927. Serial No. 222,340. 1 Claim. (Cl. 51—166.)



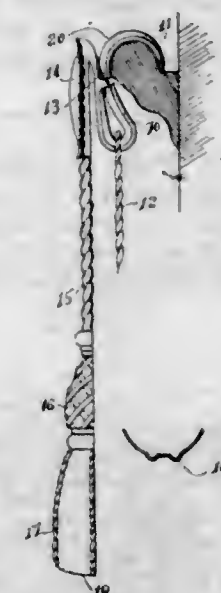
In a device for refacing brake drums on an automobile, a frame including a base, standards mounted on the base, a table slidable on the standards for vertical adjustment, a straight track on the table, a saddle connecting the upper ends of the standards and reinforcing them, the saddle having means for receiving the axle of an automobile, and said means being parallel to the track, a carriage movable along the track, a shaft and a dressing tool on the shaft, mechanism for mounting the shaft on the carriage for end-for-end reversal, whereby the dressing tool may be used to dress a drum at either end of a vehicle axle whilst the axle is supported on said means, mechanism for holding the shaft and the dressing tool with their axis of rotation parallel to said means, mechanism for raising and lowering the table to bring the periphery of the dressing tool against the periphery of the drum to be dressed, and mechanism for moving the carriage along the track to shift the dressing tool across the periphery of the drum to be dressed.

1,736,086. PUFFED-VALANCE RETAINER. ABNER L. MADSEN, Jr., Chicago, Ill., assignor of one-half to Robert G. Seelhoff, Chicago, Ill. Filed June 21, 1928. Serial No. 287,309. 7 Claims. (Cl. 156—13.)



4. A retainer for the series of folds in a puffed valance, comprising a pin adapted to be passed through such folds from one end of the series, and a plate at the opposite end of the series of folds and provided with means to anchor the corresponding end of the pin, such end of the pin being adapted to be extended from the plate through the valance and to be deflected to form a hook engageable in said anchoring means of the plate.

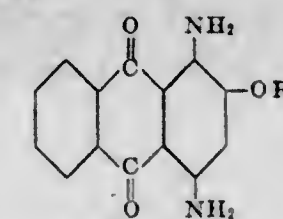
1,736,087. HANGER. ABNER L. MADSEN, Jr., Chicago, Ill., assignor of one-half to Robert G. Seelhoff, Chicago, Ill. Filed Sept. 10, 1928. Serial No. 304,902. 2 Claims. (Cl. 40—145.1.)



1. A picture hanger comprising a main hook section, a receptacle section at the bottom of the latter, an ornamental frontal section upwardly extended from the receptacle section, and means to clamp the frontal section to the hook section.

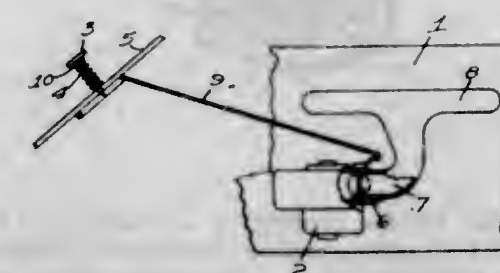
1,736,088. 1,4-DIAMINO-2-ALKOXY-ANTHRAQUINONE. PAUL NAWIASKY, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 20, 1927. Serial No. 185,359, and in Germany June 8, 1926. 7 Claims. (Cl. 260—58.)

1. As new articles of manufacture, alkyl ethers of 1,4-diamino-2-hydroxy-anthraquinones corresponding to the general formula



wherein R represents an alkyl group and wherein the amino groups may be substituted.

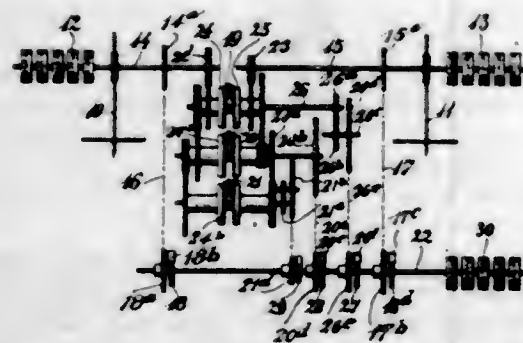
1,736,089. AUTOMOBILE CONTROL MECHANISM. PAUL G. PEIK, Chicago, Ill. Filed Apr. 22, 1927. Serial No. 185,869. 4 Claims. (Cl. 192—3.)



1. The combination with an automobile having a motor, wheels operatively connected to and adapted to be actuated by said motor, a carburetor for supplying fuel to said motor, a valve for controlling the flow of fuel from said carburetor to said motor, of a brake pedal, means op-

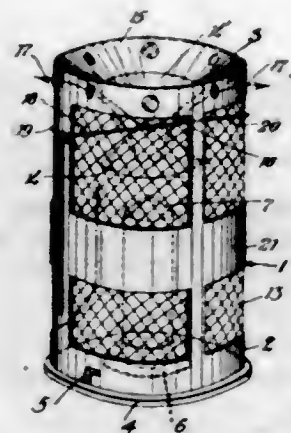
eratively connected to said brake pedal for actuating said valve for cutting off the supply of fuel from said carburetor to said motor, whereby the rotation of the wheels will be checked, due to their connection with the motor, a clutch pedal, and means carried by said clutch pedal and adapted to engage with said valve actuating means for moving said valve for allowing a predetermined amount of fuel to pass from said carburetor into said motor.

1,736,090. DEVICE FOR INDICATING APPARENT ENERGY CONSUMPTION. RICCARD PUDELKO, Zug, Switzerland, assignor to Landis & Gyr A.-G., Zug, Switzerland, a Swiss Firm. Filed Oct. 22, 1924, Serial No. 745,248, and in Switzerland Nov. 9, 1923. 21 Claims. (Cl. 171—34.)



15. A mechanism for measuring the apparent energy consumption in alternating current circuits including in combination a plurality of meters, a register, gearing from each meter to drive said register, gearing driven jointly by said meters, and connections whereby the fastest moving gearing will alternatively drive said register.

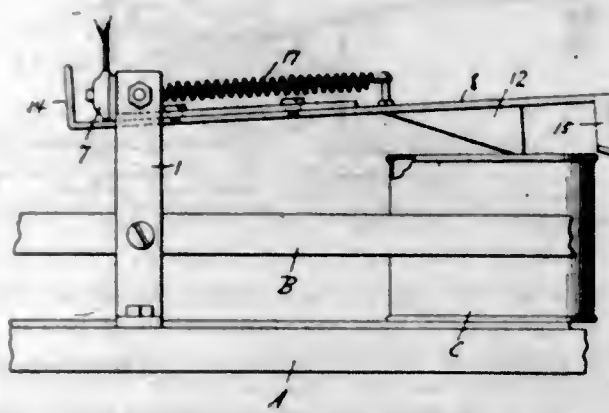
1,736,091. DEVICE FOR THE PRODUCTION OF SMOKE AND THE LIKE. ERICH RADEMACHER, Kahla, Germany. Filed Jan. 11, 1927, Serial No. 160,466, and in Germany Sept. 14, 1925. 2 Claims. (Cl. 167—3.)



1. A device for the production of smoke and the like, comprising in combination a cylindrical container, a bottom rim and a top rim for the said container, a transparent wire gauze covering a fumigating candle which is visible from all sides and is positioned in the device at a distance from the wire gauze covering, a bottom part for the device, a holder for the fumigating candle, a cap for intercepting and distributing the ascending smoke and heat of the candle, and means for lowering the said cap

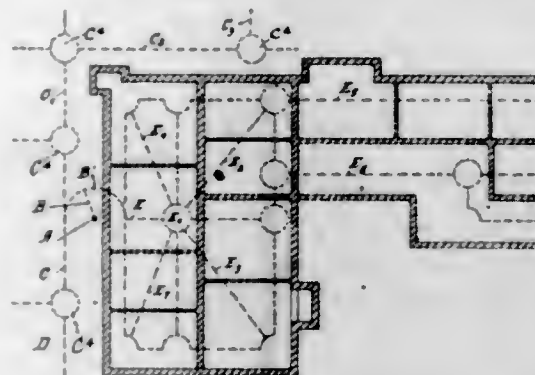
onto the fumigating candle in the longitudinal direction of the candle onto the latter for the purpose of extinguishing it, as set forth.

1,736,092. COMBINATION TRAP AND CIRCUIT CLOSER FOR CAN-SEAMING MACHINES. MARCELINO RIVERA, New York, N. Y. Filed Dec. 8, 1928. Serial No. 324,734. 2 Claims. (Cl. 113—14.)



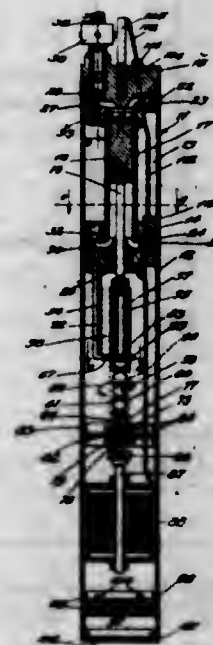
1. A trap for capless cans on the traveling tables of canning machines comprising a support, a pivotal member on said support, a feeler member on said pivotal member, and an arm on said feeler member for engaging and holding the capless can after the feeler has engaged within the same.

1,736,093. METHOD OF AND DEVICE FOR CONVEYING BUILDING MATERIALS. GUSTAV SCHLOSSER, Oberschoneweide, near Berlin, Germany. Filed June 16, 1926, Serial No. 116,459, and in Germany June 22, 1925. 3 Claims. (Cl. 104—91.)



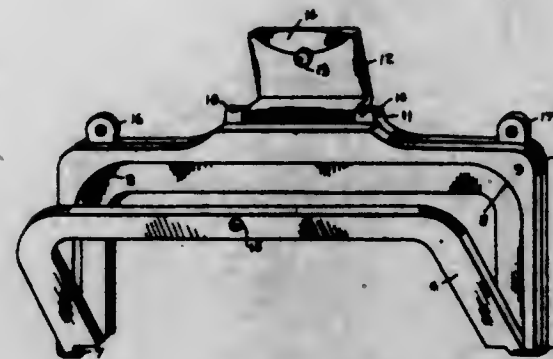
1. In a conveying system for use in conveying material from stations on the ground to stations on a building in construction, the combination of a track system on the ground and a track system on the building, load carriers adapted to run on the track systems, of a hoist for transferring the load carriers in either direction from and to such track systems consisting of a vertically movable element, a track section attached to the movable element, a guide for the movable element and a pivotal connection between the movable element and the track whereby the track section on the hoist can be swung in a horizontal plane to bring such track section into alignment with the track of either the ground track system or the building track system.

1,736,094. MOTOR-DRIVEN OIL-WELL PUMP. BENJAMIN F. SCHMIDT, Los Angeles, Calif., assignor of one-fourth to King C. Gillette and one-fourth to King G. Gillette, Los Angeles, Calif. Filed Dec. 9, 1924. Serial No. 754,870. 4 Claims. (Cl. 103—46.)



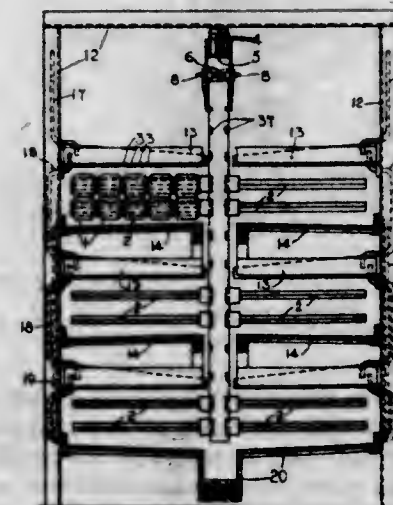
1. In a pump, the combination of: a shell arranged to be lowered into a well; a motor situated within said shell; a pump situated within said shell above said motor; reciprocating means connected between said motor and said pump for reciprocating the plunger of said pump; and means for placing a pressure inside said shell equal to the pressure outside said shell.

1,736,095. HAND-BAG CLASP. IRVING SCHMIDT, Brooklyn, N. Y. Filed July 19, 1928. Serial No. 293,846. 1 Claim. (Cl. 150—29.)



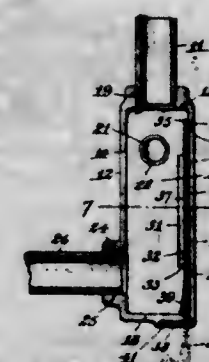
In a bag of the class described, an opening therefor, comprising a pair of pivoted jaws, one of the said jaws inset in one side of the other of the said jaws, a flap pivotally mounted upon said other jaw and engaging means for securing said flap to said inset jaw when in closed position, said jaws beveled from the outside inwardly and upwardly.

1,736,096. METHOD OF AND MEANS FOR WASHING AND CONDITIONING ARTIFICIAL SILK WOUND ON BOBBINS OR THE LIKE. FRIEDRICH WILHELM SCHUBERT, Apperley Bridge, near Bradford, England, assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Filed Mar. 15, 1927, Serial No. 175,556, and in Great Britain Mar. 29, 1926. 16 Claims. (Cl. 18—1.)



7. The method of washing artificial silk threads wound on bobbins comprising intermittently bodily moving a bobbin through a predetermined path and repeatedly applying washing liquid to the thread in the form of drops while the bobbin is stationary, during the intervals between such bodily movements.

1,786,097. GROUNDING BOX. JOSEPH J. SHICKLUNA, Buffalo, N. Y. Filed June 17, 1926. Serial No. 116,664. 11 Claims. (Cl. 247—15.)



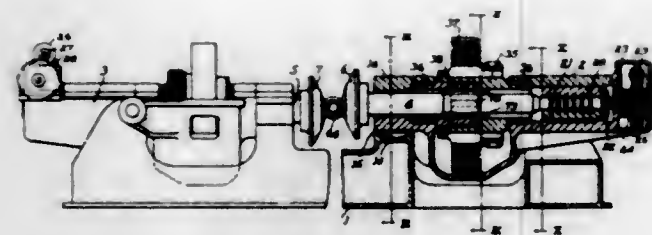
10. A fitting for conduit wiring, having an opening in one of its walls permitting access to wiring in the fitting and having other openings for the connection of conduits through which wires are to be passed, and a closure for said first-mentioned opening, said closure and fitting being provided with interengaging means permitting a movement of the closure relative to the fitting to close said opening, and further including means for locking said closure in closed position, accessible only through one of said other openings for unlocking said locking means.

1,736,098. ABRADING DEVICE. WILLIAM STEVER, Berlin, Germany, assignor to Behr-Manning Corporation, Troy, N. Y., a Corporation of New York. Filed June 25, 1927. Serial No. 201,506. 5 Claims. (Cl. 51-197.)



1. A device of the class described comprising a rotatable head having a substantially flat surface adapted to support a sanding disc, and a centrally disposed attaching device comprising a projecting centering hub portion and wings having free edges disposed on substantially opposite sides of said hub and arranged substantially radially with respect thereto, said wings being arranged on substantially opposite sides of said hub, and being movable toward and from the plane of said disc supporting surface, whereby to be lowered relative to said supporting surface upon association of the wings with a disc, said hub being adapted to fit within a central opening of a sanding disc and the edges of said wings being adapted to project into openings in the disc arranged on opposite sides of said central opening.

1,736,099. TUBE-FORMING MILL. RALPH C. STIEFEL, Ellwood City, Pa. Filed July 14, 1928. Serial No. 292,847. 4 Claims. (Cl. 80-13.)

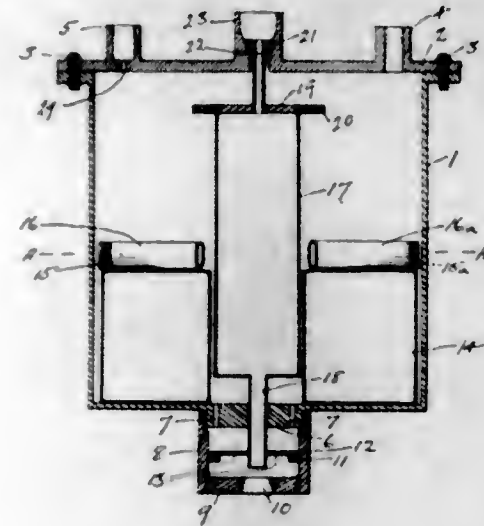


1. A tube forming mill, comprising a roll housing, a shaft provided at its ends with a cross roll and rotatably mounted in said housing, an annular driving member surrounding said shaft and rotatably mounted in said housing, and a ring arranged between and having floating engagement with said shaft and driving member for causing the shaft to rotate with the driven member and for compensating for misalignment of the shaft and driving member.

1,736,100. LIQUID-FEED SYSTEM. CHARLES LAWRENCE STOKES, Los Angeles, Calif. Filed Dec. 5, 1923. Serial No. 678,648. 9 Claims. (Cl. 103-236.)

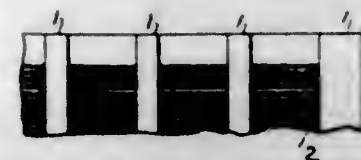
1. A vacuum tank including a main chamber having a port for applying suction continuously to said chamber, a

port for supplying liquid fuel, a port for supplying air, a port for discharging liquid fuel, a float in the chamber,



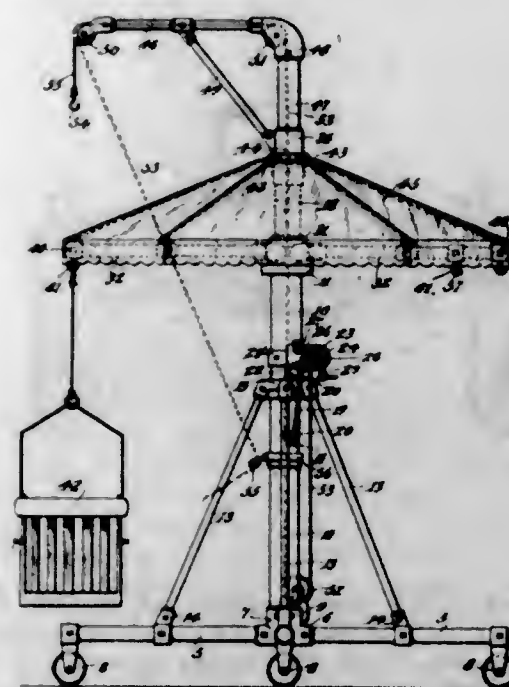
and means including mechanism actuated by the pressure in the chamber for creating alternations of vacuum and atmospheric pressure in the chamber.

1,736,101. STORAGE-BATTERY SEPARATOR AND RETAINER. WALTER B. STONE, Webster, Mass. Filed Sept. 16, 1926. Serial No. 135,761. 3 Claims. (Cl. 136-143.)



1. A storage battery separator and retainer comprising a one-piece body ribbed on one face and having slots ranging crosswise of the ribs and clear across the other face and extending into the ribs and through the portions between them, and porous material filling the slots.

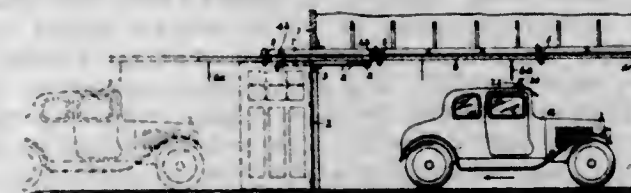
1,736,102. PORTABLE CRANE. DIETRICH C. STROMMEYER, St. Louis, Mo. Filed Dec. 31, 1928. Serial No. 329,366. 1 Claim. (Cl. 212-51.)



In a portable crane, a base, a tubular post extending upwardly from the base, a power drum at the upper end

of the post and having a gear on one end thereof, said post having a lateral opening, a tubular member extending into the post and having a gear on the lower end thereof, said gear being disposed opposite to the opening, a right angled arm at the upper end of the tubular member, a shaft secured to the post, a pinion at the lower end of the shaft for engagement with the gear on the tubular member, said pinion extending through the opening in the tubular post, a pivoted end section forming a part of the shaft, a pinion on the pivoted end section to mesh with the gear at one end of the power drum, a sleeve on the shaft adapted to slide over the pivoted end section to hold the pivoted end section in its active position, pulleys mounted within the tubular post and tubular member, a cable operating over the pulleys and extending through the post and tubular member, one end of the cable being wound on the power drum, and a lever on the power drum for operating the power drum.

1,736,103. CLOSURE-OPERATING MEANS. OSCAR VANDERZEE, Hawthorne, N. J. Filed Mar. 29, 1928. Serial No. 265,563. 3 Claims. (Cl. 268-62.)



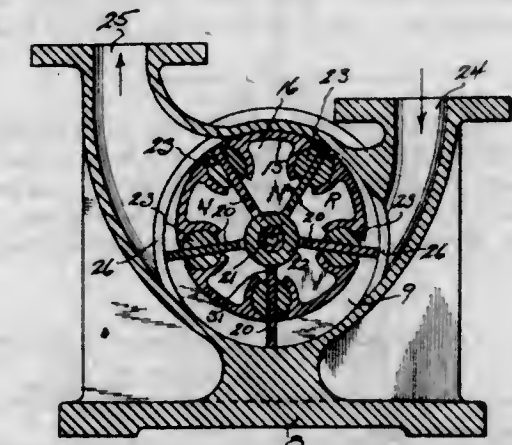
1. In combination, a support having a vehicle opening therethrough, a closure pivotally movable to close or leave open said opening, and means, including an actuator slidable back and forth in the support longitudinally of itself and confined to slide in a definite path lengthwise of the path of travel of a vehicle through the opening, and a link pivotally connecting the closure and actuator, for moving the closure to one of its open or closed positions, said link being substantially perpendicular to the actuator when the closure is open.

1,736,104. PILE EXTRACTOR AND THE LIKE. JAMES N. WARRINGTON, Los Angeles, Calif. Filed July 18, 1927. Serial No. 206,479. 17 Claims. (Cl. 61-76.)



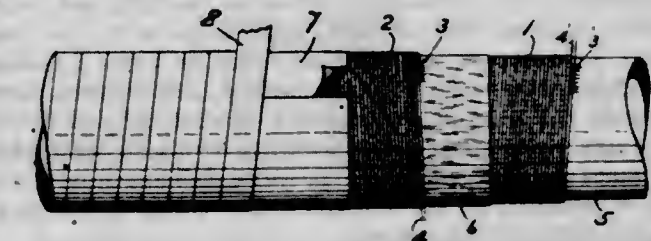
1. In combination with a pull line, a cylinder, a combination piston, valve and ram operating as a single, detached element therein, means for admitting an operating fluid to said cylinder to automatically operate said element as a ram to intermittently strike blows in the direction of the pull on said line and means for alternately directing said operating fluid against a small area of said element to return the same for each power stroke.

1,736,105. ROTARY PUMP OR MOTOR. JIM D. E. WASHINGTON, Kansas City, Mo., assignor of one-half to Dixon E. Washington, Kansas City, Mo. Filed Jan. 12, 1927. Serial No. 160,696. 3 Claims. (Cl. 103-144.)



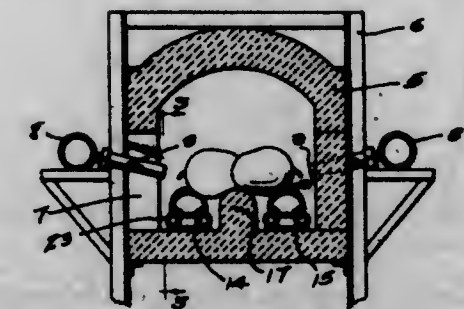
1. In a device of the general character set forth, a housing having a chamber formed therein, a hollow rotor mounted for rotation within said chamber, a piston assembly having a plurality of pistons contained within said rotor, side walls for said rotor and slots in said side walls, said pistons being hingedly interconnected at their inner ends, each projecting through corresponding slots in said walls and piston sealing means rotatably carried by said rotor and engaging said slots.

1,736,106. HOSE. FREDERICK B. WILLIAMSON, Jr., Elizabeth, N. J. Filed Sept. 30, 1927. Serial No. 222,978. 1 Claim. (Cl. 137-90.)



Hose having an inner tube of rubber material provided with a covering which includes two seamless tubular woven plies each having a textile warp and a metal weft, the metal weft in the plies being oppositely arranged, a wrapping of adhesive material applied to the woven plies, and an external spiral cover.

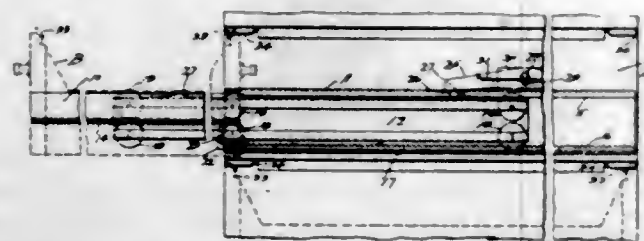
1,736,107. PIMIENTO ROASTER. AMOS IVAN ADDISON, Long Beach, Calif., assignor, by mesne assignments, to Stewart Curtis Packers, Inc., Los Angeles, Calif., a Corporation of Delaware. Original application filed Mar. 7, 1927. Serial No. 173,593. Divided and this application filed Feb. 15, 1928. Serial No. 254,339. 5 Claims. (Cl. 126-41.)



1. A device of the character described including an oven, heating means for said oven, a carrier chain dis-

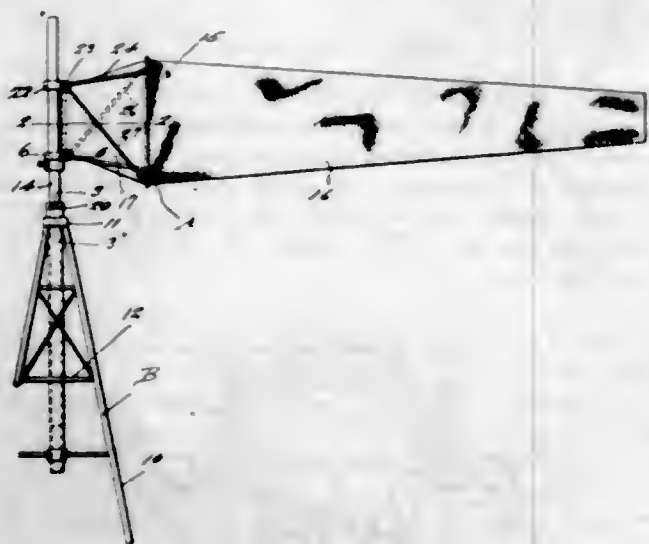
posed to travel through said oven, said carrier chain comprising links pivotally secured together and having outstanding arms, and spaced parallel guides in said oven adapted to slidably engage said outstanding arms thereby supporting and guiding said chain with the links depending between said guides, said guide means being adapted to be maintained at a temperature below that of said oven.

1,736,108. GUIDE SUSPENSION FOR DRAWERS AND OTHER MOVABLE ELEMENTS. GILBERT L. ANDERSON and RALPH F. BULLEN, Jamestown, N. Y., assignors to Art Metal Construction Company, Jamestown, N. Y. Filed Oct. 6, 1925. Serial No. 60,782. 12 Claims. (Cl. 45-77.)



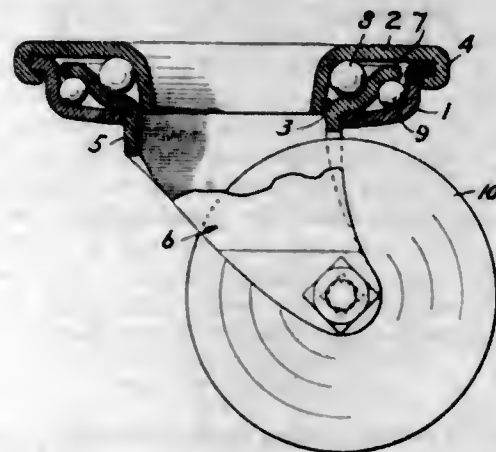
4. In a guide suspension for a movable element the combination of parallel movable toothed racks secured to said element at its opposite sides, a cooperating stationary toothed rack opposite and parallel to each of said movable racks, upper and lower stationary tracks at each side of said element, a track secured to said element at each side thereof between said upper and lower stationary tracks, an extension guide member at each side of said element movable relatively to said stationary and movable tracks, upper rollers journaled on said extension member at the ends and middle portion thereof and cooperating with said movable track and stationary upper track, lower rollers journaled on said extension member at the ends and intermediate portions thereof and cooperating with said stationary lower track and movable track to form a rolling extensible guide support for the drawer, and a pinion journaled on the intermediate portion of each of said extension supporting members and meshing with said stationary and movable toothed racks to cause simultaneous and equal movements of the extension supporting members at opposite sides of the drawer.

1,736,109. WIND CONE. JAMES S. BARTON, Hollywood, Calif. Filed Apr. 10, 1929. Serial No. 354,080. 6 Claims. (Cl. 116-174.)



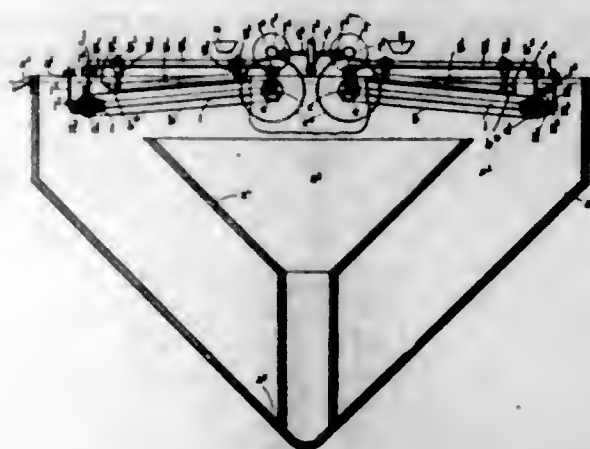
1. A wind cone for use in aviation fields comprising an elongated sleeve of flexible material, a support for the inner end of the sleeve, means for rotatably supporting the sleeve, and a wind fin of plane contour carried by said support.

1,736,110. BALL-BEARING CASTER. FRANK BREMER, Philadelphia, Pa., assignor to Nice Ball Bearing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 25, 1927. Serial No. 201,409. 1 Claim. (Cl. 16-21.)



A pressed metal ball bearing swivel caster comprising three tubular stampings of which two are dished and constitute a pedestal and are spaced apart and connected at the outer periphery by a lapped joint provided on the stampings and of which the third tubular stamping constitutes a yoke and is provided with arms projecting in one direction and with a flaring reversely curved annular flange projecting in the other direction and into the space provided between the first mentioned two stampings, two rows of balls disposed in said space and on opposite sides of said flaring flange, and a wheel mounted in said arms.

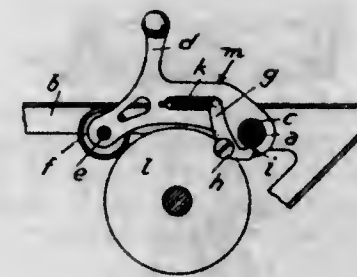
1,736,111. SEPARATION OF MINERALS AND OTHER SUBSTANCES. THOMAS MALCOLM DAVIDSON, Hatch End, Middlesex, England. Filed Sept. 14, 1926. Serial No. 135,454, and in Great Britain Sept. 21, 1925. 3 Claims. (Cl. 209-433.)



1. Apparatus for the treatment of minerals and other substances for washing and separation comprising an endless stratifying conveyor whose upper surface is inclined, a tank within which the said conveyor is disposed, the said tank being adapted to be filled with liquid to a level such that at least part of the said conveyor is immersed, means for reciprocating the said conveyor in a direction transverse to its upper surface, means for moving the upper surface of the said conveyor in an upward direction, means for feeding to the said conveyor the finely divided and coarser particles of the substance to be treated at a position where it is adapted to be immersed in the liquid contained in the tank and where the liquid is in a substantially undisturbed condition, comprising an inclined separating shoot having its lower part immersed in the liquid contained in the tank, the lower part having a transversely disposed end wall at the end of the said inclined

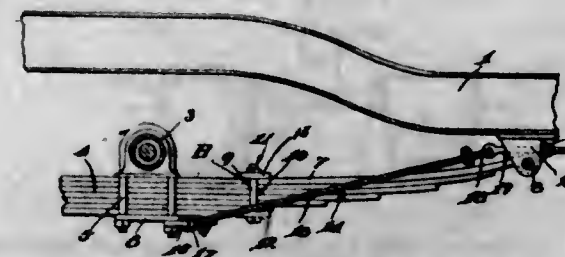
separating shoot adapted to serve as a weir and adapted for the discharge over it of a proportion of the finely divided particles, and an outlet near the front end of the said shoot adjacent the upper surface of the said shoot and adapted for the discharge of a substantial proportion of the coarser particles, and means for subjecting the said shoot to the same transverse reciprocation as the said conveyor, substantially as described.

1,736,112. PAPER HOLDER FOR TYPEWRITERS. LUDWIG DUNZER, Hamburg, Germany. Filed May 4, 1929. Serial No. 360,486, and in Germany Mar. 28, 1929. 3 Claims. (Cl. 197-138.)



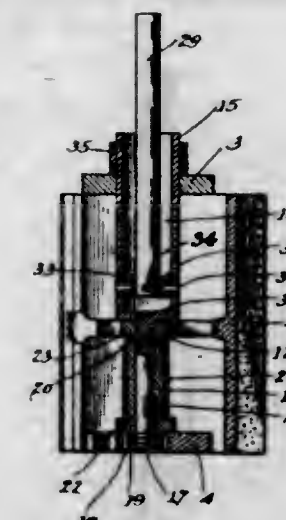
1. In a typewriter, the combination with a carriage frame and with a platen in said frame, of a bar arranged parallel to the platen and secured to the frame, a sleeve arranged rotatably on said bar, a pair of lever arms secured to said sleeve, a rod connecting the free ends of the arms, rollers arranged rotatably and slidably on said rod and adapted to be applied by means of the latter to the platen, and spring catches pivoted to the arms and formed with nose pieces which engage through slots in the sleeve in notches in the bar so as to maintain the rollers normally in contact with the platen, the edges of the notches being chamfered so as to cause the catches to be retracted when the arms are deflected for separating the roller from the platen.

1,736,113. TEMPORARY BROKEN-SPRING SUPPORT FOR MOTOR VEHICLES. KENT B. DOTSON, Los Angeles, Calif. Filed Aug. 17, 1926. Serial No. 129,709. 4 Claims. (Cl. 267-51.)



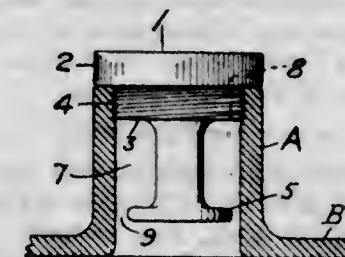
1. A spring support comprising, in combination, a vehicle frame having a bracket, an axle, a spring, bolts securing the same to the axle, means securing another part of the spring to the bracket, a flexible loop secured to the bracket, a cable having a plate secured to the bolts, a tightening bolt on the other end of the cable, and means engaging said bolt and the flexible loop.

1,736,114. HONE OR GRINDER. VICTOR J. EMERY, Alhambra, Calif. Filed Nov. 24, 1925. Serial No. 71,121. 11 Claims. (Cl. 51-184.4.)



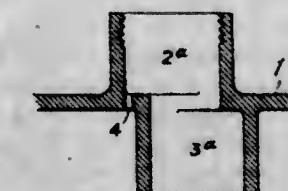
1. A cylinder grinder comprising in combination a cage having longitudinally extending grinding elements, said elements being movable inwardly and outwardly, a driving spindle operatively connected to said cage by a universal joint, said joint being wholly connected at substantially the mid length of the cage.

1,736,115. STORAGE-BATTERY COVER. BRUCE FORD, Philadelphia, Pa. Filed June 30, 1925. Serial No. 40,492. 2 Claims. (Cl. 136-177.)



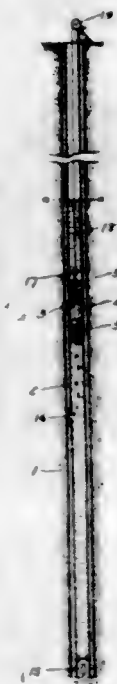
1. A stopper for storage battery covers comprising two heads of which one is a closure and baffle head and of which the other is a baffle head, and is of less effective area than the closure and baffle head, and a stem holding said heads in spaced relation to provide an expansion chamber space between them, the closure and baffle head provided with a vent opening from said chamber space past the closure and the other of said heads providing an annular inlet to the expansion chamber space restricted in area in respect to the area of the expansion chamber space.

1,736,116. FILLING-VENT STRUCTURE FOR STORAGE BATTERIES. BRUCE FORD, Philadelphia, Pa. Filed Mar. 29, 1926. Serial No. 98,317. 2 Claims. (Cl. 136-177.)



1. A filling vent structure for storage batteries including a horizontal cover, intercommunicating chambers having imperforate bounding walls and arranged in offset relation to each other and of which one is above the cover and of which the other is below the cover, and a vertical vent duct perforating the offset portion whereby the interior of the upper chamber is connected with the exterior of the bottom chamber.

1,736,117. METHOD AND APPARATUS FOR LOCATING LEAKS IN WELL PIPING. PAUL H. GRANOER, Los Angeles, Calif. Filed Dec. 28, 1927. Serial No. 243,086. 6 Claims. (Cl. 137-77.)

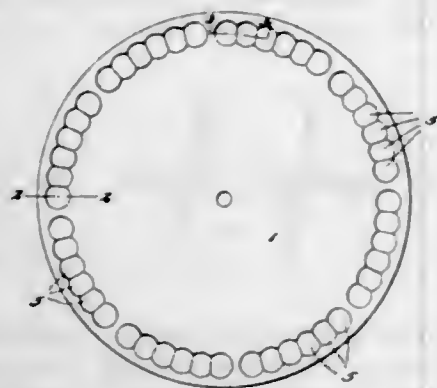


1. The method of locating leaks in well tubing in a well hole which comprises sealing the lower end of the tubing, introducing into the tubing a movable well-plugging means, causing said plugging means to descend by weighting the same, so as to permit efflux of liquid through the leak until the plugging means reaches the leak and is arrested by the column of liquid below the leak, and measuring the distance from the top of the well hole to the plugging means in such arrested portion.

1,736,118. METHOD AND MEANS FOR SELECTIVELY CONTROLLING METAL-PICKLING BATHS. JAMES H. GRAVELL, Elkins Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a Corporation of Delaware. Filed July 16, 1927. Serial No. 206,387. 13 Claims. (Cl. 148-8.)

1. The method of reinforcing the selective control effects of thioamides in a pickling bath which comprises causing a thioamide in the pickling bath to exert its selective control effect in the presence of a dispersing substance that will reinforce the selective control effect of the said thioamide.

1,736,119. LENS MOUNTING. JAMES BEATY GRIFFITH, Washington, D. C. Filed Apr. 13, 1927. Serial No. 183,389. 3 Claims. (Cl. 82-22.)



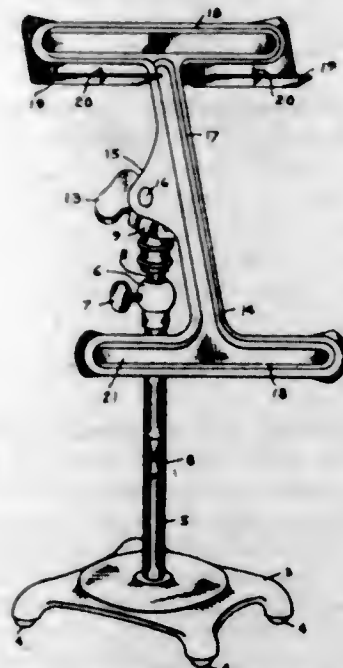
1. An instrument for examining the eye comprising a lens support having a plurality of zonoid lenses of different diopter power mounted therein with straight side edges, the side edges of said lenses being in immediate

juxtaposition whereby in a support of convenient size a series of optical lenses may be mounted, each lens differing in strength from those adjacent to it by any desired fraction of a diopter.

1,736,120. MOLYBDENUM ALLOY OF IRON AND STEEL. ALAN KISSOCK, Forest Hills, N. Y. Filed Nov. 15, 1927. Serial No. 233,521. 3 Claims. (Cl. 75-1.)

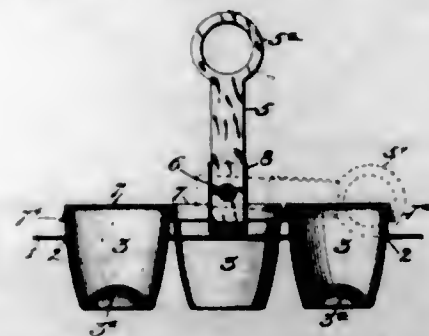
1. An alloy to be used for alloying molybdenum with steel or iron comprising a molybdenum-bearing pig iron, the molybdenum content thereof being less than fifty per cent.

1,736,121. DISPLAY DEVICE. MAURICE A. KONIKOFF, and HARRY R. KONIKOFF, New York, N. Y. Filed May 27, 1926. Serial No. 111,901. 1 Claim. (Cl. 211-37.)



In a device of the class described, an integral I shaped stamping and a stand therefor, said stamping having an embossing substantially I shaped in plan view following the contour of said integral shape, the lower portions of the upper arms of said stamping bent outwardly forming ledges.

1,736,122. EGG-BOILING CUP. HELEN SOPHIA LA DUKE, Iron Mountain, Mich. Filed Nov. 16, 1928. Serial No. 319,941. 2 Claims. (Cl. 53-1.)

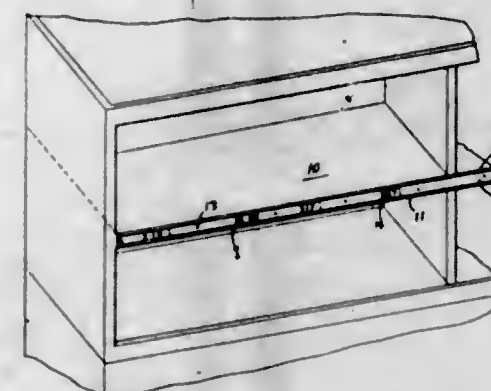


2. An egg cup having its lower portion arranged to be submerged in boiling water, and having its bottom externally formed into an air recess for insulating the bottom of the cup against the rising column of heat during the initial boiling process.

1,736,123. PRICE-TAG-SUPPORTING STRIP. ALEXANDER B. MCINTYRE, Pasadena, Calif., assignor to Arlon B. Monell, Pasadena, Calif. Filed Mar. 14, 1928. Serial No. 261,689. 1 Claim. (Cl. 40-16.)

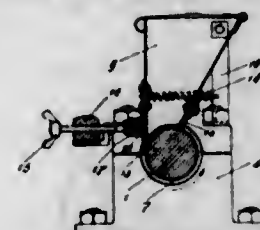
A device for displaying prices of goods upon shelves comprising a strip adapted to be secured to the forward

edge of a shelf and extend a material distance along the length thereof, said strip having a downwardly and outwardly extending flange at the top thereof and an upwardly and outwardly extending flange at the bottom thereof, a price tag formed of initially flat resilient flexible material which is slightly greater in height than the distance between the bases of the flanges and which is



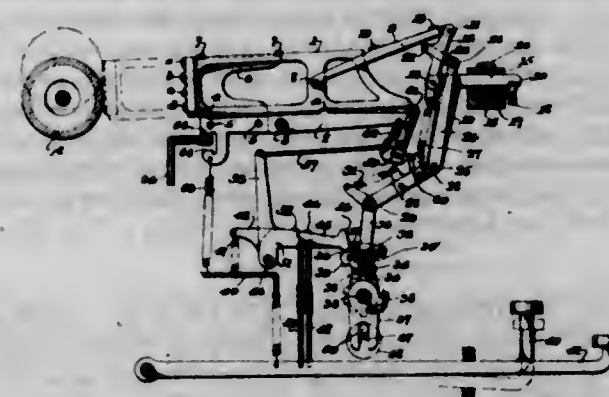
flexed and caused to assume a position between the flanges bowing outwardly therebetween, said flanges being so formed as to fit against the forward face of the price tag to control its bowed shape and form bearing surfaces against which the top and bottom of the price tag may bear.

1,736,124. MACHINE FOR SPREADING GRANULAR MATERIAL. JOHAN HENDRIK MEIJER, Rotterdam, Netherlands. Filed Dec. 16, 1927. Serial No. 240,419, and in the Netherlands Oct. 15, 1927. 3 Claims. (Cl. 221-130.)



1. A machine for spreading, strewing or dredging granular, pulverulent or like material, comprising a rotatable roll and a strip of flexible material maintained at an adjustable distance from said roll, a supply hopper pivotally suspended above said roll, and adjustment means for angularly displacing said hopper about its axis of suspension and relative to said roll, the leading wall of said hopper in the direction of rotation of the roll carrying the said strip of flexible material.

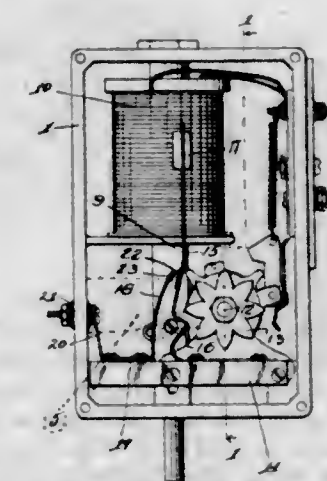
1,736,125. TYPEWRITING MACHINE. WILLIAM O. MICHELSEN, Woodhaven, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 22, 1927. Serial No. 227,997. 14 Claims. (Cl. 197-25.)



14. A type action comprising a type bar mounted for sliding and tilting movement, means for giving the type

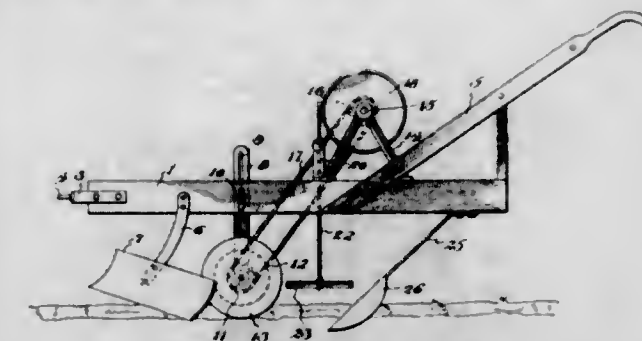
bar its sliding movement comprising a lever, power operating means, a plurality of keys for connecting said power operating means to said lever, means for giving the type bar its tilting movement, and means operated by one of said key levers for connecting this means to said lever.

1,736,126. IGNITION DEVICE FOR FUEL-SUPPLY DEVICES. SIDNEY G. MILLER, Los Angeles, Calif. Filed Feb. 11, 1926. Serial No. 87,717. 9 Claims. (Cl. 175-115.)



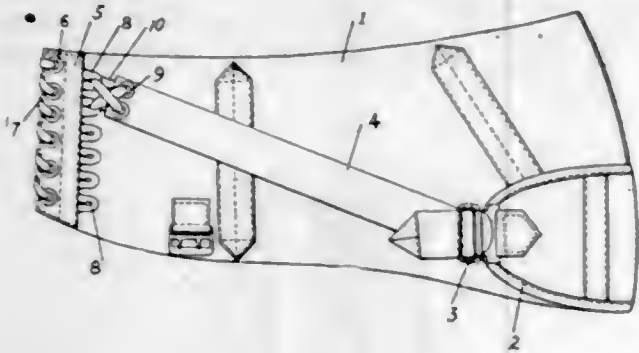
1. An ignition device comprising in combination a gas burner, a spark plug adjacent thereto, a gas valve to control the gas to the burner, a mechanically actuated vibrating electric make and break device operated directly mechanically by the gas valve and an operative electrical connection from the electric make and break device to the spark plug.

1,736,127. COTTON CHOPPER. CHARLES E. MORRIS, Little Rock, Ark. Filed Oct. 19, 1927. Serial No. 227,280. 1 Claim. (Cl. 97-19.)



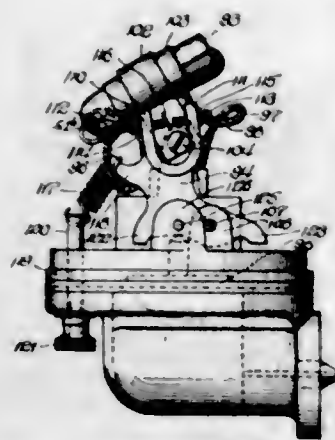
A cotton chopper comprising a frame having spaced side bars, scrapers suspended from said side bars beneath the forward portion of the frame and having blades diverging rearwardly, hangers secured against said side bars rearwardly from said scrapers and adjustable vertically, a shaft rotatably carried by the lower ends of said hangers, rollers fast upon said shaft behind the scrapers and tapered toward their inner ends, bearing brackets secured to said side bars and extending upwardly therefrom behind said hangers, a cam wheel between the side bars having a shaft carried by the bearing brackets, said wheel having its peripheral face formed with a track composed of extended parallel portions and diagonal portions, means to rotate the wheel shaft from the roller carrying shaft, a yoke secured to said side bars and extending transversely of the frame in front of said wheel, and a chopper back of the roller having a handle extending vertically between the side bars and pivoted in spaced relation to its upper end to the yoke for swinging transversely of the frame behind the rollers, the upper end of the handle having a finger extending rearwardly therefrom and received in the track of said wheel to control swinging of the chopper.

1,736,128. OBESITY BELT. ISAAC M. PRASE, Cincinnati, Ohio, assignor to The Ohio Truss Company, a Corporation of Ohio. Filed Jan. 3, 1928. Serial No. 244,113. 1 Claim. (Cl. 2-41.)



A belt of the character described comprising an abdominal band constructed of elastic material, said band being open at the back, stiffening elements secured near the back ends of said band, a series of loops secured along a stiffening element near each of said ends, non-elastic straps, each of said straps being provided with eyes whereby it may be selectively secured to desired loops, a buckle for each of said straps, said buckles being secured to the lower front portion of said band, whereby the straps may be adjustably tensioned around the sides of the band, and means for lacing together the back ends of the band.

1,736,129. ELECTRICAL SWITCH. LOUIS A. M. PHELAN, Beloit, Wis., assignor, by direct and mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind., a Corporation of Maryland. Filed Dec. 1, 1922. Serial No. 604,162. 18 Claims. (Cl. 200-83.)

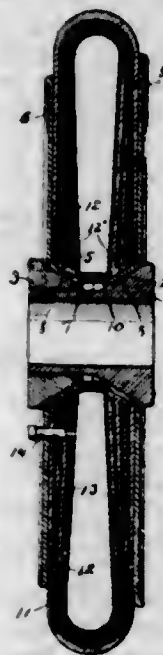


1. An electric switch comprising a contactor tube with cooperating electrodes to open and close an electric circuit, a tiltable holder for said contactor, a tiltable actuator for tilting said holder and contactor, expansible and contractible means upon which said actuator floats and which serves to move said actuator, and adjustable means for biasing the position of said actuator occasioned by said expansible and contractible means.

1,736,130. VEHICLE WHEEL. JOSEPH POISSANT DE CLOUD, Kansas City, Mo. Filed Dec. 29, 1926. Serial No. 157,685. 4 Claims. (Cl. 152-29.)

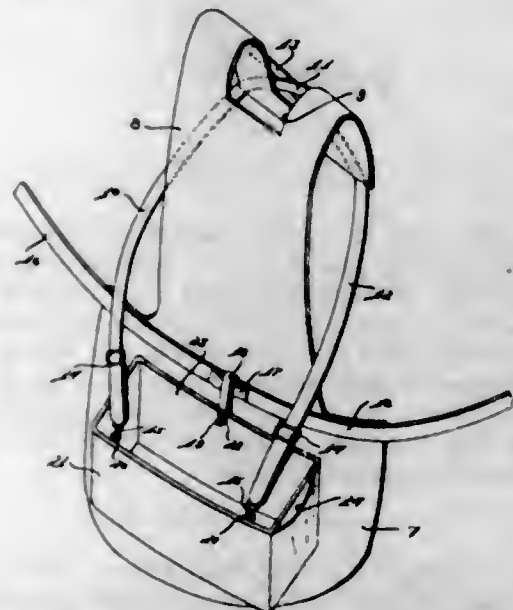
2. In a vehicle wheel, a hub comprising two tubular members having threaded engagement with each other and

having each an inwardly converging peripheral surface, and two clamping plates respectively fitted on said con-



verging surfaces and adapted to be forced toward each other by said members, and adapted to clamp between them an annular resilient tire.

1,736,131. BASKET AND SUPPORTING APRON THEREFOR. VIOLA M. REECE and BONNIE ARMSTRONG, Detroit, Mich., assignors of one-half to Thomas L. Thomson, Detroit, Mich., and one-fourth to said Viola M. Reece. Filed Feb. 20, 1928. Serial No. 255,554. 1 Claim. (Cl. 224-5.)

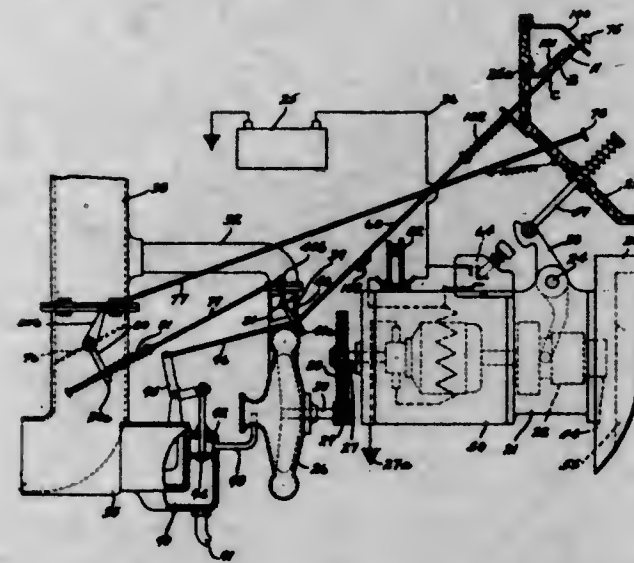


An apron of the class described, comprising: a main body portion; a bib portion projecting from said main body portion and having an opening formed adjacent its upper end; a pair of flexible straps, each extending diagonally across the upper end of said opening and secured to said bib portion; a belt secured to said main body portion for extending around the body of the wearer; a strap secured to said main body portion, centrally of said belt; a hook on said strap; a hook on the free end of each of said flexible straps; and a pocket mounted on the forward side of said body for reception of said hooks when not in use.

1,736,132. ENGINE-STARTING APPARATUS. EDWARD V. RIPPINGILLE, Detroit, Mich., assignor to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 14, 1927. Serial No. 205,781. 8 Claims. (Cl. 123-179.)

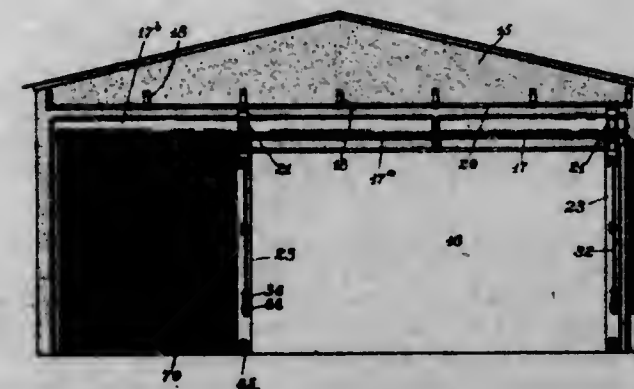
1. A fuel supply device for an internal combustion engine comprising in combination, a carburetor adapted to

deliver the main fuel supply to the engine; a super-charger adapted to deliver an auxiliary fuel supply to the engine; a starting motor having a constant driving connection with the super-charger and a disengageable connection with the



engine; means for connecting the starting motor with the engine and for causing it to operate to rotate both engine and super-charger; and means for causing the motor to operate to rotate the super-charger alone.

1,736,133. DOOR FOR HANGARS AND OTHER STRUCTURES. ALBERT RUSH, Columbus, Ohio, assignor to The Kinneer Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Nov. 12, 1927. Serial No. 232,775. 5 Claims. (Cl. 189-57.)

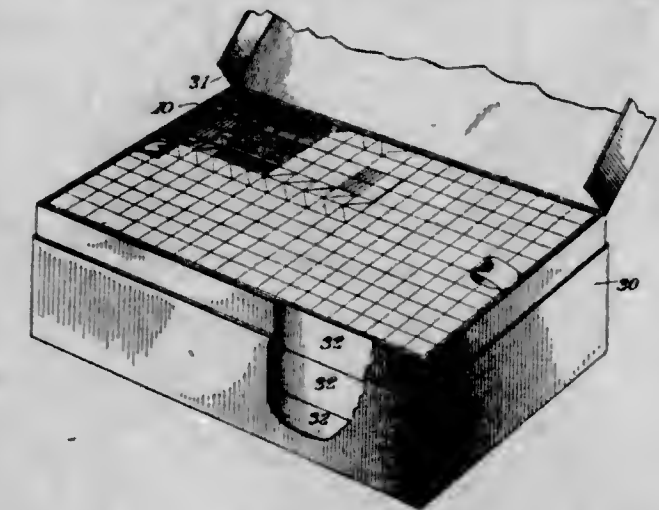


1. In combination with a structure provided with a plurality of rolling doors, brackets supporting the doors, means for operating the doors including a clutch member, a post having a guide for a margin of one of said doors, means for supporting said post permitting it to be slid laterally into and out of margin-guiding position, said post having a clutch member for cooperation with the first mentioned clutch member, and means on the post for operating said clutch member and causing the operation of the door.

1,736,134. TOY BUILDING BLOCK. JOHN RUTHERFORD, Slingerlands, N. Y., assignor to The Embossing Company, Albany, N. Y., a Corporation of New York. Filed Mar. 25, 1927. Serial No. 178,191. 1 Claim. (Cl. 40-35.)

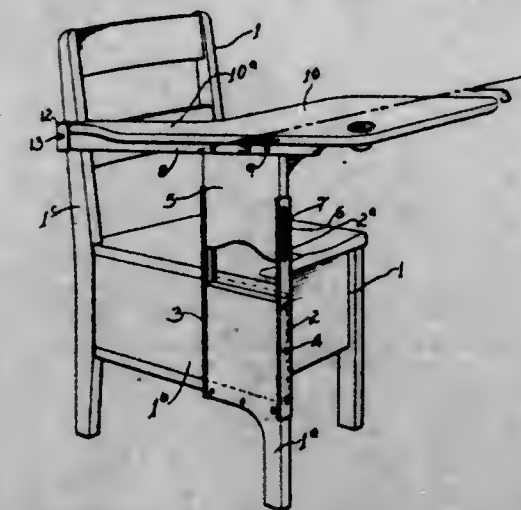
A building-block outfit for making toy buildings, comprising whole-story building-sections of uniform basic-cube

size, half-story building-sections of trapezoidal cross-section, each a proper fraction of the basic cube and having a surface inclined relative to the outer surfaces, attic-sections of right-angled triangular cross-section, each a proper fraction of the basic cube, roof-sections of right-angled triangular cross-section, each a proper fraction of the basic cube but smaller than the attic-sections, foundation-sections square in plan and rectangular in cross-section,



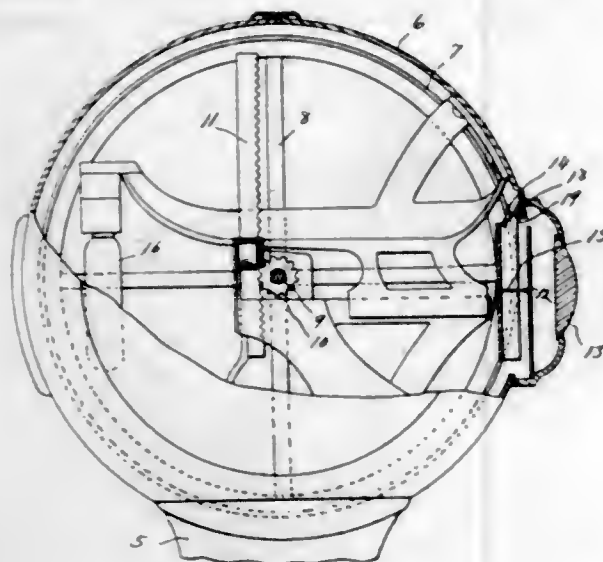
each a proper fraction of the basic cube, and chimney and pillar sections square in cross-section, each a proper fraction of the basic cube, various sections having on appropriate surfaces picture-representations of building features, including doors and windows; whereby miniature buildings of realistic appearance and proportions can be constructed, having doors, windows, porches, chimneys, and roofs, differing in ground-plan and number of stories.

1,736,135. COMBINATION SCHOOL DESK AND CHAIR. PAUL SCHIEFER, San Diego, and ROBERT W. GETTY, National City, Calif. Filed Sept. 24, 1925. Serial No. 58,807. 4 Claims. (Cl. 155-128.)



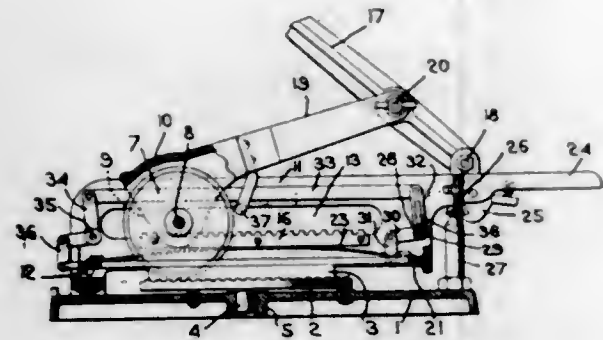
1. In an article of furniture of the class described, a chair structure having an upwardly extending portion at its back side, a desk member having an arm supporting portion at its one side and extending backwardly from the main desk portion thereof, said arm supporting portion being pivotally connected at its rear end to the upwardly extending portion of the chair structure, and spaced apart desk supporting members, fixed at one of their ends to the chair structure and yieldable at their opposite ends in the direction of a plane passing through both, bracket means secured to the forward portion of said desk member and means adjustably supporting said bracket between the yieldable ends of said desk supporting members for supporting the forward portion of said desk member in vertically and tiltably shiftable relation to said chair structure.

1,736,136. COMPUTING SCALE. RICHARD L. SCHUMANN, Louisville, Ky., assignor to Walter F. Stimpson, Louisville, Ky. Filed Sept. 4, 1928. Serial No. 303,850. 13 Claims. (Cl. 116-129.)



1. In a scale of the character described, having a revoluble cylinder bearing weight and value indications thereon and a stationary indicator adjacent but spaced from the cylinder, a stationary sight guide chart bearing a marker all parts of which are in horizontal alignment with said indicator, but portions of the marker are spaced further from the indicator than other portions thereof.

1,736,137. MEAT-TENDERING DEVICE. JOSEPH P. SPANG, Quincy, Mass. Filed Aug. 11, 1928. Serial No. 298,980. 4 Claims. (Cl. 17-27.)

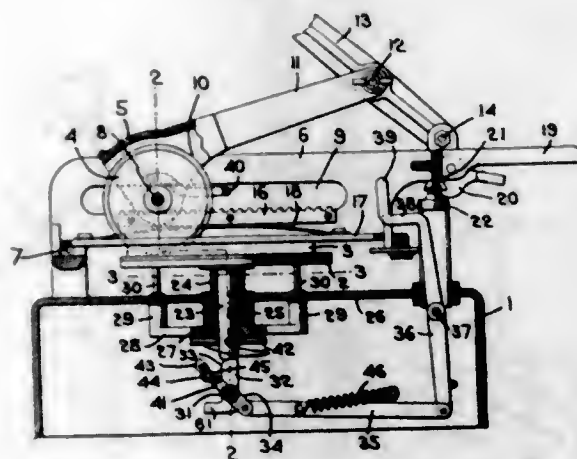


1. In a meat-tendering device, the combination with a bed frame, of a meat-supporting turntable thereon, a knife carrier, a head mounted to reciprocate in the knife carrier, a plurality of knives carried by said head, a combined clamping and stripping member yieldingly clamping the meat against the turntable, and means actuated by the head as it approaches the end of its movement to raise the combined clamping and stripping member thereby to relieve the clamping pressure on the meat so that the turntable may be manually turned.

1,736,138. MEAT-TENDERING DEVICE. JOSEPH P. SPANG, Quincy, Mass. Filed Aug. 14, 1928. Serial No. 299,532. 6 Claims. (Cl. 17-27.)

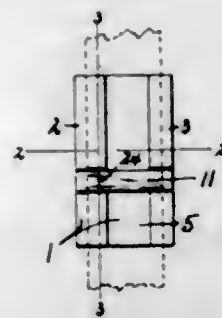
1. In a meat-tendering machine, the combination with a frame, of a meat-supporting turntable mounted thereon,

a knife carrier carried by the frame, a gang of knives supported thereby, means to move the knives back and



forth across the table, and means actuated by the movement of the knife carrier to give the turntable a turning movement.

1,736,139. REPRODUCING APPARATUS. EARL I. SPONABLE, New York, N. Y., assignor to Fox-Case Corporation, New York, N. Y., a Corporation of New York. Filed July 27, 1927. Serial No. 208,759. 6 Claims. (Cl. 179-100.1.)

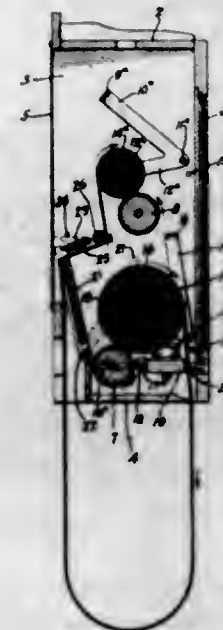


4. An apparatus for producing a photographic record of light wave variations corresponding to sound wave variations comprising a base having longitudinal tracks separated by a longitudinally depressed portion, said base provided with a laterally disposed recess extending across the depressed portion of the base and into the track portions a distance sufficient to permit its projection upon opposite sides of a film moving over said tracks, and a slit unit having an outer surface convex longitudinally of said tracks secured in said recessed portion and extending upon opposite sides of a film moving over said base, said slit unit contacting and being a support for the film.

1,736,140. TOWEL CABINET. GEORGE A. STEINER and JAMES EVANS, Salt Lake City, Utah, assignors to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Dec. 10, 1925. Serial No. 74,544. 4 Claims. (Cl. 212-38.)

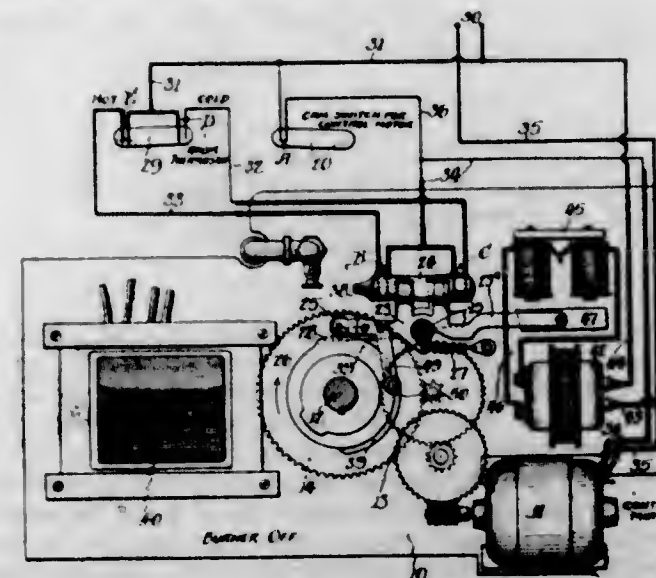
1. A towel cabinet comprising a casing having an opening and door therefor, feed rolls having roughened surfaces mounted in said cabinet and having a driving connection between them, a yoke having side bars pivotally supported on the walls of said casing adjacent one of said feed rolls and adapted to swing outwardly through the opening in said cabinet when said door is open to separate a towel roll from a feed roll said yoke having arms

projecting outwardly said arms being connected by a bar and a towel roll having bearings on said arms and adapted to receive and support a supply of clean towel, said towel



roll being so positioned with respect to one of said feed rolls that the clean towel supply will have frictional contact therewith when said yoke is swung to its normal working position within the cabinet.

1,736,141. SAFETY CONTROL DEVICE. GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor to Sundstrand Engineering Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 18, 1926. Serial No. 95,541. 18 Claims. (Cl. 236-1.)

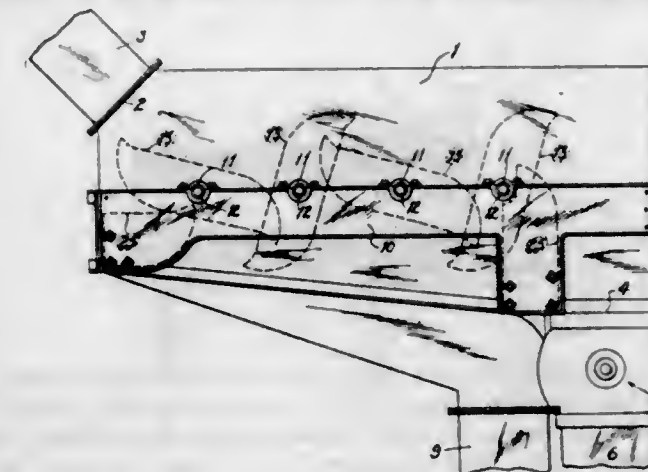


1. In an oil burner control device for automatically starting and stopping an electrically operated oil burner, in combination, an electromagnet adapted to be energized during the period of burner operation, an armature releasably held by said electromagnet, a switch arranged to be closed upon release of said armature by a failure of energizing power, said switch being adapted on return of power to cause the control device to stop the burner whereby the automatic control device may in its normal manner restart the burner, and a cam associated with said device to move the armature into the pick-up range of said magnet on re-starting the burner.

1,736,142. MACHINE FOR CLEANING COTTON. HOMER E. TOMLINSON, Malden, Mo. Filed June 8, 1928. Serial No. 283,258. 7 Claims. (Cl. 19-93.)

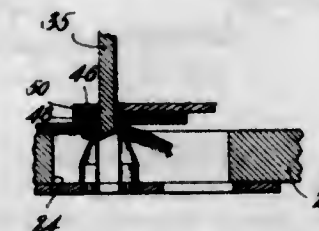
1. A machine for cleaning seed cotton comprising a casing, a plurality of transverse series of spaced parallel

members of greater length than width each of which extends above and below an axis of rotation, said members being mounted to rotate in continuous interposed relation to each other and extending from an inlet



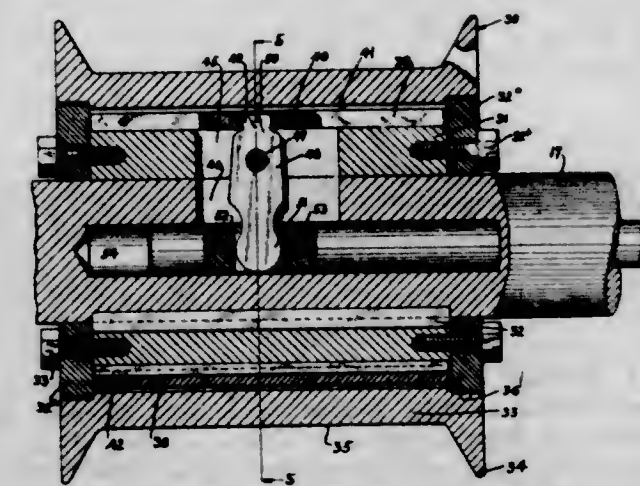
to an outlet in said casing, means for simultaneously and uniformly rotating all of said series of members, and means for creating a blast of air through said inlet and through the spaces between said members.

1,736,143. CUTTING MACHINE. JOSEPH M. TOWNSEND, Worcester, Mass., assignor of one-half to Hiram T. Folsom, South Hamilton, Mass. Filed Jan. 17, 1928. Serial No. 247,315. 7 Claims. (Cl. 164-50.)



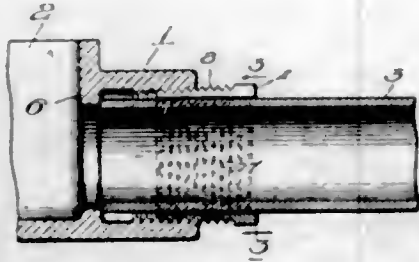
1. In a machine of the character described, a frame, a movable cutter on said frame, a shearing member composed of spaced pointed elements directly cooperative with said cutter and adapted to support the material to be cut.

1,736,144. DRUM CONSTRUCTION. JAMES B. TRIPLETT, Long Beach, Calif. Filed Sept. 30, 1925. Serial No. 59,560. 6 Claims. (Cl. 254-187.)



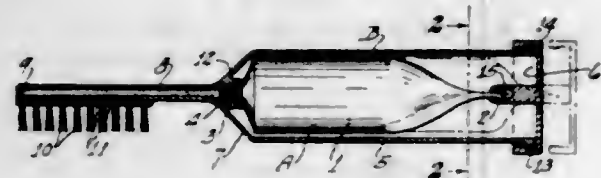
1. In a device of the class described, a line shaft having an aperture therein, means to drive said line shaft, a drum mounted to rotate freely about the line shaft, means within the drum to clutch the drum to the line shaft, said clutch means comprising a split collar, means in said aperture for controlling the first mentioned means, said controlling means comprising a member engaging the edges of the split collar and movable longitudinally along the collar to expand the same.

1,736,145. FASTENING FOR THREADLESS PIPES. ERNST G. K. ANDERSON, Evanston, Ill., assignor to Appleton Electric Company, a Corporation of Illinois. Filed Apr. 20, 1928. Serial No. 271,457. 2 Claims. (Cl. 247—25.)



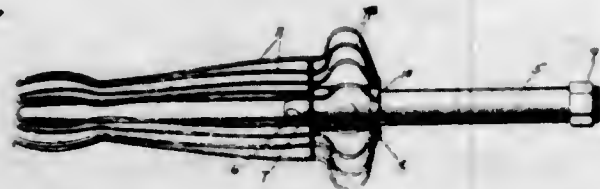
1. In combination, an internally screw-threaded member, a threadless pipe extending into said member, and a tapered split sleeve surrounding said pipe and adapted to be screwed into said members, said sleeve having on the interior means to bite into the pipe along a spiral of the same pitch as the screwthreads on the sleeve.

1,736,146. DISPENSER. BENJAMIN ANSEHL, St. Louis, Mo. Filed May 16, 1927. Serial No. 191,751. 2 Claims. (Cl. 221—60.)



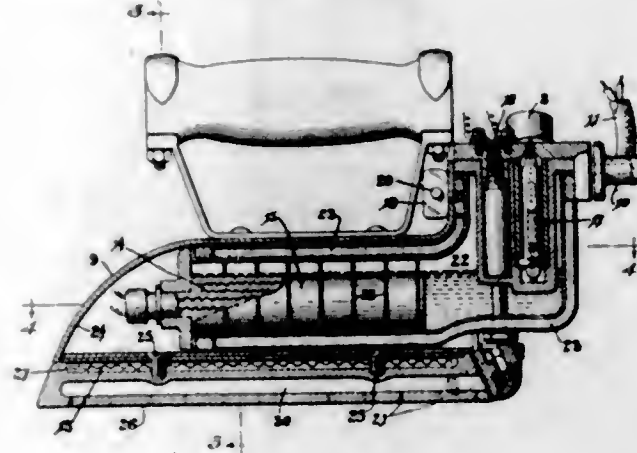
1. In combination, a shell open at one end and having a threaded outlet at its other end, a tube disposed lengthwise within, and having threaded engagement at an end with the outlet of the shell, and a flanged closure-cap for the open end of the shell, the cap at its flange having engagement with the exterior surface of the shell at an end thereof for rotatory movement on and axially of the shell, and the cap being adapted for engagement with the tube for effecting through twisting thereof ejection of its contents through said outlet.

1,736,147. POWDER INSUFFLATOR. FRANK ARRIGO, Jr., and FRANCESCO SUNSERI, Los Angeles, Calif. Filed Aug. 31, 1927. Serial No. 216,606. 2 Claims. (Cl. 128—266.)



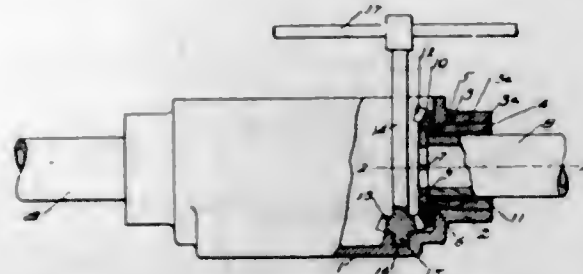
1. A powder insufflator including in combination a tubular nozzle member having expanders thereon and adapted to be inserted into the cavity to receive the powder, the outer end of said tubular nozzle member being open to receive another tubular member, said tubular nozzle member having on its inner end means for expanding said expanders as said tubular nozzle member is moved telescopically therein, and a powder holding tube adapted to have its end thrust into powder to pick up the desired amount thereof and to be inserted telescopically into the outer open end of said tubular member, and means connected with said tube for causing a blast of air through said tube and said tubular member to blow said powder therefrom, substantially as shown and described.

1,736,148. ELECTRIC STEAM-PRESSING APPLIANCE. CHARLES A. BREWER, Darien, Conn., assignor to Cannon Engineering Co., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 15, 1926. Serial No. 135,682. 2 Claims. (Cl. 219—25.)



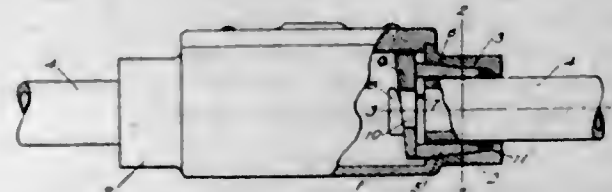
2. In an electric iron, a pressing face having perforations therein, an electric heating unit for the face, an electrically heated steam generating unit within the iron, means conducting steam from said unit to said face, and means responsive to the temperature of the steam generating unit for controlling the supply of feed water to said generating unit.

1,736,149. CONDUIT FITTING. RUSSELL P. DUNMIRE, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1925. Serial No. 65,825. 1 Claim. (Cl. 247—27.)



In a conduit fitting, the combination of a body having an open side, a conduit receiving opening therein and a key socket opposite the open side at the side of the opening; a slotted contractible sleeve in the opening, said sleeve being tapered and in wedging engagement with the walls of the opening and having its inner end the smaller and screw-threaded; a nut within the body on the screw-threaded inner end having a gear thereon; and a key journaled in the socket and having a gear engaging the gear on the nut.

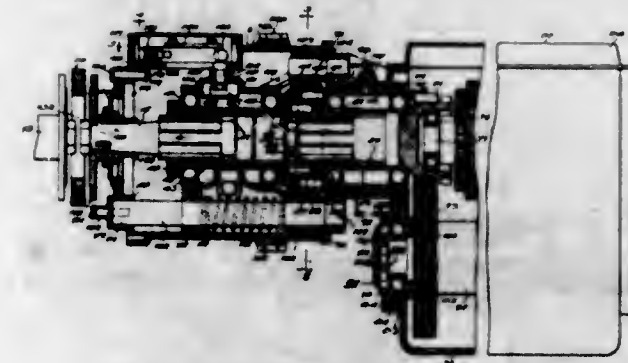
1,736,150. CONDUIT FITTING. RUSSELL P. DUNMIRE and DORCEY E. KELLOGG, Erie, Pa., assignors to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1925. Serial No. 65,826. 8 Claims. (Cl. 247—25.)



4. In a conduit fitting, the combination of a body having a conduit opening therein and a wedge shoulder at the side of the opening; a slotted contractible sleeve

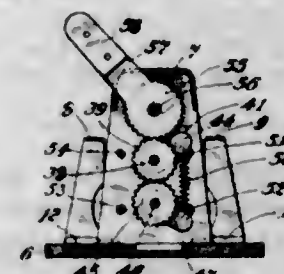
In the opening, the walls of the opening and the sleeve having wedging surfaces in wedging engagement adapted to contract the sleeve into clamping engagement with an inserted conduit as the sleeve is forced endwise; and a wedge between the end of the sleeve and the wedge shoulder.

1,736,151. TRANSMISSION. THOMAS L. FAWICK, Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed July 6, 1926. Serial No. 120,572. 12 Claims. (Cl. 74—58.)



1. In combination, a pair of members, one of said members comprising an internal gear element and a clutch element and the other a pinion, means for causing a relative movement between the members to cause the pinion to be disengaged from one element, and means set into operation by the said relative movement to cause another movement between the members for meshing the other element with the pinion and a single manual control for said members.

1,736,152. TOGGLE SWITCH. OTTO H. FRANK, Brooklyn, N. Y. Filed Aug. 6, 1927. Serial No. 211,025. 6 Claims. (Cl. 200—154.)



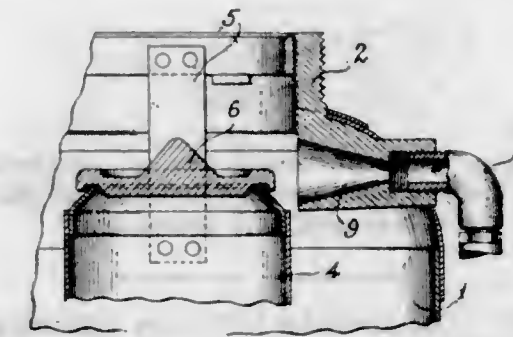
1. In an electric switch the combination of a plurality of contact forks, a plurality of switch blades movable relatively to said contact forks for engaging and disengaging the same, a pair of cranks geared to rock simultaneously in opposite directions, a spring extending from one of said cranks to the other, said spring being under tension for the purpose of actuating said cranks, connections from said cranks to said switch blades for the purpose of actuating said switch blades, gearing separate from said cranks but connected therewith, for turning said cranks until said spring passes the dead centers of said cranks, and means for limiting the travel of said cranks.

1,736,153. FIRE EXTINGUISHER. VICTOR GEORGE WILLIAM GILBERT, London, England, assignor, by mesne assignments, to American La France and Foamite Corporation, a Corporation of New York. Filed Sept. 21, 1925, Serial No. 57,537, and in Great Britain Dec. 10, 1924. 1 Claim. (Cl. 169—32.)

In an invertible foam extinguisher, an outer container adapted to hold one of the foam forming solutions and having a cast metal neck-member provided with a cover, an inner solution container insertable through the neck

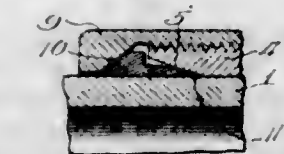
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opening and confined therein by said cover, said cast-metal neck-member being formed with a seat for said cover and with a lateral projection below said seat, said projection being hollow from a point substantially in line



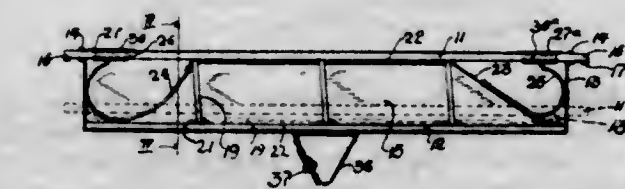
with the side of said neck opening at the level of the outlet from said inner container, to a point outside of said outer container, and having a foam-delivery member secured to its outer end.

1,736,154. PIPE CONNECTER. WILLIAM GOETZELMAN, Chicago, Ill., assignor to Appleton Electric Company, a Corporation of Illinois. Filed Feb. 20, 1926. Serial No. 89,555. 2 Claims. (Cl. 247—25.)



1. In combination, an externally threaded tubular member terminating at one end in a frusto-conical mouth, a cylindrical member extending into said mouth, a divided ring surrounding said cylindrical member, the ends of said ring being tapered in opposite directions, the taper of that end toward said tubular member being at a lesser angle than that of the said mouth and terminating in a thin edge, and a coupling sleeve surrounding said cylindrical member and engaged with the threads on the tubular member, said sleeve having an internal bearing seat engaged with the tapered part of the outer end of said ring to force the ring into said mouth and to cooperate with said mouth to contract the ring upon said cylindrical member.

1,736,155. COLLAPSIBLE AIR-CHAMBER SEAT. NOAH S. HARTER, Waukegan, Ill., assignor to King Boat Company, a Copartnership consisting of Noah S. Harter, Ernest H. Harper, A. F. Beaubien, Harry Chapman, and Walter Bilhars. Filed May 19, 1927. Serial No. 192,586. 18 Claims. (Cl. 9—12.)



15. In a collapsible device, a casing, means within said casing for expanding said device, and means connected to said first mentioned means extensible without said casing for actuating said first mentioned means.

1,736,156. AQUAPLANE. NOAH S. HARTER, Waukegan, Ill., assignor to King Boat Company, a Copartnership consisting of Noah S. Harter, Ernest H. Harper, A. F. Beaubien, Harry Chapman, and Walter Bilhars. Filed May 19, 1927. Serial No. 192,587. 17 Claims. (Cl. 9-11.)



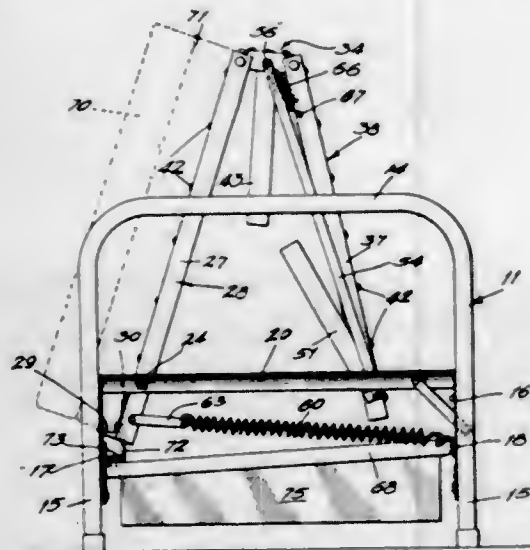
17. As an article of manufacture, an aquaplane having a center line and equal portions upwardly diverging therefrom to aid in balancing said aquaplane.

1,736,157. COLLAPSIBLE PONTOON FOR BOATS AND THE LIKE. NOAH S. HARTER, Waukegan, Ill., assignor to King Boat Company, a Copartnership consisting of Noah S. Harter, Ernest H. Harper, A. F. Beaubien, Harry Chapman, and Walter Bilhars. Filed May 19, 1927. Serial No. 192,588. 6 Claims. (Cl. 9-1.)



1. In a device of the class described, a sheet of material impervious to liquids, a casing of material impervious to liquids secured thereto and enclosing an air-chamber, braces pivotally secured to said sheet and adapted to abut the inner side of said casing when pivoted outwardly, means for limiting the movement of said braces, and means for actuating said braces.

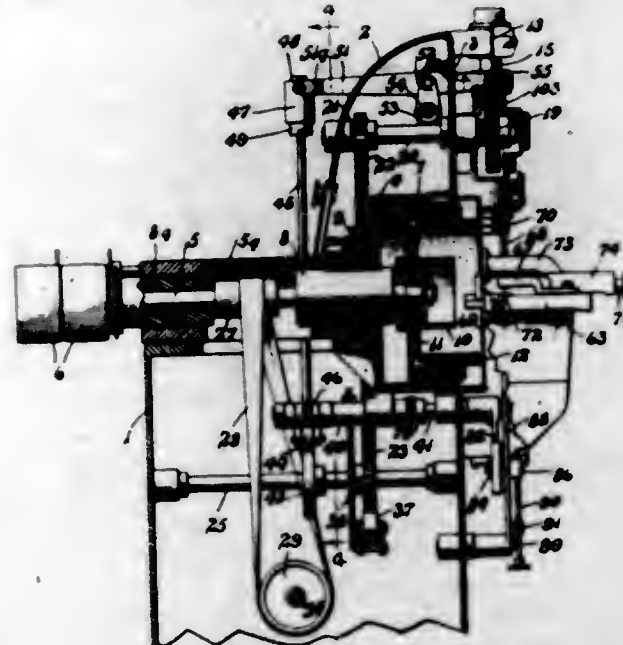
1,736,158. FOLDABLE DAY BED. FRANCIS S. INCO, Los Angeles, Calif. Filed Apr. 28, 1925. Serial No. 26,374. 1 Claim. (Cl. 5-27.)



In a folding bed, the combination of: a carriage; an inner section; a pin pivotally securing said inner section to said carriage on a longitudinal axis; a stop secured to said carriage adapted to be engaged by said inner section to limit the movement of said inner section when same is raised; an intermediate section hinged to one side of said inner section and parallel to the axis of pivot of said inner section; a leg construction secured to said intermediate section; an outer section hinged to said intermediate section on an axis parallel to the axis of pivot

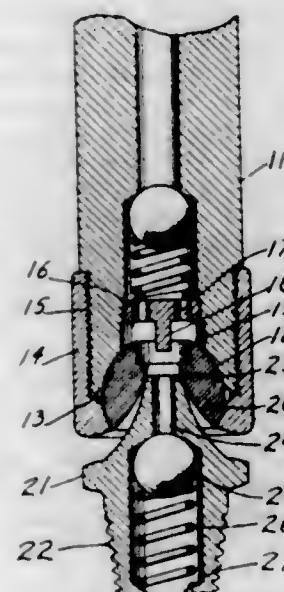
of said inner section, said stop being arranged to engage an end of said outer section when said outer section is folded; and an outer leg construction attached near the outer end of said outer section.

1,736,159. PISTON-RING ROUGH GRINDER. CHARLES E. JOHNSON, North Muskegon, Mich., assignor to Piston Ring Company, Muskegon Heights, Mich., a Corporation of Michigan. Filed Mar. 6, 1928. Serial No. 259,401. 16 Claims. (Cl. 51-118.)



1. In a machine of the class described, means for supporting and guiding a quantity of continuous ring castings located in a column one above the other, means for feeding the lowermost of said rings laterally at periodic intervals into a holding means, holding means in which said ring castings are adapted to be clamped and held when fed thereto, means for rotating said holding means and means for grinding the outer curved surface of said ring castings, while the same are held and rotated and means for removing the ring from said holding means.

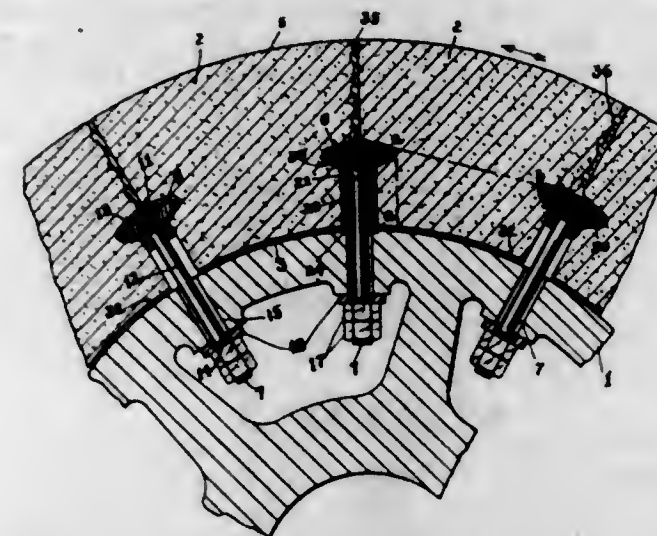
1,736,160. LUBRICATING DEVICE. SVEN M. JOHNSON, Woodside, N. Y., assignor to Automotive Royalties Corporation, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 2, 1929. Serial No. 329,850. 4 Claims. (Cl. 221-47.4.)



1. In a device of the character described, in combination, a lubricant conveying tube having a spherical seat

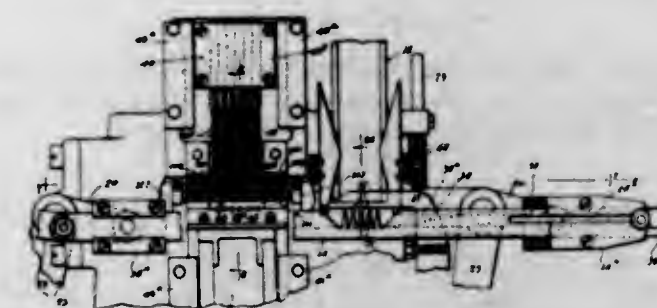
in the end thereof, a spherical member adapted to oscillate in said seat, a cap adapted to hold the spherical member on said seat, said spherical member having a tapered hole therethrough, and a lubricant receiving member having an end adapted to fit into said tapered hole for the purpose of forming a lubricant tight connection therewith.

1,736,161. SEGMENTAL GRINDING WHEEL AND METHOD OF ASSEMBLING THE SAME. THURE LARSSON and HUGO W. H. BETH, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1926. Serial No. 95,772. 20 Claims. (Cl. 51-207.)



1. An abrasive wheel comprising in combination, a support, an abrasive annulus secured to the support, said annulus and said support being of materials of different coefficients of expansion wherefore temperature changes in said wheel cause movement of the annulus and the support relative to each other, and an elastic medium which serves to compensate for said movement.

1,736,162. BRUSH-MAKING MACHINE. EVERARD R. LINDSTROM, Evanston, Ill., assignor to Augustus Lee Read, Covington, Ky. Filed Oct. 5, 1927. Serial No. 224,082. 28 Claims. (Cl. 300-5.)

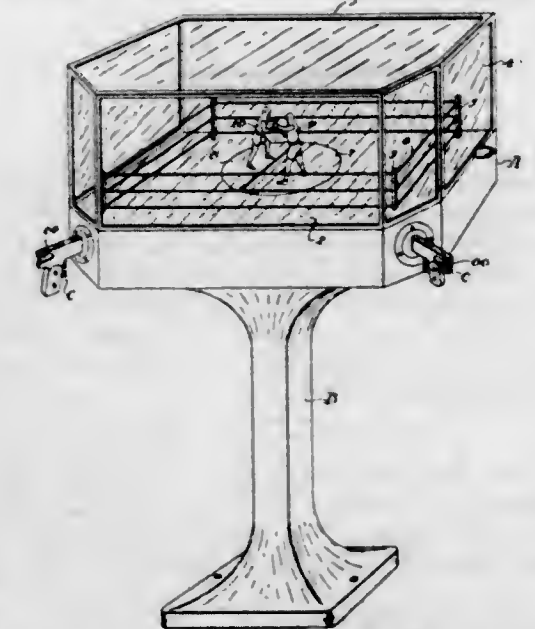


1. In a brush making machine, the combination of bristle setting mechanism, a vertical magazine containing loose bristles, an endwise and vertically reciprocating separator bar moving between said bristle setting mechanism and a loading position beneath said magazine, said bar having teeth adapted to be filled with bristles from the bottom of said magazine during its upward movement in loading position, and means for confining tufts of bristles between said teeth.

1,736,163. BOXING FIGURE TOY. ROLAND L. MCGEE, St. Paul, Minn. Filed July 20, 1927. Serial No. 207,048. 4 Claims. (Cl. 46-40.)

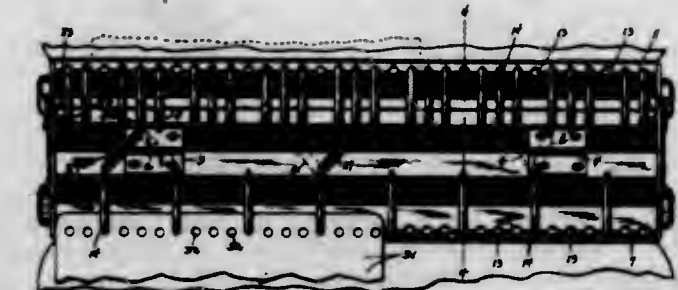
1. A boxing figure toy, comprising a frame, a pair of handle members movably mounted therein, a figure having

movable arms carried on the inner end of each of said handle members, means selectively controlling the movements of the arms of said figure, said figure being releas-



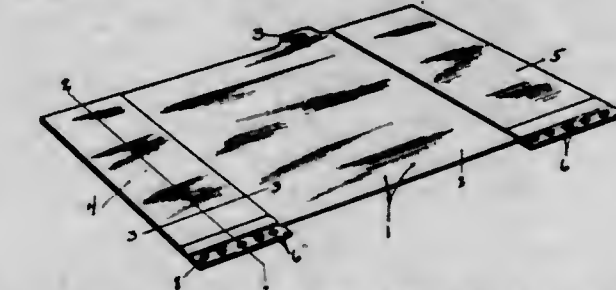
ably supported in an upright position, release means to move said figure to a horizontal position, and coin controlled means to restore said figure to a vertical position.

1,736,164. TRANSFERRING DEVICE. JOHN L. McMILLAN, Syracuse, N. Y., assignor to McMillan Book Company, Syracuse, N. Y., a Corporation of New York. Filed Apr. 23, 1928. Serial No. 272,139. 6 Claims. (Cl. 129-17.)



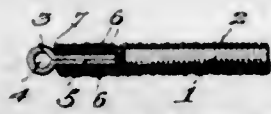
1. In a device of the class described, a pair of opposed back members, a prong carrying member affixed to each back member, a plurality of prongs affixed in each prong carrying member in longitudinally and correspondingly spaced relation, and adapted to receive a sheet having a plurality of holes in spaced relation along one edge thereof, and a guiding member having one end removably positioned on the end of a prong of one set and the other end removably positioned on the end of a longitudinally offset prong of the opposite set for guiding a sheet from the first named prong to the second named prong.

1,736,165. INDEX LEAF. JOHN L. McMILLAN, Syracuse, N. Y., assignor to McMillan Book Company, Syracuse, N. Y., a Corporation of New York. Filed June 4, 1928. Serial No. 282,737. 3 Claims. (Cl. 129-1.)



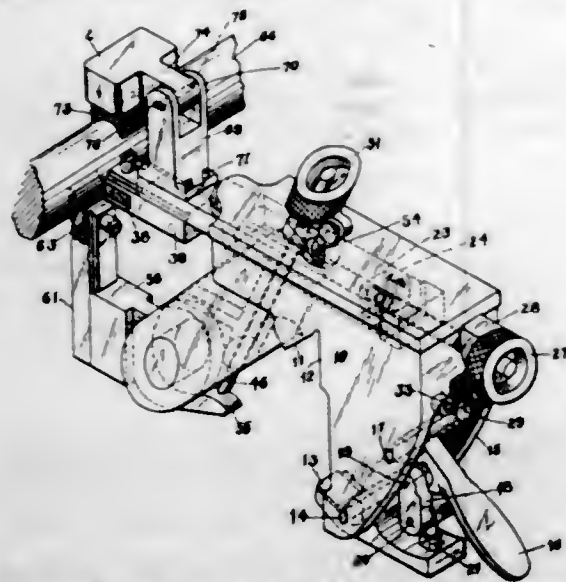
1. In a device of the class described, a body portion, relatively thick opposed end portions, and a tab having a plurality of spaced apertures extending laterally from each of the end portions.

1,736,166. MESH BRACELET. FREDERICK W. NITTEL, Attleboro Falls, Mass., assignor to M S Co., Attleboro, Mass. Filed Feb. 11, 1928. Serial No. 253,639. 2 Claims. (Cl. 63-11.)



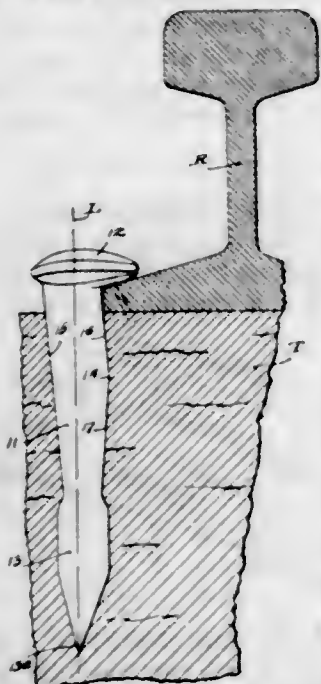
1. In a watch bracelet, a filler composed of a coiled spring of substantially rectangular cross-section having its coils closely related, a connecting member for each of the ends of the filler centrally doubled upon itself to form an eye and having its ends abutting and secured within the interior of the spring, and a seamless mesh fabric covering for the spring of cross section conforming to that of the filler and having its ends abutting the respective eyes of the connecting member.

1,736,167. GRINDING MACHINE. CHARLES H. NORTON, Plainville, Conn., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 26, 1926. Serial No. 118,625. 8 Claims. (Cl. 51-238.)



1. A steadyrest for a grinding machine comprising a stand, a movably mounted work steadying member thereon having an abrading surface adapted to engage the work, and means operable to maintain the desired contact between said surface and the work.

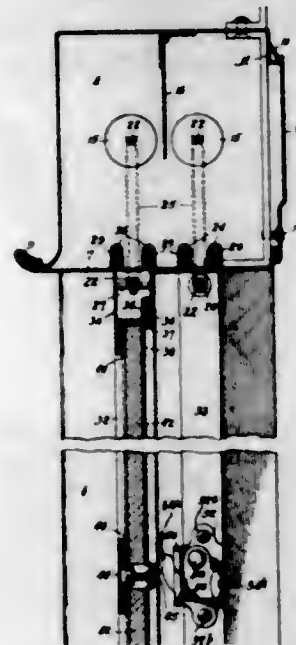
1,736,168. RAILROAD SPIKE. OLIVER A. OLSON, Minneapolis, Minn. Filed Dec. 31, 1927. Serial No. 243,864. 2 Claims. (Cl. 85-10.)



2. In a railroad spike, a shank having substantially flat sides, a head, a blade portion at its lower end provided with

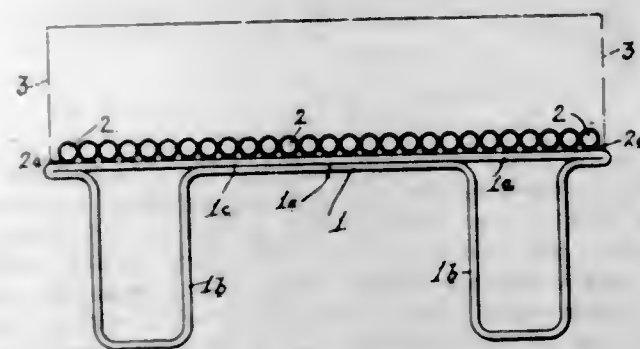
a wedge-shaped entering point, the front and rear faces of the shank being sharply contracted to form shoulders at the upper termination of the blade portion, the rear face of the shank above the shoulder being inclined to the axis of the spike, the forward face above the shoulder having an upper portion substantially parallel to the rear face extending downwardly from the head, and a second portion diverging upwardly from the forward shoulder and intersecting the above named portion to form a forward facing bulge, said wedge-shaped entering point being defined by two intersecting planes, said planes extending at different angles to the axis of said spike.

1,736,169. WINDOW CONSTRUCTION. FRANCIS J. PLYM, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a Corporation of Michigan. Filed June 21, 1923. Serial No. 646,761. 4 Claims. (Cl. 189-72.)



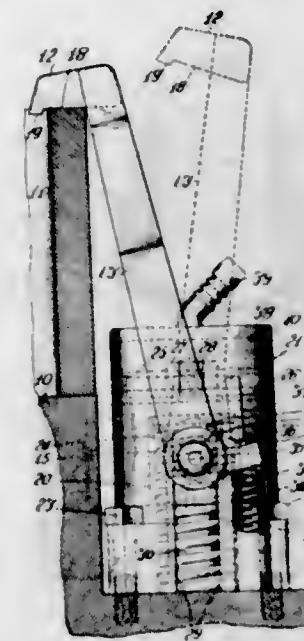
1. In a metal window construction, a metal frame formed from sheet metal and having a portion of the pulley stile punched out to form hooks and a pulley assembly and casing mounted on the hooks and held in place thereby.

1,736,170. PORTABLE PLATFORM FOR LIFT TRUCKS. EDWARD H. POLK, Sacramento, Calif. Filed June 5, 1928. Serial No. 282,949. 1 Claim. (Cl. 248-41.)



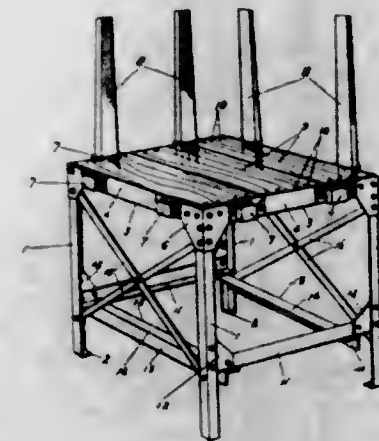
A portable platform for lift-trucks comprising a pair of spaced leg frames each frame consisting of a single iron bar, its end portions joined in horizontal alignment and bent downwardly to form legs, and its middle portion horizontally returned upon the end portions to form a side rail; and a top consisting of a plurality of closely contiguous metallic tubes extending between and secured upon the side rails of said pair of frames.

1,736,171. AIR CLAMP. GOMERT POWELL, Michigan City, Ind., assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 22, 1928. Serial No. 263,902. 12 Claims. (Cl. 22-109.)



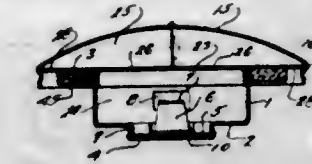
1. In a molding machine, a flask clamping mechanism comprising a pressure cylinder secured adjacent the flask and communicating with a fluid power supply, a piston reciprocable within the cylinder, a spring supporting said piston and adapted to oppose movement of the piston in one direction, flask clamping means having laterally projecting levers movable with said piston, and means associated with said cylinder operable by said levers for actuating said flask clamping means.

1,736,172. PORTABLE TABLE PLATFORM. GEORGE G. RAYMOND, Greene, N. Y., assignor to Lyon Iron Works, Greene, N. Y. Filed Nov. 2, 1926. Serial No. 145,907. 2 Claims. (Cl. 248-41.)



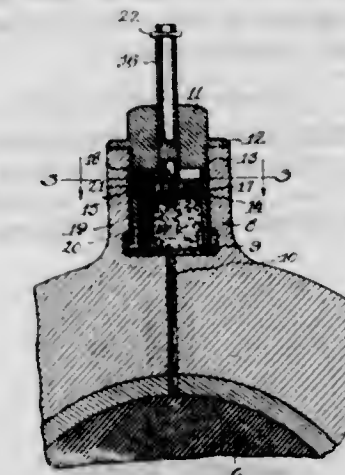
1. A platform comprising supporting legs consisting of angle bars provided with inwardly turned ends forming feet, a frame secured to the upper ends of said legs including an angle bar bent to form the corners and having a vertical flange and a lower inwardly extending horizontal flange, floor members supported by said horizontal flange, said floor members being substantially flush with the top of said vertical flange, braces comprising angle bars extending between certain of said legs, and angle bars connecting said braces and forming means whereby said platform may be lifted.

1,736,173. CLOSURE. JAMES S. REID, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 10, 1927. Serial No. 225,352. 6 Claims. (Cl. 220-40.)



1. A closure, comprising a body member having a central cup-shaped portion and an annular top flange portion, said cup-shaped portion being provided with two opposed openings, a locking member mounted within said cup-shaped portion and having opposed resilient locking fingers extending outwardly through said openings, a cover member for said body member comprising a dome-shaped top portion and a depending cylindrical skirt portion, the top flange portion of said body member being secured to said cover member at the junction of the top and skirt portions thereof, and a brace and baffle member positioned in the cup-shaped portion of the body member at substantially the top thereof and dividing the space between the cover and body members into two upper and lower air chambers, said brace and baffle member being provided with an opening for establishing communication between said air chambers, said upper air chamber being vented to the atmosphere by an opening in the top flange portion of the body member and the lower air chamber being vented by the openings in the cup-shaped portion of the body member.

1,736,174. CRANK-PIN LUBRICATOR. FRANK P. ROMSCH, Chicago, Ill., assignor to Harry Vissering and Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 7, 1922. Serial No. 605,388. 2 Claims. (Cl. 184-46.)

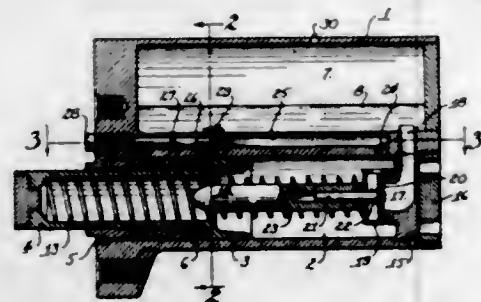


2. In a lubricating device for a crank-pin bearing, the combination of a grease receptacle, a piston disposed in said receptacle for feeding the grease, a stem extending upwardly from said piston, the piston being provided with a chamber extending upwardly into the stem, and a weight in the chamber movable vertically by the rotation of the crank-pin, the under side of the piston being provided with an annular cavity having its walls converging toward the grease in the receptacle and into which a portion of the grease will be forced to cause the piston to adhere to the grease in the receptacle during rotation of the pin.

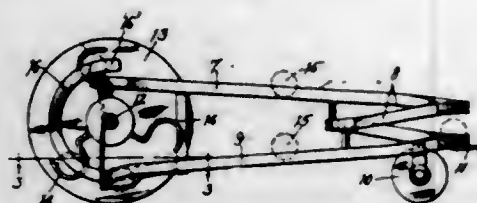
1,736,175. DOORCHECK. CERR ROSENTHAL and HUBERT MCL. ARMISTEAD, San Francisco, Calif., assignors, by mesne assignments, to The Condor Company, a Corporation of Nevada. Filed Mar. 3, 1928. Serial No. 258,821. 3 Claims. (Cl. 16-84.)

1. A door check comprising a cylinder adapted to contain a fluid; a piston operable in said cylinder to circulate

said fluid; a restrictive conduit connecting the end portions of said cylinder; a second conduit outside said cylinder connecting its end portions; said second conduit being vented to the atmosphere and a valve in said second conduit adapting it for free fluid flow in one direction only.

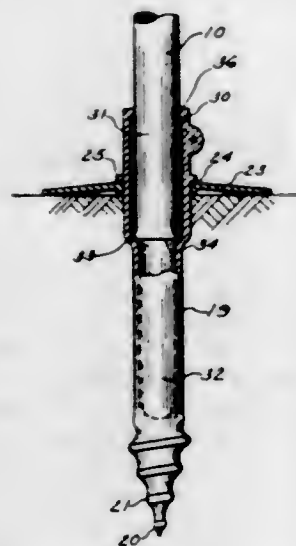


1,736,176. TOY. WINFRED P. SHEPHERD, Pasadena, Calif. Filed Sept. 19, 1928. Serial No. 306,913. 6 Claims. (Cl. 46—37.)



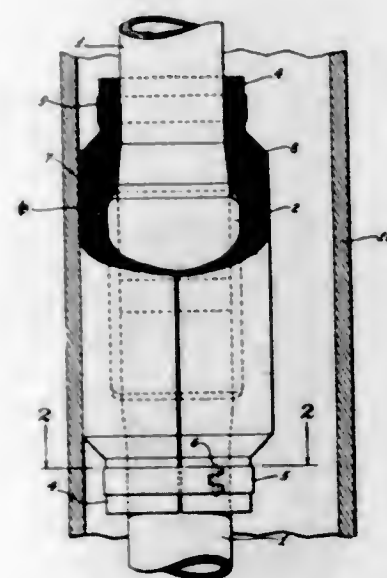
4. A wheeled toy including a structure forming an inclined runway with a loop interposed intermediate its ends and with its ends turned toward each other at different elevations, a revolving member between said ends and adapted to receive rolling elements from the lower end and elevate them to the upper end of said runway, and means operated by the traction of said toy for operating said revolving member to successively elevate said elements to the upper end of said runway.

1,736,177. UMBRELLA CONSTRUCTION. CLARENCE G. SNOOK, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a Corporation of Ohio. Filed Sept. 16, 1926. Serial No. 135,813. 4 Claims. (Cl. 135—9.)



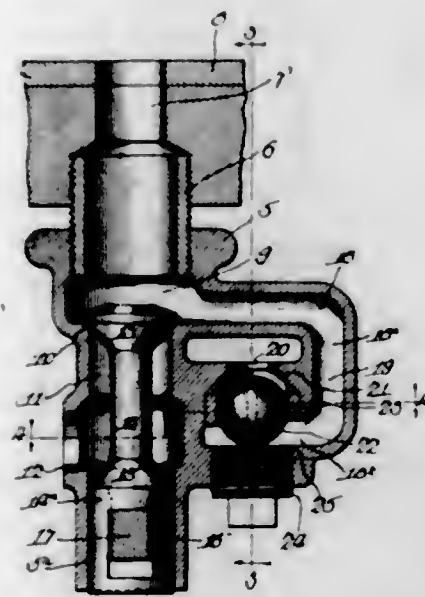
3. For use with an umbrella of the character described adapted to be supported at a predetermined distance above the ground, a supporting member adapted to be inserted within the ground and having provisions for receiving the lower end of the handle of the umbrella in supporting relation, and means for limiting the depth of insertion of said supporting member within the ground to thereby support the lower end of said handle at substantially ground level.

1,736,178. GUARD FOR PROTECTING COUPLINGS OF WELL TUBINGS. WILLIAM P. SUTTON, Seminole, Okla., assignor to Indian Territory Illuminating Oil Company, Bartlesville, Okla., a Corporation of New Jersey. Filed Feb. 23, 1928. Serial No. 256,153. 7 Claims. (Cl. 308—4.)



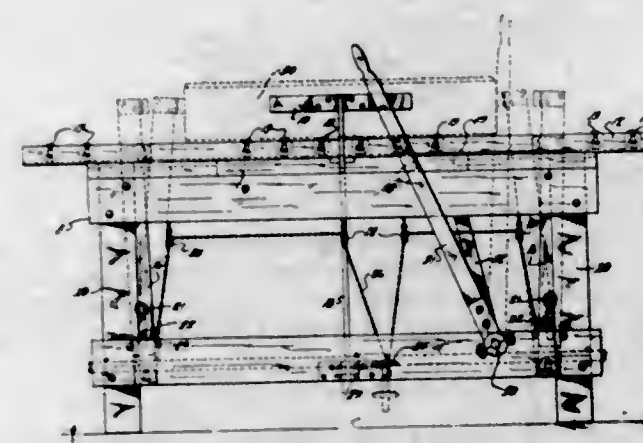
1. In well tubing composed of sections joined by couplings, a coupling protector, comprising, a split sleeve adapted to be sprung over the coupling and tubing sections and having a central part adapted to cover the coupling and having end portions adapted to engage the tubing sections, and means for holding said sleeve in place.

1,736,179. OUTLET VALVE. HARRY VISSERING, Chicago, Ill., assignor to The Okadec Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1924. Serial No. 719,938. 4 Claims. (Cl. 121—134.)



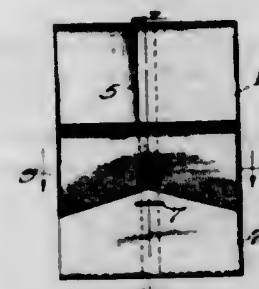
2. The combination with an engine cylinder, of a casing connected to receive condensate from the cylinder, a blow-off cock in said casing, an automatic pressure controlled drain-valve in said casing, an upwardly facing outlet leading from the valve, and a duct in the casing extending laterally from the cock and around and under said valve and through which the condensate will escape when the cock is closed.

1,736,180. SEALING MACHINE FOR BOXES. EMERY L. WALKER, Wauwatosa, Wis., assignor to Kleckhefer Container Co., Milwaukee, Wis., a Corporation of Maine. Filed Aug. 24, 1927. Serial No. 215,251. 8 Claims. (Cl. 93—2.)



1. A box sealing machine, comprising a base member, a pair of opposed clamping members mounted therein and movable upwardly and longitudinally of the base member, a second pair of opposed clamping members mounted in the base member and movable transversely thereof, and means for jointly pivotally moving said clamping members toward a central point.

1,736,181. CELLOPHANE BAG. MAX WEISS, Chicago, Ill., assignor to Queen Anne Candy Company, Hammond, Ind., a Corporation of Illinois. Filed Feb. 25, 1928. Serial No. 256,830. 2 Claims. (Cl. 229—57.)



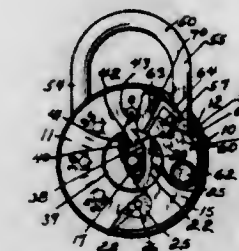
1. A bag comprising a strip of transparent material folded upon itself to provide a flat tube having overlapping fastened together edges, a closure member of hexagonal configuration having two short sides forming the top and the bottom thereof and of a material adapted to receive printing thereon and to be folded upon itself to provide two pentagonal figures having complementary and corresponding margins, said folded member being adapted to telescope over one open end of said tube to provide a closure therefor, and a single fastener member of relatively slight extension extending through both sides of said closure member adjacent the intersection of its two short sides and through said tube whereby to prevent the contents of said tube from passing therethrough beyond the edges of said short sides of said closure member.

1,736,182. STOMACH TUBE. JAMES A. WILKINS, Norfolk, Va. Filed Dec. 12, 1927. Serial No. 239,536. Renewed Mar. 29, 1929. 6 Claims. (Cl. 128—350.)



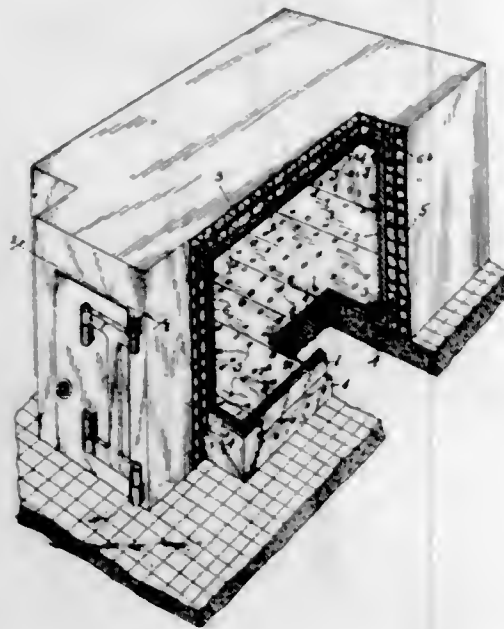
1. A stomach tube structure comprising a flexible weighted lower part and a flexible main part having ports above and near the weighted part.

1,736,183. PERMUTATION LOCK. ROBERT K. WINNING, Wauwatosa, and JOEL REX THORP, West Allis, Wis., assignors, by mesne assignments, to The Dudley Lock Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 1, 1925. Serial No. 33,970. 11 Claims. (Cl. 70—113.)



1. In a device of the character described, the combination with an apertured lock casing and a bolt pivoted therein for oscillation, of a shackle including an arm reciprocable through the aperture of said casing in the general direction of the pivot about which such bolt is oscillatory and provided in its side with a laterally opening notch inclined toward the end of said arm, said bolt being adapted in one position of oscillation to enter said notch and to abut the interior of said casing, whereby to transmit to the casing tension strains of said shackle, said bolt being formed to abut said casing on both sides of the aperture through which said shackle arm is reciprocable.

1,736,184. BANK VAULT STRUCTURE. WALTER J. ARING, Cleveland Heights, and WILLIAM E. ADAMS, Akron, Ohio, assignors, by direct and mesne assignments, of one-fourth to William E. Adams, Akron, Ohio, one-fourth to Warren F. Mosman, East Cleveland, Ohio, and one-half to said Aring. Filed Mar. 31, 1926. Serial No. 98,825. 11 Claims. (Cl. 109-1.)



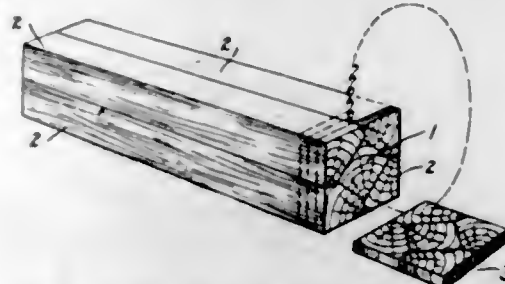
1. A bank vault structure comprising detachably connected multiple units, said units being standardized in size and uniform in shape throughout the entire structure and being provided with uniform securing means, whereby the capacity of the vault may be readily contracted or expanded at will by the subtraction or addition of standardized units.

1,736,185. HEIGHT-MEASURING APPARATUS. HARRY S. BENJAMIN, Detroit, Mich. Filed Feb. 25, 1927. Serial No. 170,770. 23 Claims. (Cl. 194-46.)



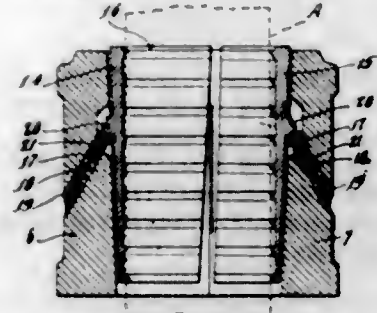
1. A height measuring apparatus comprising a vertically movable member, having a sight spot movable therewith, a data device movable with said member, and means for moving said data device relatively to said member on movement of the latter, whereby to bring into reading position a section of said data device having indicia corresponding to the height to which said spot is adjusted.

1,736,186. METHOD OF TREATING CYPRESS. SAMUEL D. BUTTERWORTH, Detroit, Mich., assignor, by direct and mesne assignments, of one-half to Josephine M. Butterworth and one-half to C. P. Gable, Gable, S. C. Filed July 30, 1928. Serial No. 296,128. 5 Claims. (Cl. 99-12.)



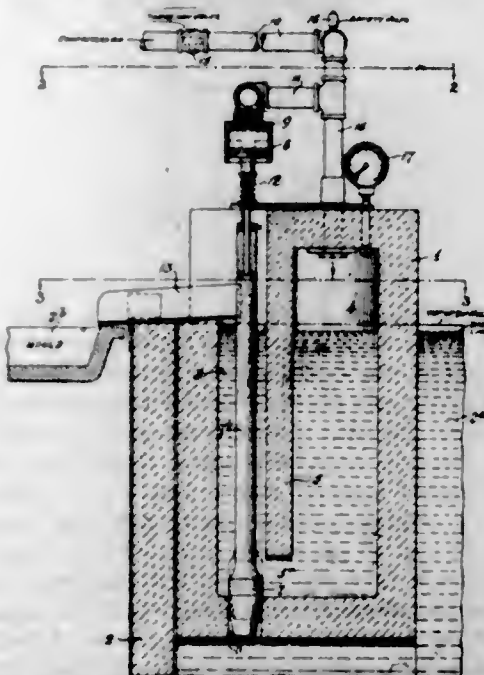
5. The method of preparing cypress to adapt it primarily for use in floors, wall covering, cabinet work, or the like, in an end grain manner which comprises treating the cypress with a solution of sodium silicate and with a paraffin oil.

1,736,187. ELEVATOR. THOMAS L. COLEMAN, Los Angeles, Calif. Filed Nov. 28, 1927. Serial No. 236,191. 7 Claims. (Cl. 294-91.)



1. An elevator comprising a body, a gate, a means to releasably secure the gate in closed position, the inner faces of the body and gate being approximately semi-circular and downwardly and inwardly tapered, slips, the outer faces of the slips tapered to respectively fit the tapered faces of the body and gate, the inner faces of the slips provided with teeth, and springs mounted in the body and gate and bearing upwardly and inwardly against the slips.

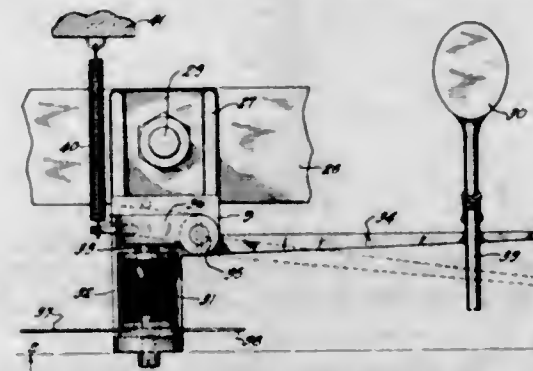
1,736,188. APPARATUS FOR POURING MOLTEN METAL. JOHN R. DASEN, Peru, and LELAND E. WEMPLE, Chicago, Ill., assignors to Illinois Zinc Company, Chicago, Ill., a Corporation of Illinois. Filed June 27, 1928. Serial No. 288,621. 4 Claims. (Cl. 22-79.)



1. In an apparatus for pouring molten metals, the combination of a receiver for the molten metal suitable for

immersion in a melting pot and having two chambers in communication with each other, an aperture in said receiver through which the molten metal is admitted to said chambers when the receiver is positioned within a melting pot, a closure for said aperture at the end of a rod extending through the molten metal to a point outside said receiver, mechanism for positively actuating said rod and therefor said closure, and a source of pressure communicating with one of said chambers and operative to force the molten metal in said chamber into the other chamber, and thence into a mold.

1,736,189. SAFETY SWITCH FOR VEHICLE DOORS. ARTHUR G. DEMAND, Appleton, Wis. Filed May 31, 1927. Serial No. 195,436. 2 Claims. (Cl. 180-82.)



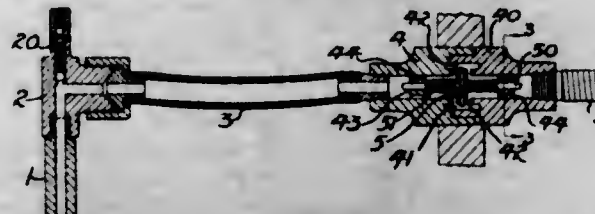
1. In an automatic locking mechanism for motor vehicles, a depressible clutch pedal, an arm pivotally mounted adjacent the clutch pedal to releasably engage the under portion of the pedal to prevent depression of the same, an electrical member controlling said arm to move and hold it in clutch engaging position, and switches controlled by doors on the vehicles and arranged in parallel and associated in the circuit of said electrical member for independently operating the same.

1,736,190. DEVICE FOR SETTING GLAZIERS' POINTS. JOHN E. DOMAGALL, Peru, Ill., assignor to W. H. Maze Company, Peru, Ill., a Corporation of Illinois. Filed July 25, 1928. Serial No. 295,339. 1 Claim. (Cl. 1-44.)



A device of the class described comprising an elongated unitary strip of sheet steel, the face of the edge at one end of said strip being at right angles to the plane of said strip, said face being adapted to abut against a glazier's point when placed in the same plane therewith, the other end of said strip being inclined upwardly and then downwardly at right angles to the plane of said strip to form a shoulder adapted to be struck by a driving tool.

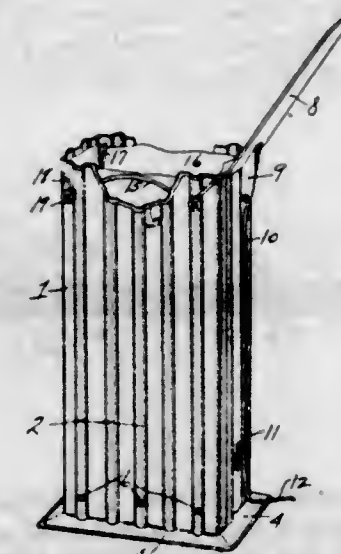
1,736,191. CROSS AIR CONNECTION FOR TWIN TIRES. WILFRED L. DUNDIN and EDWIN S. STEHL, Seattle, Wash., assignors of one-third to Frank E. Reynolds, one-third to said Dundin, and one-third to said Stehl, Seattle, Wash. Filed June 14, 1928. Serial No. 285,270. 2 Claims. (Cl. 152-12.)



2. A pressure retaining valve for connecting twin tires, comprising a casing formed of two hollowed sections joined

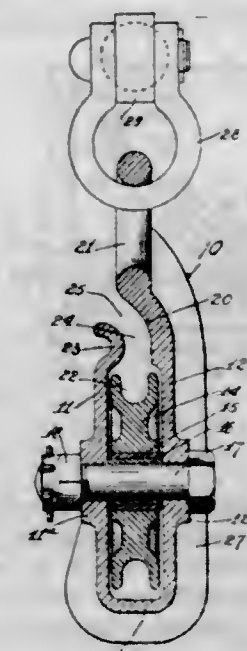
together to form a central chamber having therein two oppositely facing valve seats, a valve mounted between said seats to be seated upon either, springs normally holding said valve off of both seats, and means freely connecting said valve casing outwardly from said valve seats with the respective tires.

1,736,192. REFUSE CONTAINER. GLENN S. EASTON, Buchanan, Mich. Filed May 23, 1928. Serial No. 279,939. 7 Claims. (Cl. 225-17.)



1. A container comprising an outer casing, a receptacle disposed within said outer casing, carrier means disposed within said outer casing supporting said receptacle and adapted for removing the same from the casing, means whereby air currents are allowed to pass between said outer casing and said receptacle, and means carried by said casing and supporting said receptacle at the upper end thereof.

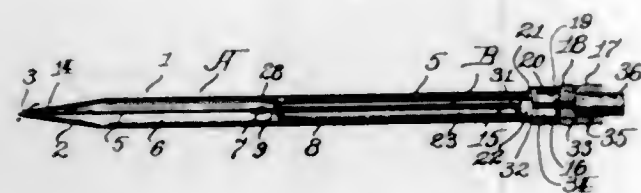
1,736,193. SNATCH BLOCK. NICHOLAI M. ERDAHL, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1927. Serial No. 243,284. 1 Claim. (Cl. 254-193.)



A snatch block including a substantially rigid frame consisting of two side members and a sheave mounted for rotation between them, one of said members having a portion extending beyond the periphery of the sheave and offset opposite the groove thereof, with a further extend-

ing portion formed for attachment to a support in a plane substantially central with respect to the sheave, the other side member extending inwardly adjacent the groove of the sheave and thence curving outwardly to cooperate with said offset portion of the first mentioned member to form a curved guideway opening at one side of the sheave for directing an intermediate portion of a cable into the groove of the same, and tending to prevent accidental dislodgement of the cable from the snatch block.

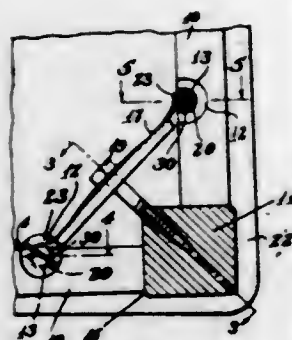
1,736,194. PENCIL. HOWARD L. FISCHER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Mar. 27, 1919. Serial No. 285,708. 16 Claims. (Cl. 120—18.)



13. A pencil including a casing, a channel means held against rotation in said casing, said channel means being in part spaced from the casing to form therewith a lead magazine, and a lead ejecting means operable in said channel means and having a part thereof engaging with and held from rotation by the channel means.

16. A pencil including a lead propelling means and operating means therefor, and an eraser socket in said operating means, said propelling means including a part associated with said eraser socket and adapted to be operated to eject the eraser from said socket.

1,736,195. CORNER BRACE FOR FURNITURE. WILLIAM O. FOUGHT, JR., West Concord, Mass. Filed Mar. 12, 1929. Serial No. 346,466. 2 Claims. (Cl. 155—196.)



1. An improved corner brace for furniture and the like, comprising a substantially rectangular body member, a hollow cylindrical member formed at each end thereof and arranged parallel with each other, and a flange for each said cylindrical member arranged at one end thereof.

1,736,196. CLINKER FORK. HENRY W. GROSCHKE, Dayton, Ohio. Filed May 18, 1927. Serial No. 192,395. 1 Claim. (Cl. 294—9.)

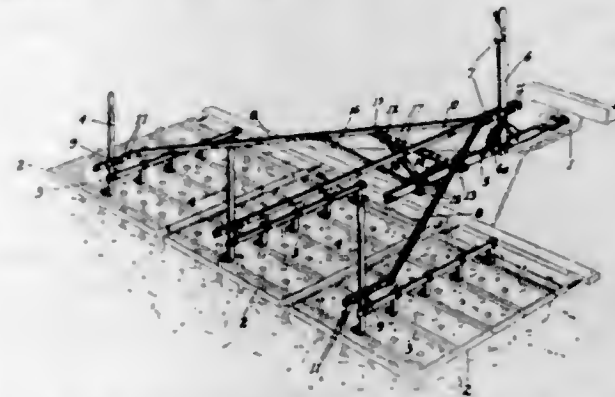
A device of the type described, comprising a handle, a cylindrical connecting member pivoted to said handle and having a circular periphery formed with deep radial

holes completely around the exposed portion of the same, a fork secured to said connecting member, a plunger operable from the outer end of said handle for entrance at its



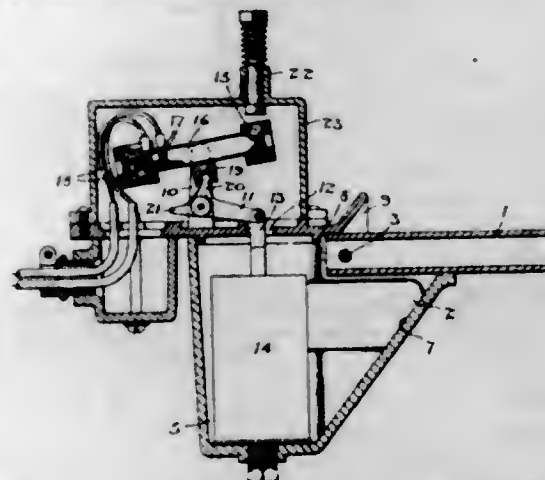
inner end into one of the holes in the periphery of the connecting member, and spring means for holding said plunger in a selected hole in the connecting member.

1,736,197. LEVER-OPERATING ATTACHMENT FOR DRAWN IMPLEMENTS. EDWARD I. HIATT, Modesto, Calif. Filed Dec. 2, 1927. Serial No. 237,176. 8 Claims. (Cl. 97—240.)



1. A lever operating attachment for use in connection with an implement having transversely spaced upstanding levers, and a draft means connected to the implement; comprising a lever, means supporting said lever from the draft means, and links connected in common to said lever and diverging thence to connections with the implement levers.

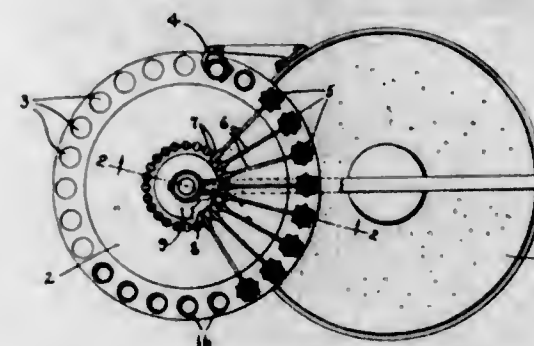
1,736,198. ELECTRIC CIRCUIT MAKER AND BREAKER. ARTHUR P. HOLDEN and PHILIP MORGAN, Toronto, Ontario, Canada. Filed June 29, 1925. Serial No. 40,340. 3 Claims. (Cl. 200—84.)



1. In an electric circuit maker and breaker, the combination with a rigid overflow pipe, of a casing adapted to

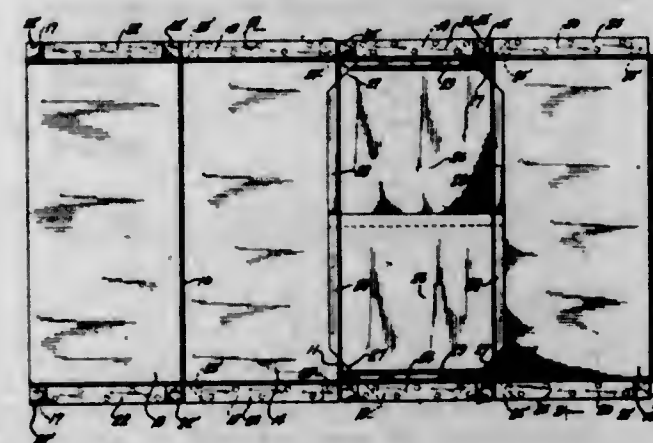
receive the discharge from said overflow pipe, a float in said casing, a cover closing the casing and having a rigid support extending thereabove at one side of said casing, an arm pivotally mounted on said support and having one end extending over said float and pivotally connected therewith and having a stop extension at the other end adapted to engage said cover to limit the movement of the arm, and a tilting mercury tube switch pivotally mounted at the upper end of said rigid support with its axis spaced above the axis of the arm and being operatively connected with said arm.

1,736,199. PRESSURE HEAD FOR PISTON-RING GRINDERS. CHARLES E. JOHNSON, Muskegon, Mich., assignor to The Piston Ring Company, Muskegon Heights, Mich., a Corporation of Michigan. Filed May 31, 1927. Serial No. 195,207. 8 Claims. (Cl. 51—134.)



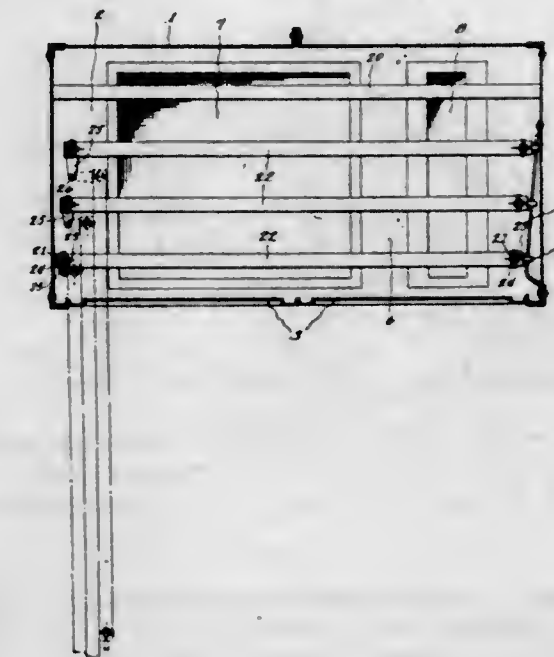
6. In a device of the class described, means for supporting an article to be worked upon, a pressure head associated with said supporting means and an article thereon, said pressure head comprising a body and a plurality of weights connected to said body and adapted to engage said article at different points, each weight being mounted for independent movement relative to the body and to each other and means for holding the body with the weights in engagement with said article and with its weight free from said weights.

1,736,200. CONTAINER. WILLIAM H. KIRCKHEFER, Milwaukee, Wis., assignor to Kleckhefer Container Co., Milwaukee, Wis., a Corporation of Maine. Filed June 11, 1928. Serial No. 284,642. 5 Claims. (Cl. 229—23.)



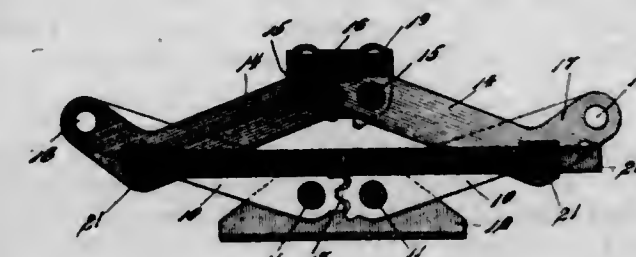
1. A knock-down container comprising a main body portion having front, rear, and bottom sections, reinforcing strips of rigid material secured to the end portions of each of said sections, said strips being engageable with one another to hold the container in assembled condition, and end members secured at one end to one of the main body sections and foldable adjacent the end reinforcing strips, said end members being formed with opposite side flanges which are removably insertable between the sides of the container and the reinforcing strips.

1,736,201. DRYING APPARATUS. OTTO JOHN KUENHOLD, Cleveland, Ohio. Filed Aug. 10, 1923. Serial No. 656,702. 9 Claims. (Cl. 312—184.)



1. Apparatus of the class described, comprising a cabinet provided with a chamber, a series of material supporting racks pivotally mounted upon different vertical axes therein, the axes of the several racks being offset different distances from the median planes of said racks.

1,736,202. LOAD-LIFTING JACK. NILS G. LARSON, Attleboro, Mass., assignor to So-Lo Jack Co., Inc., Attleboro, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1928. Serial No. 327,671. 4 Claims. (Cl. 254—126.)

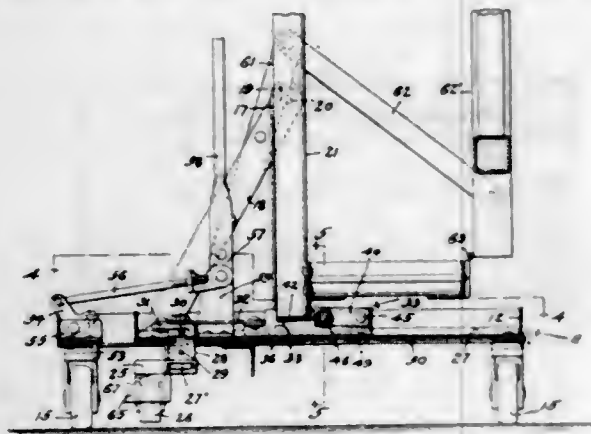


1. A load lifting jack comprising a base member, a set of arms pivoted at one end to opposite sides of said base, a load rest, a set of arms pivoted at one end to opposite sides of said rest, the free ends of said different sets being pivoted together, nut members pivoted to the arms of one of said sets at a point in each arm to one side of a center line thru the end pivots of the arm and in such position that a center line thru the nut pivot at right angles to said line thru the end pivots will intersect said end pivot center line at a point intermediate said end pivots, and a right and left hand operating screw in said nuts to move the load rest towards and from its base member.

1,736,203. NONTIPPING ROLL-AROUND BED. CHARLES LOFMAN, Los Angeles, Calif., assignor to Robert Bros., a Corporation of California. Filed Jan. 11, 1928. Serial No. 245,831. 6 Claims. (Cl. 5—163.)

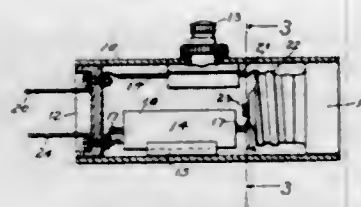
1. In a roll around bed, a movable carriage, a bed pivotally mounted on said carriage, swinging arms pivotally mounted on said carriage, and means operated by said bed for positively swinging said arms outwardly from said

carriage during lowering movement of the bed and for positively retracting said arms on closing movement of the bed, said arm operating means comprising a block



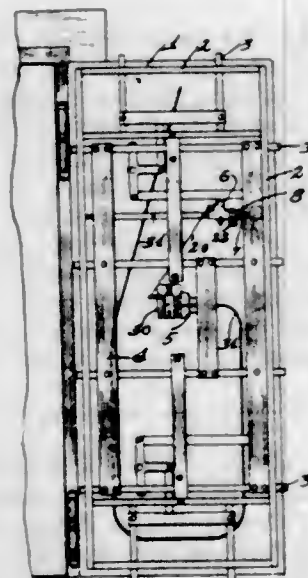
slidably mounted on said carriage and engageable by said bed to receive movement in two directions, and a link mechanism interposed between said arms and said block.

1,736,204. PROTECTOR FOR RADIO SETS. LOUIS LUDWIG, Brooklyn, N. Y. Filed June 19, 1928. Serial No. 286,702. 1 Claim. (Cl. 201-49.)



In a device of the class described, an insulating tube, a recessed disc inserted in one end of said tube, two metal prongs secured on said disc in spaced relation, a lamp socket secured in the other end of the tube, a switch mounted in the side of the tube, a resistance element secured inside the tube, one of said prongs electrically connected through the switch with one contact of the lamp socket, and the other prong connected through the resistance element with the other lamp socket contact.

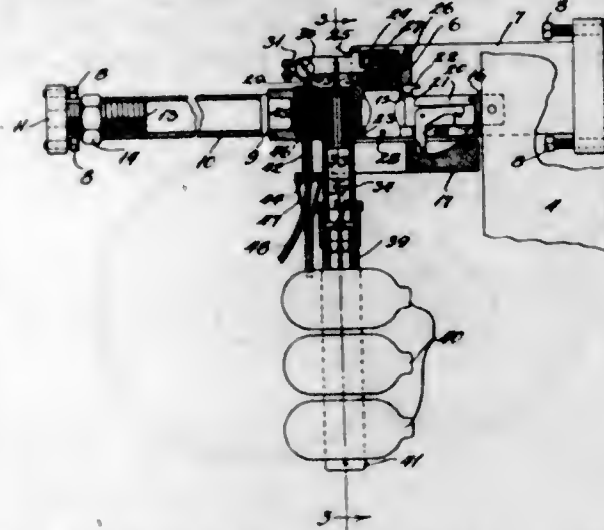
1,736,205. AUTOMATIC SAFE BURGLAR LOCK. ALFRED J. MACY, Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 570,437. 15 Claims. (Cl. 109-3.)



1. The combination with a closure and the locking mechanism therefor, of an automatic safety lock consisting

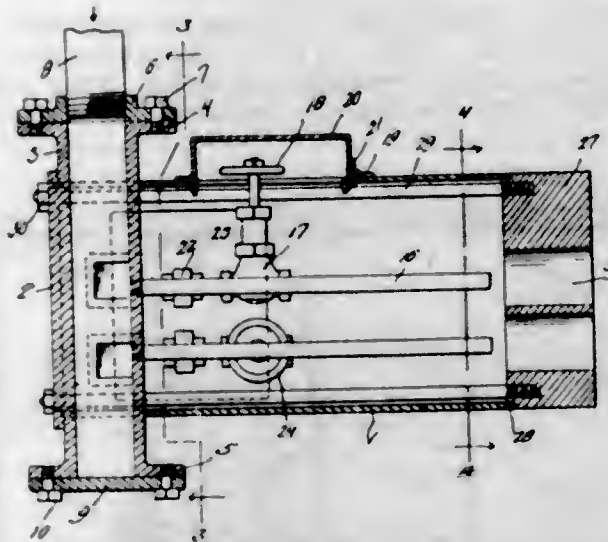
ing of an apertured member supported on the inside of the closure, a member slidable in said apertured member and attached to some movable part of the locking mechanism to move in unison therewith, and a sliding plunger adapted to span the aperture in the first mentioned member to prevent the retraction of the slidable member and thereby supplement the regular locking mechanism.

1,736,206. VAULT GAS BOMB. ALFRED J. MACY, Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 29, 1923. Serial No. 665,625. 9 Claims. (Cl. 109-3.)



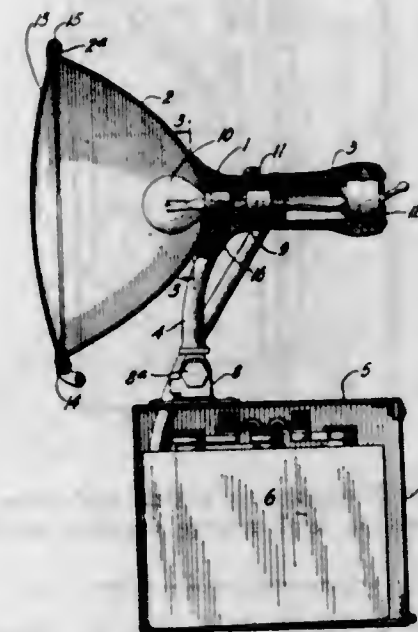
1. In a device of the class described, a reloading mechanism, means adapted to secure it in place on a door, a mechanism actuated by the reloading mechanism to discharge a noxious vapor, and a plurality of means for releasing said reloading mechanism upon injury of said door.

1,736,207. SECTIONAL GAS BURNER. JOSEPH M. MAXWELL, Wichita, Kans. Filed May 1, 1928. Serial No. 274,203. 5 Claims. (Cl. 158-104.)



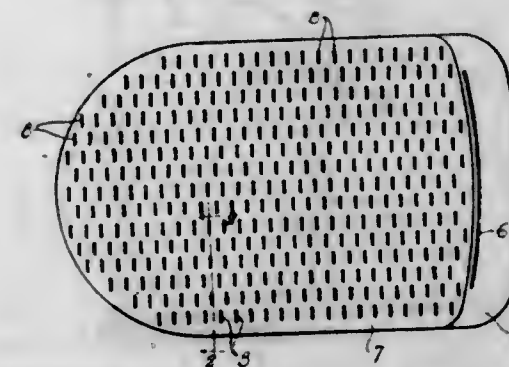
5. In a gas burner for furnaces, a housing open at both ends, a cover plate at the outer open end of the housing, a manifold secured to the inner side of the cover plate, said manifold being provided with branch pipes extending laterally therefrom, jet pipes projecting horizontally from the branch pipes through the housing and terminating inwardly from the opposite open end of the housing, a substantially thick block at the inner end of the housing, said block being formed with openings complementary to the jet pipes, elongated members for connecting the cover plate and block to opposite ends of the housing, and means associated with the bottom of said manifold, whereby another burner unit may be connected for use in conjunction with the foregoing burner construction.

1,736,208. PORTABLE SEARCHLIGHT. JOHN STEVENS McRUA, Bayside, Long Island, N. Y., assignor to Portable Light Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 18, 1927. Serial No. 169,159. 3 Claims. (Cl. 240-10.5.)



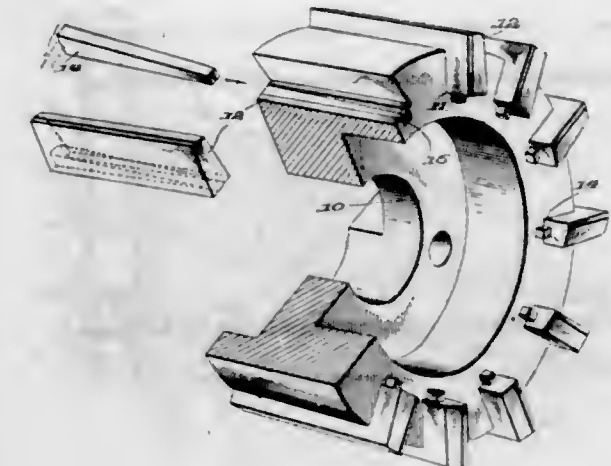
1. A portable electric searchlight comprising a battery box receiver adapted to contain a wet cell storage battery, a mounting attached to the upper face of said receiver adjacent one edge thereof, a lamp secured to one side of said mounting, a hollow insulating handle attached to the other side and an electrical connection having one end entering the receiver through an opening located adjacent the point of attachment of the mounting and the receiver and adapted to be connected to said storage battery, and the other end entering the hollow handle adjacent the union of the handle and the mounting.

1,736,209. HAND PAD. IRWIN W. MILLARD, Chicago, Ill., assignor to Industrial Gloves Corporation, Chicago, Ill., a Corporation of Delaware. Filed Jan. 16, 1928. Serial No. 246,999. 2 Claims. (Cl. 2-20.)



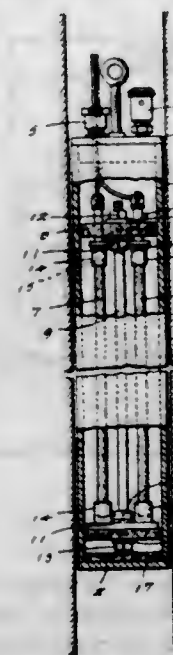
1. A hand pad comprising, in combination, a pliant leather base having a transverse slot near one end thereof, a plurality of layers of woven asbestos cloth of a size substantially to cover the surface of said base, and metallic means for securing said asbestos cloth to said base at a large number of points across the surface thereof.

1,736,210. TOOL HOLDER. FRANK P. MILLER, Meadville, Pa. Filed Oct. 11, 1926. Serial No. 140,875. 8 Claims. (Cl. 29-105.)



1. A rotary cutter comprising a body, a blade carried thereby, said blade and said body being provided with separate pairs of active faces approaching the plane of the outer edge of the blade in different directions, the faces of each pair being at slightly different angles, and separate wedges engaged with said pairs of faces.

1,736,211. OIL-WELL HEATER. JOHN A. MILLER, Chicago, Ill. Filed Oct. 20, 1927. Serial No. 227,607. 1 Claim. (Cl. 219-33.)

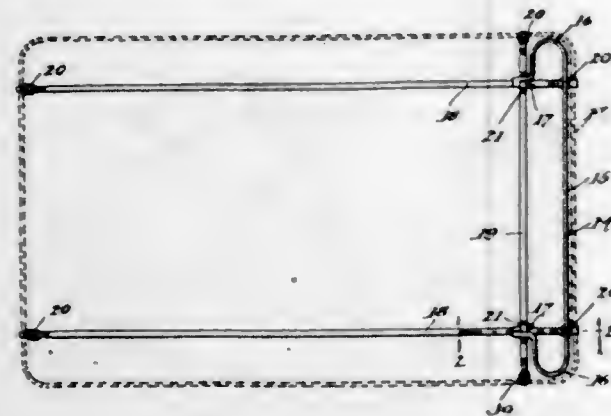


An oil well heater, comprising an outer hollow cylindrical body, a bottom welded on the body, a cap screwing into the top of the body, a heating unit mounted in the body and comprising a plurality of longitudinally disposed glow-bars arranged in concentric relation with the inner wall of the body and means including insulating discs for supporting and properly insulating the heating unit from the body.

1,736,212. BEDCOVER-HOLDING DEVICE. BENJAMIN A. MOELLER, San Diego, Calif. Filed May 9, 1927. Serial No. 189,977. 7 Claims. (Cl. 5-320.)

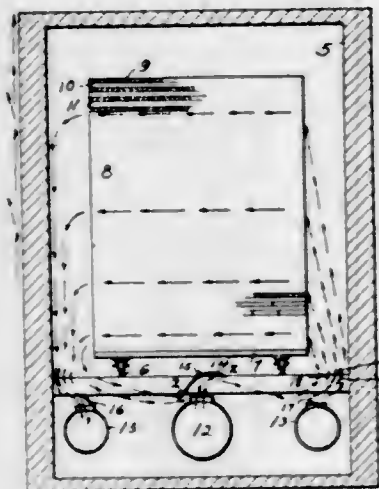
2. In a bed cover holding device, an elongated yoke having rounded ends terminating in laterally disposed

extremities, said extremities being split and spread to form hooks, a pair of straps, and a third strap intersecting the



first straps and secured to the latter at the points of intersection, and loops on the third strap in which said hooks engage.

1,736,213. METHOD OF AND MEANS FOR DRYING LUMBER. MORITZ L. MUELLER, Seattle, Wash., assignor to Northwest Blower Kiln Company, Portland, Ore., a Corporation of Washington. Filed Aug. 22, 1928. Serial No. 301,324. 10 Claims. (Cl. 34-46.)

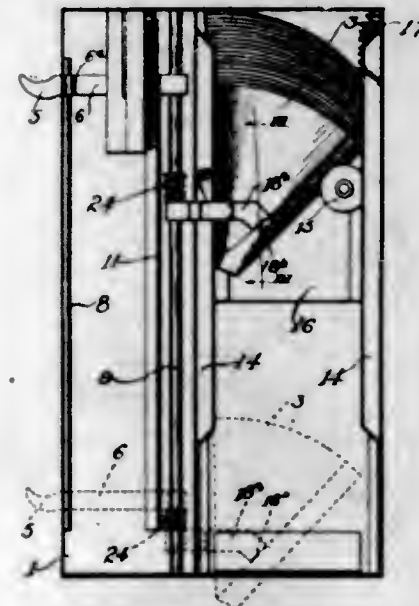


1. The combination with a kiln, and means for setting up a circulation of air transversely thereof, of deflecting means at each side of the kiln comprising a group of horizontally spaced deflectors adjacent the lower portion of each side wall of the kiln, a centrally arranged pressure duct discharging air upwardly, and a pivoted deflector above the pressure duct arranged to direct the air discharged therefrom to either of said groups of deflectors.

1,736,214. DISPENSER. JOHN B. OHLSON, Chicago, Ill., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1927. Serial No. 161,049. 10 Claims. (Cl. 312-44.)

1. In a dispenser adapted to carry a plurality of nested seamed articles, a resiliently supported roller for supporting the articles, guideways engaging the articles at opposite sides, slidable means for temporarily engaging the seam of the endmost article to disengage the same from the remainder of the articles, a slotted casing in-

closing said articles and said means, and reciprocable means projecting through the casing for sliding said first men-



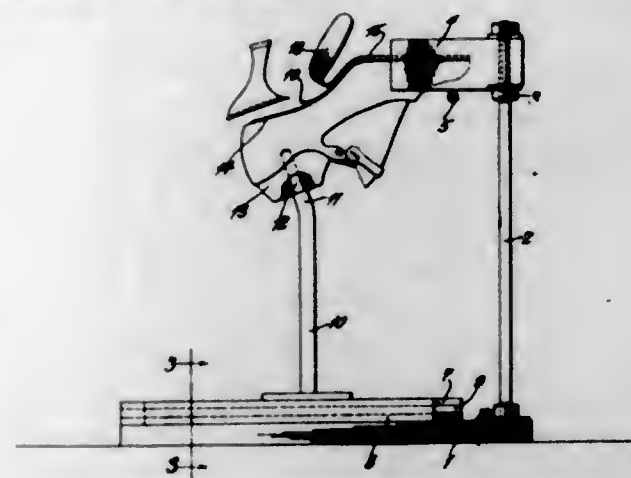
tioned means to disengage an article and move the same along the guideways to discharge position at the slot in the casing.

1,736,215. HAIR DEVICE. RUTH B. OPPENHEIMER, Crestwood, N. Y. Filed Feb. 14, 1929. Serial No. 339,795. 7 Claims. (Cl. 132-48.)



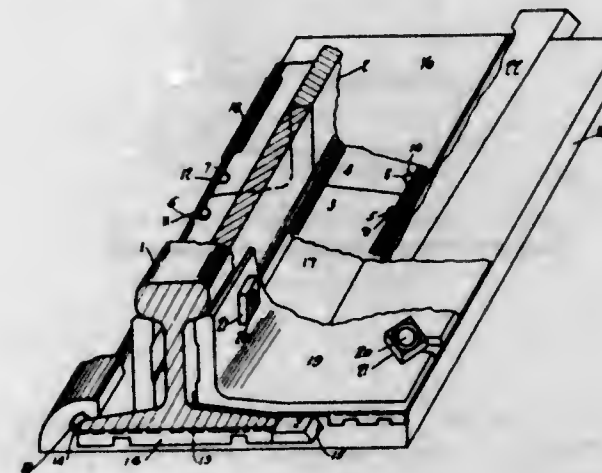
1. A barrette of the character described comprising a C-shaped body of magnetized metal adapted magnetically to attract metallic hairpins and hold the latter in contact therewith.

1,736,216. CENTERING DEVICE FOR SHOE SOLES. JOHN A. PARKER, St. Louis, Mo., assignor to International Shoe Company, St. Louis, Mo., a Corporation of Delaware. Filed Jan. 25, 1929. Serial No. 335,000. 8 Claims. (Cl. 12-33.)



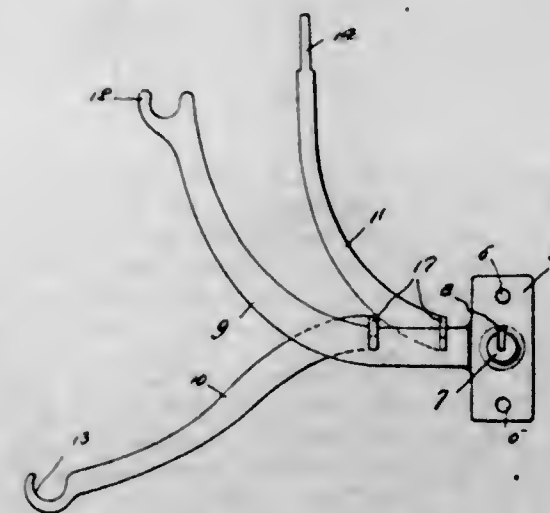
1. A device of the character described comprising a pair of jaws pivotally supported for movement toward and away from each other, means actuating said jaws toward each other, and a support for a lasted shoe for supporting the shoe in position for movement of the toe portion of the shoe and a sole on the shoe between said jaws and in a direction at right angles to the plane passing through the axes of the pivots of said jaws.

1,736,217. ELECTRIC CONTACT IN RAIL JOINTS. CHARLES PASCAL, Montreal, Quebec, Canada, assignor to Pascal Rail Joint Company, Inc., a Corporation of New York. Filed Aug. 30, 1922. Serial No. 585,257. 2 Claims. (Cl. 173-262.)



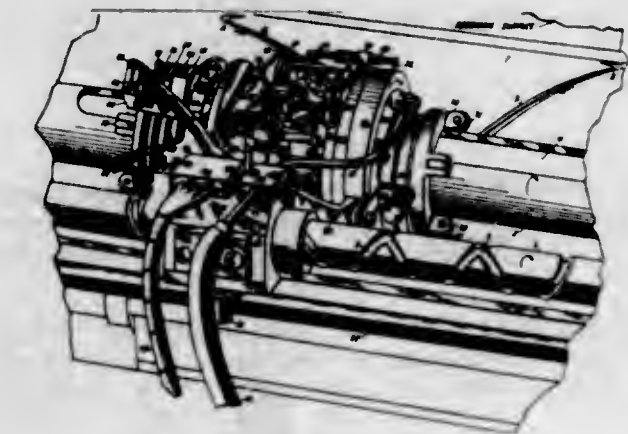
1. In a rail joint, the combination with adjacent rail ends of a rail chair securing the rail ends in place, the rail base flanges at one side having openings therein merging with the outer edges of said rail base flanges, plugs of high electrical conductivity swelled into said openings, and a strip of high electrical conductivity interposed between the rail base flanges and the rail chair and contacting with said plugs, the rail base flanges wedging said strip, plugs, rails and rail chair together.

1,736,218. SUPPORTING BRACKET. FRANK JOSEPH PILAT and PAUL ALFRED GALGAN, Chicago, Ill. Filed June 9, 1928. Serial No. 285,947. 1 Claim. (Cl. 156-24.)



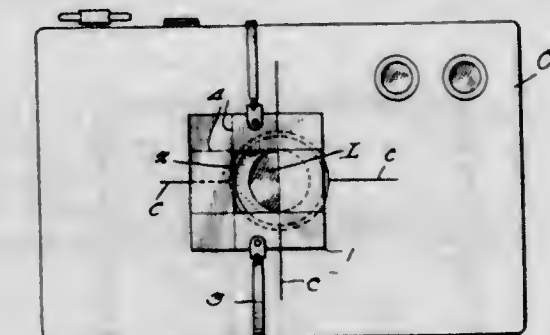
A support of the class described comprising a bracket arm formed at its inner end with an attaching head for connection to a window frame, and at its outer end with an article supporting seat, said arm having a notch extending downwardly from its upper edge and adjacent its inner end, and an article supporting arm having a lateral slotted lug adapted to cooperate with the notched portion of the bracket arm for holding said arms in interlocked engagement, and a hook on the outer end of the article supporting arm for suspending an element.

1,736,219. CROSS SCREEN PICTURE RECEIVING SYSTEM. RICHARD HOWLAND RANGER, Newark, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Jan. 9, 1928. Serial No. 245,350. 20 Claims. (Cl. 178-5.)



1. The method of recording pictures, which includes, controlling a plurality of recording mediums in accordance with received signal pulses, and directing the recording mediums to alternately trace marks on a recording surface in two directions bearing an angular relationship with respect to each other.

1,736,220. CAMERA ATTACHMENT. DOLPHUS E. ROBERTSON, Paragould, Ark. Filed Sept. 6, 1928. Serial No. 304,294. 2 Claims. (Cl. 95-36.)

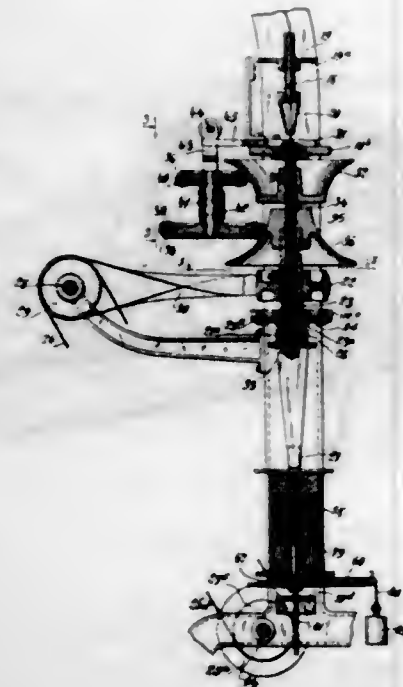


1. The combination with a camera having a lens opening and indicating lines radiating from the opening, of an opaque plate having an angular opening therein for exposure of a portion of the lens opening, there being lines on the plate constituting continuations of the walls of the opening, said plate being shiftable to position its lines in register with selected lines on the camera, and means for holding the plate detachably to the camera.

1,736,221. CORD MACHINE. HERMAN P. RUF, New York, N. Y. Filed Sept. 30, 1927. Serial No. 223,101. 4 Claims. (Cl. 117-35.)

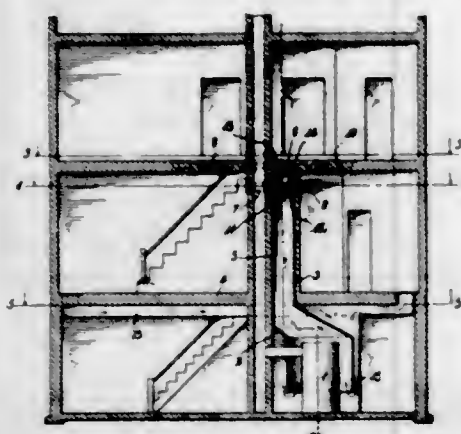
1. In a machine of the character set forth, a cord making unit to make twisted cord, and means to adjust the speed at which the cord is produced by the unit, said means including rollers to draw the cord through the unit, means to rotate the rollers, and a friction drive to rotate the last mentioned means, said friction drive including a pair of coaxial bell shaped members having their circumferential concave surfaces facing each other, a pair of coaxial wheels contacting said members, said wheels being mounted on a shaft so that rotation of one

of the members will cause the wheels and in turn the other member to rotate, means pivotally supporting said shaft on an axis transverse to the shaft to shift the lines of contact of the wheels and said members, a spring tend



ing to move the shaft toward the members for snug contact with the wheels, means to set said shaft in desired pivoted position and a hollow quill for the cord, said quill extending centrally through both bell shaped members.

1,736,222. PIPE SYSTEM FOR HOT-AIR HEATING. ELLIOT FOREST RUMLEY, Toledo, Ohio. Filed Nov. 13, 1928. Serial No. 319,066. 4 Claims. (Cl. 237-53.)

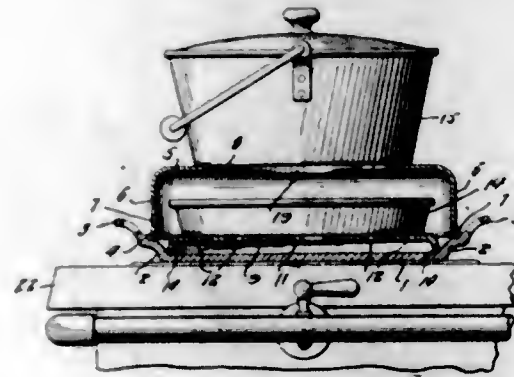


1. A hot air heating system of the character described comprising a heater, a central riser communicating therewith for conveying upwardly the hot air, a distribution chamber supported immediately below the first floor ceiling, a plurality of laterally extending conduits communicating with the distribution chamber and discharging into the first floor rooms near the ceiling thereof and a series of additional conduits communicating with the distribution chamber and extending upwardly and thence outwardly and discharging into the second floor rooms near the floor thereof.

1,736,223. COMBINATION BAKER, OVEN, AND GRIDDLE. ERICK SILAN, Stella, Wash. Filed Dec. 13, 1928. Serial No. 325,845. 6 Claims. (Cl. 53-6.)

1. In a device of the class described, the combination of a griddle, a tray having the main portion thereof

spaced slightly above the griddle, said tray having a series of apertures therein, a pan removably mounted on



the tray, a hot pot cover mounted on the griddle in spaced relation to the tray, said cover having a large central opening.

1,736,224. BODY GARMENT. AIDA J. SLATE, Sudan, Tex. Filed Sept. 21, 1928. Serial No. 307,350. 1 Claim. (Cl. 2-70.)

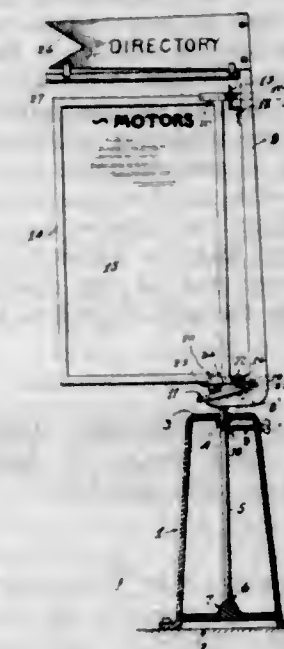


In a body garment including a blouse and a pair of trousers, the lower edge portion of said blouse being slit vertically from the hip portions thereof, the edge portions of the slits being disposed in overlapping relation and formed with registering openings, and the member at each hip portion of the blouse being movable through the registering opening when the lower edge portion of the garment is folded upwardly, and means on the trousers engageable through the registering openings when the lower edge portion of the blouse is permitted to depend over the trousers for securing said blouse to the trousers.

1,736,225. DISPLAY DEVICE. JOSEPH B. SMITH, Havana, Ill. Filed Dec. 7, 1927. Serial No. 288,413. 10 Claims. (Cl. 40-89.)

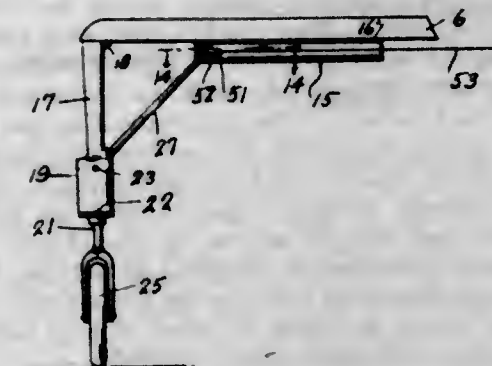
1. A device of the nature described including in its construction a supporting base, an arm uprising therefrom mounted on a vertical axis including a vane, a display

carrying member pivotally mounted on the arm on a vertical axis adapted for movement with respect to the arm,



and coacting parts on the arm and member adapted to station the latter normally in a given position on said arm.

1,736,226. AEROPLANE. RICHARD V. SPENCER, Los Angeles, Calif. Filed July 22, 1929. Serial No. 380,085. 4 Claims. (Cl. 244-2.)



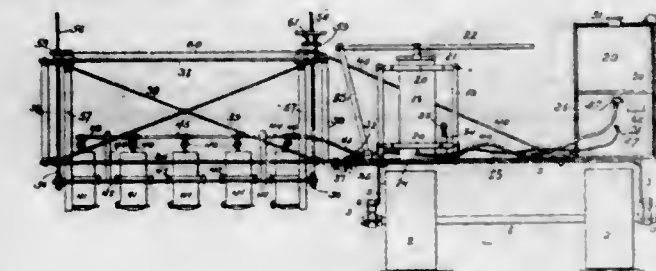
1. In combination with the wing of an aeroplane, a frame mounted on the outer end of the wing, a cylinder mounted on the bottom of the frame, air escape means in the upper portion of the cylinder, a head in the lower portion of the cylinder, a shank slidable through the head, a piston on the upper end of the shank and slidable in the cylinder, a fork on the lower end of the shank, and a wheel journaled in said fork, means for hingedly connecting the frame with the wing, and means for swinging the frame in respect to the wing, the last mentioned means comprising a link pivotally engaged with the frame, a trackway under the wing, a truck rideable in the trackway with which said link is engaged, a rod attached to said truck, a shaft having a hollow end threadedly engaged over the rod, and means for turning the shaft for moving the rod in and out and thereby moving the truck for swinging the frame.

1,736,227. APPARATUS FOR DRYING FIELDS. CARL A. STERNVIG, Bellingham, Wash. Filed Sept. 11, 1926. Serial No. 184,905. 2 Claims. (Cl. 126-271.2.)

1. The combination of a portable support, a burner frame carried by the support and adapted to project at the side thereof or extend upwardly thereover, a burner

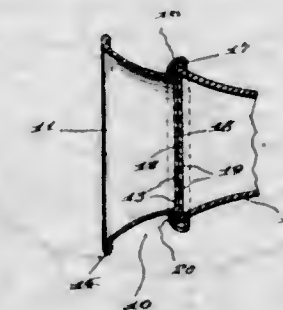
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platform, a plurality of burners carried by the burner platform, guides extending from the burner frame in en-



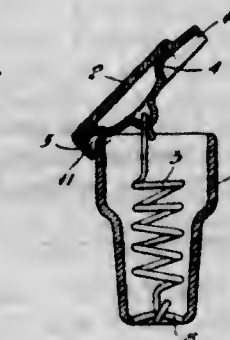
gagement with the burner platform, and means for effecting movement of the burner platform toward or from the burner frame.

1,736,228. HYGIENIC MOUTHPIECE. SAMUEL STORCH, Brooklyn, N. Y., assignor to The Eneloid Co., Inc., Arlington, N. J. Filed Feb. 16, 1929. Serial No. 340,595. 4 Claims. (Cl. 179-184.)



3. A mouthpiece comprising a bell-shaped body portion and a marginal flange arranged at the rear portion thereof, said flange being depressed and having an intumed portion to permit of attachment or removal of said mouthpiece to the standard mouthpiece of a telephone instrument.

1,736,229. SELF-CLOSING OIL CUP. ANDERS ERIK ALLANSON STRÖMBERG, Stockholm, Sweden, assignor to Nya Aktiebolaget Galco, Stockholm, Sweden, a Corporation. Filed Jan. 26, 1928, Serial No. 249,633, and in Germany Feb. 1, 1927. 3 Claims. (Cl. 184-91.)

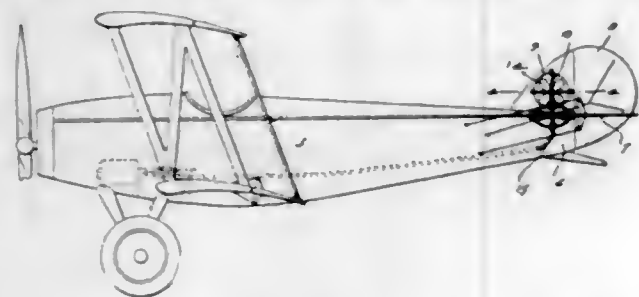


1. Self-closing oil cup in which the spring-operated lid is provided with a depending flange encircling the upper rim of the cup, characterized in that the means for fastening the upper end of the spring comprises a plate (4) pressed down into the lid, said plate being retained in its position by frictional engagement with the flange (5) of the lid.

1,736,230. AIRCRAFT CONTROL MECHANISM. ASA J. STYLES, Esmond, N. Dak. Filed Jan. 12, 1928. Serial No. 246,265. 2 Claims. (Cl. 244-29.)

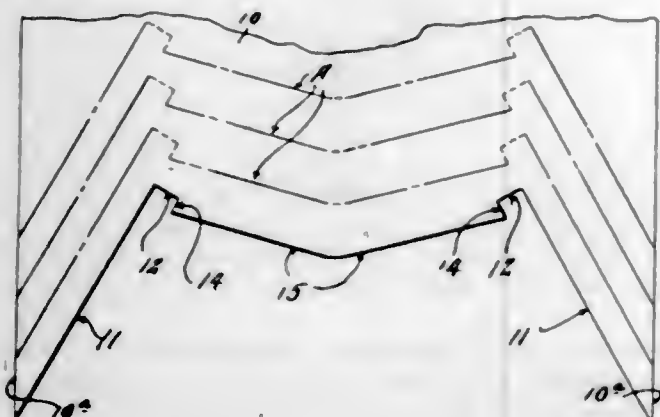
2. In an aircraft, a surface having an opening therein, a spider mounted on the surface spanning the opening, a

bearing supported by the spider structure, a shaft journaled in said bearing, propeller blades radiating from said shaft between the spider structure and in the opening,



means for causing rotation of the shaft, means for controlling the surface and a mechanism actuable by the second means for causing the first mentioned means to operate.

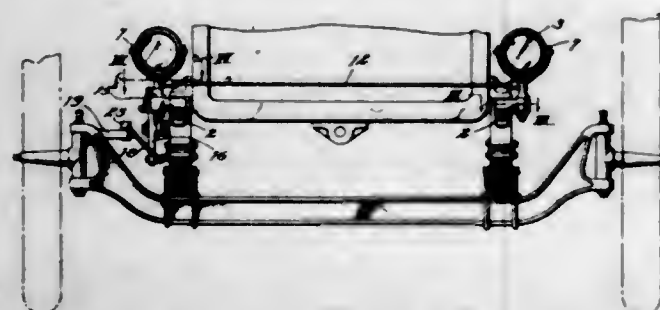
1,736,231. VALVE-SPRING CLIP AND METHOD OF MANUFACTURING SAME. JOSEPH SUNSEN, St. Louis, Mo. Filed Sept. 21, 1927. Serial No. 220,998. 7 Claims. (Cl. 153-2.)



1. The method of manufacturing spring clips which consists in cutting a sheet of metal of predetermined width to provide a blank having an intermediate portion and leg portions disposed angularly relatively to said intermediate portion, trimming one of the ends of the leg portions and one edge of the intermediate portion of said blank, bending laterally the other ends of said leg portions and forming said intermediate portion to bring said leg portions in parallelism with each other and form a handle out of said intermediate portion.

4. A valve spring clip comprising a single piece bar bent to provide two spaced parallel portions and a U-shaped portion formed integral at its ends with said parallel portions near the lower ends thereof, each of said side parallel portions being formed with laterally and oppositely projecting ends for receiving therebetween a compressed valve spring, said U-shape portion forming a handle for said clip.

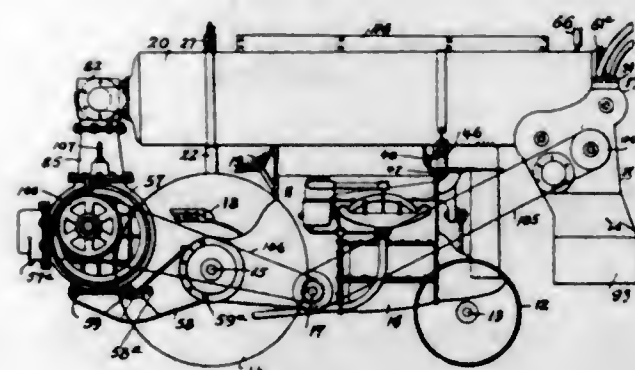
1,736,232. DIRIGIBLE HEADLIGHT. THOMAS F. TAYLOR, San Francisco, Calif. Filed Aug. 23, 1926. Serial No. 130,936. 1 Claim. (Cl. 240-62.)



The combination with a vehicle steering mechanism and a swiveled lamp on the frame of the vehicle, of means

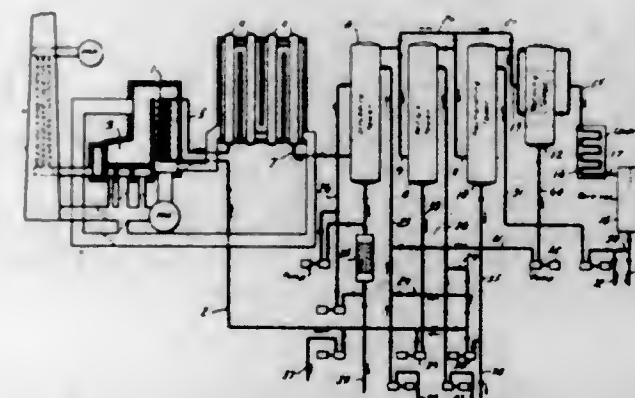
connected with the steering mechanism for turning the lamp, said connecting means including a loose coupling whereby minor movements of the steering mechanism are not transmitted to the lamp, and yielding means for normally holding the lamp in central position, said yielding means comprising a post on which the lamp is supported and having a flattened surface, a bracket provided with a laterally extending tubular portion having a bearing at one end to receive the said post and interiorly threaded at the other end, a plunger slidable in the tubular portion and engaging with the flattened surface of the post, a spring housed within the tubular portion and bearing against the plunger, and an adjustable threaded plug mounted in the inner end of the tubular portion and forming an abutment for and adapted to vary the tension of the said spring.

1,736,233. COTTON HARVESTER. JOHN S. THURMAN, St. Louis, Mo. Filed Sept. 13, 1923. Serial No. 662,528. 14 Claims. (Cl. 56-13.)



2. In an apparatus of the class described, a plurality of tanks, a single suction conduit, means for selectively communicating said suction conduit with said tanks, said means being so constructed as to always maintain communication with at least one tank, an induction conduit leading to each tank, a valve for controlling the passage from each induction conduit to the respective tank, a rod slidably secured in each tank, a bag having a lap seam, with perforations therein, clips secured to each rod, whereby said bag may be secured to one of said rods by means of said perforations engaging said clips, and closure means in each tank whereby the bag may be removed from one of the tanks while the other of said tanks is in communication with said suction conduit.

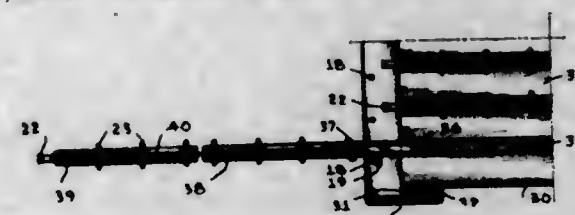
1,736,234. ART OF REFINING HYDROCARBONS. ARNOLD C. VONACH, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a Corporation of Maine. Filed Feb. 29, 1928. Serial No. 257,945. 1 Claim. (Cl. 196-96.)



In the combined cracking of oil to produce gasoline and refining of the cracked gasoline by passage through an adsorptive catalyst in vapor phase, the improvement which

comprises subjecting the gasoline-containing vapors from the cracking operation to a scrubbing treatment and therein separating heavy constituents unsuitable either as components of the gasoline product or to be returned to the cracking operation, discharging such separated heavy constituents without permitting them to return to the cracking operation, subjecting the gasoline-containing vapors escaping from the scrubbing treatment to a refluxing operation and therein condensing intermediate constituents heavier than suitable as components of the gasoline product, returning such condensed intermediate constituents to the cracking operation, passing gasoline-containing vapors escaping from the refluxing operation, through the adsorptive catalyst in vapor phase, separating liquefied polymers produced by the vapor-catalyst contact from the resulting vapor mixture, supplying such separated liquefied polymers to the scrubbing treatment and therein vaporizing light and intermediate oil constituents thereof whereby such vaporized oil constituents escape with the gasoline-containing vapors from the scrubbing treatment, discharging the unvaporized heavier constituents of the liquefied polymers supplied to the scrubbing treatment with the first-mentioned heavy constituents separated in the scrubbing treatment without permitting them to return to the cracking operation, and condensing in the refluxing operation and returning to the cracking operation with the condensate therefrom intermediate oil constituents of the liquefied polymers vaporized in the scrubbing treatment.

1,736,235. KEY UNIT. HARRY E. VON KESBURG, Scarsdale, N. Y., assignor to R. H. Macy & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 13, 1928. Serial No. 246,439. 1 Claim. (Cl. 312-170.)



A sheet metal cabinet having superposed compartments and an open front, vertical panels mounted in each of said compartments, each of the said panels being hingedly mounted on a hollow upright, and a door hinged to the bottom of said cabinet for closing both compartments; the metal around the open front of the cabinet being reversely bent to form an open channel in which is engaged a projecting reinforcing casing offset from the side of said cabinet, the said cabinet having longitudinal grooves formed in the top and bottom sides thereof in which said uprights are adapted to slide, the said panels comprising frame members having intumed edges to form inwardly facing grooves in which are mounted integral metal panels.

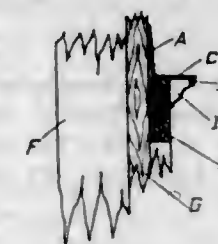
1,736,236. FOUNTAIN MOP. ENOS WERTZ, Salem, Va. Filed July 19, 1928. Serial No. 293,891. 5 Claims. (Cl. 15-128.)



1. A fountain mop comprising a nozzle having concentric tubes forming an annular space therebetween with

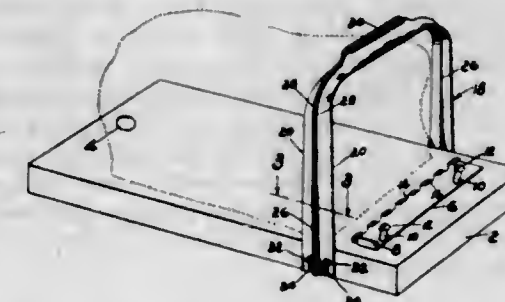
communication between the interior of the inner tube and the annular space, a compressed mass of cordage disposed within the inner tube, and other cordage secured about the outer tube.

1,736,237. FLASHING. GORDON T. WHITAKER, Beverly, Mass., assignor to Empire Metal Products Co. Inc., Lynnfield, Mass., a Corporation. Filed July 12, 1928. Serial No. 292,212. 1 Claim. (Cl. 20-11.)



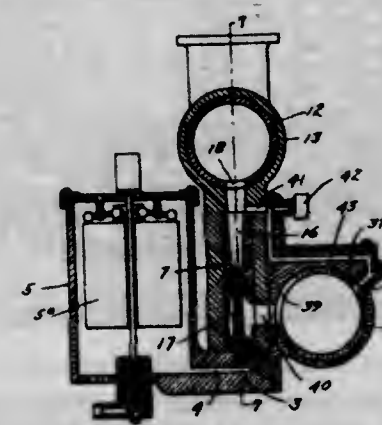
A flashing for use in building construction, comprising a substantially horizontal body portion adapted to seat upon an outstanging ledge of a building element such as a window frame, an upstanding flange portion along one edge of said body portion and inclined at an angle greater than 90° away from the upper face of the body portion to fit beneath sheathing or the like and bear against a base to form a tight joint, and a depending flange portion along the opposite edge of said horizontal body portion and inclined at an angle less than 90° toward the lower face of said horizontal body portion thereby to tightly engage a moulding or the like to form a tight joint.

1,736,238. FOOD CUTTER. THOMAS C. WILLIAMS, Bakersfield, Calif. Filed Apr. 18, 1928. Serial No. 271,032. 1 Claim. (Cl. 146-150.)



A stop plate adapted for special use in connection with a food cutter, said plate being provided with cut-away portions defining a set of bent-over flanges and crumb receiving slots, and a set of diagonally positioned stops for receiving guiding means for guiding the movement of said plate, whereby said plate may be diagonally adjusted.

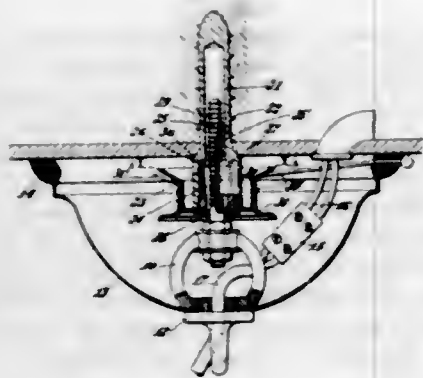
1,736,239. MULTIPLE CARBURETOR. SIDNEY A. WILSON, Davenport, Iowa. Filed June 24, 1926. Serial No. 118,148. 5 Claims. (Cl. 261-41.)



1. A multiple carburetor, comprising a casing adapted for communication with a liquid fuel supply, two or more

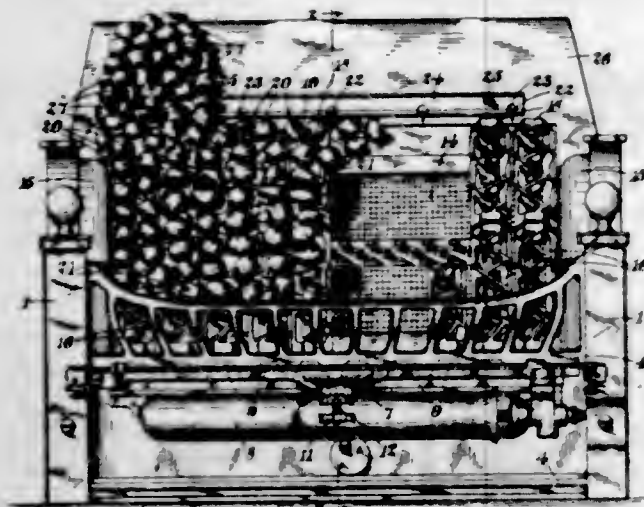
Venturi passages in said casing, liquid fuel nozzles in said passages having capacities proportioned to the sizes thereof, a rotary valve at the discharge ends of said passages, provided with an outlet and openings for independent communication with said passages, so arranged that no two of them will be in full operation at the same time, and a rotary air valve having openings communicating with the lower ends of said Venturi passages, and capable of furnishing air thereto in proportion to the varying demands of a motor with which said carburetor may be connected.

1,736,240. SUSPENSION DEVICE. EMIL A. WYSS, Bern, Switzerland, assignor of one-third to Nathan Medofsky and one-third to Edgar Hecker, Bern, Switzerland. Filed Feb. 17, 1928, Serial No. 255,138, and in Switzerland Feb. 18, 1927. 4 Claims. (Cl. 240-85.)



1. A suspension device for electric lamps and the like, comprising in combination an anchor member having an external rib at one end and a cavity in its other end, a clasp comprising a plurality of segments and a spring embracing the latter accommodated in said cavity, a rotatable retaining member mounted on the anchor member and retaining the clasp therein, a bolt extending through said retaining member into said cavity, which bolt has external teeth for engaging in grooves in the internal periphery of said segments, a ceiling rosette and suspension means carried by said bolt, a pulley fast on said retaining member, and a tie that is wound on said pulley and extends through said rosette.

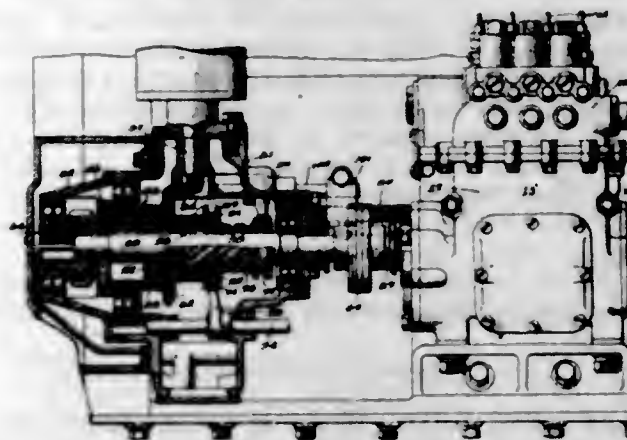
1,736,241. GAS FIRE. KENNETH AIRD, London, England. Filed Jan. 27, 1928. Serial No. 250,007. 1 Claim. (Cl. 126-92.)



A gas fire of the class specified, comprising a framework, a burner with a series of gas nozzles extending longitudinally in the lower part of the framework, a plurality of hollow radiants supported to extend upwardly and rear-

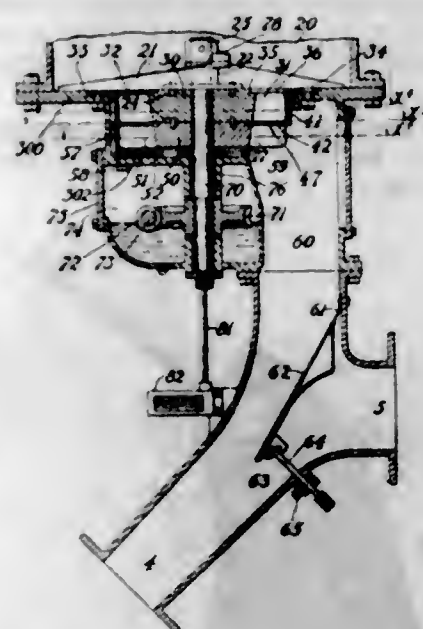
wardly from the burner nozzles, a backplate supporting said radiants, the upper edge of said backplate terminating in substantially the same plane as the upper surface of the radiants, a blanket of interconnected radiant lumps overlying the hollow radiants and suspended from said upper edge of the backplate, an extension plate inclined upwardly and rearwardly from the backplate, said extension plate being adaptable to fill the gap in a fireplace above the gas fire, and a supplemental system of radiant lumps on said extension plate and constituting a substantial continuation of the blanket overlying the radiants.

1,736,242. FUEL PUMP. ANDRÉ C. ATTENDU, Montreal, Quebec, Canada. Filed Jan. 25, 1924. Serial No. 688,591. 6 Claims. (Cl. 123-139.)



1. A fuel pump comprising a delivery plunger, a cam for operating said plunger in one direction, means for operating said plunger in the opposite direction, a cam shaft carrying said cam, means for regulating the stroke of the plunger and simultaneously rotating the cam shaft to change the setting of the cam in such manner as to vary the quantity of fuel delivered by the plunger without changing the time of delivery, and means for rotating the cam shaft to effect an independent adjustment of the cam when it is desired to change the time of delivery for any quantity of fuel within the delivery capacity of the pump.

1,736,243. APPARATUS FOR FEEDING AND METERING PULVERULENT MATERIAL. ERVIN G. BAILLY, Cleveland Heights, Ohio, assignor, by mesne assignments, to Fuller Lehigh Company, a Corporation of Delaware. Filed Apr. 22, 1925, Serial No. 25,150. Renewed Apr. 5, 1929. 12 Claims. (Cl. 83-44.)



1. An apparatus for feeding pulverulent material, comprising a bin or reservoir for the material to be fed; a

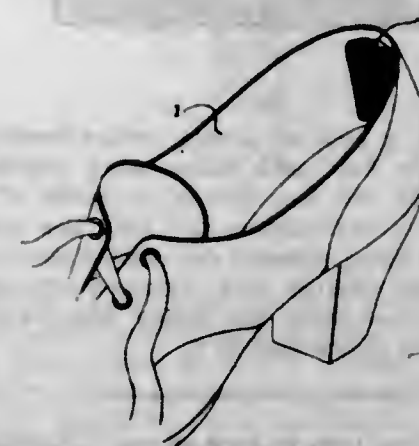
preparing appliance located below the same, comprising a number of pockets, and an apertured cover plate between said pockets and the supply reservoir, which covers a portion of the pockets and leaves the others in communication through the aperture with the reservoir, and a similar apertured plate below the pockets, covering the lower ends of said pockets where uncovered by the upper plate and leaving the lower ends uncovered where covered by the upper plate; means for producing a relative movement of said pockets and said cover plates whereby the pockets are alternately uncovered at top while covered below and uncovered below while covered at the top, and an air vent for said pockets in the lower side of said first named cover plate.

1,736,244. BALL SHOOTING GALLERY. LONNIE G. BAKER, Mineral Wells, Tex. Filed July 11, 1928. Serial No. 291,946. 2 Claims. (Cl. 273-183.)



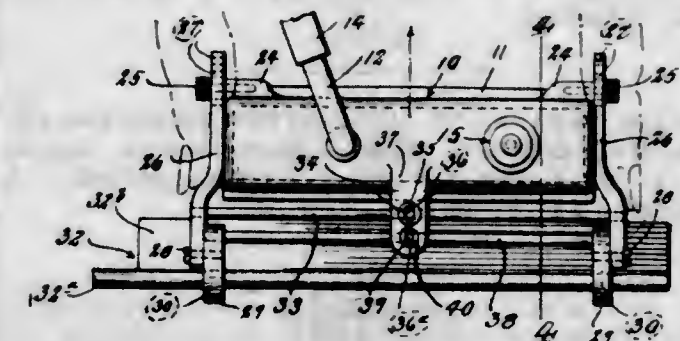
1. In a device of the class described, a casing inclusive of a box-like rear structure having front and rear walls, a partition intermediate said walls dividing said box-like rear structure into front and rear compartments, a movable target in said front compartment, means in the rear compartment for moving said target, said front wall having an opening therein for the passage of a missile projected from the front of the casing and intended to strike said target, a gun at the front of the casing for projecting a missile, and a forwardly and downwardly inclined platform extending from said partition through the front wall of said box-like rear structure to the front of the casing down which projected missiles are adapted to roll to the front of the casing.

1,736,245. STOCKING PROTECTOR. MICHAEL MATTHEW BASAR, JR., Omaha, Nebr. Filed Sept. 17, 1928. Serial No. 306,407. 8 Claims. (Cl. 36-55.)



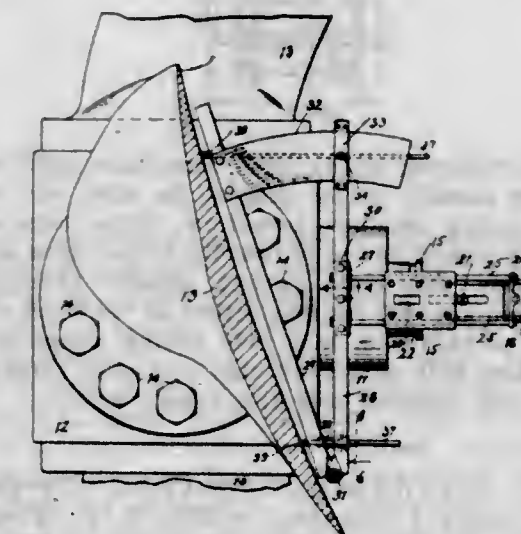
1. A stocking protector comprising a plate attached to the inner surface of the counter of a shoe, and a strip of fabric overlying said plate and having a portion engaged by the heel of the stocking and capable of movement therewith, said fabric partaking of limited movement with respect to the said plate.

1,736,246. SKIN-GRAFT SURGICAL INSTRUMENT. VILRAY P. BLAIR, St. Louis, Mo. Filed Feb. 25, 1929. Serial No. 342,343. 14 Claims. (Cl. 128-305.)



1. A skin graft surgical instrument comprising a suction box having an opening to draw up the skin, and a knife element operable in correlation with said box for severing the skin thus displaced by said box.

1,736,247. PITCHOMETER. ROBERT I. BODENLOS, Cleveland, Ohio, assignor to The American Shipbuilding Company, Cleveland, Ohio, a Corporation of New Jersey. Filed Apr. 20, 1927. Serial No. 187,559. 12 Claims. (Cl. 33-174.)



2. A pitch board comprising two relatively movable pivoted bars, means for holding one of said bars in fixed position with reference to the axis of the propeller, and a pair of blade contactors slidably supported by said last mentioned bar.

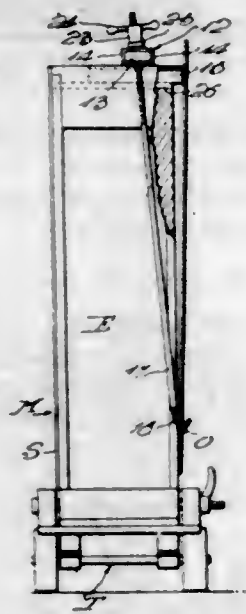
1,736,248. BAR-HEATING FURNACE. FRANK W. BROOKE, Pittsburgh, Pa. Filed Dec. 31, 1927. Serial No. 248,851. 3 Claims. (Cl. 263-6.)



1. In a furnace for heating sheet-bars having a heating chamber and a supporting-track for the bars arranged in said chamber, means arranged at one end of said track for impelling the bars broadside on edge and in contiguous succession upon and over said track, means arranged adjacent to said entrance end of said track for engaging

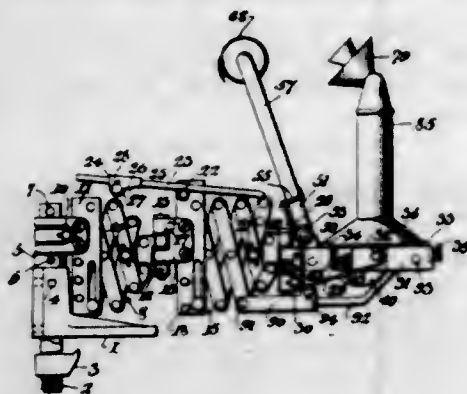
the rearmost bar on the track and preventing the bars from falling backwardly, and yielding means arranged to bear upon the upper edges of the bars adjacent to the opposite end of said track for preventing the bars from falling forwardly.

1,736,249. MEANS AND METHOD FOR REMOVING DETACHABLE MOLD SIDES. EDWIN BURKE, Manila, P. I. Filed Sept. 24, 1928. Serial No. 307,913. 10 Claims. (Cl. 18—40.)



8. In a removing means for a detachable mold side; a bar to rest slidably on the ends of the mold, the ends of said bar having openings, transverse thrust bars secured to the first named bar to outwardly thrust upon said detachable side, pull rods passing slidably through said openings and adapted for disposition at the outer sides of said ends of the mold, said rods having means for connecting them with said mold side, and nuts threaded on said rods and abutting said first named bar.

1,736,250. MULTIPLE MANIPULATING SUSPENSION ARM. JAMES A. CAMERON, Buffalo, N. Y. Filed Feb. 1, 1926. Serial No. 85,319. 9 Claims. (Cl. 179—153.)

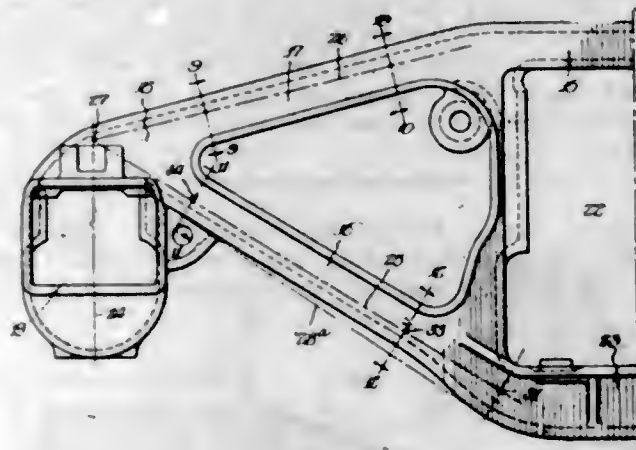


1. In combination, a base, a support hinged to said base and comprising a plurality of separately operating extensible units, flexibly connected to each other and only movable along definite directive planes, and adapted to be manually controlled separately or together to extend in varying and distinct angles of travel to each other.

1,736,251. SIDE FRAME. GEORGE S. CHILES, St. Louis, Mo., assignor, by mesne assignments, to Scullin Steel Co., St. Louis, Mo., a Corporation of Delaware. Filed Apr. 16, 1926. Serial No. 102,386. 27 Claims. (Cl. 105—205.)

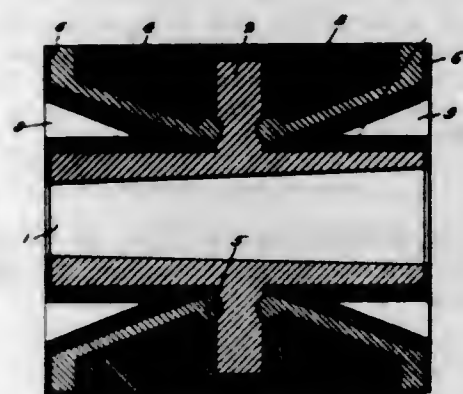
1. A side frame comprising a tension member and a compression member arranged in angular relation with each

other, said members being joined in a common region and having a journal box disposed at said common region, the cross sectional areas of said members having their centers of area disposed along smooth lines intersecting substantially in a medial vertical plane of said journal



box, the smooth line representing the centers of area of said tension member under no load condition being a curve having as a chord a straight line connecting the limits of said centers of area in said tension member, said curve being disposed above said straight line.

1,736,252. PISTON CONSTRUCTION. RALPH C. CLARK, Los Angeles, Calif., assignor of forty-nine per cent to Frank E. McCaughey, Los Angeles, Calif. Filed Mar. 13, 1928. Serial No. 261,239. 3 Claims. (Cl. 74—109.)



1. In a piston, a hub, an annular flange formed on the outer face of the hub, said flange being provided with spaced sockets in one face thereof, a series of complementary segments surrounding the hub, the inner ends of the segments being rounded for disposition within the respective sockets whereby said segments are capable of radial swinging movement, and piston ring forming rims on the outer ends of the segments.

1,736,253. VALVE AND VALVE-STEM CONSTRUCTION FOR SELF-GRINDING VALVES. LLOYD D. COLLAR, Berkeley, Calif., assignor to Collar Valve Corporation, Berkeley, Calif., a Corporation of California. Filed July 18, 1928. Serial No. 293,572. 1 Claim. (Cl. 251—44.) A valve stem assembly for a valve of the character described comprising a valve stem having an intermediate threaded portion of a diameter slightly larger than the remainder of the stem, an annular collar formed on said

valve stem of a diameter substantially the same as said threads, the extremity of the valve stem beyond said



collar being threaded, a valve disk threaded on to said threaded end against said collar, and clamping means clamping said disk in position.

1,736,254. SEATER AND PACKER. RAY L. DAVIS, Wheeling, W. Va., assignor, by direct and mesne assignments, to The Oil Recovery Corporation, Wheeling, W. Va., a Corporation of West Virginia. Filed Mar. 12, 1928. Serial No. 261,110. 8 Claims. (Cl. 166—10.)

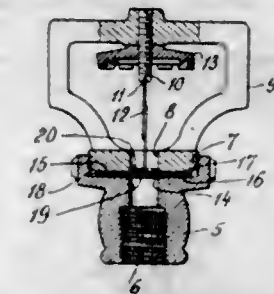


3. A device of the class described comprising separate upper and lower tubular body sections spaced apart and of rigid inexpandible nature, a resilient longitudinally split tube extending between and connected to said body sections, an expansible sleeve surrounding said tube, and means for outwardly springing said tube to thereby expand said sleeve.

1,736,255. SPRINKLER HEAD. HOWARD WATERS DOUGHTY, Amherst, Mass. Filed June 26, 1928. Serial No. 288,466. 5 Claims. (Cl. 169—38.)

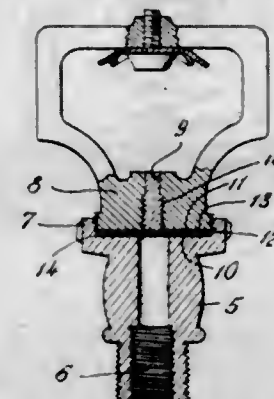
4. In a sprinkler head the combination of a base having an opening affording a passage for liquid, a fusible link

support connected to the base and having an opening registering with the opening in the base, a frangible diaphragm between the base and support, a disk engaging the dia-



phragm and a fusible link between the disk and the support whereby rupture of the diaphragm is prevented until the fusible link is released.

1,736,256. SPRINKLER HEAD. HOWARD WATERS DOUGHTY, Amherst, Mass. Filed Dec. 6, 1928. Serial No. 324,094. 3 Claims. (Cl. 169—37.)



1. In a sprinkler head for use in fire extinguishers in which the pressure normally maintained in the extinguisher is below the operating pressure, the combination of a base having an opening affording a passage for fluid from the extinguisher, a nozzle having an outlet, and means subject to dual control of temperature and fluid pressure including a frangible diaphragm and a plug of fusible material in the nozzle outlet, said means preventing the escape of fluid through the opening in the base and nozzle outlet until the pressure in the extinguisher reaches a predetermined amount above that normally maintained and until said plug has fused.

1,736,257. CANNING APPARATUS. OWEN T. DOUGLASS, Kalaheo, Territory of Hawaii. Filed Dec. 3, 1928. Serial No. 323,521. 5 Claims. (Cl. 226—18.)

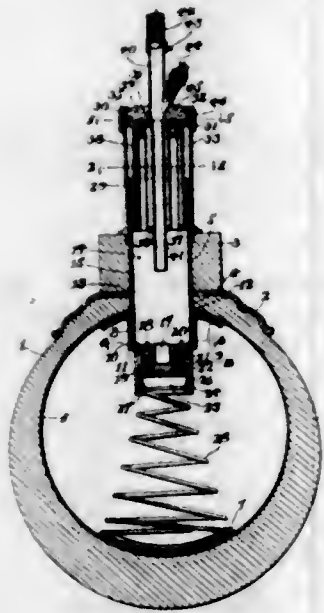


1. A canning appliance for recovering half slices of fruit and the like comprising a horizontally disposed receptacle adapted to receive the fruit in an edgewise position, a knife slidably mounted along the top of said receptacle adapted to be moved over the fruit and cut away the top portions thereof, a gate intermediate the ends of said receptacle adapted to hold the fruit during the cutting operation, and means at the end of said receptacle adapted to receive the remaining halves of fruit when said gate is opened and said fruit discharged from the receptacle.

1,736,258. INFLATION DEVICE FOR PNEUMATIC TIRES. JOHN ORVILLE ECKER, San Mateo, Fla. Filed June 11, 1928. Serial No. 284,617. 3 Claims. (Cl. 152—11.)

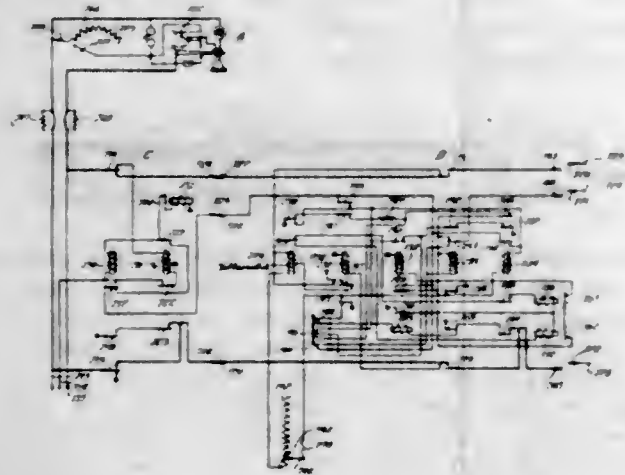
1. An inflation device for pneumatic tires comprising a stationary plunger for positioning inwardly of the felloe

of a wheel, said plunger being formed with lengthwise extending intake tubes opening at the ends of the plunger and each provided at one end with a closure valve, a resiliently supported, spring controlled, movable plunger having a head and a tubular portion, the latter being open at one end and having its other end merging into said head, said tubular portion having a part thereof sur-



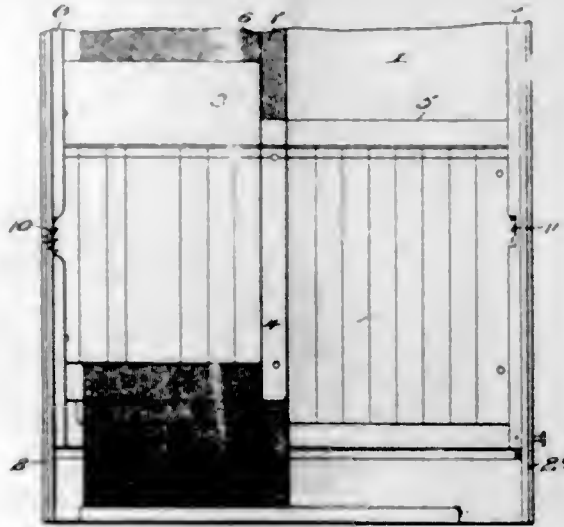
rounding said stationary plunger, said intake tubes opening into said tubular portion, said head having arranged therein valves for closing said tubular portion to the inner tube of the tire, and suspension means for said stationary plunger for inclosing the latter and adapted to be fixedly secured to and extend inwardly from the felloe of a wheel.

1,736,259. AUTOMATIC TELEPHONE SYSTEM. JOHN E. GARDNER, Chicago, Ill., assignor to Brown, Boettcher & Diener, Chicago, Ill., a Copartnership consisting of Charles A. Brown, Arthur H. Boettcher, and John A. Diener. Filed May 11, 1927. Serial No. 190,397. 17 Claims. (Cl. 179-18.)



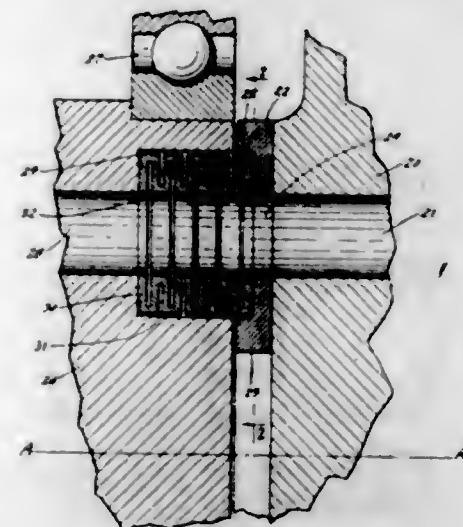
1. The method of controlling a selecting device having a directly controlled and an automatic movement which consists in modifying the electrical conductance of a circuit extending to said device while maintaining the circuit closed and causing a single means in said device to become operative responsive to such modification to control the operation of the device in its directly controlled movement and to initiate its automatic movement.

1,736,260. FORM-COLLATING MEANS. FRANKLIN C. GIBSON, Fairfax County, Va., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Apr. 12, 1926. Serial No. 101,596. 3 Claims. (Cl. 197-127.)



1. Form locating means including a form and a locator having respectively inclined teeth adapted to interlock and thereby resist transverse movement of the form away from the locator.

1,736,261. FLUID SEAL FOR INTERMITTINGLY REGISTERING CONDUITS. GEORGE E. A. HALLETT, Detroit, Mich., assignor to General Motors Research Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 31, 1926. Serial No. 126,296. 3 Claims. (Cl. 251-84.)

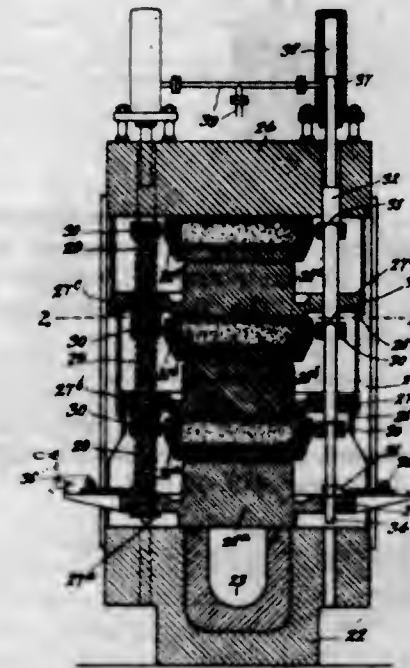


1. The combination of a pair of members having opposed parallel adjacent faces relatively movable past one another, each member having a conduit adapted to register with the conduit of the other, and one of said members having a counterbore forming an enlargement of its conduit at the end adjacent the other member, means for preventing the escape of fluid between said opposed faces comprising an endwise expansible tubular seal seated in the counterbore, a ported valve engaged by the seal to hold its port in registration with the conduit of the member carrying the seal, said valve having the face opposite the seal in slidable engagement with the other member.

1,736,262. HYDRAULIC POT PRESS. PAUL HÄNEL, Dresden-A, Germany. Filed Nov. 29, 1926. Serial No. 151,511, and in Germany Dec. 15, 1925. 2 Claims. (Cl. 100-50.)

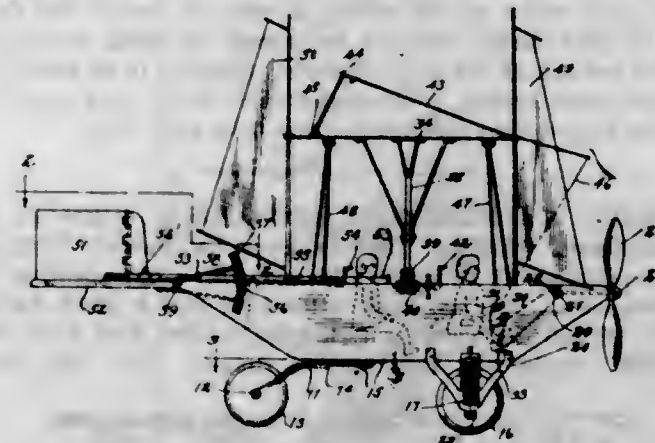
2. In a hydraulic pot press a plurality of press pots and a press head cooperatively associated with each pot,

said press pots and heads alternating with each other in vertically superposed relation, said press heads having guiding flanges at opposite sides thereof, a single guide rod at each side of the press pots and press heads movable with and independently of the latter, coiled springs arranged between each of the press pots and the guiding flanges of the next lower press head, an hydraulic press



for moving the press heads into the respective press pots the said guide rods partaking of such movement, an additional means for moving the guide rods in the opposite direction, said guide rods and the press pots having cooperating parts whereby the press pots are moved downwardly upon the respective press heads to eject the press cake from the pot.

1,736,263. AERONAUTICAL VESSEL. JAKOB HOJNOWSKI, Nekoosa, Wis. Filed Oct. 12, 1928. Serial No. 312,066. 2 Claims. (Cl. 244-2.)

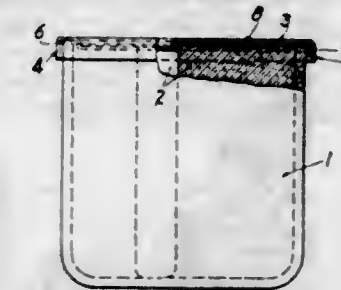


1. In an apparatus of the class described, a body, rear landing wheels cushioned against the body and supporting the rear part thereof, front wheels, an axle for said front wheels, a bi-partite and shouldered bracket carrying said axle, a spring in said bracket resting against the upper shoulders thereof and said axle to cushion the axle, and a plurality of arms securing said bracket to the body, propelling, stabilizing and steering means.

1,736,264. COMPARTMENT JAR. WILLIAM M. JOHNSON, Urbana, Ohio, assignor to The W. H. Marvin Company, Urbana, Ohio, a Corporation of Ohio. Filed July 5, 1927. Serial No. 208,449. 3 Claims. (Cl. 215-6.)

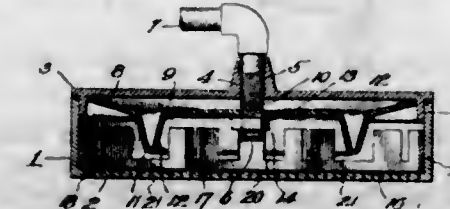
1. A container provided with a plurality of compartments formed by an outer wall and a plurality of inner

walls connected with the outer wall and with each other, the upper surfaces of said outer wall and inner walls being on the same level, and a cap for sealing said com-



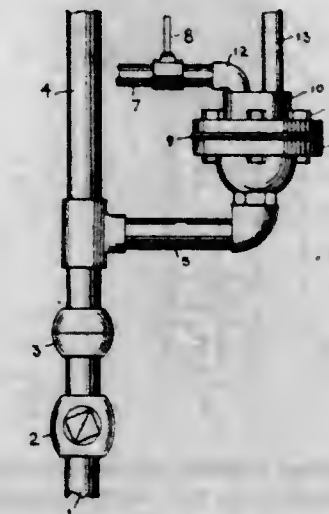
partment as a whole from outside air, said cap being provided with a plurality of sealing grooves registering with each division wall to provide air tight joints between said compartments.

1,736,265. LEACHER BUCKET FOR COFFEE URNS. HENRY D. KELLY, Kansas City, Mo. Filed Feb. 2, 1929. Serial No. 337,031. 5 Claims. (Cl. 53-3.)



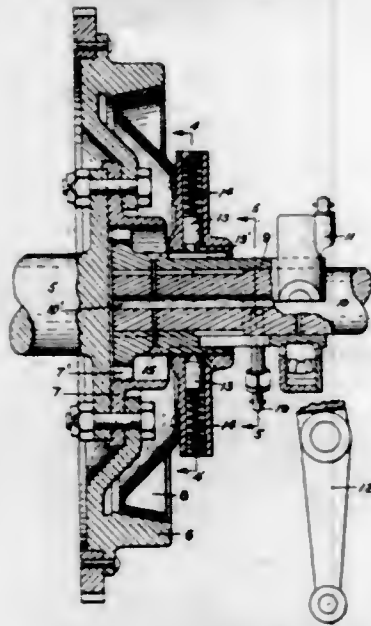
1. A leacher bucket having a foraminous bottom and a cover, means for supplying boiling water to the bucket, and means projecting upward from the bottom of the bucket and providing the latter with a plurality of chambers for holding ground coffee and maintaining it at a substantially uniform depth over the entire surface of the bottom of the bucket.

1,736,266. AUTOMATIC WATER-HEATING SYSTEM. JOHN KIRKBY, San Luis Obispo, Calif. Continuation of application Serial No. 23,589, filed Apr. 16, 1925. This application filed July 2, 1927. Serial No. 203,141. 3 Claims. (Cl. 236-25.)



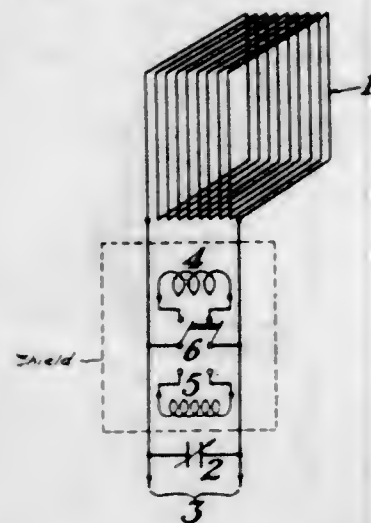
1. In an automatic water heating system the valve described, comprising a conduit adapted for connection with a water system, a diaphragm stretched over the open end thereof and a casting fit over the diaphragm and presenting a cavity facing the latter and shaped to allow the diaphragm to be pressed into intimate contact with the face thereof, the casting being formed with intake and outlet ports communicating through the cavity and adapted to be kept closed by the pressure of the water system and to relax from contact with the wall of the cavity upon release of pressure, thereby opening the gas passage to the burner and a check valve and a stop cock also interposed in the system behind the said valve to regulate the flow of water.

1,736,267. COMPOUND CLUTCH. HARRY A. KNOX, Davenport, Iowa. Filed Oct. 31, 1925. Serial No. 68,068. 1 Claim. (Cl. 192-53.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



In a compound clutch, a friction driven member, a positive driven member controlling the movement of the driven friction member and subsequently engaging after releasing the friction member, and a stop member having means for admitting a lubricant to the positive member adapted to limit disengaging movement of the friction member to insure regaining of control by the positive member.

1,736,268. RADIO SIGNALING CIRCUIT. WILLIAM D. LOUGHLIN, Boonton, N. J. Filed Mar. 5, 1925. Serial No. 13,249. 1 Claim. (Cl. 250-33.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)

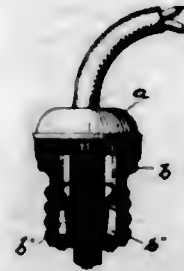


In a radio compass system, the combination of a closed loop circuit susceptible to the electromagnetic component of an incoming wave, a plurality of separate inductance coils of differing values of inductance, means for shielding said coils from said closed loop circuit, means for individually connecting said coils in parallel with said loop circuit, a condenser in parallel with said closed loop circuit and said connecting means, and means for coupling said radio compass system to a receiver.

1,736,269. SEPARABLE ELECTRICAL CONNECTER. ALBERT LYNN LAWRENCE, Cleveland, Ohio. Filed Sept. 29, 1923. Serial No. 665,726. 5 Claims. (Cl. 173-343.)

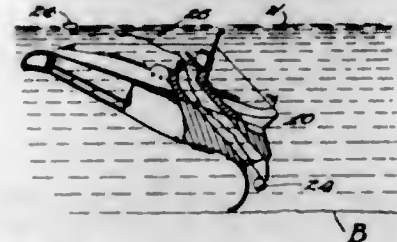
1. In a separable electrical connector, the combination with the plug-member, of protruding electric terminals

spaced apart and extending therefrom, a base-member having contact-containing receptacles positioned to receive said terminals when the two members are assembled, the opposite diametrical walls of said receptacles being higher



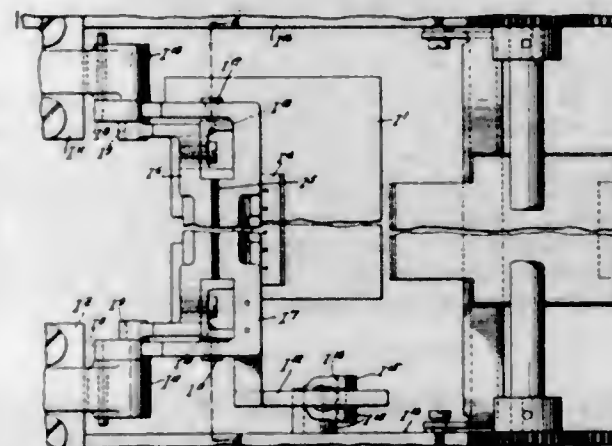
respectively than their opposing walls within the receptacles, and means for bringing the members into axial alignment with the terminals arrested against the walls of said receptacles upon the relative rotation of said members, substantially as set forth.

1,736,270. DIVING TOY SUBMARINE. JOHN J. MACKIN TOSH, Port Richmond, N. Y. Filed June 27, 1927. Serial No. 201,711. 4 Claims. (Cl. 46-37.)



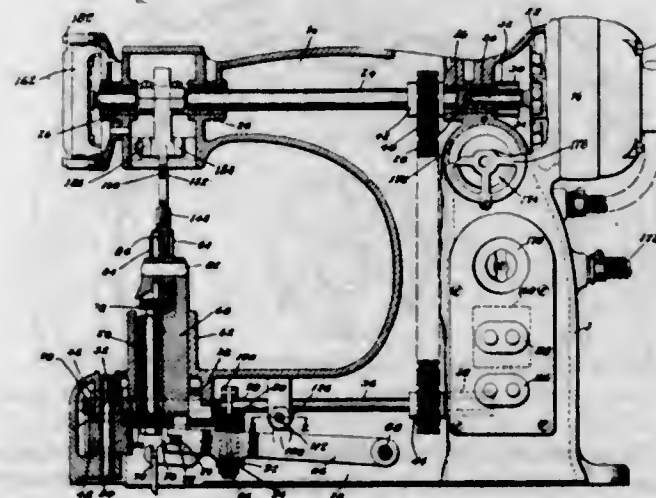
1. A toy diving boat simulating a submarine comprising a buoyant body having an inclined passage therein extending lengthwise of said body, one end which opens above the water-line and the other end below the water-line, a hinged door closing the lower end of said passage, a bowed spring fixed to said body and the free end thereof extending downward, a keeper carried by said bowed spring and normally in engagement with said door to hold the same closed, and a weighted member adapted to be placed into said passage for overcoming the buoyancy of said body when placed within a body of water, the free end of said spring adapted to engage the solid substance at the bottom of the body of water whereby to be flexed to release said keeper from engagement with said door to permit said weight member to drop from said body.

1,736,271. TYPE-CASTING MECHANISM. CHESTER A. MACOMIC, Chicago, Ill., assignor to Patent Product Corporation of Chicago, Chicago, Ill., a Corporation of Delaware. Original application filed May 6, 1925. Serial No. 28,290. Divided and this application filed Sept. 19, 1927. Serial No. 220,611. 18 Claims. (Cl. 199-55.)



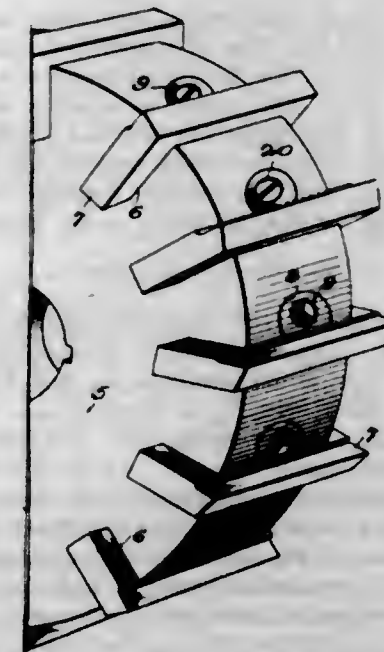
1. In a type casting machine, mold side elements pivoted about adjacent but eccentric axes of rotation, said axes being positioned upon the same side of the mold.

1,736,272. SEAM-PRESSING MACHINE. WILLIAM C. MEYER, deceased, Beverly, Mass., by Anne W. Meyer, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 26, 1924. Serial No. 740,099. 19 Claims. (Cl. 69-7.)



1. In a motor driven seam pressing machine, seam pressing means, a rotary work support, parallel shafts respectively connected to operate the seam pressing means and to rotate the work support, an electric motor having an armature shaft directly connected in telescoping relation with one of said shafts, a fixed bearing surrounding the telescoping portions of the last mentioned shaft and the armature shaft, and driving connections between said parallel shafts.

1,736,273. INSERTED-BLADE CUTTER. FRANK P. MILLER, Meadville, Pa. Filed May 16, 1925. Serial No. 30,784. 9 Claims. (Cl. 29-105.)

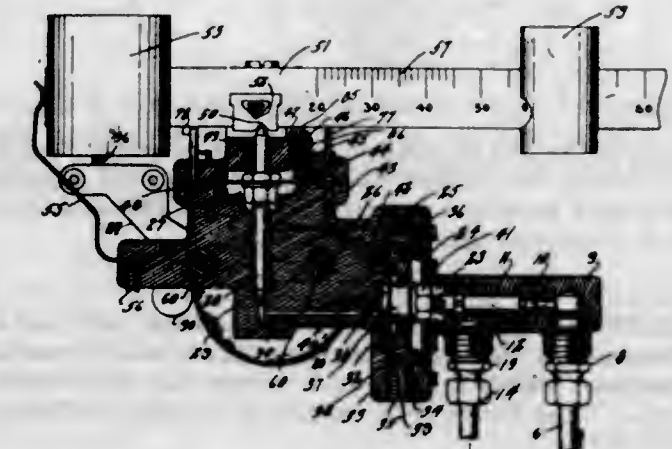


1. A rotary cutter comprising a body having a slot and a socket in one side wall of said slot, a blade in said slot, a wedging member in said socket, said blade and said wedging member being provided with interfitting approximately radial serrations deepened toward the ends thereof.

1,736,274. TIRE-INFLATING APPARATUS. EARL M. MORLEY, Delta, Ohio, assignor to The Air-Scale Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 25, 1927. Serial No. 186,277. 22 Claims. (Cl. 50-11.)

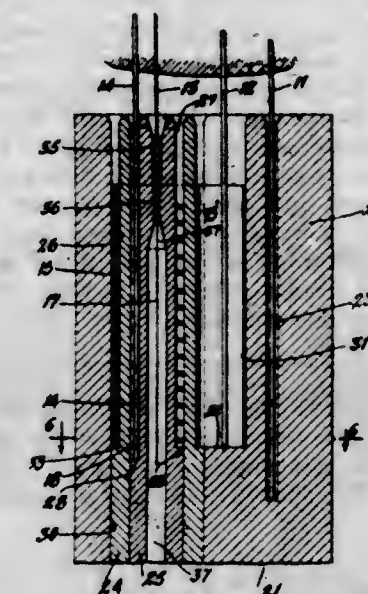
1. A housing comprising a primary flow section, a secondary flow section, a valve chamber in the primary

flow section, a valve in the chamber, said primary section having an intake port to be normally closed by the valve, a discharge port for controlling delivery of flow from the chamber as supplied through said intake port, a normally closed discharge valve for said discharge port, said secondary flow section having a valve chamber provided with a restricted by-pass connection with the primary flow section chamber, a secondary valve in said secondary chamber,



said secondary section having a delivery duct from its chamber normally closed by said secondary valve, a pressure responsive device for the primary chamber valve to which device said secondary chamber delivery duct extends, said secondary section providing an outlet port from said delivery duct, and a controller for the secondary section valve normally closing said outlet port for maintaining gaseous pressure in said delivery duct while the primary valve is closed.

1,736,275. AMPLIFIER AND DETECTOR BULB AND PROCESS OF MAKING THE SAME. GEORGE HENRY PERRYMAN, West New York, N. J., assignor, by mesne assignments, to Perryman Electric Co., Inc., a Corporation of Delaware. Filed Nov. 1, 1924. Serial No. 747,163. 13 Claims. (Cl. 250-27.5.)

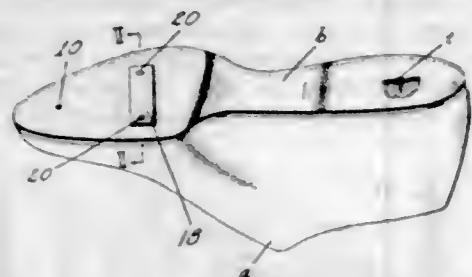


1. The process of providing an element for an amplifier or detector bulb comprising first fastening said element to its supporting lead wire, and then fastening said lead in supporting position in the glass of said bulb.

1,736,276. INSOLE-POSITIONING MEANS. ARTHUR F. PYM, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 11, 1928. Serial No. 245,964. Renewed Feb. 12, 1929. 10 Claims. (Cl. 12-141.)

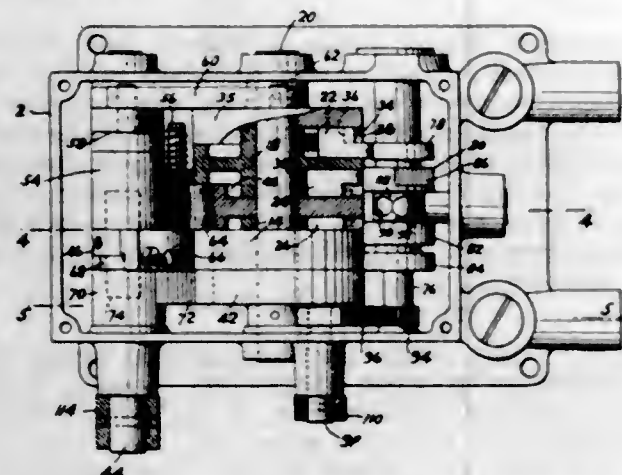
1. Means for positioning an insole on a last comprising a member adapted to be applied over the bottom face of

the insole and portable with the last and insole, said member having on one side thereof a plurality of pins arranged to project through the insole into holes in the



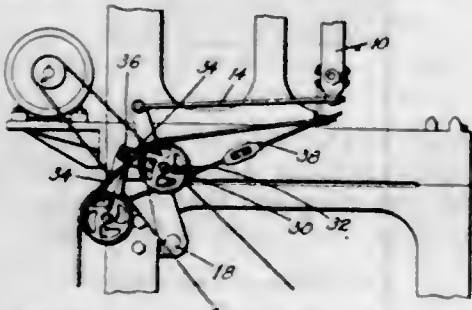
bottom of the last to position the insole in proper lengthwise, lateral and angular relation to the last, the opposite side of said member being free from any substantial projection heightwise of the last.

1,736,277. GEAR-CHANGING MECHANISM. EDWARD J. RODIERA, Glen Olden, Pa., assignor to Lewis Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 5, 1928. Serial No. 267,562. 2 Claims. (Cl. 74—58.)



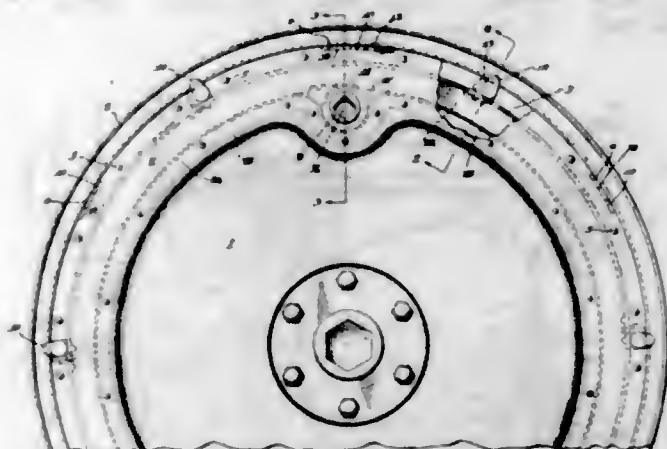
1. In a gear changing mechanism, a rotatable gear shifting member, a second rotatable member, means operable to couple said members, clutch shifting mechanism, and connections between said second rotatable member and the clutch shifting mechanism whereby the operation of the clutch shifting mechanism rotates said second rotatable member, said connections including a pawl, a member engageable with the pawl, a cam, and a follower for the cam carried by the pawl and adjustable relatively thereto, said cam being operative to release the pawl from the member engageable therewith at a predetermined period in the movement of the second rotatable member determined by the adjustment of the follower.

1,736,278. LAST LATHE. WALTER W. SLACK, Springfield, Vt., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Oct. 29, 1927. Serial No. 229,736. 17 Claims. (Cl. 142—15.)



1. In a copying lathe, a swing frame, a flexible tension member having one end fastened to the swing frame and arranged to pull the swing frame toward zero position, a movable abutment over which the tension member hangs, and means for altering the effective position of the abutment to vary the restoring force on the swing frame during each swing of the frame.

1,736,279. WHEEL. CHARLES A. SULLIVAN, Detroit, Mich. Filed Nov. 28, 1928. Serial No. 150,790. 3 Claims. (Cl. 301—28.)



1. In a wheel, the combination of a body including a peripheral wall portion, a channel shaped felloe secured to said wall, a plurality of locking bolts journaled in said felloe channel transversely thereof, said bolts being each provided with a laterally projecting portion to engage a rim demountably mounted on said felloe and with teeth, a ring member formed with teeth to engage the teeth on said bolts, said ring member being mounted within the meeting angle between said channel felloe and said wall, and an annular member secured to said wall and channel felloe and forming a guide and housing for said ring member.

1,736,280. PROCESS OF MANUFACTURING ARTIFICIAL SILK AND THE LIKE. HARRY P. BASSETT, Cincinnati, Ky., and THOMAS F. BANIGAN, Clifton Heights, Pa., assignors, by mesne assignments, to said Bassett. Filed May 19, 1924. Serial No. 714,407. 3 Claims. (Cl. 18—54.)

1. In the herein described process of manufacturing artificial silk and the like, the steps of washing freshly spun cuprammonium silk filaments to remove excess alkali therefrom, twisting said filaments while in wet condition, further washing said filaments without tension, removing a major portion of the moisture content of said filaments without tension and thereafter further reducing the moisture content of the filaments under tension.

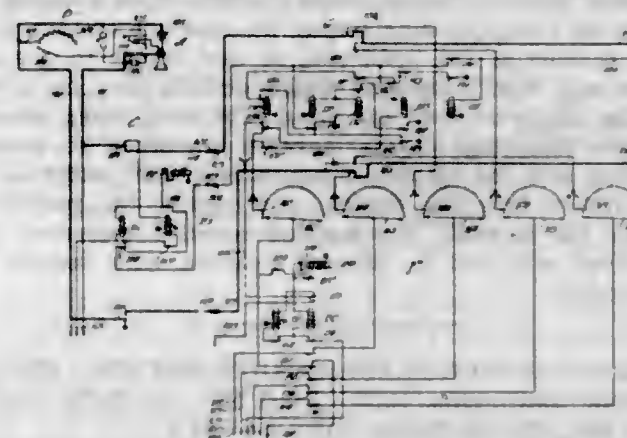
1,736,281. METHOD OF MAKING BASE EXCHANGE MATERIALS. ABRAHAM SIDNEY BEHEMAN, Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 29, 1924. Serial No. 738,597. 9 Claims. (Cl. 23—113.)

8. The method of producing a base exchange silicate which comprises mixing in solution about 31 moles of sodium silicate with about 8 to 10 moles of basic aluminum sulphate, the concentration being such that upon mixing a gel will form, embracing substantially all of the constituent elements of the mixture drying the reaction mass, and then leaching.

1,736,282. PROCESS OF TREATING METAL TO REMOVE SCALE. CHARLES FISCHER, Jr., Wyoming, and LOU A. STROEMMYER, Cincinnati, Ohio, assignors to The Twitchell Process Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 25, 1928. Serial No. 280,845. 10 Claims. (Cl. 148—8.)

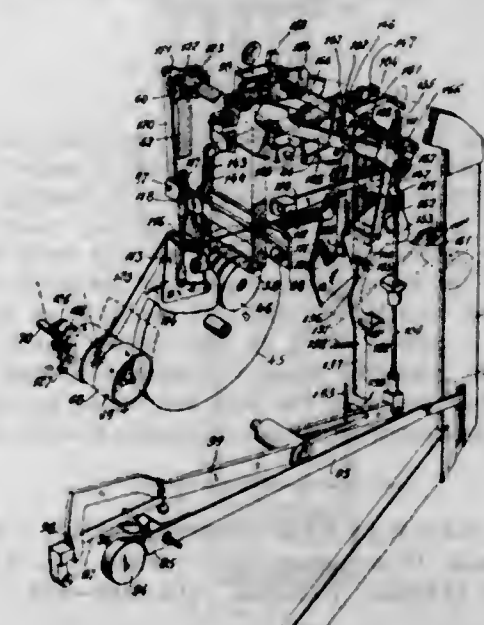
1. The process of inhibiting the action of a scale removing bath of mineral acid upon the metal from which the scale is to be removed, said process comprising, introducing into said bath a mineral oil anaphonic reagent of the class recovered from the operation of refining mineral oil to produce relatively white oil.

1,736,283. AUTOMATIC TELEPHONE SYSTEM. JOHN E. GARDNER, Chicago, Ill. Filed July 14, 1927. Serial No. 205,877. 7 Claims. (Cl. 179—18.)



1. The method of controlling a selecting device having access to a plurality of lines from a line which comprises bringing the resistance of the line to a predetermined value, varying the line resistance through definite steps from that value, comparing the line resistance as varied with a predetermined value, and governing the operation of the selecting device solely by said comparison to select one of said lines.

1,736,284. WEIGHING AND TICKET-PRINTING MACHINE. GUSTAV F. HOCHRIEM, Chicago, Ill., assignor to Rhodes-Hochriem Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 14, 1928. Serial No. 135,316. 23 Claims. (Cl. 104—47.)

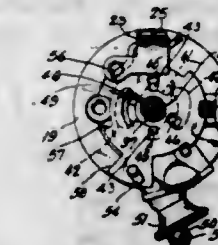


15. In a weighing and ticket-printing machine having a weighing mechanism including a movable printing member responsive to weight, a printing mechanism including said printing member, a continuous strip of tickets, mechanism for feeding said tickets into printing relation with said printing mechanism, ticket-cutting mechanism including a movable knife, means for actuating said printing mechanism and thereby effecting a printing action of said member upon one of said tickets and for moving said knife into position for cutting, latching means for holding the knife in position for cutting, and means for actuating said ticket-feeding mechanism and for tripping said latching means to permit said knife to cut off the printed ticket.

1,736,285. INDICATING PULL SOCKET. HARVEY HUBBELL, Bridgeport, Conn.; Louie E. Hubbell executrix of Harvey Hubbell, deceased. Filed Sept. 21, 1926. Serial No. 136,746. 12 Claims. (Cl. 173—354.)

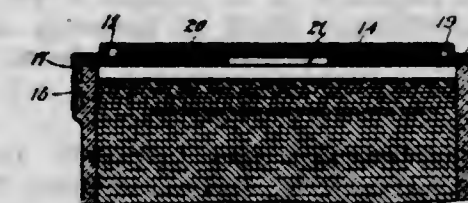
1. In a pull socket, a rotatable switch member, an oscillating member having a ratchet connection with said switch

member to rotate it with a step by step movement, said oscillating member being mounted to turn in two different planes, stops in said planes located to hold the oscillating



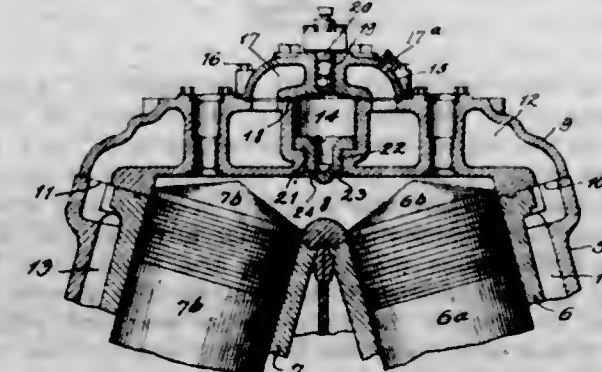
member in different angular positions, means connected to said member to operate it in one direction to shift the switch member, and a spring to swing the oscillating member in the opposite direction.

1,736,286. CONTAINER COVER. CLEN S. HUMPHREY, Brooklyn, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 1, 1927. Serial No. 230,288. 5 Claims. (Cl. 215—38.)



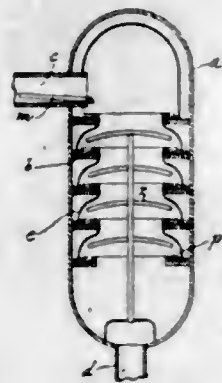
1. A container including a body having an open exteriorly threaded upper end, and a cover therefor including a top wall having an upward offset medial portion conforming substantially to the size of the opening of the container body and a marginal flange having mating internal threads for connecting the cover and body, and a disk frictionally fitted within the cover flange against the top wall and defining together with the upwardly offset medial portion, a compartment approximately the size of the opening of the container body for holding a pamphlet, folder or the like.

1,736,287. INTERNAL-COMBUSTION ENGINE. CARL H. KNUDSEN, New York, N. Y. Filed Feb. 19, 1926. Serial No. 89,321. Renewed Feb. 6, 1929. 3 Claims. (Cl. 123—33.)



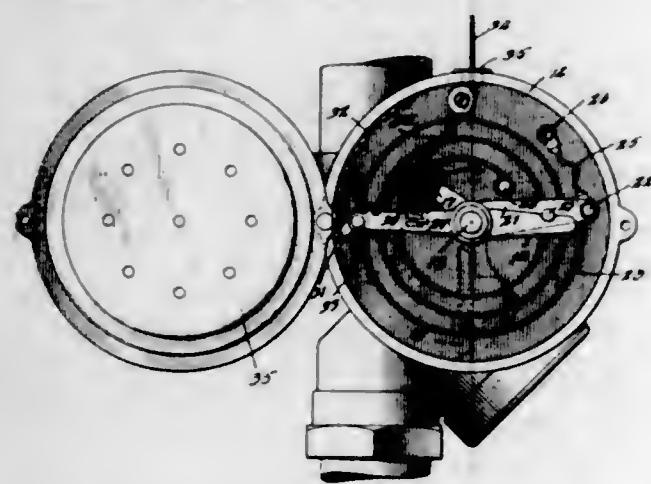
1. A cylinder head having angularly disposed faces adapted to seat upon cylinders converging at their head ends, a combustion chamber in said head, an auxiliary chamber in said head and in communication with said combustion chamber, a nozzle controlling the communication between the auxiliary chamber and combustion chamber, said nozzle being detachable with respect to the head and provided with pairs of oppositely disposed discharged apertures, said combustion chamber and auxiliary chamber being water-jacketed, a cap detachably mounted on the head and having a portion forming a closure for the upper end of the auxiliary chamber and a fuel injecting nozzle mounted in said cap and adapted to direct fuel into said auxiliary chamber, and said cap having a water jacket exposed to the water jacket of the cylinder head.

1,736,288. REFRIGERATION. CARL GEORG MUNTERS, Stockholm, Sweden, assignor to Electrolux Serval Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 7, 1927. Serial No. 159,534. and in Sweden Jan. 8, 1926. 7 Claims. (Cl. 62-119.5.)



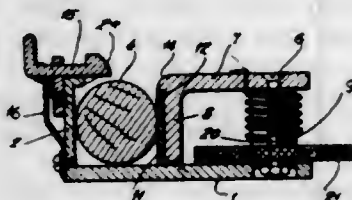
1. An evaporator for refrigerating apparatus comprising members forming liquid cooling agent retaining surfaces and relatively dry surfaces, means for conducting a gas through the evaporator in the presence of which the refrigerant evaporates and means for insulating the gas in its passage from the relatively dry surfaces.

1,736,289. DUAL-CONTROL GAS CUT-OFF. HOWARD J. MURRAY, Brooklyn, N. Y., assignor to Henry Sieben, Hadley, N. Y. Filed Nov. 30, 1926. Serial No. 151,819. 10 Claims. (Cl. 137-162.)



2. In a valve construction, the combination of a normally open valve provided with a valve stem, an arm secured to the valve stem, an actuating arm loose on the valve stem, a pull member engaging the actuating arm to close the valve and a spring between said arms, said spring being normally not under any material tension but acting when the actuating arm is advanced by means of the pull member to bear on the arm secured to the stem to advance the valve to its seat and acting on the further advance of the actuating arm to force the valve tightly onto its seat.

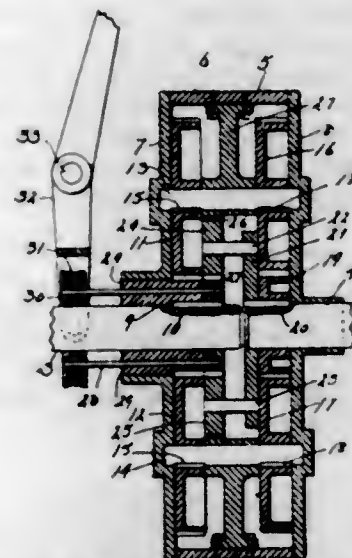
1,736,290. AUTOMATIC CLAMP. ALBERT I. SCHIFF, New York, N. Y. Filed Mar. 7, 1929. Serial No. 345,001. 5 Claims. (Cl. 24-249.)



5. An automatic clamp embodying a suitable base provided thereon with a fixed jaw, a movable jaw mounted

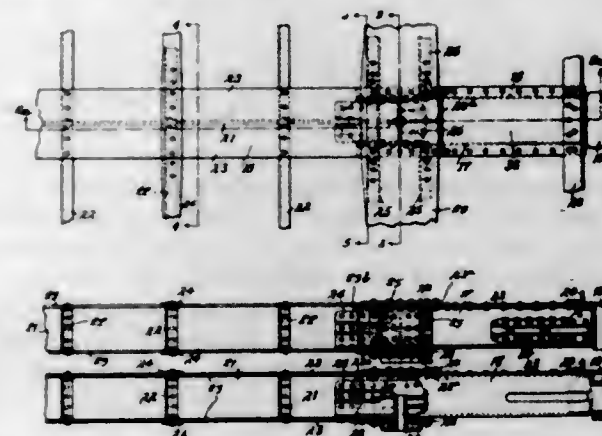
for pivotal movement on the base on a fixed axis and having a curved cam shaped clamping face positioned in opposed relation to the fixed jaw to provide between the clamping faces of the fixed and movable jaws a recess to receive an article to be clamped, at least one of said jaws being beveled at the open side of said recess to provide a reentrant mouth through which articles may be forced into the space between the jaws, said bevel being shaped to cause retraction of the movable jaw when an article is forced into the reentrant mouth to permit entrance of said article into the mouth, and means for positively locking the movable jaw against rotative movement on said fixed axis and in clamped position with respect to said article.

1,736,291. POWER-TRANSMISSION DEVICE. KELLER SHANK, Burlington, N. J. Filed Mar. 24, 1928. Serial No. 264,299. 2 Claims. (Cl. 74-34.)



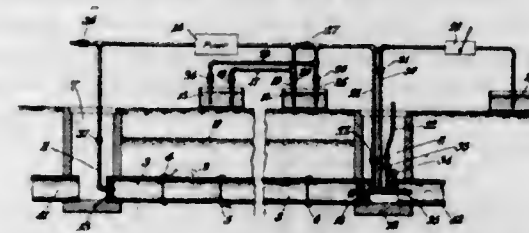
1. A power transmission device comprising the combination of a driving shaft, a driven shaft in endwise alignment therewith, a housing mounted on the meeting ends of said shafts, a pinion fixed to the driving shaft within the housing, gears meshing therewith and fixed to counter shafts in the housing, other gears of less pitch diameter than the first mentioned ones also mounted on the counter shafts, a pinion fixed to the driven shaft and of greater pitch diameter than the pinion on the driving shaft and meshing with the last mentioned gears, and a train of gears connected with both shafts and the housing.

1,736,292. RAILWAY-CAR CONSTRUCTION. WILLIAM C. SLEEMAN, Birmingham, Ala. Filed Jan. 11, 1928. Serial No. 245,898. 7 Claims. (Cl. 105-416.)



1. A railway car having a center sill comprising a single solid rolled section, said section having a central vertically disposed web and laterally extending flanges at the top and bottom thereof, and draft sills secured to said flanges between said flanges at the ends of said section.

1,736,293. METHOD AND APPARATUS FOR REPAIRING LEAKY CONDUITS. JOHN W. VAN DENBURG, New York, N. Y. Filed Dec. 14, 1927. Serial No. 239,891. 18 Claims. (Cl. 137-99.)



1. The method of repairing leaky conduits which comprises introducing a sealing material into the conduit and forcing it into the leaks, removing the sealing material from the inside of the conduit before it sets and maintaining sufficient pressure in the conduit to prevent the sealing material which remains at the leaks from returning into the conduit while it is setting.

1,736,294. PLASTER COMPOSITION. FREDERICK M. VENZIE, Philadelphia, Pa. Filed June 16, 1923. Serial No. 845,717. 1 Claim. (Cl. 106-34.)

A plaster composition for building purposes comprising about one part of plaster-of-Paris, about one quarter part of asbestos powder; about one-half-part of sawdust; and a sufficient quantity of water to procure a mixture.

1,736,295. WATERPROOF RECEPTACLE. ARTHUR VON FRANKENBERG, New York, N. Y. Filed July 20, 1928. Serial No. 294,093. 8 Claims. (Cl. 206-38.)

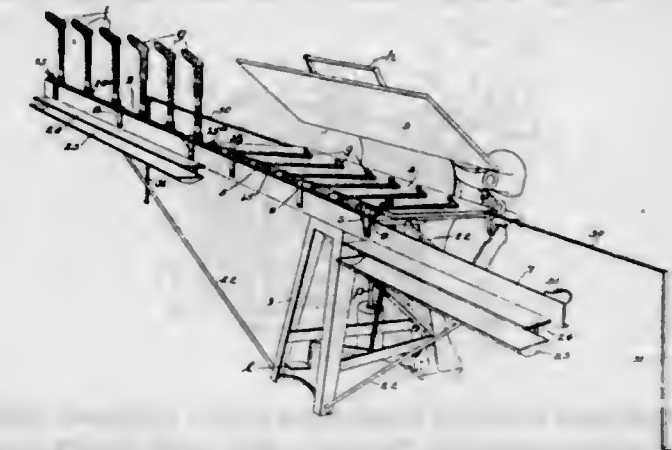


7. In an article of the class described, the combination with a case having an opening, of a waterproof cover for said opening, an elastic cushion in said cover, a spring bearing on the cushion, a rectangular external pivoted handle having a cross piece engaging the cover when closed and side pieces integral with the cross piece, studs in the wall of the case to which the side pieces of the handle are secured, and interior series of inter-pivoted links connecting the studs with the cover spring so that the handle may open and close the cover.

1,736,296. GARMENT PRESS. JULIUS OTTO VON STETTEN and OTTO U. HOFMANN, Philadelphia, Pa., assignors, by mesne assignments, to The Prosperity Company, Inc., a Corporation of New York. Filed Jan. 2, 1924. Serial No. 683,933. Renewed Sept. 22, 1928. 22 Claims. (Cl. 223-17.)

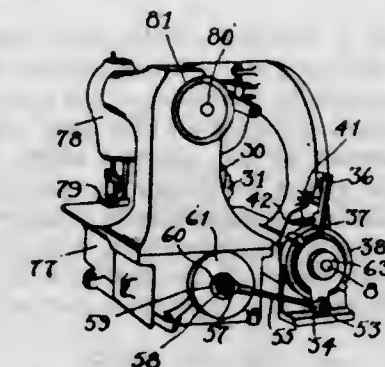
1. A garment pressing machine comprising opposed pressing members; a track located at one side of said

presser member and extending laterally beyond opposite sides thereof; and a pair of garment supporting units, each of which is provided with a plurality of garment



forms, slidable on said track; said units being arranged end-to-end and adapted to be moved together; and means, operative upon a predetermined movement of said units, to swing one of said units relatively to the other.

1,736,297. PULLER-FEED SEWING MACHINE. JOHN P. WEIS, Nyack, N. Y., assignors to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Filed Feb. 2, 1927. Serial No. 165,265. 10 Claims. (Cl. 112-214.)

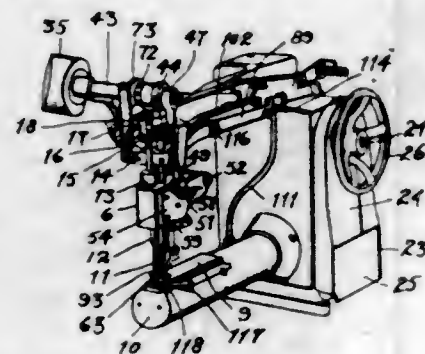


4. The combination of a sewing machine having an overhanging arm and provided with stitching and feeding mechanism at one end, a puller feed machine also having an overhanging arm located in operative relation in alignment with the sewing machine arm, and having its feeding mechanism substantially aligned with the sewing machine stitching and feeding mechanism, a driving means accessibly located at the opposite end of the sewing machine from said feeding mechanism for operating said puller feed machine, said driving means for the puller feed machine and the sewing machine feed mechanism one being regulatable independently of the other, whereby the said operating means is not only readily accessible but the puller feed may have a greater movement than the sewing machine feed, said puller feed driving means comprising an intermittently-operated friction clutch at the rear end of the puller feed machine and consisting of a feed wheel having a rim and a hub, a lever mounted on said hub, a plurality of spring-controlled pawls pivotally supported on said lever in position to frictionally engage the rim of the feed wheel, a crank also carried at the rear end of said sewing machine, a connecting rod between said crank and said lever and a back-lash pawl also engaging said rim, and means for adjusting said pawl.

1,736,298. COMBINED TOP-FEED AND RUFFLER MECHANISM FOR CYLINDER SEWING MACHINES. JOHN P. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Filed Feb. 17, 1927. Serial No. 168,886. 32 Claims. (Cl. 112-212.)

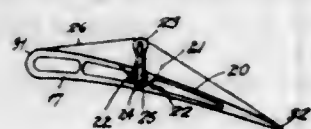
1. In a sewing machine having a frame comprising a trunk provided with an overhanging arm and a cylinder

work arm, the combination of a shaft transversely supported in said trunk, a shaft, a needle bar connected with and reciprocated by said last shaft, a top working attachment bar, a rotary shaft located above the needle bar



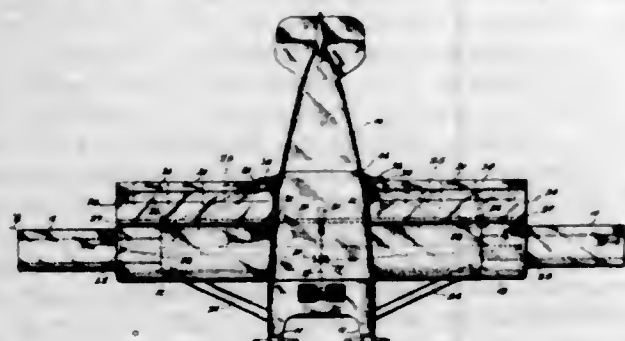
and parallel with and connected with the transverse shaft, and means connecting the rotary shaft with the top working attachment bar for imparting a four way movement thereto.

1,736,299. AIRCRAFT. EDWARD BURKE WILFORD, Merion, Pa. Filed Dec. 4, 1925, Serial No. 73,174. Renewed Sept. 16, 1929. 1 Claim. (Cl. 244-12.)



In an airplane, a fuselage, a cylindrical spar extending laterally from the fuselage, a wing carried on the spar, and a wing section pivotally mounted on the spar and having an opening, a horn mounted on the spar and extending roller and connected at the opposite edges of the wing section, a hollow sleeve concentrically journaled on the spar and terminating substantially in alignment with the roller and said opening in the section, means transmitting oscillations of the sleeve to the roller on the horn, and means in the fuselage for imparting oscillations to said sleeve.

1,736,300. AIRPLANE. EDWARD BURKE WILFORD, Merion, Pa., assignor of one-half to John S. Wilford, Philadelphia, Pa. Filed Dec. 13, 1927. Serial No. 239,769. 3 Claims. (Cl. 244-12.)



2. In aircraft, a body; an airfoil carried by the body; a section of the airfoil being pivoted for movement relatively to the body; a longitudinally movable thin edge arranged for telescoping association with the section through link connections therewith; means in the body for actuating the section on its pivot; and means mounted on the body engaging the thin edge and imparting longitudinal movement thereto as the section is moved on its pivot.

1,736,301. MINER'S STAY. JULIUS WOSTENHÖFER, Dortmund, Germany. Filed June 24, 1926, Serial No. 118,211, and in Germany Aug. 6, 1924. 6 Claims. (Cl. 248-2.)

1. A miner's stay, comprising telescopic lower and upper stay-members, a supporting block carried by one of

the said stay-members, and a cutting tool carried by the other stay-member for cutting chips from the said supporting block upon a downward movement under pressure of the upper stay member, the said supporting block

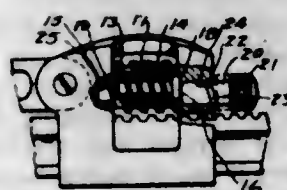


tapering toward its upper end so that its thickness increases toward its lower end in the direction of motion of the cutting tool to institute a progressively increased resistance to the cutting action of the cutting tool, on such downward motion of the upper stay member.

1,736,302. PROCESS FOR MANUFACTURING LUBRICATING GREASE. WALTER VICTOR ATKINSON, Berkeley, Calif., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif., a Corporation of Delaware. Filed July 14, 1923. Serial No. 651,634. 4 Claims. (Cl. 87-9.)

1. In the manufacture of lubricating grease containing mineral oils, the combined operations of producing a soap stock by saponifying fats under a pressure substantially above atmospheric and at a temperature corresponding thereto, rapidly reducing the pressure to atmospheric, thereby, through such rapid reduction of pressure, causing a partial vaporization of the water of the mass, and adding the requisite mineral oils to form the grease to the soap stock while agitating the mass, said oils being added at such a rate that the mass absorbs the oils.

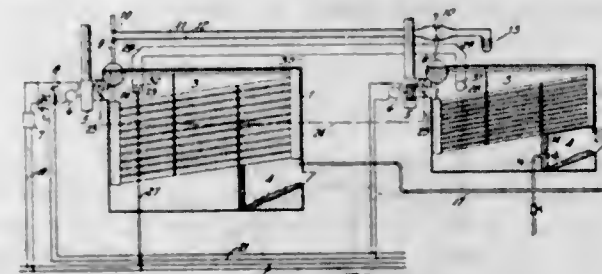
1,736,303. QUICK-SET WRENCH. OSCAR BECKLIN, Seattle, Wash. Filed Oct. 19, 1926. Serial No. 142,545. 4 Claims. (Cl. 81-158.)



1. In a wrench, a fixed jaw, a handle extending from the said jaw, a movable jaw, a shank extending from the said movable jaw, a yoke extending upward from the said fixed jaw through which the shank of the movable jaw passes, means in the said yoke for resiliently holding the said shank, a cap slidable in the said handle to which the shank of the movable jaw is pivotally attached, a nut slidably mounted in the said cap having threads adaptable to engage teeth in the said handle, an independent pin

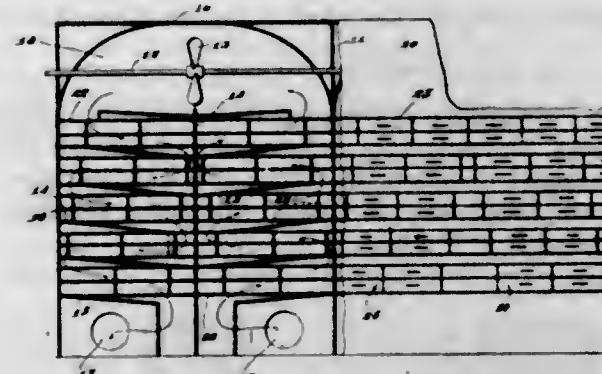
within the said nut, the ends of which are adaptable to engage recesses in the said cap, a spring within the said nut for resiliently holding the pin upon which the nut is mounted toward the rear of the nut, and another pin rotatably mounted in the said cap and adaptable to move forward as it is rotated to form a bearing for the end of the said nut and at the same time force the said independent pin within the nut forward and into a recess to form a bearing at the other end of the nut.

1,736,304. POWER INSTRUMENT AND METER. MERILL G. BENJAMIN, Lakewood, Ohio. Filed Feb. 16, 1928. Serial No. 254,915. 9 Claims. (Cl. 116-114.)



1. The combination with a steam boiler and furnace and a diagrammatic representation thereof, of means for indicating on said diagrammatic representation, the conditions in said boiler and furnace, and means for controlling said indicating means in accordance with variations of said conditions.

1,736,305. DRIER. MICHELE CANTELLA, Roslindale, Mass., assignor to Prince Macaroni Manufacturing Company Inc., Boston, Mass., a Corporation of Massachusetts. Filed Jan. 14, 1928. Serial No. 246,745. 3 Claims. (Cl. 34-39.)



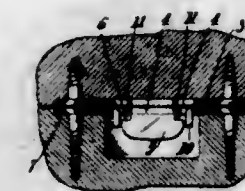
1. In a drier, comprising in combination, an outer casing, a series of perforated shelves, said shelves adapted to receive a series of drawers of porous construction on all sides except their fronts, a subdividing wall separating said perforated shelves, a series of angularly disposed partitions between said subdividing wall and said outer casing, said partitions attached to said subdividing wall and outer casing in an alternate progressive sequence, a main drive shaft located at the top of said drier and within said drier, said drive shaft provided with an air propelling means, means provided to admit air at the bottom on one said of said subdividing wall and exhaust said air at bottom of other side of said subdividing wall.

1,736,306. SEWING-MACHINE CASE. DANIEL H. CHASON, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 27, 1928. Serial No. 249,978. 1 Claim. (Cl. 45-68.1.)

A cover-fastener comprising hook- and retainer-elements, the hook-element being formed of sheet metal and having

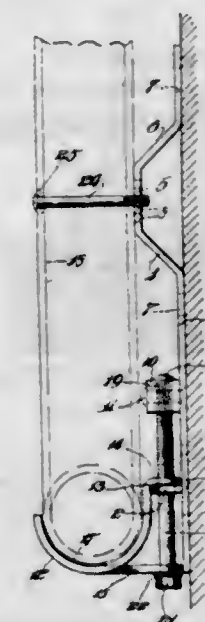
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an attaching base and a flat tongue bent flatwise from the plane of the base to stand normal to the latter, said tongue having a reduced shank and an enlarged tip with shoulders at the juncture of the shank and tip, said retainer element being formed of sheet metal perforated to



provide a stepped tongue-receiving slot with a long hook-tip-receiving portion and a shorter hook-shank-receiving portion, said retainer element having hook-tip-engaging means projecting downwardly at the ends of the longer portion of the slot to guide the hook-shank into the shorter portion of the slot.

1,736,307. ADJUSTABLE WALL-RADIATOR SUPPORT. ANTHONY E. DAVIS, Philadelphia, Pa. Filed June 25, 1924. Serial No. 722,190. 2 Claims. (Cl. 248-17.)

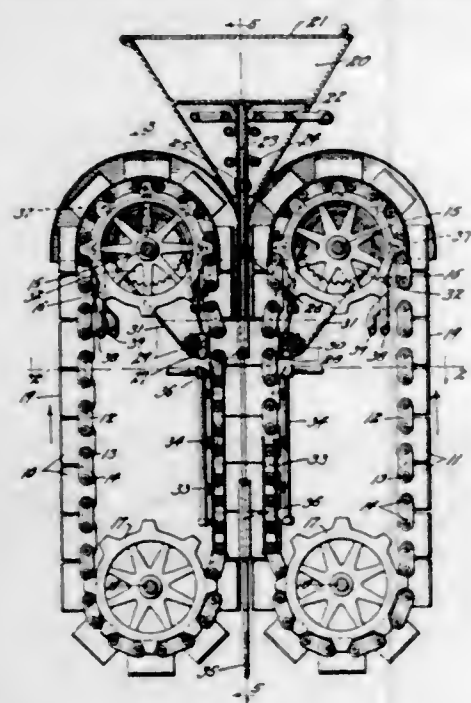


1. In a device of the character described, a supporting member in the form of a bar having a lower laterally deflected apertured portion and having intermediate its top and bottom an upper laterally deflected radiator aligning portion, a threaded lug secured to said bar above its lower deflected portion, a cradle formed from sheet material to provide a radiator receiving portion and an upper and a lower laterally extending apertured arm the upper arm of which is always positioned above said lower deflected bar portion, and a bolt passing through said arms and said lower bar portion and in threaded engagement with said lug, with the lower cradle arm supported by the head of said bolt.

1,736,308. CONTINUOUS-CASTING MACHINE. JASPER N. DAVIS, Denver, Colo., assignor to Battery Service Stations, Inc., Denver, Colo. Filed Jan. 21, 1928. Serial No. 248,837. 12 Claims. (Cl. 207-12.)

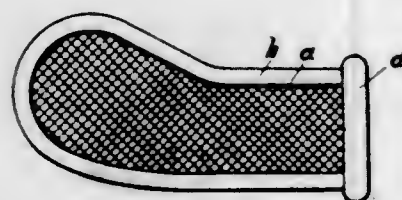
2. A continuous casting machine comprising two traveling series of independent moulds; means for forcing a mould of one series into contact with a mould of the other series, means for supplying molten metal to the contacting

moulds; means for maintaining said moulds in contact until said metal congeals and side plates adapted to engage



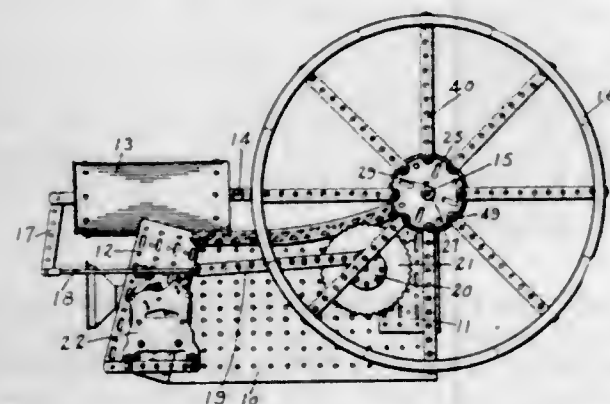
the sides of said moulds and prevent said metal from escaping, said moulds being arranged to slide along said side plates.

1,736,309. PEDAL PROTECTOR. ARTHUR DÖLLING, Siebenbrunn, Germany. Filed Dec. 13, 1928. Serial No. 325,712, and in Germany Feb. 13, 1928. 4 Claims. (Cl. 74-81.)



1. A protector for the pedals of musical instruments and comprising a pocket adapted to be drawn over the pedal, having the interior of its pocket slightly larger than the width of the pedal over which it is to be drawn, and a contracted slip-on opening.

1,736,310. TOY BUILDING CONSTRUCTION. ALFRED C. GILBERT, New Haven, Conn., assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn., a Corporation of Maryland. Filed Apr. 16, 1926. Serial No. 102,488. 12 Claims. (Cl. 46-35.)

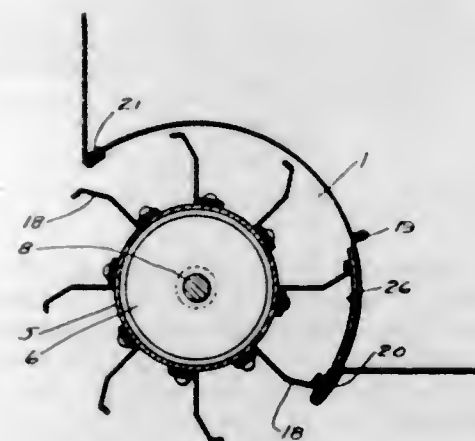


1. A wheel rim element for a construction toy having a body portion of arcuate shape in the direction of its length,

and provided at either end of said arcuate portion with an inwardly and radially extending flange having perforations formed therein and means for detachably securing spokes to said rim elements.

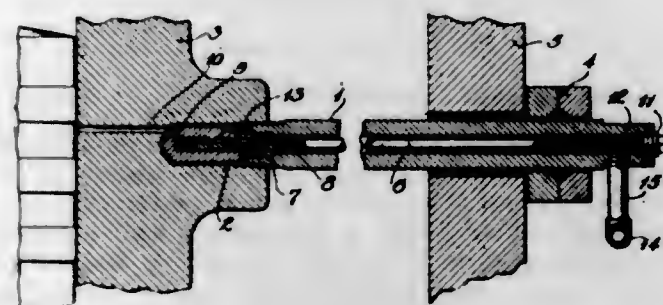
8. A wheel structure for construction toys, comprising spaced hub elements, a rim, elongated strap members each secured to one of the hub elements and at the other end to the rim to form spokes for the wheel, said elements being arranged in pairs diverging toward the center of the wheel, and said elements being resilient and tending by their resilience to assume a parallel position.

1,736,311. FORCED-DRAFT FAN. FRANK E. GRUNWALDT, Seattle, Wash. Filed June 14, 1927. Serial No. 198,734. 3 Claims. (Cl. 230-125.)



1. In a device of the class described, a plurality of blades, means for mounting the said blades on a sealed rotor, said rotor being positioned with the blades extending partially into a duct or the like, and means for covering the portion of the blades extending outside of the said duct, the means for covering the outer ends of the said blades having a seal therein and a joint whereby the seal may be readily removed, and the whole being readily removable.

1,736,312. ENGINE-CYLINDER LUBRICATOR. ARTHUR S. HAWKS, St. Louis, Mo., assignor to Busch-Sulzer Bros. Diesel Engine Company, St. Louis, Mo., a Corporation of Missouri. Filed June 25, 1926. Serial No. 118,460. 6 Claims. (Cl. 184-18.)

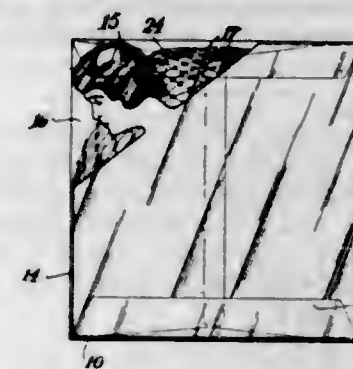


1. A lubricating device for engine cylinders comprising in combination with the cylinder wall and the cylinder jacket, a lubricating plug body extending therebetween and communicating at its lowest point at one end with the lubricant supply and at the other end secured within a socket formed in said wall and a duct connecting the upper part of said socket with the working surface of the cylinder wall.

1,736,313. HAIR-NET PACKAGE. MARCUS A. HEYMAN, New York, N. Y. Filed July 19, 1927. Serial No. 206,842. 7 Claims. (Cl. 206-78.)

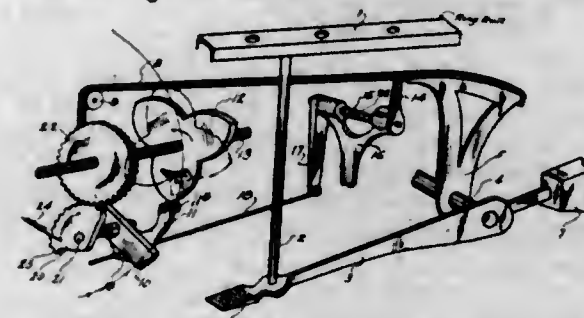
1. A hair net package comprising in combination a transparent envelope, and a reinforcing insert for said envelope,

said insert comprising a doubled-over blank adapted to sandwich a hair net therebetween and provided with cut-



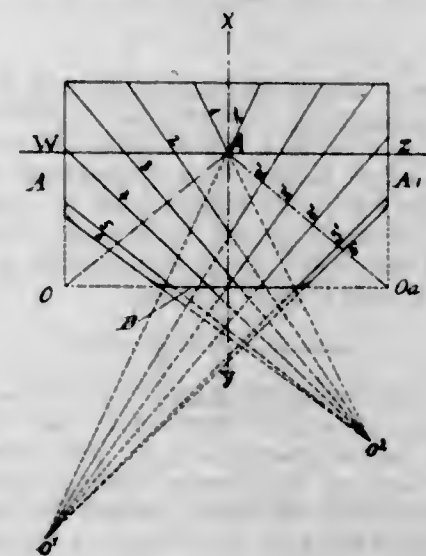
out portions for rendering portions of the sandwiched net visible through said envelope, said cut-out portions defining the outline of a human head.

1,736,314. FILLING BUNCH BUILDER. HOMER H. HOLCOMBE, Birmingham, Ala., assignor, by mesne assignments, to Holcombe Textile Equipment Co. Inc., Birmingham, Ala., a Corporation of Alabama. Filed Nov. 27, 1922. Serial No. 603,437. Renewed Apr. 15, 1927. 38 Claims. (Cl. 242-43.7.)



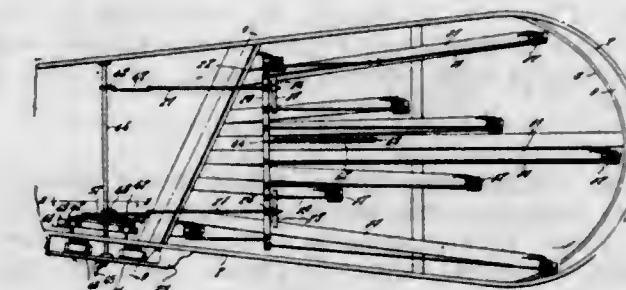
1. In a bunch builder attachment for spinning frames having a builder cam, a builder arm and yarn guiding means controlled thereby, co-acting elements adapted to be brought into engagement and while engaged to act through the builder arm to intercept, while the bunch is being wound, control of the yarn guiding means by the builder cam, and automatic means to engage and disengage said elements.

1,736,315. SHIP BUILDING. HANS KARL KLOESS, Hamburg, Germany. Filed Sept. 10, 1927. Serial No. 218,679, and in Germany May 21, 1927. 2 Claims. (Cl. 114-56.)



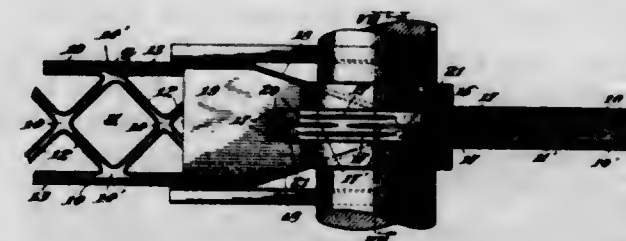
1. The method of determining the inclination of the frames in the fore and aft section of a ship which consists in generating from a point below the bottom line of the ship radiating lines to points on the main diagonals of the vessel, the location of said point depending on the ratio of the beam of the ship to its depth measured from the water-line.

1,736,316. GOLF GAME. HYMAN B. LASTING, Portsmouth, Va., assignor to Putt-Well Golf Corporation, Portsmouth, Va. Filed Sept. 19, 1928. Serial No. 306,852. 9 Claims. (Cl. 273-121.)



1. In a golf putting game of the class described, a play board having a hole, a trough leading from the hole, a compartment, said trough inclining to the compartment, a plate, means for movably mounting the plate in the compartment, an inclined bottom adjacent the compartment so that the plate may be raised to deliver the balls on to the inclined bottom, a pair of crank shafts, straps on the plate to receive the cranks of the crank shafts, and means for simultaneously operating the crank shaft.

1,736,317. PROCESS FOR PRODUCING OPENWORK STRUCTURES. ROY A. LEWIS and DAVID L. EYNON, Bethlehem, Pa., assignors to Bethlehem Steel Company. Filed Jan. 28, 1928. Serial No. 250,134. 3 Claims. (Cl. 164-6.6.)



1. In a process of making an open work structure, the steps of slitting a blank to form strands connected by bonds, the cross sectional area of each strand being greater where it joins a bond, and expanding the blank to form an open work structure.

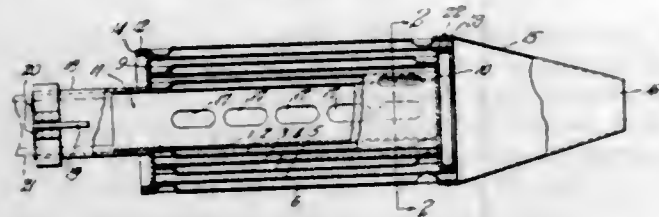
1,736,318. VALVE SEATING AND PULLING DEVICE. GLOYDE E. LUKEHART, Garber, Okla. Filed Oct. 31, 1927. Serial No. 229,947. 1 Claim. (Cl. 103-180.)



In a device of the character described, including a standing valve and a working valve, a member secured

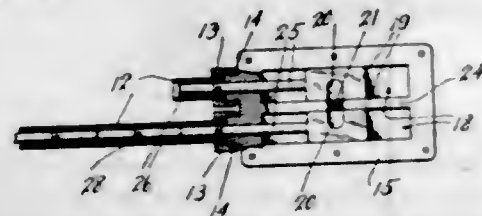
to and depending from the working valve, a tap depending from said member, a sleeve threadably engaging said tap and provided with notches in its top face and having prongs projecting below said tap, a tubular member adapted to be attached to a standing valve and having a face surface adapted to be engaged by the prongs on said sleeve and a spring-pressed annulus encircling said member and having teeth adapted to engage the notches in said sleeve.

- 1,736,319. SILENCER. HIRAM PERCY MAXIM, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 8, 1925. Serial No. 55,041. 7 Claims. (Cl. 137-160.)



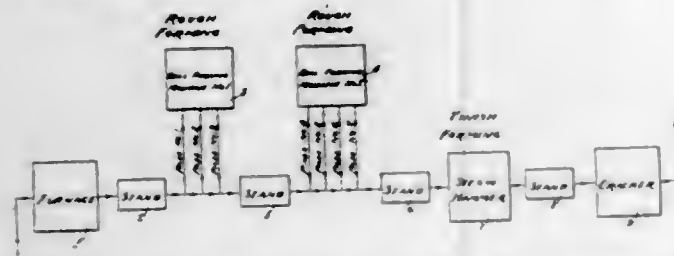
1. A silencer comprising a plurality of cylindrical tubes of different diameter concentrically arranged to provide a series of annular passages therebetween, said tubes being held in radially spaced relation by a series of circumferentially spaced integral portions of said several tubes adjacent the opposite ends thereof, the indented portions of adjacent tubes being in out of line relation, and the several inner tubes having ports for communication between said series of passages.

- 1,736,320. GEAR-SHIFTING MECHANISM FOR MOTOR VEHICLES. WARREN C. MELCHOR, Fayetteville, N. C. Filed Nov. 18, 1927. Serial No. 234,104. 1 Claim. (Cl. 74-39.)



In a flexible shaft for remotely controlling vehicle transmissions comprising a plurality of interconnected links, each link being formed of a cylindrical rod section having a segmental projection formed at each end thereof, a transversely arranged flange extending along the edge of said projection in spaced relation from the end of the rod whereby to form a channel therebetween and adapted to form an interlocking connection with the complementary formed end of the adjacent rod section, the flanges of said projections at the respective ends of the rod sections being disposed at right angles to each other.

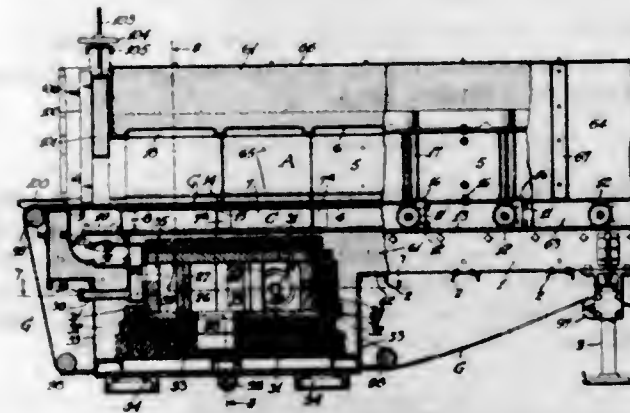
- 1,736,321. PROCESS OF FORGING AXLES. FREDERICK H. MOYER, Canton, Ohio, assignor to Central Alloy Steel Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1926. Serial No. 105,131. 8 Claims. (Cl. 29-153.)



1. The method of forging axles and the like which consists in heating a bar, passing the heated bar through rolls

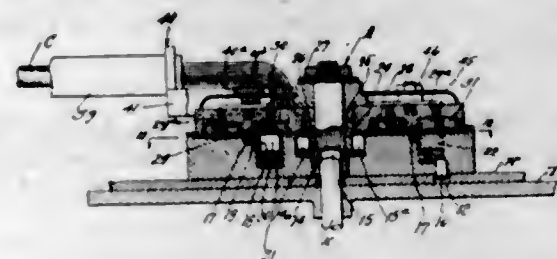
having a series of grooves to produce substantially the desired finished shape in the bar, and then hammering or pressing the bar to make it conform to a predetermined duplicate size and also straighten it from the roll forging operation.

- 1,736,322. APPARATUS FOR ANNEALING GLASSWARE. VERGIL MULHOLLAND, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Original application filed June 1, 1925, Serial No. 33,977. Divided and this application filed Oct. 13, 1925. Serial No. 62,237. 2 Claims. (Cl. 49-47.)



1. A Lehr for annealing glassware comprising a tunnel, a fire box arranged adjacent to the entrance end of said tunnel, a plurality of flues communicating with said fire box and extending longitudinally of said tunnel and having openings for establishing communication therebetween at intervals longitudinally thereof to equalize the draft therein.

- 1,736,323. SYNCHRONOUS DRIVING DEVICE. SIDNEY A. MURDOCK, Los Angeles, Calif., assignor, by mesne assignments, of one-half to Orlando E. Kellum, Los Angeles, Calif., and one-half to Mary G. Kellum, Los Angeles, Calif. Filed July 30, 1925. Serial No. 46,982. 7 Claims. (Cl. 172-298.)



6. In a device of the character described, a controlling commutator comprising two disk-like members relatively rotatable about a common central axis, one of said members being adapted to rest on a phonograph disk and be rotated thereby, the other resting upon the one, cooperating electrical contacts carried by the two disks, and the upper one of said disks having a projecting arm adapted to act as an anchor against rotation.

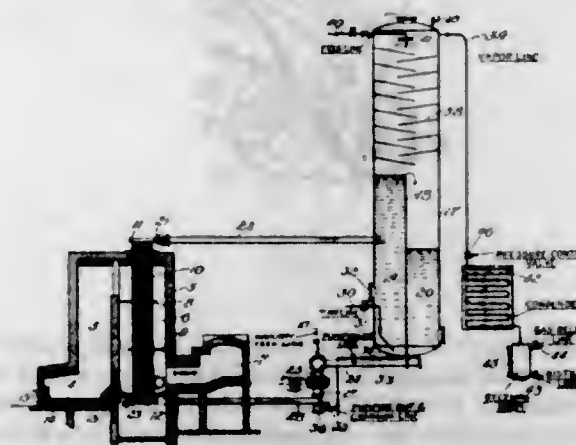
- 1,736,324. STRIP-SHEET MANUFACTURE. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio, assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed May 24, 1927. Serial No. 198,937. 7 Claims. (Cl. 148-1.)



1. The method of making a stripsheet from a steel slab which includes heating the slab to a rolling temperature,

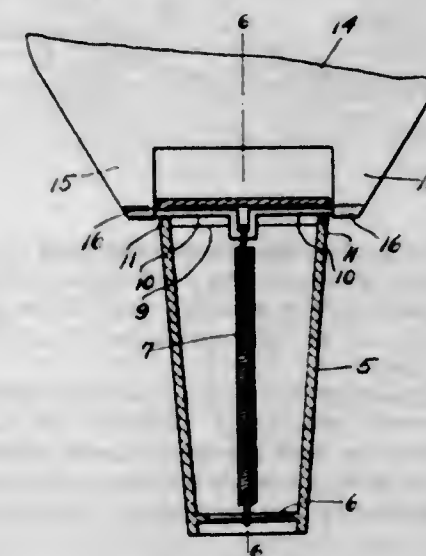
then completely and cleanly removing all scale therefrom by mechanical means, and then rolling the slab by single passes to produce a commercial commodity having the unlimited length of a strip and the width and gauge of a sheet, all without reheating the steel.

- 1,736,325. OIL STILL. CHARLES L. PARMELEE, Orange, N. J. Filed July 19, 1923. Serial No. 652,497. 19 Claims. (Cl. 196-108.)



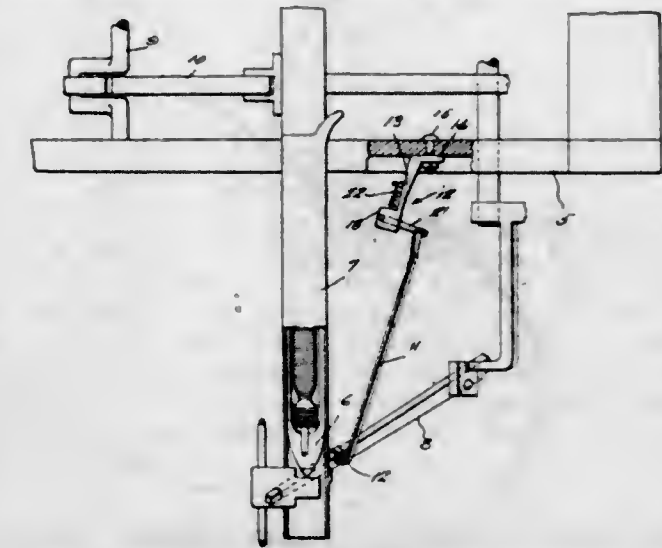
1. In an apparatus of the class described, a furnace, a conduit therein for passing oil to be heated therethrough, a vaporizing chamber without the furnace, a compartment within said vaporizing chamber, a second compartment within said vaporizing chamber, connections including positive forcing means for conducting oil from said first named compartment once through said conduit and thence to a point in said second named compartment a substantial distance above the bottom thereof and back to the first named compartment, a connection to the first named compartment from a point in the second named compartment above the level at which the oil from the heating conduit is introduced thereto, and means for conducting away vapors from both compartments.

- 1,736,326. TRAFFIC SIGNAL. WILLIAM J. PURCELL, Hammond, Ind. Filed Dec. 15, 1928. Serial No. 326,357. 1 Claim. (Cl. 40-125.)



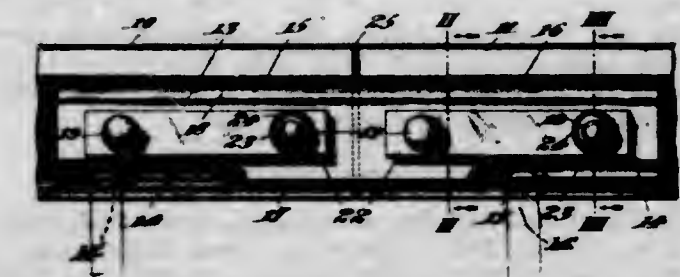
A device of the class described including a downwardly tapering casing having a cross pin in the lower end thereof, and notches in the upper edge thereof, a shaft journaled in said notches across the upper end of the casing and having a crank at the center thereof, a spring engaged with the crank and the pin to normally hold the shaft in a predetermined position, a signal panel having a pair of spaced legs terminating in sleeves fixed to the extremities of the shaft, a lid disposed over the upper end of the casing and having depending flanges fitting inside the casing.

- 1,736,327. PICKER-STICK CHECK FOR LOOMS. ALFRED N. REEVES, New London, Conn. Filed July 25, 1925. Serial No. 295,298. 1 Claim. (Cl. 139-161.)



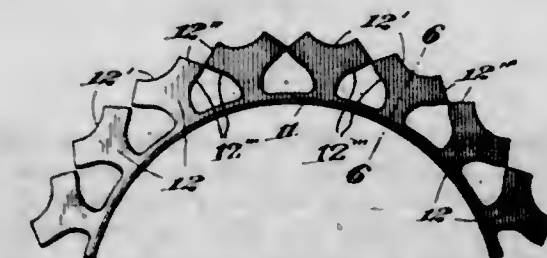
A picker stick check comprising an arm provided with spaced parallel flanges, and at its inner end with attaching fork arms, a lug carried by the first named arm, a link pivotally mounted at one end between the flanges, said first named arm having a slot through and beyond which said link extends, and a coil spring fastened at one end to an intermediate portion of the link, and anchored at its opposite end upon the lug.

- 1,736,328. INSULATED RAIL JOINT. NEIL E. SALSICH, Bethlehem, Pa. Filed Feb. 10, 1927. Serial No. 167,143. 4 Claims. (Cl. 238-159.)



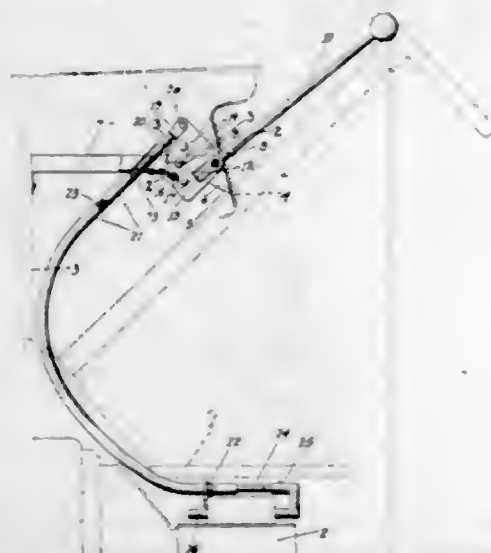
4. A splice bar having upper and lower surfaces adapted to engage the under surface of the rail head and the upper surface of the rail flange, respectively, with uniform pressure throughout the length of the bar, the front edge of said lower surface at the ends of the bar being displaced rearwardly of the front edge of said lower surface at the central portion of the bar.

- 1,736,329. METAL-WHEEL PRODUCTION. CHARLES SCHENCK and LEWIS FINE, Bethlehem, Pa., assignors to Bethlehem Steel Company. Filed Aug. 19, 1927. Serial No. 214,018. 7 Claims. (Cl. 29-174.)



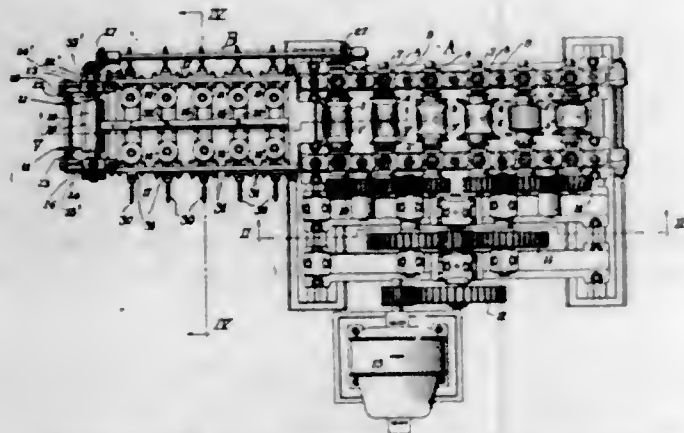
1. In a process of making a wheel, the steps of forming a sheet metal ring segment, flanging the inner arc thereof to form a felloe element, cutting out portions of the remaining part of the segment to form a series of spoke elements, radially and divergently disposed relative to the felloe element, bending the spoke elements alternately into two different planes, and bending the blank to circular form reverse to the original curvature.

1,736,330. GEAR-SHIFT MECHANISM. BENJAMIN F. SCHMIDT, Los Angeles, Calif. Filed Dec. 27, 1927. Serial No. 242,670. 5 Claims. (Cl. 74—39.)



1. A gear shift mechanism for a motor vehicle having a dashboard, comprising a bracket secured onto the dashboard, transversely spaced plates mounted in connection with the bracket and arranged for independent movement, a lever projecting between the plates and extending thence rearwardly and upwardly from the dashboard, a common transverse pivot in the bracket for the plates and lever, the latter being arranged to rock on the pivoted laterally of the vehicle, means between the lever and plates for enabling the lever to be operatively and selectively engaged with either plate when said lever is rocked one way or the other, whereby if said lever is then turned on its pivot the plate will be likewise turned, and flexible elements operatively connected at their lower ends with the gear-shift rods of the gear mechanism and at their upper ends onto the plates at points offset from the pivot.

1,736,331. CHANNEL-ROLLING MILL. ARTHUR J. TOWNSEND, Canton, Ohio, assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Aug. 27, 1921. Serial No. 496,085. 5 Claims. (Cl. 153—29.)

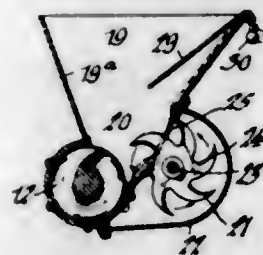


1. Mechanism for centering and feeding strip metal and the like to a mill, including separate rolling edge guides for each edge of the strip, and an intermediate guide bar for transversely arching the strip, in combination with rolls for subsequently forming the strip.

1,736,332. PICKLING PROCESS. JAMES C. VIGNOS, Canton, Ohio. Filed Aug. 29, 1928. Serial No. 302,893. 9 Claims. (Cl. 148—8.)

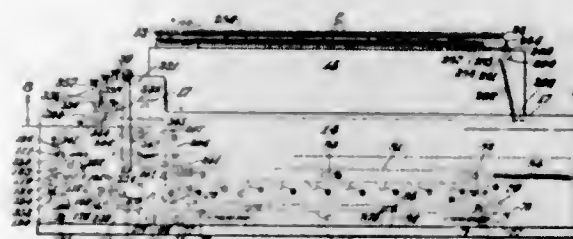
1. The process for pickling metals which consists in immersing the metal into a pickling solution and passing a halogen into the solution.

1,736,333. MACHINE FOR GRINDING MEAT AND THE LIKE. ADRIAN C. VAN HOOYDONK, Buffalo, N. Y., assignor to John E. Smith Sons Co., Buffalo, N. Y., a Corporation of New York. Filed Aug. 9, 1927. Serial No. 211,717. 7 Claims. (Cl. 146—182.)



1. A machine for grinding meat and the like, comprising a casing, a feed-hopper leading to said casing, a feed screw in the casing, a chamber at one side of the casing, rotary cutters in said chamber and means for rotating said screw and said cutters to travel downwardly on their opposing sides, the descending sides of the screw and cutters extending into the discharge throat of the feed-hopper while their ascending sides are located outside thereof.

1,736,334. ACCOUNTING APPARATUS AND METHOD. LUTHER A. WATERS and SAMUEL F. LLOYD, Edwardsville, Ill., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 22, 1918. Serial No. 229,996. 343 Claims. (Cl. 129—16.1.)



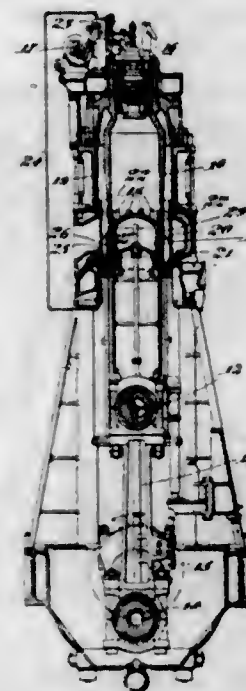
57. In an accounting apparatus employing accounting elements and pilot elements, the combination with selecting means, of means for controlling said selecting means, adapted to select an accounting element and its corresponding pilot element.

78. In an accounting apparatus, the combination with means for selecting accounting elements, of means for setting and operating said selecting means adapted and in order to select an element or elements, and means for returning said selecting means adapted to clear the apparatus.

86. In an accounting apparatus, the combination with a series of trays for accounting elements, of a carrier adapted to cooperate with said trays, and means on said carrier, adapted to select accounting elements when in cooperative relation with one of said trays.

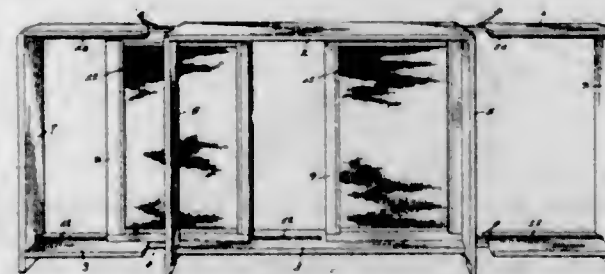
333. In an apparatus of the class described, the combination with a selector, of a primary key mechanism adapted for operation for locating said selector, a set of secondary key mechanisms adapted to adjust said selector to a series of secondary locations, and a frame having bearings for supporting said selector and key mechanisms for cooperative relation.

1,736,335. LUBRICATING SYSTEM. ARTHUR JACKSON WEST, Bethlehem, Pa., assignor to Bethlehem Steel Company. Filed Sept. 25, 1925. Serial No. 58,043. 3 Claims. (Cl. 123—196.)



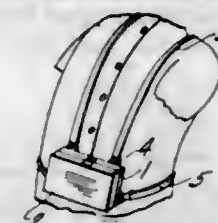
1. In an internal combustion engine, the combination of a cylinder having a jacket member joined to one end thereof by an integral annular web portion and an oil conduit leading to the interior of the cylinder consisting of communicating drilled passages in the web portion and in the cylinder wall.

1,736,336. SLIDING SCREEN CONSTRUCTION. VIOLA BERRYMAN and GIDEON C. HONIE, Concord, Calif. Filed Jan. 11, 1928. Serial No. 245,947. 5 Claims. (Cl. 156—14.)



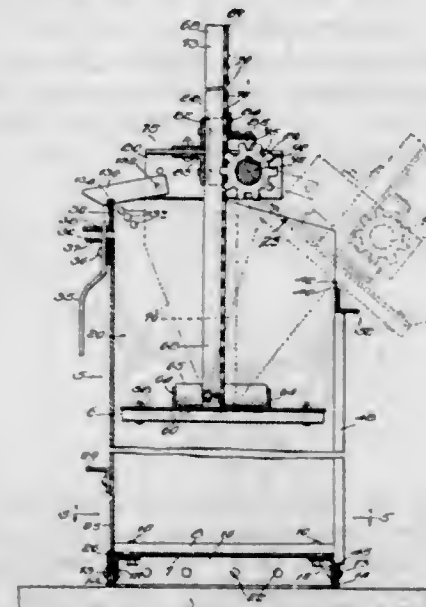
4. In a sliding screen construction, a mounting frame arranged to be set within a wall around a window opening therein, said frame consisting of upper and lower longitudinal members arranged above and below the window opening and notched to receive pairs of spaced studding at the sides of the window opening, the upper member having a wide central portion forming a window casement member and having reduced extensions extending into the wall at the sides of the window opening; upright members mounted between the ends of the longitudinal frame members; upright casement members mounted in spaced pairs between the longitudinal members at the sides of the window opening to cover the studding; a track mounted upon the lower longitudinal frame member; guides mounted upon the upper longitudinal frame member; a pair of screened frames supported upon the track and engaged at their upper edges by the guides, said screened frames being slidably movable along the tracks between the pairs of studding and upright casement members and into pockets formed within the wall by the mounting frame; and a central stop mounted upon the frame to limit the movement of the screened frames and normally prevent movement of either screened frame past a central operative position.

1,736,337. FISHERMAN'S FLY AND TACKLE CASE. ARNOLD EUGENE BOREL, Butte, Mont. Filed Aug. 20, 1928. Serial No. 300,653. 1 Claim. (Cl. 43—32.)



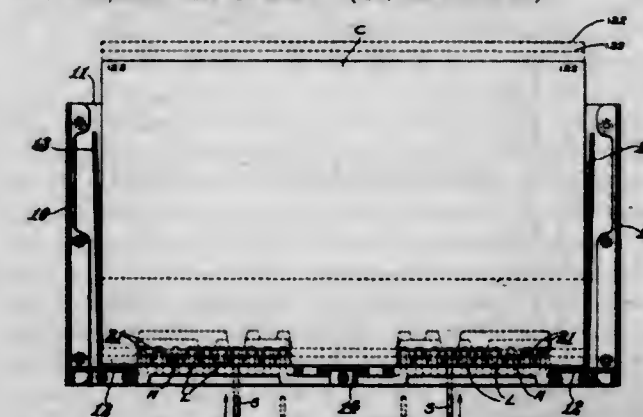
In a device of the kind described, a double-box structure of two sections hingedly connected, leaf holders mounted within the inner corners of one of the sections, the said holders having inclined free edges and there being a plurality of L-shaped notches cut in the inclined edges of the leaf holders in spaced relation, and a plurality of fly leaves having laterally extended hangers adapted for insertion within the said L-shaped slots of the leaf holders.

1,736,338. BALING PRESS. CHARLES A. BROWN, Dunkirk, N. Y., assignor to Charles A. Brown, Arthur H. Boettcher, and John A. Dienner, of the Copartnership of Brown, Boettcher and Dienner, Chicago, Ill. Filed Jan. 23, 1926. Serial No. 83,181. 1 Claim. (Cl. 100—5.)



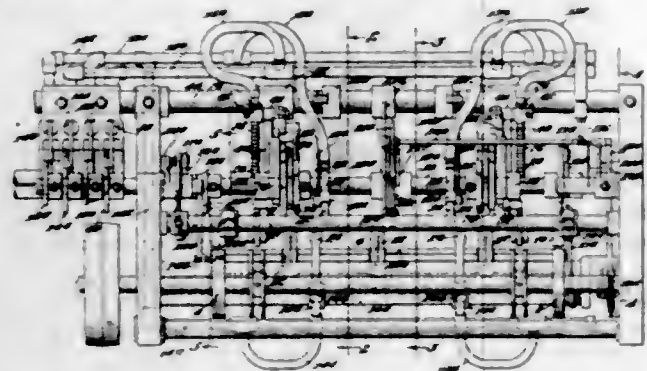
In a device of the class described, an enclosing casing, a removable closure therefor, a carriage swingably mounted on said casing, latch means for the closure, latch means for the carriage, and a common cross member with which both said latch means co-operate to lock the closure closed, and the carriage in operative position.

1,736,339. ACCOUNTING METHOD AND APPARATUS. WALTER BRUNN, St. Louis, Mo., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 19, 1920. Serial No. 352,602. 39 Claims. (Cl. 129—16.1.)



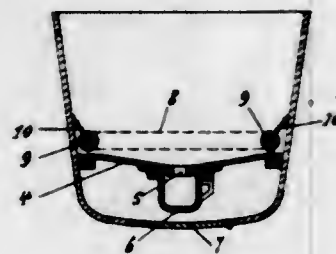
1. The method of finding accounts mechanically, comprising, locating the desired account and dependently the one next thereto.

1,736,340. PAPER-FEEDING MACHINE. FRANK L. CROSS, Port Washington, N. Y., and HENNING HALL-STREAM, Brockton, Mass., assignors to Cross Paper Feeder Company, a Corporation of Massachusetts. Filed Aug. 25, 1923. Serial No. 659,310. 26 Claims. (Cl. 271-28.)



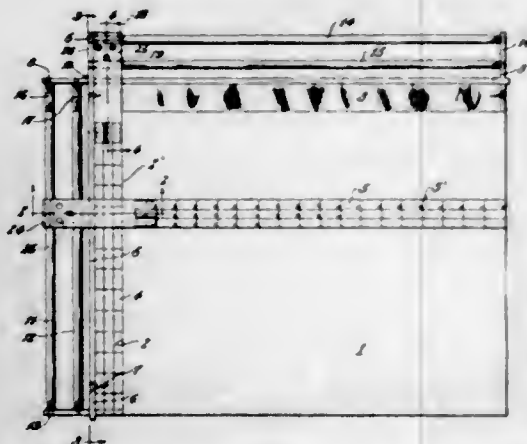
1. A sheet feeding machine having, in combination, a feed table, means for feeding a continuous bank of feathered sheets over the table, devices at the front end of the table for bending upward and releasing the end of the bank, sheet retaining means for retaining the bent end of the top sheet when the sheets beneath it are released and return to initial position, and means for completing the separation and delivery of the top sheet.

1,736,341. MATTRESS FOR BABY CARRIAGES AND CRIBS. FRITZ EISER, Rheinhausen-Niederrhein, Germany. Filed Dec. 19, 1927. Serial No. 241,150, and in Germany May 28, 1927. 1 Claim. (Cl. 5-91.)



In a mattress for perambulators and cots the combination of an endless band of yieldable and perforated material, of lateral suspension rods loosely passed through said endless band, of spring means at the ends of said suspension rods for removably and adjustably suspending said rods on the perambulator frame, an intermediate bottom plate having a central aperture and inclined towards said aperture, means supporting the bottom plate beneath said endless band, and a collecting vessel under said aperture of said intermediate plate.

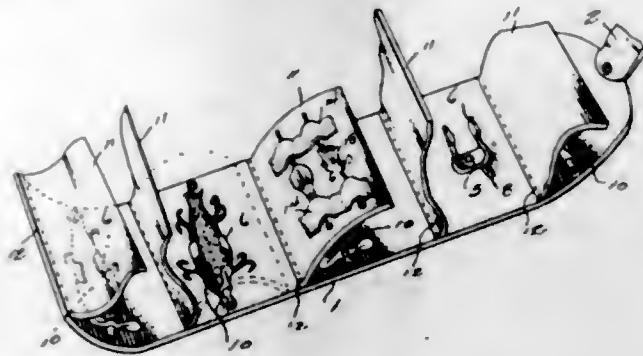
1,736,342. DRAFTING BOARD. FRED GIEHLER, Hoi-yoke, Mass. Filed Apr. 28, 1927. Serial No. 187,216. 9 Claims. (Cl. 33-76.)



1. In a drafting board a board having straight edges, plates secured to two of its adjacent edges, a plurality

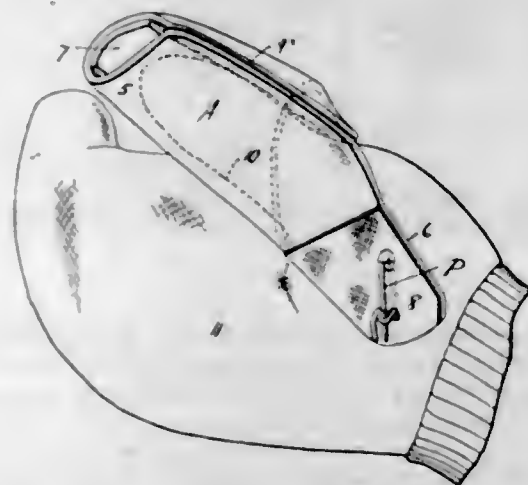
of guide rods parallelly arranged to said adjacent edges, means for securing the guide rods to the said plates, ruling blades, guide blocks to which the blades are attached, each block having an opening to receive one of the guide rods and a recess on the lower side spaced from the opening therein to receive another guide rod, whereby each of the blades is separately and pivotally movable onto and away from the board.

1,736,343. CONTAINER FOR ARTIFICIAL FISH LURES. JESSE JAMES HAWES, Henryetta, Okla. Filed May 4, 1928. Serial No. 275,238. 4 Claims. (Cl. 43-32.)



1. A container for artificial fish lures and the like, comprising an elongated flexible body adapted to be rolled up from end to end to enclose the lures, means for detachably connecting the lures to the body, and a plurality of flexible flaps, one between each lure and attached to the body to separate the lures, and foldable each with the free end against the attached end of the next lure and over the intervening lure when the body is rolled up to snugly retain the lures.

1,736,344. HUSKING-MITTEN THUMB PROTECTOR. CHARLES HISEK, Tyndall, S. Dak. Filed Oct. 6, 1925. Serial No. 310,796. 2 Claims. (Cl. 2-21.)

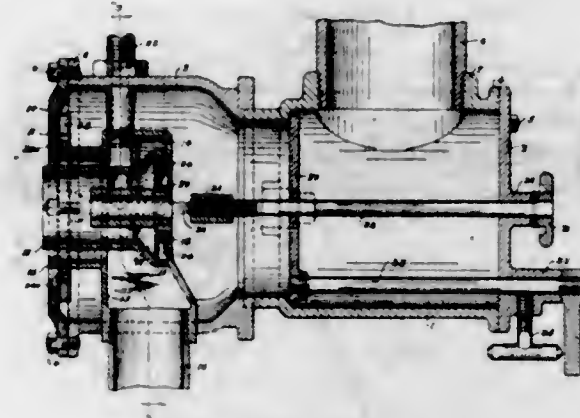


1. A thumb protector for husking mittens including a sheet of elastic material having a tubular like portion with a reinforcement sheet therein and a tab like extension with a non-elastic reinforcement sheet thereon, said tab and said non-elastic sheet being provided with openings, and a pin passing through the opening so that the tab may be pinned to a mitten while the tubular portion is over the thumb thereof.

1,736,345. COMBINED OIL AND GAS BURNER. ROBERT C. HOPKINS, Alliance, Ohio. Filed June 13, 1927. Serial No. 198,540. 10 Claims. (Cl. 158-11.)

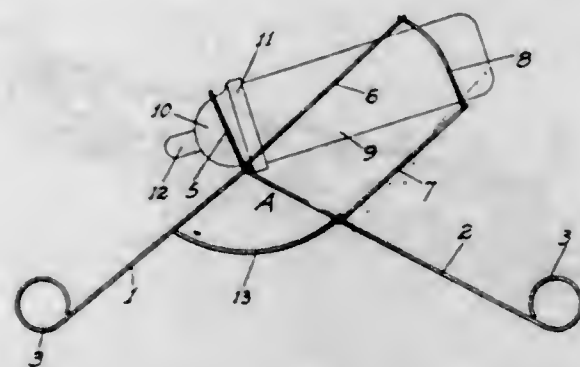
1. A burner including a casing, an atomizing chamber located within the casing, a gas chamber surrounding the

atomizing chamber, means for admitting fluid fuel to the atomizing chamber, means for producing a whirling air current through the atomizing chamber, means for pro-



ducing an air blast axially through the atomizing chamber, and means for discharging gas from the gas chamber around the mixture discharged from the atomizing chamber.

1,736,346. NURSING-BOTTLE HOLDER. JOHN JEEP, Watsonville, Calif. Filed June 28, 1926. Serial No. 119,025. 1 Claim. (Cl. 248-65.)

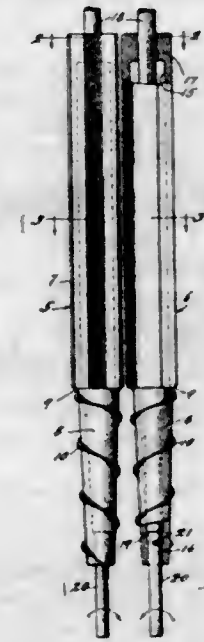


A nursing bottle holder comprising side frames, each comprising a pair of legs arranged in inverted V form, a cross member between the frames at the apex thereof formed with a ring for the reception of the nipple of a nursing bottle, other vertically spaced cross members extending rearwardly and diagonally from the apex of the frames and from the rearmost of said legs a certain distance below said apex, a ring formed by and between said cross members to receive the body of a nursing bottle, and forwardly projecting extensions formed with the lower ends of the lower diagonal cross members extending to the front legs.

1,736,347. CORN-SNAPPING ROLLS AND THE LIKE. ALONZO R. KEELE, Altona, Ill. Filed Mar. 5, 1928. Serial No. 259,229. 2 Claims. (Cl. 130-5.)

1. Means for snapping ears of corn and the like from their stalks comprising in combination a pair of rolls which are relatively long as compared to their diameters, and means for journaling said rolls in relatively close proximity to each other, each roll comprising a major snapping portion of a substantially uniform size together with a minor feeding portion of size tapering from its beginning end towards its position of juncture with the major portion aforesaid, the rolls being adapted for rotation in opposite directions and in timed relationship, an even series of longitudinally extending ribs throughout

each major portion aforesaid together with intermediate valleys between said ribs, alternate ribs being longitudinally fluted with relatively small flutes throughout their length, and a spiral rib on the tapered portion of



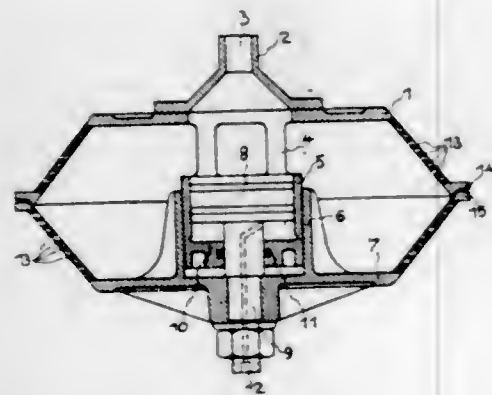
each roll extending from its small front end to its larger point of junction with the ribbed major portion aforesaid, said spiral ribs spiraling in companion directions to feed the stalks toward the major portions of the rolls, substantially as described.

1,736,348. FRUIT PICKER. WALTER KREUZER, Edwardsville, Ill. Filed June 8, 1926. Serial No. 114,499. 1 Claim. (Cl. 56-333.)



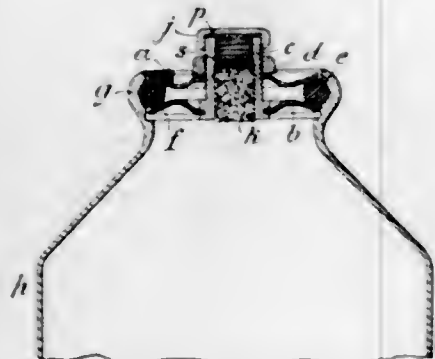
A fruit picker comprising a receptacle open at its upper end and having front, rear and side walls, the upper ends of the side walls being tapered, a head wall secured upon the front portions of the tapered ends of the side walls and partly closing the top of the receptacle, a door hinged to the upper edge of the rear wall of the receptacle and resting upon the rear portions of the tapered upper ends of the side walls to abut the upper edge of said head wall when closed, a retractile spring secured at one end to the outer face of said door and at its opposite end to the rear wall to yieldably retain the door open, pins projecting from the side walls adjacent the upper ends of the same, strips attached to the opposite side edges of said door and extending therefrom to the side walls and formed with arcuate slots concentric with the hinges of the door and receiving said pins, and a pull line connected with said door and passing downwardly therefrom over the front of the receptacle whereby the door may be closed.

1,736,349. CONTINUOUS CENTRIFUGAL MACHINE. THEODOR LANGENBERG, Berlin, Germany, assignor to the Firm C. A. Fesca & Sohn, Berlin-Lichtenberg, Germany. Filed Feb. 12, 1927, Serial No. 167,769, and in Germany Oct. 1, 1926. 5 Claims. (Cl. 210-73.)



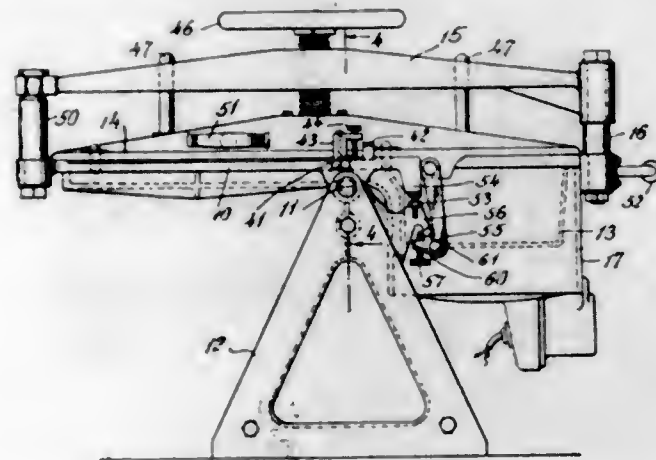
1. A permanently acting centrifugal machine comprising two drum parts, each of which is provided with apertures for expulsion of the material acted on, in combination with an axially acting hydraulic press rotatable therewith, said press comprising a cylinder connected to one of said drum parts and a piston connected to the other drum part.

1,736,350. CLOSING DEVICE FOR CONTAINERS MADE OF ALUMINUM OR OTHER SOFT METALS. SVEND HØEG LARSEN, Frederiksberg, near Copenhagen, Denmark, assignor to Aktieselskabet de Forenede Bryggerier, Copenhagen, Denmark. Filed Oct. 25, 1926, Serial No. 144,078, and in Denmark Feb. 26, 1926. 1 Claim. (Cl. 220-24.)



A device of the character described including in combination, a containing body of soft metal having a neck provided with an annular shoulder and with an annular groove situated slightly above the shoulder, the bottom of the groove being transversely curved, an adjustable clamping lid of hard metal including a central plug, top and bottom flared disc like parts of a diameter greater than the diameter of the shoulder and less than the diameter of the mouth of the body so that when in an untightened condition the lid rests on the shoulder, the bottom disc part being rigid with the plug and the upper disc part being apertured and movable on the plug, a packing ring circular in cross section situated between the flared portions of the top and bottom disc-like parts, and a clamping element adjustably engaged with the upper projecting portion of the plug for drawing the disc-like parts toward each other so that owing to the loose mounting of the upper part and the circular cross-sectional shape of the ring the latter moves upwardly and outwardly into engagement with the groove thereby raising the lower disc-like part out of contact with the shoulder to avoid corrosion of one of the metals as a consequence of electrolytic action.

1,736,351. STEREOTYPING APPARATUS. JOHN A. LUTHER, Bayonne, N. J., assignor to Publishers Auto-caster Service Company, New York, N. Y., a Corporation of Florida. Filed Apr. 16, 1928. Serial No. 270,214. 13 Claims. (Cl. 22-4.)



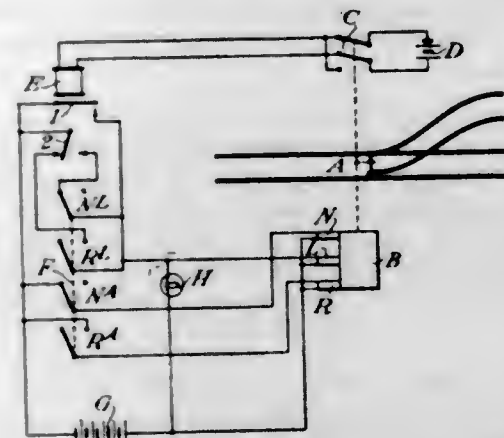
1. Stereotyping apparatus comprising a casting box, a melting pot rigidly attached to said casting box, a heating chamber surrounding said melting pot and attached thereto, and heating means disposed within said heating chamber.

1,736,352. MOLDBOARD FOR ROAD-GRADING MACHINES. ORVILLE P. MAHONEY, Joplin, and JOHN R. KEY, Carthage, Mo. Filed Nov. 16, 1928. Serial No. 319,944. 12 Claims. (Cl. 37-143.)



1. A device of the character described comprising a scraper body provided with an aperture, and means for varying the effective area of said aperture.

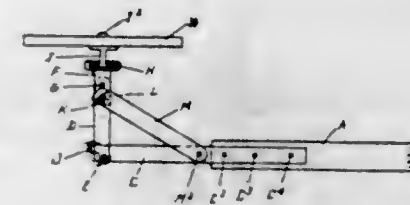
1,736,353. ELECTROPNEUMATIC INTERLOCKING. JOHN E. McCULLLEY, New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 19, 1929. Serial No. 341,251. 6 Claims. (Cl. 246-140.)



3. In combination, a railway switch, operating mechanism for said switch comprising a lock magnet, a manu-

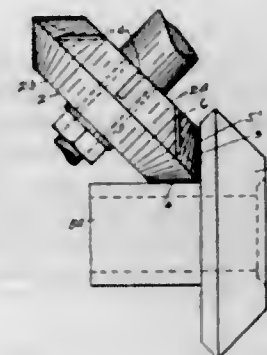
ally operable lever provided with normal and reverse contacts, a polarized indication relay controlled by said switch, and a circuit for said lock magnet having two branches in multiple, one of which branches includes a normal contact of said indication relay and a reverse lever contact in series, and the other of which branches includes a reverse contact of said indication relay and a normal lever contact in series.

1,736,354. IRONING-BOARD ATTACHMENT. FRANK A. MORIN, Dover, N. H. Filed Dec. 15, 1927. Serial No. 240,283. 5 Claims. (Cl. 45-75.)



1. A table device of the type described, comprising a support for each end of the table and each formed in two sections pivotally attached at their adjacent ends, a pin carried by one section fitting into a notch in the other section when the sections are longitudinally aligned, base members to which said supports are connected, and a brace on each base member engaging the pin for holding the sections in aligned position.

1,736,355. ABRADING WHEEL. ALBERT G. MOSHER, Syracuse, N. Y. Filed Feb. 7, 1928. Serial No. 252,591. 1 Claim. (Cl. 51-206.)

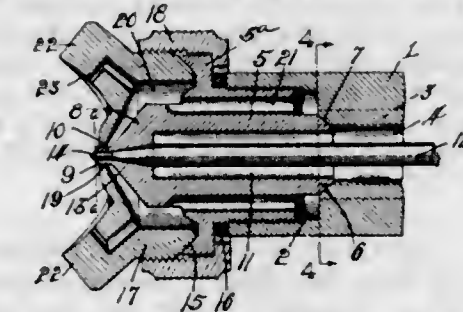


An abrading wheel for grinding the hubs and backs of pinions or like angularly related parts, having side faces and a V-shaped periphery, one of the angular grinding faces of which V-shaped periphery is formed to engage the back of the pinion and is provided with a series of spaced radial grooves which extend thereacross and for a substantial distance into the adjacent side face of the wheel, so that the ends of the grooves in said side face of the wheel terminate at a distance from the back of the pinion, said grooves being of such depth and width and being located at such spaced distances apart so as to produce a current of air, the other angular grinding face of the V-shaped periphery being disposed at right angles to the first named angular grinding face and formed to engage the hub.

1,736,356. SPRAY HEAD. GODFREY A. MUELLER, Point Place, Ohio, assignor to The De Villbiss Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 13, 1925. Serial No. 49,947. 5 Claims. (Cl. 91-45.)

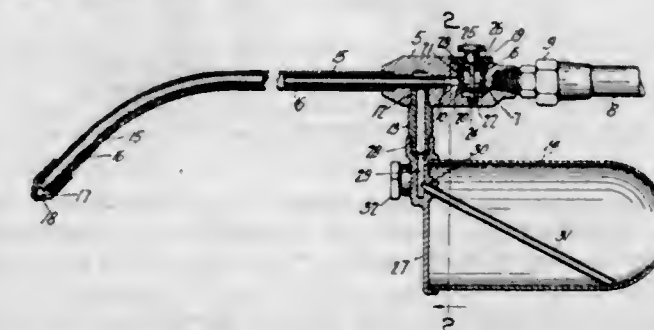
2. In a spray-head, the combination of two nozzles having respectively an inner discharge orifice and an

outer discharge orifice surrounding said inner orifice, a seat fixed with respect to one nozzle and against which the other nozzle seats, and means for clamping the two nozzles together, the co-engaging portions of said seat and



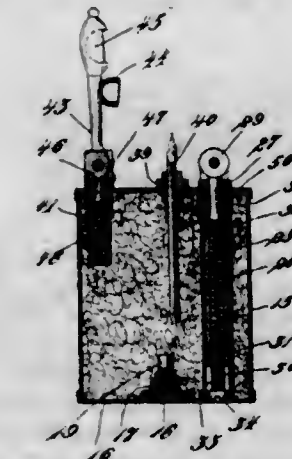
the coating nozzle being formed with surfaces forming a substantially universal joint, whereby said orifices will automatically assume a concentric relation, when the two nozzles are clamped together, regardless of any minor divergence between the axes of the two nozzles.

1,736,357. SPRAY GUN. CARL A. NORGREN, Denver, Colo. Filed Mar. 26, 1927. Serial No. 178,653. 1 Claim. (Cl. 299-88.)



A spray gun comprising a body having a valve chamber and means to connect the chamber with a source of pressure fluid, an oil container, a pressure fluid pipe extending from the body and in communication with said valve chamber, a liquid conducting pipe extending from the body and coaxially surrounding and spaced from said pressure-fluid pipe, connections from said liquid conducting pipe, communicating with the lower part of the container, a valve in the chamber controlling the passage of pressure-fluid pipe, a jet having a seat and being at the end of the pressure-fluid pipe remote from the body, and an adjustable nozzle at the end of the liquid conducting pipe remote from the body, said nozzle being formed to co-operate with said seat in one position of adjustment to seal the liquid conducting pipe.

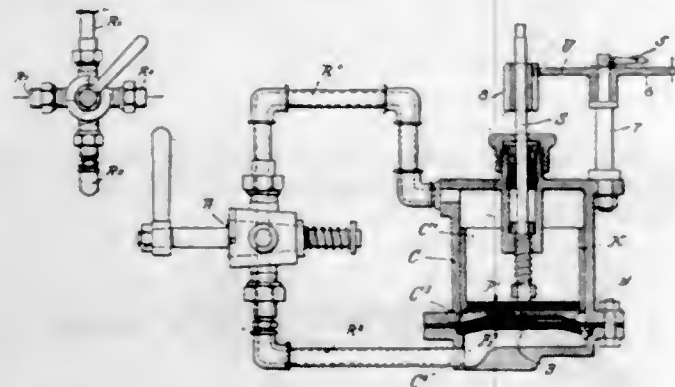
1,736,358. POCKET LIGHTER. CHARLES H. PATTEN, Providence, R. I., assignor to Rex Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 18, 1928. Serial No. 255,299. 5 Claims. (Cl. 67-7.1.)



1. A pocket lighter comprising a fuel tank having a body portion with a bottom plate and a top plate having a

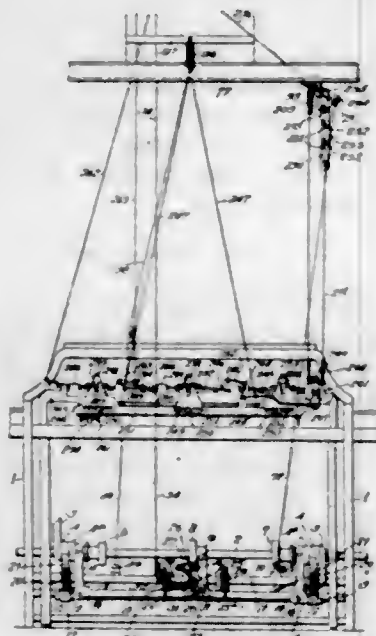
plurality of aligned openings therein with portions of the stock of said plate extending inwardly at right angles thereto about said openings to form collars thereabout, a pyrophoric tube extending through one of said openings, a snuffer arm hinge post extending through another of said openings, and a wick tube extending through another of said openings, the parts in each of said openings having a shoulder to engage said top plate, and each of the parts in said openings being held in definite relation to each other by the collars on said plate about said openings.

1,736,359. APPARATUS FOR MOISTENING YARNS, THREADS, AND THE LIKE. HEINRICH PFERDMENGES, Giesenkirchen, Germany. Filed Jan. 23, 1926, Serial No. 83,323, and in Germany Jan. 26, 1925. 3 Claims. (Cl. 221—103.)



3. An apparatus for moistening yarns, threads and the like, including a measuring container, a diaphragm formed of flexible fluid tight material located in and having its marginal portions secured to the container, and means for variably limiting the displacement of the diaphragm.

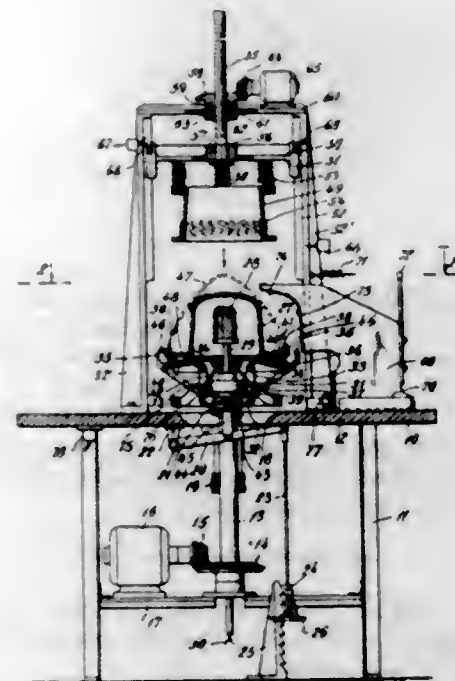
1,736,360. POWER LOOM IN ORDER TO OBTAIN BROCADES THEREFROM. CARLO PIZZORNO, Genoa, Italy. Filed Aug. 13, 1924, Serial No. 731,839, and in Italy Aug. 20, 1923. 4 Claims. (Cl. 139—121.)



1. In a mechanical brocade weaving loom, groups of rotatable horse-shoe shaped shuttles provided with thread spools, the shuttles of each group having different colored threads, the latter being adapted to be lowered alternately under the raised chain threads in dependency of a jacquard machine, according to the two color brocade pattern to be produced on the base and connected with the latter by the base weft threads, a drive consisting of a wheel provided with lateral discs and a central disc, a crank carried by one disc, a rod driven by

said crank and connected with the brocade batten, a double chain arranged about one of the discs for driving the latter, a spring engaging with the upper cross bar of the loom and connected with one end of the chain, and a cable attached to the other end of the chain.

1,736,361. HAT-FINISHING MACHINE. LOUIS PLATT, New York, N. Y., assignor to Platt Hat Machine Corporation, a Corporation of New York. Filed Dec. 8, 1927. Serial No. 238,493. 20 Claims. (Cl. 223—31.)



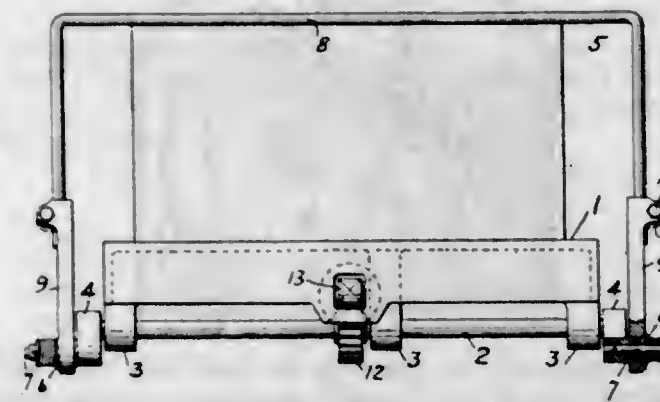
1. A machine for finishing hats which comprises the combination of a block adapted to receive a hat blank, a plurality of gripping means associated with the block operable to grasp the edges of the blank and movable in a direction parallel to the axis of said block to draw the blank into tight engagement with the block, a second block adapted to cooperate with the first, and power-driven means for effecting relative movement of the block into and out of cooperating relation.

1,736,362. TEMPLE. LAWRENCE PORTON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 12, 1927. Serial No. 160,606. 10 Claims. (Cl. 89—52.)



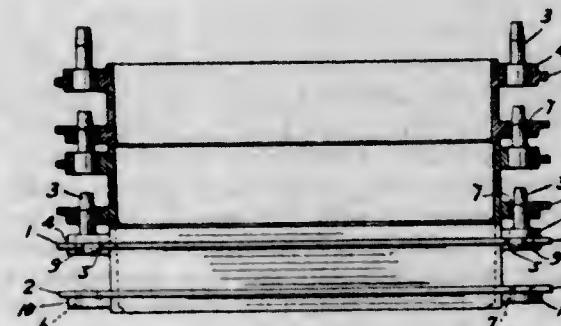
2. The process of making a flexible cable core for a temple for an ophthalmic mounting comprising winding a spiral rod like member, reducing one end of the said member in diameter, inserting a tube over the reduced end of said member, compressing the said member and tube until they are of the same diameter, securing a butt member to the end of the tube, and shaping a portion of the butt to form a temple hinge member.

1,736,363. MOLDING-MACHINE CLAMP. JOHN T. RAMSDEN, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 5, 1927. Serial No. 231,307. 5 Claims. (Cl. 22—109.)



2. A molding machine clamp comprising a mold carrier, crank arms turnably mounted on the carrier, a pair of clamps, friction clutch elements interposed between the clamps and crank arms, and means on the carrier for turning the crank arms.

1,736,364. FLASK FOR MULTIPLE MOLDING. JOHN T. RAMSDEN, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 15, 1928. Serial No. 261,767. 3 Claims. (Cl. 22—96.)

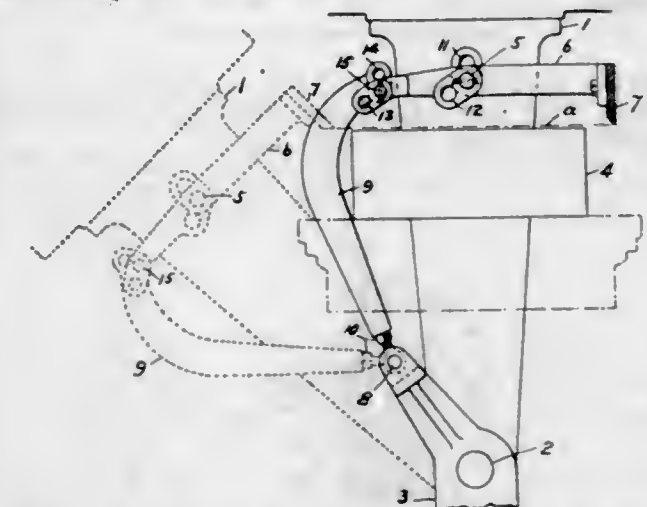


1. A metal flask for multiple molding having parallel top and bottom faces and having around it externally projecting ribs deeper at the centers of the ends and sides of the flask than at its corners, the top ribs provided at the ends of the flask with upwardly projecting pins and on its under face with upwardly and inwardly beveled surfaces, and the bottom rib provided with bushings of which one is adapted to fit a pin like one of said pins and of which the other is relatively elongated in the direction of the length of the flask to compensate for expansion by affording movement in respect to a pin like one of said pins.

1,736,365. STRIKE-OFF MECHANISM FOR MOLDING MACHINES. JOHN T. RAMSDEN, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, a Corporation of Pennsylvania. Filed May 22, 1928. Serial No. 279,794. 3 Claims. (Cl. 22—9.)

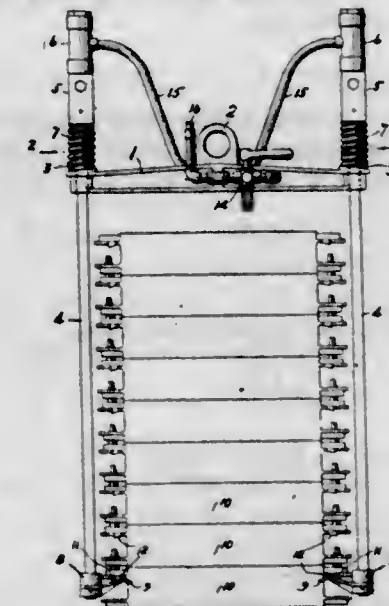
1. Strike-off mechanism for molding machines having a hinged ramming yoke swingable over and back of a flask, a pivot on the yoke adapted to traverse a segment of an arc of a circle described about the hinge of the yoke as a center, arms pivoted intermediate of their ends to said pivot, a

strike-off bar carried at the front ends of the arms, a fulcrum fixed in respect to the fixed frame of the machine and located back of the center line of the yoke in vertical



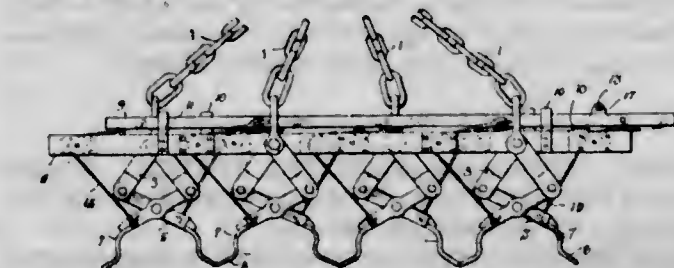
position and between the hinge of the yoke and the path of the pivot, and links pivoted to said fixed fulcrum and to the rear end of the arms and of less length than the distance between the pivot and the hinge of the yoke.

1,736,366. SHOCKLESS SHAKE-OUT BAIL FOR MOLDS. JOHN T. RAMSDEN, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 22, 1928. Serial No. 279,795. 4 Claims. (Cl. 22—1.)



1. A shockless shake-out bail for a stack of flasks comprising a yoke having suspension means, tension rods slidable through the yoke and having lugs, vibrators operatively connected with the rods, springs between the lugs and yoke for supporting the rods and opposing transmission of vibration to the yoke, and feet at the ends of the rods for engaging the bottom flask.

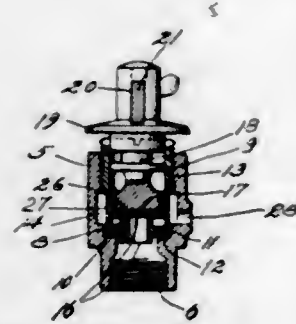
1,736,367. WHEEL LOADER. WESLEY W. REMBER, Little Rock, Ark. Filed Dec. 27, 1927. Serial No. 242,688. 4 Claims. (Cl. 294—106.)



1. A loader comprising a carrier, grapples mounted upon the carrier, a frame movable upon the carrier, flexible con-

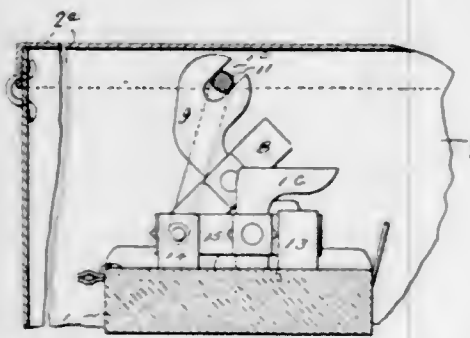
nections between the elements of the respective grapples, and the said movable frame, and guide means on the carrier for deflecting the flexible connections intermediate their ends.

1,736,368. FLUSH-TANK VALVE. ARTHUR P. RICARD, Kansas City, Mo. Filed Nov. 21, 1927. Serial No. 234,762. 5 Claims. (Cl. 137-104.)



3. In a valve of the character described, a valve body having an inlet and an outlet, a valve seat member removably mounted in said valve body intermediate said inlet and outlet, a sleeve adjustably mounted in said valve body with its inner end engaging said valve seat member and its outer portion extending beyond said valve body, means in the outer portion of said sleeve for adjusting the same, and a valve slidably mounted in said sleeve to cooperate with said valve seat.

1,736,369. ELECTRICAL SWITCHING MEANS. JOSEPH SACHS, West Hartford, Conn. Filed July 29, 1922. Serial No. 578,339. 6 Claims. (Cl. 200-50.)

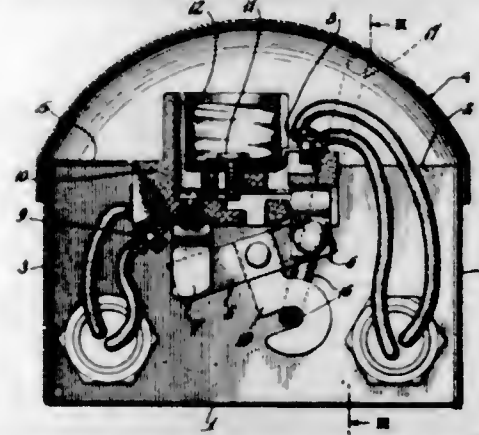


1. In a switch, the combination of a base block, a plurality of pairs of switch contacts on the block, a plurality of switch blades mounted on the block for independent movement and adapted upon being so moved to respectively connect and disconnect the switch contacts of the several pairs, a blade operating means movably mounted independently of any of the switch blades, a connection between the operating means and one blade adapted for moving the said blade in either direction, and a connection between the operating means and another blade adapted for moving the said blade in the closing direction and incapable of moving it in the opening direction.

1,736,370. INCLOSED ELECTRIC SWITCH. JOSEPH SACHS, Hartford, Conn. Filed Aug. 7, 1923. Serial No. 656,183. 10 Claims. (Cl. 247-0.)

9. An inclosed externally operated switch comprising in combination a box body, a switch base removably supported thereon at a distance from the back wall and with three of its sides associated with adjacent fixed wall por-

tions of the box body to form an interior protected space, a switching element and its contacts and wire connecting means mounted on the base, the wire connecting means at one end of the element being within said inaccessible space



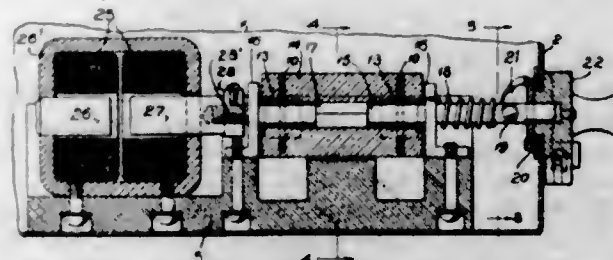
and accessible only by removing the base from the body, and an external operating handle mounted on the box body and having a readily detachable connection with the switching element therein.

1,736,371. AUTOMATIC CIRCUIT BREAKER. JOSEPH SACHS, West Hartford, Conn. Filed Dec. 19, 1924. Serial No. 756,890. 10 Claims. (Cl. 200-89.)



1. In a circuit breaker of the class described, the combination of a transverse rotatable operating spindle, an actuator rigidly connected with the spindle for rotation therewith, a movable contact member mounted directly on the spindle for pivotal movement thereon, the said member being located adjacent the actuator and being biased for movement to its open-circuit position independently of the spindle and actuator, a manually movable handle transversely spaced from the actuator and contact member and operatively connected with the spindle independently of the actuator, and an electro-responsively controlled means including a releasable bodily movable mechanical connection interposed between the actuator and the contact member and normally biased toward its operative relationship, the said mechanical connection enabling the actuator to actuate the contact member for ordinary switching purposes when the handle is manually moved and the said mechanical connection being automatically released upon the passage of excess current to permit the contact member to automatically move independently of the actuator to its open-circuit position.

1,736,372. AUTOMATIC CIRCUIT BREAKER. JOSEPH SACHS, West Hartford, Conn. Original application filed July 28, 1922, Serial No. 578,125. Divided and this application filed Sept. 1, 1928. Serial No. 303,544. 17 Claims. (Cl. 200-89.)



1. An automatic circuit breaker comprising in combination, a circuit opening and closing means, a manually mov-

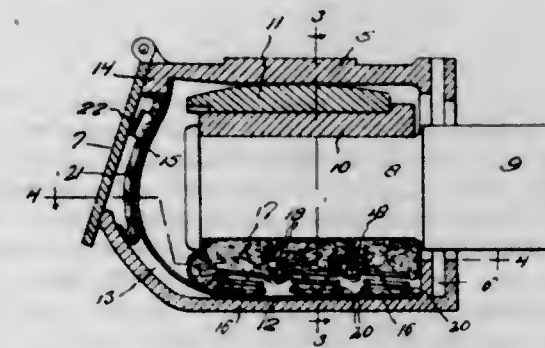
able operating member, two automatic excess current responsive devices, means dependent upon the excess current responsive action of either or both of the last said devices for automatically operating the said opening and closing means independently of the operating member to open the circuit, separate terminals for the two excess currents responsive devices whereby they may be connected in different portions of the circuit, and means enabling the operating member to effect the operation of the opening and closing means to close the circuit after automatic opening thereof as aforesaid, the last said means being inoperative to prevent the said automatic excess current responsive opening of the circuit.

1,736,373. ROD COUPLING. ADOLPH M. SEEGER, Toledo, Ohio, assignor to The Seeger Device Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 21, 1927. Serial No. 176,850. 1 Claim. (Cl. 287-103.)



A coupling including a pair of members each formed of a substantially rectangular strip, one of said members being provided with a pair of longitudinally spaced substantially rectangular openings in proximity to an end thereof, the outer opening being of greater length than the inner opening, the other member being formed with a pair of longitudinally spaced U-shaped openings in and at substantially right angles to the respective side edges, which openings face in opposite directions and form a pair of hooks, the distance between said U-shaped openings being slightly less than the length of said outer rectangular opening, the outer hook being receivable in the several rectangular openings and being of a width so as to conformably engage in the inner opening, the distance between the free end of the first named member and the outer end edge of the longer rectangular opening being slightly less than the width of the inner U-shaped opening, said rectangular openings extending transversely through the first named member whereby in coupled position the members occupy a right-angled relation.

1,736,374. JOURNAL OILER. CHRIS SERVAYS, Sioux City, Iowa, and FRANK KAZMER, South Sioux City, Nebr. Filed July 13, 1928. Serial No. 292,561. 5 Claims. (Cl. 308-88.)

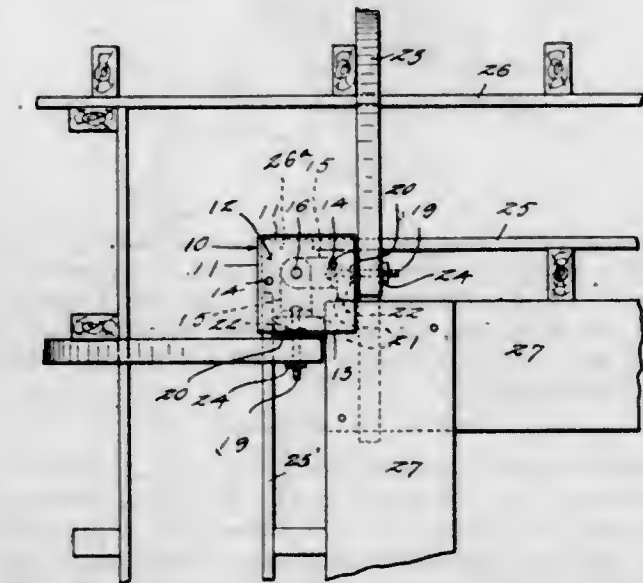


2. A journal oiler comprising a plate adapted to be positioned in the bottom of a journal box beneath the journal and having a longitudinal series of helical springs secured thereon, means to fasten a body of absorbent packing upon said plate and over said springs, said plate having a resilient upwardly curved outer end portion adapted to extend upwardly past the outer end of the journal and across the front opening of the journal box, and a dust shield for the front opening of the journal box embodying a sheet of flexible material of a greater area than said opening attached to the upwardly extending end of said plate.

1,736,375. CLEANING COMPOSITION. SAMUEL T. SHERICK, Denver, Colo., assignor to Edwin S. Kassler, Jr., and Thomas P. Campbell, Denver, Colo., trustees. Filed Oct. 25, 1927. Serial No. 228,690. 4 Claims. (Cl. 87-5.)

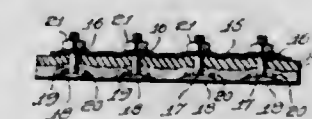
2. A composition of matter comprising acid-treated bentonite, flour and salt.

1,736,376. CONCRETE MOLD. CHARLES M. SHOWERS, Madison, Wis. Filed Dec. 4, 1928. Serial No. 323,632. 6 Claims. (Cl. 25-131.)



4. In a mold for forming reentrant angles, an angle bar, end walls connecting the flanges of the angle bar, angularly disposed mold sections having their ends extended into and engaging with corresponding faces of the flanges of the angle bar, elements pivoted to the inner faces of the end walls of said angle bar, bars having their ends secured to said elements and swingable toward and away from the flanges of the angle bars to engage the inner faces of the mold sections and clamp them against said flanges, and means for securing braces to said bars.

1,736,377. BELT FASTENER. RAYMOND W. SKINNER, Tulsa, Okla. Filed Apr. 12, 1929. Serial No. 354,605. 3 Claims. (Cl. 24-37.)

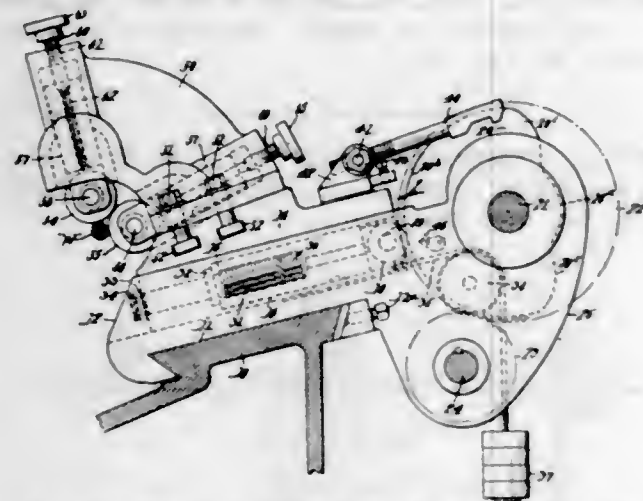


1. A belt fastener comprising a plurality of circular members joined together by reduced portions and adapted to be arranged transversely across a belt, each of said members being provided with an opening, bolts adapted to extend through said belt and said opening and provided with circular heads the inner faces of which are substantially conical, projections carried on said conical faces and adapted to extend into the belt, and means engaging said members for drawing the outer faces of the heads of said bolts to a position substantially flush with the inner surface of said belt.

1,736,378. STEADY REST. EDWIN R. SMITH and RICHARD A. ASHTON, Seneca Falls, N. Y., assignors to Seneca Falls Machine Co., Seneca Falls, N. Y., a Corporation of Massachusetts. Filed Sept. 10, 1927. Serial No. 218,749. 11 Claims. (Cl. 82-88.)

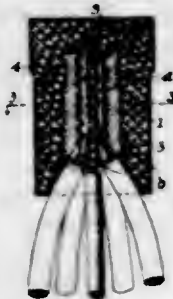
1. In a machine tool, a steady rest, a carriage therefor, and automatic, machine operated means mounted on said

carriage and movable therewith to advance said steady rest relative to said carriage, to operative position during the continued operation of the machine.



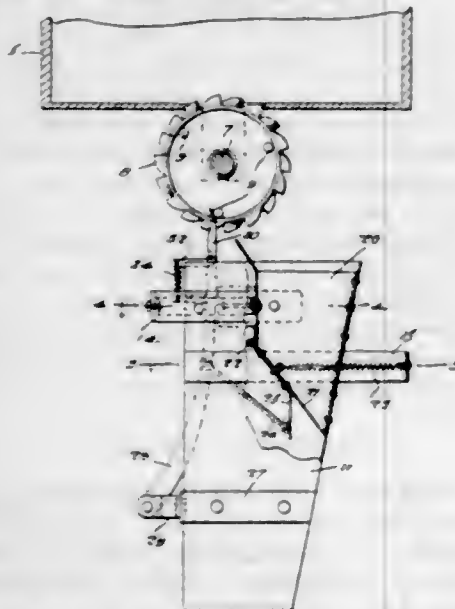
8. In a machine tool of the lathe type, a steady rest, and automatic means to slide said steady rest transversely of said tool to advance said steady rest to operative position during the continued operation of the machine, and to slidably withdraw said steady rest after a predetermined period of operation.

1,736,379. WIRE CONNECTER. WILLIAM R. SOMMER, Hackensack, N. J., assignor to The Jiffy Wire Connector Company, Hackensack, N. J., a Corporation of New Jersey. Replied for abandoned application Serial No. 19,925, filed Apr. 1, 1925. This application filed Oct. 26, 1926. Serial No. 144,322. 5 Claims. (Cl. 173-263.)



1. A device of the class described having a bore to receive the wires to be united and in the bore an inwardly projecting thread-cutting element the volutes of which are spaced from each other at their bases and each uninterrupted around the axis of said bore.

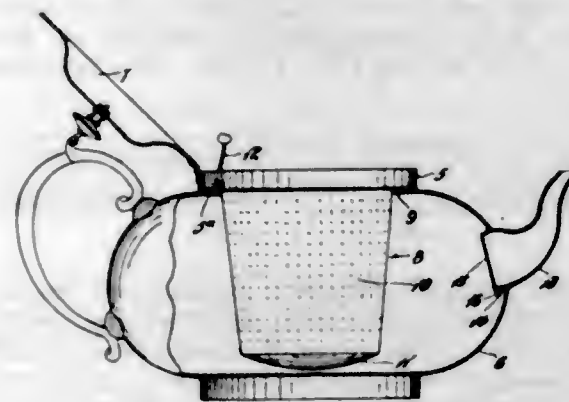
1,736,380. COTTON-PLANTER ATTACHMENT. CLAUDE A. STEELE, Cheyenne, Wyo. Filed Feb. 17, 1928. Serial No. 254,983. 7 Claims. (Cl. 111-51.)



1. An attachment of the class described comprising, a boot-like casing for disposition below the seed box of a

planter, a hopper in the boot-like casing, a hinged closure at the bottom end of the hopper, an arm projecting from the closure, a link pivotally engaged with the arm, a lever pivoted on the boot and extending therethrough upwardly thereof, said link being pivotally engaged with an intermediate portion of the lever, a notched wheel rotatably mounted intermediate the feed box and said boot-like casing having pins projecting laterally therefrom for engaging the lever to rock the same and swing the closure to an open position.

1,736,381. TEAPOT. JAMES HENRY THOMPSON, East New, Australia. Filed Apr. 19, 1928, Serial No. 271,289, and in Australia Nov. 14, 1927. 4 Claims. (Cl. 53-3.)



1. In tea pots, an infusion chamber having a circular flange at the upper end and being rotatably and detachably dependent from the mouth flange of the tea pot, said chamber having a finely perforated wall and proceeding downwardly with a gradual variation of the form to a non-circular section, with a closed bottom at the lower end of the chamber.

1,736,382. TRAFFIC SIGNAL. LEO M. TORRENCE, Topeka, Kans., assignor to Jo Margaret Torrence, Arlington, Kans. Filed Jan. 17, 1929. Serial No. 333,145. 2 Claims. (Cl. 116-63.)

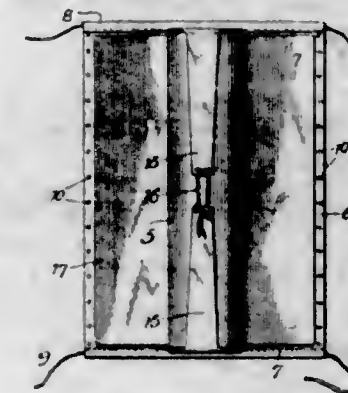


1. In a means to prevent cross illumination in a rotary traffic signal of the kind described, a rectangular housing stationarily mounted upon a tubular support, a transparent cylinder rotatably mounted within the said rectangular housing and rotatable upon the said tubular support, windows in the said rectangular housing having street naming indicia thereon, traffic regulatory indicia mounted upon the said transparent cylinder having the words "Stop" and "Go" thereon, means to illuminate the interior of the transparent cylindrical housing, vanes vertically positioned at the corners of the said rectangular housing and extending in a diametrical direction therefrom toward the transparent cylindrical housing for the purpose of preventing cross illumination between the windows of the rectangular housing substantially as shown.

1,736,383. LINOLEUM JACKET. WILLIAM H. WAGGONER, Kansas City, Mo. Filed July 30, 1928. Serial No. 126,015. 4 Claims. (Cl. 150-52.)

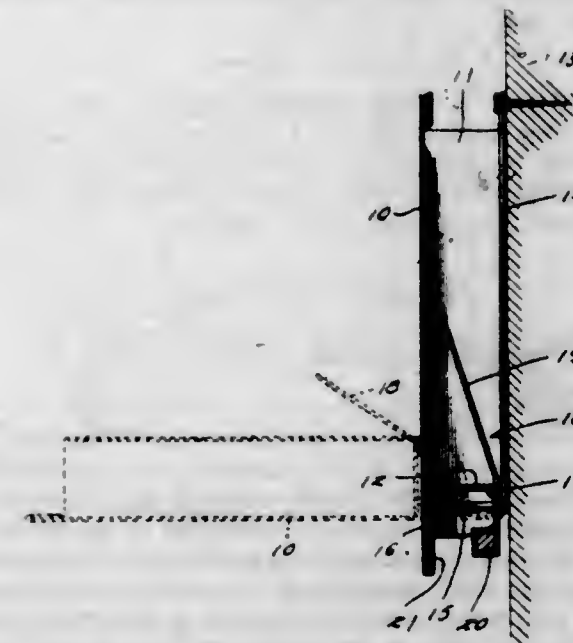
1. An article holding jacket of the kind described comprising a body sheet, an article retaining member secured

to said sheet adjacent two opposite edges thereof and means associated with said retaining member for holding the



same against the article, said means being housed between the article and the body of the sheet when in the operative position.

1,736,384. BILL FILE. JAMES W. WRIGHT, Eureka, Calif., assignor to Eliza A. Early, Eureka, Calif. Filed Nov. 13, 1928. Serial No. 319,055. 6 Claims. (Cl. 129-28.)



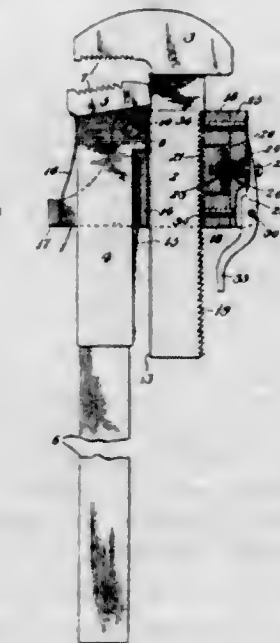
1. In combination, a bill compartment comprising front, bottom and side walls, a bracket adapted to be attached to a wall surface including forwardly extending arms the outer ends of which have pivots engaging said compartment in proximity to the rear face of said front wall and adjacent the lower end thereof, the front wall being continued below the pivots to provide a heel to engage said forwardly extending portions of the bracket and limit swinging movement of the compartment when the front wall is substantially horizontally disposed, and means counterweighting the front wall structure when in a vertical position to resist movement thereof about said pivot.

1,736,385. WRENCH. JAMES B. ARBUCKLE, Charleroi, and WILLIAM DEPPER, Donora, Pa. Filed June 1, 1928. Serial No. 282,192. 1 Claim. (Cl. 81-103.)

A wrench comprising a saddle formed with longitudinally extending passages, one passage having a side passage opening through an end of the saddle, a cap removably secured to said saddle and closing the outer end of said side passage, jaws having shanks extending through the longitudinal passages of said saddle, one shank being pivotally mounted adjacent the front of the saddle and extended rearwardly to form a handle and the other slidable through the saddle and formed with rack teeth in a side edge face facing the side passage, a locking dog

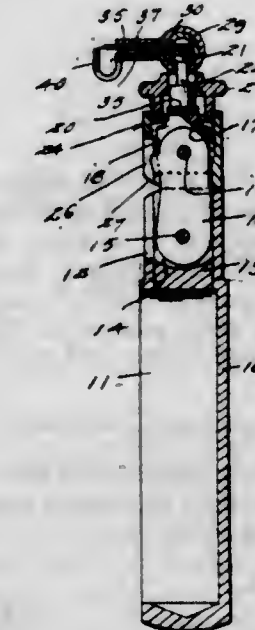
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as wide as the shanks are thick and substantially as long as the height of said side passage and slidable in said side passage towards and away from the toothed face of the shank and maintained longitudinally in place by the walls of the side passage and formed with teeth to engage with the teeth of the shank and to secure the shank in an adjusted position, said dog being bodily removable through the end opening of the side passage, said dog and cap



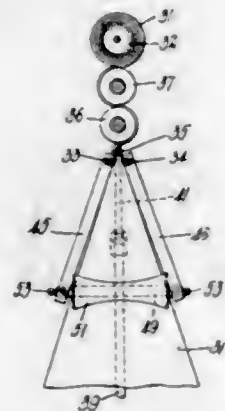
being formed with aligned seats, a pin extending through the cap and engaged with said dog and having a head at its outer end, a spring coiled about said pin and having its ends seated in said seats and serving to yieldably retain the dog in an operative position, and a trigger pivoted to said cap and having one end notched to receive said pin and formed with a convexed outer surface bearing against the head of the pin whereby rocking of the trigger will move the pin to draw the dog to a releasing position.

1,736,386. RAZOR. ROBERT O. BARNES, Phoenix, Ariz. Filed Jan. 26, 1929. Serial No. 335,242. 9 Claims. (Cl. 80-12.)



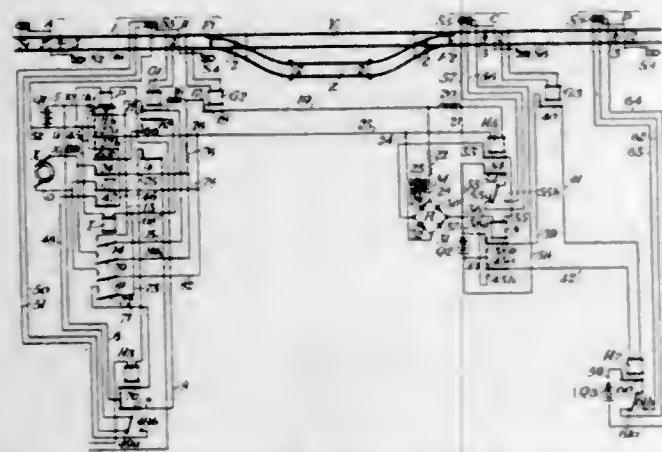
4. In a razor, a razor head including a member having a bore and a slot, a handle, a guide carried by one end of the handle and having a head shiftable in the bore of said member and connected to the guide by a neck shiftable in the slot, and means surrounding the guide for clamping said member against movement with relation to the guide, the slot of said member extending to one end thereof, the bore of the member at said end being reduced to prevent passage of the head therethrough while permitting rotation of the member to align the same with the handle.

1,736,387. TENSION DEVICE FOR KNITTING MACHINES. WILLIAM T. BARRATT, Bennington, Vt., assignor to Charles Cooper Company, Bennington, Vt., a Partnership consisting of Elizabeth Cooper Kelley and Charles C. Kelley. Filed Sept. 22, 1928. Serial No. 307,638. 4 Claims. (Cl. 66—151.)



1. A tension device for a tube of knitted fabric comprising, in combination, a support adapted to be attached to a knitting machine, and a plurality of rolls rotatably mounted upon said support and engaging the fabric tube to decrease the distance between the opposite sides thereof and equalize the tension thereon.

1,736,388. RAILWAY SIGNALING. CHARLES W. BELL, Wilkesburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1929. Serial No. 340,453. 10 Claims. (Cl. 246—33.)



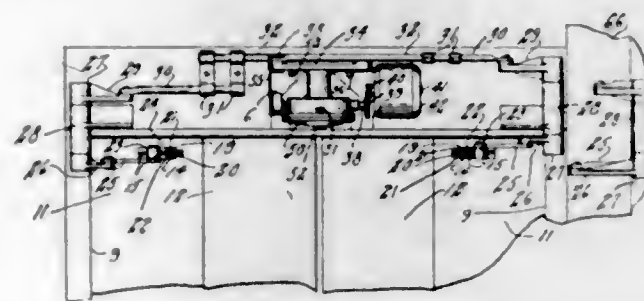
3. In combination with a railway home signal, a distant signal for said home signal, a control circuit for said home signal energized by current of a given character, and a control circuit for said distant signal including the wires of said home signal control circuit and energized by current differing in character from said home signal control current and energized only while said home signal control circuit is energized.

1,736,389. PORTABLE HORSEPOWER. PAUL F. BOYD, Chicago, Ill. Filed May 23, 1928. Serial No. 280,042. 3 Claims. (Cl. 185—19.)



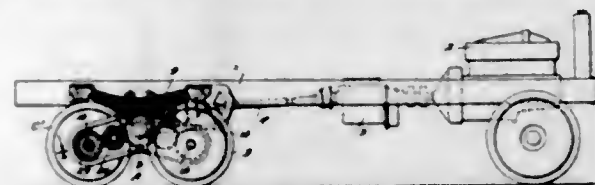
1. A portable horse power comprising a power unit, and a work unit, each of the units being mounted upon trucks, narrow low-down coupling means connecting the two units to admit of an animal stepping readily thereover, and transmission means connecting the drive element of the power unit with the driven element of the work unit.

1,736,390. SWING-DOOR-OPERATING MECHANISM. JOHN A. BRUBAKER, Toledo, Ohio, assignor to The Haughton Elevator & Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 9, 1925. Serial No. 14,115. 6 Claims. (Cl. 268—63.)



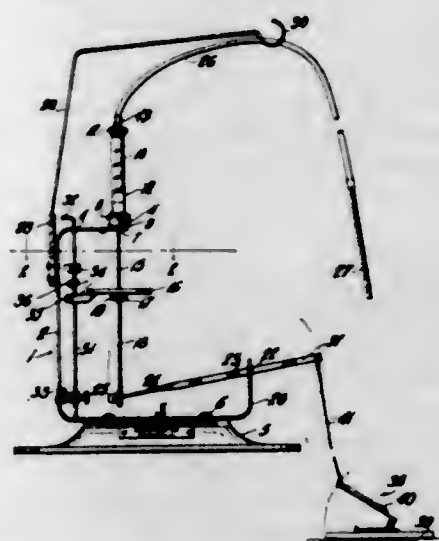
1. The combination with a way, of a door hinged to the inner edge of the way and adapted to swing outwardly, a bracket mounted on and extending outwardly from said way approximately in the plane in which the upper edge of the door swings, a rock shaft mounted in said bracket, two arms rigidly secured to said rock shaft, a link connecting one of said arms to the door, and a link connecting the other of said arms to a source of power, said rock shaft being at a sufficient distance outside of the way to permit said arms to swing between the rock shaft and the edge of the way.

1,736,391. DRIVE FOR MOTOR VEHICLES. JOHN WALTER CHRISTIE, Avon, N. J., assignor, by mesne assignments, to Browning Crane Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 23, 1929. Serial No. 342,003. 14 Claims. (Cl. 180—22.)



1. In a motor vehicle a load carrying axle, a carrier mounted pivotally on the axle at each side of the vehicle, two pairs of wheels mounted on opposite sides of the carrier and of the axle, respectively, two live axle sections within the load carrying axle, and means to drive two pairs of wheels at each side of the vehicle from one of said live axle sections.

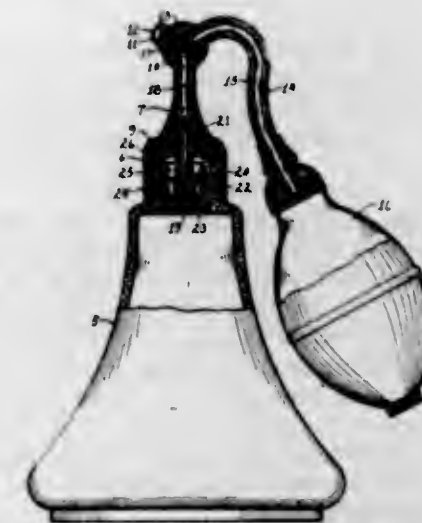
1,736,392. PIPETTE. DORRIS COSS and GAYMAN CHAMBERS, Columbus, Ohio. Filed July 12, 1928. Serial No. 292,314. 1 Claim. (Cl. 221—103.)



In a device of the class described, a frame, a socket element thereon, a suction cylinder releasably secured in the

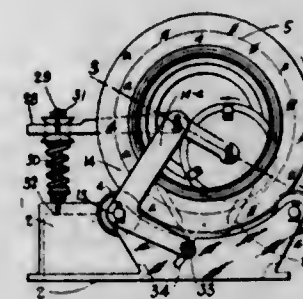
socket, a fluid receiving tube communicating with the cylinder, a piston in the cylinder having an extended piston rod, a stop element secured to the end of the piston rod, a lever pivoted in the frame, a rod connecting the said lever with the said stop element, an adjusting rod rotatably mounted in the frame adjacent the piston rod, a plurality of adjustable spaced fingers thereon, the said fingers being arranged in different radial planes passing through the axis of the adjusting rod and the said fingers being selectively rotatable into the path of the stop element to limit the movement thereof.

1,736,393. ATOMIZER. THOMAS A. DE VILBISS, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 3, 1928. Serial No. 244,144. 14 Claims. (Cl. 299—89.)



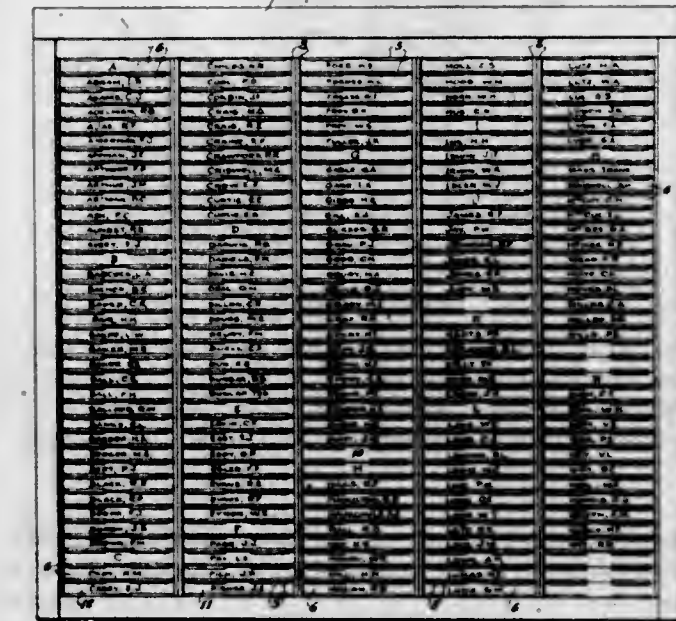
1. In an atomizer, the combination with a container and a stopper therefor having a passageway through which liquid may be discharged, of a cup supported in position to constitute a liquid seal for said passageway when the cup contains the requisite amount of liquid, said cup being adjustable to effect a closure between the contents of the container and said passageway to prevent escape of said contents.

1,736,394. GRINDING MACHINE. ARTHUR H. DIERKER, Columbus, Ohio. Filed Apr. 15, 1929. Serial No. 355,151. 11 Claims. (Cl. 83—9.)



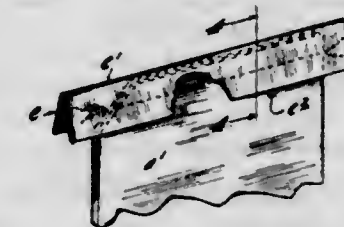
1. In a machine of the character described, a base, a cylinder mounted for rotation about its longitudinal axis and supported by said base, said cylinder having material receiving and discharging openings formed in the opposite ends thereof, a shaft passing through said cylinder and supported by said base, a pair of arms fixed to said shaft, and a roll rotatably carried by the outer ends of said arms and arranged immediately contiguous to one of the walls of said cylinder.

1,736,395. INDEX FOR FILING APPLIANCES. WILLIAM E. DUNNING, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a Corporation of Ohio. Filed May 8, 1928. Serial No. 276,070. 5 Claims. (Cl. 40—63.)



1. An index leaf provided with spaced rows of channels, and a plurality of card holders upon said index leaf, each card holder comprising a flexible metal strip having its end portions slidably engaged in said channels, and card retaining members carried by and extended around said flexible strip at each side of the vertical center thereof.

1,736,396. REINFORCING CLOSURE MEANS FOR PAPER BAGS. JAMES DUVALL, Camas, Wash. Filed May 27, 1926. Serial No. 111,936. 2 Claims. (Cl. 229—62.)

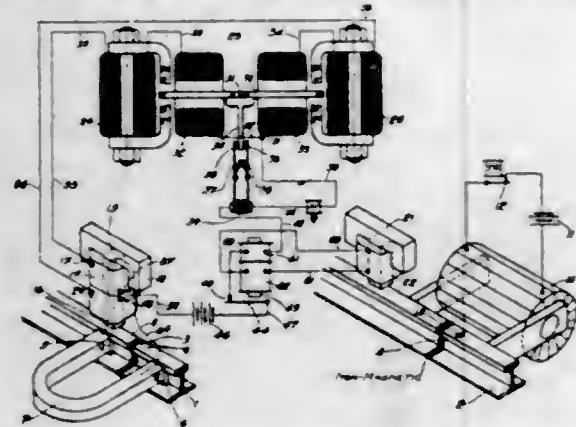


1. A closure means for the open end of a bag-like container designed for powdered material, comprising a line of stitching holding the opposing walls of the open end of the container in contact to prevent bulk leakage of the material, and an imperforate sealing strip secured adhesively to the exterior surface of each wall of the bag to overlap the stitching, whereby to protect the threads of the stitching against wear and at the same time seal the openings in the material of the bag incident to the passage of the thread therethrough in the stitching operation.

1,736,397. SYSTEM OF TRAIN CONTROL. OSCAR S. FIELD, Albany, N. Y., assignor to Union Switch & Signal Co., a Corporation of Pennsylvania. Filed Nov. 23, 1925. Serial No. 70,903. Renewed Sept. 21, 1928. 9 Claims. (Cl. 246—63.)

2. A system of train control comprising a train carried relay having a movable member, two magnets arranged

when energized to move the member in opposite directions, a train carried inductor having two coils, a source of energy on the train normally supplying current to said coils in opposition and to said magnets so that their



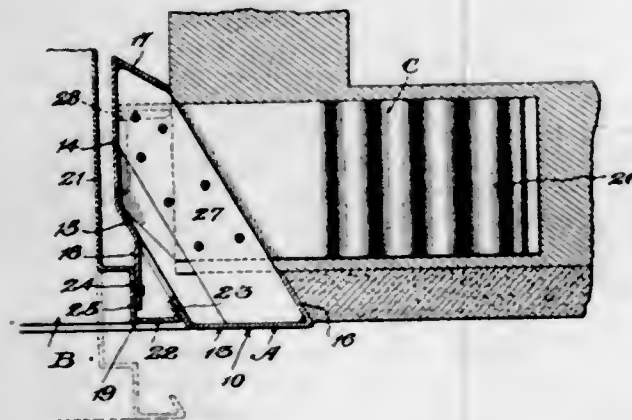
effects upon the movable member are balanced, and a source of magnetic flux located in the trackway for at times inducing additive voltages in the two coils to destroy the balance of the magnets and move the member.

1,736,398. ELECTRIC INCANDESCENT IGNITER. KONRAD SCHAFFLER, REKTE GLÖSSL, Vienna, Austria. Filed July 24, 1928, Serial No. 295,061, and in Austria Dec. 1, 1927. 5 Claims. (Cl. 102-10.)



1. In an incandescent igniter electrodes an electrode carrier, an incandescent wire wound on the electrode carrier and round the electrodes transversally in respect to the longitudinal direction of the electrodes and being insulated therefrom, the wire having a diameter equal to 0.03-0.05 m/m and a minimum length equal to 30 m/m, the ends of said wire being conductively connected to the electrodes and the windings of the wire being widely spaced apart for preventing them from substantially heating each other.

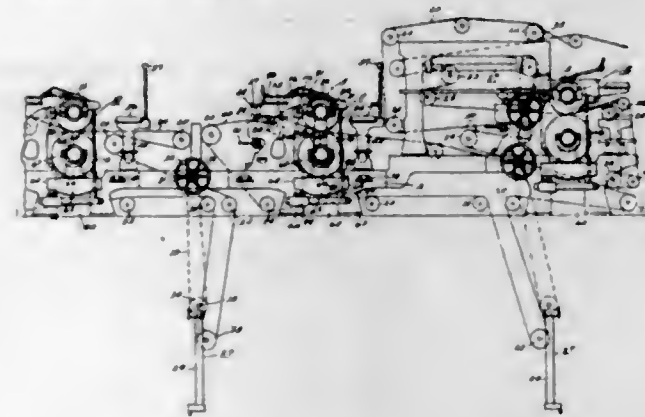
1,736,399. WALL CABINET STRUCTURE. GLENN T. GOURLEY, Youngstown, Ohio, assignor to General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Mar. 2, 1929. Serial No. 344,032. 15 Claims. (Cl. 20-1.11.)



8. A cabinet comprising a sheet metal frame element having in cross-section right angularly disposed portions and a connecting portion extending obtusely with respect

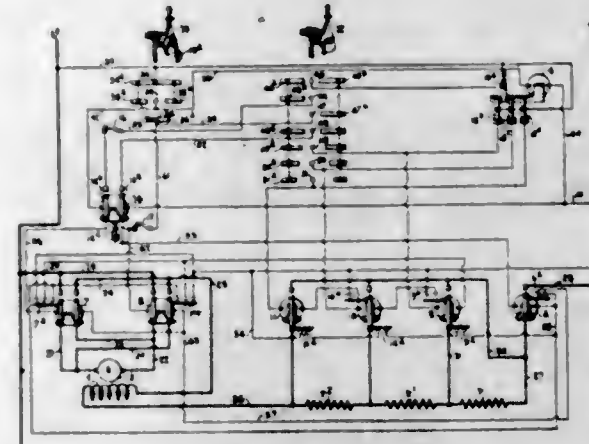
to said right angularly disposed portion, and a casing for engagement within said frame inclusive of a marginal portion for contact with the obtusely extending connecting portion of said frame.

1,736,400. PAPER-MAKING MACHINE. GEORGE H. HARVEY, Middletown, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a Corporation of Ohio. Filed Aug. 9, 1926. Serial No. 128,010. 14 Claims. (Cl. 92-49.)



1. In a paper-making machine of the character described, side frames, a foundation supporting said frames, a paper-forming part normally supported in operative position by said side frames, one of said frames having an opening therein extending to said foundation, a track carried by said foundation extending through said opening to the exterior of the machine, and trucks running on said track and adapted to pass through said opening, said trucks being constructed to support said paper-forming part for withdrawal from and insertion into the space intermediate said side frames.

1,736,401. MOTOR CONTROLLER. PAISLEY B. HARWOOD, Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis., a Corporation of Delaware. Filed July 19, 1928. Serial No. 293,812. 8 Claims. (Cl. 172-179.)

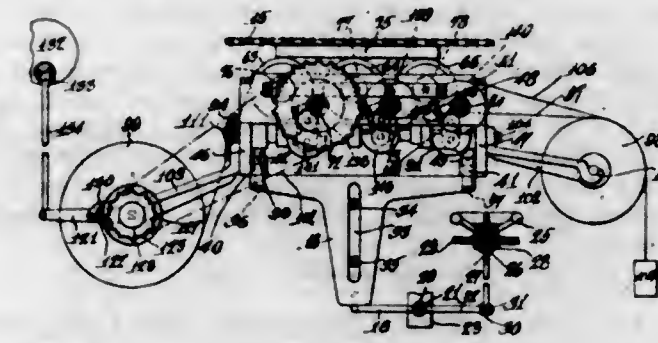


1. The combination with motor controlling means, including reversing means, of a master controller for directing operation of said means and a safety switch biased to a position to render said master controller ineffective and to render said controlling means independently operable for motor operation in a given direction.

1,736,402. CLOTH WIPER FOR POWER-PLATE PRINTING. CYRUS HAWKINS, Camden, N. J., assignor to Hires, Castner & Harris, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 7, 1925. Serial No. 973. 9 Claims. (Cl. 101-168.)

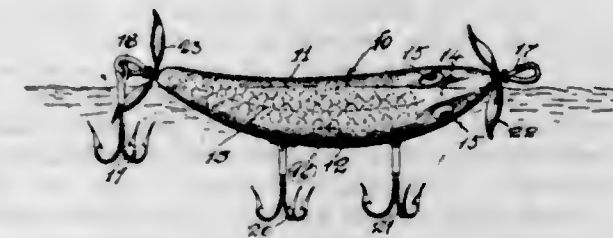
1. In a plate printing press, a movable plate repeatedly inked and at the place of inking movable in one direction

only, a delivery spool, a receiving spool spaced therefrom, a strip of wiping material unwinding from the delivery spool and winding on the receiving spool, a plurality of rolls over which the strip is led between the spools and



by which it is presented as a plurality of wiping surfaces in the path of the inked surface, and a common feed for the rolls and receiving spool, frictionally winding the spool and positively feeding the rolls.

1,736,403. FISH BAIT. CHARLES HEDDON, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed Dec. 1, 1927. Serial No. 236,898. 7 Claims. (Cl. 43-46.)



1. A fish bait comprising a minnow shaped body substantially circular in cross-section bowed upwardly at each end and suitably constructed to float on one side on the surface of the water with the front and rear ends of the bait elevated above the surface of the water, substantially as described.

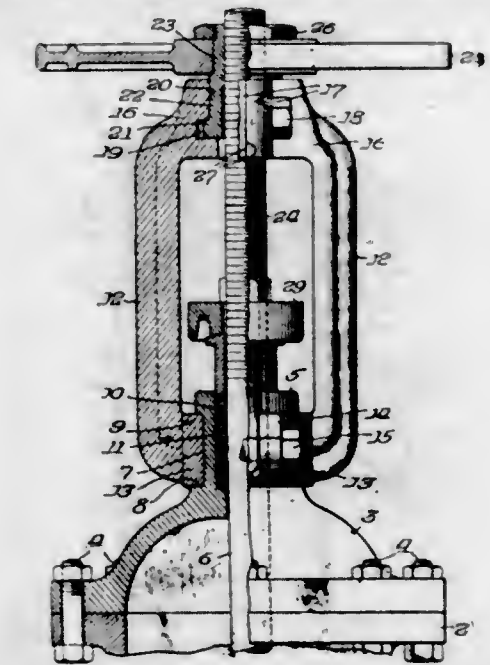
1,736,404. PROCESS FOR TREATING RUBBER LATEX COMPOSITIONS AND ARTICLES FORMED THEREBY. ERNEST HOPKINSON, New York, and MERWYN C. TEAGUE, Jackson Heights, N. Y., assignors to American Rubber Company, East Cambridge, Mass., a Corporation of Massachusetts. Original application filed Aug. 18, 1923, Serial No. 658,183. Divided and this application filed Sept. 22, 1925. Serial No. 57,950. 5 Claims. (Cl. 184-54.)

2. A cold water paint fluid at room temperature and comprising a non-oily aqueous suspension of pigmentary material, a protective colloid, a binder, and rubber latex.

1,736,405. VALVE-YOKE CONSTRUCTION. ARTHUR M. HOUSER, Oak Park, and CARL A. DOPP, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1928. Serial No. 251,792. 15 Claims. (Cl. 251-49.)

1. A valve yoke construction comprising in combination, a bonnet having a stem passage and a flange outwardly projecting from adjacent the top thereof on opposite sides of said passageway, a yoke arm having a portion engaged

with one of said flanges and extending away from said bonnet, a second yoke arm having a portion similarly engaged with the opposite flange and extending similarly



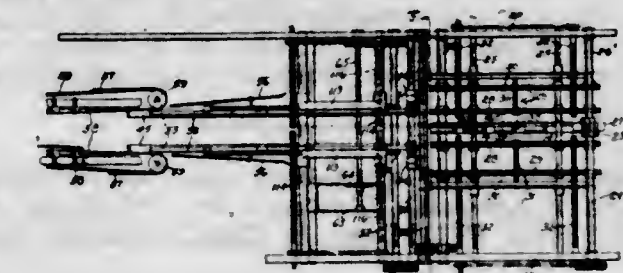
away from said bonnet, and means for simultaneously securing said arms together and said portions against said bonnet.

1,736,406. FURNITURE FIXTURE. ANTHONY T. KORTZ, Grand Rapids, Mich. Filed Sept. 8, 1928. Serial No. 304,635. 2 Claims. (Cl. 40-16.)



1. A metallic card holder adapted to be mounted on a cabinet wall and comprising a body portion with an opening therethrough for displaying the card, a peripheral flange extending inwardly from the body portion and having a bendable and springable extension provided with an orifice therethrough and bent toward approximately parallel relation with the body portion, and mounting means comprising a threaded bolt extending through the orifice and said wall and having a nut and a head non-turnably held between said extension and body portion.

1,736,407. ENVELOPE MACHINE. HAROLD S. LABOMBARDE, Nashua, N. H. Filed Nov. 3, 1927. Serial No. 280,746. 15 Claims. (Cl. 93-62.)

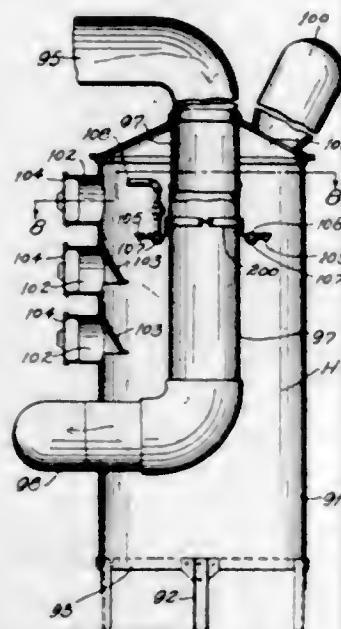


2. A machine having laterally adjustable blank-folding mechanism, scorers for creasing the blanks on their way to said mechanism, and connections for effecting simultaneous adjustment of said folding mechanism and scorers.

1,736,408. AIR COOLER. STEWART E. LAUER, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a Corporation of Delaware. Filed Nov. 30, 1927. Serial No. 286,807. 2 Claims. (Cl. 183-23.)

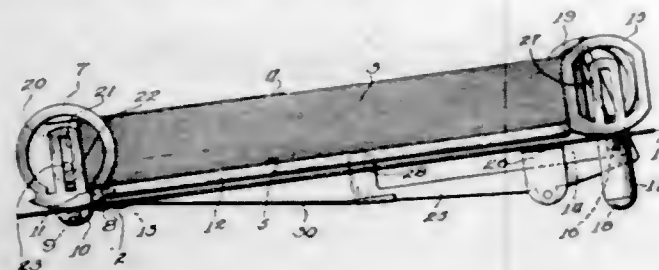
2. In an air cooler, in combination, a combined ventilator and humidifier comprising a tower having an open

bottom, and a vertical air circulation pipe; a split ring encircling and vertically adjustable on said vertical air circulation pipe; a plurality of spray nozzles mounted



on said split ring; said tower having a plurality of outlet openings at different elevations, and a series of removable closures for said outlet openings.

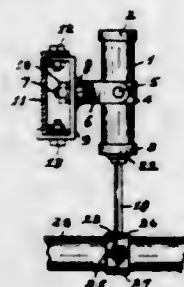
1,736,409. LOOSE-LEAF HOLDER. BENJAMIN E. LAWRENCE, Chicago, Ill. Filed Jan. 16, 1928. Serial No. 247,076. 9 Claims. (Cl. 129-1.)



1. A device of the class described comprising a base adapted to support a pad of sheets having free edges at one end of the base, and a shield pivotally and slidably mounted on said base adjacent said one end and movable into position to overlie said free edges of the pad, said shield being movable toward said base in parallel relation thereto for compressing said free edges.

8. A device of the class described comprising a base for supporting a pad of loose sheets, a shield mounted adjacent one end of said base and adapted to overlie a portion of the pad, said shield having a window therein, and positioning means arranged adjacent the opposite end of said base for urging the pad edgewise toward said window.

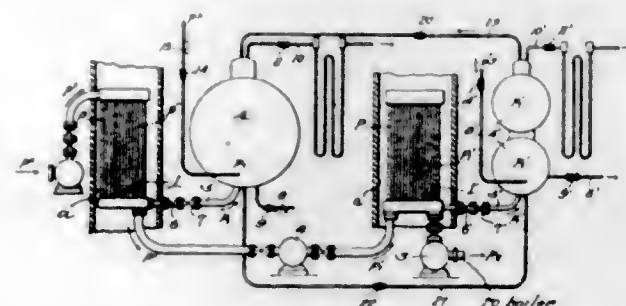
1,736,410. SNUBBER FOR MOTOR-VEHICLE SPRINGS. JOSEPH T. LONGWELL, Pittsburgh, Pa. Filed Aug. 29, 1927. Serial No. 216,103. 1 Claim. (Cl. 188-88.)



In combination, a snubber of the character described for motor vehicle springs comprising an air cylinder pro-

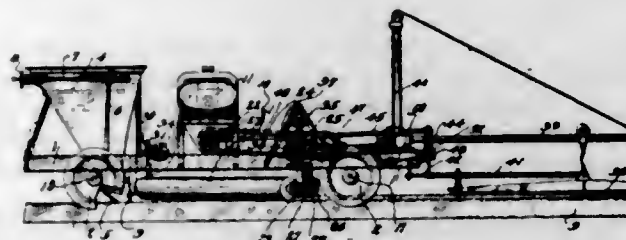
vided with a pair of diametrically opposed trunnion pins, a yoke pivotally connected to the motor vehicle frame, said yoke pivotally engaging said trunnion pins and supporting said air cylinder, a piston mounted in said air cylinder, a piston rod having its upper end fixed to said piston, a laterally disposed shackle fixed to the motor vehicle axle, said shackle consisting of an upper and a lower section, said upper and lower sections formed to combinedly provide a socket, the lower end of said connecting rod having a ball pivotally engaging in said socket, said piston provided with an air passage and including a flexible cup washer having a downwardly disposed peripheral flange for creating resistance when said motor vehicle frame and axle are shifting in the separating direction, substantially as described and for the purpose set forth.

1,736,411. STEAM-GENERATING INSTALLATION. FRANZ LOSEL, Brunn, Czechoslovakia. Filed Aug. 3, 1923, Serial No. 655,468, and in Germany Aug. 5, 1922. 3 Claims. (Cl. 122-35.)



1. In a steam installation or system, in combination, an economizer system comprising two feed-water heaters adapted to be heated by waste fuel heat and connected in series by a pipe line, means in said pipe line for operating said economizers at different pressures, means for feeding said economizers, a steam and hot water accumulator system comprising accumulators for use at different pressures corresponding to said pressures in said economizers, pipe connections for connecting said accumulators with their corresponding economizers, an independent water connection leading from the economizer of higher pressure and means therein to force feed water therethrough.

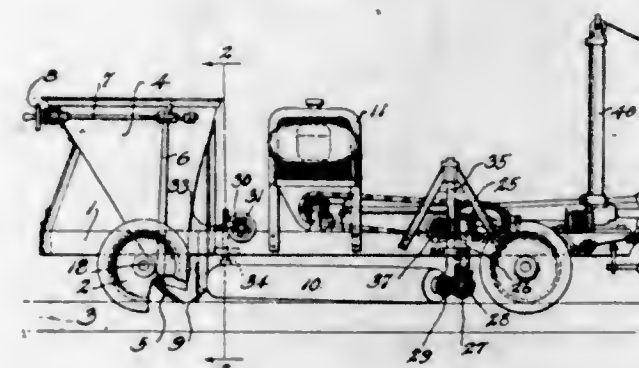
1,736,412. CONCRETE-ROAD-FINISHING MACHINE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 6, 1922, Serial No. 566,363. Renewed June 5, 1929. 19 Claims. (Cl. 94-50.)



1. In a concrete road surface finishing machine, the combination of a portable support, finishing rollers disposed upon said support and arranged in divergent relation for operation upon surface aggregates of a road over which the support is moved.

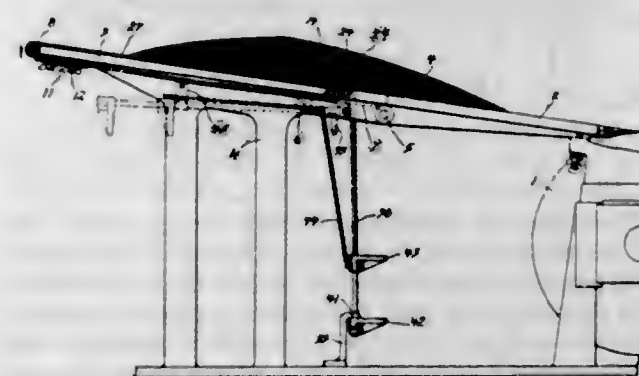
11. In a finishing machine, the combination with a frame, of rollers disposed obliquely with respect to the frame and with respect to each other, means for elevating or depressing the leading ends of both rollers simultaneously, and means for elevating or depressing the trailing ends of both rollers simultaneously.

1,736,413. CONCRETE-ROAD-FINISHING MACHINE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Original application filed June 6, 1922, Serial No. 566,363. Divided and this application filed June 7, 1926. Serial No. 114,314. 9 Claims. (Cl. 94-45.)



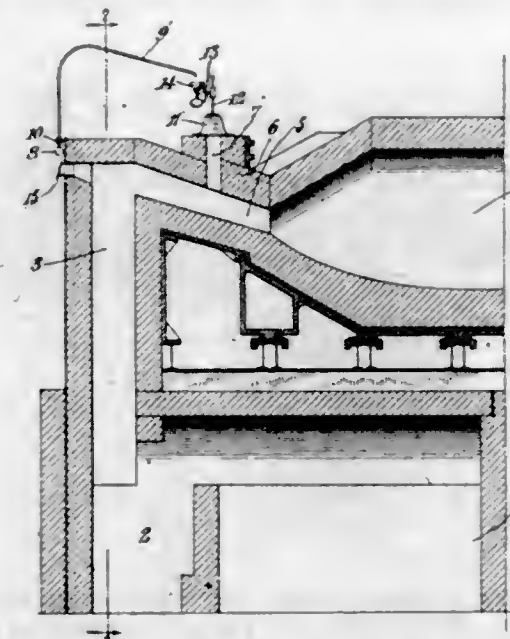
7. In a concrete spreading machine, the combination of a portable support adapted to span the road subgrade upon which the concrete aggregates are laid, a hopper carried by said support transversely of the axis of the road subgrade and provided with a discharge opening located in such relation to the subgrade as to feed the concrete aggregates from the hopper in a depositing layer of predetermined thickness, means to control the discharge opening comprising a door adjustable to vary the thickness of the layer of concrete before being laid down by the machine and in passing from the hopper, and wheels adapted to travel on road rails and to hold the hopper at a predetermined elevation above the subgrade.

1,736,414. MECHANISM FOR ADJUSTING LIFTS OF PAPER UPON FEED BOARDS. ROBERT MIEHLE, Chicago, Ill. Filed July 14, 1924, Serial No. 725,921. Renewed Mar. 8, 1929. 19 Claims. (Cl. 271-8.)



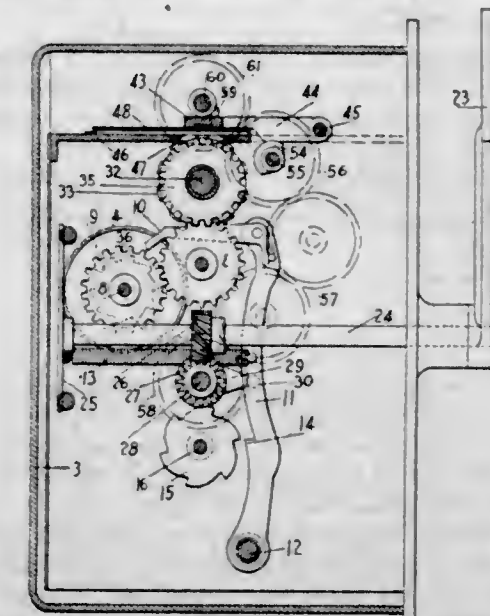
1. In mechanism for adjusting paper upon a feed board the combination with a feed board, of a revoluble roller extending transversely of the feed board and provided with a reduced end portion, a ratchet wheel secured on the reduced end portion of the roller at one side of the feed board, a ratchet arm carried by the roller on said reduced portion for angular movement with respect thereto and disposed immediately outward of the ratchet wheel, a hand crank carried on said reduced portion of the roller outwardly of the ratchet arm for angular and longitudinal movement with respect to the roller, a clutch member secured on said reduced portion of the roller between the ratchet arm and the hand crank, and a clutch member on the hand crank adapted for engagement with said first mentioned clutch member when the crank is moved to an inward position on the roller.

1,736,415. OIL-BURNING FURNACE. GREGOIRE NIEMKOFF, Paris, France, assignor to Societe Anonyme des Appareils de Manutention et Fours Stein, Paris, France, a Corporation of France. Filed Aug. 19, 1921. Serial No. 493,736. 1 Claim. (Cl. 158-4.5.)



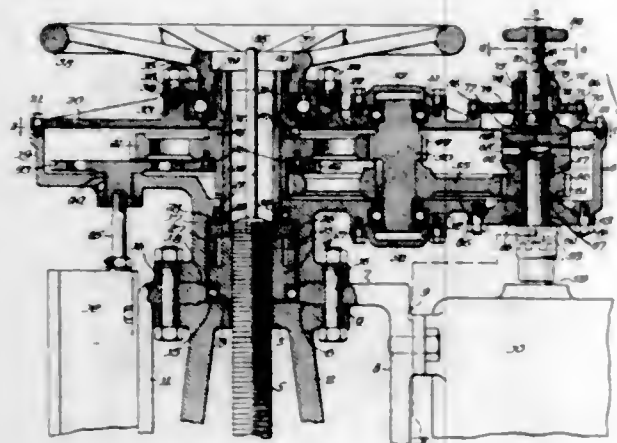
In a metallurgical furnace, a combustion chamber, an intake passage leading thereto, the top wall of said intake passage being provided with an opening, and a liquid fuel-feeding device provided with a cap covering said opening, a drip tube leading through said cap and having a U-shaped portion therein adapted to provide a liquid seal, and a sight feed device interposed between said U-shaped portion and the fuel supply, whereby the fuel may be fed by said device by gravity into the said passage.

1,736,416. RECORDING DEVICE. JOHN F. OHMER, Dayton, Ohio, assignor to Ohmer Fare Register Company, Dayton, Ohio, a Corporation of New York. Filed Mar. 5, 1925. Serial No. 13,217. 8 Claims. (Cl. 235-30.)



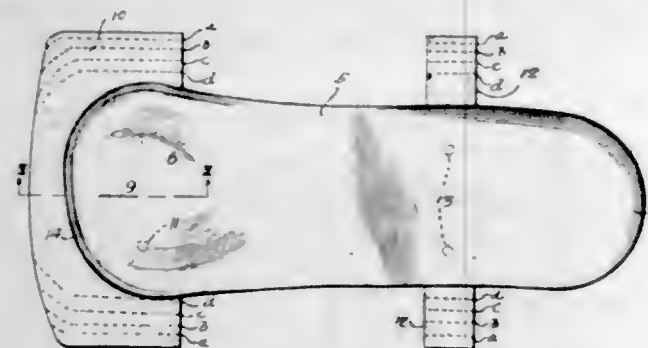
1. In a printing mechanism for a recording device having a visual counter and means for controlling the operation of said counter, a printing counter operatively connected with said visual counter for operation in unison therewith, a platen cooperating with said printing counter to take a record therefrom, means for supporting a record sheet between said printing counter and said platen, means to positively support said platen in spaced relation to said printing counter and to positively move the same into operative engagement with said record sheet, and an operative connection between the last mentioned means and said means for controlling the operation of said visual counter.

1,736,417. MOTOR-OPERATED VALVE UNIT. CHARLES A. OLSON and CLINTON H. BECKWITH, Geneva, Ill., assignors to Crane Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 14, 1927. Serial No. 232,994. 14 Claims. (Cl. 74-7.)



1. A motor mounting device for motor operated valves comprising a plate having a portion adapted to extend across the top of the valve yoke and to be swung around thereon about the valve stem to a plurality of radial positions with respect to the yoke and having a portion depending therefrom adapted to have a motor secured thereto, and means for securing said plate to said yoke in any one of said radial positions.

1,736,418. ARCH SUPPORT. WILLIAM M. SCHOLL, Chicago, Ill. Filed Feb. 15, 1926. Serial No. 88,184. 2 Claims. (Cl. 36-71.)

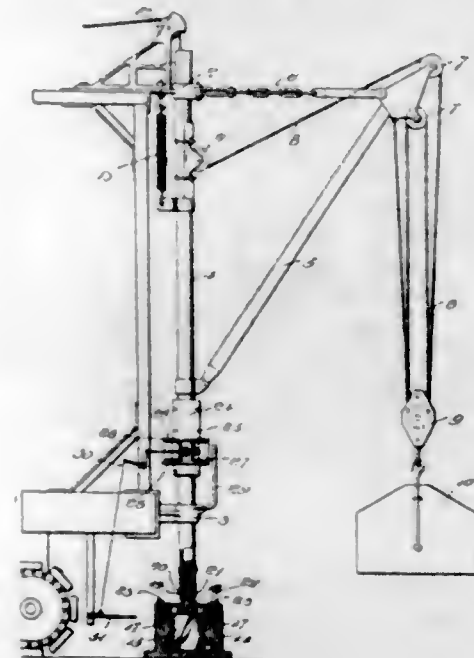


1. An arch support comprising a metallic plate having a spoon-shaped portion at its rear end to provide a seat for the heel of the wearer, a centrally positioned curved protuberance formed in the forward portion of the plate to support the metatarsal bones of the foot, a laterally extending leather strip secured to the plate and positioned beneath it and near the rear end thereof, a second leather strip secured to the plate and positioned beneath it and extending beyond the plate on its lateral and forward edges, the said leather strips forming means to selectively position the central region of the curved protuberance of the plate, and to maintain the plate in spaced relation to the bottom and inner side surfaces of the shoe.

1,736,419. DERRICK. ARVEY SMITH, Winchester, Ill., assignor to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 30, 1925. Serial No. 27,095. Renewed Nov. 6, 1926. 11 Claims. (Cl. 212-50.)

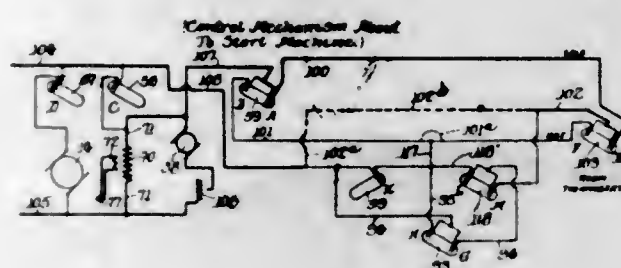
1. In a derrick of the type having a mast mounted for downward movement under load, and provided also with

means for raising said mast when free of load; a ground-engaging foot for the mast adapted to rest stationarily on the ground during downward movement of the mast, and



co-acting means embodied with the foot and mast for turning said mast with respect to said foot upon said downward movement of the mast.

1,736,420. OIL BURNER AND CONTROL THEREFOR. GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor, by mesne assignments, to Sundstrand Engineering Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,240. Renewed May 22, 1929. 15 Claims. (Cl. 158-28.)

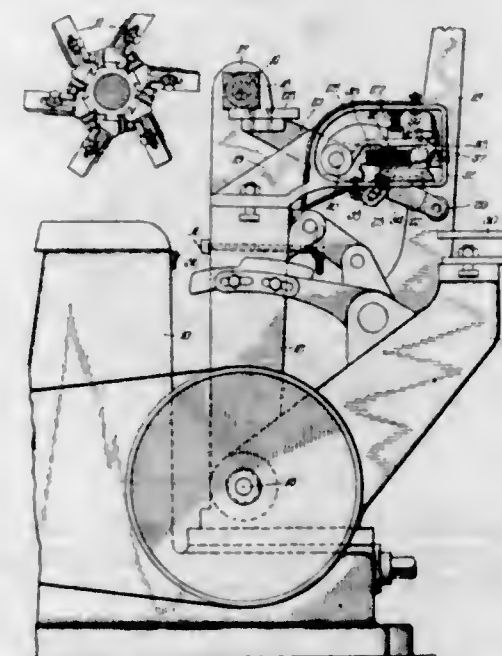


10. An automatic safety device for an oil burner comprising, in combination, a burner, fuel supplying means therefor, ignition means therefor, means for automatically starting and stopping said burner, including operation of said ignition means, an electric control system for said automatic means, a repeating device in said system adapted to repeat the starting operation in case of failure of combustion, a device to collect unconsumed oil, a two-point switch in said system associated with said device, said device on accumulation of a predetermined quantity of oil being adapted to operate said switch, one side of said switch being arranged to open the circuit of the electric control and the other side of said switch being arranged to close the stopping circuit of the electric control inside the break in said circuit, whereby to render said control system ineffective and to stop said fuel feeding means.

1,736,421. STEADY REST FOR AUTOMATIC LATHES. DAVID TUSCOTT, Beloit, Wis., assignor to Yates-American Machine Company, Beloit, Wis., a Corporation of Delaware. Filed June 23, 1928. Serial No. 287,853. 11 Claims. (Cl. 142-50.)

1. A steady rest for use with a lathe, comprising a movable member adapted to bear against the rotating

stock, means for supporting the said movable member while permitting the member to yield in a direction away from the



axis of the stock, and means for preventing the member from yielding when advanced toward the axis of the stock to a predetermined point.

1,736,422. METHOD OF FORMING CAN TOPS. MATTHEW J. WELLING, Chicago, Ill., assignor to O-Cedar Corp'n, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 31, 1927. Serial No. 179,829. Divided and this application filed July 11, 1927. Serial No. 204,768. 8 Claims. (Cl. 118-121.)



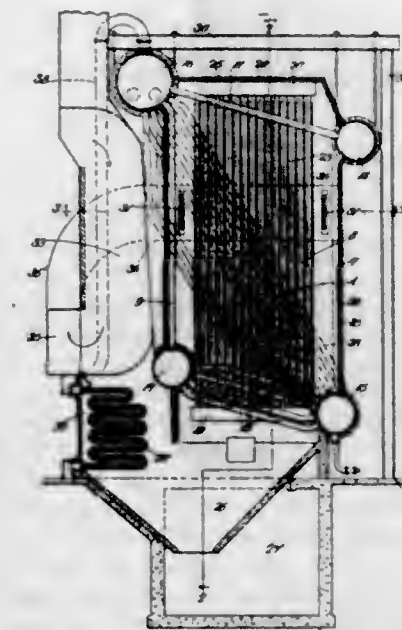
8. The method of making a can top and securing it to a can, which consists in forming a disk with a circular dished portion and a laterally extending flange, forming the flange into oppositely disposed grooved portions, applying a resilient ring member to the dished portion below the inner of said grooved portions, inserting said dished portion and ring member in the can with said ring member disposed between the dished portion and the wall of the can and with the upper edge of said can extending into the outer grooved portion, and seaming said grooved portion to the upper edge of the can to fasten the dished portion and ring member to the can.

1,736,423. STEAM GENERATOR. WILFRED ROTHERY Wood, London, England, assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 22, 1925. Serial No. 3,921, and in Great Britain Apr. 9, 1924. 5 Claims. (Cl. 122-285.)

1. A furnace-shaped boiler having six walls, one of which receives its circulating water from inclined water passages defining the bottom of the combustion chamber while the opposite wall receives its water from a drum or header at the lowest point of the boiler and discharges it through inclined tubes defining the top of the chamber.

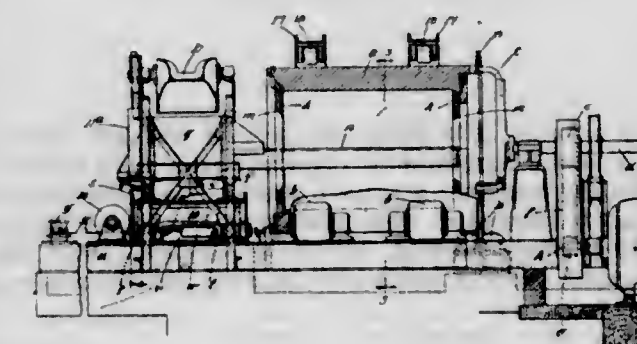
4. A stationary power boiler defining its own combustion space from an end of which the gases of combustion leave

and comprised of rows of tubes with appropriate drum and header means, the tubes of the boiler being so disposed that circulation is very rapid, means near the other end for introducing a fuel to be burned in space in said combustion space in a manner that the boiler is subjected to heat of convection as well as of radiation and that violent



combustion occurs, a metallic air preheater, means for subjecting the heater to waste gases of combustion, means for introducing the air to the combustion space, and heat absorbing means in advance of the heater and associated with the boiler for lowering the temperature of the gases leaving the combustion space to a point where rapid destruction of the air preheater does not occur.

1,736,424. CENTRIFUGAL CASTING OF HOLLOW BODIES OF METAL. JOHN CHAPMAN BELL, Sheffield, England, assignor, by mesne assignments, to Centrifugal Pipe Corporation, Wilmington, Del., a Corporation of Delaware. Filed July 7, 1925. Serial No. 41,970, and in Great Britain July 8, 1924. 15 Claims. (Cl. 22-65.)



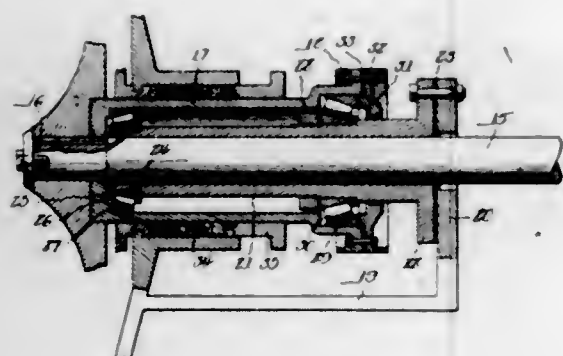
1. The improved process for the centrifugal casting of hollow bodies of metal which consists in depositing molten metal in a rotary mold in a plurality of jets delivered through nozzles leading from a tubular conduit while maintaining a constant reciprocatory movement between the mold and conduit and maintaining a constant pressure in the molten metal fed to the nozzle through the tubular conduit.

1,736,425. BOWLING PIN. HAROLD J. BLUM, Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 16, 1925. Serial No. 9,515. 3 Claims. (Cl. 273-82.)



1. A bowling pin having a hard body portion and a flexible neck portion said neck portion being made of a rubber composition and reinforced by fibre incorporated therein.

1,736,426. PUMP BEARING. JOSEPH E. BOND, Appleton, Wis., assignor to Hayton Pump & Blower Co. Appleton, Wis., a Corporation of Wisconsin. Filed Oct. 16, 1926. Serial No. 141,975. 4 Claims. (Cl. 103-103.)

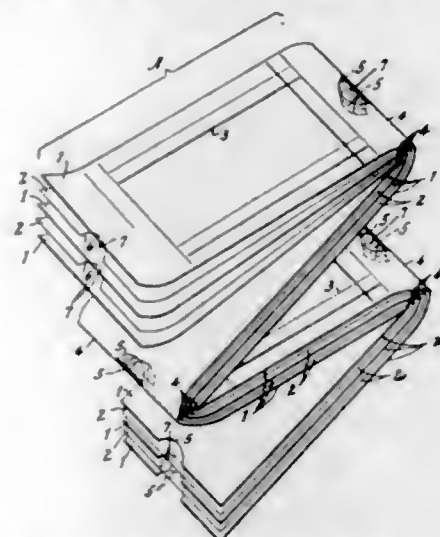


1. In a pump, a housing, an impeller and an impeller shaft, a sleeve surrounding the shaft and rigid with respect to the housing, a second sleeve rigid with the impeller and telescoped over said first mentioned sleeve, an anti-friction bearing interposed between the two sleeves, and packing interposed between the outer sleeve and housing.

1,736,427. CONSTRUCTION FACILITATING MULTIPLE CARBON SEPARATION AND CONTROL. EDWARD KIRBY BOTTLE, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Aug. 14, 1926. Serial No. 129,127. 13 Claims. (Cl. 282-12.)

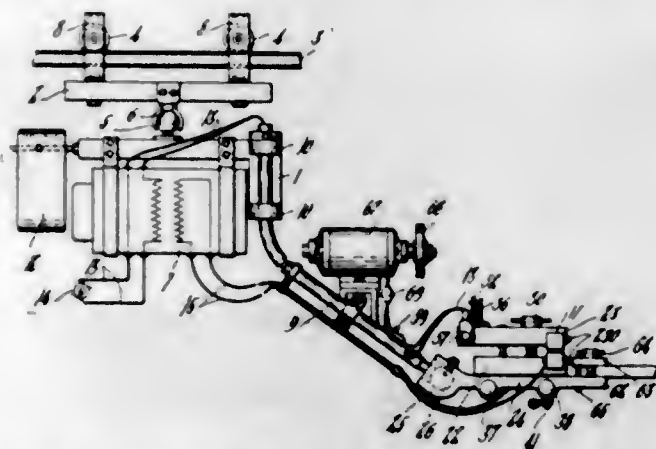
1. In combination, a pile of sheets of manifold paper in contiguous relation to each other, having a longitudinal series of pairs of closely adjacent sets of sheet-finger-openings and sheet finger-grips, the members of each pair being longitudinally disposed in relation to

each other, the finger-openings being in intercepting relation to the finger-grips depthwise of the pile, in the mem-



bers of each pair, the finger-openings in one member of each of said adjacent pairs being in sheets having finger-grips of the other adjacent member.

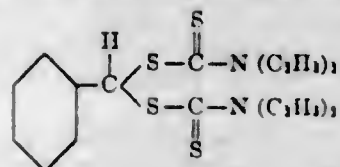
1,736,428. PORTABLE WELDING APPARATUS. HENRY E. BRYANT, Providence, R. I., assignor, by mesne assignments, to Anaconda Wire and Cable Company, a Corporation of Delaware. Filed Feb. 10, 1926. Serial No. 87,269. Renewed May 4, 1929. 16 Claims. (Cl. 219-4.)



1. The combination with an elevated track of a carriage suspended from the track, and a welding apparatus suspended from said carriage by a ball and socket joint, said apparatus including an arm and a vise mechanism carried by said arm, extending laterally far from the vertical through said joint and counterbalanced at the opposite side of such vertical.

1,736,429. PHENYL METHYLENE BIS DIETHYL DITHIOCARBAMATE AND PROCESS OF MAKING THE SAME. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Nov. 15, 1928. Serial No. 319,734. 3 Claims. (Cl. 260-106.)

1. As a new compound phenyl methylene bis diethyl dithiocarbamate corresponding to the formula



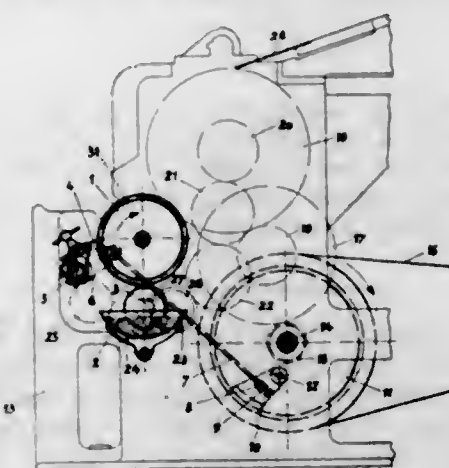
3. The method of making phenyl methylene bis diethyl dithiocarbamate which comprises treating a solution of a diethyl dithiocarbamate salt with benzal chloride, heating until the reaction is completed and separating and purifying the reaction product, phenyl methylene bis diethyl dithiocarbamate.

1,736,430. PENCIL. FRANK C. DELI, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 1, 1927. Serial No. 180,198. 4 Claims. (Cl. 179-90.)



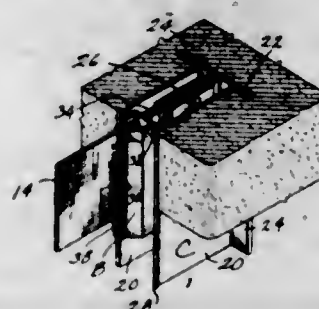
1. In a device of the class described, a substantially cylindrical body having an axial bore, a spherical portion at one end thereof constituting a head, a tube permanently secured to said head at one end thereof, and flared at its opposite end, a sleeve substantially the length of said tube adapted to fit over said tube and to be received within and frictionally engage the walls of the bore of said cylindrical body, to adapt the head to rotate freely on said tube within the bore.

1,736,431. MEANS FOR PREVENTING DAMAGE TO THE DOCTOR AND PRINTING CYLINDER OF COPPER-PLATE PRINTING MACHINES. CHRISTIAN DEXHEIMER, Leipzig, Germany, assignor to Leipziger Schnellpressenfabrik Akt.-Ges. Schmöllers, Werner & Stein, Leipzig, Germany, a Corporation of Germany. Filed Dec. 6, 1928. Serial No. 324,290, and in Germany Dec. 19, 1927. 8 Claims. (Cl. 101-157.)



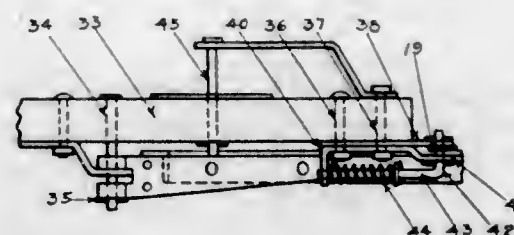
1. In a rotary printing machine employing rotary cylindrical engraved printing plates provided with inking devices and a doctor blade for removing excess ink from said plates, means for preventing injury to said plates and doctor blade which comprise a connection between said doctor blade and a locking device that prevents reverse movement of said machine.

1,736,432. PLASTER-CHANNEL INSTALLATION FOR SCREEN GUIDES. HARRY DIXSON, Pella, Iowa, assignor to Rolscreen Company, Pella, Iowa. Filed Jan. 16, 1928. Serial No. 247,172. 8 Claims. (Cl. 150-39.)



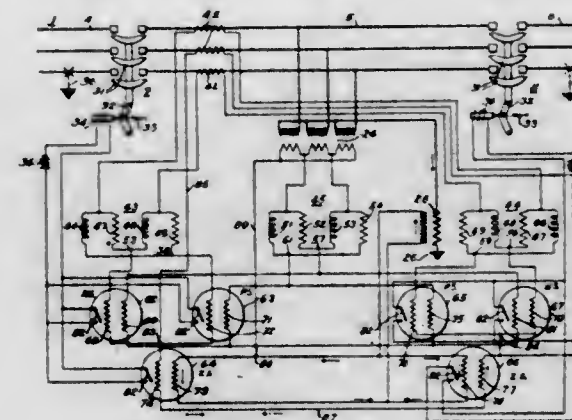
8. In combination with a screen guide for roll screens, a plaster channel installation for said guide comprising a channel member, a guide receiving flange mounted within said channel member, said guide having a portion to receive said flange.

1,736,433. TRAILER HITCH. DAVID I. FOGGER, Peru, Ill., assignor to Peru Plow & Wheel Co., Peru, Ill., a Corporation of Illinois. Filed May 2, 1927. Serial No. 188,150. 2 Claims. (Cl. 280-33.44.)



2. Tongue and hitch mechanism, including a framing member, bracing means therefor, mechanism permitting connection between the framing structure and the trailing vehicle, a notched cross member on the framing structure, a receiving member on the forward end of the hitch, a tongue, a bolt adapted to connect the tongue with the receiving portion of the hitch, and a spring tensioned lug attached to the rear end of the tongue and adapted to engage the notched cross bar and complete a positive connection between the tongue and hitch.

1,736,434. PHASE-SEQUENCE RELAY. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 31, 1924. Serial No. 729,244. 11 Claims. (Cl. 175-294.)

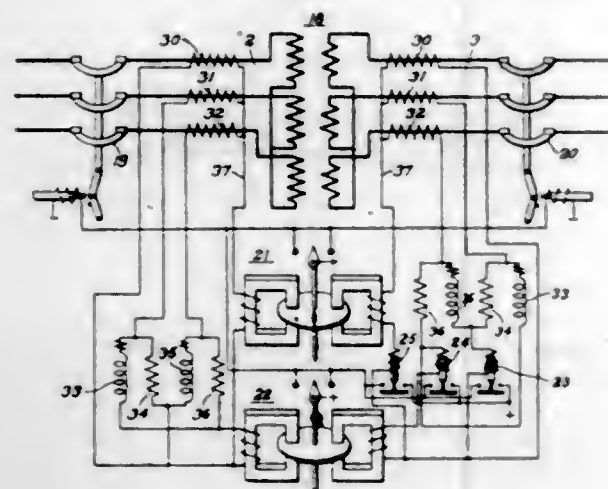


3. In a system of distribution containing several substations provided with busses to which incoming and outgoing distribution lines are connected through circuit-interrupters, and combination with the interrupters, of means associated with said busses for segregating phase components indicative of a faulty condition in the system and time-element directional relays connected to said means to be energized by said components to control the interrupters according to the location of the faulty condition.

1,736,435. PROTECTIVE SYSTEM FOR ELECTRICAL APPARATUS. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 26, 1925. Serial No. 58,816. 12 Claims. (Cl. 175-294.)

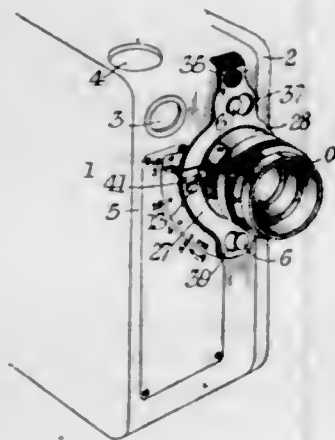
1. A differential protective system for a translating device having input and output circuits including means

connected to the input and the output circuits of said device for segregating the symmetrical phase-sequence



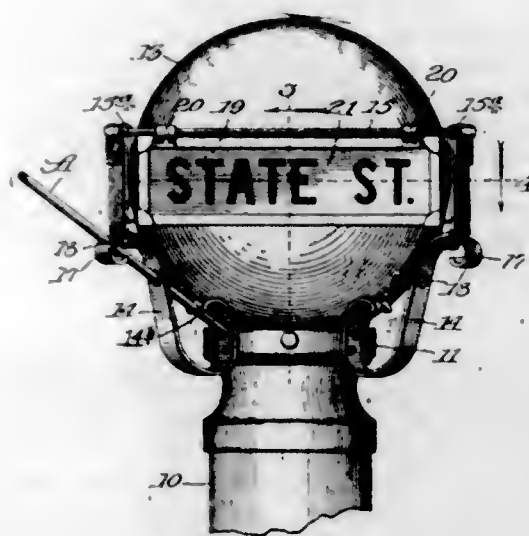
components of current in said circuits and means operated in accordance with the relative values of corresponding components in the respective circuits.

1,736,436. REMOVABLE OBJECTIVE MOUNT FOR PHOTOGRAPHIC CAMERAS. CARL C. FUERST, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 17, 1928. Serial No. 313,115. 8 Claims. (Cl. 95-53.)



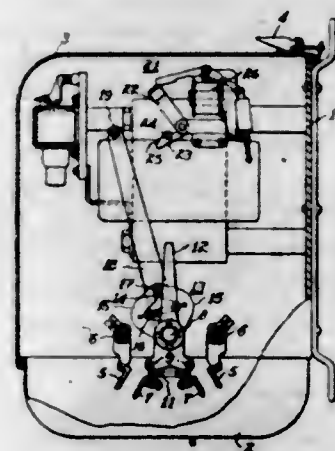
1. In a lens mount for photographic cameras, the combination with a support, a base plate, a bayonet latch for holding the base plate on the support including studs on the support, and a latch plate carried by the base plate, said latch plate being movable relative to the base plate, and a latch between the latch plate and base plate adapted to hold these parts together.

1,736,437. STREET SIGN. HELEN C. GATCHELL, Chicago, Ill., assignor to Visible Night-and-Day Street-Name Signs, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Sept. 22, 1927. Serial No. 221,295. 6 Claims. (Cl. 40-131.)



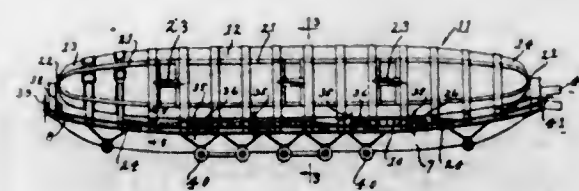
1. A street sign comprising, in combination, a light-permeable globe, a support therefor, a framework surrounding said globe and carried by said support, and a plurality of sign-carrying frames hingedly mounted on said framework, said frames being secured together at their lower ends.

1,736,438. TIME-DELAY LOW-VOLTAGE RELEASE. LEO C. FRANK, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 2, 1927. Serial No. 230,471. 15 Claims. (Cl. 200-109.)



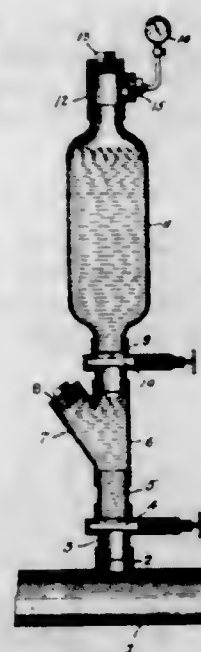
1. In combination, an electromagnet, an armature actuated thereby, means for biasing said armature in opposition to the attraction of said electromagnet, and means for retarding the actuation of said armature by said biasing means for a time interval after the deenergization of said electromagnet and for permitting the intermediate manual operation of said armature.

1,736,439. AIRSHIP. CLAUDE H. FREESE, Los Angeles, Calif., assignor of one-fourth to Margaret L. Harrington, Los Angeles, Calif., and one-fourth to Carl A. Lundberg, Long Beach, Calif. Filed May 17, 1928. Serial No. 109,466. Renewed Apr. 13, 1929. 5 Claims. (Cl. 244-5.)



1. An airship comprising a single hollow sectional gas-tight body constructed about and enclosing a longitudinally extending spine, standards positioned between adjacent sections of the body and having bearings for the spine and extending outside of the body, a hull connected with said standards, and propelling means mounted on the hull.

1,736,440. METHOD FOR CLEANING OIL-PIPE LINES. CLAUD R. HALL, Tulsa, Okla. Filed Sept. 23, 1926. Serial No. 137,371. 2 Claims. (Cl. 87-5.)

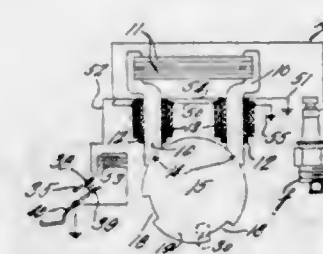


1. The method of cleaning oil well tubing, lead lines and transport pipe lines of accumulated paraffin, bitumen and the like, which comprises admixing caustic soda and aluminum in a closed receptacle, and forcing the resultant heated products into the pipe line by the pressure developed.

1,736,441. MAGNETO. IRA E. HENDRICKSON, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a Corporation of Massachusetts. Filed Aug. 31, 1928. Serial No. 303,303. 14 Claims. (Cl. 171-209.)

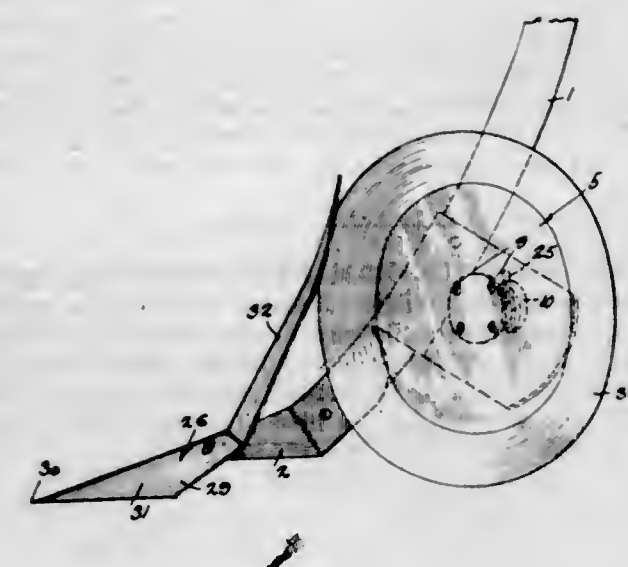
1. A magneto, comprising, a stationary unit having a source of magnetic flux, a pair of cores connected one to each polar extremity of said source, and primary and secondary windings on said cores; cooperating and relatively movable breaker points, a primary circuit including said primary winding and breaker points and arranged to be opened and closed by the separation or engagement of said

points, a rotary inductor movable in close proximity to the polar faces of said cores to maintain a normally closed magnetic circuit and arranged periodically to break such circuit substantially simultaneously at both polar faces, both said polar faces being located on the same side of the



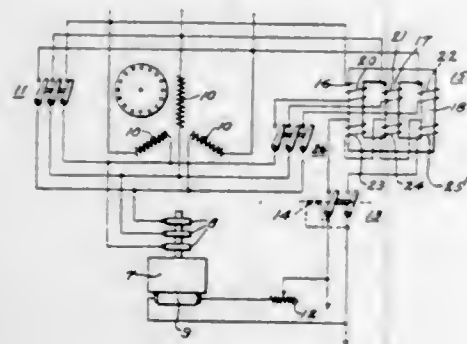
axis of revolution of said inductor, and means for separating said breaker points at substantially the same time that the magnetic circuit is broken at both said polar faces.

1,736,442. ADJUSTABLE REVOLVING MOLDBOARD. CHARLES HILL, Springfield, Colo. Filed Oct. 3, 1927. Serial No. 223,820. 1 Claim. (Cl. 97-112.)



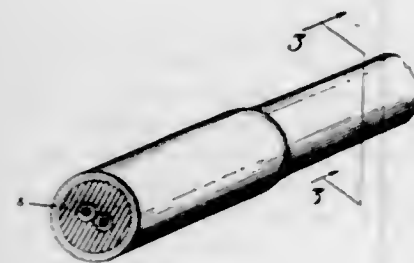
An adjustable revolving mold-board comprising a supporting member, a mold-board disk, a hub having a cylindrical body portion and a head, means securing the head to the disk, a bearing disk disposed against the face of the first mentioned disk, the head of the hub having a seat in its face which contacts the mold-board disk, the periphery of the bearing disk seating in said seat and the bearing disk having a central opening and a seat in its side which contacts the mold-board disk, a cylindrical member upon which the cylindrical body of the hub is rotatably mounted, the member having a head provided with a face at an angle to the axis of the member and disposed against the support, a bolt having its head seating in the seat in the bearing disk, the last mentioned member having an axial opening therein, the said bolt extending through said opening and through the supporting member, a nut threaded upon the bolt and bearing against the supporting member and maintaining the last mentioned member in positions of rotative adjustment upon the bolt, and anti-friction bearing elements arranged between the bearing disk and the inner end of the tubular body of said member.

1,736,443. MOTOR-CONTROL SYSTEM. EDWARD PERCY HILL, Manchester, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 27, 1925. Serial No. 39,934, and in Great Britain July 4, 1924. 3 Claims. (Cl. 171-123.)



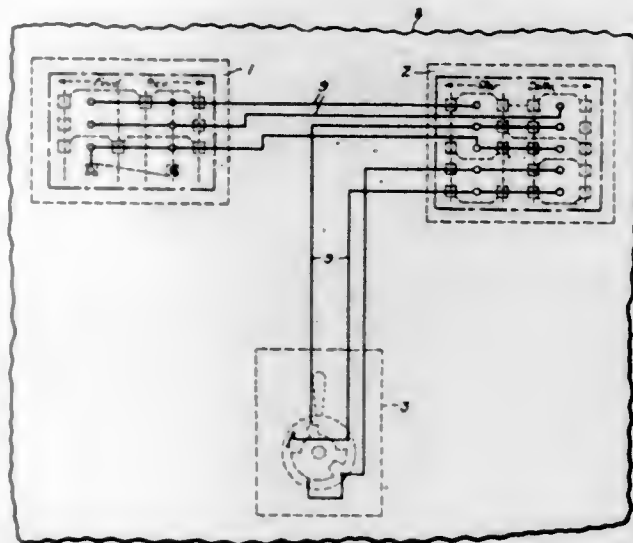
2. The combination with a rotary converter and starting means therefor comprising a polyphase motor, of means for connecting the respective phase windings of the converter and motor in series relation during the starting period, a reactance device having coils for connection respectively in shunt relation to the windings of said starting motor and having additional windings for modifying the effect of said shunt-connected windings, and means for connecting the windings to the direct-current side of said converter.

1,736,444. METHOD FOR MAKING INSULATED ELECTRICAL CONDUCTORS. THOMAS B. HUESTIS, Bristol, R. I., assignor to National India Rubber Company, Bristol, R. I., a Corporation of Rhode Island. Original application filed Aug. 5, 1924, Serial No. 730,139. Divided and this application filed Mar. 31, 1926. Serial No. 98,655. 2 Claims. (Cl. 173-264.)



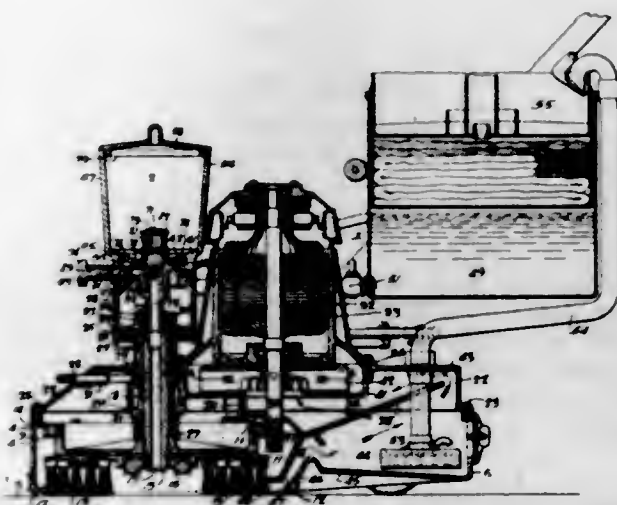
1. The method of forming a rubber insulated cable which comprises extruding rubber insulation about an assembly of conductors, extruding lead over the insulation, intermittently applying to successive portions of the cable a normal force simultaneously applied to all points in a circumference of the cable, and curing.

1,736,445. PROCESS OF MAKING TRACINGS. ROY L. JANNENGA and ROBERT C. LEMMERHART, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 20, 1927. Serial No. 227,450. 10 Claims. (Cl. 95-5.)



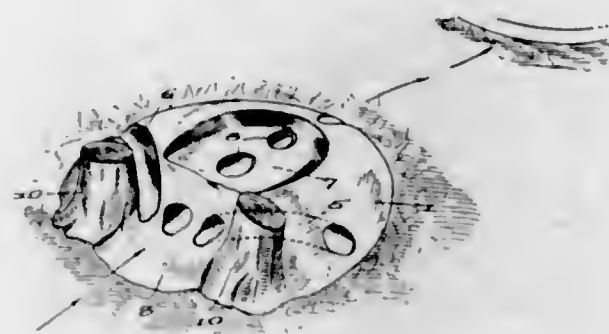
1. A tracing comprising a sheet of material having figures thereon and applicable members having symbolic figures thereon attached to a face of said sheet, the figures on the sheet being drawn so that they will connect the symbolic members.

1,736,446. FLOOR WAXING AND POLISHING MACHINE. WALTER L. KEEFER, Chambersburg, Pa., assignor to Walter G. Wolf, Chambersburg, Pa. Filed Apr. 7, 1925. Serial No. 21,395. 13 Claims. (Cl. 91-39.)



9. In a floor-polishing machine, means for scrubbing and polishing the floor, means for retaining a polishing medium, means interconnecting the said two first mentioned means, and means for pumping the polishing medium towards said last-mentioned means and for then forcing it through said interconnecting means into proximity with the polishing means.

1,736,447. GAME DEVICE. CHARLES ROY KINDT and PEYTON H. ENNIS, Sarasota, Fla. Filed Oct. 3, 1928. Serial No. 309,953. 4 Claims. (Cl. 273-35.)



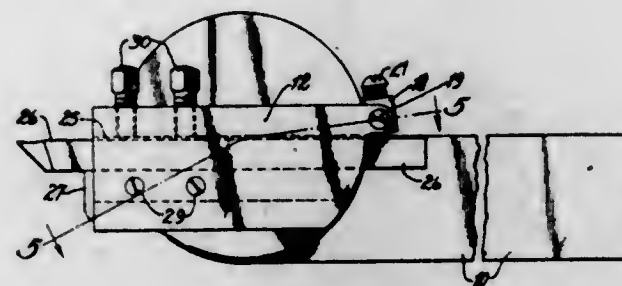
1. A putting hazard comprising a body having a supporting base, multiple conduits formed in and traversing said body having inlets arranged in substantially horizontal juxtaposition and outlets arranged in widely separated relation.

1,736,448. COMPOSITION OF MATTER AND PROCESS FOR DESTROYING NOXIOUS CREATURES. OTTO LIEBKNECHT, Berlin-Grunewald, Germany. Filed Jan. 8, 1927, Serial No. 159,998, and in Germany Jan. 19, 1925. 9 Claims. (Cl. 167-14.)

1. A method of fumigating which consists in treating the objects to be fumigated with the vapors of chromium compounds volatile at room temperature.

9. A method of fumigating which consists in treating the objects to be fumigated with the vapors produced by heating a solution of chromylchloride in carbon tetrachloride.

1,736,449. TOOL HOLDER. JOHN S. LIPP, Chicago, Ill. Filed Mar. 12, 1928. Serial No. 261,027. 3 Claims. (Cl. 29-99.)

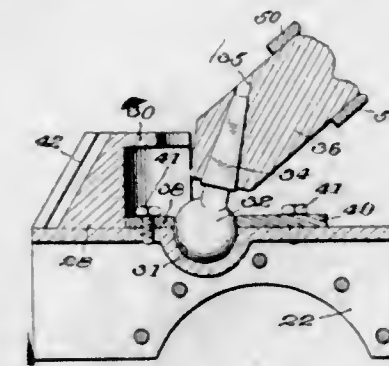


3. A machine tool comprising, a shank provided at one end with a housing, a tool-holding member mounted for rotary movement in said housing, said member including a plate provided with a shoulder having a bearing on said housing, and a second plate spaced from and demountably secured to said first mentioned plate and provided with a shoulder having a bearing on said housing, and yieldable connecting means between said housing and said tool-holding member.

1,736,450. TRACTOR TRAILER. CHARLES MERLE LUCK, Richmond, Va. Filed Apr. 26, 1927. Serial No. 186,715. 2 Claims. (Cl. 280-33.1.)

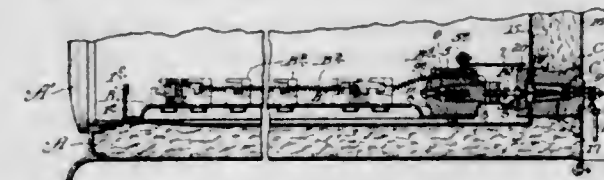
1. A connection between a tractor and a reach attached to a trailer comprising a socket member secured to the tractor, a flange in fixed relation to said socket member

and in front of and above said socket member, a ball member secured in said socket member for universal movement therein, and an extension on said ball member in



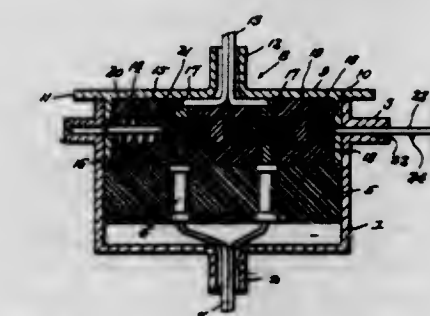
engagement with said reach, said flange being adapted to engage said reach to limit movement of said reach in a vertical plane with respect to said tractor.

1,736,451. ELECTRIC OVEN. ROBERT H. MACINNES, Chicago, Ill., assignor to Cribben & Sexton Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 29, 1927. Serial No. 216,140. 7 Claims. (Cl. 219-35.)



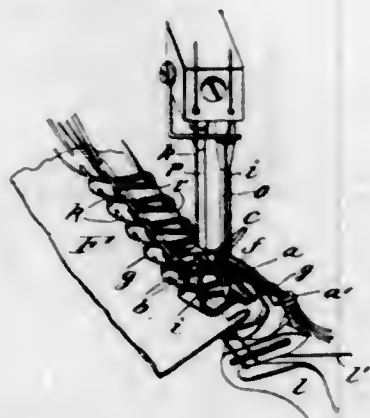
1. An electric heating element comprising a mounting plate, and supporting blocks provided with shanks removably and interlockingly connected with said mounting plate, each of said blocks having a head-portion provided with a pair of laterally open channels extending in one direction and equipped with retainer-lips and having an intersecting channel open at one side.

1,736,452. SAFETY SWITCH STRUCTURE. JAMES F. MACWILLIAMS, Cresson, Pa. Filed Mar. 21, 1928. Serial No. 263,457. 4 Claims. (Cl. 200-50.)



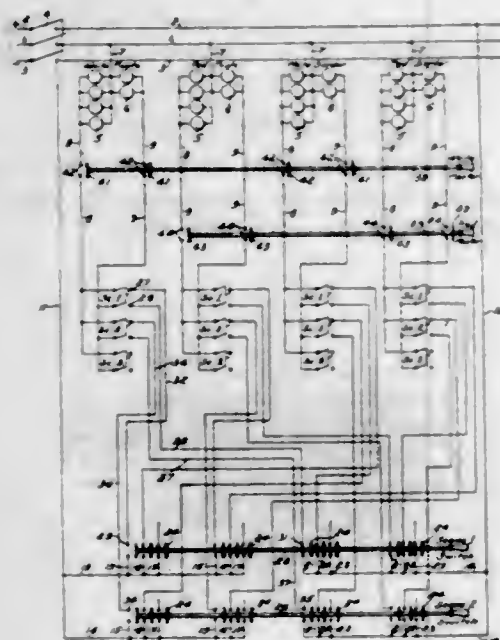
1. In a switch structure comprising, a housing open at one side, a cover for said housing, said cover being provided with a rectangular shaped flange at its inner side, said flange being adapted to snugly fit within the housing, a slidable contact member carried by said cover at its inner side, a member at one end of the slidable contact for interlocking the cover flange with the housing, tensional means for normally maintaining the contact member in opening position, and means for moving and locking the slidable contact in closed position.

1,736,453. HEMMED SEAM AND PROCESS OF PRODUCING THE SAME. KARL MAIER, Stuttgart, Germany, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Filed June 13, 1925, Serial No. 36,887, and in Germany June 18, 1924. 3 Claims. (Cl. 112-269.)



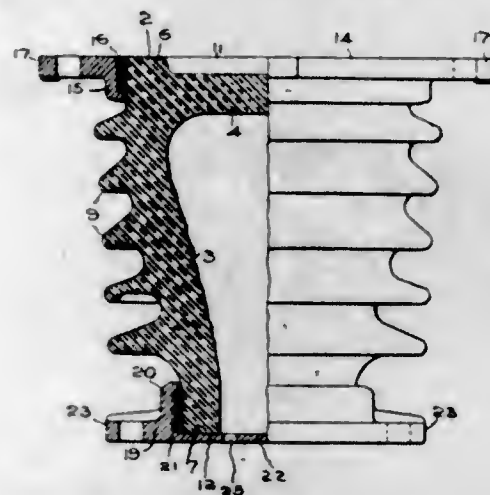
1. A hemmed seam comprising a fabric, two parallel rows of independent thread loops spaced from each other and spaced from the edge of the fabric, covering threads for the edge of the fabric including a series of nested thread loops which are locked by each penetrating thread loop in the row adjacent the edge of the fabric, and an independent covering thread loop nested about said covering thread loops and extending underneath the thread forming the outer row of thread loops and secured by the inner row of thread loops whereby said covering loops are anchored and firmly secured to the fabric.

1,736,454. THEATER-LIGHTING CONTROL APPARATUS. JAMES C. MASEK, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 10, 1927. Serial No. 197,826. 5 Claims. (Cl. 171-97.)



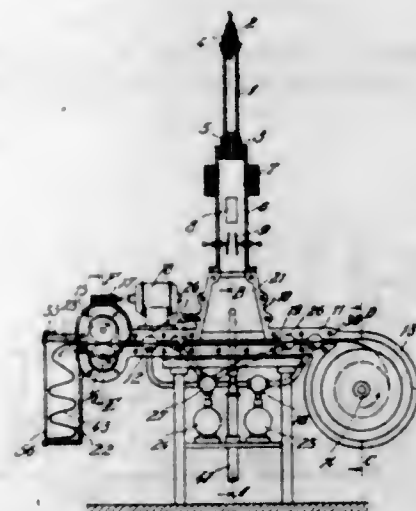
1. In a three-conductor distributing system having a neutral conductor and two feed conductors, a plurality of load circuits each having loads connected to the neutral conductor and to separate said feed conductors, a plurality of separately operable switches for controlling the circuits through the said separate conductors and a corresponding number of double-pole selector switches for each load circuit for selectively connecting the said separate conductors to a selected separately operable switch.

1,736,455. INSULATOR. JESSE E. MATHER, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1927. Serial No. 205,877. 3 Claims. (Cl. 173-318.)



3. An insulator comprising a hollow dielectric body of inverted substantially frustoconical shape having an inwardly offset wall closing its upper end, cylindrical ends and a plurality of downwardly-and-outwardly sloping annular side flanges of downwardly successively decreasing diameters and increasing extent from the body, an upper ring terminal having portions for mounting the insulator by turning the same, and a lower terminal having a cylindrical portion secured to said body, an apertured transverse end wall and laterally-extending conductor-mounting portions.

1,736,456. CATHODE-RAY OSCILLOGRAPH. ADOLF MATTHIAS, Berlin-Wilmersdorf, Germany. Filed Apr. 10, 1928, Serial No. 268,994, and in Germany Apr. 13, 1927. 19 Claims. (Cl. 234-1.5.)

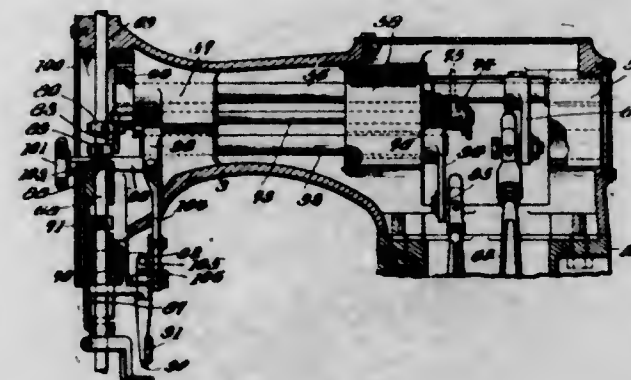


1. In a cathode ray oscillograph, in combination, a cathode tube, means for diverting the cathode rays, means for the evacuation of the tube, a base piece on the end of the tube and openings in said base piece adapted for the insertion and extraction of a body covered with a layer which is sensitive to light.

1,736,457. COMPOSITION OF MATTER FOR AND METHOD OF PURIFYING FUSED SALT BATHS. WILLIAM J. MERTEN, Pittsburgh, and CHARLES T. GAYLEY, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 10, 1925. Serial No. 61,773. 9 Claims. (Cl. 148-15.)

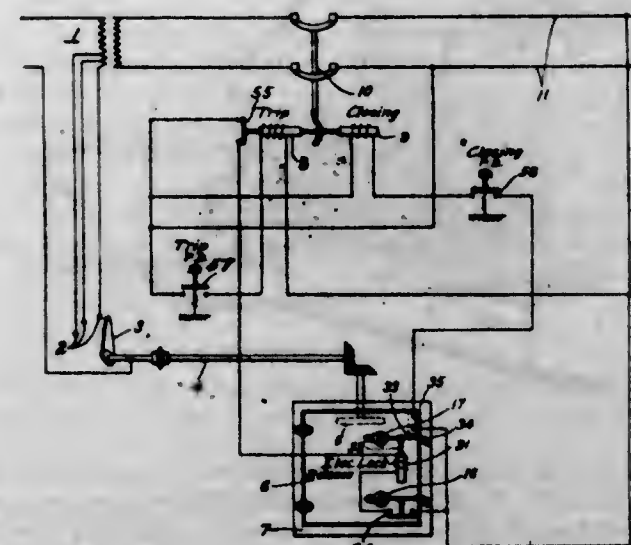
9. The method of removing impurities from a heat-treating bath of fusible inorganic salts which comprises fusing said salts and then adding to the fused bath a reactive mixture comprising an acid compound of boron.

1,736,458. SEWING MACHINE. JAMES R. MORFATT, Chicago, and RALPH S. KELSO, Rockford, Ill., assignors to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 4, 1926, Serial No. 113,714. Divided and this application filed Dec. 23, 1927. Serial No. 242,118. 8 Claims. (Cl. 112-63.)



1. A sewing machine including in combination, an overhanging arm, a hollow head at the outer end thereof, a needle bar mounted for reciprocation in said hollow head, a rock shaft located within and extending lengthwise of said overhanging arm and connected to said needle bar for reciprocating the same, a trimming mechanism supported by said overhanging arm and including a movable trimming blade, a second rock shaft located within and extending longitudinally of the overhanging arm and terminating in said hollow head, and means located within said hollow head and actuated by said second rock shaft for oscillating said movable trimming blade.

1,736,459. TAP-CHANGER MECHANISM. KIRK A. OPLINGER and LELAND H. HILL, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 19, 1926. Serial No. 149,309. 12 Claims. (Cl. 171-119.)

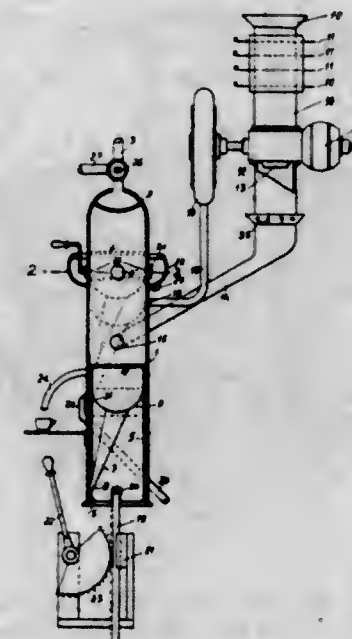


1. The combination with an electrical winding having a plurality of terminals, means for varying the electrical connections of the terminals, and actuating means for the first named means, of a casing for housing at least a portion of the actuating means, a closure member for the casing and means in electrical circuit with the winding for controlling the operation of the closure member.

1,736,460. COFFEE-MAKING APPARATUS. ENRICO PISTONI and LORENZO PISTONI, Milan, Italy. Filed July 20, 1928, Serial No. 294,186, and in Italy July 29, 1927. 4 Claims. (Cl. 53-3.)

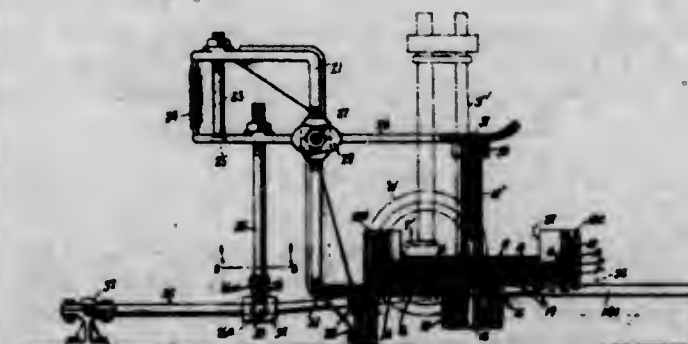
1. A coffee making apparatus comprising a cylindrical vessel having lateral inlet and outlet ports, an open-ended

cylinder fitted slidably and snugly in said vessel so as to act in its upper positions as a closure for the ports, means for shifting the cylinder up and down in the vessel, a strainer covering the upper end of the cylinder, a coffee mill communicating with the vessel through one of said ports so as to deliver the coffee powder on to said strainer when the cylinder is in the lower end position, a coffee



receptacle arranged in the cylinder under the strainer, a delivery spout connected to the vessel over one of the ports, a discharge pipe for the coffee receptacle opening at the side of the cylinder so as to be in communication with said spout in the upper end position of the cylinder, and means for admitting water through the top of the vessel.

1,736,461. DEVICE FOR SEWING POWDER PUFFS. LOUIS L. RAYNOR, New Rochelle, N. Y., assignor, by mesne assignments, to The Hygienol Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 17, 1927. Serial No. 213,558. 5 Claims. (Cl. 112-2.)

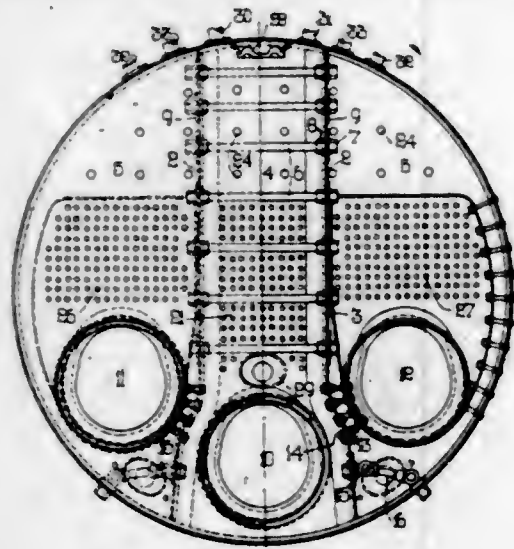


1. In combination with a sewing machine having a presser foot, an annular holding member having an open bottom, an adjustable mount adapted to hold the said annular member so that it can be adjusted towards and away from said presser foot, a turntable revolvably mounted in the open bottom of the said annular member, an upper member adapted to rest upon the top surface of a pair of discs of fabric resting upon the said turntable, said upper member having a rod projecting upwardly therefrom, and a releasable pressure member having a bearing in which the upper end of said rod is adapted to be turnably mounted, said pressure member being connected to said mount.

1,736,462. STEAM GENERATOR. MARK ROBINSON, Waterloo, near Liverpool, England. Filed Nov. 5, 1926. Serial No. 146,412. 6 Claims. (Cl. 122-37.)

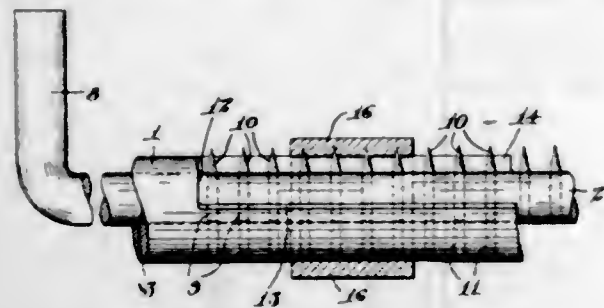
1. A steam-generator having a plurality of generator units capable of being independently worked, comprising a

common boiler shell formed as a horizontal cylindrical drum with closed ends; two vertical longitudinally-extending partitions in said drum, said partitions being of less length than the length of said drum; a transverse partition connecting said vertical partitions and separating the cen-



tral space within the partitions from the remaining space in the drum, so that said remaining space forms a U-shaped unit, and the central space the central unit; stay-bolts connecting and spacing said partitions; and heating means and feed-water supply means in each of said generator units.

1,736,463. GRIPPING MANDREL. WILLIAM M. RODGER, Wollaston, Mass., assignor to Margaret K. Forshee, Mattapan, Mass. Filed Feb. 25, 1926, Serial No. 90,843. Renewed Apr. 24, 1929. 17 Claims. (Cl. 242-72.)



1. A mandrel of the kind described, comprising a hollow shaft, a shaft mounted eccentrically in said first shaft, and penetrating gripping means on said eccentric shaft, said eccentric shaft being rotatable to move said penetrating gripping means into and out of operative position.

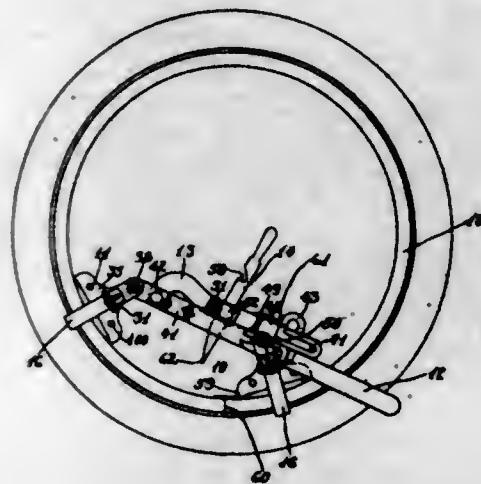
1,736,464. DEOXIDIZER. CLARENCE J. RODMAN and AYLMER H. MAUDE, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 20, 1923. Serial No. 652,668. 6 Claims. (Cl. 252-2.)

1. Means for obtaining inert atmospheres comprising an oxidizable salt capable of removing oxygen from an atmosphere containing the same and a bicarbonate of an alkali metal for preventing deterioration of said salt.

1,736,465. RIM CONTRACTING AND EXPANDING TOOL. FREDERICK M. ROSS, Cincinnati, Ohio. Filed Apr. 21, 1926. Serial No. 103,575. 6 Claims. (Cl. 157-1.)

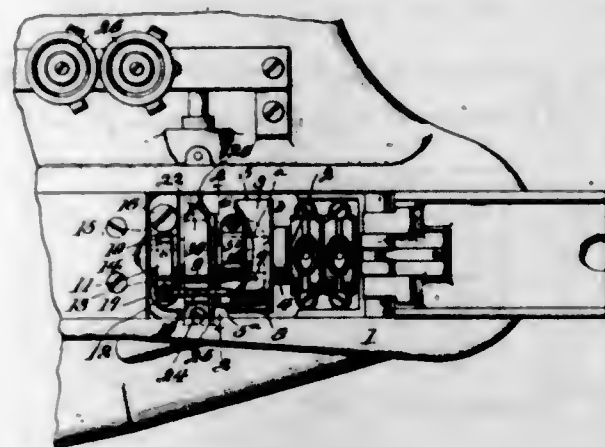
1. In a tool for expanding and contracting a split rim the combination of a pair of rim gripping members mount-

ed on the rim one on either side of the split, a lever mounted on one of the rim gripping members, a guide pivotally mounted on the second rim gripping member, a bolt extending through the second rim gripping member and guide and forming a pivotal mounting for the guide, a link pivotally and eccentrically mounted on the lever and slid-



able through the guide, the link having notches formed therein for engagement with the bolt whereby movement of the lever about its mounting tends to bring the rim gripping members toward one another thereby contracting the rim, and a breaking finger mounted on the link for splitting the rim.

1,736,466. THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES. CHARLES F. RUBEL, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed July 23, 1927. Serial No. 207,963. 6 Claims. (Cl. 112-248.)

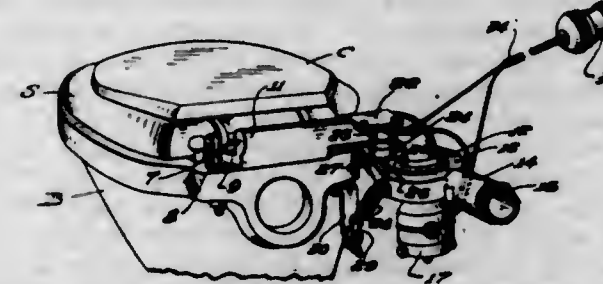


1. A thread controlling mechanism including in combination a rotatable shaft, a thread controlling member mounted on said shaft and having a laterally projecting thread engaging surface overhanging the shaft, thread guides located one within and the other without said overhanging portion, a support for said thread guides, means for pivotally mounting said support whereby said support may be moved away from the shaft for placing said thread guides in an accessible position for threading, and means for independently mounting said thread guides on said support whereby said thread guides may be adjusted radially of the shaft and longitudinally of the shaft.

1,736,467. SANITARY DEVICE FOR WATER-CLOSET BOWLS. BERTRAM SARRETT, Nashville, Tenn. Filed July 18, 1928. Serial No. 293,650. 2 Claims. (Cl. 4-213.)

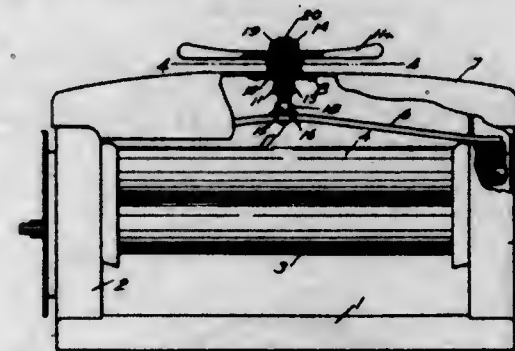
1. The combination with a water closet bowl, a seat, a hinging element for said seat, a foul air exhausting de-

vice secured in position by said hinging elements and comprising a nozzle having apertured lugs to engage the hinging element, a fan casing having an exhaust to the atmosphere carried by the nozzle, an electric motor for operating the fan, a switch supported by the nozzle, said switch being normally open, and in circuit with the motor,



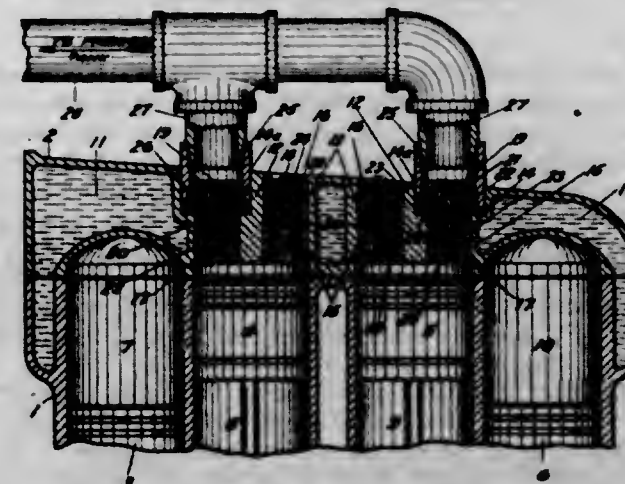
a lever also pivoted to the nozzle, an adjustable switch operating member carried by the lever, a spring for holding the same away from the switch, and means carried by the free end of the lever and in the path to be engaged by the seat when occupied to close the switch through the depressing of the lever at the free end.

1,736,468. WRINGER. ERNEST J. SCHUDA, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed Dec. 20, 1927. Serial No. 241,301. 3 Claims. (Cl. 68-32.)



1. In a wringer, the combination of a frame; rolls in the frame; a spring exerting pressure on the rolls; a top rail; a fitting on the top rail having an opening therethrough; a sleeve rotatably mounted in the opening, said sleeve being internally screw-threaded, said sleeve and fitting comprising means having a rotatable part releasable upon the rotation of the sleeve; a screw in the sleeve, said screw being threaded to the top of the screw and assembled in the sleeve from the bottom; and a connection between the screw and the spring.

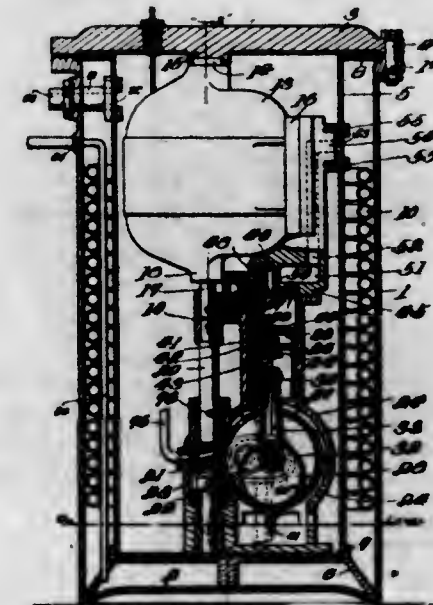
1,736,469. AIR COMPRESSOR. LEONFORD H. SWANSON, Moline, Ill. Filed May 18, 1927. Serial No. 192,191. 7 Claims. (Cl. 230-56.)



1. A cylinder head for converting an internal combustion engine into a motor driven pump, said head being out-

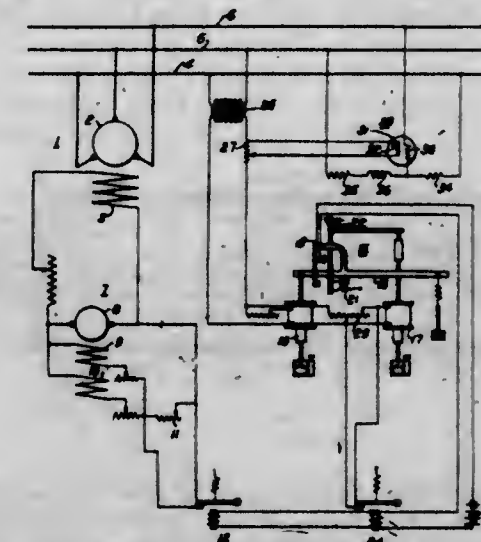
wardly similar to the usual head of the engine but having a flange on the face thereof adjacent the engine block to isolate the valve compartment for one of the cylinders from the piston compartment thereof, said head being provided with inlet and outlet valves cooperating with the said cylinder to enable it to function as a pump.

1,736,470. REFRIGERATING APPARATUS. LUCIEN L. TORREY, Los Angeles, Calif. Filed Oct. 11, 1924. Serial No. 743,072. 8 Claims. (Cl. 230-191.)



1. In a refrigerating apparatus, the combination of a tank to receive expanded gases, a motor in said tank, a compressor in said tank to suck the expanded gases from said tank and deliver it under increased pressure to the exterior of said tank, said compressor having a reciprocating piston with a hollow wrist pin, said tank being adapted to contain lubricating oil in its bottom, said motor and compressor being located above the level of the oil supply, an oil pump in said tank to draw oil therefrom, said motor driving said compressor and said pump, and a piping system connecting said pump and motor and the cavity of said wrist pin to supply lubricant to the bearings of the same, whereby only gases at low pressure come into contact with said lubricating oil and whereby splashing of oil in contact with the gases is avoided.

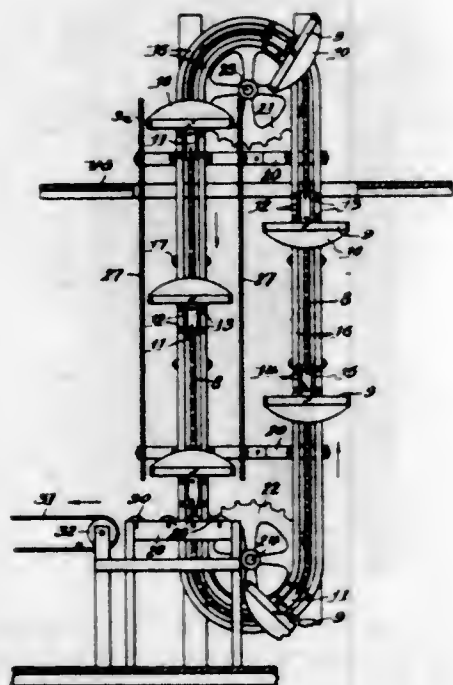
1,736,471. REGULATOR SYSTEM. CHARLES F. WAGNER, Pittsburgh, and ROBERT D. EVANS and SAMUEL B. GRISCOM, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 10, 1925. Serial No. 36,135. 12 Claims. (Cl. 171-119.)



1. In a regulator system, a power transmission circuit, a dynamo-electric machine connected thereto and pro-

vided with a field winding, a regulator for governing the excitation of said field winding in accordance with power-circuit conditions, and means responsive to an unbalanced condition of said power circuit for modifying the action of said regulator.

1,736,472. TRAY ELEVATOR. PETER C. WEGO, St. Paul, Minn. Filed Feb. 26, 1927. Serial No. 171,254. 8 Claims. (Cl. 198—154.)



1. In an elevator, the combination with sprocket wheels and an endless chain operable upon said wheels in a vertical plane, of a stationary guide having front and back surfaces extending in parallel relation to said chain and having arcuate portions adjacent to said wheels arranged substantially concentrically therewith, a carrier secured to said chain, means on said carrier revoluble about axes parallel to said surfaces and continuously engaging the front and back surfaces of said guide, driving means for said chain and a support for the material to be conveyed disposed on said carrier to project adjacent to the faces of said wheels at one side only of the elevator during the operation of said chain.

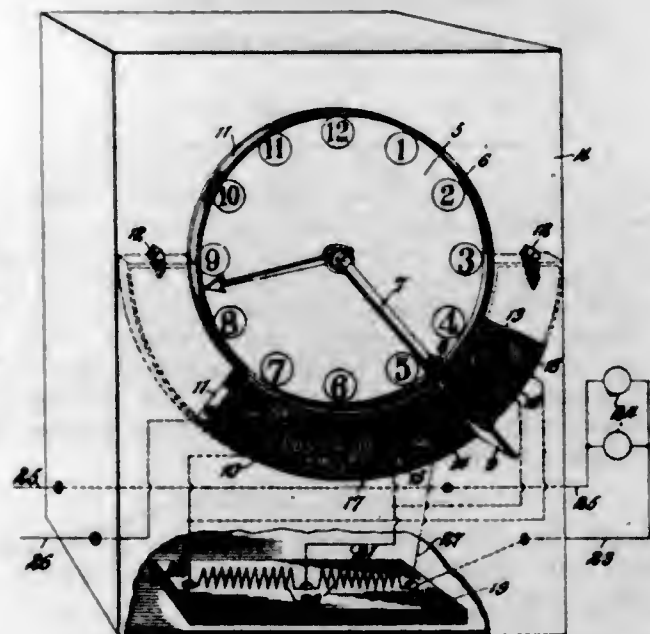
1,736,473. GAS RANGE. SAMUEL A. WILDE, Taunton, Mass., assignor to Glenwood Range Company, Taunton, Mass., a Corporation of Massachusetts. Filed Jan. 24, 1927. Serial No. 162,970. 4 Claims. (Cl. 126—39.)



4. In a gas range, exterior and interior walls forming a burner chamber and below it an air inlet chamber, said walls including a division wall between the two chambers with openings in said division wall, a collar fixed to and upstanding from the division wall around each opening in

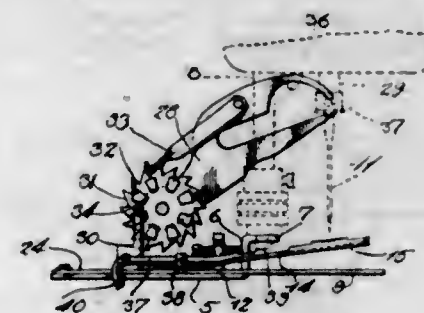
it, and an extension to each one of said collars fitting thereon, partitions separating the air inlet chamber into separate compartments one for each of the openings in said division wall by which secondary air introduced into said compartments may pass therefrom respectively upward through the openings in the division wall into the burner chamber, burners within the burner chamber corresponding in number with the openings in the division wall and comprising burner heads arranged in line with said openings whereby they may be supplied with secondary air passing through said openings from out of the air inlet chamber, each of said burners lying within an enclosure formed by a collar and extension to the collar around the opening in line with which the burner is arranged, supply pipes each leading to a burner by extension through the joint formed between the collar and its extension within which the burner is arranged, mixing chambers on the ends of the supply pipes, each mixing chamber having an opening in it for admission of primary air, one exterior wall of the range having in it openings, certain of the openings in said exterior wall leading into the respective compartments of the air inlet chamber by which secondary air may be introduced into said compartments, others of said openings in the exterior wall being adapted and arranged to receive the mixing chambers of the respective burners and permit of the introduction of primary air into said mixing chambers, and means for supplying gas to the mixing chambers of the respective burners including a gas control.

1,736,474. CONTROLLING DEVICE FOR ELECTRIC-LIGHTING SYSTEMS. PERCY LORN WILLIAMSON, Long Beach, Calif. Filed Jan. 14, 1927. Serial No. 161,160. 4 Claims. (Cl. 161—1.)



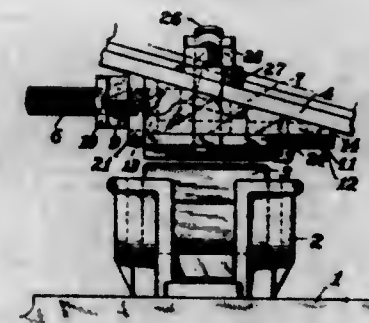
1. In a lighting system, the combination with a clock having a dial and an hour hand, a bank of electric lamps connected at one side to one side of the line, a main contact member connected to the other side of the line, a shorter intermediate contact member opposite to the intermediate portion of the main contact member, a pair of end contact members opposite to the end portions of the main contact member, the contact members being mounted on the clock outside the periphery of the dial, a resistance coil with one end directly connected to said end contact members and the other end directly connected to said intermediate contact member and to the other side of the bank of lights, and a brush carried by the hour hand and operable first to bridge the main contact member and one of the end members, later to bridge the main contact member and the intermediate member, still later to bridge the main contact member and the other end member, and finally to cut off the current altogether.

1,736,475. BUTTON-SEWING ATTACHMENT. JAMES R. WILSON, Greenville, Tenn., assignor of one-half to H. R. Meade and one-fourth to A. M. Cox, Greenville, Tenn. Filed Nov. 18, 1927. Serial No. 234,181. 7 Claims. (Cl. 112—115.)



3. In a button sewing attachment for sewing machines, a base plate adapted for attachment to a presser-foot bar, a button clamp carried by said base plate and normally tensioned to spring upwardly, means to vibrate said button clamp including an operating member adapted for operative connection to the needle bar of the sewing machine, and means to automatically depress the button clamp upon lowering of the presser-foot bar to sewing position.

1,736,476. SIDE BEARING. WILLIAM E. WINE, Toledo, Ohio. Filed Mar. 8, 1927. Serial No. 178,735. 9 Claims. (Cl. 308—226.)

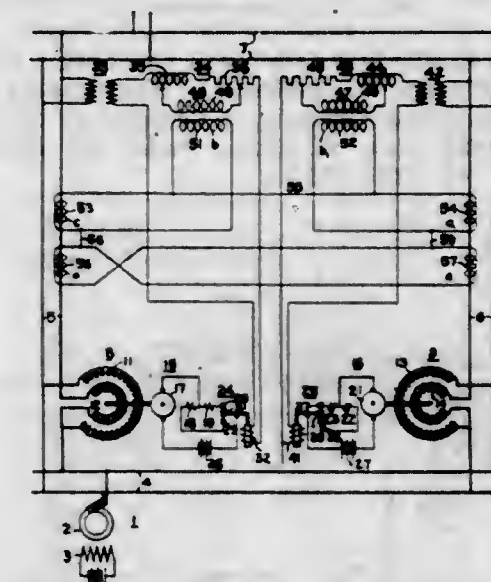


1. A side bearing comprising a body bearing adapted to be secured to a body bolster, a wear plate having off-set ends and bolts for clamping the wear plate at its ends to the body bolster, rolls secured to said body bolster and extending at an acute angular relation therefrom, a wedge shape member extending transversely between the body bolster and the wear plate, said wedge shape member capable of being moved inwardly and outwardly of said tangential bolts to thereby vertically adjust the said wear plate.

1,736,477. REGULATOR SYSTEM. EDWARD R. WOLFE, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 17, 1928. Serial No. 254,984. 6 Claims. (Cl. 171—119.)

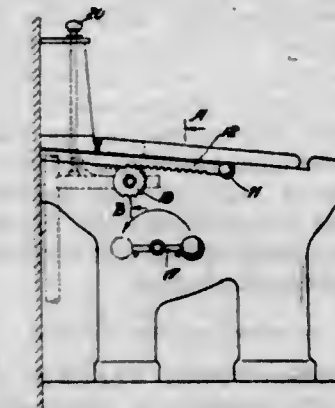
1. In an electrical system, a distribution circuit, a source of alternating current, a plurality of feeder circuits connecting said distribution circuit and said source, a voltage-regulating means connected in each of said feeder circuits, a voltage-responsive means associated with each regulating means and adapted to control the operation thereof, a compensating means connected in circuit with

the voltage-responsive means for modifying the action of said voltage-responsive means and provided with a single energizing circuit, means for energizing said circuit to influence said compensating means to compensate the volt-



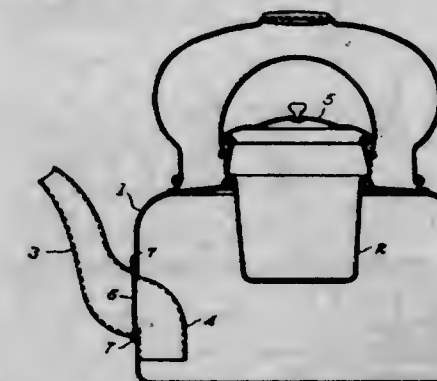
age-responsive means for line drop in voltage in the associated feeder circuit, and means for energizing said circuit to influence said compensating means to compensate for a circulating current between the feeder circuits.

1,736,478. SANITARY CLOSET. EMIL BAST, Berlin, Germany. Filed May 22, 1928. Serial No. 279,798, and in Germany Mar. 31, 1928. 5 Claims. (Cl. 4—120.)



1. In a sanitary closet, a pan, a transverse upright partition in and dividing said pan into a front and a rear basin, a cover closing said rear basin, and means guiding said cover to slide above said rear basin in the longitudinal direction of the closet.

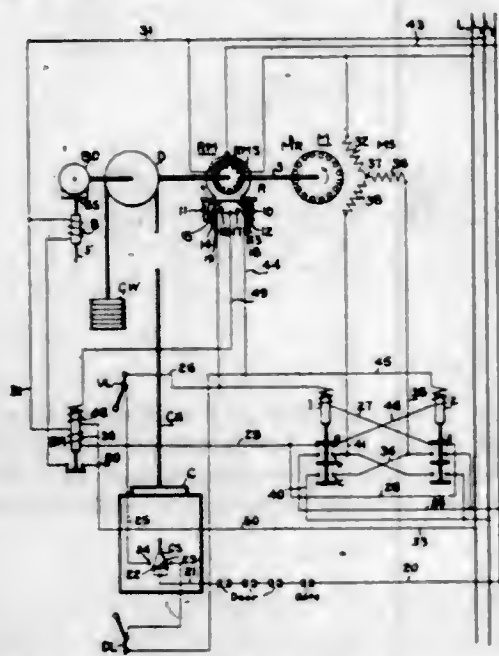
1,736,479. COOKING VESSEL. INGVAR B. BJORNSON, New Kensington, Pa., assignor to The Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 10, 1928. Serial No. 298,801. 2 Claims. (Cl. 53—9.)



1. The combination with a vessel having a spout opening in one wall thereof, of a spout member disposed interiorly

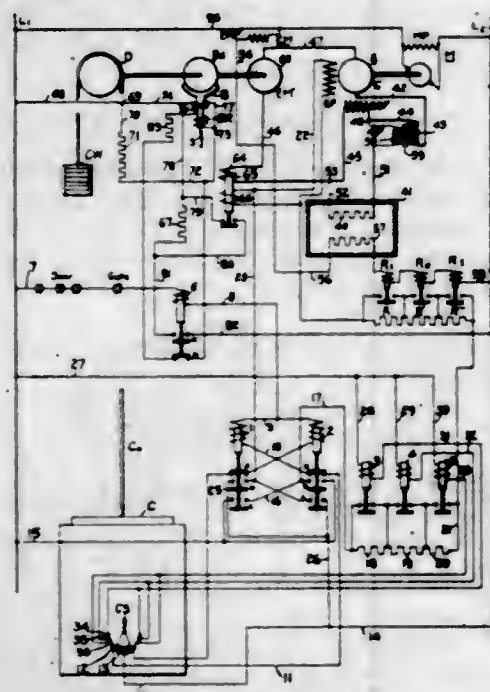
of the vessel but having an end extending outwardly through the opening, a flange on said end, and a spout member disposed against the said flange and welded to the vessel.

1,736,480. ELEVATOR-CONTROL SYSTEM. EDGAR M. BOUTON, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 17, 1927. Serial No. 233,880. 5 Claims. (Cl. 172-152.)



1. In an elevator-control system, a motor, a source of alternating current therefor, means for connecting said motor to said source to operate said motor, and means for reversing the connections of said motor to said source to produce an electrical braking effect, said means comprising a magnetic element rotated by said motor, a co-operating magnetic element having limited movement under the influence of said rotating element, and circuit-controlling means for reversing the connections of said motor, said means being operable in response to the movements of said influenced element.

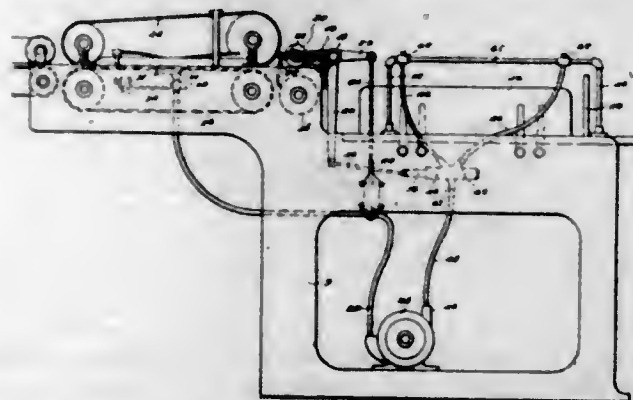
1,736,481. MOTOR-CONTROL SYSTEM. EDGAR M. BOUTON, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 17, 1927. Serial No. 233,881. 7 Claims. (Cl. 172-152.)



1. In a control system, a motor, a compound-wound generator for actuating said motor, and means for vary-

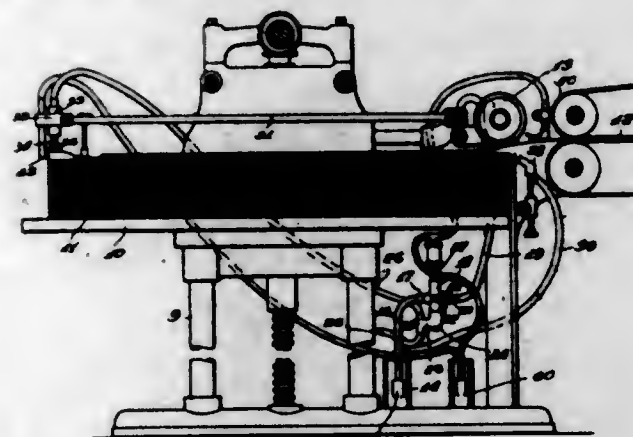
ing the compounding of said generator in correspondence with variations of the temperature of said motor and generator.

1,736,482. SHEET RETARDING AND PILING MECHANISM. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Aug. 3, 1927. Serial No. 210,377. 15 Claims. (Cl. 271-86.)



1. In apparatus of the character set forth, the combination with a receiver for sheets, of means for delivering sheets successively to the receiver, and means controlled by the sheets for retarding their speed of delivery to the receiver.

1,736,483. SHEET-FEEDING MECHANISM. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Aug. 19, 1927. Serial No. 214,037. 9 Claims. (Cl. 271-27.)



1. In apparatus of the character set forth, the combination with a support for sheets to be fed, of means for feeding sheets from the support, a sheet-lifting device, and means controlled by the sheets fed for effecting the operation of the sheet-lifting device.

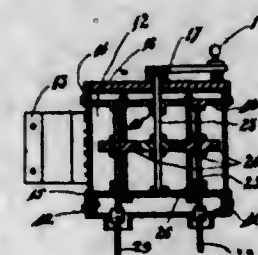
1,736,484. CONVEYER AND GUIDE. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Sept. 21, 1927. Serial No. 220,994. 3 Claims. (Cl. 271-49.)



1. In a structure of the character set forth, the combination with a guide for the sheets, of spaced conveyer tapes operating longitudinally of the guide, one of said tapes being located directly adjacent to said guide, a sheet

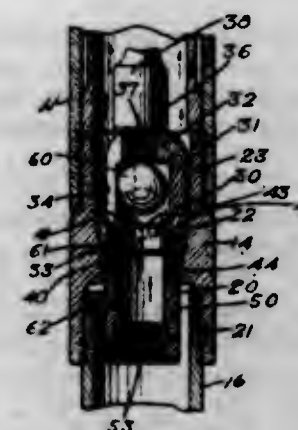
engaging roller located between the tapes and having its axis of rotation at an inclination to the guide, a ball holder mounted on the guide and overhanging the adjacent tape and the space between the tapes, and a ball in the holder resting on the sheets over the roller and between the tapes.

1,736,485. DIRECTION-SIGNALING DEVICE FOR VEHICLES. CORNELIUS CAMPBELL, Edmonton, Alberta, Canada. Filed July 14, 1928. Serial No. 292,795. 2 Claims. (Cl. 74-39.)



2. In a control for automobile signaling devices, a box having a removable top cover and resilient clamps adapted for fastening to the driving post of an automobile, a pair of spaced plates removably carried by said box, a pair of shafts journaled in said spaced plates and each having a gear rigid therewith, a third shaft also journaled in said spaced plates and having a gear rigid therewith meshing with said first-mentioned gears, said first-mentioned shafts extending through said box and being adapted for connection with flexible transmission means, an index plate secured to said top cover of said box, an index handle rigidly secured to said third shaft adjacent said index plate and co-operating therewith, and a detent device on said handle co-acting with said index plate and releasably locking said third shaft in predetermined positions.

1,736,486. STANDING-VALVE CONSTRUCTION. EARL J. CARNAHAN, Santa Fe Springs, Calif., assignor of one-half to Willard L. Borough, Los Angeles, Calif. Filed July 28, 1927. Serial No. 208,005. 5 Claims. (Cl. 103-229.)

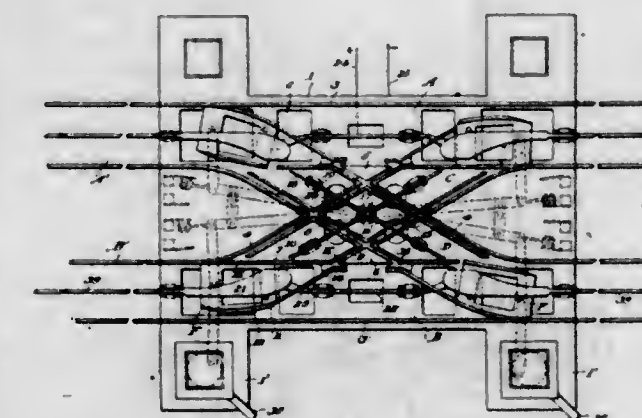


2. In a deep well pump, a standing valve structure comprising: a collar having a tapered seat; a cage member having a tapered surface adapted to meet a surface of said seat to form a tight fit between said member and said collar; a valve seat ring carried by said cage member; a valve member adapted to seat on said valve seat ring; and means for detachably connecting said valve seat ring to said cage member.

1,736,487. TOY RAILROAD TRACK. JOHN COOPER, Evanston, Ill. Filed Mar. 7, 1927. Serial No. 173,481. 10 Claims. (Cl. 191-29.)

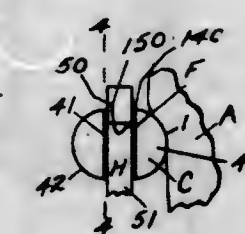
1. A switch system for a double track railroad for electric trains comprising a support, a pair of main tracks

thereon, a pair of cross tracks thereon, the rails of all the tracks being stationary, four switch members pivoted to the support between the rails of the main tracks, means for shifting the members to permit trains to pass over the main tracks or to pass from one track to the other in either direction and means operated by the movement of



the switch members for deenergizing sections of the third rails to prevent other trains from passing over the switch system when a train is to take a cross track and for electrically connecting a third rail section of one track at one end of the switch with a third rail section of the track at the opposite end of the switch, so that the train can pass from one track to the other.

1,736,488. FILLING-CUTTING DEVICE FOR SHIFTING-SHUTTLE-BOX LOOMS. FRANCOIS COTE, Dracut, Mass. Filed Jan. 11, 1929. Serial No. 331,858. 7 Claims. (Cl. 139-302.)

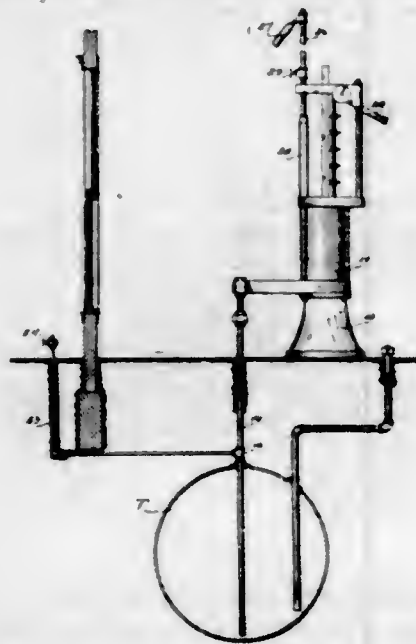


4. In a shifting shuttle box loom having a breast beam and a lay beam; the combination with a temple stand fixed to the box side of the breast beam, a shank slidable therein, a spiked temple roller revolvably carried and a temple head carried by the shank, a returning spring for the temple shank and a heel fixed to the shank in position to engage the lay beam on the up beat; of a selvage guard attached to the temple head proximate the selvage end of the temple roller; a temple head cutting member fixed to the temple head outside the selvage guard; a temple stand cutting member in cutting relation with the temple head cutting member; and a spring operable thread holding device to hold the thread between the selvage and a dead shuttle in the box.

1,736,489. DISPENSING DEVICE WITH SAFETY LOCK. JAMES B. CRAVEY and PAUL R. PIERSON, Montgomery, Ala. Filed Nov. 22, 1928. Serial No. 321,128. 4 Claims. (Cl. 221-99.)

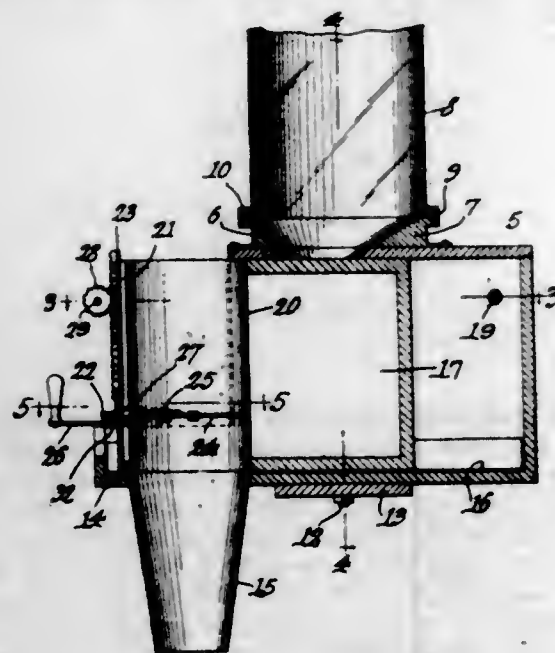
1. In a device for dispensing liquids, the combination of an underground storage tank, a pump having a delivery pipe and having a suction pipe leading from said tank, a branch pipe concealed from view and connected to said suction pipe at a point concealed from view, said branch pipe being large enough to admit sufficient air to the suction pipe to destroy the suction therein, said branch pipe having an air inlet valve at a point within an inclosure

remote from said pump, such branch pipe being wholly independent of the delivery pipe and being in addition to all pipes through which liquid flows during the entire



operation of the device, and the said air inlet valve being operable wholly independently of all other parts of said dispensing device.

1,736,490. MEASURING DEVICE. HENRY HUNTER CRAWFORD, Little Rock, Ark. Filed Jan. 31, 1929. Serial No. 336,595. 5 Claims. (Cl. 221-105.)

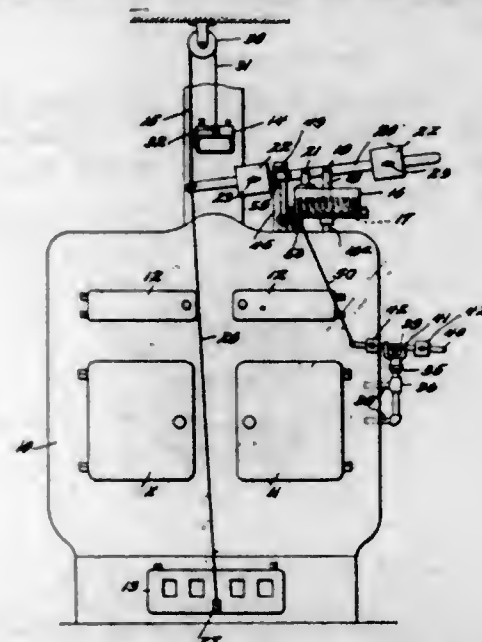


1. A measuring device including a body portion, a movable member in the body portion, a cylindrical measuring member in the movable member and adapted to receive material to be measured, a vertically movable bottom in the measuring member, a rack bar connected with the bottom, a pinion in mesh with the rack bar, means for rotating the pinion to raise and lower the bottom, and means for rotating the bottom to discharge material from the cylindrical measuring member.

1,736,491. AUTOMATIC CONTROL DEVICE FOR HEAT-TRANSFER SYSTEMS. VERNON G. EISEL, Baltimore, Md. Filed Dec. 29, 1927. Serial No. 243,440. 14 Claims. (Cl. 236-1.)

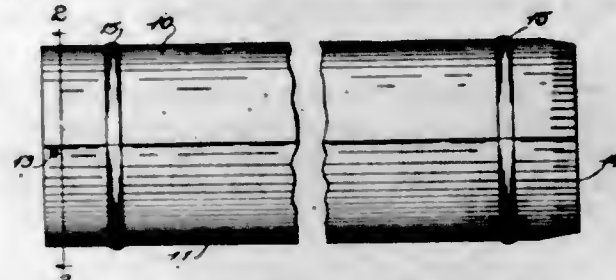
1. In combination with a heat transfer system, means for supplying to said system a medium operable to gradually change the condition prevailing in said system, an

automatic control mechanism for regulating said supply means, comprising means for turning on and cutting off said supply of medium, a control device responsive to one predetermined extreme condition of a range of conditions



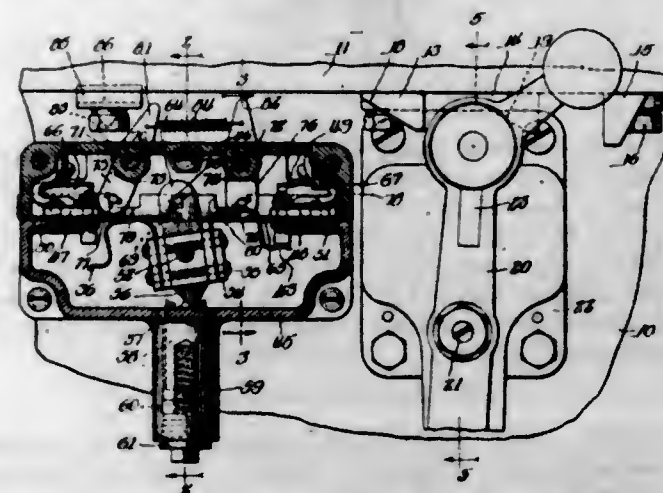
in said system for actuating said means to cut off said supply, means for preventing actuation of said first named means to turn on said supply, and a second control device responsive to the other extreme condition of said range for releasing said preventing means.

1,736,492. STOVE PIPE. HERBERT EMBREE, Hamilton, Ontario, Canada. Filed Jan. 12, 1929. Serial No. 332,097. 4 Claims. (Cl. 126-309.)



1. A stove and furnace pipe joint consisting of two co-operating substantially semi-circular trough like sections having interfitting longitudinal edges, said sections being hinged together adjacent their longitudinal edges.

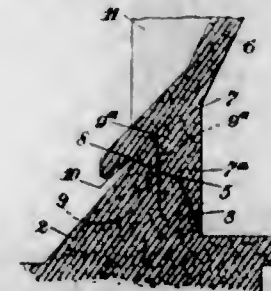
1,736,493. SWITCH. KEITH F. GALLIMORE, Fond du Lac, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1926. Serial No. 81,970. Renewed Sept. 13, 1929. 8 Claims. (Cl. 200-6.)



1. A switch having, in combination, a casing, two sets of fixed contacts mounted said casing, a pivotal member

supported between said sets of contacts, independent contacts mounted on said member for respective and selective engagement with said sets of fixed contacts, a shaft slidably mounted in said casing and pivotally connected to said member, two actuating members pivotally mounted in said casing and projecting therefrom, each of said actuating members having a lost motion connection with said shaft, and a spring connecting the projecting ends of said actuating members and tending to take up the lost motion between each actuating member and said shaft in one direction.

1,736,494. REINFORCED-CONCRETE AND LIKE BUILDING. ALBERT GODENIR, London, England. Filed Mar. 18, 1929. Serial No. 347,930. and in Great Britain Mar. 12, 1928. 2 Claims. (Cl. 72-1.)



1. A concrete building including an arch-like combined wall and roof structure, continuous reinforcing ribs extending transversely of said structure, said arch-like structure having enlarged roots with longitudinal channels in the faces thereof, a foundation including opposing buttresses having tapering sides and top portions inclined to the horizontal inserted within said channels and having a portion of each buttress connected with the adjacent root.

1,736,495. METHOD OF FORMING HARDWARE. GEORGE GRAFF, Toledo, Ohio, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio, a Corporation of Ohio. Filed May 10, 1926. Serial No. 108,179. 2 Claims. (Cl. 79-148.)



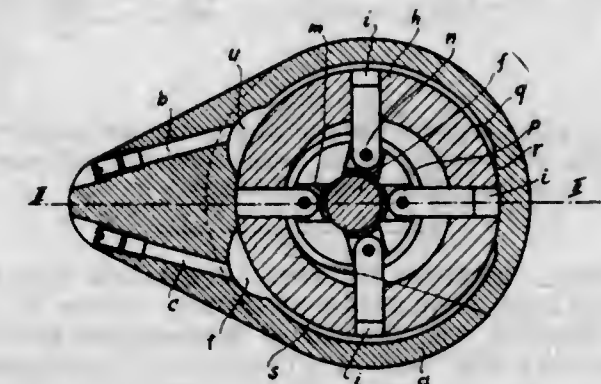
1. The method of forming a hardware article which includes die casting a blank, machining and polishing the outer surface of the blank to remove all blemishes therefrom, forming lines of ornamentation upon a portion of the polished surface of the blank and finally buffing the blank.

1,736,496. LAMP. GEORGE GRAFF, Toledo, Ohio, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1927. Serial No. 164,942. 3 Claims. (Cl. 240-7.1.)



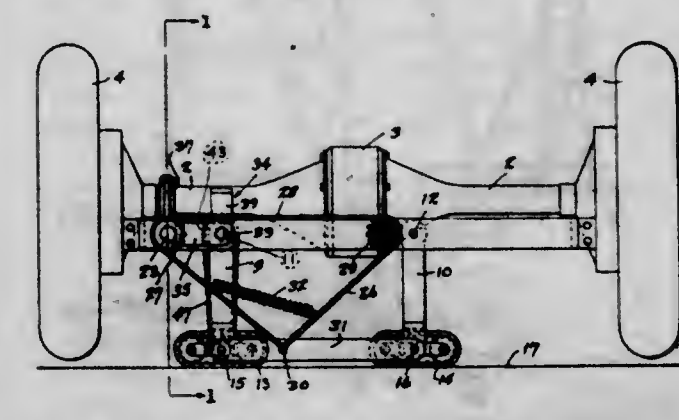
1. A lamp for vehicle bodies having in combination a hollow body having a light opening, and a rim surrounding the light opening, and a shield detachably secured to said body and covering a portion of the light opening, said body having an inwardly depressed portion spaced from said rim and forming a shoulder for positioning the said shield relative to said body.

1,736,497. ROTATABLE PISTON PUMP AVAILABLE FOR VISCOSE. LEON JACOT-DESCOMMES, Yverdon, Switzerland. Filed Feb. 24, 1928. Serial No. 256,749. and in Switzerland Feb. 28, 1927. 1 Claim. (Cl. 103-161.)



In a rotatable piston pump available for viscose and having an adjustable out-put, the combination, a cylindrical casing possessing a lateral extension and a cover plate constituting its one side face, a stationary trunnion projecting into the inside of said casing and held adjustably in a radial sense in the other side face of the casing, a cylindrical hollow pump body in contact with the inside of the casing only at two limited and diametrically opposed extents and having at least one set of radial perforations and an axis integral with it mounted rotatably in said cover, pistons fitted slidably into said perforations of the pump body and hinged to slide shoes capable of some lateral adjustment and fitted close to the surface of said trunnion, boops adapted to maintain the contact between said shoes and the trunnion, two circumferential segmental grooves provided in the casing and separated by said contact extents between the casing and the pump body, a circular groove between this body and the bottom face of the casing and a counterbalancing chamber on the opposite side between the pump body and the cover plate, admission and discharge canals with orifices in said lateral extension of the casing and communicating canals between the admission canal and the counterbalancing chamber and between the discharge canal and the said circular groove and circumferential discharge groove, the whole with a view of lubricating all movable parts of the pump with a constantly renewed liquid.

1,736,498. PARKING DEVICE FOR AUTOMOBILES. PETER JENSEN, Daly City, Calif. Filed May 21, 1928. Serial No. 279,529. 10 Claims. (Cl. 180-1.)



1. A parking device for automobiles comprising arms for lifting the rear wheels off from the ground, endless

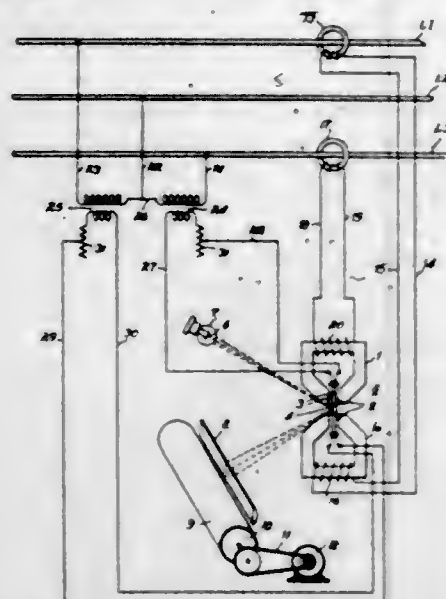
track-laying members carried by said arms, a driving shaft rotatable in either direction, manually-controlled means for operatively connecting said arms with said shaft for swinging them into or out of operative position, and for operatively connecting said track layers to said shaft for moving said track layers in either direction.

1,736,499. VERMINPROOF PERCH SUPPORT. ARNOLD JOHNSON, Devils Lake, N. Dak. Filed Mar. 2, 1928. Serial No. 258,649. 6 Claims. (Cl. 119-25.)



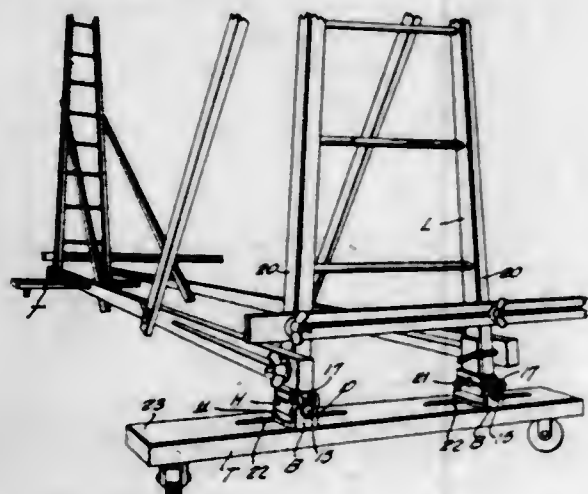
1. A perch support comprising a metal bar having bends forming downwardly offset perch-receiving portions provided with insecticide holding means.

1,736,500. METHOD OF AND APPARATUS FOR CONTROLLING VIBRATORY SYSTEMS. JOSEPH W. LEGG, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1927. Serial No. 221,599. 12 Claims. (Cl. 171-95.)



5. In a deflecting system, two wires supported at their ends and means electrically connecting said wires at a point intermediate said ends.

1,736,501. SUPPORTING DEVICE FOR RAILS. JOHN J. MACKLEM, Los Angeles, Calif. Filed Aug. 1, 1928. Serial No. 296,725. 6 Claims. (Cl. 304-3.)



1. A supporting device for rails comprising a base member having spaced apart portions provided with re-

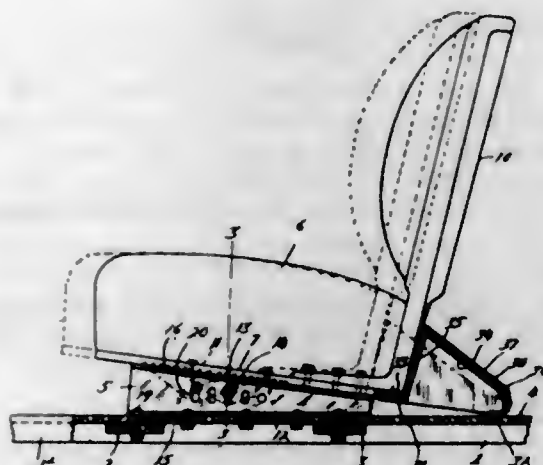
cesses, a holding member having means in which a rail is adapted to be received and confined, and trunnions on the holding member journaled in said recesses to pivotally mount the holding member on the base member.

1,736,502. CARPENTER'S LEVEL. ROBERT B. MADDOX, Elk, Calif. Filed Sept. 6, 1927. Serial No. 217,698. 1 Claim. (Cl. 33-212.)



In a level of the character described, a straight-edge formed with a transverse perforation defined by a central cylindrical section and an internal annular shoulder and two frusto-conical sections joining the cylindrical section and the shoulder respectively, a liquid carrying annular bulb adapted to be guided through the cylindrical section and to be seated on the shoulder, two frusto-conical elements seated on the frusto-conical sections and bearing on the bulb for holding the same in place and means for securing the latter elements to their seats, the bulb being visible from opposite sides of the straight edge and no part of the holding means projecting beyond the surface thereof.

1,736,503. ADJUSTABLE SEAT FOR VEHICLE BODIES. WILLIAM MARSHALL, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 22, 1926. Serial No. 150,074. 5 Claims. (Cl. 155-14.)

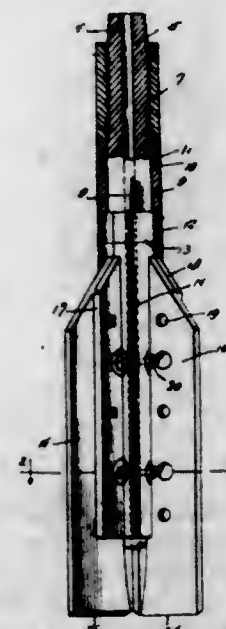


5. The combination with a seat and a support therefor, of a toe board comprising an inverted channel-shaped member secured to said seat and having a longitudinally extending flange normally resting upon said support.

1,736,504. WELL-DRILLING TOOL. JOHN MOSLEY, Peoria, Ill. Filed Oct. 19, 1927. Serial No. 227,285. 3 Claims. (Cl. 253-61.)

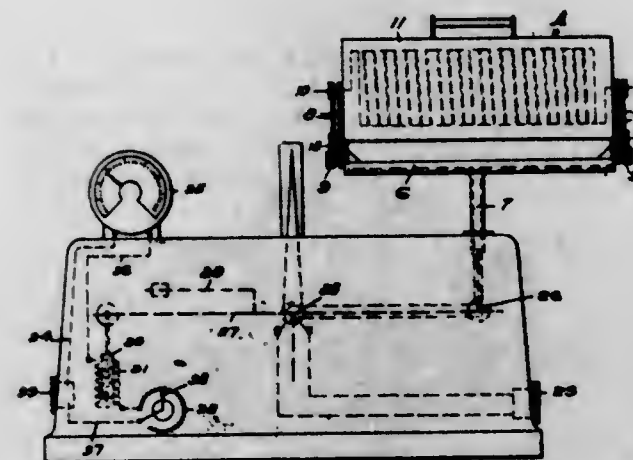
1. In a drilling tool of the class described, a shank having a rounded upper end and a triangular shaped lower

end forming a plurality of edges extending longitudinally of the shank, a plurality of blade sections fitted over the



edges, of said lower end and interconnected with each other for movement with the shank and a blade carried by each of said sections extending radially from the shank.

1,736,505. MOISTURE TESTER. MORITZ L. MUELLER, Seattle, Wash., assignor to Northwest Blower Kiln Company, Portland, Oreg., a Corporation of Washington. Filed Aug. 29, 1927. Serial No. 216,124. 9 Claims. (Cl. 73-24.)

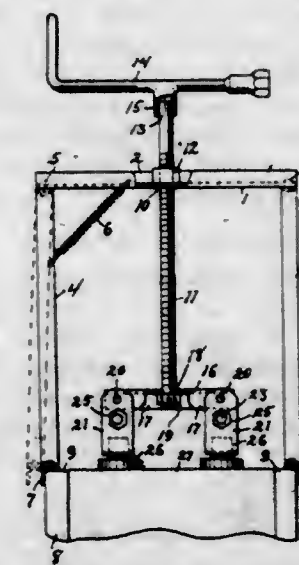


1. The combination with a movable scale element, of a heating unit mounted thereon and movable therewith, and means for heating said unit while in position upon the scale element, said unit being of a nature to bodily receive samples to be simultaneously heated and weighed.

1,736,506. BATTERY-CELL EXTRACTOR. WILLIS R. MUNSON, Fort Wayne, and JOHN Q. SHIPLEY, Warren, Ind., assignors to Fred C. Zieg, Fort Wayne, Ind. Filed Mar. 10, 1928. Serial No. 262,236. 3 Claims. (Cl. 29-84.)

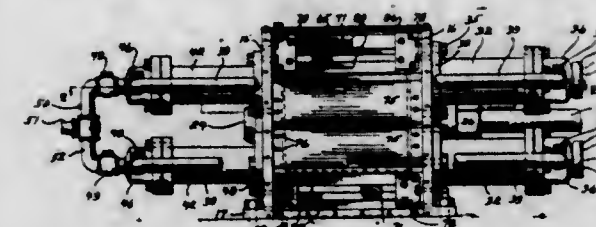
3. An appliance of the class described consisting of a horse applicable to the case of a battery upon the walls

thereof; a jack-screw extending loosely through the top of the horse and provided with a nut threaded thereon engageable by the horse so as to prevent rotation thereof;



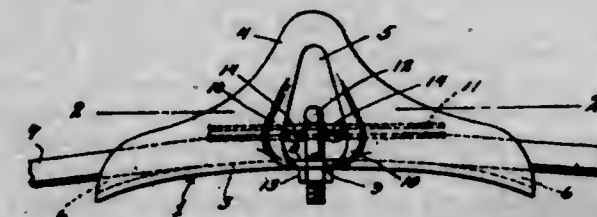
and a grappling device having swivel relation with the lower end of the jack-screw and attachable to the terminals of a cell contained in said case.

1,736,507. COMPRESSOR-OPERATING MEANS. EDWIN F. PETERSON, Menominee, Mich. Filed July 6, 1926. Serial No. 120,796. 3 Claims. (Cl. 74-14.)



1. In motion transmitting mechanism for converting continuous rotary motion into rectilinear reciprocating motion, the combination with a pair of spaced apart supporting plates, of a drive shaft revolvably mounted in the plates and provided with a cam groove disposed between the plates, companion sets of elements reciprocally movable in a path parallel with the axis of rotation of the drive shaft, rods connecting companion sets of reciprocating elements and extending parallel with the drive shaft, cross heads rigidly carried by said rods between the plates and having guide and cam rollers mounted upon their outer and inner faces respectively, guides connected between the supporting plates and providing tracks for the cross heads, said cam roller of the cross heads to engage in the cam groove of the drive shaft and be held against displacement by said cross head guides, and further guides carried by the supporting plates outwardly of said cross head guides for receiving the guide roller mounted at the outer face of said cross heads.

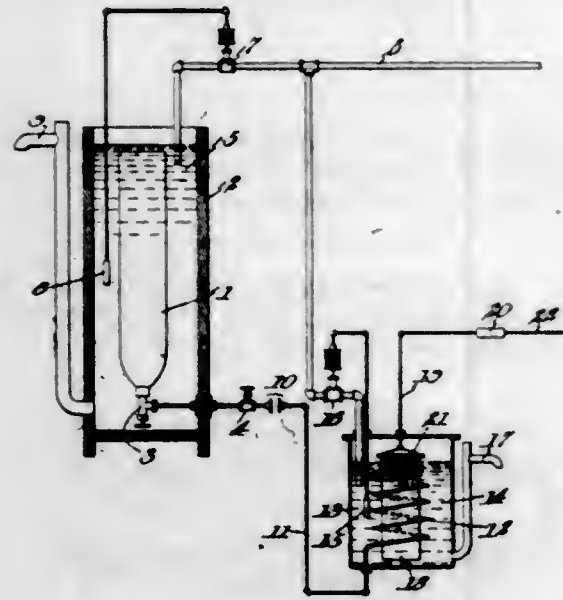
1,736,508. CONDUCTOR SUSPENSION CLAMP. BENJAMIN A. PLIMPTON, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed Feb. 25, 1927. Serial No. 170,926. 11 Claims. (Cl. 24-135.)



1. In a device of the character described, a relatively stationary member of elongated shape substantially U-

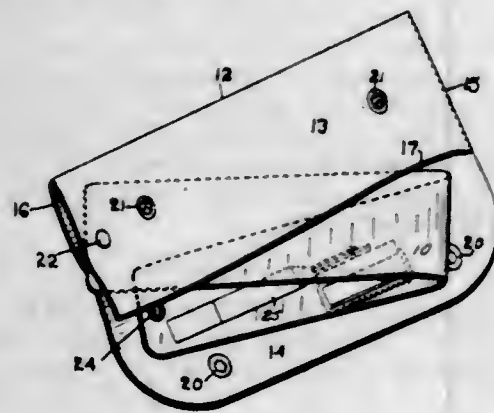
shaped in cross section and having a transversely and longitudinally curved bottom portion and spaced parallel upstanding side portions, said side portions being formed with opposite openings, the central portion of the bottom being formed with lateral extensions at the lower ends of said openings, said lateral extensions being formed with holes, a keeper member located between the sides and co-operating with the bottom of the relatively stationary member to constitute clamping means, and a U-bolt straddling said keeper member and having its arms passing through said holes and equipped with nuts.

1,736,509. PROCESS AND APPARATUS FOR CONTROLLABLY FEEDING GASES. JASPER M. ROWLAND, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, New York, N. Y., a Corporation of New York. Filed Jan. 7, 1927. Serial No. 159,733. 9 Claims. (Cl. 122—32.)



1. The method for obtaining a supply of a fluid, in gaseous phase, from a source of supply of said fluid in liquid phase, by the operations of withdrawing said fluid in liquid phase from said source of supply, and vaporizing the same, which comprises maintaining equilibrium pressure conditions throughout said operations.

1,736,510. RAZOR STROP AND CASING. CHARLES L. SKELLEY, New York, N. Y. Filed June 9, 1925. Serial No. 36,048. 3 Claims. (Cl. 51—198.)



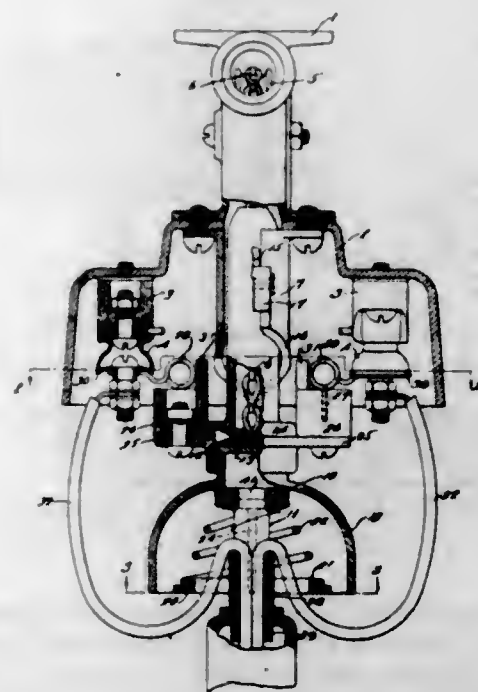
1. A razor strop comprising a casing of flexible material which is open only at one end and one side, a flexible leather stropping member pivotally connected to a wall of the casing at said open end in such a manner that it may swing edgewise into the casing and be concealed therein or it may be swung around to form an extension of the casing whereby the latter serves as a handle for the strop, and a flap on the casing arranged to enclose the open side of the casing, said casing being arranged for the insertion of a razor through the open side and permitting both the razor and the strop to be safely carried therein.

1,736,511. FURNITURE CONSTRUCTION. FRANK SMITH, Salem, Ohio. Filed Oct. 20, 1926. Serial No. 142,922. 2 Claims. (Cl. 155—179.)



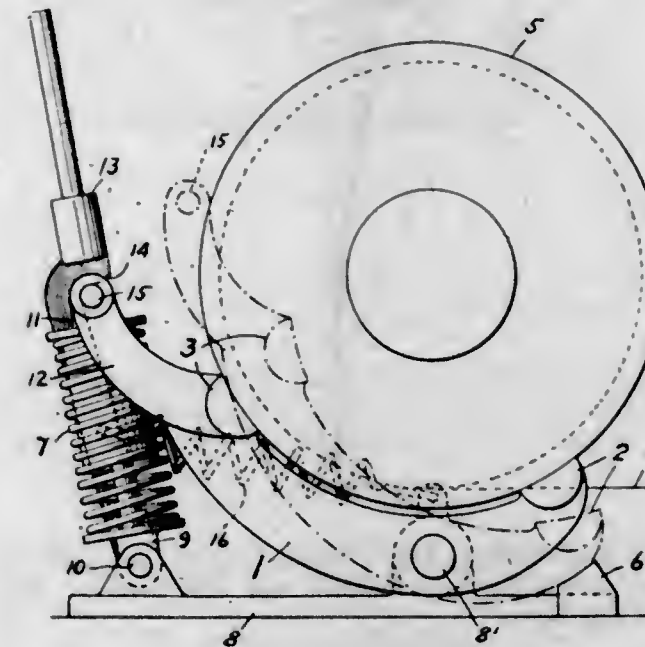
1. A back construction for furniture comprising a frame embodying side pieces and a top rail connecting the upper ends of the side piece, spaced cushioning springs supported inwardly of the frame and projecting forwardly therefrom, spacer blocks mounted in horizontal alignment upon the front faces of the side pieces and adjacent the top rail, a bridge piece embodying a main body portion and depending arms at each end thereof anchored to the front faces of said spacer blocks, means for securing the body portion of the bridge piece to the foremost convolution of each of the uppermost cushioning springs, and an upholstery extending over the springs and bridge piece and secured to said frame.

1,736,512. LAMP-HANGER STRUCTURE. ALLISON J. THOMPSON, Cleveland, Ohio. Filed May 26, 1926. Serial No. 111,745. 5 Claims. (Cl. 240—66.)



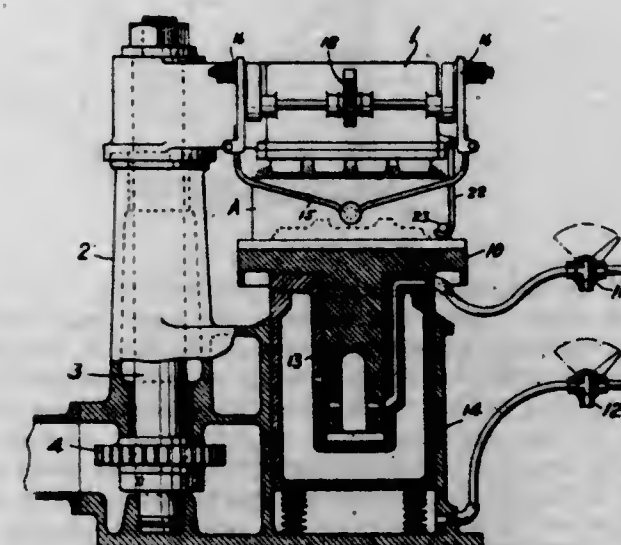
1. In a device of the character described, the combination of a lamp carrying hanger member, an insulator carried thereby and having a recess, a metal spring having a portion seating in said recess whereby said spring is supported by said insulator and an arm portion extending transversely of said recess, and a conductor-receiving contactor carried by said spring arm portion for yielding engagement with a cooperating contactor.

1,736,513. CHOCK AND STARTER FOR MOLDING MACHINES. FRANK R. WALLACE, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 21, 1928. Serial No. 287,323. 3 Claims. (Cl. 104—162.)



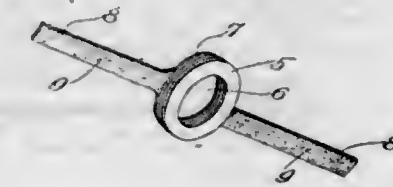
1. A chock and starter for molding machine tramways including, in combination, a rocking shoe adapted in one position to present both its ends above the rail and in position for engagement with the wheel flange of a tramway and adapted in the other position to present one end below the rail and the other end above the rail in position for engagement with the wheel flange, a stop and a spring arranged to urge the shoe into contact with the stop and into the last named position to start the car of the tramway, and a spring catch adapted to automatically lock the shoe when turned into the first mentioned position by the wheel flange of an oncoming tram car and to release the shoe for spring action in starting the car.

1,736,514. MOLDING MACHINE. FRANK R. WALLACE, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 14, 1928. Serial No. 292,858. 7 Claims. (Cl. 22—43.)



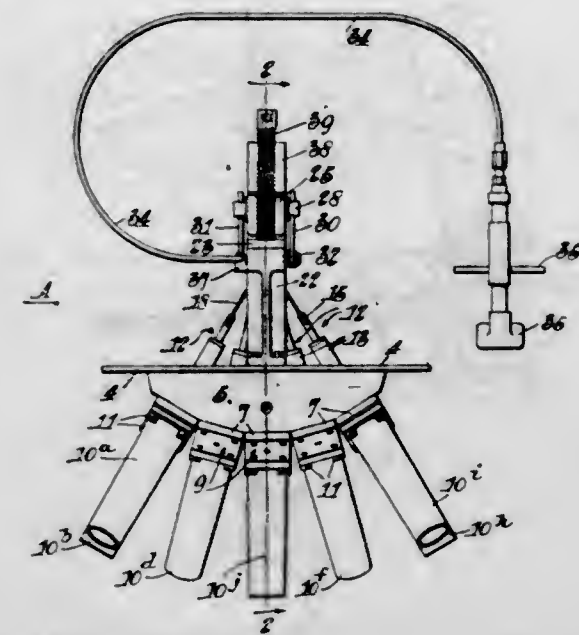
1. In a molding machine the combination of a vertically movable mold table, a pattern connected to the table, a head movable into position for squeezing cooperation with the table for the production of mold cavities in flasks and into position away from said table, and means for securing a finished mold to said head for transportation by the latter into the last named position.

1,736,515. CORN PAD. PERCY G. ANDERSON, Elgin, Ill. Filed Sept. 20, 1927. Serial No. 220,776. 1 Claim. (Cl. 128—153.)



A corn pad comprising a fastening ring having oppositely disposed extensions coated on one surface thereof with adhesive, and a plurality of superimposed relatively hard rings of buckram on said fastening ring and aligned therewith.

1,736,516. SKY WRITING. RICHARD DOUGLAS BAILEY and DORIAN BAILEY, Seaforth, England. Filed Dec. 8, 1923. Serial No. 679,359½, and in Great Britain Jan. 1, 1923. 8 Claims. (Cl. 244—1.)

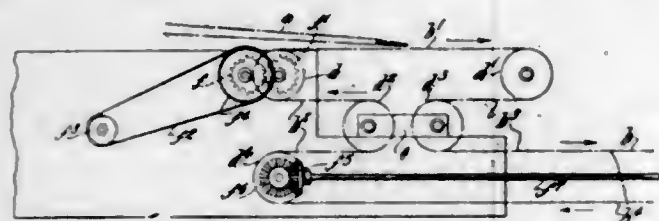


1. In the art of sky writing or printing, the method which consists in holding an airplane in substantially a straight course and at definite intervals firing from said airplane in a direction substantially transverse to the line of flight, successive groups of suitable fireworks producing effects visible from the ground, thereby forming successive letters, numerals or symbols, and so controlling the action of said fireworks that said letters, numerals or symbols will substantially appear as located on one plane.

1,736,517. CONVEYING APPARATUS. GEORGE RALPH BAKER, London, England, assignor to Baker Perkins Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 20, 1927. Serial No. 200,261, and in Great Britain July 30, 1926. 10 Claims. (Cl. 198—203.)

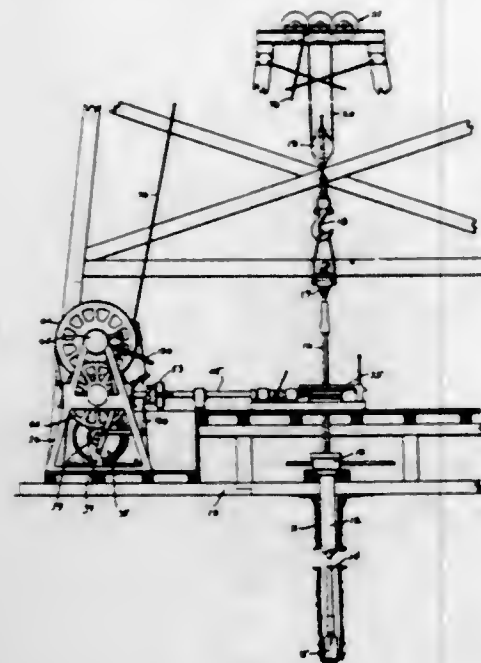
1. The combination of an endless conveyor, means for supporting the same so disposed as to divide the run of the conveyor into two sections, the conveyor where it passes from each section to the other forming a bight of variable length, a floating carriage carrying the said bights, and means for giving independent drive to the two conveyor

sections, whereby temporary variation in speed may occur between the two conveyor sections within the capacity of



said bight to take up or release the surplus or deficiency respectively of conveyor run between the sections produced by such speed difference.

1,736,518. AUTOMATIC FEED-CONTROL APPARATUS FOR WELL-DRILLING MECHANISMS. JOHN BAICKEN, Los Angeles, Calif., assignor of one-half to Regan Forge & Engineering Company, San Pedro, Calif., a Corporation of California. Filed June 9, 1926. Serial No. 114,640. 30 Claims. (Cl. 255-19.)



30. Apparatus of the class described comprising a frame, an auxiliary frame pivotally supported thereby, a motor carried by said auxiliary frame, a pinion driven by said motor, a gear co-axially mounted with reference to the pivot of said auxiliary frame, said gear meshing with said pinion, drill operating means actuable by said gear, the arrangement being such that said pinion will move along the periphery of said gear upon a predetermined overloading of the drill operating means whereby said auxiliary frame will be moved upon its pivot from normal position, and drill elevating means adapted to be actuated by said motor upon such swinging movement of said frame.

1,736,519. BOTTLE-CAP REMOVER. WILLIAM BUCHHOLTZ, Otterville, Ontario, Canada. Filed May 4, 1928. Serial No. 275,246. 1 Claim. (Cl. 65-46.)

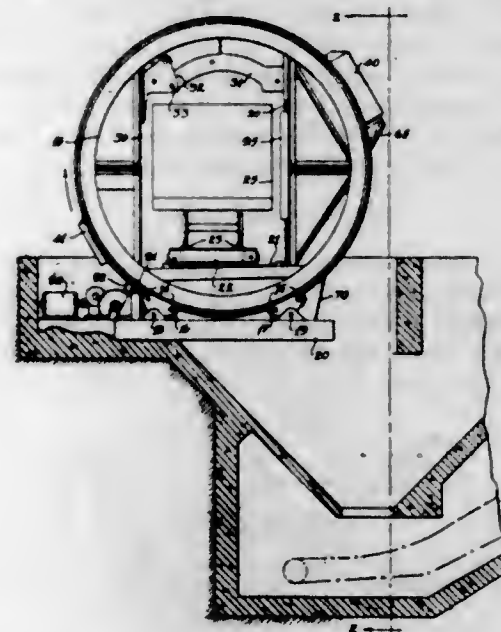
A bottle cap remover including a pair of flat elongated handles arranged in opposed relation; one of said handles having an extended and longitudinally curved bifurcated portion to form a pair of long jaws each terminating with a seat in its free end to receive the upper edge of the bottle cap with which the bottle cap remover is engaged; the other handle having a longitudinally curved narrow portion extending through and fulcrumed in the bifurcated portion of the first mentioned handle; the extended end of the second mentioned handle being turned back upon

itself to form a short jaw for engagement with the opposite lower edge of the cap to co-operate with the first mentioned jaws in removing said cap; and means carried by



one of said handles and pressing on the other for resiliently retaining said handles and said jaws in unoperated position.

1,736,520. CAR-DUMPING APPARATUS. ROBERT W. CAPPER, Garfield Heights, Ohio, assignor, by mesne assignments, to Industrial Brownhoist Engineering Corporation, a Corporation of Ohio. Filed Apr. 1, 1927. Serial No. 180,196. 24 Claims. (Cl. 214-55.)

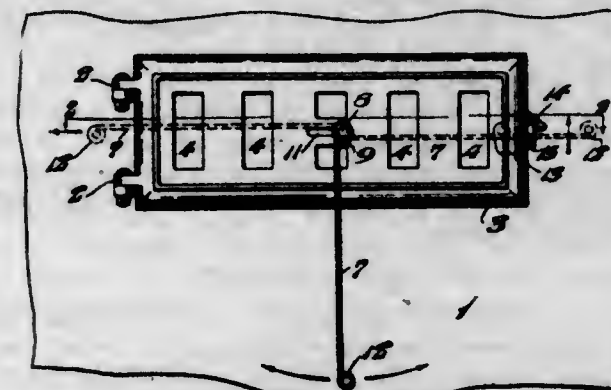


1. A car dumper comprising in combination, a car receiving cradle, means for rotating the same, said cradle having vertically extending guideways therein, a clamping member shiftable in the guideways, a counterweight normally tending to hold the member out of engagement with a car in the cradle, another counterweight tending to force the member into engagement with the car when the cradle is rotated, said counterweights being carried by and mounted on opposite sides of the cradle and adapted to move with reference thereto.

1,736,521. FURNACE-DOOR ATTACHMENT. FRANK B. COWDRICK, Philadelphia, Pa. Filed Apr. 16, 1929. Serial No. 355,601. 1 Claim. (Cl. 110-175.)

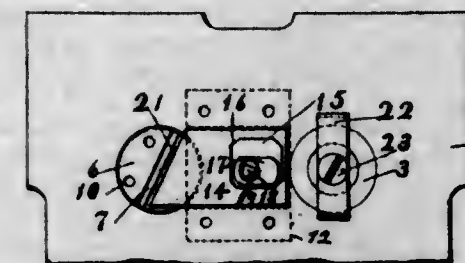
In a furnace construction, a slotted and hinged door including a latch therefor, a lug fixed to said hinged door,

a longitudinal slidable damper for said door, a stud fixed to the damper and slidable through said slot, and a pendant member pivoted to said stud whereby horizontal positions of said pendant member may be obtained for shift-



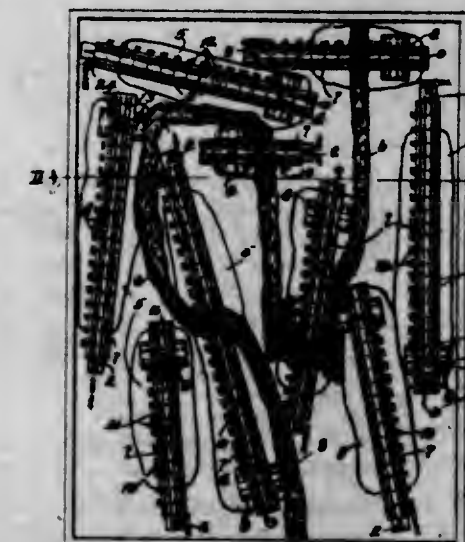
ing said damper longitudinally, and whereby in one of the horizontal positions of said pendant member it may be caused to engage beneath said lug to unlatch said hinged door.

1,736,522. COIN-SLOT PROTECTOR. ALBERT M. CRAMER, Philadelphia, Pa., assignor to Horn and Hardart Baking Company, a Corporation of New Jersey. Filed June 30, 1927. Serial No. 202,683. 2 Claims. (Cl. 194-1.)



1. A vending machine, having a front wall provided with an inclined coin receiving opening, a guide plate fixed to said wall and having its central portion depressed, a plate slidable between said depressed portion and said wall and having its forward end inclined corresponding to the inclination of said coin receiving opening and provided with an opening, and a cam member in said plate opening and provided with a lug extending through said wall, said lug having a polygonally shaped opening in it to receive a key.

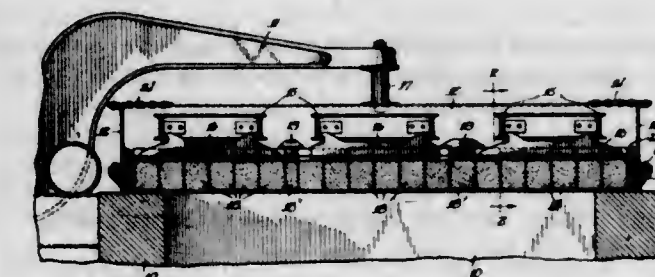
1,736,523. GOLF GAME BOARD. THEODORE H. DECKER, Highland Park, Ill. Filed May 31, 1927. Serial No. 195,202. 2 Claims. (Cl. 116-120.)



1. A golf game board comprising a board arranged to simulate a golf course, raised strips extending between

the tees and to and beyond the greens, said strips having four rows of holes for receiving pegs of a plurality of players to indicate distances of the several shots made by the several players, said strips having lateral enlargements adjacent the greens with a plurality of holes in such enlargements to indicate by inserted pegs the number of putts made by every player on the green, and pegs inserted by every player for every stroke made and retained until the end of the game, whereby the players may visualize the strokes and distances made by the several players.

1,736,524. SOAKING-PIT COVER. LOUIS ELLMAN, Pittsburgh, Pa., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 19, 1925. Serial No. 76,363. 22 Claims. (Cl. 263-46.)



1. A movable closure for fire chambers comprising a circumscribing frame, suspension members supported on the frame and courses of refractories suspended on the suspension members and encompassed by the frame.

1,736,525. ADJUSTABLE TOOTHBRUSH. LEO E. EVSLIN, Atlantic City, N. J. Filed July 23, 1926. Serial No. 124,864. 1 Claim. (Cl. 15-167.)

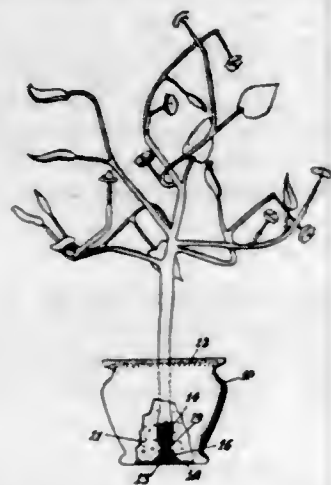


A manually operable tooth brush comprising a solid handle, an angularly bent stem fixed therein, a forked element projecting from the end of said stem, a cup through which said forked element extends, said cup containing a filler intermingling with the prongs of the fork, a conical shell spaced circumferentially said cup, said shell having a collar fixed on said stem adjacent the fork, and a thin annular brush secured between said shell and said cup.

1,736,526. SUPPORT FOR ARTIFICIAL FLOWERS. JOSEPH FRIEDMAN, Brooklyn, N. Y. Filed Nov. 18, 1927. Serial No. 234,091. 7 Claims. (Cl. 41-12.)

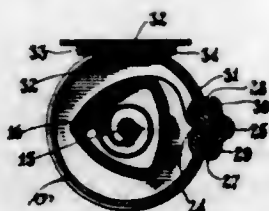
1. In a holder for artificial flowers, the combination with flower stems consisting of a bundle of wrapped wires,

exposed at the lower ends thereof, of means for removably supporting the flowers comprising cooperating threaded



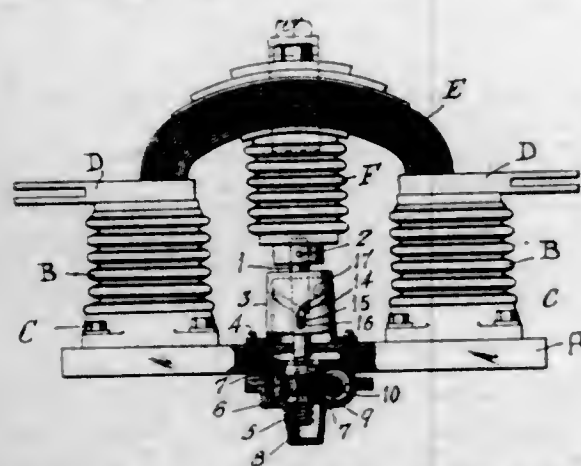
elements one of said elements being associated with the holder and the other of said elements being secured to the lower ends of the wires.

1,736,527. CURTAIN ROLLER. GASPAR GARCIA, Habana, Cuba. Filed Oct. 21, 1927. Serial No. 227,663. 3 Claims. (Cl. 156-36.)



1. In a device of the class described, a casing comprising a pair of telescoping sections, a tubular member secured to one end of one of said telescoping sections, a rod secured to the end of the other telescoping sections and extending into said tubular member, a hollow roller substantially in cross section and comprising telescoping sections journaled on said rod and tubular member, a spring disposed around said rod and tubular member secured at one end to said hollow roller and at its other end to said rod adapted to be varied in tension by extension of the telescoping section of said casing and roller, and a shade wound on said roller attached thereto at one end and disposed outwardly through a slot in said casing adapted to be urged inwardly with a force of one intensity by said spring when the force of said spring is applied by the edges of said roller and to be urged inwardly by the same spring with a greater force when the force of said spring is applied by a side of said roller.

1,736,528. ELECTRIC SWITCH. FRAZER W. GAY, Newark, N. J. Filed Dec. 8, 1927. Serial No. 238,580. 8 Claims. (Cl. 200-48.)



1. An electric switch comprising a pair of insulated fixed contacts, a conductor to cooperate therewith to electrically

connect and disconnect said contacts, means between said contacts supporting said conductor and linearly movable in opposite directions to actuate said conductor into and out of engagement with said contacts, said supporting means also being rotatable to move said conductor toward and from said contacts in a plane at right angles to the plane of the first-mentioned movement, means for actuating said conductor supporting means through said linear movements, and cam means cooperating with said supporting means during said linear movement of the latter in both directions to rotate said supporting means alternately in opposite directions simultaneously with said linear movement.

1,736,529. BUSHING REMOVER AND REPLACER. WILLIAM S. GOELLER, Birmingham, Ala. Filed May 14, 1928. Serial No. 277,711. 3 Claims. (Cl. 29-88.2.)



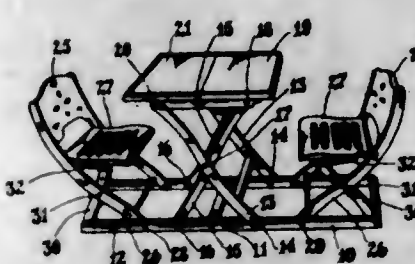
1. A device for removing and replacing bushings in a body at one operation, comprising a mandril having a portion adapted to fit snugly within the old bushing to be removed, a detachable bushing engaging member secured to one end of the mandril and adapted to bear against one end of the old bushing to be removed on one side of the body, said detachable bushing engaging member having an extended portion adapted to fit snugly within the new bushing replacing the old, a member secured to the outer end of the detachable bushing engaging member and adapted to bear against the new bushing, a thrust sleeve surrounding the mandril on the other side of the body and adapted to bear against the body, a nut threaded on the mandril and forcing the thrust sleeve against the body to effect longitudinal movement of the mandril and pull the old bushing out of and the new one into the body.

1,736,530. PISTON RING. HARRY S. GRAVES, Highland Park, Mich. Filed Apr. 14, 1927. Serial No. 183,677. 3 Claims. (Cl. 74-109.)



1. A piston having a wide channel therein with the back wall of said channel provided with grooves, a band in the channel of said piston, expansible rings in the grooves bearing against the inner wall of said band, another groove in said piston, and a supporting ring in said groove and extending over one edge of said band.

1,736,531. FOLDABLE TABLE AND CHAIR. ANDREW HODINKA, New York, N. Y. Filed Mar. 17, 1927. Serial No. 176,039. 2 Claims. (Cl. 155-123.)



1. In a device of the class described, a base frame comprising pivotally attached sections, a table comprising

pivotally attached top sections pivotally mounted on said base frame, folding chairs each comprising a back element pivotally attached at its lower end to said base frame, and seat members pivotally connected with links pivotally connected with legs pivotally mounted on the back elements and adapted to be manually raised and reclined on the edge of said table top and to be automatically clamped between said top sections and said back elements by manipulation of said base frame sections.

1,736,532. TAPESTRY FABRIC AND METHOD OF MAKING THE SAME. BENJAMIN HOLMES, Woodbury, N. J., assignor to Morrell Mills, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Feb. 14, 1927. Serial No. 167,980. 1 Claim. (Cl. 139-418.)



The method of weaving a fabric of the character stated, which consists in employing two sets of medium and highly tensioned ground warp threads and one set of figured warp threads, interweaving the same with ground weft thread, thereby to produce a ground ply in substantially one plane, interlacing said figured warp threads upon the face of said ply alternately with a padding weft thread laid freely across said ply and with a ground weft thread, thereby to tie and encase said padding weft thread on the face of the ply with the figured warp threads, the difference in tensioning of the two sets of ground warp threads providing an embossed tapestry fabric unbroken in substantially one plane, and a figuring ply disposed alternately upon the body ply.

1,736,533. END EXTENSION TABLE. ROBERT W. IRWIN and NICHOLAS BEKUS, Grand Rapids, Mich., assignors to Robert W. Irwin Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 19, 1925. Serial No. 3,324. Renewed Oct. 7, 1929. 5 Claims. (Cl. 45-113.)



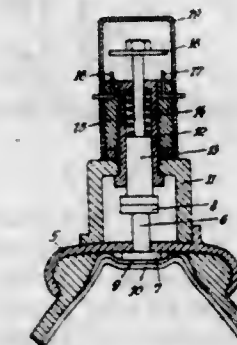
1. In an extension table, a main top, an under supporting frame for the top to which said top is rigidly attached, there being an open space at an end of the table between said main top and the supporting frame, an extension top section adapted to be located within said open space when not in use, bars fixedly attached to said section slidably mounted on the supporting frame for outward movement whereby the extension top section may be moved outwardly beyond the end of the table, and interengaging means on the adjacent end of the supporting frame and on said bars for holding the extension top section in the same plane with the main top when said section is elevated and moved with said attached bars backward to bring its inner edge into abutting engagement with the end of the main top.

1,736,534. TIRE-DEFLATION SWITCH. BORGE CHRISTIAN SKOVGAARD JENSEN, Frederiksberg, and JENS PETER PETERSEN, Copenhagen, Denmark. Filed Jan. 20, 1927. Serial No. 162,835, and in Denmark Jan. 26, 1926. 1 Claim. (Cl. 200-58.)

A pneumatic tire deflation indicator comprising a normally broken electric signalling circuit, a tire pressure

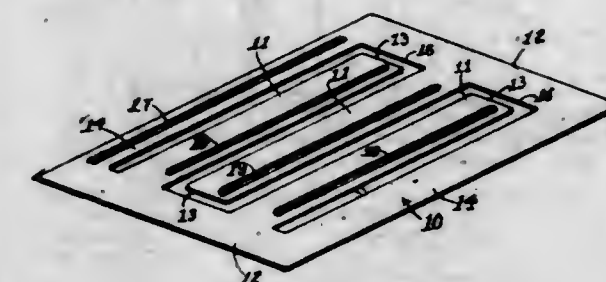
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controlled circuit closer for governing the condition of the circuit at the point of break consisting of a housing, two contacts within said housing forming the terminals of the circuit closer, a pin in the housing, a member on said pin adapted to bridge the said two contacts, a second pin mounted in the rim of the wheel carrying the pneumatic



tire and engaging the said first pin under the pressure of the tire to prevent said bridging member from contacting with the said two contacts, and a spring for moving said pin and bridging member into engagement with the said contacts to close the said circuit when the tire pressure falls below a predetermined limit.

1,736,535. MANIFOLDING DEVICE. ARTHUR A. JOHNSON, New York, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 24, 1922. Serial No. 546,321. 24 Claims. (Cl. 282-29.)



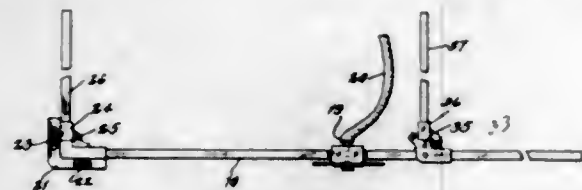
1. A carbon sheet holder comprising a plate having two sides and integral arms extending from each side toward the other, and free of the opposite side.

1,736,536. MOLD AND LINER FOR LINOTYPE MACHINES. ERIK W. JOHNSON, Chicago, Ill., assignor of one-half to Leon A. Kamradt, Chicago, Ill. Filed July 23, 1927. Serial No. 207,880. 3 Claims. (Cl. 199-55.)



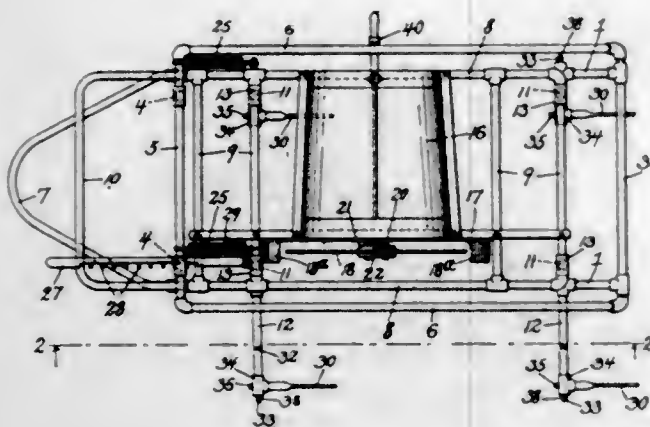
1. In a mold for a linotype machine, in combination, an integrally-formed cap and liner, a mold body and a coacting quad block having an insertable element contacting with said cap and liner and said mold body, said element being recessed and configured on the face thereof at a point opposite a recess lying between said cap and liner and said mold body when joined together, whereby molten metal within said recess will be configured by said element to form a slug having a printing edge, said printing edge being provided by a prolongation of one of the sides of the slug, there being a beveled surface lying between said side and an opposing other side of said slug.

1,736,537. TAILOR'S PRECISION MEASURE. JOSEPH KRUKOWSKI, Brooklyn, N. Y. Filed July 19, 1927. Serial No. 206,591. 3 Claims. (Cl. 33-7.)



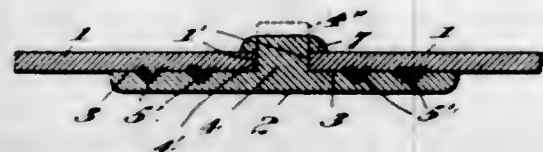
1. In an instrument of the class described, a rule, a bracket longitudinally displaceable on said rule, rollers for facilitating its displacement, a sleeve hinged to said bracket, adapted to receive an arm, an eye on said sleeve, an eye on said bracket, means for normally keeping said eyes out of alignment but allowing their alignment, and a pin adapted to be received by said eyes when in alignment for locking the parts in their adjusted relative positions.

1,736,538. ICE-CUTTING DEVICE. SAMUEL E. KURTZ, Sac City, Iowa. Filed Apr. 16, 1923. Serial No. 632,273. 7 Claims. (Cl. 262-20.)



1. An ice cutting device comprising a main frame, a movable engine frame movably mounted on said main frame, an internal combustion engine on said engine frame, a saw directly mounted upon said engine shaft and said saw also acting as the fly wheel for the engine, means for maintaining said engine frame in a substantially horizontal position during all of its various positions.

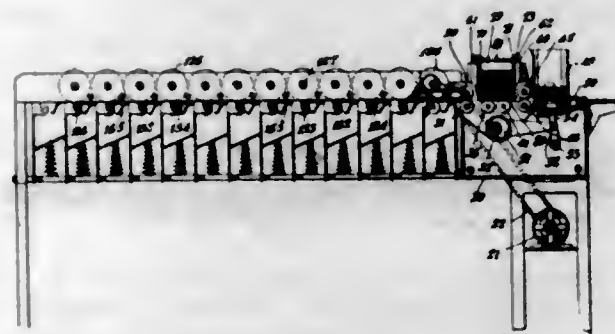
1,736,539. WELDED AND CALKED BODY AND PROCESS OF PRODUCING SAME. MAURICE LACHMAN, New York, N. Y., assignor to Bethlehem Steel Company. Filed Oct. 14, 1927. Serial No. 226,086. 3 Claims. (Cl. 219-10.)



1. A process for joining two bodies, comprising the steps of providing a uniting body having a face conforming in shape to the faces of the bodies to be joined and having an elevated member at an intermediate portion of said face of the uniting body conforming in shape to the edges of the bodies to be joined, providing extended welding ridges on the faces to be welded of certain of the bodies extending in the same general direction as that of the elevated member, positioning the edges of the bodies to be

joined on each side of the elevated member, passing electric current through the bodies to be joined and the uniting body to weld them.

1,736,540. SORTING MACHINE. JAMES LAST, Dobbs Ferry, N. Y., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 25, 1927. Serial No. 163,440. 35 Claims. (Cl. 209-110.)



1. In a machine of the character described, the combination of card sensing means, means for retaining cards in position to be analyzed by said sensing means, and means for effecting release of said cards by said retaining means under control of said sensing means.

1,736,541. MANUALLY-DRIVEN AEROPLANE. THEODOR LEKA, New York, N. Y. Filed July 14, 1928. Serial No. 292,682. 5 Claims. (Cl. 244-29.)



1. In combination with an aeroplane, a seat connected by means of a tension spring to the elevator operating lever of the said aeroplane as a means of normally holding the said elevators in an angularly downwardly inclined position, when the said seat is occupied, the said seat pivotally mounted on a support and residing on a coil spring secured to a second support.

1,736,542. EGG BEATER. THOMAS J. MADIGAN, Brooklyn, N. Y. Filed Mar. 8, 1928. Serial No. 259,969. 1 Claim. (Cl. 259-127.)

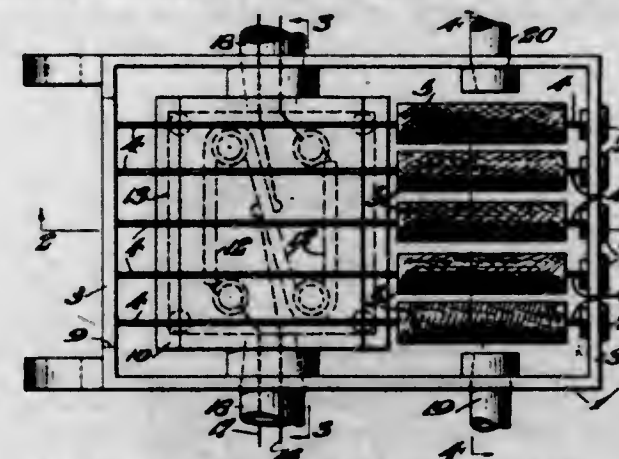
In an egg beater, a sheet metal support, agitating units mounted on the support, gear means for actuating said units, a shaft journaled in said support, a pinion mounted on one end of the shaft, a rod slidably mounted in the

support and having an offset portion, said offset portion being formed into a rack engaging the pinion, said support



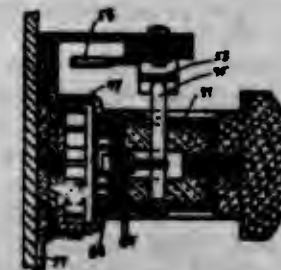
having a projection formed to serve as a guide for the rack, and spring means to normally urge the rod in one direction.

1,736,543. APPARATUS FOR SOFTENING SILK, YARN, COTTON, AND OTHER THREAD. HERMAN MAYER, Philadelphia, Pa. Filed May 3, 1928. Serial No. 274,779. 4 Claims. (Cl. 91-38.)



1. In a device of the character stated, a receptacle for thread moistening purposes adapted to contain a liquid, a rod extended longitudinally of said receptacle in the upper part thereof, a wick doubled over upon itself and supported by said rod, said wick having its pendant lower ends submerged in said liquid, thread guiding means arranged below the top of said wick substantially in parallelism with said rod for guiding said thread between and in contact with the pendant portions of said wick, a closed chamber arranged within the liquid containing receptacle, and a heating medium for said chamber, said heating medium being isolated from the liquid in said receptacle.

1,736,544. CIGAR LIGHTER. HERBERT E. MEAD, Detroit, Mich., assignor to S. T. Jessop Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 24, 1927. Serial No. 215,236. 15 Claims. (Cl. 219-32.)



14. In an electric heater of the class described, a base, a socket movably mounted on said base, a heating plug

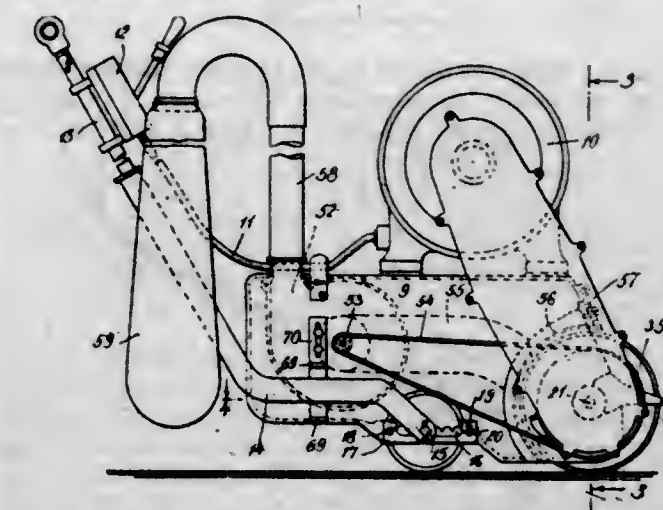
adapted to be inserted into said socket, a heating unit on the inner end of said plug adapted to be housed in said socket, electrical supply terminals, said socket being movable between an energized position where a circuit is established from said terminals and an off position where said circuit is interrupted, and a spring disposed outside of said socket tending to move the same to a de-energized position.

1,736,545. SHOE LAST. CHARLES MILLER, Long Island City, N. Y. Filed Mar. 16, 1928. Serial No. 262,072. 2 Claims. (Cl. 12-139.)



1. A wooden last for shoes, a protective cap attached to the top of the heel portion of said last, and a layer of resilient material between said cap and said last and disposed in a direction substantially normal to the longitudinal axis of the last.

1,736,546. FLOOR SANDER. ROBERT A. PONSELLE, New York, N. Y. Filed June 11, 1924. Serial No. 719,257. 10 Claims. (Cl. 51-176.)



7. A machine for treating floors which comprises the combination of a frame, a motor mounted thereon, a drum mounted in fixed bearings in the frame, and driven by the motor, this drum bearing against the floor when the machine is in use, a shaft mounted in the frame parallel to the axis of the drum, and capable of being placed in different positions of adjustment relative to the drum, and a pair of wheels mounted on the shaft and capable of relative adjustment thereon, said wheels cooperating with the drum to support the machine.

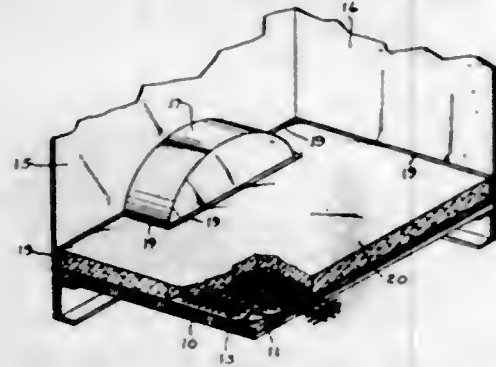
1,736,547. BOXING-GLOVE COVER. JOHN L. RESTIVO, New York, N. Y. Filed Sept. 23, 1924. Serial No. 739,261. 4 Claims. (Cl. 2-18.)



1. A cover or protector of the class described comprising a casing shaped to conform to a boxing glove and

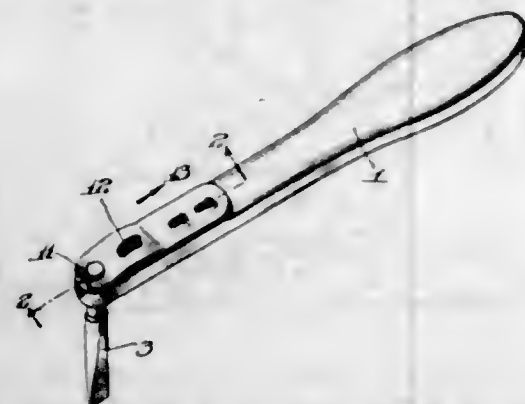
adapted to be drawn over the body portion and thumb of the said glove and means attached to the said casing constituting a hand grip protective covering insertible within the body of the said glove.

1,736,548. VEHICLE-FLOOR CONSTRUCTION. DAVID W. PYE, Brooklyn, N. Y. Filed Nov. 17, 1926. Serial No. 148,827. 1 Claim. (Cl. 94-3.)



The combination of a vehicle having a metal wall, of a horizontal support therein, a metal wire mesh anchored at intervals to the support, a semi-flexible abrasive composition of surfacing material laid over the wire mesh and embracing it, said composition being of wear resisting abrasive material, and a felt border liner interposed between the material and the walls of the body whereby abrasion of the metal by the semi-flexible floor is prevented.

1,736,549. ROTARY TOOL HANDLE AND TOOL THEREFOR. JAMES P. SALMON, Philadelphia, Pa. Filed July 7, 1927. Serial No. 203,944. 1 Claim. (Cl. 145-76.)

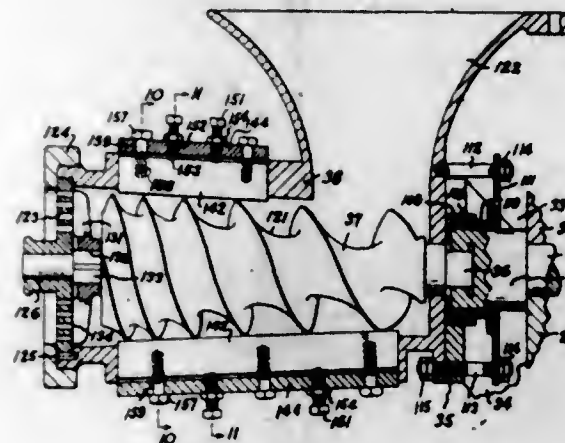


In a device of the character stated, an elongated handle member having a polygonal shaped socket therein, a tool having two adjacent shanks adapted to be positioned alternatively within said socket, one of said adjacent shanks being round to revolvably fit said polygonal socket, said other adjacent shank being polygonal to non-revolvably fit said polygonal socket, thereby alternatively to dispose said tool in revolvable or non-revolvable relation to said handle member, there being an annular groove in said tool, a generally flat spring slidably mounted upon said handle member, having a bifurcated end adapted revolvably to engage in said corresponding annular groove in the end of said tool when said spring is in its forward or operative position thereby detachably to maintain said tool in assembled relation to the tool holder and normally yieldably to maintain said tool in revolvable relation with respect to the holder member.

1,736,550. MEAT-GRINDING MACHINERY. OSCAR C. SCHMIDT, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 15, 1927. Serial No. 213,157. 6 Claims. (Cl. 146-189.)

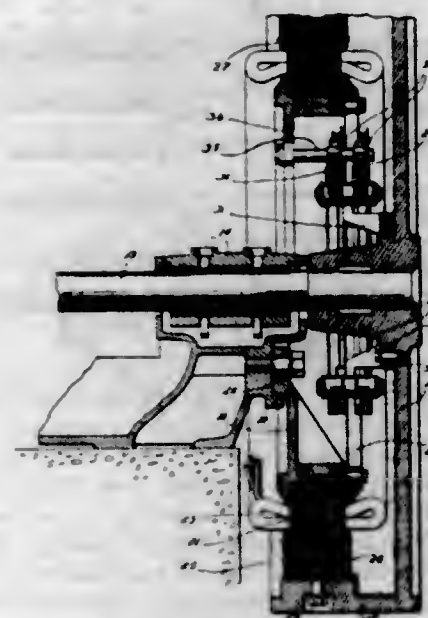
1. In a meat grinding machine of the character described, the combination of a drive-shaft frame, a feed-

screw frame, a bracket connecting said frame, said bracket including a drainage space open at its top between said frames, a drive-shaft in said drive-shaft frame, a feed-screw in said feed-screw frame, a releasable driving con-



nection between said drive-shaft and said feed-screw at said drainage space, a packing about said shaft at said drainage space, take-up means for said packing, and adjusting means in said drainage space for said take-up means.

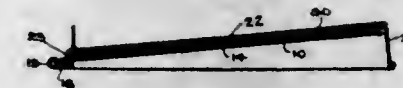
1,736,551. ELECTRIC MOTOR AND GENERATOR. THEODOR SCHOT, Mansfield, Ohio, assignor to The Ideal Electric & Manufacturing Co., Mansfield, Ohio, a Corporation of Ohio. Filed Nov. 5, 1924. Serial No. 747,883. 4 Claims. (Cl. 172-120.)



1. In an electrical machine, a base, a shaft journaled in said base, a pulley secured to said shaft and having a rim disposed outwardly from said shaft, electrical windings mounted on the inner face of said rim, a bracket carried on said base adjacent said bearing and forming an upwardly opening concave seat, and a stator having external windings, said stator having a convex face resting in said seat for supporting said stator and positioning the windings thereof in proper registration with the windings of said rotor.

2. In an electrical machine, a base, a shaft journaled in said base, a supporting cradle mounted on said base and having a curved seat concave on its upper face, a stator having a curved bearing portion detachably mounted in said seat, and a rotor secured to said shaft and having windings thereon disposed outside of said stator, said stator and rotor being positioned and held in proper registration and spaced relative to one another by said cradle.

1,736,552. EDUCATIONAL GAME. ISADOR SHULMAN and MEYER SHULMAN, New York, N. Y. Filed Apr. 14, 1928. Serial No. 289,907. 8 Claims. (Cl. 35-12.)

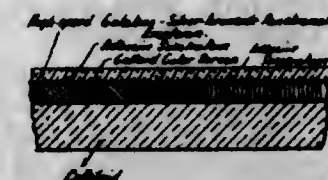


1. In an educational device, a card having printed upon one face thereof a question and upon the same face thereof the answer to said question, said answer being printed inversely with respect to the printing of said question, the relative positionment of said question and answer being such that when the card is placed before a mirror the question may be read directly from the card and the answer from the mirror.

1,736,553. PROCESS OF TREATING PHOSPHATE ROCK. GRAY SINGLETON, Fort Meade, and ROBERT P. THORNTON, Lakeland, Fla. Filed Dec. 17, 1923. Serial No. 681,281. 2 Claims. (Cl. 71-7.)

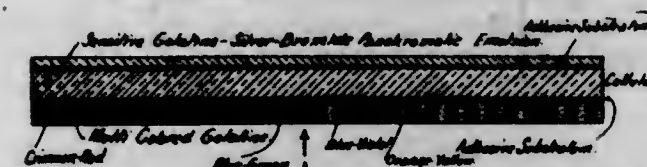
2. The herein described process of treating "soft phosphate" with an alkaline solution of both potash and ammonia to produce a complete fertilizer in one operation.

1,736,554. COLOR PHOTOGRAPHY AND SENSITIZED MATERIAL THEREFOR. JOHN EDWARD THORNTON, West Hampstead, London, England, assignor to John Owden O'Brien, Manchester, England. Filed July 1, 1925, Serial No. 40,961, and in Great Britain Aug. 2, 1924. 3 Claims. (Cl. 95-2.)



1. A sensitized film-material for kinematograph pictures having a two-color screen filter on one half width thereof and a single-color screen filter on the other half width.

1,736,555. MULTICOLOR CINEMATOGRAPH FILM. JOHN EDWARD THORNTON, West Hampstead, London, England. Filed Dec. 7, 1925, Serial No. 73,947, and in Great Britain Dec. 19, 1924. 3 Claims. (Cl. 95-2.)



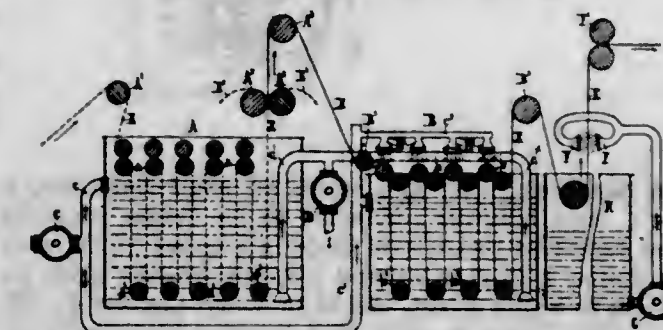
1. A process for photographically producing transparent positive pictures in mosaic-multi-color, which comprises combining two half-pictures each formed in two-color-mosaic, with the two colors of one different from the two colors of the other half-picture; the component images and colors of the complete picture being produced by means of a special form of sensitized material comprising three layers, viz.:—a double picture-area of transparent support, a double area layer of panchromatic gelatino-silver-bromide emulsion, and a double area layer of mosaic-colored sensitized colloid divided into two single areas each having two colors in mosaic pattern, but the two colors of one half being different from the two colors of the other half.

1,736,556. MULTICOLOR CINEMATOGRAPH FILM MATERIAL. JOHN EDWARD THORNTON, West Hampstead, London, England, assignor to John Owden O'Brien, Manchester, England. Filed Dec. 7, 1925, Serial No. 73,948, and in Great Britain Dec. 19, 1924. 4 Claims. (Cl. 95-2.)



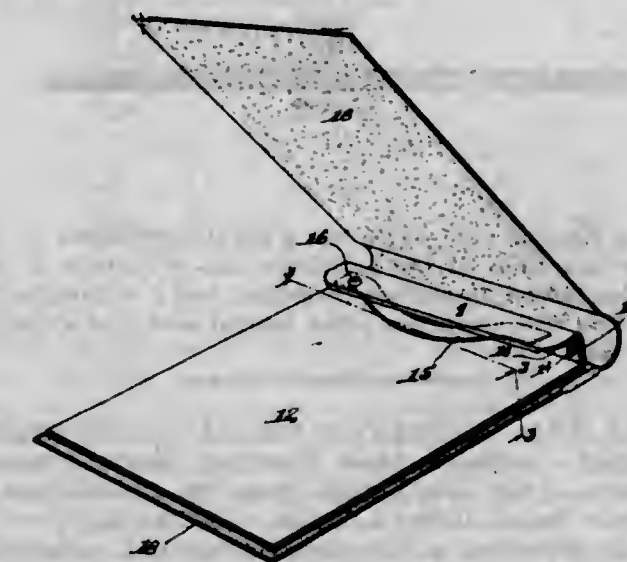
1. A double-width multi-color positive film material comprising a transparent support equal in width to two picture areas, a sensitized panchromatic gelatino-silver bromide emulsion layer upon one side of the transparent support and a non-sensitized multi-color colloid layer arranged in two half-widths upon the other side of the transparent support each half width comprising a mosaic pattern filter screen in two colors.

1,736,557. PROCESS AND APPARATUS FOR THE PRODUCTION OF RELIEF IMAGES ON CINEMATOGRAPH FILM STRIPS. JOHN EDWARD THORNTON, Jersey, Channel Islands, assignor to John Owden O'Brien, Manchester, England. Original application filed Mar. 27, 1927, Serial No. 174,945, and in Canada Mar. 17, 1927. Divided and this application filed Mar. 22, 1928. Serial No. 263,853. 6 Claims. (Cl. 95-88.)



1. A process for producing a series of colloid relief images upon a continuous film-strip, carried out as a continuous and automatic process, consisting in applying a solvent in a plurality of stages, the first stage removing most of the soluble colloid from the film-strip, and the next stage removing the remainder of the soluble colloid left on the film-strip after the first stage.

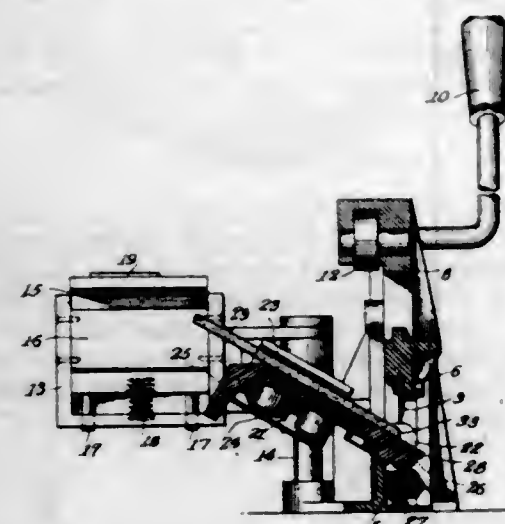
1,736,558. LOOSE-LEAF BINDER. CHESTER G. VAN BUREN, Chicago, Ill. Filed Nov. 4, 1926. Serial No. 146,110. 4 Claims. (Cl. 129-35.)



1. A binder comprising two angle members pivotally connected together at one end and detachably connected at the other.

their other ends to provide a rectangular shaped space for the reception of detached leaves of paper or the like, said space formed on three sides by said angle members and open on the remaining side; a leaf spring secured to one of said members to bear upon and bind leaves or the like in said space; and cover members connected with said angle members to protect leaves bound thereby, substantially as described.

1,736,559. COMBINATION BELT PUNCHING AND CUTTING MACHINE. EDWIN VOLLRATH, Easton, Pa. Filed Sept. 18, 1925. Serial No. 57,075. 4 Claims. (Cl. 164-14.)



1. A combined cutter and punch for belts comprising a frame, a table hingedly connected to the frame, a spring pressed detent to retain said table in angular adjustment to the frame, a fixed guide and a spring pressed guide on said table to locate a belt, means to clamp the belt on the table, a shear blade movable in a vertical plane with respect to the axis of the table hinge, a series of punches movable adjacently parallel to said shear blade, manual means for cooperatively actuating said shear and punches, and a pivoted mounting for said punches whereby they may be moved out of the path of said actuating means.

1,736,560. CIRCULAR SAW. IRL R. WALKER, Shreveport, La., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 31, 1929. Serial No. 336,495. 4 Claims. (Cl. 143-133.)

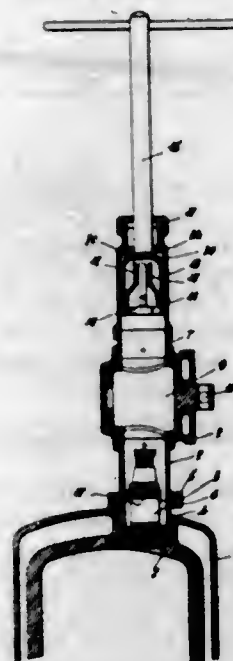


1. A circular saw which has a greater thickness at the center hole than at the periphery, has a surface on one side that slopes throughout its extent, and a surface on the other side that comprises a flat central zone and a sloping outer zone.

1,736,561. APPARATUS FOR REPLACING SPARK PLUGS. ACHILLE LEON FRANCOIS WATTEL, Sevres, France. Filed Aug. 1, 1927. Serial No. 209,848, and in France Aug. 2, 1926. 5 Claims. (Cl. 29-84.)

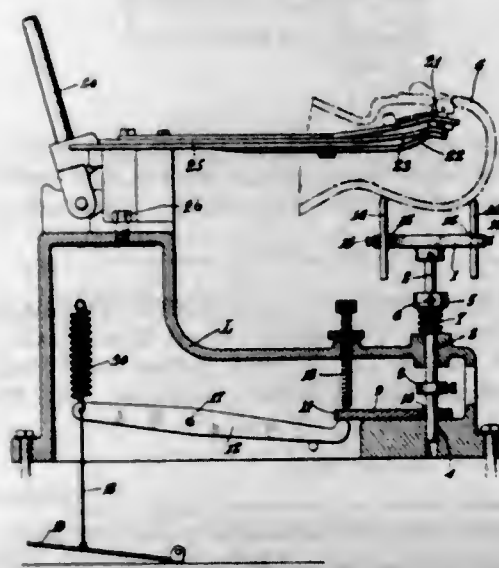
1. An apparatus of the character described, comprising a tubular spark plug holding member of which one end is attachable to a spark plug opening of an internal combustion engine, a conduit having one end detachably secured

to the other end of said member, manually operable means in said conduit for closing the passageway therethrough,



and means operable from the other end of said conduit for inserting a spark plug through said conduit and tubular member into said spark plug opening.

1,736,562. TOOL FOR USE IN ATTACHING EYE SETS IN DOLL HEADS. JOHN H. WILHELM, Long Island, N. Y., assignor to Markon Mfg. Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 26, 1927. Serial No. 215,626. 17 Claims. (Cl. 29-84.)

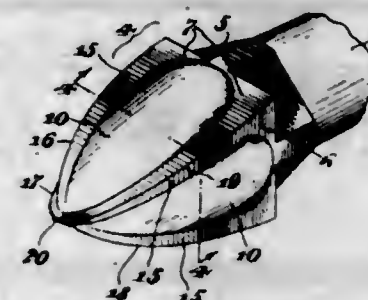


1. A tool for use in mounting eye sets in doll heads, comprising means for supporting the doll head, means for supporting the eye set with the eyes thereof within the eye openings of the head, and means manually operable to move the doll head with respect to the eye set to thereby adjust the eyes in said openings.

1,736,563. TOOTH FOR CRUSHING ROLLS. GEORGE W. WILMOT, Hazleton, Pa., assignor to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Mar. 26, 1927. Serial No. 178,555. 7 Claims. (Cl. 83-52.)

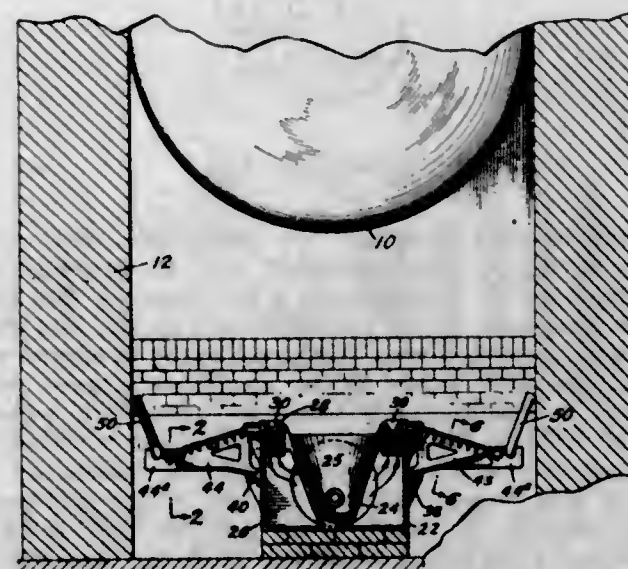
1. A tooth for a crushing roll comprising a body portion having four sides which converge to form the pen-

trating portion of the tooth, the edges between adjoining sides thereof constituting cutting edges, the outer end portions of two of which edges which occupy positions in opposed relation to each other being more sharply tapered toward the axis of the tooth than the corresponding por-



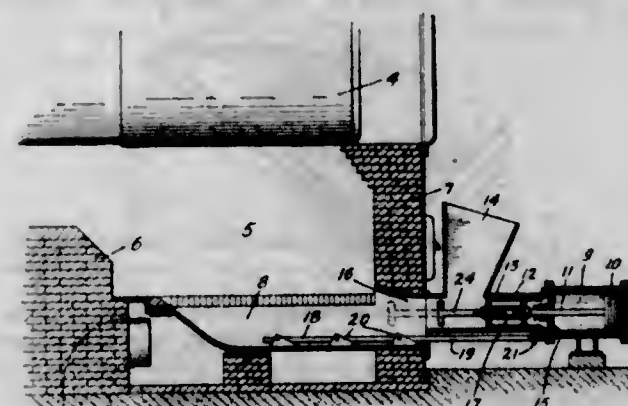
tions of the other two oppositely disposed edges, which latter edges merge into each other at their outer ends at a point which is further from the base of the tooth than the point at which the former of said edges merge with the said tooth and constitute an advanced penetrating portion of the tooth.

1,736,564. STOKER. WILLARD J. WOODCOCK, Brooklyn, N. Y. Filed Nov. 6, 1926. Serial No. 146,582. 3 Claims. (Cl. 110-47.)



1. In a furnace construction, a supporting structure comprising a plurality of separable vertical sections, grate bars removably supported by said supporting structure and extending outwardly therefrom, and side plates extending outwardly and upwardly from positions adjacent the outer edges of said grate bars for the purpose set forth.

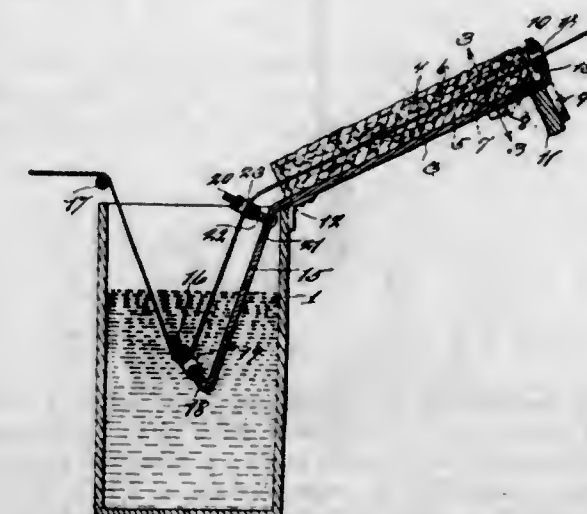
1,736,565. AUTOMATIC STOKER. WILLARD JAY WOODCOCK, Brooklyn, N. Y. Filed Jan. 31, 1927. Serial No. 164,698. 1 Claim. (Cl. 110-44.)



In a fuel stoker provided with a restricted fuel passage and a retort, a hopper, a reciprocating ram for advanc-

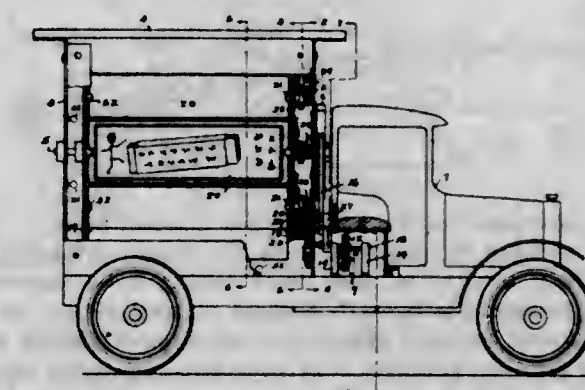
ing fuel from said hopper into said fuel passage, a reciprocating pusher formed with a projecting element for advancing fuel in said retort, and a double acting stirrer positioned between said ram and projecting element and movable in said fuel passage for agitating the fuel therein, and means for operating said ram, projecting element and stirrer, said ram, stirrer and projecting element having substantially successive paths of movement, outwardly of said passage, in said passage and inwardly of said passage respectively.

1,736,566. THREAD MOISTENER FOR HOSE OR STOCKING KNITTING MACHINES. ROBERT E. YORK, Philadelphia, Pa. Filed Sept. 10, 1927. Serial No. 218,718. 8 Claims. (Cl. 91-32.)



1. A silk thread moistener comprising a body with longitudinal side flanges, means for supporting the body in an operative slightly upwardly inclined lateral position on a moistening tank, whereby excess moisture may feed back into the tank the body having a depending part extending into the moisture in the tank and having guide eyes for the silk thread, and a pair of absorbent pieces mounted on the body, and through which the silk thread passes.

1,736,567. DISPLAY DEVICE. CLIFTON W. ARNOLD, Houston, Tex. Filed Jan. 28, 1927. Serial No. 164,240. 3 Claims. (Cl. 40-33.)



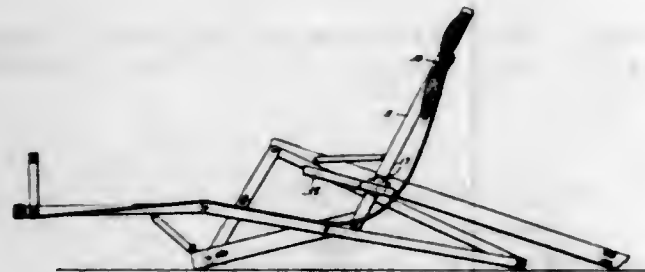
1. A display device including a support, a rotatable frame mounted on said support, a display member rotatably mounted in the frame and revolvable about the axis of the frame, a releasable dog carried by the frame and normally locking the display member against rotation on its axis, means carried by the support arranged to successively release said dog, as the frame rotates, to permit the display member to rotate on its axis, and operative connections carried by the support and display member respectively effective to impart partial rotations to the display member when said locking dog is released.

1,736,568. LEAD CLUTCH FOR MECHANICAL PENCILS. WILLIAM G. AULMANN, Los Angeles, Calif. Filed Apr. 10, 1928. Serial No. 268,949. 2 Claims. (Cl. 120-9.)



1. The combination in a fountain lead pencil, a barrel having a pointed end, a head, a lead carrying tube secured to the bore of the barrel and having a threaded end, of a lead clutch comprising an upper section in which the tube is screwed and a lower section which is tapered, slotted and compressed to receive and hold by friction a longitudinally movable lead and which has a loose joint connection with the upper section of the clutch.

1,736,569. COMBINED ARM REST AND PROP. ARTHUR F. BAILLY, Yardville, N. J. Filed Mar. 29, 1928. Serial No. 265,608. 1 Claim. (Cl. 155-117.)

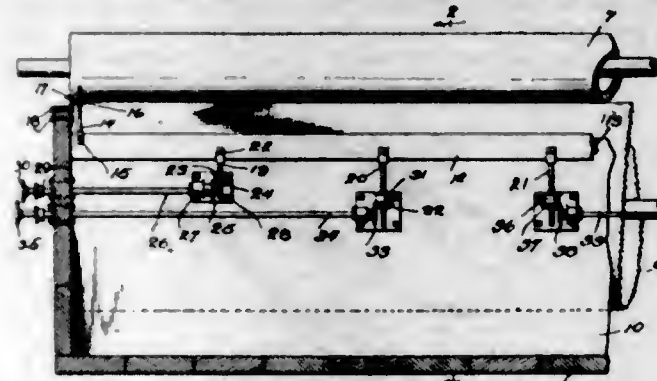


The combination in a chair, of a seat back, a plate fixedly secured to the seat back, an arbor extending laterally from said plate, said plate having holes therein arranged concentrically with respect to said arbor, an arm rest mounted on said arbor for rocking and sliding movement, a stud on said arm rest, said arm rest being movable to different angular positions by reason of the fact that it may be rocked on the arbor, and said stud being receivable in either one of said holes by reason of the fact that the arm rest may be slid on said arbor, said stud when received in one of said holes serving to prevent rocking movement of the arm rest.

1,736,570. PAPER-MAKING MACHINE. JOHN D. BEATTY, Los Angeles, Calif. Filed Sept. 5, 1928. Serial No. 304,006. 4 Claims. (Cl. 92-43.)

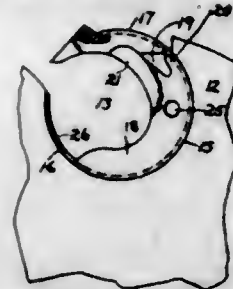
1. In a papermaking machine, a stock vat, a forming cylinder in said vat, a weir adjacent said cylinder, a flex-

ible continuous and reinforced weir strip mounted at the top of the weir, adjustable means for supporting the ends



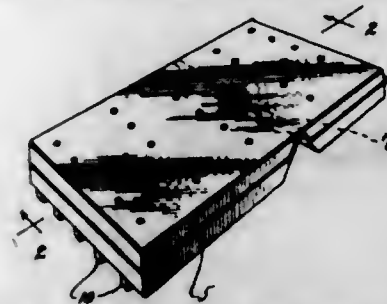
of the weir strip, and means engaged with the lower edge portion of the weir strip at suitable intervals for locally raising and lowering the upper edge of the weir strip.

1,736,571. SAW. DANIEL BEISINGER, New York, N. Y. assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 21, 1926. Serial No. 136,821. 1 Claim. (Cl. 143-151.)



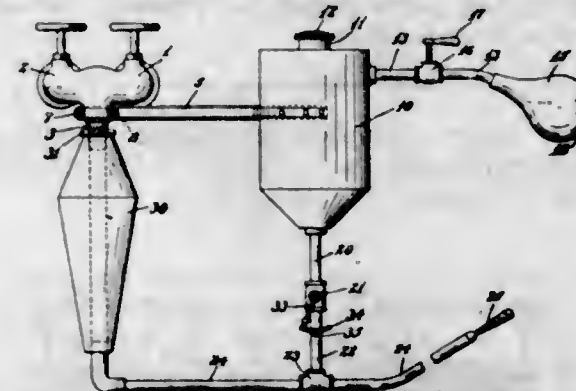
In an inserted tooth saw, the combination with a saw blade having a socket provided with an inwardly projecting ridge, of a shank and a bit having a saw tooth adapted to fit in and be rotated in said socket, said shank and said bit each having a groove adapted to engage with said ridge, said shank having a uniform curved gullet defining boundary and a recess in its portion adjacent said bit whereby the upper end of said shank is bifurcated, the upwardly projecting member formed thereby on the side of said recess nearest the centre of the said socket being adapted to engage with said bit and being of continuously tapered construction from its base portion, said base portion being broader than any portion above said base, said member being strengthened by being laterally thickened toward the gullet face which thickening extends with the curve of the shank substantially beyond the bottom of the bifurcating recess, whereby a spring fork is formed adapted to resist without breakage the inward stress of the lower end of said bit during the operation of the saw.

1,736,572. FLOOR MAT FOR AUTOMOBILES. CHARLES C. BERG, Detroit, Mich. Filed Sept. 29, 1928. Serial No. 138,415. 3 Claims. (Cl. 296-1.)



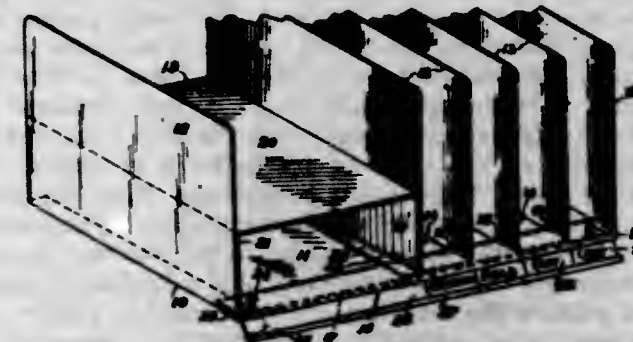
1. A floor mat for automobiles comprising a pair of spaced slabs, a fabric covering therefor, the fabric covering being stitched between the slabs to form a flexible joint permitting angular movement of one slab relatively to the other, and reinforcing strips engaging the lower face of such covering below both slabs and extending from front to rear of the slabs.

1,736,573. AUTOMATIC SYRINGE. BERTRAM E. BESSER, Wareham, Mass. Filed Mar. 8, 1927. Serial No. 173,766. 1 Claim. (Cl. 128-229.)



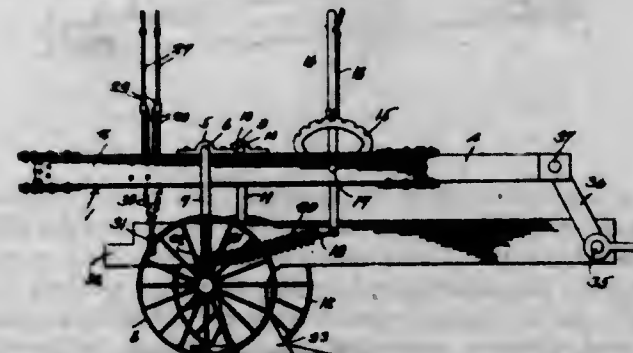
An automatic syringe, comprising a container adapted to receive a medicinal solution in the lower part, and with an air pressure creating attachment secured to the upper part comprising a hand air pressure creating bulb and a valve interposed therebetween, means to support said container from the water supply member and spaced laterally therefrom, a conduit adapted to be attached to said water supply, means between the container and said conduit including a regulating valve to predetermine the supply of solution under pressure from said container to said conduit, and an air tight opening into said container.

1,736,574. DESK FILE. SQUIRE BINKS, Toronto, Ontario, Canada. Filed May 5, 1928. Serial No. 275,455. 1 Claim. (Cl. 211-11.)



In a desk file, a body composed of a flat bottom having upturned ends, a series of transverse divisions forming separate compartments, flanges projecting laterally from the lower edges of the divisions so as to rest flat upon the said body bottom, the said divisions having their vertical edges notched immediately adjacent to their flanges, channel members fitting over the frontal and rear edges of the body bottom and into the division notches so as to bear upon the flanges thereof, screws projecting through apertures in the body bottom and channel members, feet threadedly engaging said screws, a lengthwise index plate, and a flange integral therewith, said flange being fitted between the frontal channel member and the associated feet by the provision of slots to accommodate the screws.

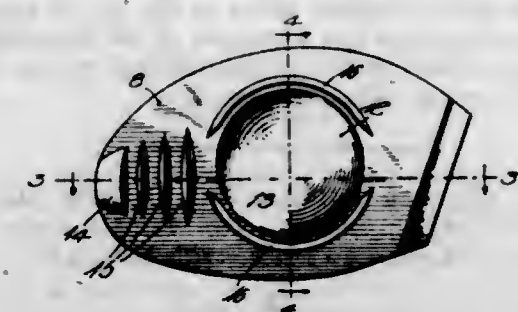
1,736,575. ROAD PLOW. WILLIAM A. BONNEL, Cambridge, Kans. Filed Nov. 12, 1928. Serial No. 318,783. 2 Claims. (Cl. 97-90.)



1. In a device of the class described, a truck including a body, transverse shafts spaced apart longitudinally of

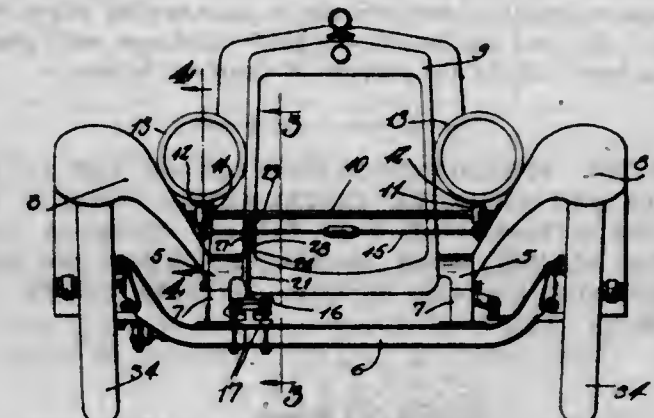
the truck and mounted to rock on the body, each shaft having a depending arm, ground wheels journaled on the arms and located at opposite sides of the truck, the center of rotation of one ground wheel being slightly in advance of the center of rotation of the other ground wheel when both of the arms are in vertical depending parallel relation, a plow beam disposed below the body, means for pivotally connecting the forward end of the plow beam to the forward end of the body, a share carried by the plow beam and disposed adjacent to the wheels, means mounted on the body and assembled with the rear end of the beam for moving the beam and the share transversely of the line of advance of the truck, and mechanism for raising and lowering the wheels with respect to the share, said mechanism being connected to the arms and including actuating means under the control of an operator and mounted on the body.

1,736,576. ELASTIC SHOE SOLE. GEORGE W. CABLE, Marysville, Calif. Filed Dec. 13, 1928. Serial No. 325,807. 3 Claims. (Cl. 36-32.)



1. An elastic shoe sole having a boss occupying substantially the central portion of its lower side, said boss being of a diameter approximately two-thirds the width of the sole and having a concave lower side, the upper side of said sole being provided with a convex formation over and co-extensive with said boss.

1,736,577. HEADLIGHT-CONTROLLING DEVICE. BLAISE CASTIGLIA, Bronx, N. Y. Filed Nov. 4, 1927. Serial No. 281,072. 6 Claims. (Cl. 240-62.)

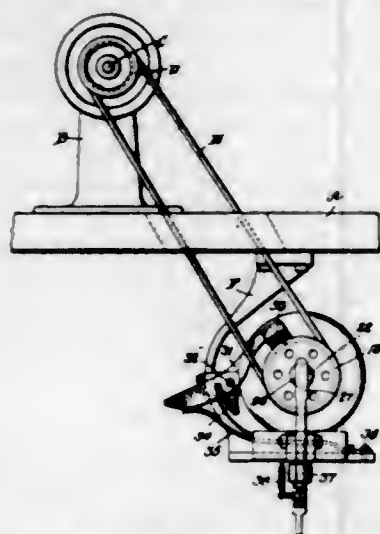


1. In combination, a vehicle having steering wheels, a tie rod therefor, a rigid transverse brace rod, and having dirigible headlights mounted on said brace rod, and having forwardly projecting crank arms, a rod connecting said arms, a driving gear mounted on the axle of the vehicle and having an operating arm connected to the tie rod, a driven gear smaller than and meshing with the driving gear, and operating connections between the driven gear and said connecting rod.

1,736,578. SPEED-CONTROL PULLEY. JOSEPH CRUDNER, New York, N. Y. Filed Jan. 24, 1928. Serial No. 249,122. 11 Claims. (Cl. 192-11.)

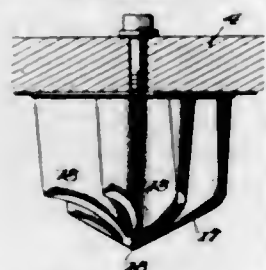
2. A pulley, including a hub, a tread element loosely mounted upon said hub, and peripheral flange sections

associated with the tread element connected with the hub for rotation therewith and for relative axial movement with respect to each other, whereby upon relative separa-



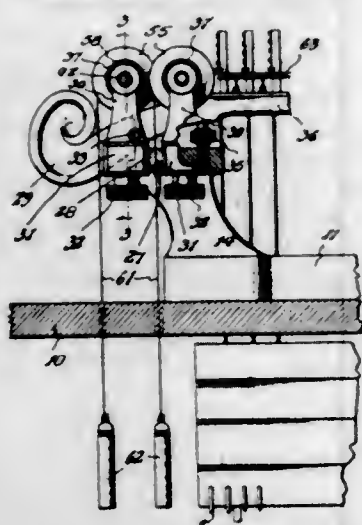
tion of the flange sections, idling of the belt is permitted and whereby upon relative movement of the flange sections toward each other, gripping and driving of the belt is effected at varying rates of speed.

1,736,579. DIE FOR IMPRINTING PLASTIC MASSES. MEYER COLLIS, Philadelphia, Pa. Filed Oct. 15, 1926. Serial No. 141,840. 2 Claims. (Cl. 107-8.)



1. A die comprising a core, a plurality of blades carried by the core in the direction of the axis and extending therefrom in curvilinear directions, said blades being level with the core at one end and being relatively thick and being relatively thin at the opposite ends and sloping to a point centrally of the core, and a plate applied to the die across the level portions of the blades and core, said plate being separable for the purpose of cleaning the die.

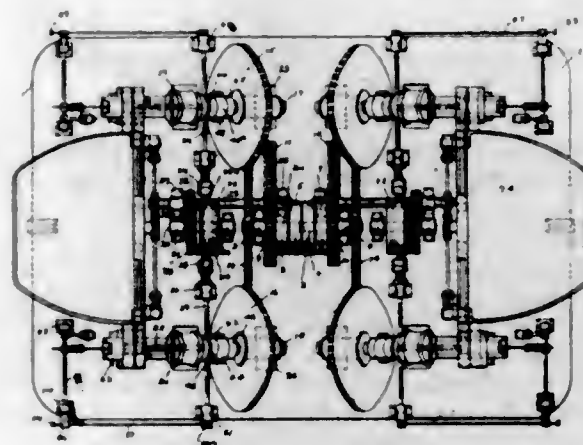
1,736,580. SPRING-TENSIONING DEVICE FOR SELF-PLAYING STRINGED INSTRUMENTS. CHARLES P. CORWIN, Brownwood, Tex. Original application filed Mar. 16, 1927, Serial No. 175,782. Divided and this application filed Feb. 28, 1928. Serial No. 257,661. 6 Claims. (Cl. 84-312.)



2. In a self-playing musical instrument, the combination of a body, supports for the same, strings mounted above

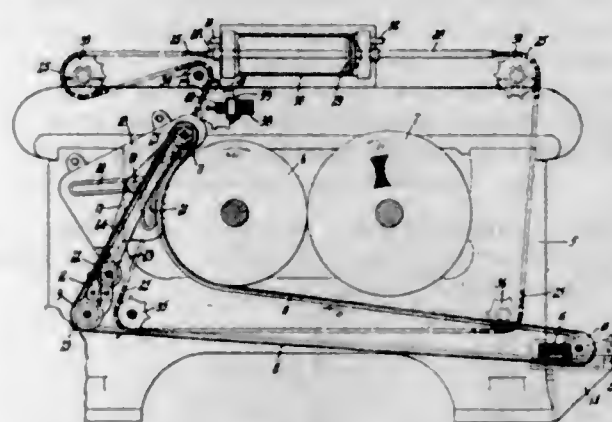
the body, expansible pulleys carried by the body supports, pegs disposed axially of said pulleys and carried thereby and having the strings attached to and wound thereon, and means attached to the pulleys for yieldably maintaining the tension in the strings.

1,736,581. NUT-TAPPING MACHINE. WILLIAM A. CREHAN, Pittsburgh, Pa. Filed Dec. 2, 1925. Serial No. 72,726. 7 Claims. (Cl. 10-139.)



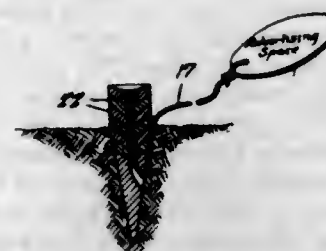
2. In an automatic nut tapping machine the combination of a reciprocating spindle, a chuck carried by the spindle, a tap having a shank extending into said chuck, stationary means arranged to cooperate with the chuck during advancement and retraction of the spindle to cause the chuck to engage different portions of the tap shank in different positions of the spindle and chuck a ram arranged to position a nut blank until the blank has been contacted by the spindle at the limit of its forward movement, an actuating shaft, independent connections from the actuating shaft to the spindle and to the ram for advancement and retracting the spindle and actuating the ram, means for oscillating the actuating shaft, and a resiliently maintained joint in the actuating shaft arranged to yield when resistance to the oscillation of the shaft is encountered.

1,736,582. APRON CONVEYER. JAMES HADDON DAVIDSON, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed June 1, 1927. Serial No. 195,791. 14 Claims. (Cl. 18-2.)



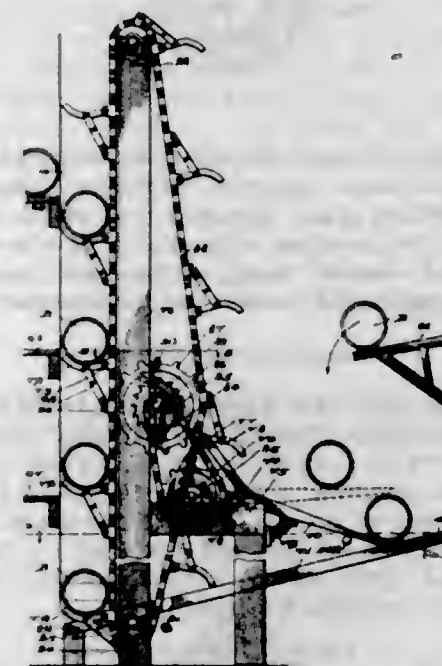
1. A conveyer having, in combination, a pair of grinding rolls, an endless belt adapted to redeliver to said grinding rolls material deposited thereon by said rolls, a roller over which said belt travels, said roller holding said belt continually in frictional contact with one of said grinding rolls, and means to move said roller to change the position of the axis thereof, whereby the material may be discharged by said belt away from the grinding rolls.

1,736,583. GOLF TEE. ULRIC C. DRIKE, Washington, D. C. Filed Mar. 2, 1928. Serial No. 258,654. 2 Claims. (Cl. 273-38.)



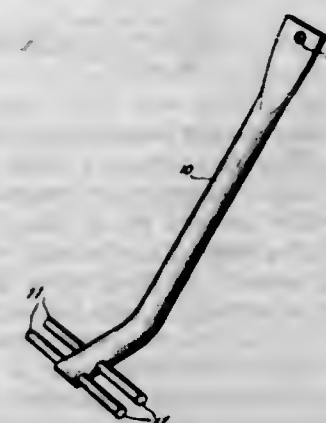
1. A golf tee comprising a ground penetrating section having a recess in its upper end defining a seat, a ball supporting section, an extension at one end of the ball supporting section for engagement within the seat, and a flexible member having one end engaged with the ball supporting section and slidingly connected with the ground engaging section.

1,736,584. ELEVATOR. FEDERICO G. DIAGO, Habana, Cuba. Filed July 28, 1926. Serial No. 125,492. 7 Claims. (Cl. 198-85.)



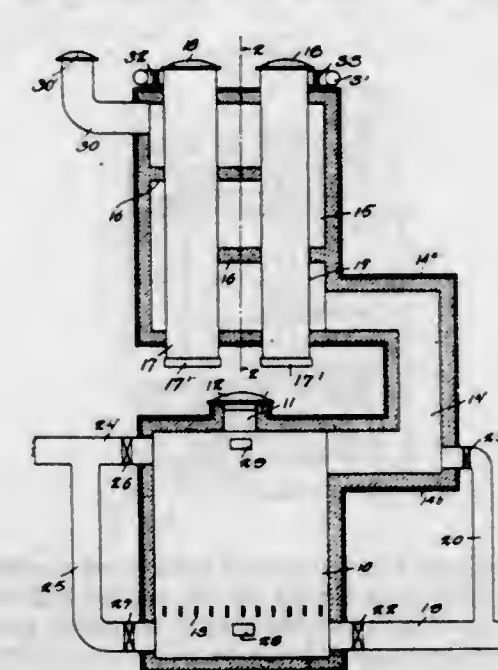
1. Apparatus of the character described comprising a normally stationary elevator having object supports, a lever upon one end of which objects to be elevated are dropped, and means at the other end of the lever for operating the elevator by the force of the dropped objects.

1,736,585. BENDING TOOL. FRED R. FUEHLHABER, New York, N. Y. Filed July 31, 1928. Serial No. 296,543. 1 Claim. (Cl. 140-117.)



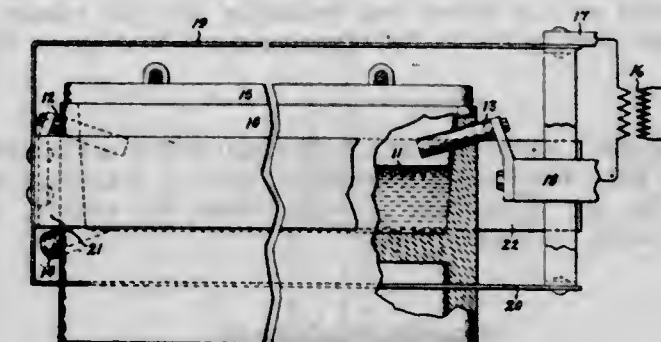
A bending tool comprising a rigid element, and pairs of equally spaced rigid work engaging and bending members rigidly secured to and extending laterally from and disposed respectively at opposite sides of one end of said element.

1,736,586. GAS-GENERATING APPARATUS. EDWARD L. FISCHER, Davenport, Iowa. Filed Feb. 2, 1926. Serial No. 85,562. 1 Claim. (Cl. 48-73.)



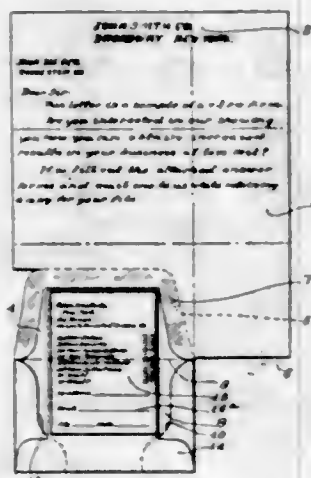
A gas generating apparatus having in combination, a water gas generator, a retort chamber arranged above the same, a plurality of retorts arranged in parallel series within the retort chamber with their upper and lower ends extending respectively through and above the top and bottom of the retort chamber, displaceable means normally closing the upper ends of the retorts, displaceable means normally closing the bottoms of the retorts, a gas conducting pipe having branches communicating with the retorts at their projecting upper ends, a valve in each branch, an outlet from the retort chamber, a conduit having horizontal legs establishing communication between the upper portion of the water gas generator and the lower portion of the retort chamber and having a section constituting a combustion chamber, means for delivering a blast of air into the water gas generator at the lower portion thereof below the mass of carbonaceous material in process of combustion therein, means for delivering a blast of air into the conduit at the lower leg of the said section constituting the auxiliary combustion chamber, means for delivering steam into the water gas generator at the lower portion thereof, means for delivering steam into the water gas generator at the upper portion thereof, and water gas outlets leading from the water gas generator at the upper and lower portions thereof.

1,736,587. ELECTRIC FURNACE. JOHN J. FRANK, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 21, 1927. Serial No. 241,682. 4 Claims. (Cl. 286-1.5)



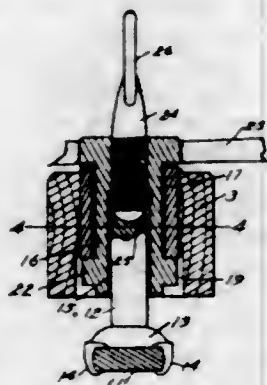
1. The combination with an electric furnace, of electrical connections for a single terminal of said furnace comprising a plurality of conductors distributed along a plurality of the walls of said furnace in close proximity thereto.

1,736,588. SOLICITING SHEET. LOUIS GALTER, Rochester, N. Y. Filed Mar. 7, 1925. Serial No. 13,908. 5 Claims. (Cl. 229—92.1.)



1. A soliciting sheet having a completely formed return envelope in one piece therewith, the sealing flap being connected at its edge to the sheet by a weakened portion and the envelope being provided with an exposed answer form on the inner face of the sealing flap and the inner face of the front wall of the envelope.

1,736,589. WRINGER. EARL V. GODFREY, Girard Township, Erie County, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed June 16, 1928. Serial No. 285,978. 2 Claims. (Cl. 68—32.)



1. In a wringer, the combination of a frame comprising side stiles having bearing-receiving slots therein and a top bar secured to the side stiles; wringer rolls; bearings for the upper wringer roll arranged in said slots; a tension spring resting on said bearings; a fixed sleeve on the top bar; a releasing sleeve slidably mounted in the fixed sleeve, one of said sleeves having a slot and the other a shoulder, the shoulder passing through the slot to release the sleeve and being adapted to lock the same when the shoulder and slot are out of register; a pin secured on the spring and extending into the releasing sleeve; and means in the releasing sleeve bearing on the pin.

1,736,590. ELECTRICALLY-HEATED BELT AND THE LIKE. WALTER D. GRAHAM and PAUL C. PALFYN, Chicago, Ill. Filed May 9, 1927. Serial No. 190,015. 2 Claims. (Cl. 128—254.)



1. As a new article of manufacture a therapeutic belt or the like comprising a relatively long and narrow heating element composed of a woven fabric together with suitable heating wires loosely woven therewith the

strands of said heating element extending back and forth lengthwise of said heating element, said strands being capable of slight displacement lengthwise with respect to the heating element, together with suitable facings for the two faces of said heating element, said facings being connected to the end portions of the heating element, and suitable attaching means also connected to the end portions of the heating element beyond the positions of the wires therein, whereby the strains of tension in the heating element are absorbed by the fabric of the heating element independently of any strain on the heating wires due to the lengthwise displacability of the wires in the heating element, substantially as described.

1,736,591. ARTICLE HOLDER. STEPHEN A. GREGORY, Stamford, Conn. Filed July 16, 1928. Serial No. 293,102. 2 Claims. (Cl. 24—249.)

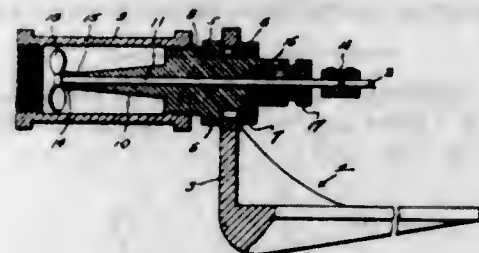


2. A device of the class described comprising a member formed of resilient material having an opening therein formed with an upper V-shaped part and a semi-circular lower part for receiving a handle of an object to be supported, said member being endless and means whereby the upper end of the member can be attached to a wall.

1,736,592. PROCESS FOR THE MANUFACTURE OF COTTON YARN AND IMPROVED PRODUCT. EUGENE C. GWALTNEY, Laurel Hill, N. C. Filed July 9, 1927. Serial No. 204,540. 6 Claims. (Cl. 19—145.)

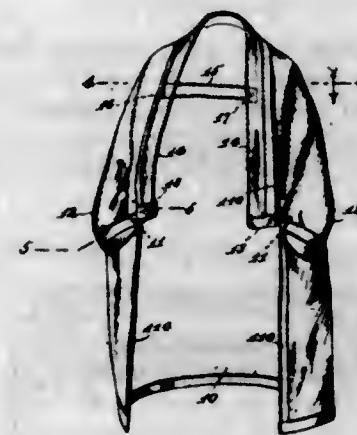
1. An improved process in which the carded and combed cotton slivers or rovings are combined in the formation of a thread, yarn, twine or cord, to give an increased strength to resulting product.

1,736,593. CIRCULATING DEVICE. FRANKLIN M. HARM, Rochester, N. Y. Filed Apr. 2, 1928. Serial No. 266,752. 1 Claim. (Cl. 103—89.)



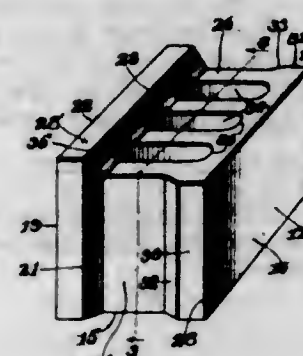
A fluid circulating device comprising in combination, a T-shaped fitting through which a fluid is adapted to flow, an angular motor supporting bracket, the vertical wall of said angular bracket being formed with an enlarged opening, a plug extending through the plug on the bracket, the inner end of the plug being threaded in one end of the T-shaped fitting, a reduced extension formed on the inner end of the plug for disposition within the fitting, a driven shaft extending through the plug and said extension, a drive shaft for connection with the outer end of the driven shaft, a propeller secured on the inner end of the driven shaft for rotation in the fitting adjacent the end of the fitting opposite that in which the plug is disposed, said last mentioned end forming the outlet, the leg portion of the T-shaped fitting providing the inlet.

1,736,594. GARMENT. BESSIE J. HART, Cranford, N. J. Filed Aug. 4, 1928. Serial No. 207,491. 2 Claims. (Cl. 2—88.)



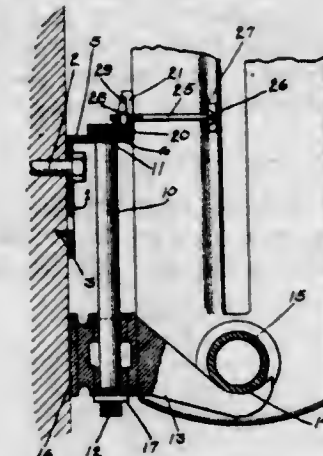
1. In a convertible article adapted to be given a plain rectangular form or to be converted into a garment, a piece of fabric, a pair of fastener elements on each side edge of one side of the garment, said fastener elements being remote from the top and bottom edges of the fabric and spaced from each other, said fastener elements engageable to form sleeves in the fabric, and a pair of fastener elements on each edge of the fabric on the side opposite said first mentioned fasteners and adjacent thereto, said last mentioned fasteners when engaged holding the fabric in the form of a collar, said fastening elements being positioned to form angularly disposed sleeve cuffs in the front edge of the garment at the lower end of the collar.

1,736,595. BUILDING BLOCK. CLARENCE C. HEINZMANN, Marion, Ind. Filed June 18, 1928. Serial No. 286,186. 2 Claims. (Cl. 72—41.)



1. A building block comprising a rectangular body having a boss integral and coextensive with the forward portion of the top thereof, said boss having its top face uninterrupted throughout and squared, its outer side face flush with the outer side face of said body and its rear side face beveled throughout from said top face to the top of said body, said boss of a width in transverse cross section to have its rear side face positioned between the outer side and longitudinal median of said body, the bevel of the rear side face of said boss extending from its bottom towards the outer side face of said body whereby the said top base is of less width than the bottom of the boss, and said body formed with spaced, parallel, vertical openings disposed at right angles to the length of the boss, each of said openings having the major portion thereof of the same height as that of said body, and each of said openings extending from a point intermediate the top and bottom of said beveled rear side face to a point in proximity to the rear side face of said body.

1,736,596. RADIATOR HANGER. EDWARD L. HESSEL, Minneapolis, Minn., assignor to Little Giant Manufacturing Co., Minneapolis, Minn., a Corporation of Delaware. Filed Jan. 20, 1928. Serial No. 248,103. 1 Claim. (Cl. 248—17.)



A bracket, a hanger including a rod, a nut securing the rod, said nut having a recess into which a bolt shank can be dropped, said recess including a pocket within which a nut threaded on the bolt, is received when the bolt is translated outwardly and when so received is prevented from rotation when the bolt is rotated.

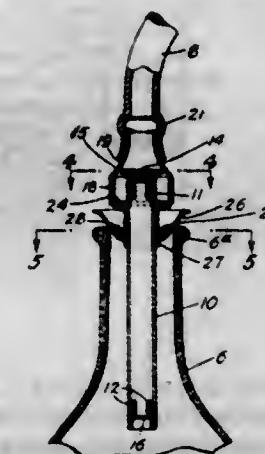
1,736,597. TRANSFER AND METHOD OF PROTECTING AND DECORATING SURFACES. CONNAN DOYLE HIGGINSON, Los Angeles, Calif. Filed Sept. 16, 1925. Serial No. 56,649. 12 Claims. (Cl. 41—17.)



3. The method of treating and decorating cellophane comprising coating a smooth surface with oil, applying to such surface a strip of cellophane moistened with water, smoothing said strip to eliminate all bubbles, then treating said strip with a solution of acetic acid, glue and gelatin, then allowing said solution to dry, and then decorating said strip.

8. An article of manufacture comprising a strip of cellophane forming a base member; strips of colored cellophane secured to said base member; and a covering strip of cellophane secured to said colored strips of cellophane.

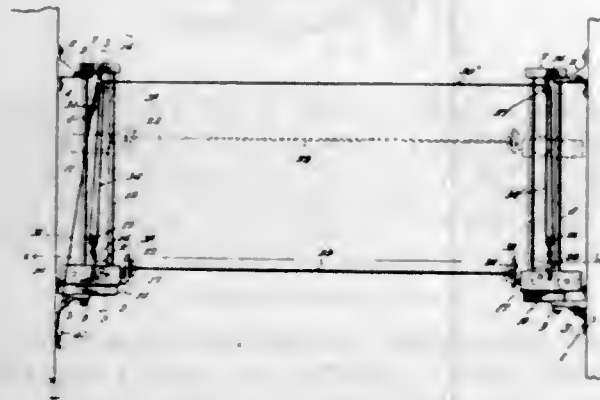
1,736,598. BOTTLE-FILLING DEVICE. FRANK S. HYATT, New York, N. Y., assignor to Brass Goods Mfg. Co., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 20, 1927. Serial No. 214,241. 2 Claims. (Cl. 226—124.)



1. In a bottle filling apparatus, a tubular body portion formed with an enlargement adjacent the upper end there-

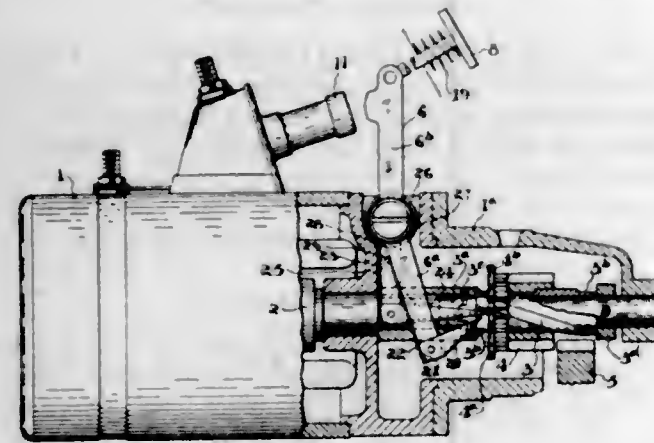
of and with an opening beneath the same, a drain cup mounted on said body portion, and a movable head slidable with respect to said body portion and provided with a sealing portion movable past said openings and into sealing relation with said enlargement, said movable head being formed of separate sheet metal shells normally held in secure frictional engagement, one of said shells including a cylindrical supporting portion constructed for slidably supporting said tubular body portion the other of said shells being formed with a hose receiving nipple.

1,736,599. DEVICE FOR ELEVATING LINES. JOHN TONGUE HUGHES, New York, N. Y. Filed May 3, 1928. Serial No. 274,954. 4 Claims. (Cl. 58—3.)



4. The combination with pairs of upper and lower brackets, of blocks engaged upon the brackets, a pair of rods connecting the blocks, frames slidable on the rods, means associated with one rod of each pair for holding the associated blocks in various angles of adjustment upon the associated brackets, a line stretched between the frames and having its ends secured thereto, and means for simultaneously raising and lowering the frames.

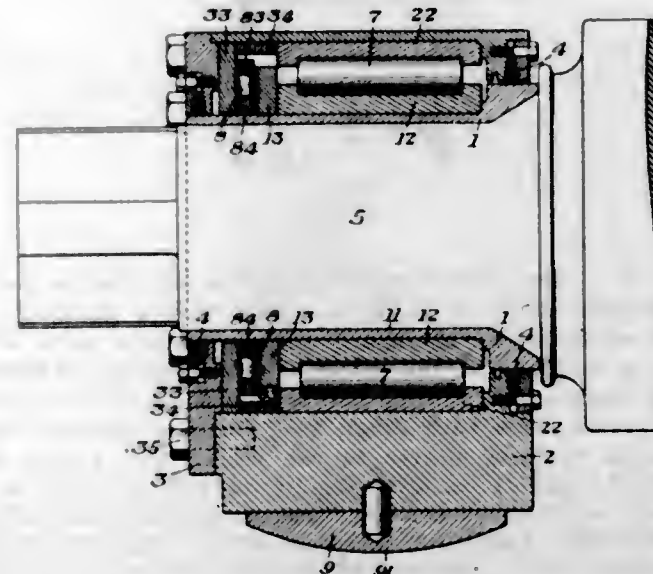
1,736,600. STARTER FOR ENGINES. MAUNSELL B. JACKSON, Toronto, Ontario, Canada. Filed Feb. 11, 1926. Serial No. 57,647. 12 Claims. (Cl. 74—7.)



1. An engine starter drive including a rotatable shaft; a starter pinion mounted thereon for rotary movement therewith and for longitudinal movement thereof to mesh with a gear of the engine to be started; and manually operable means including two fingers, one finger being adapted to cause such longitudinal movement of the

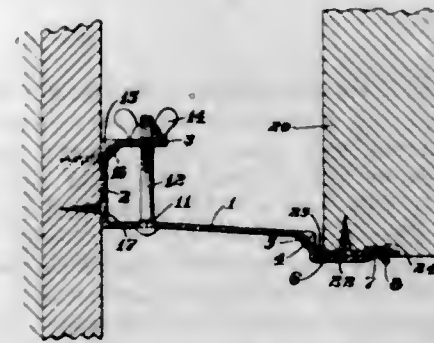
starter pinion, the other finger being adapted to cause a rotary movement of the pinion during its longitudinal movement towards the meshing position if the teeth on the latter meet end to end with the teeth on the gear.

1,736,601. BEARING FOR THE ROLLS OF ROLLING MILLS. LLOYD JONES, Long Beach, N. Y. Filed May 14, 1927. Serial No. 191,352. 2 Claims. (Cl. 308—174.)



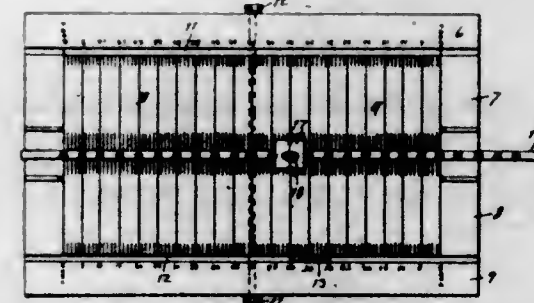
1. A bearing unit for a roll including two concentrically arranged essentially cylindrical cage members elsewhere spaced apart but meeting at one end, and a third cage member of essentially annular shape closing the other-wise open space between the two members first named, the said third cage member being removably and rigidly borne by the outer of the two cage members first named, seats formed in the opposite faces of the two cage members first named, races mounted on said seats, the third cage member cooperating to hold the races to their seats, and rotary bearing members arranged between said races.

1,736,602. DOORCHECK. JOSEPH E. KENERSON, Cliftondale, Mass. Filed July 26, 1927. Serial No. 208,586. 7 Claims. (Cl. 292—76.)



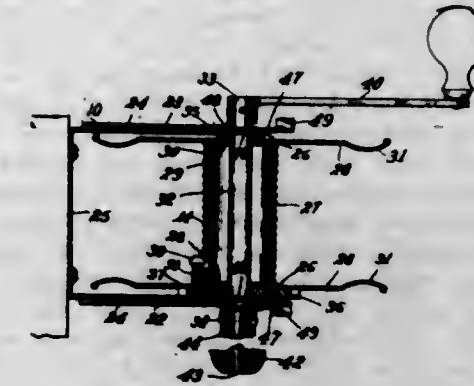
1. A door check comprising a wall engaging portion, a projecting spring member, a door catch associated with said spring member and automatically operable to catch or release said door, means on said door cooperating with said catch, and means to prevent disalignment of said catch from said spring member.

1,736,603. GAME. MARSHALL R. KENNEDY, San Francisco, Calif. Filed Feb. 4, 1928. Serial No. 251,905. 4 Claims. (Cl. 116—120.)



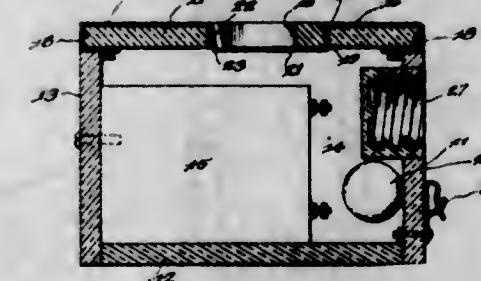
1. In a game board, a base having numerical indicia positioned thereon, a slide rule positioned on said board, numerical indicia carried by said slide rule, the indicia on said slide rule being oppositely disposed from that on said game board.

1,736,604. REEL. FRANK E. KONCANA and CLARENCE H. SCHAEFER, Cleveland, Ohio. Filed Jan. 19, 1927. Serial No. 162,147. 6 Claims. (Cl. 242—100.)



5. A reel comprising a central tubular spacer, sides seating against the ends of said tube, a shaft extending through said tube, means fixed to said shaft outside said sides for holding the same in assembled relation, a ratchet wheel secured to said shaft adjacent one of said sides, a rivet locking the wheel to said side, and an inward projection on said rivet extending closely parallel to the tubular spacer between which two latter members the end of a line may be secured to the reel.

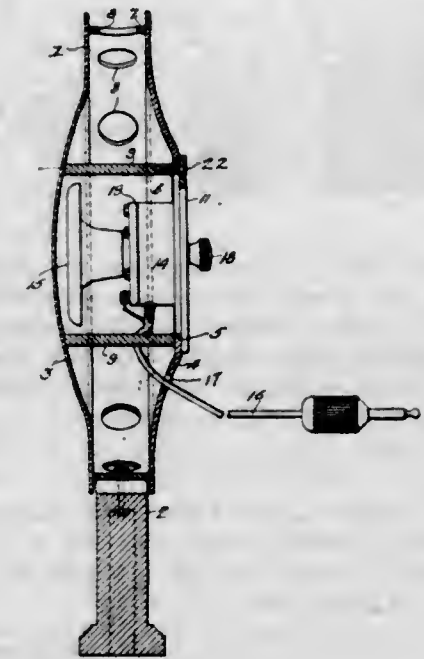
1,736,605. TESTING DEVICE. FRANK E. KREFT, Chicago, Ill. Filed Nov. 27, 1925. Serial No. 71,790. 1 Claim. (Cl. 175—183.)



In a testing device a wall having an opening formed therein, a contact strip extending along one side of said wall and having a portion extending into said opening, another contact strip extending along said side of said wall including a portion extending through said wall and disposed to extend along the opposite side thereof

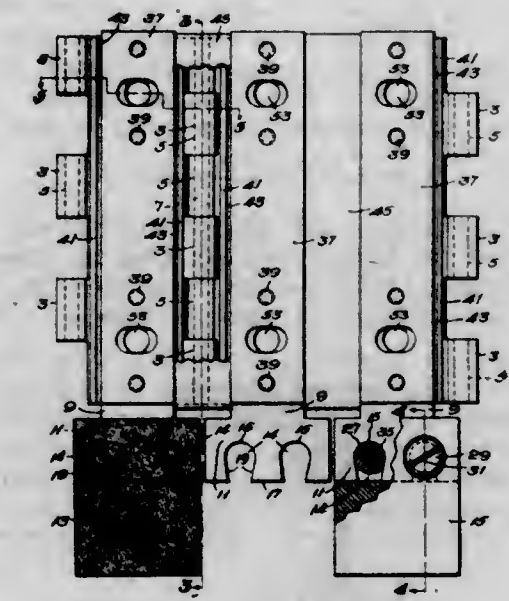
across said opening, said portions of said strips disposed adjacent said opening being disposed in spaced relation to each other.

1,736,606. SOUND-REPRODUCING AMPLIFIER. NICHOLAS LALLI, Philadelphia, Pa. Filed Apr. 22, 1926. Serial No. 103,866. 3 Claims. (Cl. 181—31.)



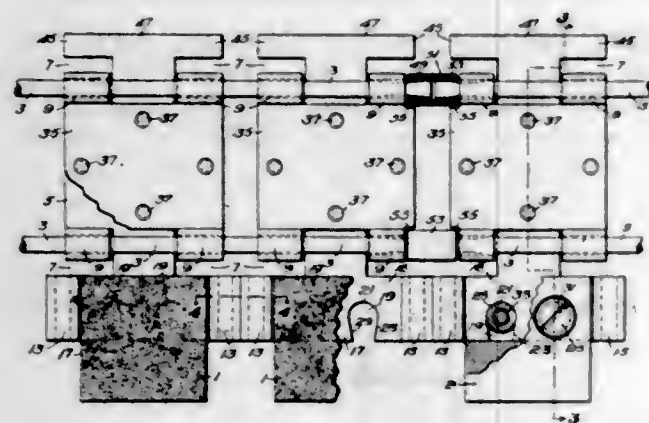
1. A sound reproducing amplifier comprising a casing having front and rear plates of wood co-extensive therewith, the front plate being dished outwardly and the rear plate having a central opening, and an annular strip extending between said plates.

1,736,607. SAW. PETER S. LEGGE, Somerville, Mass. Filed Jan. 27, 1927. Serial No. 164,070. 4 Claims. (Cl. 125—21.)



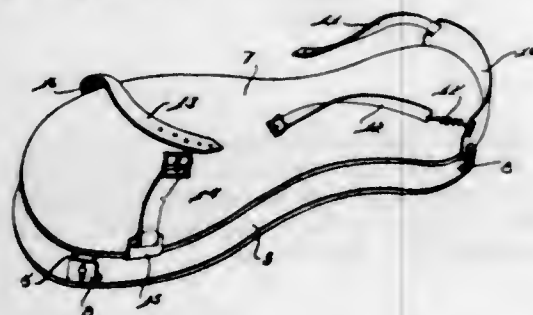
1. A saw comprising, in combination, a chain formed of thin plate like members and having a pulley engaging facing of resilient material, and cutting teeth carried by said members adapted to form a saw cut of greater width than the thickness of said chain.

1,736,608. SAW. PETER S. LEGGE, Somerville, Mass. Filed Jan. 27, 1927. Serial No. 164,071. 6 Claims. (Cl. 125-21.)



1. A saw having, in combination, an elongated flexible member, a row of saw teeth, means operatively supporting said teeth in spaced relation on said flexible member comprising separate tooth-carrying-members threaded on said flexible member, adjacent tooth-carrying-members having abutting portions in rolling contact.

1,736,609. FOOT ATTACHMENT. ORVILLE L. LETOURNEAU, Detroit, Mich., assignor to Guy M. Leach, Detroit, Mich. Filed Aug. 29, 1928. Serial No. 302,745. 4 Claims. (Cl. 36-28.)



1. A foot attachment of the class described, comprising: a foot engaging member; a tread member in spaced relation thereto; a slidable member for connecting said foot engaging member and said tread member; a leaf spring mounted on the undersurface of said foot engaging member and having its ends angularly turned for extending downwardly toward said tread member; and wear plates on said tread member, each of said wear plates engaging, upon approach of said foot engaging member to said tread member, the angularly turned ends of said spring.

1,736,610. METHOD OF MANUFACTURING HIGH-PRESSURE BOILERS. STEPHAN LÖFFLER, Charlottenburg, Germany. Filed Mar. 28, 1925, Serial No. 19,174, and in Germany Apr. 11, 1924. 4 Claims. (Cl. 29-157.4.)



1. A method of manufacturing high pressure steam boilers consisting in heating the end portions of a boiler shell to expand the same, inserting the boiler ends in cold state into said heated end portions of the boiler

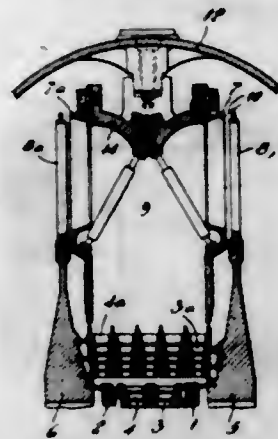
shell, forging the heated end portions of the boiler shell about said boiler ends, causing the end portions of the boiler shell to shrink onto the boiler ends, applying heat expanded bands over the shrunk end portions of the boiler shell, and causing said bands to shrink onto said end portions of the boiler shell.

1,736,611. MACARONI MOLD. GIUSEPPE LUBRANO, New York, N. Y., assignor to Curly Macaroni Mould Co., Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed June 8, 1928. Serial No. 283,992. 2 Claims. (Cl. 107-14.)



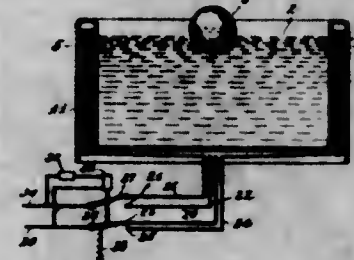
1. In an apparatus for forming macaroni, means for forcing the macaroni paste through a die plate, a die plate, having a bore therethrough comprising a laterally extending portion at the base thereof, a plug fitted in said opening having a cutaway concave peripheral portion to provide an opening extending downwardly from the top of the plug and communicating with a bore extending laterally and downwardly through the plug, said bore being frusto-conical in shape, having a smaller and a larger end, said larger end communicating with said downwardly extending opening in the plug, a cup-shaped nipple fitted in said frusto-conically shaped bore with its bottom spaced from said bore, said cup-shaped nipple having a lateral opening for establishing communication with the smaller end of said frusto-conically shaped bore, and a teat extending from the bottom of the cup-shaped nipple into the smaller end of the frusto-conically shaped bore terminating in the openings at said end and surrounded by the frusto-conically shaped walls of said bore throughout its entire length, the ends of said frusto-conically shaped bore and said teat being spaced from the laterally extending portion of said die-plate bore, whereby the macaroni extruded from said frusto-conically shaped bore is curled by engagement with said frusto-conically shaped bore and said teat being spaced from said frusto-conically shaped bore without engaging the laterally extending portion in said die-plate bore.

1,736,612. STEAM TURBINE. ALF LYSHOLM, Stockholm, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Joint Stock Company of Sweden. Filed Apr. 26, 1928, Serial No. 273,116, and in Sweden May 2, 1927. 6 Claims. (Cl. 253-16.5.)



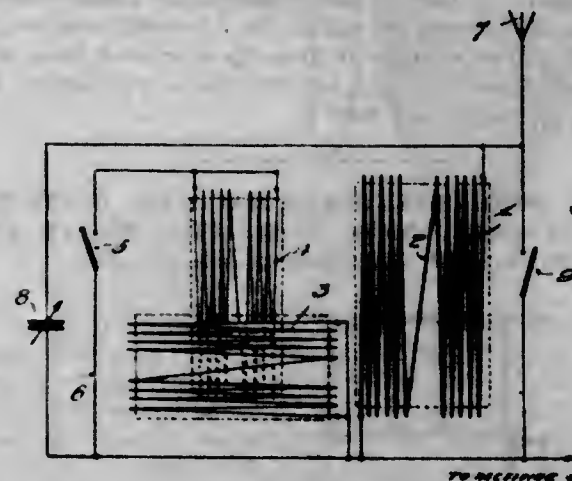
1. In a steam turbine, the combination of a radial blade system and an axial blade system, with means for delivering moisture particles and moist steam from the radial blade system past and outside of the outer end portion of the axial blade system.

1,736,613. ELECTRIC ADVERTISING DEVICE. GUY MCCOSHEN, Boonton, N. J. Filed May 1, 1928. Serial No. 274,276. 2 Claims. (Cl. 46-49.)



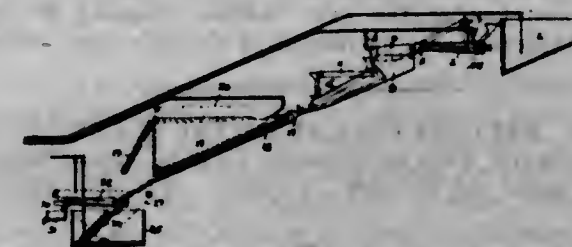
1. An advertising device, including a container adapted to contain a supply of water, a member presenting a floating structure carried by said water, said member including a magnetic article hidden therein, said container having an annular hidden chamber, a magnetic ring arranged in said chamber, a plurality of pairs of windings mounted on said ring, a switch for turning on current to different pairs of windings at spaced intervals for producing a shifting field, and means for automatically causing said switch to function.

1,736,614. RADIO WAVE TRAP. JAMES J. McDONALD, San Jose, Calif. Filed June 9, 1927. Serial No. 197,734. 2 Claims. (Cl. 250-20.)



1. A wave trap for radio circuits including an antenna connection, a primary winding in series therewith, a variable condenser shunted across said primary winding, a short circuited winding inductively connected with said primary winding, and a second short circuited winding selectively connected in inductive relation with said first mentioned short circuited winding.

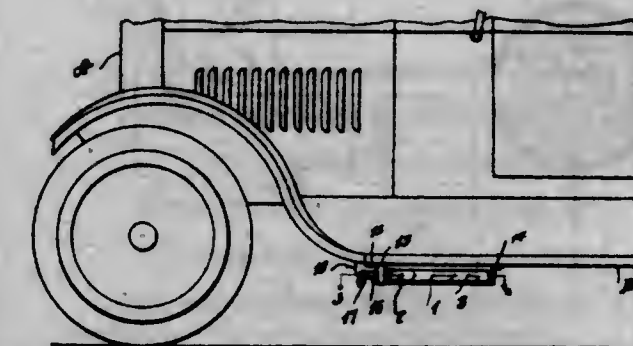
1,736,615. METHOD OF BENEFICIATING MANGANESE ORES. LEONARD B. MILLER, Cleveland, Ohio, and WILLIAM G. BINEHART, Batesville, Ark., assignors to said Miller. Filed Apr. 22, 1927. Serial No. 185,779. 3 Claims. (Cl. 209-2.)



1. The method of beneficiation of manganese oxide ores consisting of first soaking and washing the ore and sorting the lump from the fines, then removing the clay and dirt by washing and agitating the fines through a series of steps all in the presence of an excess of clear water, crushing the obtained ore to a uniform maximum size, and mechanically freeing the ore from foreign materials.

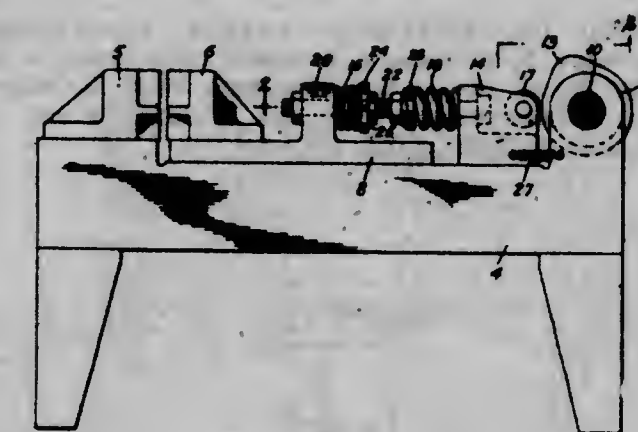
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1,736,616. PARKING AND GUIDE LIGHT FOR AUTOMOBILES. WILLIAM H. MILLER, Sunbury, Pa., assignor of one-half to Charles J. Reitz, Sunbury, Pa. Filed Aug. 2, 1928. Serial No. 297,047. 2 Claims. (Cl. 240-8.26.)



2. A parking and guide light for motor vehicles, comprising a casing adapted to be secured under the running board of a motor vehicle, said casing provided with an opening presented outwardly of and an opening presented downwardly of said running board, guide means arranged at the sides of said openings, transparent panels engaging in said guide means and slidable therein, one of the walls of the casing being removable therefrom and having flanges engaging the adjacent walls of the casing, a lamp socket secured to said removable wall and adapted to hold a lamp, said wall adapted to hold said panels in position in the casing, and ears on said casing and the removable wall for securing the casing in position on the running board.

1,736,617. MECHANICALLY-OPERATED BUTT WELDER. JAMES A. MUIR, Detroit, Mich., assignor to Thomson Electric Welding Company, Lynn, Mass., a Corporation of Massachusetts. Filed Nov. 11, 1926. Serial No. 147,715. 8 Claims. (Cl. 219-4.)

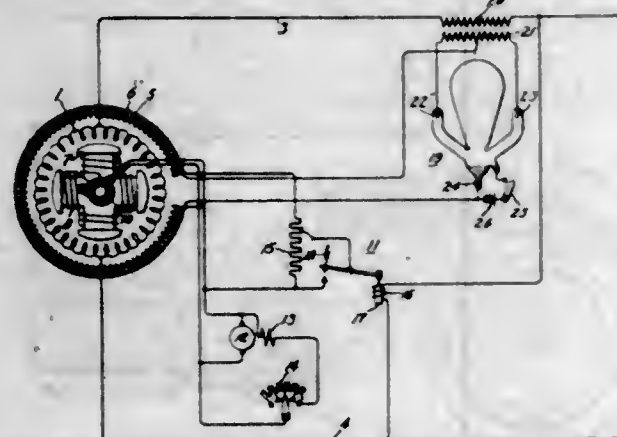


1. In a metal working apparatus, a movable platen, means for applying power to said platen for moving the same, said means including a plurality of spring means acting in series in the pressure producing train, one of said spring means yielding within certain limits and at a light pressure and the other at a heavier pressure after said first-named spring has reached the limit of its yielding movement.

1,736,618. REGULATION OF DYNAMO-ELECTRIC MACHINES. CLIFFORD A. NICKLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 10, 1925, Serial No. 68,192. Renewed Apr. 10, 1929. 9 Claims. (Cl. 171-119.)

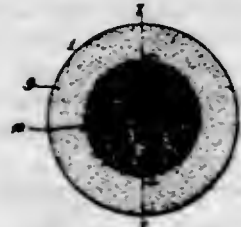
1. The combination of a dynamo-electric machine having field and armature windings and magnetic cores therefor, means for modifying the magnetic reluctance of said

armature core independently of the variation thereof due to the flux produced by said field and armature windings, and



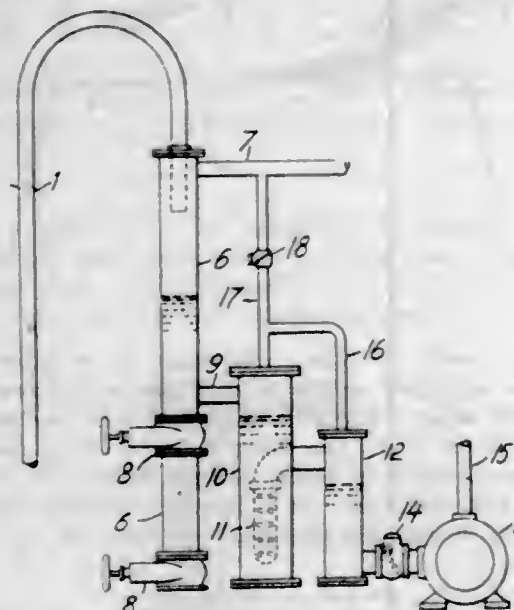
means for controlling said first mentioned means in accordance with an electrical characteristic of said dynamo-electric machine.

1,736,619. PROCESS OF TREATING GLASS FOR ILLUMINATION PURPOSES. SHERMAN G. NYE, Denver, Colo., assignor, by direct and mesne assignments, of part interest to Oscar D. Cass and E. E. Newman, Denver, Colo. Filed Feb. 14, 1928. Serial No. 254,317. 3 Claims. (Cl. 240-48.4.)



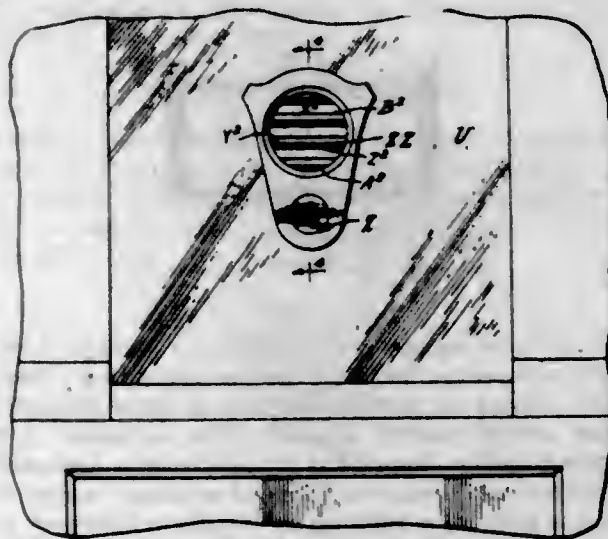
1. A lens for lamps comprising a sheet of glass having one face thereof plain and the other face roughened, a coating of transparent oil on the said other face, and a coating of transparent material superposed on the oil coating.

1,736,620. OIL-PUMPING APPARATUS. BENGT OLSSON, Brooklyn, N. Y., assignor, by mesne assignments, to Salvage Process Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1926. Serial No. 85,523. 2 Claims. (Cl. 103-5.)



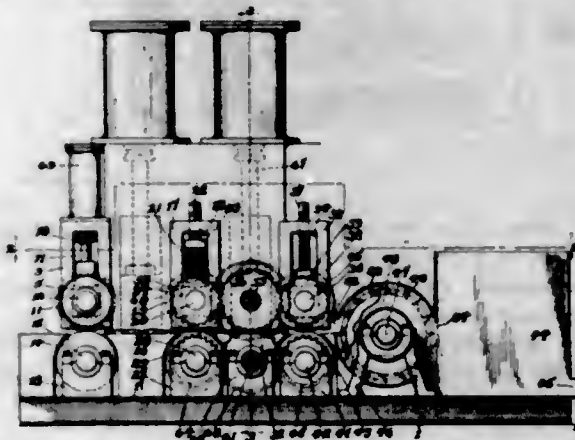
1. In a vacuum pumping apparatus, the combination with suction chambers, of an open ended suction line connected with one of said chambers, means for injecting steam and air to the suction line near its open end, vacuum line connections between the chambers above the liquid levels maintained therein, liquid communicating lines between the chambers, and a liquid discharge pump having its suction line connected to the chamber other than that to which the suction line is connected.

1,736,621. PORT SHIELD. JOSEPH PLATT, Detroit, Mich. Filed June 28, 1926. Serial No. 119,056. 7 Claims. (Cl. 89-36.)



3. An improvement in a port shield consisting in combination a layer of a non-magnetic and bullet-proof material in the form of a casing with an opening therein, a layer of a non-magnetic and bullet-proof material consisting of an outwardly opening cover for the aforesaid opening and an arm extending from the aforesaid cover regulating the distance and direction the cover may open without disclosure to the outside, cooperating hinge elements consisting of a means on which the aforesaid arm rotates as an axis and of a means to keep the aforesaid cover flush in its normal position with the exterior of the casing, substantially as herein set forth.

1,736,622. WOOD-SHREDDING MACHINE. OLIVER BENNETT RANDALL, Wheeler, Oreg. Filed Oct. 18, 1928. Serial No. 313,289. 10 Claims. (Cl. 92-20.)



2. In a wood shredding machine, spaced reciprocatory pounding devices, and spaced rotatable shredding devices, said pounding devices being alternately disposed with respect to said shredding devices whereby material fed to the machine will be alternately pounded and shredded, said pounding devices being vertically disposed and said shredding devices having the axes thereof disposed at right angles to the plane of movement of the pounding devices.

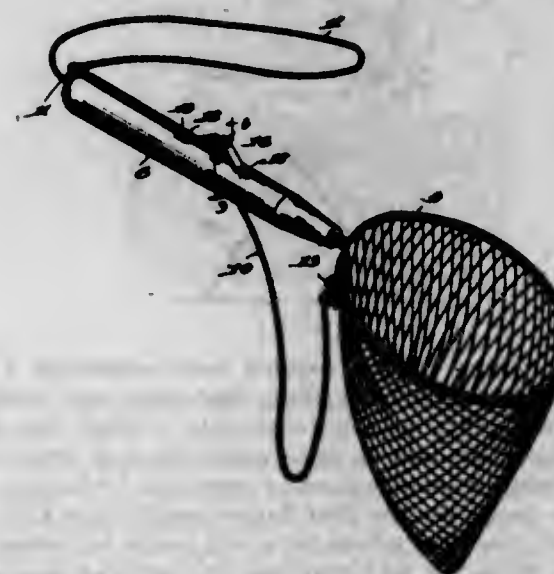
1,736,623. BATTERY-POST TERMINAL CLAMP. HENRY A. RENNBACK, Ottawa, Ontario, Canada. Filed Sept. 7, 1927. Serial No. 217,901. 1 Claim. (Cl. 173-259.)



As a new article of manufacture, a battery post clamp including a pair of shanks having opposed semi-circular

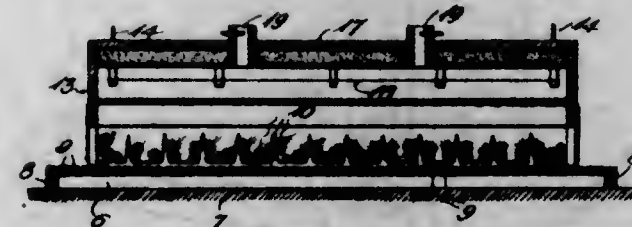
or arcuate jaws in their complementary faces adjacent one end of said shanks; a shoulder extended at right angles from one of said shanks at the other end thereof and provided with a terminal recess to receive a wire or cable; a transverse connecting bolt extended through the centre of said shanks in a line parallel to the axis of said shoulder; said shanks having complementary opposed arcuate and tapered threaded sockets in their complementary faces opposite said shoulder; and a wedge screw operable in said sockets in a line at right angles to the axis of said shoulder to fulcrum said shanks on said bolt and tighten the jaws of said clamp on said battery post.

1,736,624. HAND FISHING NET. ALLAN S. RICHARDSON, Butte, Mont. Filed May 20, 1928. Serial No. 281,494. 14 Claims. (Cl. 43-11.)



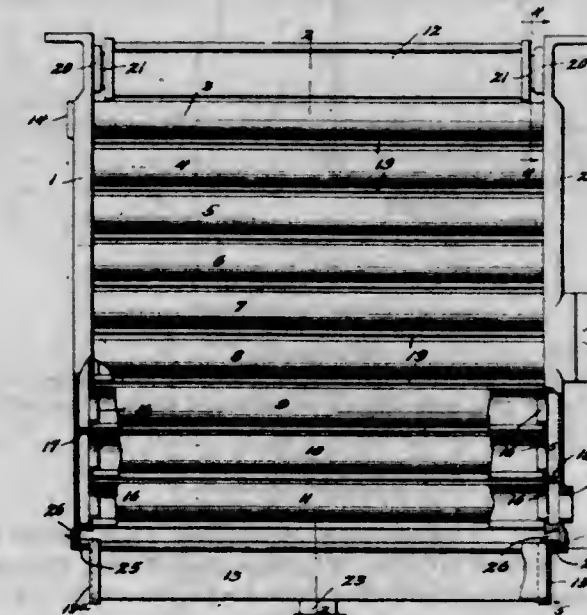
1. In combination a dip net, a flexible element slidably connected with the handle thereof and forming a body embracing loop at the rear end of the handle, and manually releasable means normally engaging the flexible element to hold the handle against movement relative thereto but operable to permit the handle to be moved longitudinally with respect to the flexible element.

1,736,625. BROODER. LEWIS T. ROBINSON, Silverton, Oreg. Filed Mar. 24, 1927. Serial No. 178,107. 2 Claims. (Cl. 110-33.)



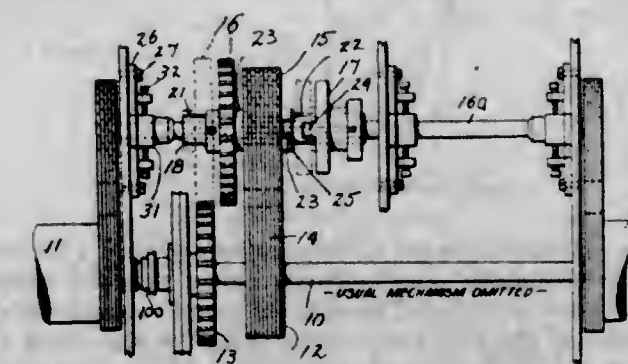
1. In a brooder construction, a floor unit comprising sills and a multiplicity of closely spaced slats on said sills jointly forming a floor for young chicks, a plurality of said slats being removable to leave only perch-forming slats when the chicks have grown sufficiently to roost; legs insertible under said sills to support the perch-forming slats at elevated positions when the chicks have advanced sufficiently to train them for elevated roosting, and a brooder unit resting on and supported by said floor unit when the latter is either in a raised or lowered position, said brooder unit constituting the sole enclosure for the chicks and being bodily removable from said floor unit to give unobstructed access to the latter for removing or inserting slats and for cleaning.

1,736,626. MILK COOLER. LOUIS ROSENFELD, Baltimore, Md., assignor, by mesne assignments, to Cherry-Burrell Corporation, a Corporation of Delaware. Filed May 21, 1928. Serial No. 279,325. 1 Claim. (Cl. 257-183.)



A milk cooler comprising two opposed upright hollow headers and a plurality of tubes connected in series by the headers, said cooler having openings for the inlet and outlet of cooling fluid, said headers having flanges at their lower ends projecting toward one another, and a drip pan having outwardly projecting lugs, said flanges having sockets to receive said lugs.

1,736,627. REVERSIBLE TRANSMISSION FOR SPINNING MULES. JOHN HURLEY RYALLS, Richmond, Va., assignor to H. S. Hodges, Charlottesville, Va. Filed Feb. 20, 1926. Serial No. 89,668. 4 Claims. (Cl. 74-59.)

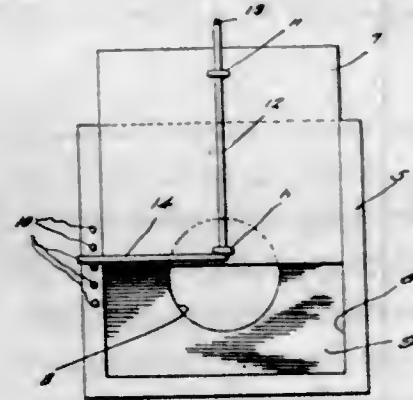


1. In a reversible transmission for spinning mules comprising a jack shaft and oppositely acting gear connections between the jack shaft and the driving shaft, and two slidable members rotatably connected with the jack shaft, a sleeve around the jack shaft, a key way in the jack shaft, a spline in such key way and engaging the sleeve, and a spline connection between the sleeve and each of said sliding members.

1,736,628. HEAD GATE. IRVIN S. SANDERS, Yuma, Ariz. Filed Dec. 6, 1928. Serial No. 324,170. 1 Claim. (Cl. 61-28.)

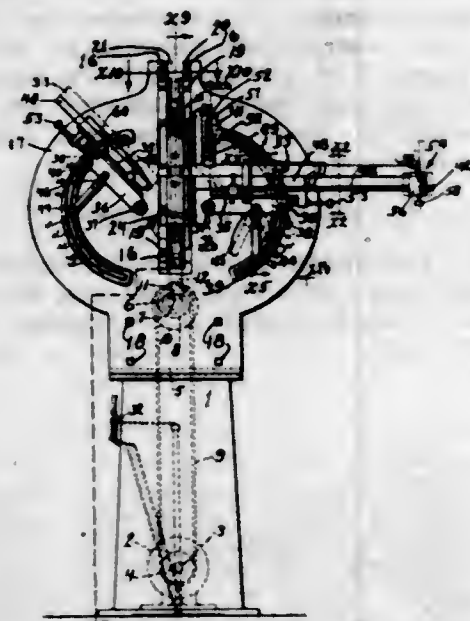
A head gate of the class described comprising a concrete pipe, an integral frame at one end of the pipe, said frame being inclined with respect to the pipe and formed with a recessed portion, a concrete slide mounted in said recessed portion, a plurality of vertically spaced keeper pins embedded in said frame, a pair of guide eyes carried by said slide, a shaft mounted for rotation and sliding in said guide

eyes, the upper end of the shaft terminating at a laterally directed handle, and the lower end terminating in an



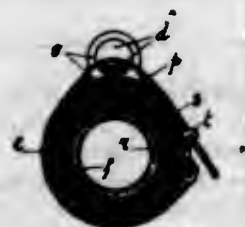
angularly bent portion forming a retainer for cooperation with said stop pin, whereby to permit said slide to be held in different elevated positions to regulate the flow.

1,736,629. COPER FOR FORMING THE ENDS OF STRIPS AND STICKS. WILLIAM R. SAUTTER, Phoenix, Ariz., assignor of forty per cent to Nelson Clyde Pierce, Phoenix, Ariz. Filed Jan. 3, 1927. Serial No. 158,578. 2 Claims. (Cl. 144-147.)



1. In combination with a reciprocating cutter; a bolster angularly adjustable relative to the cutter; a work holder on the bolster; a gage rod fixed to the bolster; a gage block adjustable on the gage rod; means to fix the gage block on the gage rod; and a gage finger pivoted to the gage block and adapted to be moved into and out of the way of a stick on the work holder.

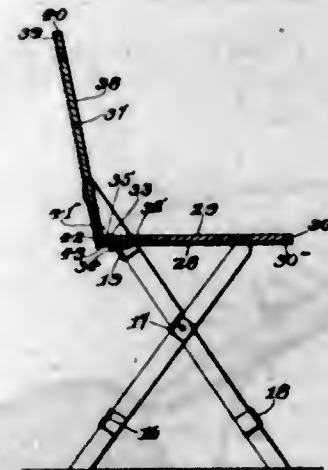
1,736,630. PIPE CLIP. EWALD SCHARPENBERG, Wetter-on-the-Ruhr, Germany. Filed Aug. 15, 1928, Serial No. 299,859, and in Germany Aug. 22, 1927. 4 Claims. (Cl. 24-19.)



4. A pipe-clip including a flat flexible strip, a hook removably carried by one end of the strip, the opposite end of the strip being formed with a plurality of openings with

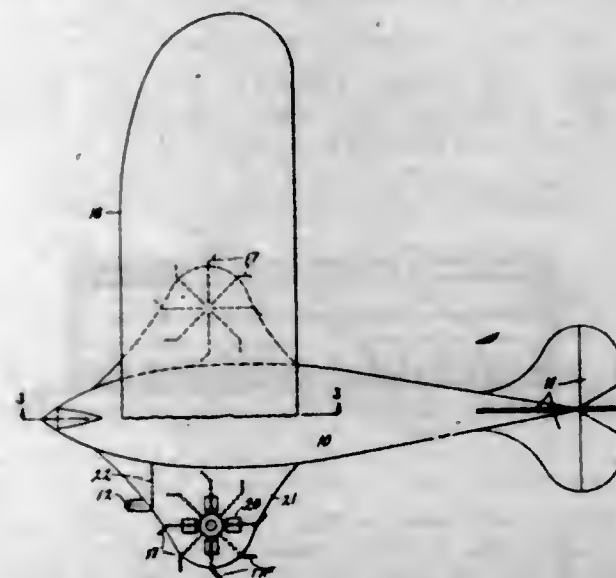
any one of which the hoop is adapted to engage to adjust the strip about a pipe, a bearing member to removably seat on the exterior of the pipe, a pin mounted in said bearing member and arranged axially of the pipe, said pin having an eccentric portion to bear beneath the strip and serving in the rotation of the pin to tighten the strip with respect to the pipe.

1,736,631. FOLDABLE CHAIR. JOSEPH JOHN SCHMITT, Algoma, Wis. Filed Mar. 27, 1928. Serial No. 264,996. 5 Claims. (Cl. 155-144.)



1. In a folding chair a pivoted seat comprising a rim including sides, front and rear, said sides and front of angle shaped cross section to provide vertical and horizontal flanges disposed at right angles to each other, said rear of T-shaped cross section to provide a horizontal web and upper and lower vertical flanges, said horizontal web and flanges providing a base for a seat panel surrounded by the upper flange of said rear and the vertical flanges of said sides and front, and said lower flange providing a support for the seat rim when the chair is extended.

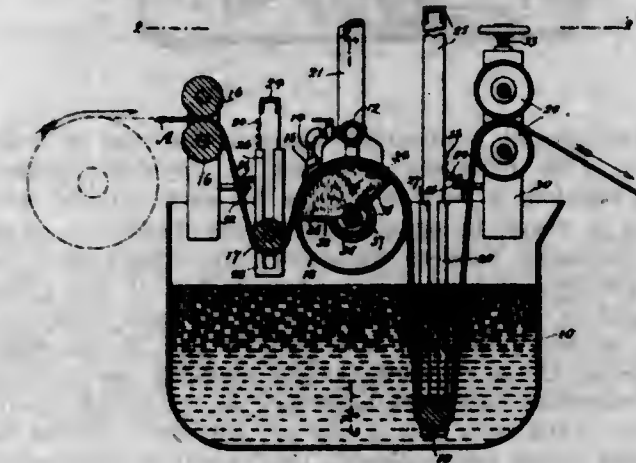
1,736,632. AIRPLANE. EUGENE SCHMIDT, St. Paul, Minn. Filed Apr. 25, 1928. Serial No. 272,713. 2 Claims. (Cl. 244-16.)



1. An aircraft propelling device comprising a number of rotatable propellers each consisting of a number of radial flat blades fixed on a hub, a drive shaft fixed in said hub and suitably connected with a source of power for rotating it, a depression formed in the air craft and frame means in which said propeller shaft is journaled, a wind-break in said frame forward of the propeller and comprising a transverse wall deflecting air currents toward the wings of said propeller outward of said propeller shaft and an inner rigid wall extending rearwardly from said front wall past said

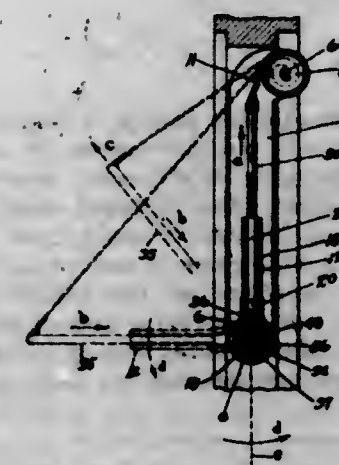
propeller and terminating in spaced relation and rearwardly of said propeller, said source of power arranged to rotate said propeller with its outer blades to move rearwardly away from said transverse wall.

1,736,633. MEANS FOR IMPREGNATING FELT OR OTHER FABRICS. KARL HENRY SCHUTTE, Jersey City, N. J., assignor of one-half to J. Frank Darling, Brooklyn, N. Y. Filed Jan. 27, 1927. Serial No. 164,019. 4 Claims. (Cl. 91-18.)



1. In an apparatus for impregnating felt and other fabrics, a tank to hold the impregnating material, means above the level of the material in the tank to guide fabric through the apparatus, means above said level to direct impregnating material on to the fabric, means to produce a suction at the opposite side of the felt from that on to which the impregnating material is directed, and means to cause the fabric to dip into the material in the tank after the application of the suction to the fabric.

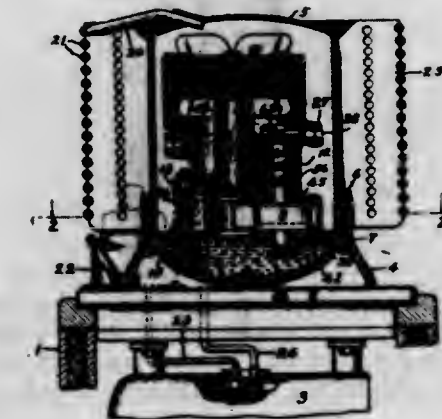
1,736,634. AWNING ATTACHMENT. WILLIAM E. V. SHAW, Minneapolis, Minn. Filed July 16, 1928. Serial No. 298,075. 5 Claims. (Cl. 156-44.)



3. In combination, an element having ratchet teeth, a pivoted arm associated therewith and having a tubular extension having portions of different diameters with that portion of largest diameter nearest the corresponding ratchet element, a bushing held within a portion of smaller diameter and extending into the portion of larger diameter, a rod slidable within the bushing as a pawl and engageable with the teeth of the ratchet element, a pin loosely traversing the rod and arranged to engage

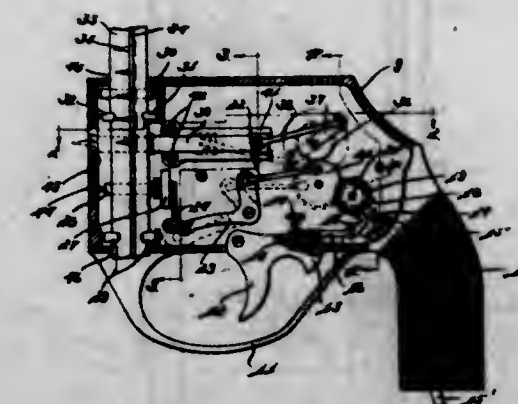
the bushing as an abutment after disengagement of the pawl from a tooth, the tubular portion of largest diameter being open at one side to permit the pin to be dropped into operative relation to the pawl, the arrangement being such that after the pawl is rotated to operative position in relation to the ratchet, the walls of the enlarged tubular portion act to prevent disengagement of the pin.

1,736,635. REFRIGERATING MACHINE. CHRISTIAN STEENSTRUP, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 5, 1927. Serial No. 166,212. 8 Claims. (Cl. 62-116.)



1. A refrigerating machine comprising a gas tight casing, operating mechanism therein comprising a compressor, means for resiliently mounting the mechanism in spaced relation with the walls of the casing, an evaporator, a pipe connection between the compressor and the evaporator forming a plurality of turns about the mechanism, and means comprising a tie between the turns for damping vibrations thereof.

1,736,636. TACK DRIVER. STANLEY TATAR, Detroit, Mich. Filed June 14, 1928. Serial No. 285,283. 5 Claims. (Cl. 1-53.)



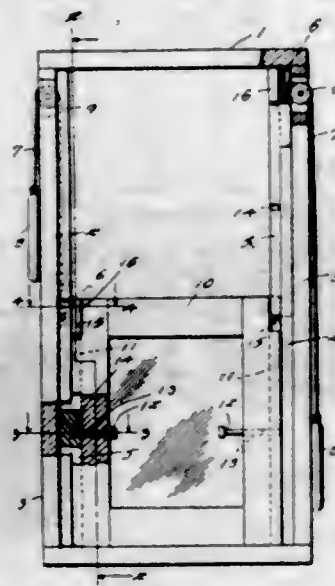
5. In a tack driver of the class described, having a feeding mechanism and a driving mechanism; a movable gear for operating said feeding and said driving mechanism, said gear being movable to operative or inoperative position; a lever pivotally mounted in said housing, intermediate its ends, and connected at one end to said gear, the rocking of said lever effecting a movement of said gear to operative and inoperative position; a rockable member pivotally connected at one end to said lever for effecting a rocking of the same; and resilient means for normally resisting rocking movement of said rockable member.

1,736,637. GLASS MOLD. ALBERT J. THOM, Jeannette, Pa. Filed Dec. 3, 1927. Serial No. 237,449. 3 Claims. (Cl. 49—29.)



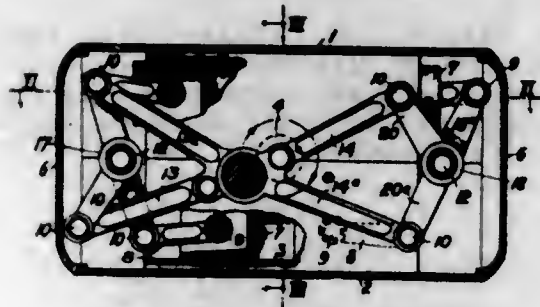
1. A mold of the kind specified having an article-forming cavity, a base member on which the mold is mounted, a plunger movable in the base member, a pump carried by the base member and in communication with said cavity, the pump having a piston for the extraction of air from said cavity and for the actuation of said plunger.

1,736,638. WINDOW CONSTRUCTION. FRED E. WEBB, Watertown, N. Y. Filed Feb. 24, 1927. Serial No. 170,530. 1 Claim. (Cl. 20—52.3.)



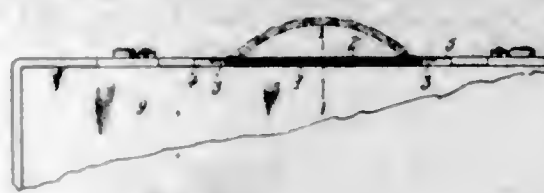
A window construction, comprising a frame having grooves in its stiles, bars slidably mounted in said grooves, a sash member having grooves in its side members to receive said bars and openings in the side members communicating with the grooves, means to secure the sash member to the bars, and offsets on the bars to seat in the openings in the sash member, said offsets providing bearings for the bars slidably engaging the frame on the sides of the grooves therein to prevent the sash member from binding in the frame during sliding movement thereof.

1,736,639. DRIVING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. JOSEF SZYDLOWSKI, Baden-Baden, Germany. Filed May 26, 1927. Serial No. 194,300, and in Germany July 20, 1925. 2 Claims. (Cl. 123—51.)



1. An internal combustion engine comprising in combination four cylinders arranged in opposed parallel spaced relation, a pair of pistons for each cylinder and adapted to travel in opposite directions therein, a crank shaft journaled between and extending transversely of said cylinders, rocking levers at each end of the cylinders, each of said rocking levers being pivotally connected to one of the pistons in one cylinder and to the adjacent piston of the opposed parallel cylinder, main crank rods connecting said rocking levers to the crank shaft, auxiliary crank rods having one of their ends pivoted to said main crank rods adjacent their point of connection with the crank shaft, and short levers pivoted to the free ends of said auxiliary crank rods and to said rocking levers whereby each pair of pistons transmits its power to the crank shaft independently of the other pairs of pistons and compression ignition expansions and exhaust takes place in sequence in the four cylinders.

1,736,640. HANDLE. JOHN WILLIAM WATERER, Greenwich, London, England, assignor to Barrow, Hepburn & Gale, Limited, London, England. Filed June 25, 1927. Serial No. 201,389, and in Great Britain Mar. 23, 1927. 3 Claims. (Cl. 190—57.)

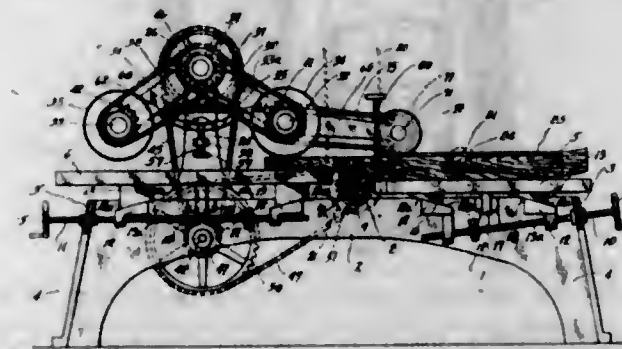


3. A collapsible handle for luggage comprising a longitudinally flexible handle portion capable of being arched and flattened, a spring in said handle portion for normally urging the same into flattened position against the side of the luggage, a link mounted upon each end of the handle portion, a slide guide of box formation mounted on the luggage at each end of the handle portion for receiving said links, said links being curved longitudinally to admit of the free sliding movement of the links in said guide and in a plane parallel with the surface of the luggage.

1,736,641. JOINER. WILLIAM G. ZIMMERMAN, Everett, Wash.; Isabella V. Zimmerman and O. L. West executors of said William G. Zimmerman, deceased. Filed May 16, 1927. Serial No. 191,797. 2 Claims. (Cl. 144—117.)

1. A machine of the character described comprising a frame structure, a revolving planer mounted across the frame, a plane table at one side of the planer across which material may be advanced to the planer, means for adjusting the table vertically for gauging the depth of the planed surface, a second table onto which the material is advanced from the planer, means for adjusting the sec-

ond table vertically, a driven shaft supported above the frame, a pair of arms pivoted on the shaft to extend downwardly in opposite directions over the second table, shafts revolvably mounted in the ends of said arms, means for driving the latter shafts from the first mentioned shaft, feed rollers mounted on the second mentioned

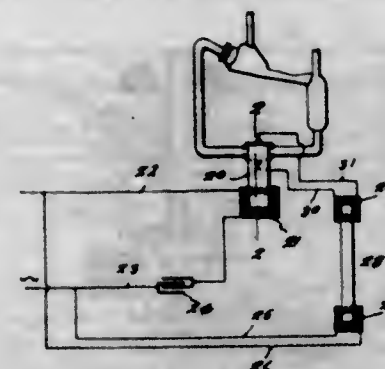


shafts to be driven thereby and adapted to engage material advanced across the table to feed it from the planer and to hold it tightly against the tables as it is advanced, a spring connecting the arms as a means for urging the rollers against the material and means for adjusting the arms and for limiting the distance to which the rollers may approach the plane table.

1,736,642. METAL-VAPOR LAMP. GEORGE P. BEAUDRY, Montreal, Quebec, Canada. Filed Mar. 25, 1922. Serial No. 546,878. 1 Claim. (Cl. 106—36.1.)

A metal vapor lamp casing comprising a receptacle formed of transparent material consisting essentially of sodium aluminate, sodium borate and calcium borate, in substantially equal amounts.

1,736,643. ELECTRICALLY-OPERATED POWER DEVICE. LESTER E. BECK, Kelly Station, Pa. Filed Oct. 13, 1927. Serial No. 226,026. 8 Claims. (Cl. 230—101.)

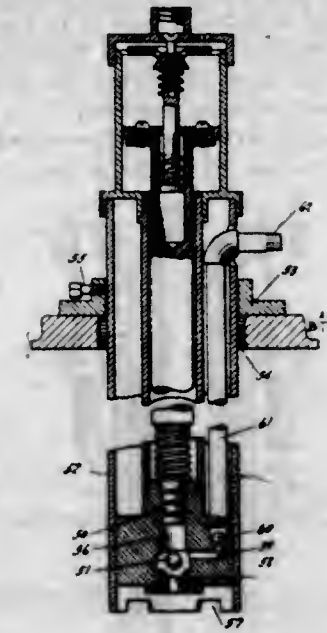


1. In an apparatus of the character described, a container of insulating material, a conducting liquid within the container, means for passing a magnetic flux of an alternating character through the liquid, means for passing an alternating current through the liquid in a manner to traverse the magnetic flux whereby the mutual reaction of the magnetic flux and alternating current will cause the liquid to move within the container.

1,736,644. GREASE GUN. WILLIAM D. BELL, Columbus, Ohio, assignor of one-fourth to Edwin P. Corbett, Columbus, Ohio. Filed June 28, 1926. Serial No. 119,122. 5 Claims. (Cl. 221—47.1.)

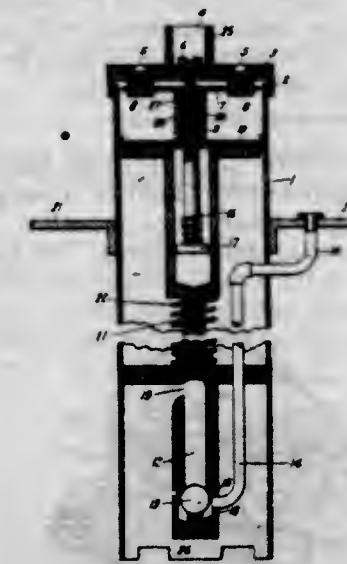
1. A means for transferring a lubricant from the original container to the point of use comprising a chamber with an inlet opening so located that it will be

normally immersed in the lubricant when inserted in the container, a means for drawing the lubricant into said chamber by suction and for expelling the lubricant from



said chamber, said means being resiliently movable to produce the suction, and movable by compressed fluid to produce the expelling power, and means for continuously and automatically operating said last named means.

1,736,645. GREASE GUN. WILLIAM D. BELL, Columbus, Ohio, assignor of one-fourth to Edwin P. Corbett, Columbus, Ohio. Filed Nov. 20, 1926. Serial No. 149,772. 4 Claims. (Cl. 221—47.1.)

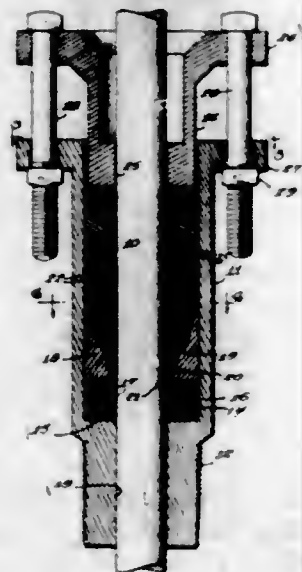


1. A grease gun for delivering grease to a point to be lubricated comprising a cylinder, a main body portion adapted to be inserted into and removed from a drum of grease, an inlet for said cylinder, outlet valve for said cylinder having a rounded surface, and a plunger operating in said cylinder, said plunger having its end concave to conform to the rounded surface of said valve.

1,736,646. STUFFING BOX. ANTHONY C. BRAMMER, Wichita, Kans., assignor, by direct and mesne assignments, of two-thirds to J. T. McInnes, Tulsa, Okla. Filed Mar. 21, 1927. Serial No. 177,170. 2 Claims. (Cl. 286—38.)

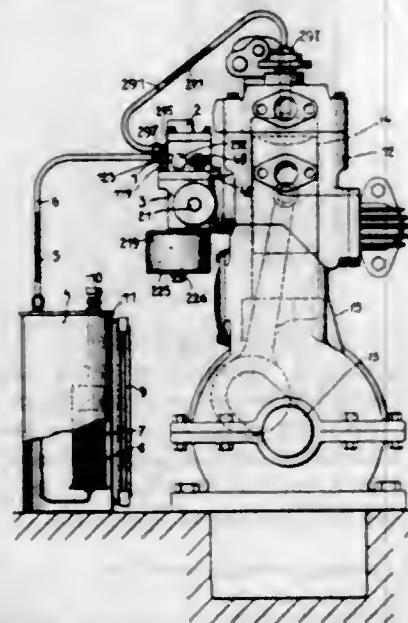
2. A stuffing box for vertical reciprocating rods comprising a vertical body provided in its lower end with an axial opening and in its upper end with an axial bore communicating with and substantially larger than said open-

ing, said bore being provided at its inner end with a shoulder, said bore and said opening being adapted to receive the reciprocating rod, a ring arranged in said bore and supported on said shoulder, said ring being of smaller diameter than said bore to permit it to partake of lateral movement with respect thereto, a retaining member arranged in said bore and supported on the upper face of said ring, said member being provided in its upper end with a conical recess terminating at its lower end in a relatively short cylindrical recess of slightly larger diameter than



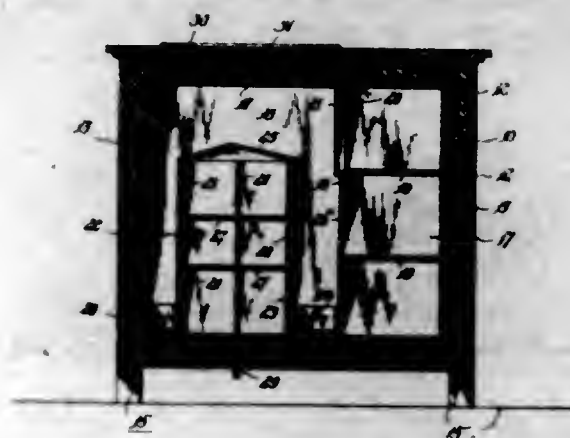
the rod, said member being further provided at the lower end of said cylindrical recess with a horizontal shoulder, said conical and cylindrical recesses and a portion of said bore above said member constituting a packing chamber, a body of relatively small members constituting packing material arranged in said chamber, a compressible ring arranged in said bore to contact with the upper surface of said packing material, a packing gland having a portion projecting into the upper end of said bore and contacting with said compressible ring to maintain said packing material under pressure, and means for adjustably connecting said gland with said body portion.

1,736,647. INJECTION OF LIQUID FUEL IN INTERNAL-COMBUSTION ENGINES. LORENZ KONRAD BRAREN, Munich, Germany. Filed Dec. 14, 1925, Serial No. 75,452, and in Germany Jan. 14, 1925. 102 Claims. (Cl. 123-34.)



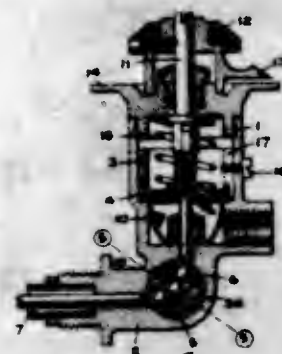
1. In internal combustion engines of the type where the fuel is injected into the combustion chamber at or near the end of the compression period, means independent of said chamber for mixing liquid fuel with a gas comprising separate compressing devices having a connecting passage, means for compressing the mixture and means for regulating the quantity of mixture injected into the combustion chamber.

1,736,648. REFRIGERATING PLANT. BELONIE CLAVETTE, Edmundston, New Brunswick, Canada. Filed July 16, 1925. Serial No. 44,022. 1 Claim. (Cl. 62-61.)



A refrigerating plant of box-like construction with double-walled insulation providing an ice-chamber and adjoining compartment, a partition separating them having a single wall at its lower portion and spaced apart double wall at its upper portion forming a dead air space, and a chill-compartment located in the forward part of the ice chamber on the bottom thereof and spaced farther from the aforesaid single wall of the partition than the adjoining end of the refrigerating plant or structure to form a chamber around three sides of the chill-compartment to receive an admixture of ice and freezing salt, the top of said chill-compartment being below the top of the ice chamber and inclined upwardly from each side with the ridge extending upwardly to one of the front corners thereof to communicate with a vent pipe leading out of the structure; the said refrigerating plant or structure having door-covered openings leading into the aforesaid ice chamber and compartments.

1,736,649. AUTOMATIC CONTROL APPARATUS FOR GAS BURNERS. JAMES DOLPHIN, Hampton-in-Arden, England, assignor of one-third to Harry James Yates, London, England, and one-third to M. Howlett & Company Limited, Birmingham, England, a Company of Great Britain. Filed Feb. 9, 1928, Serial No. 253,157, and in Great Britain May 24, 1927. 6 Claims. (Cl. 236-102.)

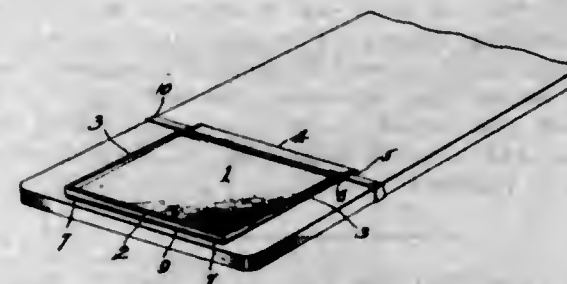


1. Automatic control apparatus for gas burners comprising a casing having inlet and outlet passages and a valve seat intermediate said passages, a valve co-operating with said seat to control the flow of gas through the casing, a valve spindle having a screw thread engagement with said valve, means for preventing the rotation of the valve, operating means for said valve spindle, a pointer and scale associated with said operating means, a thermostat arranged transversely with respect to said valve spindle, and a mechanical connection between said thermostat and the valve spindle.

1,736,650. IRON STAND. ALICE M. FULLER, Kansas City, Mo. Filed Mar. 11, 1929. Serial No. 346,242. 3 Claims. (Cl. 68-27.)

1. A stand for use on an ironing board, said stand having back and side walls and the front edge of the bottom lying

in substantially the same horizontal plane as the top of the board and having an underlying rearwardly-facing flange providing a transverse rearwardly-opening passage extending across the stand, a sheet of heat-insulating non-combustible material fitting against the bottom of the stand



and at its front projecting into said passage, and a flexible fastener extending through said passage transversely of the stand and board and around the edges and under side of the latter, the ends of the fastener being tied together to clamp the front end of the stand down upon the board.

1,736,651. CIGARETTE BOX. JULES GLAENZER, New York, N. Y. Filed July 21, 1927. Serial No. 207,508. 6 Claims. (Cl. 220-1.)



1. In a cigarette box construction of the class described a pair of cigarette boxes having side walls and individual compartments therefor, said side walls each being provided with facing key slots of T-shaped section, and a key member of substantially H shaped cross section slidably fitting in said grooves to hold the box in an interlocked detachable relation.

1,736,652. INTERLOCKING RAIL JOINT. JACOB M. HEASLEY, Pittsburgh, Pa. Filed Mar. 27, 1929. Serial No. 350,302. 3 Claims. (Cl. 238-210.)

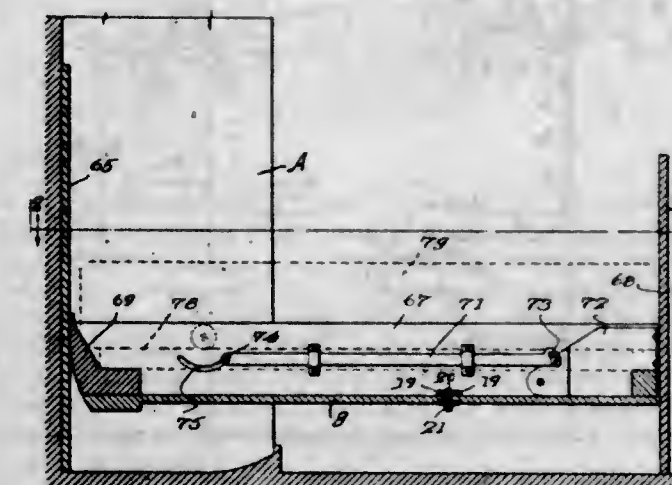


1. A rail joint embodying a tie plate formed along one side with an intumed flange and a rib longitudinally of the plate on the upper side thereof adjacent and parallel to said flange but spaced inwardly therefrom, rail ends mounted on the plate with their bases parallel with the rib but spaced therefrom, and an interlocking splice bar secured across the rail ends on the side thereof adjacent said plate flange and rib, said splice bar formed to seat upon the rail bases and provided with a laterally extended foot portion engaged under said plate flange and fitting down on the plate between said flange and the adjacent edges of the rail bases, the under side of the splice bar foot portion formed with a groove fitting over and receiving said plate rim, and the foot portion of the splice bar vertically movable to and from position with the groove thereof fitting over and receiving said plate rib.

1,736,653. BED FOR APARTMENTS. ANNA WAGNER KEICHLIN, Bellefonte, Pa. Filed May 17, 1924. Serial No. 714,113. 1 Claim. (Cl. 5-313.)

1. In a folding bed, spaced stationary elements, a plurality of side members between said elements and mov-

able about a horizontal axis from vertical position outwardly and downwardly, a foot board adapted to swing over and above the bed including the side members, devices pivoted to the side members and rigid with the foot board, bars slidable longitudinally of the side members and mounted therein, these bars moving in a fixed path longitudi-

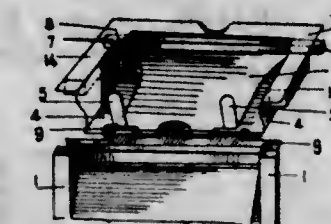


nally, and having pin and curved slot connection with said devices rigid with the foot board, the ends of the side members near the head of the bed having curved slots therein, and pins passing through the adjacent ends of the bars and the slots last named, the pins being fixed in the stationary elements.

1,736,654. HARD SOLDER PARTICULARLY FOR GREY PIG IRON, CAST STEEL, IRON, AND THE LIKE. EMIL LAY and CARL MATTICK, Frankfurt-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 15, 1928, Serial No. 254,610, and in Germany Feb. 18, 1927. 1 Claim. (Cl. 75-1.)

Hard solder particularly for grey pig iron, cast steel, iron and the like, comprising 42 to 60% copper, 1 to 10% nickel and an appreciable amount up to 3% silicon, the remainder consisting of zinc.

1,736,655. VISIBLE-CARD FILE CABINET. LUIGI LOMBARDINI, Turin, Italy. Filed Nov. 26, 1927, Serial No. 235,958, and in Italy Apr. 30, 1927. 5 Claims. (Cl. 45-77.)

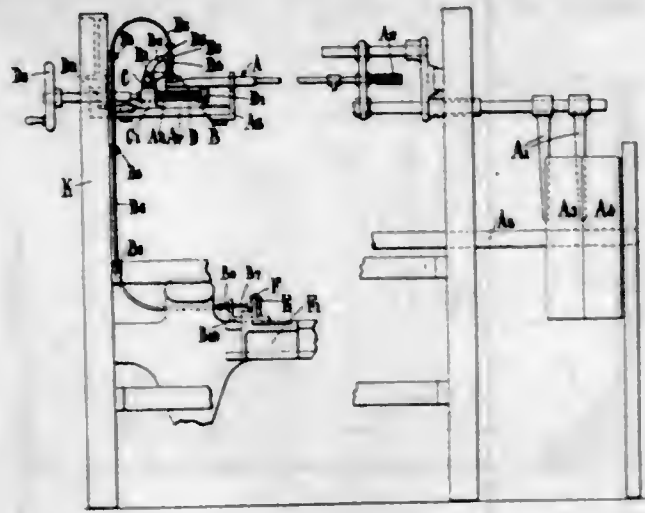


1. In visible card file cabinets, having slidable drawers and fixed horizontal partition plates, a drawer body, a follower hinged to said body, an oscillating plate carried by said follower, inwardly projecting stops or abutments fixed to the side walls of the cabinet between each pair of said partition plates, and projecting members on said oscillating plate adapted to normally abut against said stops or abutments.

1,736,656. SPINNING AND TWISTING FRAME. LEWIS LUMBY, Leeds, England, assignor to Prince Smith & Son, Limited, Kelghley, Yorkshire, England. Filed Sept. 13, 1927, Serial No. 219,304, and in Great Britain Sept. 20, 1926. 5 Claims. (Cl. 118-5.)

1. In a spinning, twisting and like frame having a starting rod, belt-shifting means actuated by said start-

ing rod and also having a traversing lifter mechanism, a retaining catch engageable with said starting rod and mounted adjustably relatively thereto, a trip member borne movably by a stationary part of said frame adja-



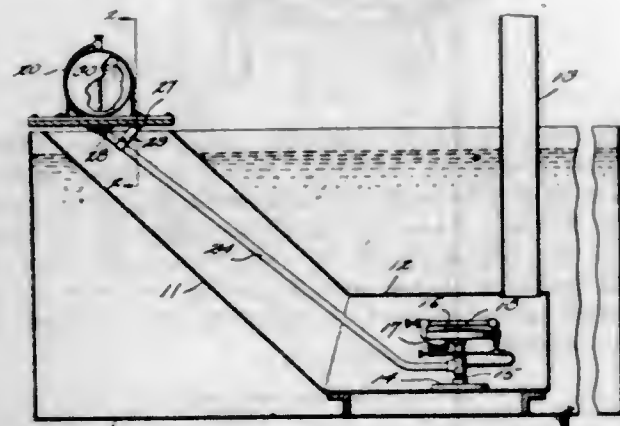
cent to and operable by the movement of a member of said traversing lifter mechanism, a flexible cable connecting said retaining catch with said trip member, and means to trip said retaining catch to disengage same from said starting rod.

1,736,657. METHOD OF MANUFACTURING DRY YEAST FOR MEDICAL AND PHARMACEUTICAL PURPOSES. CORNELIUS MASSATSCH, Berlin, Germany, assignor to Matro G. m. b. H., Heilbronn on Neckar, Germany, a Firm. Filed Dec. 21, 1927, Serial No. 241,731, and in Germany Apr. 4, 1925. 15 Claims. (Cl. 167-81.)

11. The method of manufacturing dry yeasts for medical and pharmaceutical purposes, consisting in treating fresh yeast directly with spirit at a temperature of from 55 to 65° C. and roasting weakly the thus treated yeast at a high temperature.

15. The method of manufacturing dry yeast for medicinal and pharmaceutical purposes, consisting in subjecting yeast to the action of alcohol at a temperature from 55 to 65° C. to form a thin pulp, extracting the liquid, drying the resulting mass, and then subjecting this dried mass to the action of heat at a temperature from 150 to 160° C.

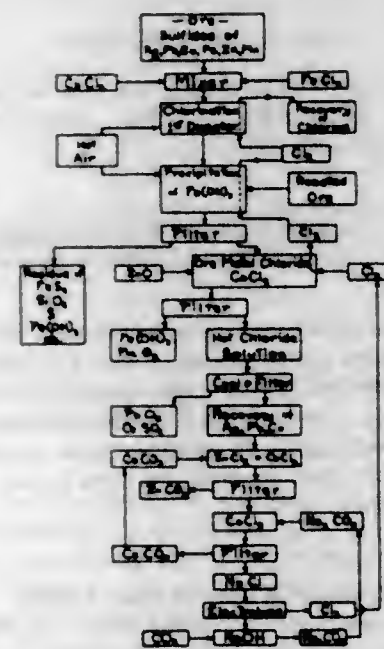
1,736,658. TANK HEATER. ROBERT E. MCFARLAND, Malmo, Nebr. Filed Nov. 16, 1927. Serial No. 233,707. 1 Claim. (Cl. 126-360.)



A tank heater comprising in combination a platform adapted to repose upon the top of the tank, a casing including an inclined portion depending within the tank immediately beneath the platform, and a horizontal portion adapted to be arranged within the tank and in spaced

relation to the bottom thereof, a flue rising from the horizontal portion above the tank, a burner arranged within the horizontal portion, a fuel supply tank reposing upon the platform and secured thereto, a pipe secured to the under side of the platform and passed through the casing to provide a connection between the platform and burner, whereby the latter can be removed from the casing incident to the removal of the platform from the tank, a fuel supply pipe extended through the first mentioned pipe and establishing communication between the fuel supply tank and burner, a valve controlling said communication, and a brace connecting the first mentioned pipe with the platform.

1,736,659. METHOD OF TREATING ORES. THOMAS AUSTIN MITCHELL, Denver, Colo., assignor to Lafayette M. Hughes, Denver, Colo. Filed Oct. 11, 1926. Serial No. 141,023. 10 Claims. (Cl. 75-67.)



1. The method of treating a complex sulfide ore comprising the steps of chlorinating it with a solution containing a small amount of a manganese chloride and in the presence of chlorine gas and a carrier of chlorine providing a high concentration of chlorine ions in the solution during the chlorinating operation, removing the residue and recovering metal values from the chloride solution.

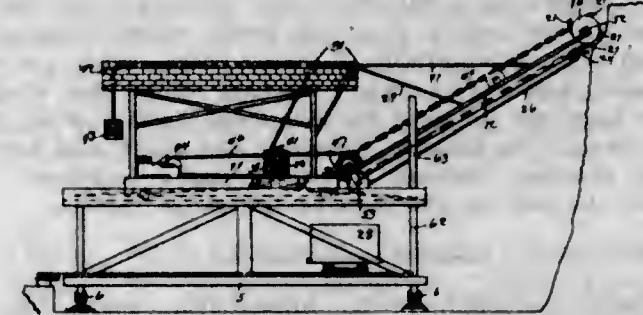
1,736,660. METHOD OF CHLORINATING ORES. THOMAS AUSTIN MITCHELL, Denver, Colo., assignor to Lafayette M. Hughes, Denver, Colo. Filed Oct. 11, 1926. Serial No. 141,024. 16 Claims. (Cl. 75-67.)

1. The method of treating a metallurgical ore comprising the steps of treating the ore in an aqueous bath containing manganese chloride while continuously passing chlorine gas into the solution and thereby forming a chloride of an ore metal and free sulfur, and maintaining conditions in the bath which prevent the precipitation of a manganese compound during the chlorination treatment.

1,736,661. EXCAVATING MACHINE. ROBERT B. MUFFETT, Ridgefield, Wash. Filed Mar. 14, 1927. Serial No. 175,196. 1 Claim. (Cl. 37-190.)

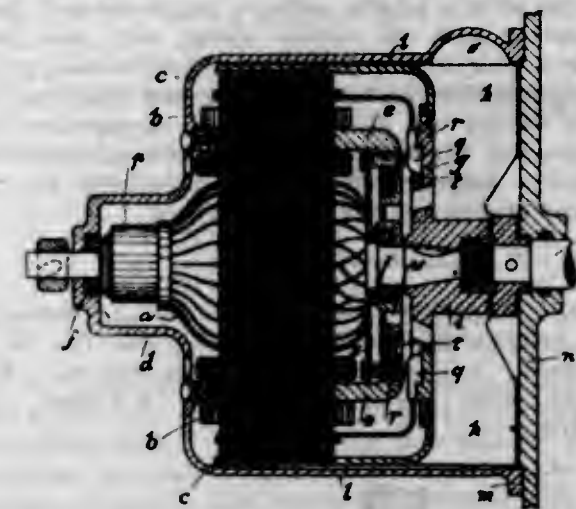
In an excavating machine, a movable carrier, a car movable along said carrier transversely to the direction of movement of the carrier, a beam pivotally carried by said car, an excavator head rotatably carried by said beam, a conveyor adapted to receive material from said

rotary head, a soil receiving car movable upon said carrier and adapted to receive material from said conveyor, means for moving said first mentioned car on said carrier, said means comprising a pair of cables having their opposite



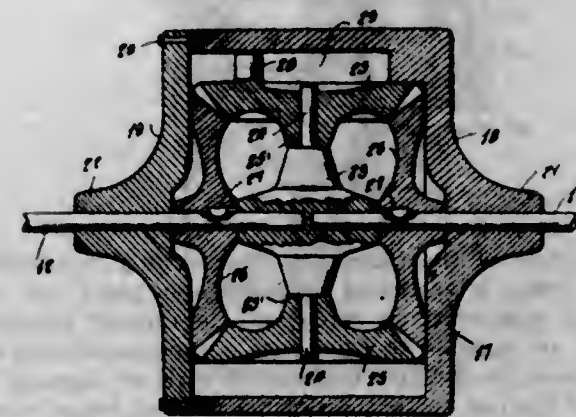
ends secured to said carrier and their center portion wrapped about winding drums, said cables serving to move said car and further serving to hold said car against endwise movement in the manner described.

1,736,662. APPLIANCE FOR INTERNAL-COMBUSTION ENGINES. FRIEDRICH MCNZ, Stuttgart, Germany. Filed Aug. 20, 1926. Serial No. 130,496, and in Germany Aug. 31, 1925. 4 Claims. (Cl. 290-47.)



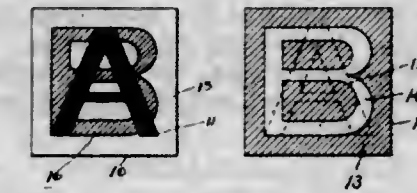
1. The combination with the crank shaft of an internal combustion engine, of a generator, a starting motor mounted around said generator, and means whereby said starting motor and generator are directly and rigidly connected to the crank shaft of the engine.

1,736,663. AUTOMATIC TRANSMISSION MECHANISM. JOHN NELSON, Ericson, Nebr. Filed Mar. 14, 1929. Serial No. 347,019. 4 Claims. (Cl. 74-34.)



1. An automatic transmission comprising a balance wheel, a driving and a driven shaft section on which the balance wheel is journaled, gears keyed to said shafts within the balance wheel, and intermediate gearing between said gears, and a connection between the intermediate gearing and balance wheel to cause rocking thereof.

1,736,664. CHANGEABLE SIGN. CARL E. NOVILLE, Old Bridge, N. J., assignor to The Kin-Ad-Scope Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 29, 1923. Serial No. 628,594. 2 Claims. (Cl. 40-135.)



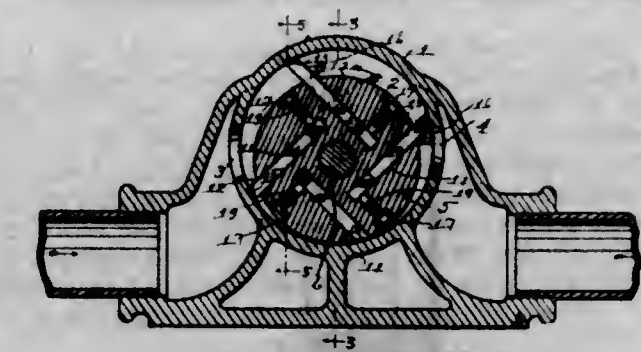
1. A changeable sign of the class described comprising a translucent colored front member having a plain translucent figure thereon, a plain translucent background member having a translucent figure thereon of the same color as said front member and registering with said first mentioned figure, so that when illuminated from the rear said figures are obliterated, and a differently shaped translucent figure of another color also on said background member to be visibly projected against said front member when so illuminated.

1,736,665. PROCESS OF EXTRACTING VOLATILIZABLE METALS FROM ORES AND METALLURGICAL PRODUCTS. HERMANN PAPE, Oker/Harz, Germany, assignor to Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Filed Apr. 19, 1927. Serial No. 184,994, and in Germany Apr. 26, 1926. 2 Claims. (Cl. 75-28.)



1. Process of recovering volatilizable metals from ores, metallurgical products and the like, which comprises injecting the material to be treated in a finely divided and suspended state into a rotating metallurgical furnace in which an oxidizing atmosphere is maintained, introducing fuel into the furnace, heating the injected material while it is still in a suspended state and volatilizing metal therefrom by burning the fuel, and volatilizing further quantities of metal from the residues which settle to the bottom of the furnace under conditions avoiding slagging or fusion of these residues.

1,736,666. ROTARY PUMP. BYRON E. PARKS, Walker Township, Kent County, Mich. Filed Sept. 20, 1926. Serial No. 136,424. 1 Claim. (Cl. 103-135.)



In a device of the character described, a body having a circular chamber provided with inlet and outlet ports, a piston rotatable in said chamber having tangential recesses therein, vanes slidable in said recesses, said piston having partially threaded ports therein communicating

with said recesses behind said vanes and with said chamber, a valve for controlling the flow of the pumped fluid through said ports to the recesses including a hollow member provided with a threaded portion cooperating with the threaded port, and a reduced portion terminating in a conical end and having a duct therethrough, the said ports having inclined walls at the inner ends thereof cooperating with the conical end of the valve to control the flow of fluid to the recesses, means for adjusting said valve to regulate said flow, and means for locking the same in adjusted position.

1,736,667. MIRROR. WILLIAM PEACOCK, Lititz, Pa., assignor to Woolworth Chemical Company, Lititz, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1927. Serial No. 184,614. 1 Claim. (Cl. 88-1.)



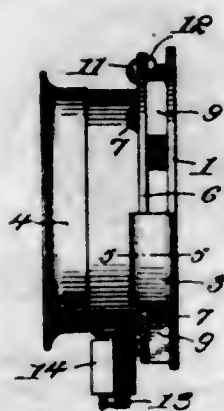
A mirror having a reflecting coating embodying magenta dye.

1,736,668. ROLLING SCREEN. ROY E. PITCHER, Henryetta, Okla. Filed Feb. 7, 1928. Serial No. 252,573. 1 Claim. (Cl. 156-39.)



Guiding means for the side edges of the rolling type of window screen, comprising a window frame having slots in its sides for receiving the edges of the screen and U-shaped brackets connected with the outer faces of the side parts of the frame and bridging the slots.

1,736,669. STEAM-GAUGE HOLDER. ALBERT POWELL and ROBERT WHITE, Pensacola, Fla. Filed July 1, 1927. Serial No. 202,948. 1 Claim. (Cl. 248-30.)



A steam gauge holder in which the rear face of the gauge has fixed thereon three equidistantly spaced blocks

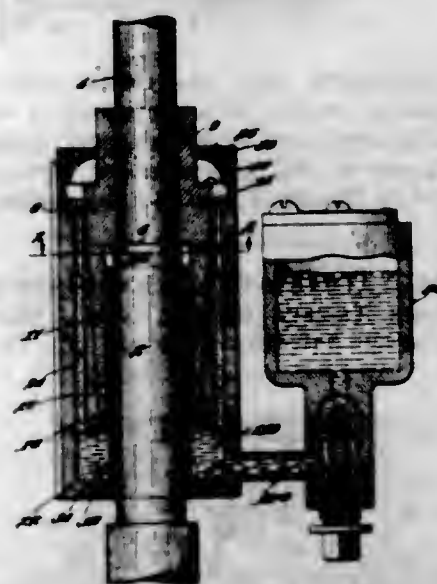
of heat insulating material and in which the retaining elements for the securing means are embedded in the blocks and further wherein the back of the gauge in a line with the center and at the top thereof have screwed therethrough a rearwardly depending bolt member, said holder comprising a flat metal disc which has its edges, at equidistant points from its lower center integrally formed with substantially U-shaped clips which are of the same thickness as that of the body of the disc, whose outer faces are designed for frictional contact with the outer face of the back of the gauge, and which disc has a notch entering centrally from its upper periphery to receive the bolt on the back of the gauge therein.

1,736,670. OSCILLATION ABSORBER FOR LEAF SPRINGS. PAUL SCHÜTTLER, Charlottenburg, Germany. Filed Nov. 17, 1926. Serial No. 148,918, and in Germany Nov. 28, 1925. 4 Claims. (Cl. 267-48.)



1. A device of the character described comprising in combination with a vehicle spring, a supplementary spring plate mounted with the vehicle spring, said plate being formed at a plurality of points into compression springs, bridges surrounding the vehicle spring and supplementary plate and having one of their ends in engagement with the compression springs formed upon said supplementary plate, and a rolling body interposed between the free end of said bridges and the vehicle spring.

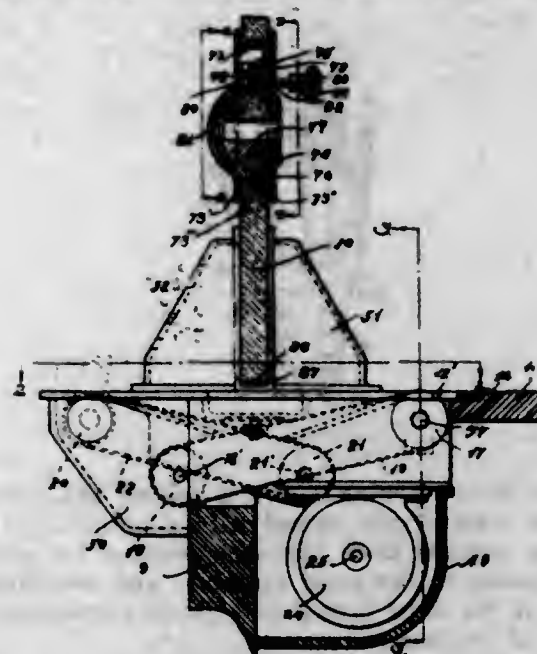
1,736,671. BEARING. WESLEY J. SHAW, Haverhill, Mass., assignor to New England Wood Heel Co., Haverhill, Mass., a Corporation of Massachusetts. Filed June 23, 1923. Serial No. 647,378. 2 Claims. (Cl. 308-168.)



1. A device of the class described having, in combination, a frame, a vertically disposed, one piece cup constituted of comparatively soft metal the interior side walls of which are tapered to constitute a tapered bearing and the bottom wall of which is provided with an opening, the bottom of the cup below the tapered bearing being reamed out to produce an oil reservoir integral with the body of the cup, a separate tubular flange secured within the opening with a lubricant-tight fit and extending upward into the cup above the oil level in the cup, a vertically disposed shaft extending into the cup through the flange, a tapered sleeve constituted of comparatively hard metal permanently fixed to the shaft and bearing against the said tapered bearing, there being a space between the shaft

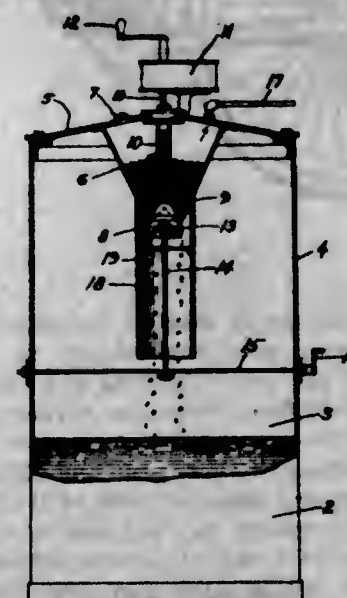
and the sleeve into which the flange extends, the cup being provided with ports extending from the oil reservoir integrally upward into the body of the cup, whereby a lubricant contained in the cup is adapted, during the rotation of the shaft, to travel upward between the tapered sleeve and the walls of the tapered bearing to a height above the top of the flange without leaking out of the cup over the top of the flange, and then, through the ports, back to the bottom of the cup, and means for vertically adjusting the cup on the frame to compensate for the wear of the comparatively soft-metal tapered bearing.

1,736,672. BULLET-PROOF COUNTER ATTACHMENT. CARROLL M. SMART, Highland Park, Mich. Filed Feb. 17, 1927. Serial No. 168,917. 2 Claims. (Cl. 89-36.)



1. In a device of the class described adapted for use with a partition forming member having a window opening formed therein; a closure for said opening; a supporting frame mounted in said closure; a universally movable member carried in said frame and provided with an opening formed therethrough; a cover for the outer end of said universally movable member; means accessible from only one side of said partition for moving said closure to uncover said opening; said means being on the opposite side of said partition relatively to said cover; and means on said side of said partition for locking said cover against movement.

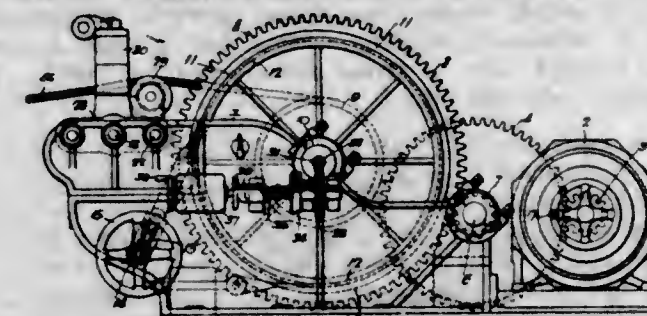
1,736,673. ACETYLENE-GAS GENERATOR. ELMER H. SMITH, Minneapolis, Minn. Filed Oct. 18, 1923. Serial No. 669,308. 1 Claim. (Cl. 48-53.)



An acetylene generator comprising a closed casing, a carbide-hopper enclosed in the upper portion of the casing

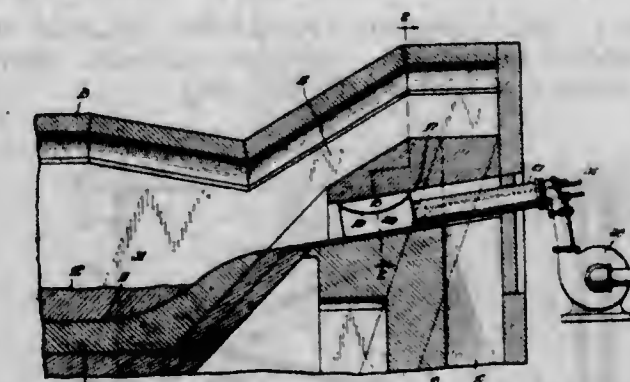
and having a central discharge opening, a water chamber in the lower portion of the casing, a rotatable cone-shaped feeding member located within the carbide hopper adjacent to its central discharge opening, a manually operable reciprocable rod provided with a cone-shaped valve positioned to control the discharge of carbide from the hopper, and a tubular member extending from the carbide hopper into the water chamber, said tubular member being of a diameter and length so proportioned with respect to the depth and diameter of the generating chamber as to have its lower end lie substantially midway of the length of the casing to prevent water in the chamber entering the carbide-hopper if the generator be subjected to various angular displacements.

1,736,674. ELECTRICALLY-OPERATED TOWING MACHINE. GEORGE E. SMITH, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 24, 1922. Serial No. 546,313. 3 Claims. (Cl. 254-172.)



1. The combination in an electric towing machine of a cable drum; a cable therefor; means normally opposing turning of said drum under the normal tension on the cable; a normally ineffective electric motor connected to the drum; follow-up mechanism for causing the operation of the motor and drum to wind up the cable after it has been drawn out, said mechanism including a controller and a safety clutch for the latter; means for rendering ineffective said controller at will, and means for manually operating the controller.

1,736,675. METHOD OF AND MEANS FOR BURNING FUEL IN REGENERATIVE FURNACES. MARCUS C. STEESE, Hamburg, N. Y. Filed Nov. 29, 1920. Serial No. 427,002. 14 Claims. (Cl. 263-15.)

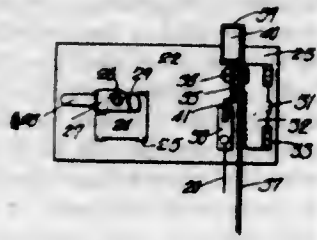


1. The method of supplying and burning fuel in regenerative furnaces, consisting in conducting fuel under pressure into a confined space, then reducing the fuel outlet, thereby transforming some of its pressure into greater velocity, and then directing the flow of fuel close to one side of such confined space whereby the induction of air along the fuel jet is restricted where such jet is in close proximity to one side of such space, and the induction caused by the jet is effective on the air in all other parts of such confined space.

1,736,676. AUTOMATIC SWITCH OPERATOR. ANDREW STRANWEIS, Jr., Brooklyn, N. Y. Filed Sept. 29, 1928. Serial No. 309,341. 2 Claims. (Cl. 246-252.)

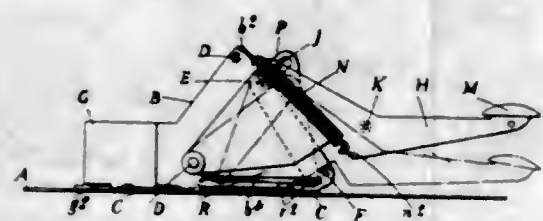
1. A circuit completing device for use on a toy railway comprising a base, a third rail engaging plate, an arm

pivoted thereon, a finger on the arm, a contact spring, on the base engageable by the finger for completing a circuit



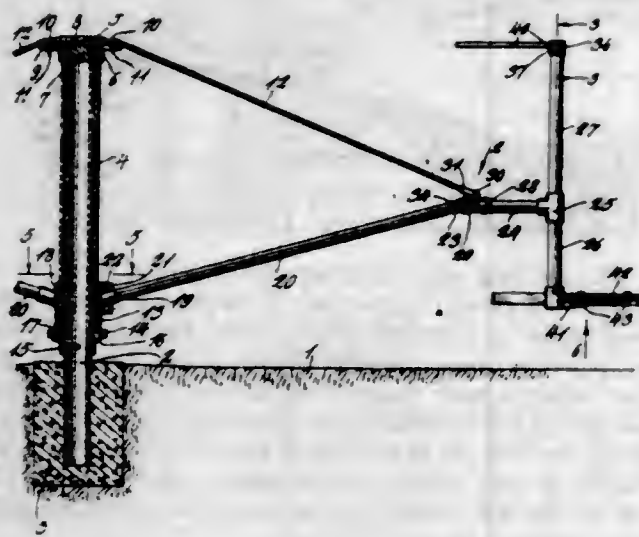
between the third rail and said contact spring, and a jamming lever on the base for engaging one of the track rails for holding the base member in position on the track.

1,736,677. COIN RECEPTACLE, CHANGE-GIVING MACHINE, AND THE LIKE. NICHOLAS STRAUSSLER, London, England, assignor to Arthur Marston Billington, Hayes, Middlesex, England. Filed Nov. 9, 1928, Serial No. 318,274, and in Great Britain Nov. 2, 1927. 2 Claims. (Cl. 133-5.)



1. A device of the kind described comprising a pair of side walls formed at one end to provide a magazine for articles such as coins, a lever pivotally mounted on said walls to the rear of said magazine, a second lever of bell crank form pivotally mounted at its cranked portion on said walls at the rear and above the pivot of said first mentioned lever, said walls being so formed as to provide a slot to permit removal of articles from said magazine, and a thin blade capable of being moved into and out of said slot, said blade being linked to one arm of said second mentioned lever and the other arm of said second lever being linked directly to said first mentioned lever.

1,736,678. PLAYGROUND APPARATUS. RICHARD W. THORNTON, Denver, Colo. Filed Oct. 22, 1928. Serial No. 313,975. 3 Claims. (Cl. 272-33.)



1. In a device of the class described, a vertical axle member, a hub member rotatably mounted on the axle, said hub having a top bearing on the axle member and another bearing thereon spaced below the top bearing, an annular platform surrounding the axle, supporting arms fixed to the hub near its lower end, said arms extending radially

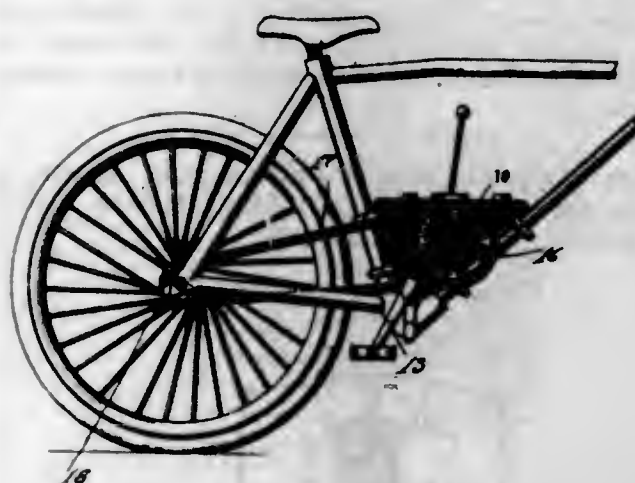
outwardly and upwardly, the outer ends of said arms extending horizontally, brace bars extending from the upper end of the hub to the outer ends of the upwardly inclined portions of the radial arms, other brace bars extending between the radial arms, a bar secured to the outer end of each radial arm, said bars extending vertically above and below the radial arms, a bracket secured to the lower end of each vertical arm, platform sections extending between the several brackets and forming an annular platform and hand rails connecting the upper ends of the vertical bars.

1,736,679. GLOVE-CLEANING DEVICE. JOHN J. TIERNEY, New York, N. Y. Filed Mar. 26, 1928. Serial No. 264,801. 2 Claims. (Cl. 223-17.)



1. In a glove cleaning device, a dummy hand structure of hollow construction formed with a plurality of pleats extending inwards from the outer surface for aiding in the collapsing of the hand structure and permitting expansion of the hand structure without stretching of the material of the hand structure.

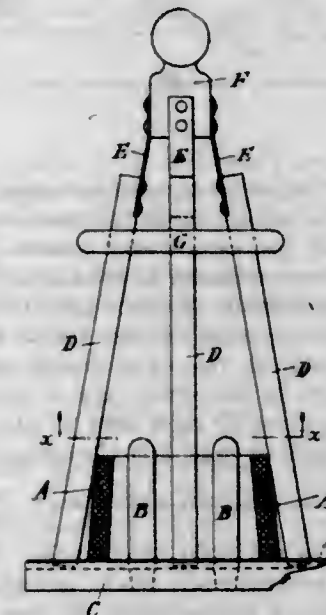
1,736,680. CHANGEABLE-SPEED TRANSMISSION-GEAR ATTACHMENT FOR CYCLES. WILLIAM A. TOLIVER, Chattanooga, Tenn. Filed June 15, 1927. Serial No. 198,986. 6 Claims. (Cl. 208-154.)



1. A changeable speed gearing for pedal driven cycles comprising a closed gear case shaped to fit within the lower portion of the center framing of a cycle and having a plurality of cycle frame engaging supports and a removable top completely closing the case, a pedal shaft mounted within said case above its lower end and having its opposite ends extended beyond opposite sides of the case to receive the pedal arms, spaced toothed gears, of different diameters, fixed on said shaft to rotate therewith, a counter shaft journaled within said gear case above the pedal shaft and spaced toothed gears of different diameters mounted on said shaft to rotate therewith and for sliding

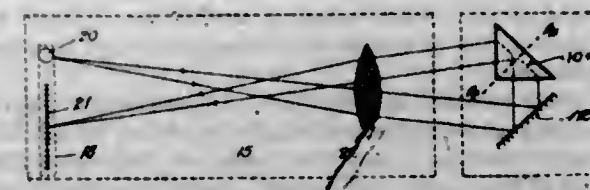
movement thereon in opposite directions to mesh alternately with the spaced gears on said pedal drive shaft, a shifting lever mounted on and removable with the top of said case and connected to said sliding gears, a third gear fixed to said counter shaft and a sprocket shaft journaled in said casing and having one end extended from said casing to receive a sprocket wheel and having within the casing a gear fixed thereon and in permanent mesh with the third fixed gear of the counter shaft, said pedal, counter and sprocket shaft, said pedal, counter and sprocket shafts being mounted in said case above its lower end to permit a completely closed lubricant holding case.

1,736,681. MANUFACTURE OF ARTIFICIAL THREADS, FILAMENTS, AND THE LIKE. CHARLES FRED TOPHAM, EDWARD HAZELEY, and ERIC ANDREW MORTON, Coventry, England, assignors to Courtaulds Limited, London, England. Filed Mar. 31, 1928, Serial No. 266,390, and in Great Britain May 23, 1927. 3 Claims. (Cl. 18-8.)



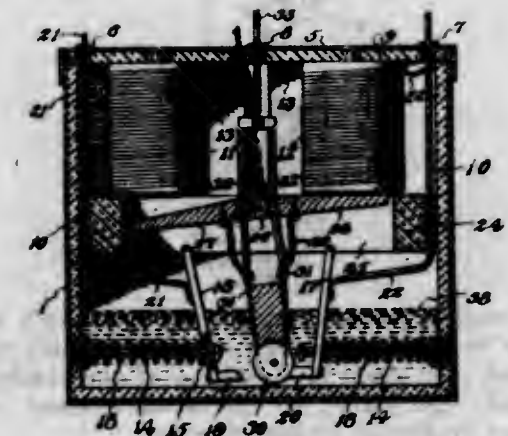
2. Apparatus for deforming cakes of artificial threads, filaments and the like obtained by the box spinning process, the said apparatus comprising a set of movable rods adapted to engage the outer periphery of a cake and means for moving the said rods towards the centre of the said cake so that the shape of the said cake is deformed.

1,736,682. OPTICAL LEVER. LOUIS BRYANT TUCKERMAN, Washington, D. C. Filed Oct. 17, 1923. Serial No. 668,970. 19 Claims. (Cl. 88-1.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



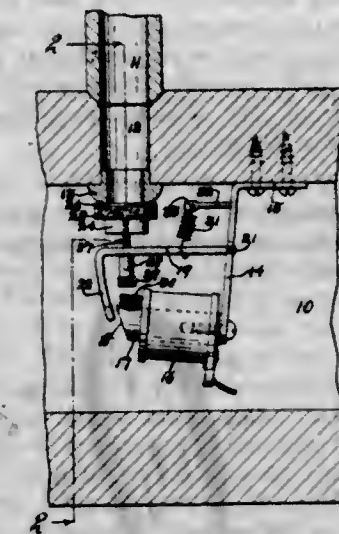
4. In an apparatus of the character described, in combination, an observing instrument, reflecting surfaces arranged to give a plurality and odd number of reflections, said reflecting surfaces being in two or more parts relatively movable with respect to each other and a collimator for projecting a beam of light on the reflecting surfaces and receiving the reflected beam of light.

1,736,683. SWITCH. CLAUDE S. WAKELAND, Wayland, Ky. Filed Dec. 10, 1927. Serial No. 239,058. 2 Claims. (Cl. 200-98.)



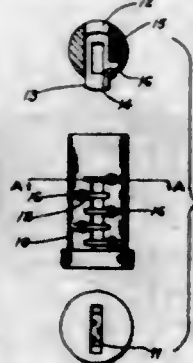
1. A switch for the purpose specified comprising a casing, a horizontal partition in the casing, a head pivotally connected with the partition, oppositely extending armature arms carried by the head, a bracket depending from the head and having a roller contact carried thereby, magnets mounted in the casing, bolts carried by the casing, hangers pivotally connected in the casing and slidably and yieldably engaged with the bolts, contact heads carried by the hangers for alternate engagement with the roller contact, and springs engaged on the bolts for urging the hangers toward each other, as and for the purpose set forth.

1,736,684. VALVE-OPERATING MECHANISM FOR ORGANS. LOUIS J. WICK, Highland, Ill., assignor to Wicks Pipe Organ Co., Highland, Ill., a Corporation of Illinois. Filed Mar. 14, 1928. Serial No. 261,509. 8 Claims. (Cl. 84-339.)



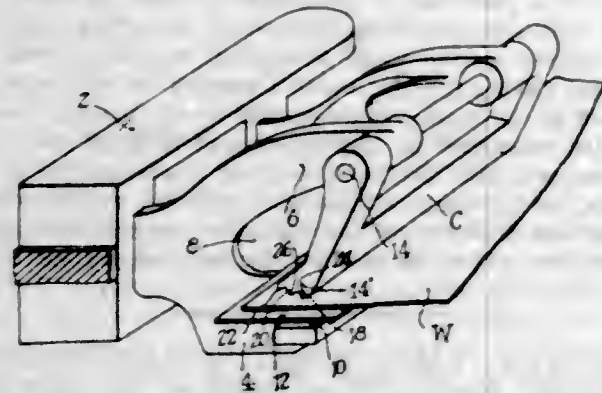
3. Valve mechanism for a conduit, comprising a bracket having an electro-magnetic member secured thereon, a valve for closing the conduit, an armature pivotally mounted on the bracket and carrying the valve, which is opened by actuating said member, a coil spring attached with one end to said armature, for closing the valve, and a post of bendable material connected to the other end of said spring and mounted on the bracket, said post being bendable for readily adjusting the tension of said spring and its effect on the valve.

1,736,855. LOCK. GEORGE WATSON WILDER, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Feb. 23, 1929. Serial No. 341,931. 7 Claims. (Cl. 70-46.)



2. In a tumbler plug, a tumbler chamber and a tumbler adapted to reciprocate therein, an edge of said chamber being staked over after the insertion of the tumbler into the chamber, said staked portion being adapted to limit the outward projection of said tumbler.

1,736,886. TENTER CLIP. JOHN H. WILLIAMS, Providence, R. I. Filed Mar. 5, 1929. Serial No. 344,326. 3 Claims. (Cl. 26-62.)



1. A tenter clip comprising in combination, a body having a plate portion for supporting a web, a clamp bar pivotally connected to said body above said plate portion having a free end depending towards said plate and disposed thereover for clamping a web to said plate, the free end of said bar being provided with alternate ridges and grooves and the said ridges being equidistant from said pivotal connection, the said pivotal connection of said clamp bar and body being located at a certain perpendicular distance from said plate portion and the said ridges being disposed at a greater distance from the pivotal connection than said certain perpendicular distance.

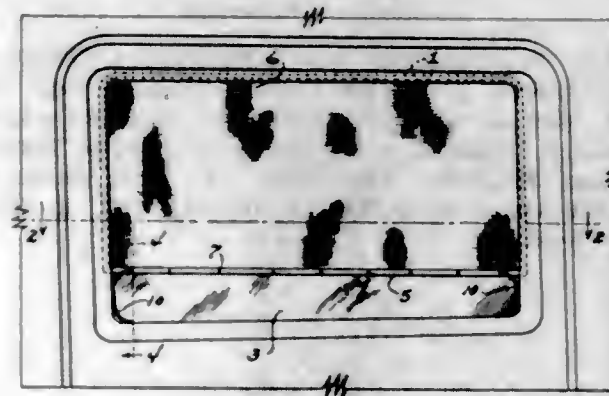
1,736,887. TOY ANIMAL. ALBERT E. WOOLNOUGH, St. Albans, N. Y. Filed Feb. 1, 1929. Serial No. 336,694. 2 Claims. (Cl. 46-40.)



1. A stuffed toy animal head having approximately fan-shaped ears secured thereto comprising wire frames pro-

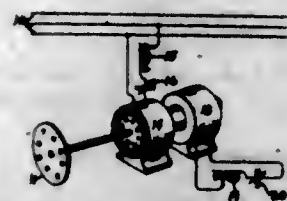
vided with suitable coverings, each of said frames comprising a resilient wire bent to loop shape with the ends of the wire crossed, and diverging beyond the crossing point, said crossed and diverging portions being embedded in the stuffing.

1,736,688. VEHICLE SCREEN. GORDON S. YERBY and JOHN F. HEWITT, Portland, Oreg. Filed Jan. 28, 1929. Serial No. 335,650. 3 Claims. (Cl. 156-14.)



2. A screen for the glass or sash openings of the closed type of automobiles having a flexible frame designed to be bowed to permit of the same being inserted in the glass frame and thereafter expanded to frictionally engage with such frame and swingable substantially U-shaped spring members on the lower edge of the frame for contacting with the lower walls of the sash frame, and removable rubber strips carried by the lower bar of the screen frame for contacting the glass or sash and to stop the opening between the said glass or sash and the screen frame.

1,736,689. SPEED-CONTROL SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 26, 1928. Serial No. 264,715. 11 Claims. (Cl. 172-274.)



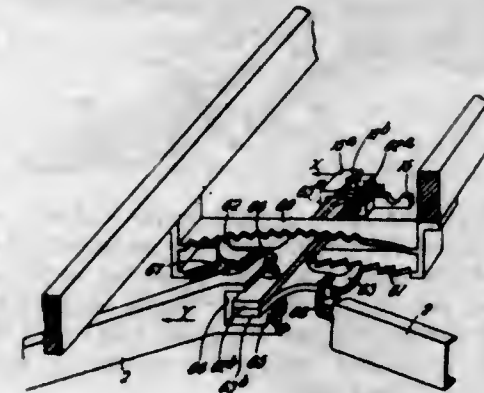
1. A speed control system for asynchronous motors comprising in combination with such a motor an alternating current source subject to frequency variations, and a resonant circuit through which said motor is supplied from said source, said circuit being tuned to modify the voltage supplied to said motor in response to changes in the frequency of said source.

4. A speed control system for an alternating current motor having characteristics which cause its speed to be directly proportional to both the frequency and the voltage variations of the source of supply, and a resonant circuit through which said motor is supplied.

6. A speed control system for induction motors comprising, in combination with such a motor, adjustable tuning means connected in series relation with the supply terminals of said motor.

8. A speed control system for asynchronous motors comprising, in combination with such a motor, a tuning circuit through which said motor is supplied and a load device driven by said motor, said tuning circuit and load device being adjustable to regulate the speed of said motor.

1,736,690. ROLLING STOCK OF RAILWAYS, TRAMWAYS, OR ROAD TRANSPORT. PAUL ALGRAIN, La Croyere, Belgium. Filed Dec. 22, 1928. Serial No. 328,034, and in Belgium Feb. 23, 1928. 5 Claims. (Cl. 105-166.)



1. In rolling stock, a central truck, an end truck pivoting about the central truck, a rod for controlling the connection between the end truck and the central truck, a lever moved by said rod and engaging and pivotally moving said end truck, and means for preventing movement between said end truck and the central truck connected to said lever and released thereby only when the lever is moved by said rod.

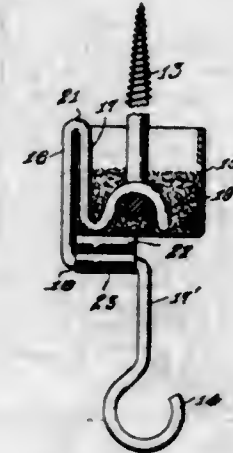
1,736,691. FEED-GATE CONTROL. OLE F. APLIN, Culbertson, Mont. Filed Jan. 30, 1928. Serial No. 250,542. 1 Claim. (Cl. 74-39.)



A control device for gates, valves and the like comprising two complementary members, one having means for connection with the object to be controlled and the other means for connection with a support, a ball-bearing thrust bearing located between said members, one of said members having an angular bolt hole therein, a square shouldered bolt adapted to be passed through said members with the shoulder thereof located in said opening to prevent turning of the bolt, a hand wheel threaded on said bolt, and a coiled spring located between the hand wheel and the outer member whereby the parts are yieldably held in adjusted position, the hand wheel being adjustable to vary the tension of the spring without necessitating the use of any tools.

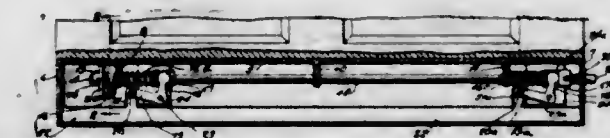
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1,736,692. LUBRICATING DEVICE. JOHN H. BARGESSE, McKees Rocks, Pa. Filed Feb. 20, 1928. Serial No. 255,746. 2 Claims. (Cl. 184-1.)



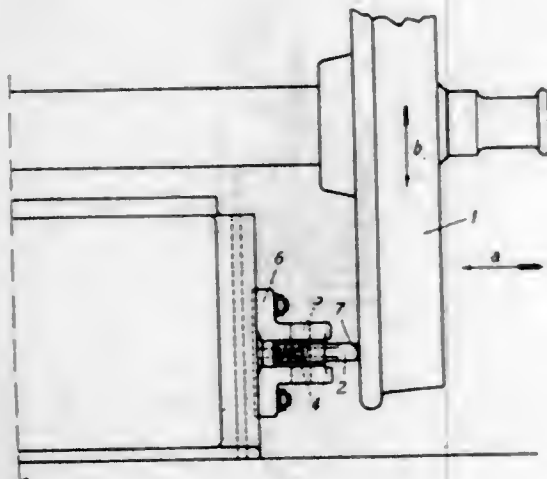
1. A lubricating device comprising in combination with a hanger element, a supporting hook swingingly engaged therewith and a lubricant container located at the point of engagement of the hook with the hanger element.

1,736,693. COMBINATION WEATHER STRIP. JOHN J. BEHEN, Soledad, Calif. Filed June 12, 1929. Serial No. 370,335. 7 Claims. (Cl. 20-68.)



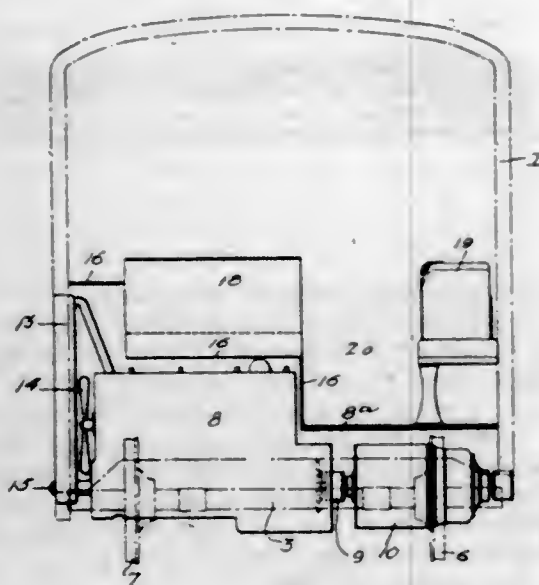
1. A weather-strip structure comprising a structural metallic frame mounted in a longitudinal groove in the bottom of a door, a rod mounted in the frame for regulated axial displacement, a cam plate secured to the left end of said frame, a vertically-disposed crank mounted in said frame in contact with said plate and a bearing, means on both sides of the door to actuate said crank, a spring means under partial compression between said bearing and a cam-block rigidly secured to the rod, said crank being adapted to traverse said rod to the left, said spring being adapted to draw the rod back to normal when the crank is turned back to vertical; said cam block having vertical parallel sides forming grooves for inter-engagement with a bifurcated angle crank whose upper ends fork the shaft from below, the angle of said crank being pivoted to the frame, the lower limb of said crank making slotted engagement with means connecting the left hand end of a weather-strip member thereto, the under surface of said member being composed of yieldable matter adapted to make a perfect closure beneath the door, the elements adjacent the right-hand end of the device comprise a bearing, a similar spring to the former under partial compression between said bearing and a cam-block being a similar cam-block to the former, a bell-shaft projecting therefrom in a horizontal plane, a bifurcated crank similar to the former engaging said cam-block and said weather-strip, said bar projecting outwardly from said frame to contact with an abutment element carried by a door-post; said parts and elements constituting means, whereby when the door shuts, or when the foot crank is operated the resilient strip will descend and make perfect closure beneath the door.

1,736,694. STOP FOR LOCATING WORK IN MACHINE TOOLS. ERNST BLAU, Berlin, Germany. Filed Feb. 4, 1929, Serial No. 337,388, and in Germany Feb. 4, 1928. 6 Claims. (Cl. 82-8.)



1. In a machine tool a stationary support and an abutment member so mounted thereon as normally to assume an operative position to engage the work and locate it when the work is stationary, such abutment automatically moving relatively to its support into an inoperative position when the work is in motion.

1,736,695. GAS-ELECTRIC CAR. JAMES A. BROOKS, Kirklyn, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 11, 1928. Serial No. 311,811. 3 Claims. (Cl. 105-35.)

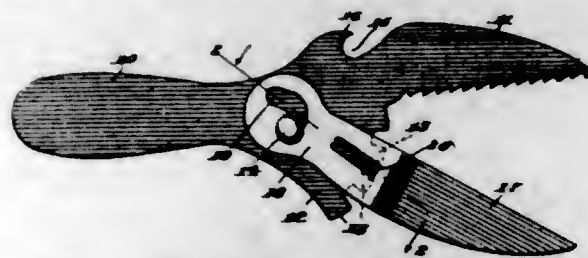


1. In a gas-electric car, a frame having a central depression in one side thereof, the opposite side being continuous, a prime mover extending transversely of said car and seated in said depression, and a generator connected thereto and in line therewith, the generator lying entirely underneath the floor of said car, and the prime mover extending partly therethrough, whereby seats may be supported from the floor over the generator, and by a housing over the prime mover.

1,736,696. ADJUSTABLE WRENCH. LINDSAY THORNE CRABBE, Chicago, Ill., assignor to Phoenix-Hermetic Company, Chicago, Ill., a Corporation of New York. Filed Dec. 29, 1927. Serial No. 243,347. 2 Claims. (Cl. 81-111.)

1. In a device of the class described, a first member having a handle, a stationary jaw and a toothed sector; a

second member having a movable jaw and an adjusting portion and a dog offset from the plane of said adjusting portion, said adjusting portion having an L-shaped slot therein; and a stop member on said first member to engage in said slot; so that when said second member is moved until the stop is at one end of said slot, the dog is



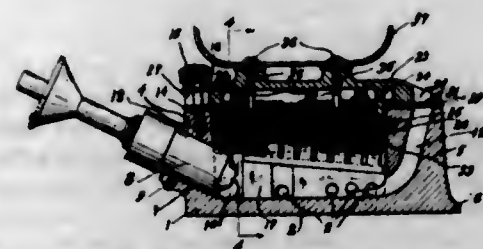
disengaged from the teeth of said sector and the movable jaw may be moved toward or from the stationary jaw; and so that when the second member is moved until the stop is at the other end of said slot, the dog is engaged between teeth of said sector and the jaws are held rigid with respect to each other and the second member is prevented from movement during use.

1,736,697. NECKTIE. LOUIS DAVIDOFF, Brooklyn, N. Y. Filed Feb. 6, 1929. Serial No. 337,918. 1 Claim. (Cl. 2-150.)



In a device of the class described, a clamp of a shape resembling the knot of a neck-tie and about which a neck-tie is adapted to be secured comprising a pair of pivotally connected sections having their abutting edges recessed in staggered relation, clamping bars bridging the respective sections and fitting within the staggered recesses of the opposite sections so that the clamping bars of the respective sections are in overlapping position to provide a passage therebetween, a neck-band having its free ends passing through slots in said sections and threaded through said passage between said clamping bars, and spring means acting upon said sections to spread them apart to cause said clamping bars to tightly grip the free ends of said neck-band to hold the same in an adjusted position.

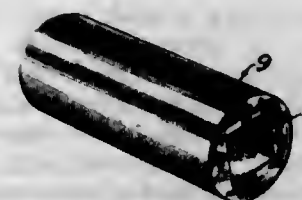
1,736,698. IRON. ERNEST L. DAVIS, Cleveland, Ohio, assignor to The Acetylene Stove Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 12, 1927. Serial No. 225,697. 10 Claims. (Cl. 158-23.1.)



8. In a self-heating iron, the combination with a recessed body portion having a thickened nose portion, a gas inlet tube extending through the rear wall into said recess, an exhaust passage extending from said recess upwardly through the thickened nose portion of said body, and air-inlet apertures in the lateral walls of said body portion and leading to said recess, of a cover for said

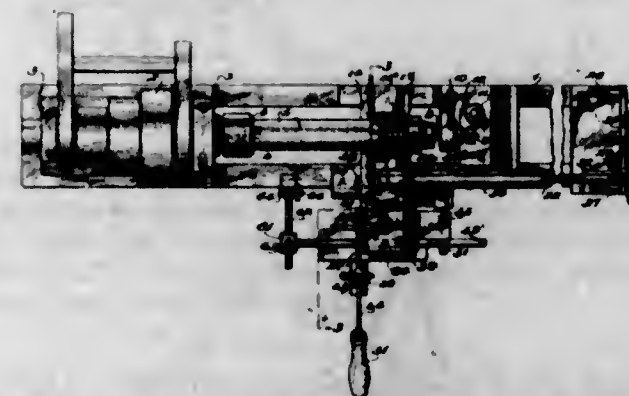
body portion comprising a plate having an aperture in its forward end adapted to register with the outer end of said exhaust passage, a downwardly extending projection adjacent the forward end of said plate, means carried by said projection for engagement with a recess provided in said nose portion, means for clamping the rear end of said plate in position, a pair of apertures adjacent the upper edge of each side wall of said body portion, a gasket clamped between said plate and said body portion, and a screen in said body portion and bearing against the under surface of said gasket for shielding said apertures.

1,736,699. METHOD OF FORMING VULCANIZED FIBER TUBES. HOMER J. DAVIS, Wilmington, Del. Filed Dec. 31, 1927. Serial No. 243,982. 7 Claims. (Cl. 18-53.)



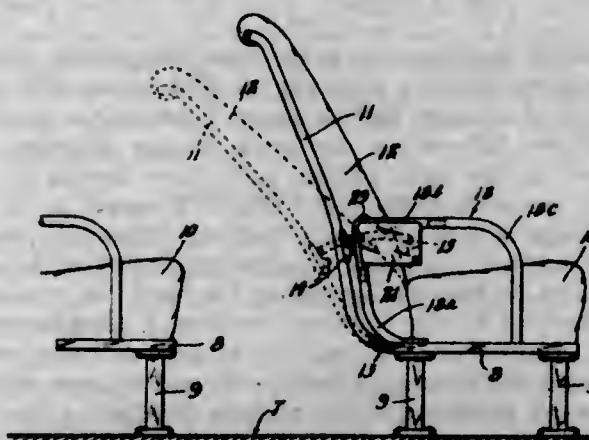
1. A method of forming chemically reconstituted tubes consisting in winding fibrous matter in an acid wet state about a multisided mandrel, purging, then drying said matter upon the mandrel and then finishing the same by calendaring.

1,736,700. MACHINE FOR CUTTING OR SHEARING TUBES. HOMER J. DAVIS, Wilmington, Del. Filed Feb. 11, 1928. Serial No. 253,695. 6 Claims. (Cl. 164-69.)



1. In a tube cutting machine, a rotary cutting means, motion transmitting means carried adjacent said cutting means and rotatable therewith, a rotary mandrel, a cutting head removably engaged with one end of said mandrel co-operable with said cutting means and adapted to have connection with and to be driven by said driving means, and means for moving said cutting head and mandrel towards and from said cutting means and driving means.

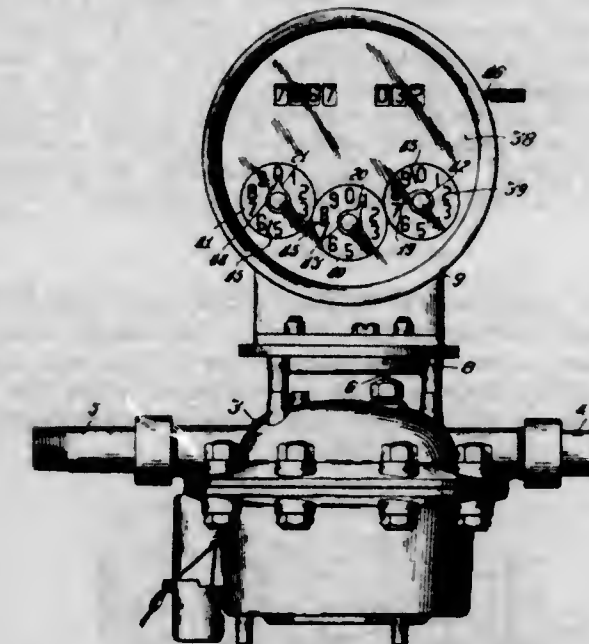
1,736,701. ADJUSTABLE SEAT. PETER S. ECKLAND, Minneapolis, Minn. Filed Oct. 1, 1928. Serial No. 309,380. 6 Claims. (Cl. 155-163.)



2. In an adjustable seat construction, a base, a back frame pivoted at its lower end to said base, a casing

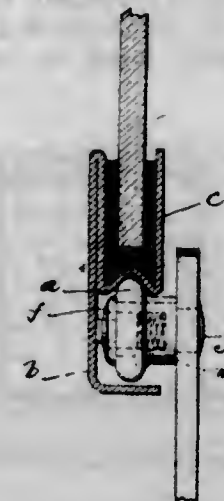
mounted to oppose a portion of said back frame forwardly therefrom, an arcuate ratchet bar pivoted at its rear end to said back frame and projecting forwardly into said casing, a grooved block of sound deadening material mounted within said casing, the forward end of said ratchet bar fitting within the groove thereof and working therein, a spring pressed pawl mounted within said casing and adapted to normally engage with one of the teeth of said ratchet bar and a member accessible from the outside of said casing for moving said pawl out of engagement with the teeth of said ratchet bar.

1,736,702. INSPECTION INDICATOR. JAMES D. ELSON, Evanston, Ill., assignor to Economy Electric Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1926. Serial No. 81,242. 10 Claims. (Cl. 116-114.)



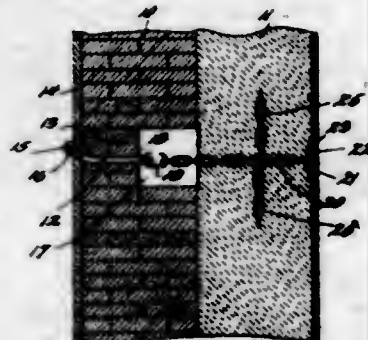
1. The combination with an inspection indicator comprising a member operable to indicate a predetermined time for inspection, of means actuated by the consumption of a predetermined amount of fuel for moving said indicator to such indicating position, and means for resetting said indicator.

1,736,703. WINDOW-REGULATOR CONNECTION. FREDERICK J. FAUSER and FRANK M. EDGAR, Detroit, Mich., assignors to Ternstedt Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed May 26, 1926. Serial No. 111,738. 3 Claims. (Cl. 268-126.)



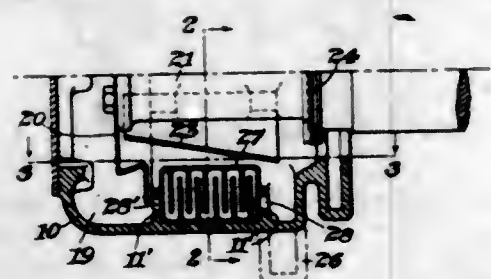
1. A traveling connection for use between a window regulator and window sash track, comprising a member arranged for engagement with the window sash track in traveling relation and including a yieldable portion projecting from the end of such member for continuous contact with the side of the track, the contacting surface between said projecting portion and said track being relatively small.

1,736,704. FLEXIBLE TIE FOR PLASTIC FURNACE LININGS. SAMUEL C. GILBERT, Hartsville, S. C. Filed May 2, 1928. Serial No. 274,654. 11 Claims. (Cl. 72-103.)



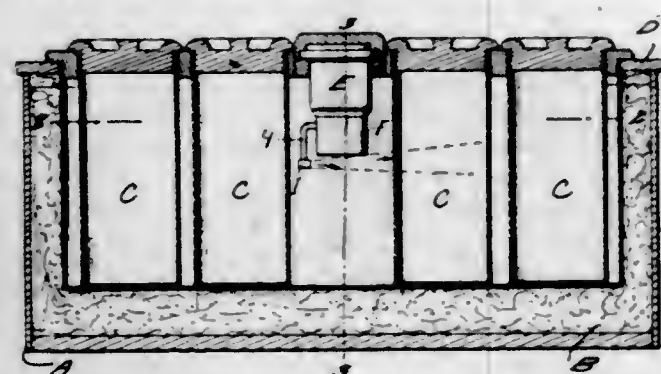
1. Means for anchoring plastic linings to furnace walls, comprising in combination, a member adapted to be secured to a furnace wall, a chain one end of which is adapted to be embedded in a plastic lining for said wall and means for connecting said member to the other end of said chain whereby the plastic lining is maintained in close proximity to the furnace wall but is permitted to move in expanding and contracting through short distances in directions parallel to the wall without cracking or bulging.

1,736,705. AUTOMATIC LUBRICATING JOURNAL BOX. GEORGES GRANDJEAN, Les Forgets, Isle Adam, France, assignor to Isothermos Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Feb. 9, 1929, Serial No. 338,861, and in Switzerland Nov. 14, 1928. 7 Claims. (Cl. 308-86.)



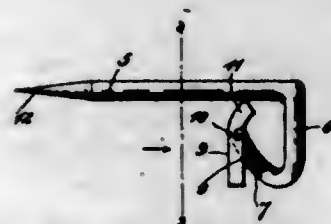
1. An oil purifying device for journal boxes comprising a casing separate from the box adapted to be inserted into and removed from the latter, said casing having oil baffle plates therein and being provided at one point with an oil inlet opening and at another point with an oil outlet opening.

1,736,706. REFRIGERATING SYSTEM. ALBERT JONES, Baltimore, Md., assignor to himself, Maurice K. Heartfield, Washington, D. C., and James M. Decker, Baltimore, Md. Filed Feb. 5, 1927. Serial No. 168,118. 7 Claims. (Cl. 62-92.)



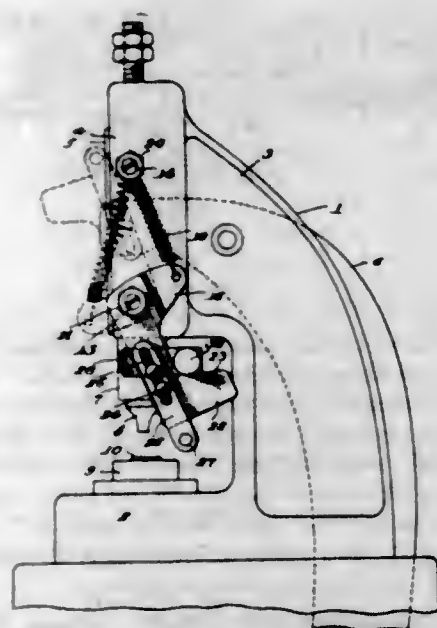
1. In a refrigerating system the combination with a container for carbon dioxide ice in the upper part of said system, a closed extension space below the container in connection with the interior of the container and a nozzle connected with the extension and directing a jet of vaporized gas adjacent to the wall of the container.

1,736,707. WIRE-FENCE STAPLE. HAROLD LAKE, Oshkosh, Nebr. Filed Apr. 15, 1929. Serial No. 355,237. 2 Claims. (Cl. 250-48.)



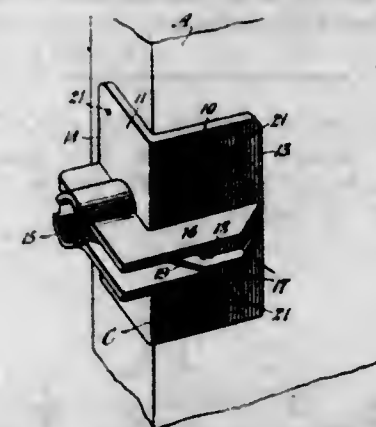
1. A staple comprising a short metal rod whose major portion constitutes a horizontal shank, said rod being bent downwardly at the outer end of said shank and then bent inwardly and upwardly, providing an inwardly inclined arm which terminates in downwardly spaced relation with said shank, a short vertically disposed bar at the upper end of said arm, and a transverse pivot connecting said bar loosely with said arm, said bar inclining above said pivot toward said outer end of the shank and abutting the lower side of the latter, the lower end of said bar extending a sufficient distance below said pivot to allow gravity to hold the bar in vertical position.

1,736,708. GUARD FOR FOOT PRESSES. GEORGE W. LAKE, Providence, R. I. Filed Aug. 27, 1928. Serial No. 302,268. 1 Claim. (Cl. 74-105.)



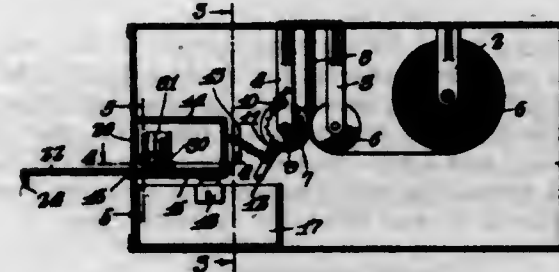
A safety appliance for metal stamping presses, comprising a plate which is pivotally secured to one side of the head of the punch, spring means between the plate and punch for influencing the same in one direction with respect to the said punch, said plate having a lower lateral extension whose upper edge is arranged at an angle to provide a cam surface, a C-clamp adjustably fixed on the plunger of the press, a roller journaled on the clamp for travel on the cam surface of the plate, an arm adjustably secured to the plate and extending therebeyond, an angle extension on the end of the arm movable between the punch of the plunger and the die of the press, upon the downward movement of the plunger incident to the travel of the roller over the cam surface of the plate, prior to the contact of the punch with the die.

1,736,709. GAUGE FOR APPLYING HINGES. ERNEST FLAGG, New York, N. Y. Filed Apr. 23, 1929. Serial No. 357,474. 2 Claims. (Cl. 144-27.)



1. In a gauge for applying hinges, a base including connected right angularly related walls having a common transverse saw guide slot extending therethrough and a drill guide opening extending through one of said walls in intersecting relation to the guide slot.

1,736,710. TICKET-VENDING MACHINE. JOSEPH HULIN, North Chicago, Ill. Filed Dec. 10, 1928. Serial No. 325,017. 3 Claims. (Cl. 194-93.)



1. A vending device comprising a pair of coin slides, means for preventing movement of the slides unless a coin is placed in an opening in each slide and means for detachably connecting the slides together in either one of two positions, thereby rendering one of the slides ineffective for locking said vending device.

1,736,711. RECORD BINDER. ERNEST W. JACKSON, Austin, Tex. Filed Apr. 10, 1928. Serial No. 268,974. 6 Claims. (Cl. 129-24.)



1. A record binder comprising a pair of cover sections and a back section, cooperative hinge members carried by the adjacent side edges of said sections, record binding members extending transversely of the inner side of said back section, attaching portions formed at the opposite ends of said binding members and cooperative with said hinge members, means interconnecting said hinge members together, and means engageable with said first-mentioned means for securing said binding members in their operative positions.

1,736,712. PROCESS FOR IMPROVING COTTON. LEON LILIENTHAL, Vienna, Austria. Filed May 10, 1924, Serial No. 712,473, and in Austria May 23, 1923. 11 Claims. (Cl. 8-20.)

1. Process of improving cotton, which process comprises treating cotton with caustic alkali and carbon bisulphide in such a manner that the initial swelling of the cotton fibre by the caustic alkali solution takes place in presence of carbon bisulphide.

1,736,713. PROCESS OF IMPROVING COTTON. LEON LILIENTHAL, Vienna, Austria. Filed May 10, 1924, Serial No. 712,474, and in Austria May 23, 1923. 20 Claims. (Cl. 8-20.)

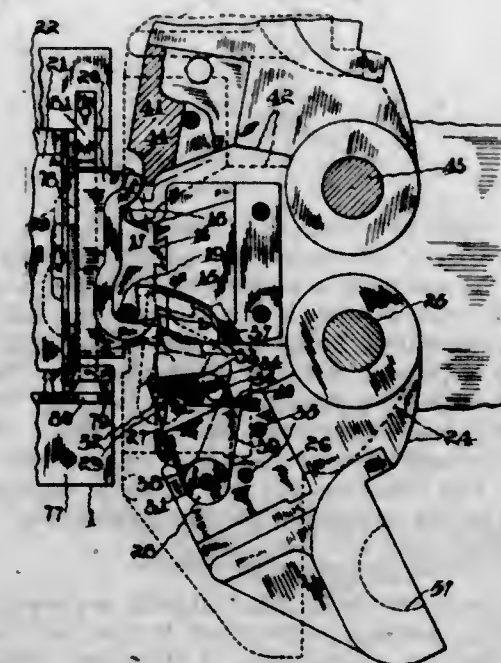
1. The process of improving cotton which comprises treating it with carbon bisulphide in the presence of caustic alkali at a temperature which does not substantially exceed 5° C.

1,736,714. VEGETABLE TEXTILE MATERIAL AND PROCESS FOR PRODUCING SAME. LEON LILIENTHAL, Vienna, Austria. Filed July 23, 1924, Serial No. 727,808, and in Austria Apr. 4, 1924. 20 Claims. (Cl. 8-20.)

1. As new products, vegetable textile fibrous materials which, without having been finished by means of a cellulose ether of a mono-hydroxyl carboxylic acid supplied from outside, contain a cellulose ether of a monohydroxy carboxylic acid soluble in alkali, but not in water.

17. The process of treating vegetable textile fibrous material which comprises subjecting said material to the action of caustic alkali and thereafter to the action of a monohalogen derivative of a fatty acid and preserving the textile character of said material throughout the said actions.

1,736,715. METHOD OF AND APPARATUS FOR FORMING HOOK BARS. JAMES J. MARSHALL, Galt, Ontario, Canada, assignor to Canada Machinery Corporation Limited, Galt, Canada. Filed Feb. 16, 1924. Serial No. 693,183. 12 Claims. (Cl. 78-81.)

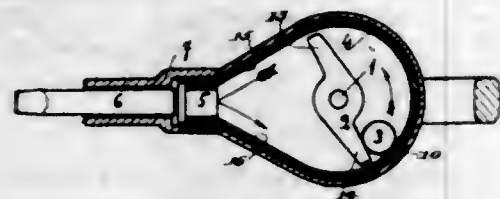


11. Apparatus for forming a hook bar with a return bent hook which comprises a pair of dies, one of which has a lip at one side and the other of which is shaped to cooperate with the first to grip the bar and partly bend its end round the said lip; and a third die mounted to move in a direction approximately parallel to the unbent part of the bar to upset the end of the bar over the said lip to complete the hook, the die being shaped to partly receive the said end to maintain its shape laterally.

1,736,716. PORTABLE IMPACT TOOL. FRANK MICHELSON, Helsingfors, Finland. Filed Mar. 13, 1929, Serial No. 346,754, and in Finland Sept. 26, 1928. 2 Claims. (Cl. 125-33.)

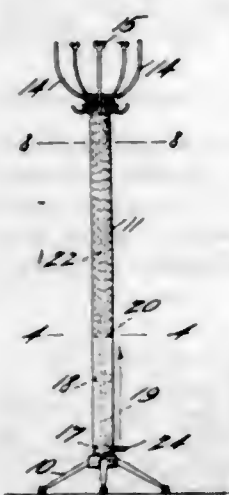
1. A mechanically driven tool comprising a casing having an inside peripheral track having a portion of circular curvature, a ball in said casing, rotatable means engaging

said ball and carrying it around said circular portion, thus engendering centrifugal force in said ball, said track having rectilinear portions tangent to said circular portion for permitting release of said ball at a certain point



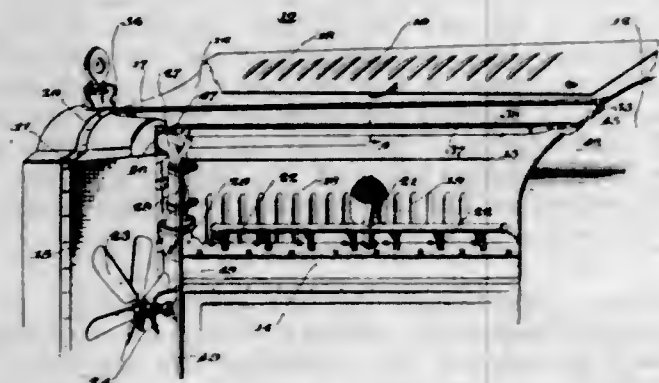
in the rotation of said rotatable means, whereby said ball is flung centrifugally, parallel to one of said rectilinear portions, an anvil in the path of said ball, the other rectilinear portion being parallel to the path of recoil of said ball from said anvil.

1,736,717. COMBINED RACK AND CLOTHES DRIER. CLARENCE C. MOORE, Wakarusa, Ind. Filed Mar. 30, 1929. Serial No. 351,371. 3 Claims. (Cl. 211-172.)



1. In a combined rack and clothes drier, a tubular standard having a vertically disposed slot, guiding means slidable in the standard, a staff carried thereby, a member on the staff, arms pivoted to the member and adapted to assume approximately horizontal positions and positions approximately parallel with the staff, means on the guiding member projecting through the slot whereby the guiding member is moved vertically of the standard, brackets on the said standard near its upper end and projecting thereabove, and seats on the brackets for engaging the arms when in approximately horizontal positions.

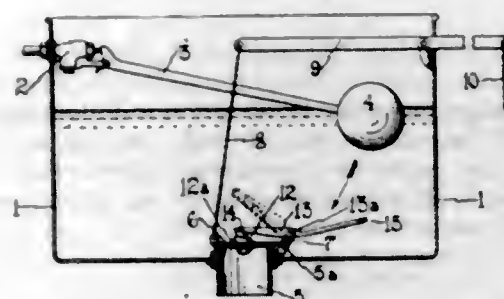
1,736,718. MOTOR VEHICLE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 28, 1924. Serial No. 688,988. 5 Claims. (Cl. 180-69.)



1. In a motor vehicle having a radiator, a dash, an engine between the radiator and the dash, and a hinged

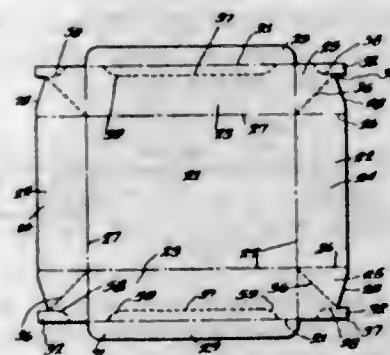
bonnet supported between the radiator and the dash to cover the engine, a spacing member connecting the radiator and the dash to hold these members against relative movement and having a trough shaped portion disposed beneath the hinge of the bonnet.

1,736,719. FLUSHING VALVE FOR CISTERNS. NORMAN ANDREW MORRO, Auckland, New Zealand. Filed Mar. 9, 1928. Serial No. 260,430, and in New Zealand Mar. 15, 1927. 3 Claims. (Cl. 4-53.)



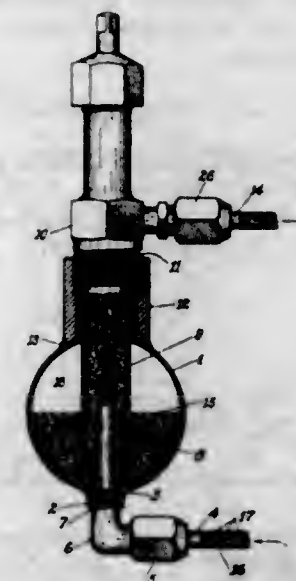
1. A flushing valve for cisterns, hinged to one side of its seating, and having on its top a catch located below an arm pivoted over the valve hinge, a pawl formation on said arm for engaging the catch on the valve when the latter is raised and a tail piece on said arm adapted to be struck by a descending float to disengage the pawl formation from the catch and allow the valve to close.

1,736,720. BOX CONSTRUCTION. JOSEPH R. MYERS, Chicago, Ill. Filed Oct. 9, 1926. Serial No. 140,501. 2 Claims. (Cl. 229-34.)



1. A foldable box formed from a blank having marginal portions providing side and end walls and having marginal corners scored diagonally whereby each marginal corner may be folded upon itself in triangular formation, each of said marginal corners having segmental lines of weakened union formed therein, and said end walls having lines of weakened union formed therein with end portions thereof adapted to coincide with the segmental lines of weakened union, locking flaps forming a continuation of the end walls, and means for securing said locking flaps to portions of the marginal corners and to the end walls whereby said locking flaps will automatically dispose themselves in locking position over the marginal corners when folded.

1,736,721. MEANS FOR PASSING LUBRICANTS DIRECTLY THROUGH LIQUID RECEIVERS IN REFRIGERATION APPARATUS. LEE V. MYERS, Fort Wayne, Ind., assignor, by mesne assignments, to The Wayne Home Equipment Company, Fort Wayne, Ind., a Corporation of Maryland. Filed Nov. 17, 1927. Serial No. 233,939. 4 Claims. (Cl. 62-115.)



1. In a refrigeration system through which lubricant is circulated mixed with refrigerant, a liquid receiver and means connected with said liquid receiver for passing said lubricant directly through said receiver while permitting part of the liquid refrigerant to be deposited therein.

1,736,722. MEANS FOR ATTACHING NAME PLATES AND OTHER ARTICLES. AUGUSTUS L. NEWMAN, Cranston, R. I., assignor, by mesne assignments, to Northern Engraving Company, La Crosse, Wis. Filed May 5, 1928. Serial No. 275,524. 8 Claims. (Cl. 40-20.)

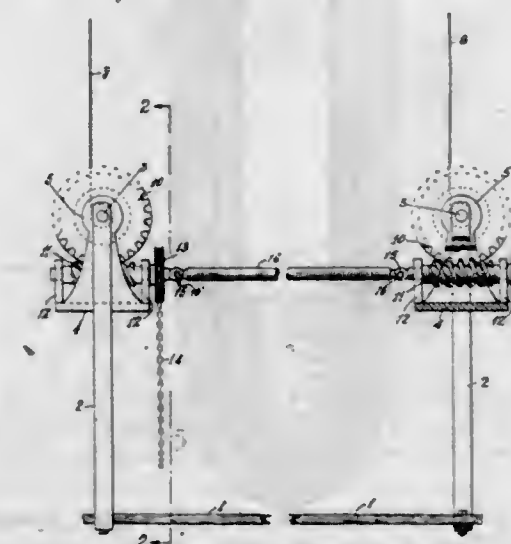


1. Means for attaching a name-plate to a radiator shell or other structure having an orifice, comprising a gripping member on the back of the plate having a plurality of plain peripheral portions adapted to engage and frictionally grip the interior walls of the orifice, and sharp pointed teeth associated with said gripping member between the plain portions and extending beyond the same to adapt them to bite into the walls of the orifice to prevent the gripping means from turning or skewing therein.

1,736,723. TACKLE TO SUPPORT SCAFFOLDS OR SIMILAR DEVICES. MANUEL AURELIO SERRA Y PEREZ, Habana, Cuba. Filed Sept. 10, 1926. Serial No. 134,740, and in Cuba June 22, 1926. Renewed Oct. 3, 1929. 3 Claims. (Cl. 304-18.)

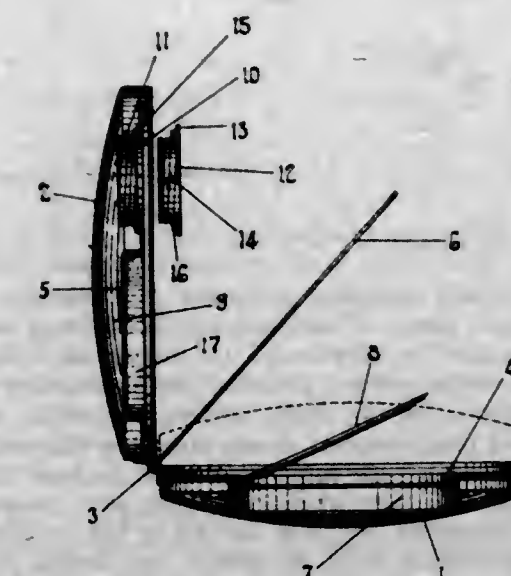
1. A cable-suspended scaffold support including a shaft, a pair of cable drums fixed thereon, a yoke hung from the shaft and adapted to cradle one end of a scaffold, a second yoke hung from the shaft and held against endwise movement thereon by the first yoke, said second yoke

including arms preventing endwise movement of the cable drums on the shaft, a gear on the drum shaft, an operat-



ing shaft supported on the second yoke and carrying a worm engaged with the gear, and means for rotating the operating shaft.

1,736,724. LIQUID CONTAINING COMBINATION COMPACT. BERNARD G. SETVATE, Indianapolis, Ind. Filed Dec. 15, 1928. Serial No. 326,163. 4 Claims. (Cl. 132-83.)

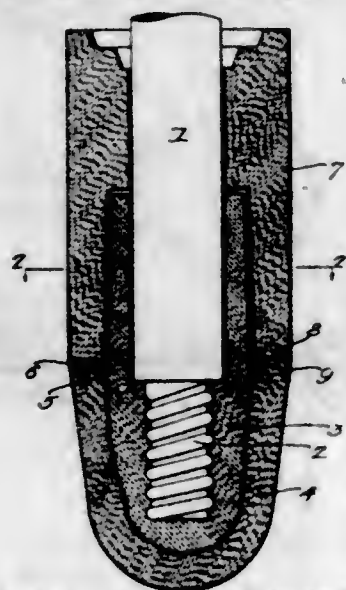


1. In a compact, a pair of hinged sections; a wall in each section set inwardly from the open edges of the sections to form a housing space, one of said walls forming a liquid receiving compartment in one of said sections; a threaded collar extending inwardly from the inner face of said last mentioned wall; a closure member adapted to enter said collar and have its outer face substantially flush with the outer face of said wall and a mirror adapted to nest in the aforesaid housing space, whereby the two sections may be closed without encountering any internal obstructions.

1,736,725. STOPPER. JAMES E. SHEAFFER, Burnham, Pa. Filed July 31, 1928. Serial No. 296,552. 3 Claims. (Cl. 22-25.)

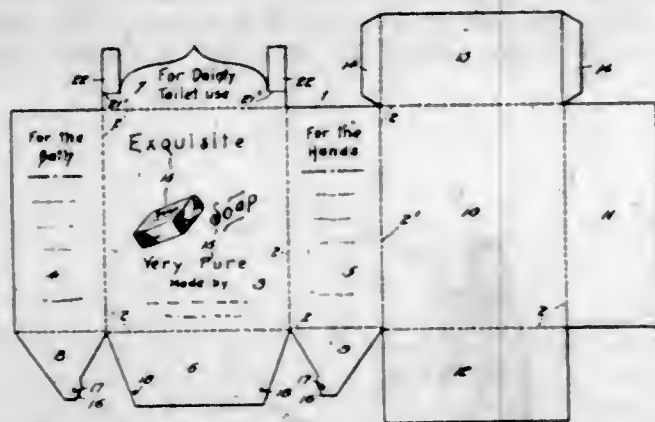
1. The combination of a stopper head; a brick sleeve abutting the stopper head; a lining for said stopper head

extending upwardly beyond the joint between the stopper head and the sleeve, said sleeve having a recess in which the



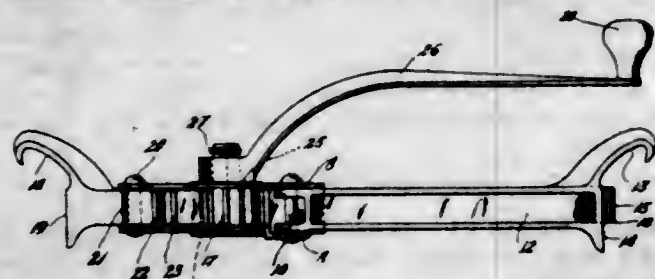
extension is located; and a rod extending through the sleeve and through the extension of the lining and attached at its lower end to said lining.

1,736,726. COMBINED SHIPPING CONTAINER AND DISPLAY DEVICE. HUGH C. YOUNG, Cleveland, Ohio, assignor to Hosea T. Bradner, Cleveland, Ohio. Filed Oct. 5, 1923. Serial No. 666,733. 11 Claims. (Cl. 206-44.)



1. A combined shipping container and display device formed from a sheet of material and comprising sections foldable relative to each other to enclose an article or articles for transportation purposes and provided with advertising matter on the inner surface of certain of said sections, and reinforcement means engaging adjoining sections of said device for supporting them in fixed relation when arranged in their display position, said means comprising an extension provided on one of the sections and foldable backwardly upon its section and across the line of fold between said section and the adjoining section, and connections between the free end of the extension and the latter section.

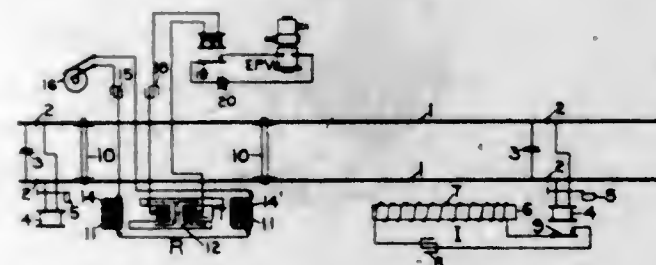
1,736,727. TIRE-RIM TOOL. HAROLD W. CLARK, Alliance, Ohio, assignor to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Filed Dec. 9, 1927. Serial No. 238,829. 2 Claims. (Cl. 74-27.)



1. In a device of the character described, a frame having opposite side walls and forming a guideway, a toothed

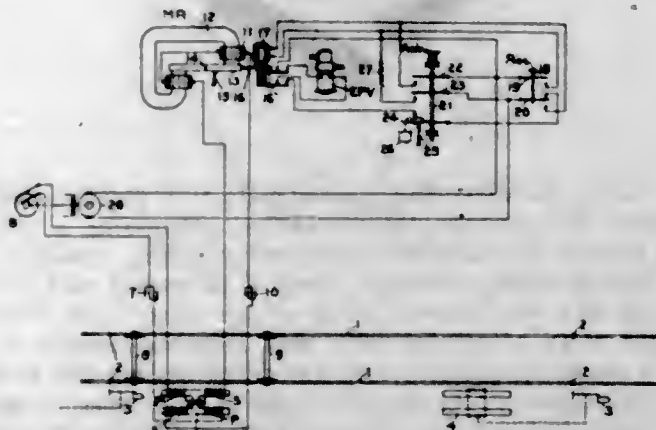
rack slidably mounted in said guideway, oppositely disposed bearing apertures in said walls, one of the apertures being of larger diameter than the other, a pinion element comprising a pinion engaging the rack and having large and small cylindrical portions arranged at its ends, the pinion element also comprising a projection extending from one of the cylindrical portions, the larger cylindrical portion being of greater diameter than the pinion and journaled in the larger one of the bearing apertures, the smaller one of the cylindrical portions being journaled in the smaller one of the bearing apertures, and a handle fixed to the projection.

1,736,728. TRAIN-CONTROL SYSTEM FOR RAILROADS. WILLIAM D. HAILES, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Apr. 18, 1927. Serial No. 184,675. 11 Claims. (Cl. 246-63.)



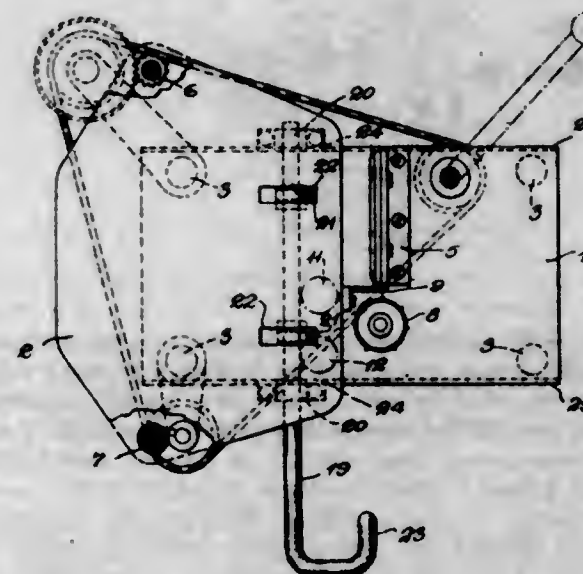
1. In a train control system, a trackway inductor controlled in accordance with traffic conditions ahead, a car-carried receiver positioned to be inductively associated with the inductor, and including a primary core and a separate H shaped secondary core, a primary winding on the primary core, and a secondary winding on the cross bar of the H shaped secondary core.

1,736,729. TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 12, 1927. Serial No. 174,831. 11 Claims. (Cl. 246-63.)



1. In a train control system, a normally energized alternating current car-carried element controlled in accordance with traffic conditions, an electric brake applying device normally energized to hold off the brakes and controlled by the said element, and means to only temporarily suspend the control between the element and device and only when said element is energized including a manually controlled electro-magnetic means having an energizing circuit including a current limiting means.

1,736,730. FILM-HANDLING APPARATUS. HERBERT GEORGE PONTING, Oxford Circus, London, and GEORGE WILLIAM FORD, Kensington, London, England, assignors to Warren Dunham Foster, Washington Township, N. J. Original application filed Mar. 11, 1922, Serial No. 542,898, and in Great Britain Mar. 30, 1921. Divided and this application filed Sept. 16, 1929. Serial No. 392,890. 29 Claims. (Cl. 88-17.)



29. In a film handling apparatus, an openable gate, toothed means to feed a film through said gate, and movable film engaging means necessarily effective when said gate is open to protect the film from the teeth of said feeding means.

1,736,731. EYE DROPPER. RUTH W. BREEDING, Philadelphia, Pa., now, by judicial order, Ruth G. Williams. Filed Feb. 11, 1928. Serial No. 253,551. 2 Claims. 215-58.)

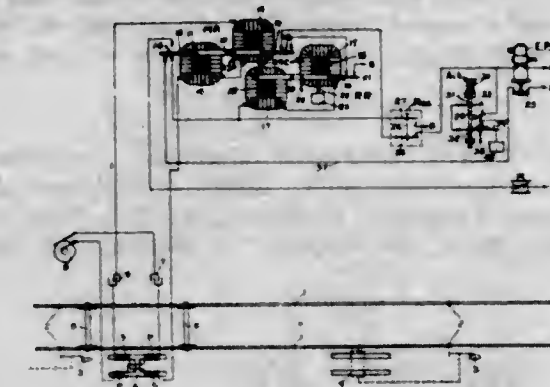


1. An article of the character stated comprising a spirally wound, fibrous member, the meeting, overlapping edges of which are adhesively secured, the spiral, tapered parts terminating in a generally elongated cylindrical portion, and a rubber bulb attached to said member, the structure throughout being of circular cross section.

1,736,732. TRAIN-CONTROL SYSTEM. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 1, 1927. Serial No. 171,820. 22 Claims. (Cl. 246-63.)

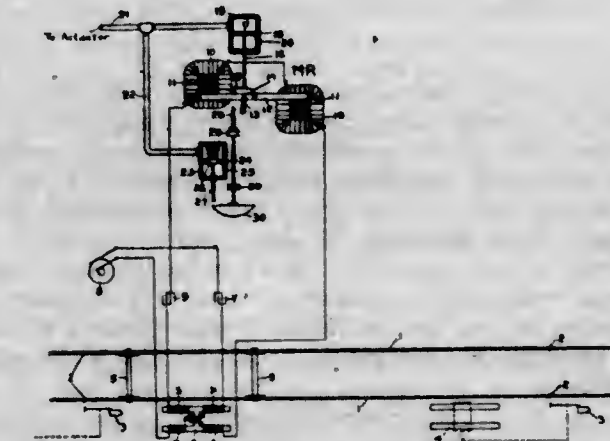
1. In an automatic train control system, a normally energized traffic responsive device, a normally energized

restoring member therefor, operating when de-energized to physically restore said device, a normally energized brake applying device acting when de-energized to pro-



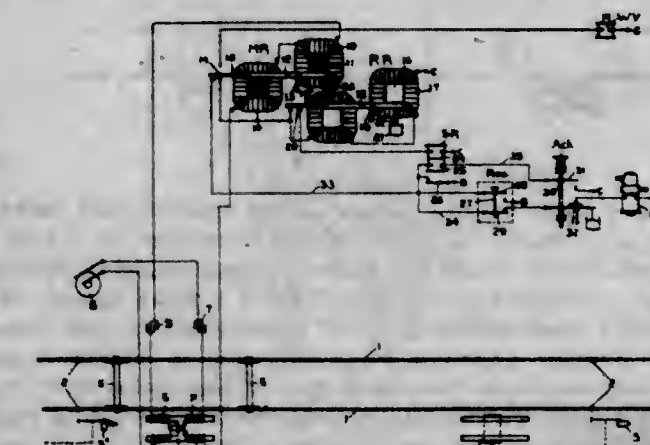
duce a brake application, and a normal energizing circuit for the brake applying device directly broken upon de-energization of either the traffic responsive device or the restoring member.

1,736,733. TRAIN-CONTROL SYSTEM. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 1, 1927. Serial No. 171,821. 7 Claims. (Cl. 246-63.)



1. In a train control system, a relay having an armature, and controlled in accordance with traffic conditions ahead, a brake pipe, means controlled by the relay armature for venting the pipe to thereby cause an automatic brake application when the armature drops away, and reset means operable to mechanically restore the armature to picked up position and to simultaneously vent said brake pipe.

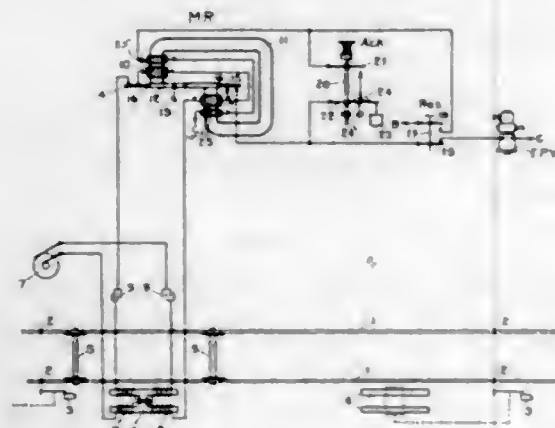
1,736,734. TRAIN-CONTROL SYSTEM. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 12, 1927. Serial No. 174,960. 17 Claims. (Cl. 246-63.)



1. In an automatic train control system, a normally energized traffic responsive device, a normally energized

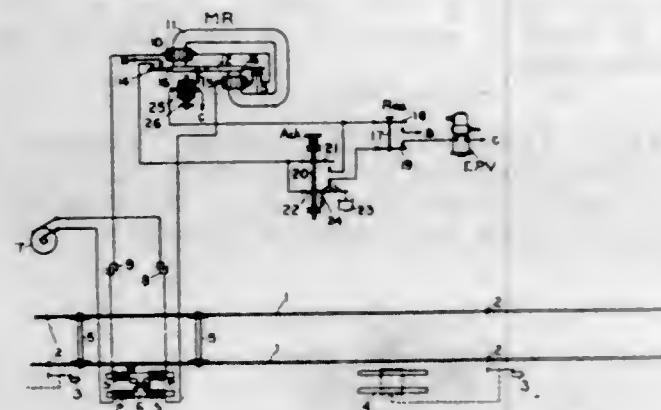
restoring member therefor, a normally energized brake applying device acting when de-energized to produce a brake application, a relay having an energizing circuit including a front point of both said traffic responsive device and said member, and a normal energizing circuit for the brake applying device broken upon deenergization of said relay.

1,736,735. TRAIN-CONTROL SYSTEM. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 12, 1927. Serial No. 174,961. 10 Claims. (Cl. 246-63.)



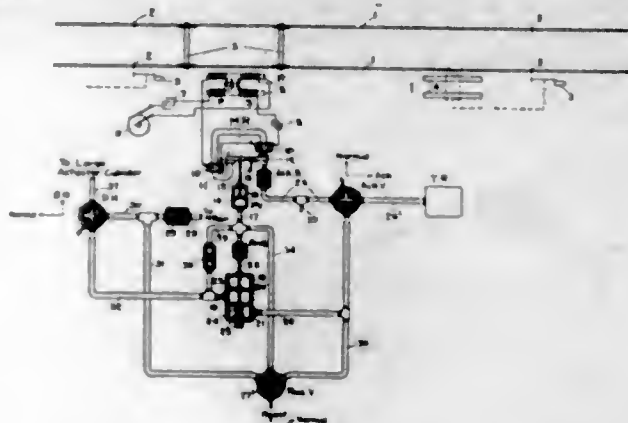
1. In a train control system, a car-carried main relay having a normally energized circuit controlled in accordance with traffic conditions ahead, a brake applying device having an energizing circuit including a front contact of said relay and initiated when deenergized, a coil arranged when energized to place, and to maintain, the armature of the main relay in attracted position, means for only temporarily energizing the coil, and means for energizing the coil for an indefinite time while simultaneously breaking the energizing circuit for the brake applying device.

1,736,736. TRAIN-CONTROL SYSTEM. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 12, 1927. Serial No. 174,962. 7 Claims. (Cl. 246-63.)



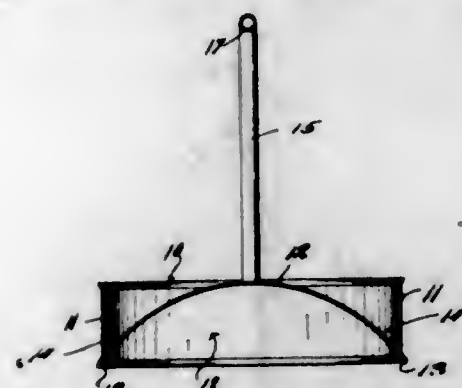
1. In a train control system, a car-carried main relay having a normally energized circuit controlled in accordance with traffic conditions ahead, a brake applying device having an energizing circuit including a front contact of said relay and initiated when deenergized, a coil controlled plunger arranged when said coil is energized to place and maintain the armature of the main relay in attracted position, means for temporarily energizing the coil without breaking the energizing circuit of the brake applying device, and means for energizing the coil while simultaneously breaking the energizing circuit for the brake applying device.

1,736,737. TRAIN-CONTROL SYSTEM. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 31, 1927. Serial No. 179,921. 4 Claims. (Cl. 246-63.)



1. In a train control system, a brake actuator normally under pressure and initiated when vented, a primary valve normally controlled in accordance with traffic conditions ahead and movable to normal and reverse positions, a secondary valve moved from normal to reverse upon operation of the primary valve to reverse, a source of fluid pressure connected to the actuator through the secondary valve when normal and disconnected therefrom when reverse, means for venting the actuator upon movement to reverse of the secondary valve, a timing pressure reservoir manually chargeable, acknowledging means operable by pressure from the timing reservoir to prevent traffic control of the primary valve and maintain it normal, and manual reset means for moving the secondary valve to normal by pressure from the timing reservoir.

1,736,738. WASHING APPLIANCE. OLIVER P. GREEN-STREET, Owensville, Mo., assignor to one-third to Joseph T. Tate and one-fourth to D. Ed Kriete, Owensville, Mo. Filed Aug. 13, 1927. Serial No. 212,784. 1 Claim. (Cl. 68-30.)

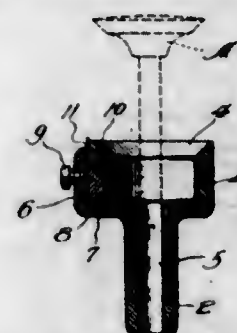


A washing machine of the character described, including a hollow base comprising an outer vertical wall and a transversely curved top, the top being joined at its ends to said wall and the side edges of the top intersecting the wall at the bottom of the wall, the side margins of the top adjacent the lower edges thereof being formed with perforations, and a U-shaped pipe having two vertical legs connected to and opening through said top adjacent the ends thereof, said pipe having a horizontal portion formed with a partition at its middle and the horizontal portion being perforated with spray openings on each side of said partition.

1,736,739. VALVE-FACING TOOL. HERBERT A. BECKMAN, Chicago, Ill., assignor to Zim Manufacturing Company, a Corporation of Illinois. Filed Dec. 15, 1927. Serial No. 240,142. 1 Claim. (Cl. 82-1.)

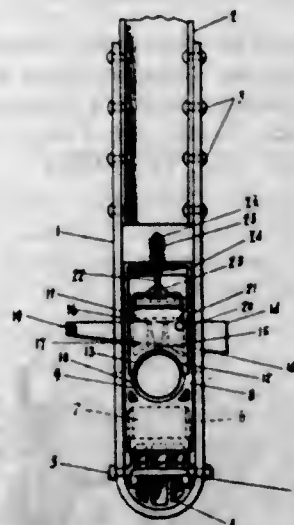
A valve-facing device comprising a cup-shaped member having a stem projecting downwardly from the bottom

thereof, the upper edge of the cup being in the form of an inverted frustum of a cone, there being a bore coaxial with said cone extending through the bottom of said cup and through said stem, said cup being provided on one side with a boss, there being a hole open at the top and at the bottom extending through the boss and the adjacent side



of the cup, the hole intersecting said conical seat and having its long axis lying in a plane approximately parallel with the long axis of the device and making an acute angle with a radial plane, and a cutting tool positioned in said hole and having at the upper end a cutting edge parallel with an element of the conical seat and lying slightly above the same.

1,736,740. PITMAN STRUCTURE. RICHARD R. BLOSS, Columbus, Ohio, assignor to The International Derrick & Equipment Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 16, 1928. Serial No. 300,114. 2 Claims. (Cl. 287-94.)

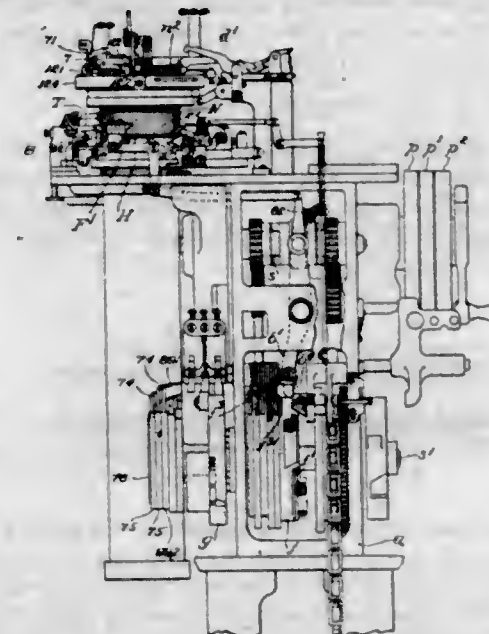


1. A pitman structure for oil, gas and artesian well drilling and pumping mechanism comprising a U-shaped base portion, a supporting member disposed within the bottom of said U-shaped base portion, a resilient member carried upon said supporting member, a bearing section resting upon said resilient member, said bearing section having a yoke carried upon its upper end, and a bearing cup member disposed within said yoke.

1,736,741. METHOD OF PURIFYING CRUDE SODIUM SULPHIDE AND THE PRODUCT THEREOF. RENE ROTSON, Anderghem-Brussels, Belgium. Filed Nov. 26, 1927, Serial No. 236,017, and in Italy Oct. 24, 1927. 5 Claims. (Cl. 23-134.)

2. A process for the preparation of a chemically pure toning salt for photographic use comprising the treatment of crude sulphide of sodium by means of pressure steam until liquefaction has taken place, adding a proportion of 1% of terpinolene, diluting the liquid with water to reduce its specific gravity to 18° Bé., reinforcing its specific gravity to 18.5° Bé. by addition of a caustic soda solution at 35° Bé., decanting and filtering the liquid, concentrating it to 50% and crystallizing it under action of cold, substantially as described.

1,736,742. AUTOMATIC CIRCULAR-KNITTING MACHINE. RAYMOND FISHER, Philadelphia, Pa., assignor to Hemphill Company, Pawtucket, R. I., a Corporation of Massachusetts. Filed June 9, 1922. Serial No. 567,052. 14 Claims. (Cl. 66-8.)

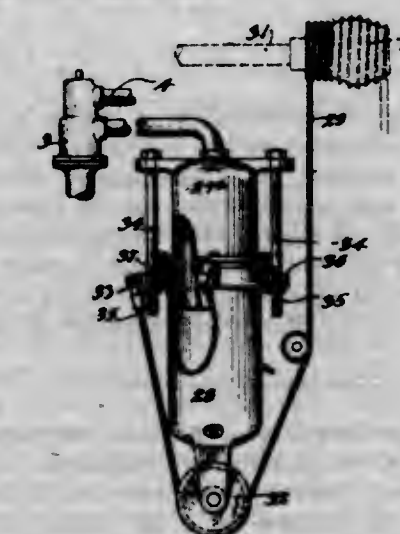


1. A circular knitting machine, for knitting a stocking, having a main knitting station with knitting-cam devices and yarn-feeding means, including sectional splicing means, and a secondary knitting station with knitting-cam devices and yarn-feeding means, circumferentially spaced from the main station, adapted to cooperate with the main knitting station in producing two courses in a revolution of the machine during the formation of a stocking leg, and having combined therewith means to render inoperative the knitting means of said secondary station when sectional splicing is being effected.

1,736,743. DETONATING FIREWORK COMPOSITION. WILLIAM F. GEHRIG, Berkley Heights, N. J. Filed Mar. 5, 1928. Serial No. 259,377. 14 Claims. (Cl. 52-23.)

1. A non-hygroscopic firework composition adapted to produce successive detonations when ignited, comprising at least one sulphur phosphorus compound as its active agent; at least one chlorate producing oxygen; an inorganic binder consisting of alkali earth metal chloride and an alkali earth metal oxide; and an alum.

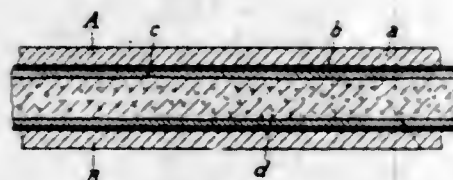
1,736,744. CONCRETE-MIXER WATER-SUPPLY MEANS. FERDINAND H. HEINZ, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Feb. 1, 1928. Serial No. 251,190. 3 Claims. (Cl. 221-103.)



1. Water tank apparatus of the class described, comprising, in combination, a pair of casings, one of which

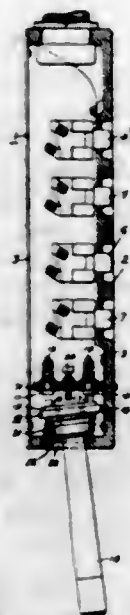
serves as a piston movable inside of the other casing, sealing means between said casings for providing a fluid-tight relationship at all times between the piston casing and the other casing, means for limiting the movement of the piston casing in both directions with respect to the other casing, and means to adjust the position of one of the limiting means whereby the capacity of the tank is rendered variable.

1,736,745. ELECTRICAL HEATING BODY AND METHOD OF MANUFACTURING THE SAME. HUGO LOMMANN, Berlin-Wilmersdorf, Germany. Filed Mar. 15, 1928, Serial No. 262,064, and in Germany Mar. 19, 1927. 7 Claims. (Cl. 201—76.)



1. The method of producing resistors, consisting in mixing carbon with metal oxides, turning the mixture into a plastic mass, forming bodies of this mass with the simultaneous application of pressure, burning the respective bodies until a layer of a metal carbonate has formed upon them, and casting a layer of a metal around them, substantially as set forth.

1,736,746. PENDANT SWITCH. PHELAN MCSHANE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 18, 1928, Serial No. 293,704. 12 Claims. (Cl. 200—153.)

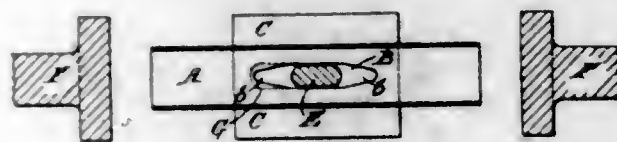


1. In a switch, in combination, a casing, a stationary contact element mounted within the casing, a cooperative movable contact element, an actuating lever secured to the movable element and extending through the casing, resilient means for holding the contact elements in engagement, and means carried by the stationary contact element to engage the movable contact element when the latter is moved by the actuating lever to effect disengagement of the contact elements.

1,736,747. PROTECTION OF ALDEHYDES FROM OXIDATION AND AGENTS THEREFOR. HAROLD A. MORRIS, Akron, Ohio. Filed July 14, 1928, Serial No. 292,909. 12 Claims. (Cl. 23—250.)

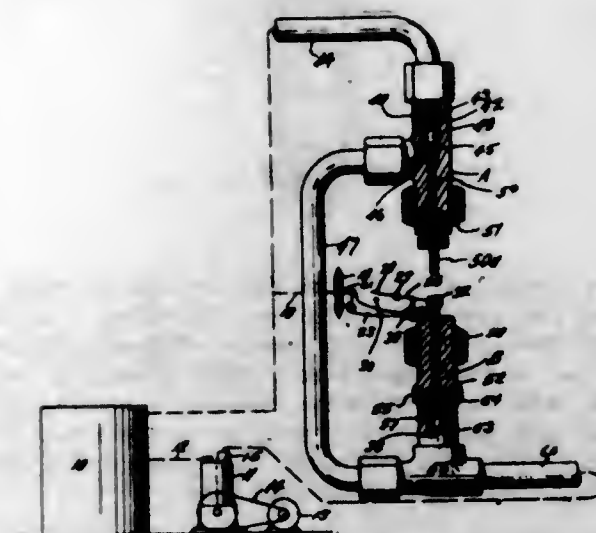
1. The method of retarding the oxidation of aldehydes which comprises adding to the aldehyde 1-2 diamino ethane or a derivative thereof.

1,736,748. PROCESS OF PREPARING TUBES FOR REAR-AXLE CASINGS. ALFRED ERNEST OWEN, Sutton-Coldfield, and ALBERT COMMON SCOTT, Codsall, near Wolverhampton, England. Filed June 30, 1928, Serial No. 289,521, and in Great Britain Mar. 8, 1928. 9 Claims. (Cl. 29—153.1.)



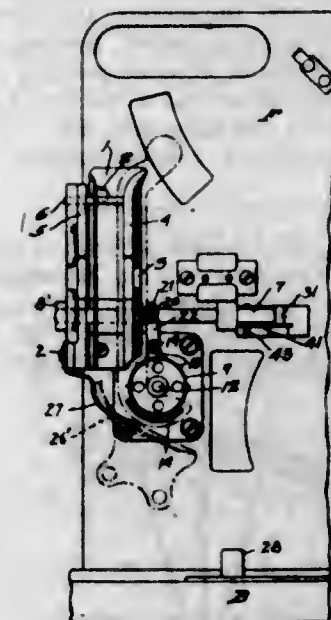
1. A process for preparing a slotted tube from which is to be formed a rear axle or like article having a middle annular portion with a transverse axis and inwardly extending flanges, consisting in forming in the middle of the tube two longitudinal oppositely disposed slots of a length somewhat less than has heretofore been usual, supporting said middle portion in dies and passing a bar through holes in said dies and through said slots and exerting endwise pressure on each end of said tube, the reaction of said pressure being in each case taken by said bar which by pressing on one end of each slot causes the slot to be elongated and the metal in the vicinity of the end thereof to be thickened.

1,736,749. PNEUMATIC CONTROL APPARATUS. ALBERT PENN, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a Corporation of Iowa. Filed Dec. 24, 1925, Serial No. 77,483. Renewed Apr. 15, 1929. 1 Claim. (Cl. 137—153.)



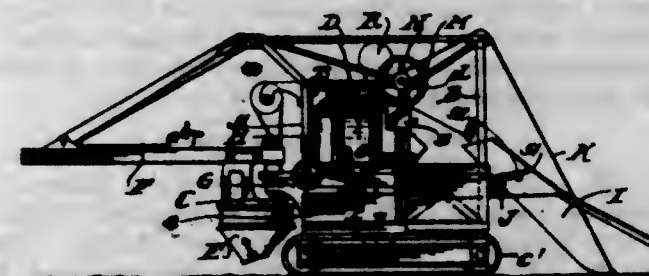
In a device of the class described, a pressure tank, a receptacle, a pipe connected with the pressure tank, a pipe connected with the receptacle, a valve for controlling flow of fluid between said pipes, and means subject to pressure in the first pipe for automatically actuating said valve to fully opened position when the pressure in the first pipe reaches a certain predetermined maximum and for actuating said valve to fully closed position when the pressure reaches a certain predetermined minimum, said means being adjustable for varying such predetermined pressures and additional means for varying the range between said pressures.

1,736,750. PHOTOGRAPHIC APPARATUS. BARTON ALLEN PROCTOR, Pelham Manor, N. Y., assignor to Waldo G. Morse, trustee, New York, N. Y. Original application filed Sept. 8, 1925, Serial No. 54,910. Divided and this application filed Feb. 28, 1929. Serial No. 343,301. 30 Claims. (Cl. 88—17.)



16. A film handling apparatus comprising a feeding member and a movable film engaging member cooperating therewith, said member being adapted both to remove the film bodily from said feeding member and to be positioned between the film and the normal area of operation of said feeding member when the film is in such removed position.

1,736,751. MIXING-MACHINE-CONTROL SIGNALING INDICATOR. JOHN F. ROSS, Cleveland, Ohio, assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Apr. 13, 1928, Serial No. 269,843. 15 Claims. (Cl. 88—73.)

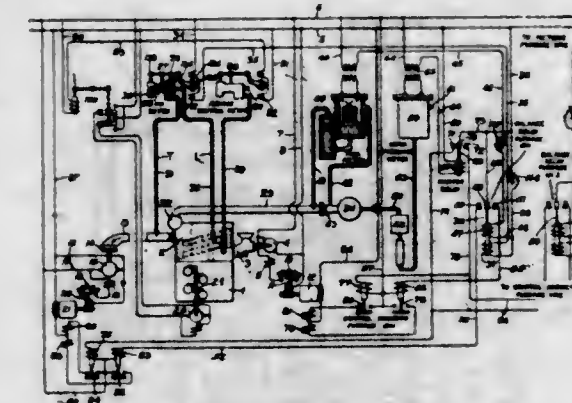


1. In a concrete mixing machine, a mixing drum, mixing period controlling device, a charging device for charging aggregates into said drum, a discharging device for emptying the mixture of aggregates from said drum, and an indicator for indicating certain operations of the mixing machine, said indicator being operatively connected to said mixing period controlling device, said charging device, and said discharging device to be progressively actuated thereby.

1,736,752. FURNACE REGULATION. ARTHUR R. SMITH, Schenectady, N. Y., assignor, by mesne assignments, to Bailey Meter Company, a Corporation of Delaware. Filed Jan. 20, 1926, Serial No. 82,625. 25 Claims. (Cl. 236—14.)

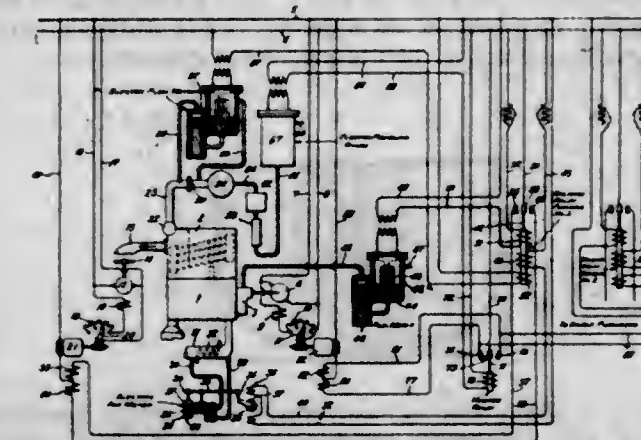
1. In a furnace control system, the combination of means for supplying fuel to the furnace, means for supplying air to the furnace, means which produces a flow of current which is a measure of the steam flow, means which produces a flow of current which is a measure of the air supplied to the furnace, a balanced relay connected to said two last

referred to means, and means responsive to changes in demand on the furnace for effecting adjustment of the fuel



and air in accordance with the load, said fuel and air being adjusted relatively to each other through the intermediary of said balanced relay.

1,736,753. FURNACE REGULATION. ARTHUR R. SMITH, Schenectady, N. Y., assignor, by mesne assignments, to Bailey Meter Company, a Corporation of Delaware. Filed Jan. 19, 1927, Serial No. 162,198. Renewed Apr. 10, 1929. 15 Claims. (Cl. 236—14.)



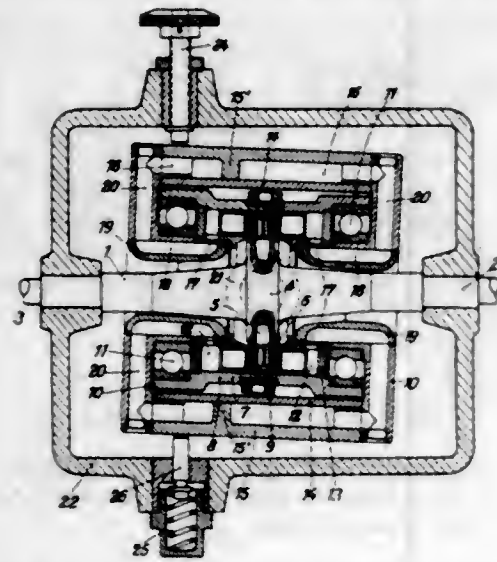
1. In a furnace control system, the combination of means for supplying fuel to the furnace, means for supplying air to the furnace, means which produces a flow of current which is a measure of the fuel supplied to the furnace, means which produces a flow of current which is a measure of the air supplied to the furnace, a balanced relay connected to said two last-named means, means responsive to changes in demand on the furnace for effecting adjustment of the fuel and air in accordance with the load, said fuel and air being adjusted relatively to each other through the intermediary of said balanced relay, and means for modifying the operation of the balanced relay in accordance with the load on the furnace.

1,736,754. PUMP OR MOTOR. HANS THOMA, Karlsruhe, Baden, and HEINRICH KOSEL, Offenbach-on-the-Main, Germany. Filed June 20, 1927, Serial No. 200,221, and in Germany Mar. 22, 1924. 5 Claims. (Cl. 103—162.)

1. A structure adapted for operation in conjunction with a fluid, comprising a central shaft, a rotary body provided with longitudinal cylinders and surrounding said shaft, pistons arranged to reciprocate in said cylinders, a casing forming a support for said rotary body and mounted to rock for adjustment about an axis transverse to the axis of rotation, and operative connections for causing reciprocation of said pistons to occur concurrently with the rotation of said shaft and said body.

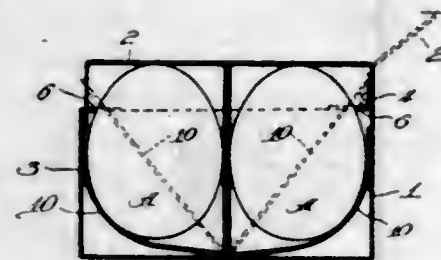
2. A structure of the character set forth, comprising a central shaft, a rotary body surrounding said shaft and

provided with cylinders, pistons arranged to reciprocate in said cylinders, a casing forming a support for said rotary body and mounted to rock for adjustment about an axis



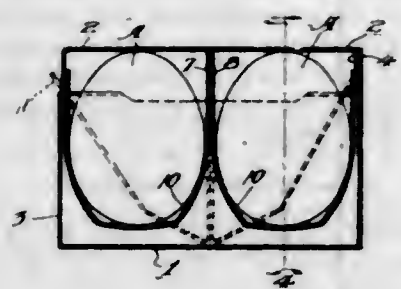
transverse to the axis of rotation, and operative connections for causing said shaft and said body to rotate in unison and the reciprocation of said pistons to take place concurrently with the rotation of said shaft and said body.

1,736,755. CUSHIONED EGG CARTON. JOHN E. WALSH, Chicago, Ill., assignor to Self Locking Schurmann Company, a Corporation of Illinois. Filed July 11, 1927. Serial No. 204,709. 8 Claims. (Cl. 229-28.)



1. In combination, a container, a vertical partition therein, and a resilient article-supporting element extending from the lower end of said partition upwardly and outwardly to and slidably engaged with a side wall of the container.

1,736,756. CUSHIONED CARTON. JOHN E. WALSH, Chicago, Ill., assignor to Self Locking Schurmann Company, a Corporation of Illinois. Filed July 11, 1927. Serial No. 204,710. 1 Claim. (Cl. 229-29.)

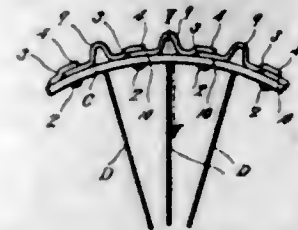


In combination, a carton having a series of transverse partitions, of a flexible sheet much wider than the carton and comprising two continuous marginal strips and connecting pieces between the strips, each connecting piece being approximately as wide as the distance between two of the transverse partitions, said sheet being folded upon itself at the middle to produce a central longitudinal partition crossing the transverse partitions, while said strips rest upon the upper edges of the transverse partitions near the sides of the carton.

1,736,757. REACTION PRODUCTS OF A NATURAL RESIN-PHENOLIC RESINOUS MATERIAL AND METHOD OF MAKING SAME. AUGUST AMANN, Wiesbaden, Germany, assignor to Chemische Fabriken Dr. Kurt Albert G. m. b. H., B'ebrieh-on-the-Rhine-Amoenburg, Germany, a Corporation of Germany. Filed Oct. 20, 1926. Serial No. 143,916. 5 Claims. (Cl. 260-4.)

1. The method of producing readily soluble resin compounds of value for use in making varnishes or the like which comprises heating a major portion of a natural resin with a substantially smaller portion of a phenolic condensation product containing a reactive hydroxy-methyl group at temperatures not exceeding 150° C. until the reaction is complete and a readily soluble homogeneous product results.

1,736,758. METAL GEAR RIM AND METHOD OF MAKING SAME. CHARLES F. BALL, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 29, 1927. Serial No. 179,277. 9 Claims. (Cl. 29-159.2.)

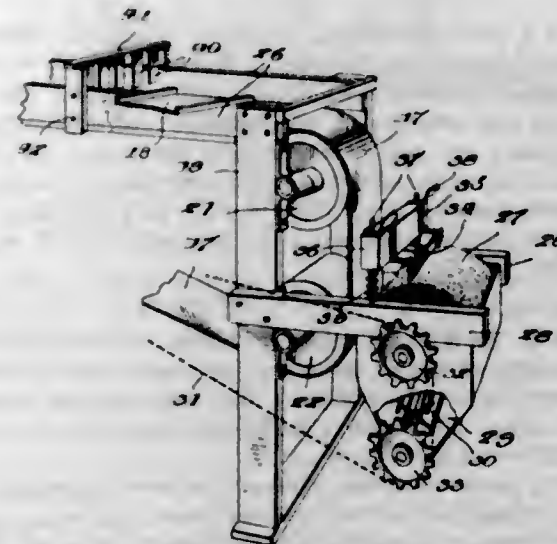


1. A metal gear rim adapted to be secured to a suitable support, consisting of identical tooth sections bent to form gear teeth, and having portions extending beyond the teeth in both directions and adapted to rest upon and be secured to the support, the extensions of adjacent sections being arranged to overlap each other.

6. A sprocket gear section to be used in the formation of a sprocket rim formed from a strip of metal whose intermediate portion is reduced in width and is reversely bent at said portion of reduced width to form a sprocket tooth that tapers transversely toward its outer end, the section having perforated end portions that extend in opposite directions from the base of the sprocket tooth.

8. The process of making a gear rim, which consists in forming blanks from strip metal, shearing the edges of the blanks to produce intermediate sections of reduced width, reversely bending the portions of the blanks where they are of reduced width to form gear teeth, leaving portions of the blanks extending in opposite directions from the bases of the teeth for attachment.

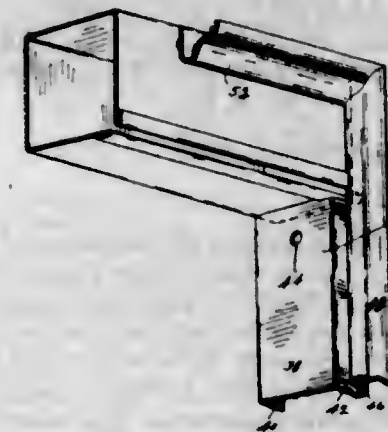
1,736,759. FRUIT-TREATING APPARATUS. ERNEST M. BROGDEN, Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla., a Corporation of Florida. Filed July 23, 1923. Serial No. 653,228. Renewed Aug. 22, 1928. 11 Claims. (Cl. 91-54.)



1. Apparatus for applying fluent material to fruit comprising the combination, with fruit-brushing means, of

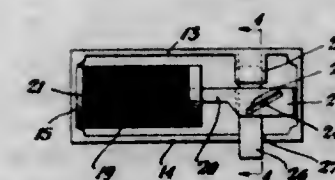
means for feeding fruit to said fruit-brushing means, said feeding means comprising a driven element having a continuous surface moving toward said fruit-brushing means and adapted to bodily transport said fruit, means for applying fluent material to said surface, and means operative to impart rolling movements to said fruit upon said surface.

1,736,760. CASING-SUPPORTING AND TRACK-RECEIVING DEVICE. HARRY DIXSON, Pella, Iowa, assignor to Rolscreen Company, Pella, Iowa. Filed Oct. 22, 1928. Serial No. 314,115. 14 Claims. (Cl. 156-39.)



1. The combination with a rollscreen assembly including a screen casing and a guide track, of a casing supporting and track receiving device, comprising a supporting portion for said screen casing and a moulding portion, said device having a longitudinal groove formed therein between said supporting and said moulding portions, said groove being adapted to receive the guide track.

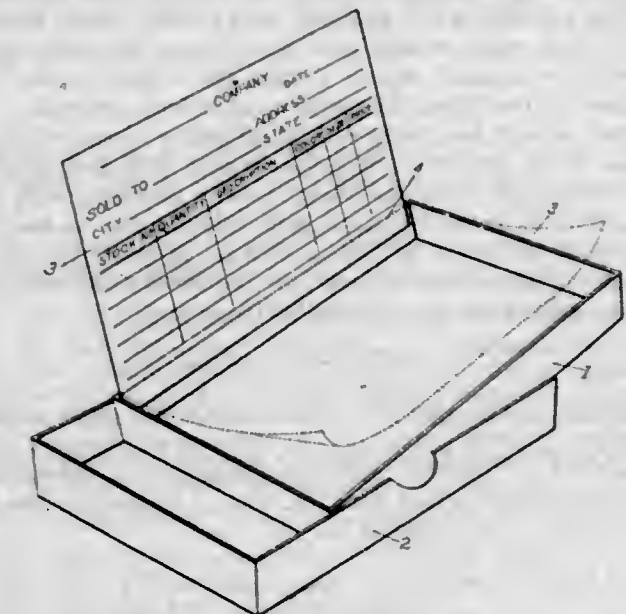
1,736,761. ELECTRICAL DOOR LOCK. CHARLES HAFNER, Allentown, Pa. Filed Feb. 18, 1929. Serial No. 340,787. 3 Claims. (Cl. 70-50.)



1. In a device of the class described, a lock comprising a casing, a solenoid in said casing, a locking bolt, a plunger slidable in said solenoid, spaced-apart tongues on said plunger, said locking bolt being movable at right-angles to said plunger, and means on said tongues engaging said locking bolt for lifting the latter when said plunger is retracted into said solenoid.

1,736,762. [WITHDRAWN.]

1,736,763. MERCHANDISE CONTAINER. LAWRENCE J. MERSKE, Milwaukee, Wis. Filed June 11, 1928. Serial No. 284,516. 2 Claims. (Cl. 229-6.)



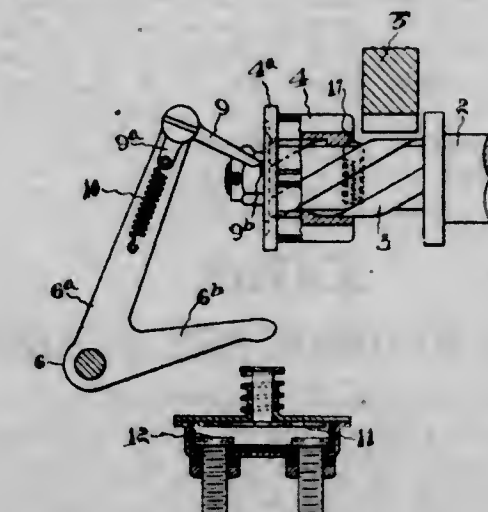
1. A merchandise container comprising a box, and an order blank fastened along one edge to the inside of said box to cover the contents thereof and having perforations along said edge.

1,736,764. ELECTRICAL CONDENSER AND METHOD FOR MAKING THE SAME. HENRY F. SCHECKER, Brooklyn, N. Y., assignor to Aerovox Wireless Corporation, a Corporation of New York. Filed Feb. 28, 1929. Serial No. 343,534. 4 Claims. (Cl. 175-41.)



1. The process of treating a condenser body which consists in impregnating the same in heated impregnating wax, removing the body and immersing the same before the wax has hardened, in liquid mineral oil, and cooling the body while so immersed, whereby the mineral oil will follow up the wax as it cools and prevent the formation of voids within the body.

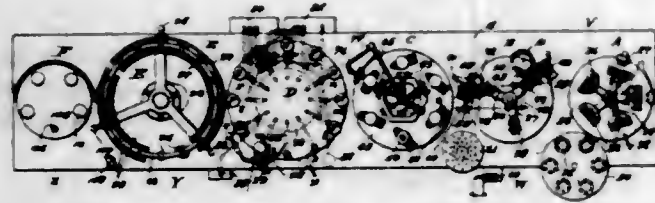
1,736,765. STARTER FOR ENGINES. MAUNSELL B. JACKSON, Toronto, Ontario, Canada. Filed Nov. 7, 1925. Serial No. 67,577. 9 Claims. (Cl. 74-7.)



1. An engine starter including a shaft connected with the starter motor and having a starter pinion threaded

thereon for rotary movement therewith and for longitudinal movement thereof to mesh with a gear of the engine to be started; manual means for shifting said pinion into meshing engagement with said gear, said means including provisions for rotating said pinion, while pressing said pinion against said gear and during the same movement of the manual means, in case the pinion collides with the gear before going into mesh; and means operable by the manual means for energizing the starter motor when the pinion is in meshing engagement with the gear whereby the thread will move the pinion axially into full mesh with the gear and away from the said shifting means and said provisions whereby the pinion will be entirely free of and out of contact with the said shifting means and said provisions until after the starting of the engine.

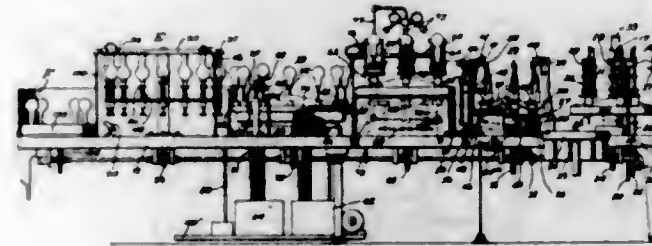
1,736,766. APPARATUS FOR MAKING INCANDESCENT LAMPS. WILLIAM R. BURROWS, Newark, N. J., assignor to General Electric Company, a Corporation of New York. Filed June 14, 1922. Serial No. 368,166. 4 Claims. (Cl. 176-3.)



1. In a machine for making incandescent lamps and similar articles, the combination with a sealing-in mechanism for assembling a bulb and mount by fusing the mount and the neck of the bulb together, of means for supplying additional heat to the walls of the bulb during the

sealing-in operation and while the neck of the bulb is open, mechanism mounted adjacent to said sealing-in machine to permit immediate and direct connection of the hot sealed-in lamp to an exhaust pump, and means for operating said mechanisms in synchronism to permit a sealed-in lamp to be transferred directly and immediately to the exhaust mechanism and freed from air while still hot.

1,736,767. METHOD OF MAKING INCANDESCENT LAMPS. WILLIAM R. BURROWS, Newark, N. J. Filed July 27, 1925, Serial No. 46,204. Renewed Apr. 25, 1929. 3 Claims. (Cl. 176-7.)



1. The process of making an incandescent lamp or similar article which comprises joining a glass stem to metal wires by fusing parts of the stem and thereby heating all the glass until it is substantially moisture and gas free, securing a filament to said wires before the glass becomes cool enough to accumulate a harmful amount of moisture whereby a substantially moisture free mount is obtained, sealing said mount while still substantially moisture free into a bulb, heating the bulb hot enough to render it substantially moisture free, removing the air from the sealed in bulb while it is still hot, and sealing off the bulb while free from air.

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CONTENTS

	Page
ISSUE OF NOVEMBER 26, 1929	779
TRADE-MARKS CANCELED	779
NOTICE	779
APPEALS TO THE BOARD OF APPEALS	779
APPLICATIONS UNDER EXAMINATION	780
COMMISSIONER'S DECISION—	
Ex parte Rodman	781
DECISIONS OF THE U. S. COURTS—	
In re Midgley	781
In re Adger	782
In re Champagne	783
In re Stanton	784
In re Molynaux	785
PATENT SUITS	785
ADJUDICATED PATENTS	786
ADVERSE DECISIONS IN INTERFERENCE	786
INTERFERENCE NOTICE	787
TRADE-MARKS PUBLISHED (248 APPLICATIONS)	819
TRADE-MARK REGISTRATIONS GRANTED	831
LABELS	832
PRINTS	833
DESIGNS	835
PATENTS GRANTED	849

Issue of November 26, 1929

Trade-Marks	335—No. 364,305 to No. 364,330, inclusive.
Labels	39—No. 36,660 to No. 36,707, inclusive.
Prints	14—No. 12,223 to No. 12,236, inclusive.
Reissues	10—No. 17,499 to No. 17,508, inclusive.
Designs	60—No. 79,831 to No. 80,010, inclusive.
Patents	779—No. 1,736,768 to No. 1,737,546, inclusive.
Total	1,237

Trade-Marks Canceled

- 117,828. Talking machines. The Colorado Phonograph Company, Denver, Colo. Registered August 7, 1917. Canceled October 30, 1929.
- 151,104. Malt sirup. Clinton Malt Product Co., Clinton, Iowa. Registered January 24, 1922. Canceled October 30, 1929.
- 162,407. Fresh deciduous fruits. Wenatchee District Co-Operative Association, Wenatchee, Wash. Registered December 12, 1922. Canceled October 30, 1929.
- 189,360. Linear measures, squares, angles, and drawing rulers. Alexander Graf von Faber-Castell, Stein, near Nuremberg, Germany. Registered September 18, 1924. Canceled September 30, 1929.
- 202,602. Filing cabinets. Columbia Steel Equipment Company, Philadelphia, Pa. Registered August 25, 1925. Canceled October 30, 1929.
- 207,744. Certain named indicating, recording, and scientific appliances. Uehling Instrument Company, Paterson, N. J. Registered January 5, 1926. Canceled October 30, 1929.
- 214,448. Sound-absorbing plaster. Kearsbey & Mattison Company, Ambler, Pa. Registered June 22, 1926. Canceled October 30, 1929.

- 217,841. Filing cabinets. Columbia Steel Equipment Company, Philadelphia, Pa. Registered September 7, 1926. Canceled October 30, 1929.
- 220,887. Nonalcoholic, noncereal, maltless beverages and compounds for making the same. Orange Crush Company, Chicago, Ill. Registered November 18, 1926. Canceled October 30, 1929.
- 241,051. Vehicle tires and inner tubes therefor. The Firestone Tire and Rubber Company, Akron, Ohio. Registered April 17, 1928. Canceled October 30, 1929.
- 248,369. Skin soap. William Finkel, doing business as The Lloyd Company, Philadelphia, Pa. Registered October 18, 1928. Canceled October 30, 1929.
- 255,069. Fresh or raw milk and cream. American Association of Medical Milk Commissions, Inc., also doing business as Certified Milk Producers' Association of America, Inc., Brooklyn, N. Y. Registered April 9, 1929. Canceled October 30, 1929.
- 255,283. Fertilizer. Synthetic Nitrogen Products Corporation, New York, N. Y. Registered April 16, 1929. Canceled October 30, 1929.
- 255,745. Coffee substitute. Heinrich Franck Söhne Gesellschaft Mit Beschränkter Haftung, Ludwigsburg, Germany. Registered April 30, 1929. Canceled October 30, 1929.
- 260,072. Certain named cutlery, machinery, and tools and parts thereof. Markwell Manufacturing Co. Inc., New York, N. Y. Registered August 13, 1929. Canceled October 30, 1929.

Notice

Principal Examiner H. C. Armstrong is hereby relieved from duty in charge of Division 11 and detailed as Assistant to the Commissioner until further notice. Associate Examiner E. V. Benham is placed in charge of Division 11 as Acting Examiner.

THOMAS E. ROBERTSON,
Commissioner.

NOTICE

APPEALS TO THE BOARD OF APPEALS

U. S. PATENT OFFICE, Washington, Nov. 7, 1929.

Whenever the appellant in an *ex parte* case submits his appeal on brief and waives an oral hearing, or the parties to an interference stipulate that the appeal may be so considered, the appeal will be taken up by the Board in its turn among the cases so submitted, and thus save the time usually consumed in waiting for the oral hearing.

THOMAS E. ROBERTSON,
Commissioner of Patents.

Condition of Applications Under Examination at Close of Business November 15, 1929

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 111,757; Trade-Mark Division, 1,662. Oldest new case, Jan. 15, 1929; oldest amended, Jan. 17, 1929. The dates given are 1929.)	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
				New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.			Mar. 6	Mar. 16	1,345
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 13	Mar. 12			1,881
331	3. LINDSEY, A., Heating; Metal; Foddering; Metallurgy; Metal Treatment.	Mar. 6	June 19			1,347
204	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	Apr. 9	Apr. 9			1,404
138	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Feb. 26	Mar. 1			1,507
181	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Jan. 15	Jan. 18			2,026
108	7. JARBOE, C. G., Optics; Photography.	Mar. 6	Feb. 27			2,328
133	8. HENRY, C. C., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	July 24			1,190
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	Apr. 18	Apr. 25			1,790
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances; Bodies and Tops.	Mar. 6	Mar. 14			1,679
148	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 8	Aug. 8			726
182	12. PIERCE, P. P., Machine Elements.	Mar. 23	Apr. 8			1,698
350	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needles and Pin Making; Turning; Boring and Drilling.	Mar. 29	Apr. 14			1,475
102	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 2	Mar. 6			1,229
329	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Jan. 17	Jan. 17			2,824
242	16. SPENCER, C. J., Telegraphy; Telephony.	Mar. 1	Mar. 23			1,323
307	17. RAFTER, P. S., Label, Pasting and Paper Hanging; Ornamentation; Paper Manufactures; Printing; Raster Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 21	Mar. 23			1,541
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 5	Apr. 5			1,474
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 11	Feb. 15			2,095
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 1	Apr. 2			1,882
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	Apr. 8	July 12			839
244	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 13	Apr. 14			1,600
217	23. GROESBECK, W. D., Coin Handling; Records; Registers.	Jan. 22	Jan. 31			1,194
147	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 7	Apr. 13			1,602
202	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cuts and Comminutors.	Mar. 15	Mar. 16			1,628
228	26. HODGES, J. S., Electricity, Generation; Motive Power.	Apr. 2	Mar. 29			1,236
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 25	Mar. 7			1,589
225	28. BENSON, A. R., Internal-Combustion Engines.	Mar. 29	Apr. 8			2,055
160	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	May 6	May 11			787
348	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 1	Aug. 7			1,452
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Mar. 5	Feb. 8			2,426
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	Apr. 3	Apr. 1			1,845
152	33. WYMAN, W. I., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 25	Apr. 6			2,373
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Mar. 18	Apr. 8			1,180
118	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	May 24	June 18			1,735
105	36. MORTON, O. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Mar. 5	Mar. 6			2,240
224	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Feb. 8	Feb. 13			2,250
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Multiple Valves; Valves; Water Distribution.	Feb. 16	Mar. 5			1,953
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Jan. 22	Feb. 1			1,946
262	40. OBELIN, J. J., Bottles and Jars; Receptacles.	Feb. 20	Apr. 4			2,977
125	41. BROWN, J. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Mar. 21	Mar. 21			1,380
223	42. CUTTING, H. O., Electric Signaling.	Apr. 18	May 22			2,576
124	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Feb. 18	Feb. 23			1,194
253	44. SHAFFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 11	Mar. 7			2,226
379	45. OILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Jan. 30	Jan. 22			2,536
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 18	Apr. 1			1,636
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Jan. 29	Feb. 14			2,597
212	48. ROEPKE, O. B., Electricity, General Applications.	Mar. 13	Mar. 15			1,367
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 10	June 27			1,253
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating.	Mar. 2	Mar. 13			2,715
240	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Feb. 21	Feb. 23			2,290
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 20	Apr. 12			2,306
201	53. PENK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	June 11	June 12			1,371
341	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Feb. 28	Feb. 28			2,516
102	55. BOWEN, S. T., [Bread, Pastry, and Confection Making; Cutlery] Designs.	Oct. 19	Nov. 4			873
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	July 18	July 18			566
257	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 8	Feb. 6			2,426
270	58. DOWELL, E. F., Abrading; Typewriting.	Mar. 8	May 6			1,182
315	59. RICHARD, V. I., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Oils; Cement and Lime; Hides, Skins, and Leather; Fuel.	Feb. 18	Feb. 23			1,323
215	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Feb. 28	Mar. 9			1,944
269	61. PARKS, G. E., Elevators; Winding and Hoisting; Pushing and Pulling; Fire Escapes; Ladders; Seafoils; Velocipedes; Bicycles; Time-Controlling Apparatus.	Feb. 12	Feb. 28			2,356
245	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Mar. 1	Mar. 9			2,632
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND.	Oct. 8	Nov. 4			1,478
		Oct. 29	Oct. 30			18

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE RODMAN

Decided October 29, 1929.

DRAWINGS—ELECTRIC SYSTEMS.

A drawing illustrating an electric system by what is commonly styled "across-the-line" wiring diagrams and which shows the armatures of the relays and their respective windings widely separated and the normally open and normally closed contacts of the relays or switches not by the usual conventional symbols *Held* objectionable.

ON PETITION.

MOTOR CONTROLLER

Mr. Frank H. Hubbard for the applicant.

KINNAN, Acting Commissioner:

The applicant has petitioned the requirement of the Examiner that the drawings be corrected be withdrawn.

It appears that the drawings illustrate the electric system by what is commonly styled "across-the-line" wiring diagrams in which the armatures of the relays are widely separated from their respective windings and the normally open contacts of the relays or switches are illustrated by parallel lines while normally closed contacts are illustrated by similar parallel lines across which is placed a diagonal line.

The Examiner's criticism is directed to this form of illustration. He states:

As now represented elements 6, 7, 11, 12, 17, 19, 22, 23, 28, 32, 33, and 35 are shown as fixed condensers and 16 and 37 are shown to be variable condensers according to the well known and conventional representation of such elements. The relays must be represented by the conventional symbols showing each winding associated with its respective circuit controlling member.

For many years, certainly a quarter of a century or more, a chart for the guidance of draftsmen as to the use of symbols in connection with electric wiring has appeared in the Rules of Practice. This chart has been modified from time to time as the practice adopted by engineers and others skilled in the arts has changed or advanced. While the symbol for illustrating a condenser is not that used by applicant to indicate normally open contacts, yet these parallel lines have been widely used for many years in patent drawings to indicate a condenser. It is believed, in the interest of clearness and ready understanding of the diagrams of the character here under consideration, that adherence to the symbols shown in the chart for draftsmen in the Rules of Practice should be substantially followed.

The petitioner has cited a publication in support of his view that the form of illustration adopted in his drawings is frequently adopted by manufacturers of electrical apparatus. Granting that petitioner is correct in this matter, yet the necessity for adhering to fixed symbols which have been in use for so long a time is so great in view of the importance of members of the Examining Corps being able to quickly and accurately understand wiring diagrams that the requirement of the Examiner must be sustained.

The applicant's drawings, the Examiner's requirement, and the applicant's petition have been submitted to each of the five Principal Examiners in charge of the respective divisions of electricity for comment, and at least four of those Principal Examiners have strongly supported, in the interest of clearness and accuracy in searching, the requirement of the Examiner.

The petition is denied.

U. S. Court of Customs and Patent Appeals

IN RE MIDGLEY

No. 2,119. Decided October 4, 1929

PATENTABILITY—METHOD OF INCORPORATING CORDS IN RUBBER SHEETS.

Claims for a method of building a composite sheet of rubber and parallel cords *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. E. C. Taylor and Mr. R. P. Harvey for Midgley.

Mr. T. A. Hostettler for the Commissioner of Patents.

GRAHAM, P. J.:

The appellant filed his application for a patent on a process and apparatus for incorporating cords in rubber sheets. It is stipulated that claim numbered one, rejected by the various tribunals in the Patent Office, is the only one in issue here. This claim is as follows:

1. The method of building a composite sheet of rubber and parallel cords which consists in feeding the cords in parallel relation under equalized tension, applying them while in this condition to a sheet of rubber traveling at the same speed as the feed of the cords, locating all the cords on the rubber at the meeting point of the cords and rubber by rolling pressure in the predetermined positions they are to occupy with relation to one another, holding them in such position until they adhere to the rubber, and then applying additional rolling pressure on the entire surface of the cord and rubber sheet to cause the cords to sink further into the sheet.

This claim sufficiently sets forth the essential elements of appellant's invention without further description. The First Assistant Commissioner justifies his rejection of this claim by reference to a United States patent to Marquette, No. 1,321,223, issued November 11, 1919.

An examination of the drawings and specifications of the Marquette reference fully justifies the action of the Patent Office upon this claim. In the Marquette patent, cords, under tension and properly spaced by corrugated rolls, are passed between sheets of unvulcanized plastic rubber, through fluted rollers, resulting in a sheet of corrugated-surfaced rubber cord fabric. Marquette claims that by this method he avoids crushing the cords, thus making an improvement upon the ordinary process of making such fabric with flat surfaces; that by exerting the pressure upon the rubber sheets between the parallel cords, the fabric is formed without injury to the cords. Appellant claims his process of pressing the cords into the rubber and the production of a flat-surfaced fabric differs radically from the

Marquette process. We are unable to observe any real difference. The pressure exerted upon the rubber by the Marquette fluted rollers is, nevertheless, laterally, at least, a pressure extending over the entire surface of the cords. The methods are practically the same and obtain practically similar results. The contour of the surface is an unimportant mechanical detail and one that might easily be altered, at pleasure.

Furthermore, it is quite obvious, from an examination of the Marquette specifications, that a flat-surfaced cord fabric was well known to the art at the time of their filing, and is therein fully disclosed. To quote:

Various methods have heretofore been devised for the proper covering of the cords, and for the production of cord fabric. But certain of these processes were slow, while other and more rapid ones entailed the subjecting of the cords to pressure, distortion, strain, and breaking of the fibers. Of this latter class were those processes which included the passing of the cords and the rubber stock between calendar rolls, while causing sufficient pressure between the rolls to work the stock down between the cords, and stick it to the cords. The difficulty was that the high pressure, applied over the whole width of the sheet, not only acted on the rubber but, unfortunately, acted also to flatten, distort, and disrupt the cords, and cords so abused, resulted in a fabric, whose cords were of inferior quality and wearing properties. Yet this calendar method had the very real advantages of rapid and continuous production of sheets of indefinite length, performance by simple and easily procured machines, and simple technique.

We conclude that the decision of the Commissioner is right and it will be affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ANGERT

No. 2,127. Decided October 4, 1929

PATENTABILITY—INVENTION—COMBINED KITCHEN AND DINING TABLE.

A claim for a folding combination kitchen and dining table held patentable, since the assembling or combining of the elements was not obvious nor purely mechanical, but the result of ingenious and inventive thought.

APPEAL from the Patent Office. Reversed.

Mr. R. E. Barry and Mr. J. W. Strehli for Angert.
Mr. T. A. Hostettler for the Commissioner of Patents.

BLAND, J.:

Appellant appeals from the decision of the Commissioner of Patents affirming the action of the Examiners-in-Chief, refusing to allow a claim for patent on a folding combination kitchen and dining table. The claim reads as follows:

In a table the combination with a frame of a table top section adapted in one position to cover the frame, and having a pivot to said frame, said pivot being so located that the said top section can swing to a position at right angles to its first noted position in which case it will cover but one half of the frame, and a second top section of equal size to that first mentioned and hinged thereto along one side, said hinge being arranged so that when in the second position of the first section above described the second section will fold to a position to cover the remaining half of the table, and when folded up, said second section will lie over and cover the first noted section, said second section having a porcelain cover thereon comprising a flanged metal plate set over the bottom of the second section, with the flanges embracing the edges of said section and secured thereto, the porcelain finish of which will be uppermost when folded over the top of the first section noted, the opposite side of the second section being of the same finish as the top of the first section.

The rejection at the Patent Office was based upon the reference: Tofani, 1,367,216. February 1, 1921.

The Commissioner found that the pivot folding table top was old, that the surface covering of one

leaf with porcelain or marble was old, and that no inventive genius was required to combine the two features to bring about the claimed useful result.

Appellant very earnestly contends that by using the old pivot folding idea in connection with a heavy porcelain cover for the top leaf, he has produced "a new combination which produces new results," which, he contends, is patentable.

The affidavit of applicant in the case discloses that he and his brother were in partnership in Cincinnati, Ohio, manufacturing and selling tables and various types of furniture at retail; that they early discovered that the demands of the trade were not met by any of the existing folding, folding leaf, or extension tables; that there was no satisfactory kitchen table which could be opened into a dining table; that the trade desired a table which was the size and had the qualities of a good kitchen table but which might be extended to a wooden top dining table, and that much thought and experiment were given by applicant to the question, from which investigation and effort the table in issue was evolved. Up to this time no one had ever combined the porcelain feature of a kitchen table with any extension table which would, when extended, have a wooden surface. The porcelain surface of the ordinary kitchen table was not suitable for dining table purposes since the cloth would slip and the surface was cold to the hands and dishes. By placing the porcelain on the under side of the extension leaf when extended, two things were accomplished: a complete level wooden surface was provided by the extended table and additional weight given by the porcelain to prevent pivoting or rotation of the extension.

In the case of the Tofani table, the patent was given because of the wire fastener which Tofani found was necessary to hold the top of the table steady when extended. The top structure pivoted and revolved too easily, owing to its lack of weight. The use of the wire on the underside of the extension leaf obviously destroyed the usefulness of the table when folded, since the wire contraption appeared in the middle of the top leaf. Therefore, it was not a kitchen table and in that condition was unsightly and impracticable.

By using a heavier material under applicant's plan, the same purpose is satisfactorily accomplished as was attempted by Tofani in the use of the wire fastener.

The affidavit above referred to discloses the further fact that during the year 1924 Angert Brothers made and sold "Tu-Top" tables, which is the table at bar, amounting in value to \$32,000, during the year 1925 to the value of \$80,000, and during the year 1926 to the value of \$100,200; that these were wholesale prices and that the retail prices of the same would probably be \$375,000; that 50 per cent. of the above sales were made in the city of Cincinnati; that only 3 per cent of the above-mentioned wholesale value has been expended in advertising these tables.

To our minds this discloses the fact that appellant has reduced to a commercial success a combination

of old ideas put together in a new way which produce a new and beneficial result. The assembling or combining of the elements, in our view of the case, was not obvious nor purely mechanical. It was the result of ingenious and inventive thought. Appellant has produced something of usefulness for the consuming public and should have protection.

The law now is and long has been well-settled that a new combination of known devices producing a new and useful result (as that of greatly increasing the effectiveness of a machine) is evidence of invention where a combination or putting together of new devices is not obvious or merely mechanical. See *Webster Loom Co. v. Higgins*, C. D. 1882, 285.

In *Ex parte Champney*, 1892, C. D. 176, it was said:

Whenever in an art, machine, manufacture, or composition of matter a change, however apparently minute, is made which is not obvious and results in marked advantages, a patentable invention has been produced.

In *Niles Tool Works v. Betts Machine Co.*, 27 Fed. Rep. 301, is found the following, which, we think, covers the issue at bar:

A combination is patentable (1) if it produces new and useful results, though all the constituents of the combination were well known and in common use before the combination was made, provided the results are a product of the combination, and not a mere aggregate of several results, each the product of one of the combined elements; (2) if it produces a different force, effect, or result in the combined forces or processes from that given by their separate parts, and a new result is produced by their union; (3) if it either forms a new machine, of distinct character or formation, or produces a result which is not the mere aggregate of separate contributions, but is due to the joint and co-operating action of all the elements; (4) when the several elements of which it is composed produce, by their joint action, either a new and useful result, or an old result in a cheaper or otherwise more advantageous way. (Italics quoted).

In *In re Coykendall*, 29 Fed. Rep. (2nd) 868, the court said:

A patent for an invention which successfully accomplishes a useful result is not void, for anticipation or prior use, because of a prior device, however similar in combination or close in resemblance to that of the patent, where such prior device was not operative, and failed to produce the result sought, and which is produced by the device of the patent.

In *H. Frederics, Inc., v. Eugene*, 286 Fed. Rep. 633, the court quoted from the decision of the United States Supreme Court in *Topliff v. Topliff*, 145 U.S. 156, and said:

An anticipation can hardly be predicated upon a structure which requires modification in order to adapt it to a use for which it was never intended. * * * It is not sufficient to constitute an anticipation that the alleged earlier device might, by modification, be made to accomplish the functions performed by the patent in suit, particularly when such devices were not designed by their makers, nor yet adapted nor used at any time for the performance of such functions.

Furthermore, it should be borne in mind that: Where an alleged anticipating structure was not capable of practicable operation, it will not be sufficient to defeat a patent for a combination of old elements correlated for adaptation to a new and useful purpose. *Hale & Kiburn Mfg. Co. v. Oneonta*, 129 Fed. Rep. 698.

In the Commissioner's decision the main idea for the rejection seems to be stated in this language:

It is not clear in what respect the porcelain cover coacts with the elements of the combination in effecting the adjustment of the sections of the top to either of the positions shown relative to the supporting frame.

It seems clear that the weight of the porcelain cover coacts with the elements of the combination to hold the top in either of the service positions and consequently the use of the top eliminates the em-

ployment of the fastening device. The Commissioner says that the weight and qualities of porcelain were known. The error of this position rests in the fact that no one had thought of taking advantage of the weight of the porcelain to overcome the insurmountable objection in extension tables of this character.

In *A. Kimball Co. v. Noesting Pin Picket Co.*, 262 Fed. Rep. 148, the court said:

While patentable "invention" is not a term of legal art, or capable of judicial definition, yet it is a means only, or the embodiment of the inventive idea, and even the smallest invention merits the title, even if the want it meets is not apparent until some previous invention, imperfectly satisfying the more universal want, discloses the subordinate and narrower need.

The decision of the Commissioner of Patents is reversed.

U. S. Court of Customs and Patent Appeals

IN RE CHAMPEAU

No. 2,126. Decided October 4, 1929

PATENTABILITY—SYSTEM OF ARTIFICIAL ILLUMINATION.

Certain claims for devices for artificial illumination of art galleries held patentable, since, even if the elements separately are old, applicant has, by their combination, accomplished a new and useful result whereby a picture will receive an equally distributed illumination.

APPEAL from the Patent Office. Modified.

Mr. H. Dorsey Spencer for Champeau.

Mr. T. A. Hostettler for the Commissioner of Patents.

GRAHAM, P. J.:

The appellant made application for a patent on a claimed new and useful improvement in devices for artificial illumination intended to be used in art galleries for the proper illumination and display of paintings and other works of art. The specifications describe a series of illuminating units permanently arranged upon the ceiling of an art gallery, equidistant from each other and from the margin of said ceiling. Each illuminating unit is concealed from the observer in the gallery and consists of an ordinary electric light lamp surrounded by a light collecting reflector which is mounted on the lamp base, and all of which are mounted in the rear end of a conical casing. Covering the front end of the casing is a prismatic lens with a series of concentric circular ridges. In operation, the rays of light from the lamp are partly thrown directly, partly reflected by the reflector, upon and through the prismatic lens, by which they are transmitted in lines substantially parallel to the axis of the lens. These rays of light are so directed as to fall upon the object to be illuminated, upon the rear side wall. The rays from the source of illumination transmitted along the axis of the lens are directed to fall upon the picture or other object to be illuminated at a point about two-thirds of the distance from the top to the bottom thereof. Thus, while the bottom of the illuminated object receives the more concentrated rays of light, the upper part of the picture, being nearer to the source of light, will be equally illuminated, and the whole picture or other object will receive an equally distributed illumination. It is claimed, in the argument, that this is the great desideratum in the illumina-

tion of works of art in galleries, and that the appellant's device is a new and valuable improvement on all methods or devices heretofore known. The claims were each rejected by the Acting Examiner and by the Board of Appeals. The references relied upon were United States patents to Merritt, 733,670; Allom, 961,196; Taepke, 1,000,129; and Schlacks, 1,241,031. A German patent to Siemens and a French patent to Batallie were also cited and relied upon.

We have examined the references with some care. In the German Siemens patent a device for illuminating a theatrical stage scene is described. The illumination is caused by a lamp in a ceiling recess which illuminates the desired portion of the stage scene by rays of light dispersed through a convex lens. The French Batallie patent covers a method of illumination of vaults caused by lamps set in triangular recesses in the ceiling; by this means the person in the vault is shielded from the rays of light, but the adjacent walls of the vault receive the direct and dispersed rays. The Merritt reference is to a patent for an illuminating device for show cases. It consists of a series of electric light lamps set in simple reflectors around the interior upper angle of a show case. The Allom patent covers a device for illuminating pictures and tapestries. It consists of an electric light lamp set in a reflector and with movable screens within the reflector to shut off the glare of the light source. The Schlacks device is a means of illuminating auditoriums; this is effected by means of electric light lamps, concealed in cornices and transmitting their light into the rooms through convex dispersing lenses. The Taepke reference is to a device for illuminating paintings and other like objects. Here the purpose is accomplished by a light and reflectors within an adjustable casing, by which means the strongest light may be thrown upon any desired part of the object. A diffusion of part of the rays of light is caused by inserted glass plates, interposed between the light and the illuminated object, adjusted to suit the taste of the adjuster.

We are unable to see, after an examination of these references, why the appellant is not entitled to the patent he claims. It is true that the references show that prior to appellant's application, the various elements going to make up appellant's device, were each well known. It is true also, that a somewhat similar result might be obtained, at least, by Taepke's patent. But even though there be nothing novel in the elements combined, if applicant here has, by a combination of known elements, accomplished a new and useful result, he is entitled to his patent. *Seymour v. Osborne*, 11 Wall. 516-542; *In re Cronner*, 52 App. D. C. 257. That he has done so we cannot doubt. By a combination of a lens and a reflector he transmits parallel rays of light obliquely upon the object illuminated, thus accomplishing a result which is generally admitted to be useful and quite desirable.

Nor are we able to see that any of the cited references accomplish exactly the same result. There-

fore, with the purpose of giving to the applicant the benefit of a liberal construction of his claim, we conclude that appellant's claims numbered one, two, three, seven and eight should have been allowed. *Merrill v. Yeomans*, 94 U. S. 568; *In re Parr*, 58 App. D. C. 231; *In re Stevenson*, 56 App. D. C. 143. Claims numbered four, five, six and nine embrace nothing not covered by the references.

The decision of the Board of Appeals is reversed as to claims one, two, three, seven, and eight and is affirmed as to claims four, five, six and nine.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE STAUNTON

No. 2,132. Decided October 4, 1929

DESIGNS—PATENTABILITY—RADIOREPRODUCER.

A design for a radioreproducer held unpatentable over the prior art, since applicant has merely combined features old in two prior patents without new ornamentation.

APPEAL from the Patent Office. Affirmed.

Mr. J. B. Brady for Staunton.

Mr. T. A. Hostetter for the Commissioner of Patents.

BLAND, J.:

This is an appeal from the decision of the Board of Patent Appeals denying application for a design patent for a claimed ornamental design for a radioreproducer.

The application was denied because of the following references: Whitehead, No. 1,495,055, May 20, 1924 (mechanical); Wright, 27,996, December 7, 1897 (design).

Applicant's radioreproducer was made to imitate and resemble a common mantle clock with an elongated base and curved top portion. In general configuration, except as to the degree or slant of the curves or angles, there is very little difference between applicant's design and the Whitehead design of the sectional clock case. In the front of the case is a circular opening of substantially the same size as in the Whitehead design. In applicant's design the opening is covered by a grille, instead of a clock face, through which sounds from the radio are transmitted. In the Wright design of the prism plate we find substantially the same configuration as in the grille work of applicant's design.

In other words, if the Whitehead clock case was fitted with the Wright prism plate and used for a radioreproducer, substantially the same result in purpose and ornamentation would be accomplished. Applicant has combined two old features without new ornamentation. There is no such new invented beauty of artistic conception as to be patentable. *Baker et al. v. Hughes-Evans Co.*, 270 F. R. 97.

We see no invention in applicant's design.

The decision of the Board of Patent Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MOLYNEAUX

No. 2,136. Decided October 4, 1929

1. PATENTABILITY.

The right of an applicant to a patent depends not only upon what his device will do, but what he claims for it.

2. SAME—ANALOGOUS USE.

A claim for a device for the assembling, conveying, and stitching of parts of shoes held unpatentable over the prior art showing similar devices for treating parts of other articles, since "It has been held that a reference to a particular kind of blanks handled, or material used, will not avoid a reference, if the references are functionally analogous to the claim."

APPEAL from the Patent Office. Affirmed.

Mr. F. O. Fish and Mr. C. D. Davis for Molyneaux.

Mr. T. A. Hostetter for the Commissioner of Patents.

GRAHAM, P. J.:

The appellant made application for a patent on a device intended to assemble the several parts of a shoe tip and vamp, to hold the same in proper position and to convey the same to a stitching machine, where they are to be stitched together in such position and relation to each other. Forty-six claims were made, of which a number were allowed and a number rejected by the Primary Examiner and the Board of Appeals. Of the rejected claims, by stipulation of counsel made in open court, but three are here in issue, namely, claims numbered 4, 19, and 43. These claims are as follows:

4. In a machine of the character described, the combination of a conveyor, means for placing on the conveyor and superimposing in predetermined relation to each other the parts of sheet material to be stitched together, a stitching mechanism, and presser means co-operating with the conveyor to hold said parts in position while they are being stitched.

19. In a machine of the character described, the combination of a conveyor, a series of magazines for the parts to be operated upon, means to transfer from the magazines to the conveyor the parts to be operated upon and to superimpose each part in order upon its predecessor on the conveyor, means to hold the parts together in position in the conveyor and a stitching mechanism to secure the parts together.

43. In a machine for sewing together parts of a shoe upper, a sewing mechanism, means for supporting vamp and toe tip pieces, and means operating to take the vamp and tip pieces from the supporting means, assemble them in proper overlapping relation, and retain them in this relation during the operation of the sewing mechanism thereon.

The device in question is, briefly, as follows: Linings, doublers, vamps and leather tips, used in the making of the front parts of shoes, cut to form, are placed in magazines. By means of suction fingers, these are placed, in order and in position, upon a traveling conveyor, where they are held in position by pins inserted through perforations in the various parts. As the parts progress along the conveyor, they are carried into a position where they pass between upper and lower conveyor chains by which they are also held in position, the pins are withdrawn automatically and the parts are carried to the stitching machine and thus stitched together.

All of the claims in issue were rejected by reliance upon reference to patents to Fleckenstein, 705,333, and Miller, 813,908. Claim No. 4 was also rejected on reference to the ordinary sewing machine provided with a lap-seam guide or feller such as is shown in patents to Laubscher, 614,398, and Royle,

757,966. The Fleckenstein patent referred to covers a machine for making mats. In it straw, marsh grass, or other mat-making material is placed upon a traveling conveyor, is held in position by upper and lower carriers and in this way is conducted to a sewing machine and sewed together. The Miller patent involves a machine for assembling collar blanks. Here identically-shaped parts of collars are placed in various magazines. A conveyor and suction fingers are provided. As the conveyor travels forward, the suction fingers take the parts, successively, from the magazine, superimpose them upon each other in the manner desired, upon the conveyor, by means of which they are carried forward and discharged into a receptacle, ready for sewing. The Laubscher patent is a feller attachment for sewing machines. The Royle reference is to a machine for sewing corsets. In both two last-named patents, the conception of holding overlapping parts in position while they are being sewed, is fully covered.

It will be observed by this brief glance at the references, that there seems to be novelty in the application of appellant with respect to the method adapted for holding the parts in position by pins. If so, this is fully covered by claims allowed herein by the Patent Office. As to the conveyers, the series of magazines, the means to transfer from the magazines to the conveyor the parts to be operated upon, the means to hold the parts together in position on the conveyor and the stitching mechanism, these seem to be fully covered by the references.

[1] The right of appellant to a patent depends not only upon what his device will do, but what he claims for it. *Merrill v. Yeomans*, 94 U. S. 568; *Key-stone Bridge Co. v. Phoenix Iron Co.*, 95 U. S. 274. Bearing in mind our conclusion as to the novel features of applicant's invention, an examination of claim 4 discloses that no reference is made therein to said novel features. This claim covers nothing except what is definitely disclosed in the references. The same is true as to claim 19.

[2] The argument is made in support of claim 43 that there is invention in a device for the assembling in position, conveying and stitching of a number of overlapping uppers or other parts of shoes. It has been held that a reference to a particular kind of blanks handled, of material used, will not avoid a reference, if the references are functionally analogous to the claim. *Burt Co. v. Ritchie*, 251 Fed. 909-18; *Rosell v. Allen*, 16 App. D. C. 559; *Millett v. Allen*, 27 App. D. C. 70; *In re Briggs*, 9 App. D. C. 478.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

764,916. (See Re. 12,246.) 768,717. (See Re. 12,246.)

799,829. (See Re. 12,246.) 799,830. (See Re. 12,246.)

807,010. (See Re. 12,246.) 833,506. (See Re. 12,246.)

1,027,570. J. R. Sheldon, Comforter-filling machine; 1,370,411. F. Contrado et al., Mattress-filling machine; D. C., N. D. Ohio (W. Div.), Dec. E 688, *Triangle Kapok Machine Corp. v. Gordon-Chapman Co.* Dismissed under rule 57 Sept. 25, 1929.

1,033,988. (See Re. 12,246.)

1,041,748, G. Dalen, Automatic valve, D. C., S. D. N. Y., Doc. E 46/394, *American Gasaccumulator Co. v. Interflash Signal Corp.* Consent order of discontinuance Sept. 23, 1929.

1,063,076, O. G. Simmons, File, filed Sept. 23, 1929, D. C., N. D. Ohio (E. Div.), Doc. 3127, *Heller Bros. Co. v. The Noltes File Co.*

1,100,934, J. K. Williams, Vulcanizing press, filed Sept. 24, 1929, D. C., N. D. Ohio (E. Div.), Doc. 3128, *National-Erie Co. v. Southwick Foundry & Machine Co.*

1,125,476, G. Claude, System of illuminating by luminescent tubes, D. C., Mass., Doc. E 3159, *Claude Neon Lights, Inc., et al. v. Cenco Neon Laboratories, Inc., et al.* Injunction Sept. 26, 1929.

1,191,306. (See 1,198,246.)

1,198,246, G. A. Lyon, Buffer for motor vehicles; 1,191,306, 1,221,800, T. A. Hoover, Bumper for vehicles, D. C., S. D. N. Y., Doc. E 45/33, *American Chain Co., Inc., v. Stewart-Warner Speedometer Corp. et al.* Consent decree for plaintiff Sept. 26, 1929.

1,221,800. (See 1,198,246.) 1,222,170. (See 1,276,450.)

1,247,419, N. D. Levin, Mining machine; 1,414,877, E. L. Hopkins, Mining apparatus, filed Sept. 25, 1929, D. C., N. D. Ohio (W. Div.), Doc. E 1007, *The Jeffrey Mfg. Co. v. Webster Mfg. Co.*

1,268,580, E. H. Kidder, Grain-car door-opening mechanism, appeal filed Sept. 27, 1929, C. C. A., 8th Cir. (St. Louis), Doc. 3718, *Link Belt Co. et al. v. The Quaker Oats Co.*

1,269,996, P. H. Bartlett, Meter and instrument support, filed Sept. 23, 1929, D. C., S. D. N. Y., Doc. E 50/215, *Metropolitan Device Corp. v. Barber Electric Mfg. Co.*

1,276,450, M. Tibbetts, Refrigerating apparatus; 1,280,765, 1,281,027, G. A. Kramer, same; 1,291,334, F. W. Wolf, Process of and apparatus for refrigeration; 1,337,175, 1,222,170, same, Refrigerating apparatus; 1,367,266, H. B. Joy, same; 1,502,914, same, Compressor, D. C., S. D. N. Y., Doc. E 37/339, *Frigidaire Corp. v. Copeland Sales Co.* Consent order dismissing bill Sept. 27, 1929.

1,280,765. (See 1,276,450.) 1,281,027. (See 1,276,450.)

1,291,334. (See 1,276,450.)

1,291,897, W. C. Huebner, Apparatus for positioning printing plates on the plate holders of photographic-printing apparatus, filed Sept. 30, 1929, D. C., S. D. Ohio (W. Div.), Doc. E 627, *Huebner-Bleistein Patents Co. v. Hennegan Co.*

1,307,285, Wentworth & Perry, Heel-seat-fitting machine, filed Dec. 7, 1928, D. C., S. D. Ohio (W. Div.), Doc. E 570, *United Shoe Machinery Corp. v. The H. Gordon Co., Inc.* Dismissed without prejudice (notice Sept. 30, 1929).

1,314,752, O. Olsen, Article of manufacture, D. C., E. D. Ill. (East St. Louis), Doc. E 2573, *W. A. Collings et al. v. Haydite Co. et al.* Dismissed for want of equity (notice Sept. 28, 1929).

1,320,900, E. I. McKesson, Respirator; Re. 15,873, J. A. Heidbrink, Anaesthetic apparatus, filed Sept. 28, 1929, D. C., N. D. Ohio (W. Div.), Doc. E 1008, *J. A. Heidbrink v. E. I. McKesson.*

1,337,175. (See 1,276,450.) 1,367,266. (See 1,276,450.)

1,368,712, J. Galbraith, Wood-carving machine, D. C., Minn. (4th Div.), Doc. E 917, *J. N. Kirby v. J. Galbraith et al.* Dismissed Sept. 25, 1929.

1,368,779, V. W. Zilen, Elevator for casings or pipings, D. C., S. D. Calif. (Los Angeles), Doc. E N-66-M, *E. C. Wilson et al. v. Dunn Mfg. Co. et al.* Dismissed without prejudice July 8, 1929.

1,370,411. (See 1,027,570.) 1,414,877. (See 1,247,419.)

1,431,336, T. W. Smith, Vanity case, C. C. A., 8th Cir. (St. Louis), Doc. 8573, *F. W. Woolworth Co. v. T. W. Smith.* Decree reversed; bill dismissed Sept. 23, 1929.

1,484,102, C. F. Yardley, Ball anchor; 1,607,644, R. T. Scholes, same; 1,571,218, 1,648,084, H. G. Warr, same, filed May 20, 1929, D. C., Mo. (St. Louis), Doc. 8633, *The P. & M. Co. v. Achuff Ray Supply Co.*

1,502,914. (See 1,276,450.) 1,571,218. (See 1,484,102.)

1,607,644. (See 1,484,102.)

1,640,104, Ballou & Stafford, Ornamentation for a shoe, D. C., S. D. N. Y., Doc. E 43/169, *B. A. Ballou & Co., Inc., v. J. Maser et al.* Consent decree for plaintiff Sept. 23, 1929.

1,648,084. (See 1,484,102.)

1,655,377, J. Leonard, Corset, D. C., S. D. N. Y., Doc. E 45/205, *Charis Corp. v. B. Weinstock (Beness Corsetieres).* Consent decree for plaintiff Sept. 24, 1929.

1,717,938, F. K. Richtmyer, Sign, filed Sept. 24, 1929, D. C., S. D. N. Y., Doc. E 50/217, *Ray-Signs Corp. v. American Gasaccumulator Co.* Same, Sept. 25, 1929, D. C. Mass., Doc. E 3167, *Ray-Signs Corp. v. Persons-Majestic Mfg. Co.*

Re. 12,246, N. F. Ambursen, Dam; 807,010, same, Waste gate for dams; 768,717, Ambursen & Church, Shell dam; 799,829, 833,506, W. L. Church, Dam; 799,830, same, Waterworks dam; 764,916, same, Concrete dam; 1,033,988, H. L. Coburn, Reinforced-concrete dam, D. C., Nebr. (Lincoln), Doc. E 245, *Ambursen Construction Co., Inc., v. Nebraska Corn Mills et al.* Patents held valid Sept. 24, 1929.

Re. 15,873. (See 1,320,900.)

Re. 15,873, J. A. Heidbrink, Anaesthetic apparatus, filed Sept. 28, 1929, D. C., N. D. Ohio (W. Div.), Doc. E 1008, *J. A. Heidbrink et al. v. E. I. McKesson (Toledo Appliance Co.).*

Adjudicated Patents

(D. C. N. Y.) Claude patent, No. 1,125,476, for system of illuminating by luminescent tubes, *Held*, on motion for preliminary injunction, infringed. *Claude Neon Lights v. Sun-Ray Neon Corporation*, 33 F. (2d) 949. (Correcting notice, 387 O. G. 459.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,578,296, A. H. Taylor, Multifrequency crystal-controlled oscillator, decided October 15, 1929, claims 7 and 9.

Pat. 1,698,902, C. M. Bagshaw, Machine for operating upon the heel ends of boots and shoes, decided October 7, 1929, claims 1, 2, 3, 6, 7, 11, 13, 14, and 17.

Interference Notice

U. S. PATENT OFFICE, Washington, Oct. 25, 1929.

Fay B. Duncan, doing business as Mar-Les Polish Co., his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Alfred Pents Company, 812 Belmont Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 4, 1926, No. 212,481, to Fay B. Duncan, doing business as Mar-Les Polish Co., at 617 Seventh Street, Hoquiam, Wash., and a notice of such declaration sent by registered mail to said Duncan at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Duncan, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 26, 1929

[Vol. 388. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 289,565. BLACKWOOD COAL & COKE COMPANY, Philadelphia, Pa. Filed Sept. 10, 1929.



No claim being made to the lump of coal per se. The trade-mark consists in a plurality of white specks of irregular size on the surface of the lumps.

For Coal.

Claims use since Aug. 28, 1929.

Ser. No. 290,250. THE GRAVES COMPANY, Hammond, Ind. Filed Sept. 26, 1929.

FLOTE-ON

For Sand Finish Plaster.

Claims use since July 17, 1929.

CLASS 2

Receptacles

Ser. No. 288,322. EMPIRE BOX CORPORATION, Chicago, Ill. Filed Aug. 9, 1929.



EMPIRE BOX CORP CHICAGO

The representation of the goods and all words shown on the drawing except "Kwikpak" are disclaimed apart from the mark as shown.

For Paper Bread Trays.

Claims use since Aug. 5, 1929.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 291,308. WHEATY TRUNK COMPANY, Racine, Wis. Filed Oct. 19, 1929.

AVIATOR

For Wardrobe Trunks and Cases.
Claims use since Oct. 1, 1929.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 279,648. PHILIP C. FARIBAULT, doing business as Chemite Products Co., Brooklyn, N. Y. Filed Feb. 20, 1929.

CHEMITE

For Washing Powders.
Claims use since Jan. 25, 1929.

Ser. No. 285,663. PAUL L. DURLING, doing business as Little Fairy Products Co., St. Louis, Mo. Filed June 17, 1929.

LITTLE Fairy

For Liquid Prepared and Sold as a Dry Cleansing Compound.
Claims use since June 8, 1929.

Ser. No. 289,508. COTY, INC., Wilmington, Del., and New York, N. Y. Filed Sept. 9, 1929.

CULTURISTE

For Soaps.
Claims use since Aug. 8, 1929.

Ser. No. 290,089. ISAIAH ROTHKOWITZ, doing business as Nonzoline Chemical Products Co., San Francisco, Calif. Filed Sept. 21, 1929.

NONZOLINE

For Liquid Dry Cleaners.
Claims use since July 12, 1929.

Ser. No. 290,579. LITTLEJIM LABORATORIES, INC., Bluefield, W. Va. Filed Oct. 3, 1929.



For Cleaning Preparation in Liquid, Paste, and Soap Form.
Claims use since July 1, 1929.

Ser. No. 290,711. LOS ANGELES SOAP CO., Los Angeles, Calif. Filed Oct. 5, 1929.



For Soap.
Claims use since Oct. 2, 1901.

Ser. No. 290,757. MALLING BROTHERS, INC., Chicago, Ill. Filed Oct. 7, 1929.

Even Glo

For Liquid Shoe Polish.
Claims use since on or about Feb. 1, 1929.

Ser. No. 290,770. WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Oct. 7, 1929.

Sappho

For Leather Dressing.
Claims use since Aug. 1, 1929.

Ser. No. 290,771. WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Oct. 7, 1929.

Midas

For Leather Dressing.
Claims use since Aug. 1, 1929.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

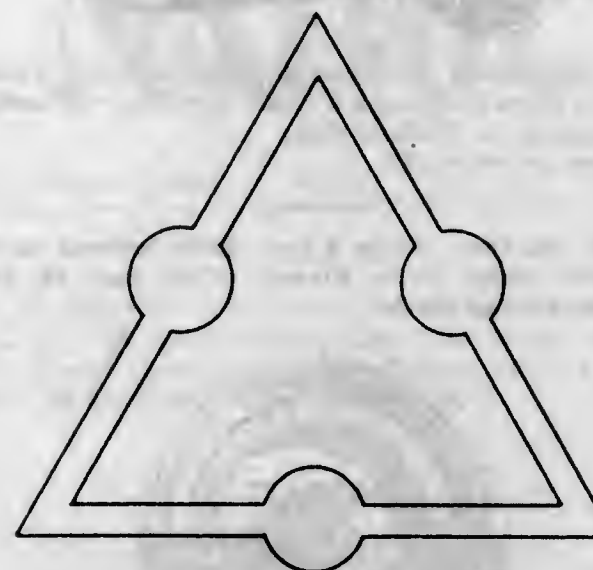
Ser. No. 255,741. CLARA BLACK, Tampa, Fla. Filed Oct. 7, 1927.



BOOM-BOOM

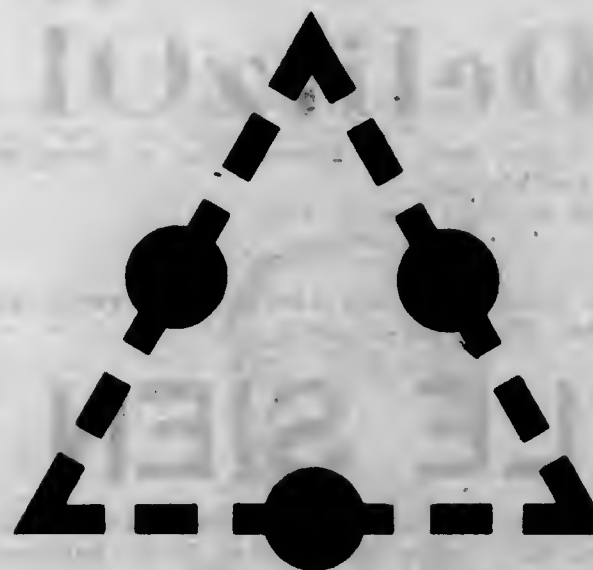
For Medicine for Rheumatism, Lumbago, Neuritis, Arthritis, Gout, Stiff Joints, and Aching Bones.
Claims use since Sept. 29, 1927.

Ser. No. 262,622. THE NEWPORT COMPANY, Carrollville, Wis. Filed Mar. 5, 1928.



For Coal-Tar Dyestuffs and Intermediates Used in Preparation of Dyestuffs, Zinc Chloride, Aluminum Chloride, Creosote Carbonate, Zinc Oxide, Antimony Salt, Cyclohexanol, Tetrahydronaphthalene, Cyclohexanol Acetate, Methyl Cyclohexanol Acetate, Decahydronaphthalene, Cyclohexanone, Isopropyl Alcohol, Methylcyclohexanol, and Sodium Silicate.
Claims use since September, 1916.

Ser. No. 262,628. THE NEWPORT COMPANY, Carrollville, Wis. Filed Mar. 5, 1928.



For Coal-Tar Dyestuffs and Intermediates Used in the Preparation of Dyestuffs, Pine Oil, Borneol, Zinc Chloride, Aluminum Chloride, Creosote Carbonate, Zinc Oxide, Antimony Salt, Cyclohexanol, Tetrahydronaphthalene, Cyclohexanol Acetate, Methyl Cyclohexanol Acetate, Decahydronaphthalene, Cyclohexanone, Isopropyl Alcohol, Methylcyclohexanol, and Sodium Silicate.
Claims use since August, 1924.

Ser. No. 264,540. SHIGETARO TAKAHASHI, San Francisco, Calif. Filed Apr. 7, 1928.

GEISHAGIRL



標商 録登

For Perfumed Incense Sticks for Cigarettes and Cigars.
Claims use since Mar. 1, 1928.

Ser. No. 269,302. HARRY L. MCKINNEY, St. Paul, Minn. Filed July 9, 1928.

DR. J. H. REYNOLD'S

RUSSIAN MEDICINE

The portrait comprising a part of the trade-mark is fanciful. The use of the words "Dr. J. H. Reynolds, Russian," and "Medicine" apart from the mark as shown in the drawing is disclaimed.
For Strengthening and Healing Medicine.
Claims use since May 1, 1926.

Ser. No. 278,391. X-IT LABORATORIES, INC., New York, N. Y. Filed Dec. 6, 1928.



The words "Tooth Paste" are disclaimed apart from the mark shown.
For Tooth Paste.
Claims use since Oct. 15, 1928.

Ser. No. 276,938. FLORIAN, INC., Detroit, Mich. Filed Dec. 18, 1928.

Trim

For Preparation for Treating the Hair.
Claims use since Nov. 27, 1928.

Ser. No. 281,556. C. W. GILLIN, Los Angeles, Calif., assignor to Hollywood Beauty Laboratories, Inc., Los Angeles, Calif. Filed Mar. 29, 1929.



For Dentifrices, Face Creams, Skin Lotions, Hair Preparations, Perfumes, Face Powders, Rouge, Bath Salts and Powders, Depilatories; a Preparation for the Treatment and Removal of Corns, and Manicure Tolerities—Namely, Nail Polish, Liquid Cuticle Remover, and Liquid Polish Remover.

Claims use since Dec. 21, 1928.

Ser. No. 283,626. HUBERT E. ROUSH, doing business as Roush Drug Company, Humeston, Iowa. Filed May 7, 1929.

VAPOH

For Inhalant for the Treatment of Head Colds, Hay Fever, Nasal Catarrh, and Sinus Affections.
Claims use since about Apr. 18, 1929.

Ser. No. 284,679. R. C. JENKINS, doing business as Lake Geneva Drug Co., and Orange Cross Laboratory, Lake Geneva, Fla. Filed May 27, 1929.



The drawing is lined for orange.
For Tonic for Indigestion and the Digestive Organs and a Chloroform Liniment.
Claims use since April, 1929.

Ser. No. 285,280. L. MONNIER & C^{ie}, La Chaux-de-Fonds, Switzerland. Filed June 8, 1929.



For Radioactive Luminous Materials in Paste, Powder, or Other Form Containing a Small Percentage of Radium, Mesothorium, or Radiothorium.
Claims use since 1919.

Ser. No. 285,799. WARIN & C^{ie}, doing business as Parfumerie Ninon, Paris, France. Filed June 19, 1929. Under 10-year proviso.



For Dentifrices in Powder, Paste, Cake, and Liquid Form; Perfume Extracts, Toilet Waters, and Hair Tonics.
Claims use since Jan. 1, 1869.

Ser. No. 286,423. LENA DELITZ, Rochester, N. Y. Filed July 1, 1929.

DelitzOl

For Medical Salve for External Use on Sores, Boils, Burns, and Wounds.
Claims use since Jan. 26, 1928.

Ser. No. 287,001. SOCIÉTÉ ANONYME JEAN PATOU, Paris, France. Filed July 24, 1929.

LE SIEN

For Perfumes, Toilet Waters, Face Powders, Talcum Powders, Face Creams, Rouges, Lip Sticks, Brilliantine, Bath Salts, Sachets.
Claims use since Mar. 23, 1928.

Ser. No. 288,120. SIDNEY M. HARVEY, Detroit, Mich. Filed Aug. 5, 1929.

WELDRITE Poroseal

For Compound Used as a Flux and for Sealing Holes in Metal.
Claims use since July, 1929.

Ser. No. 288,294. WILLIAM F. WENGENROTH, doing business as Naboc Company, New York, N. Y. Filed Aug. 8, 1929.

NABOC

For Tooth Powder.
Claims use since on or about July 10, 1929.

Ser. No. 288,372. BENJAMIN T. GALE, doing business as Mary T. Goldman Company, St. Paul, Minn., assignor to Monroe Chemical Company, Quincy, Ill., a Corporation of Maryland. Filed Aug. 10, 1929.



For Hair Dyes, Hair Color Restorers, and Hair Tonics and Shampoos.
Claims use since Mar. 1, 1901.

Ser. No. 288,381. SAMUEL KATZ, doing business as Pomroy Herb Laboratories, New York, N. Y. Filed Aug. 10, 1929.



The portrait and signature are those of Dr. T. W. Pomroy, deceased.
For General Medicinal Tonic.
Claims use since July 8, 1929.

Ser. No. 288,549. CURTIS CHEMICAL COMPANY, Minneapolis, Minn. Filed Aug. 15, 1929.

VELVET



For Water-Softening Compound.
Claims use since June 1, 1928.

Ser. No. 288,653. KARLSON'S-KLISTER CO. INC., Rockford, Ill. Filed Aug. 17, 1929.



For Preparation for Stopping Runs in Hosiery.
Claims use since June 4, 1929.

Ser. No. 288,753. LUBIN PERFUMERY CORPORATION, Wilmington, Del., and New York, N. Y. Filed Aug. 20, 1929.

MONBROSIA

For Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Rouge, Face Creams, Brilliantine, Lotion for the Skin and Hair, Bath Salts, Dentifrices.
Claims use since October, 1925.

Ser. No. 289,209. SILMO CHEMICAL COMPANY, INC., Vineyard, N. J. Filed Aug. 30, 1929.



For Cod-Liver Oil Preparation for Poultry and Stock Feed.
Claims use since December, 1928.

Ser. No. 289,342. DEPYRO LABORATORIES, Portland, Me.
Filed Sept. 5, 1929.

De-py-ro-gen

For Mouth Wash.
Claims use since May, 1929.

Ser. No. 289,434. ANHEUSER-BUSCH, INCORPORATED, St.
Louis, Mo. Filed Sept. 7, 1929.



In the drawing the body portion of the neck label and
the upper panel and border of the lower panel of the
body label are lined for red.

For Malt Tonic for Medicinal Purposes.
Claims use since Aug. 10, 1929.

Ser. No. 289,656. THE TILDEN COMPANY, New Lebanon,
N. Y. Filed Sept. 11, 1929.

FIRWEIN

For Expectorant, Sedative, Antispasmodic Medicine.
Claims use since May, 1875.

Ser. No. 289,657. THE TILDEN COMPANY, New Lebanon,
N. Y. Filed Sept. 11, 1929.

Maltopepsine

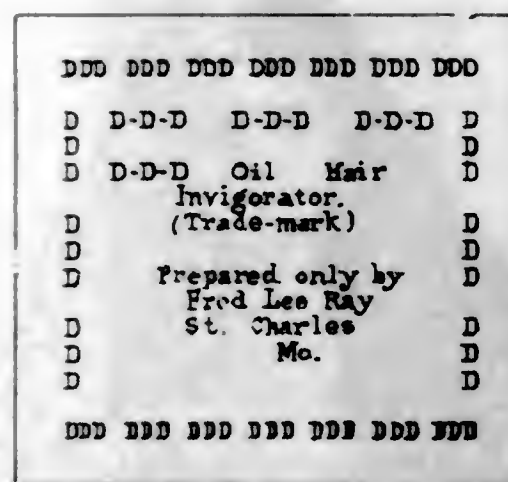
For Medicinal Preparation for the Relief of Stomachic
and Intestinal Troubles.
Claims use since 1879.

Ser. No. 289,746. INTERNATIONAL PERFUME COMPANY,
INC., New York, N. Y. Filed Sept. 13, 1929.



For Compact Powder and Rouge Sold Separately or
Put Up in Vanity Cases and as Refills for Vanity Cases.
Claims use since May, 1928.

Ser. No. 289,760. FRED LEE RAY, St. Charles, Mo. Filed
Sept. 13, 1929.



The wording appearing on the drawing is disclaimed
apart from the mark as shown.

For Pharmaceutical Preparation Prepared and Sold as
an Oil for Treating the Hair.
Claims use since Aug. 26, 1929.

Ser. No. 289,794. MONTICELLO DRUG COMPANY, Jackson-
ville, Fla. Filed Sept. 14, 1929.

BRANOL

For Nervine for Headaches, Neuralgia, Colds, and
Fatigue.
Claims use since August, 1929.

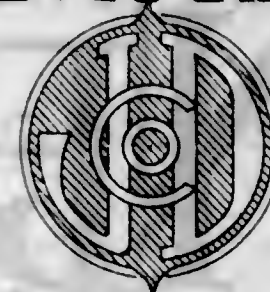
Ser. No. 289,796. FRED MULHENS, INC., New York, N. Y.
Filed Sept. 14, 1929.

GAVOTTE

For Eau de Cologne, Lavender Water, Hair Washer for
the Prevention of Dandruff and Baldness, Brilliantine,
Depilatories, Shampoo Powder, Hair Oil, Mouth Lotion,
Tooth Paste, Vanishing Cream, Cold Cream, Bath Salts,
Face Powders, Compact Powder Refills, Talcum Powder,
Sachet Powder, Smelling Salts, and After-Shaving Lotion.
Claims use since Sept. 6, 1929.

Ser. No. 289,933. JULIAN DRUG COMPANY, Paterson, N. J.
Filed Sept. 18, 1929.

MALVA REALE



The lining shown in the drawing indicates the color
green. No claim is made to the words "Malva Reale"
apart from the mark as shown.

For Medicinal Preparation for the Treatment of Bron-
chial Disturbances.
Claims use since June 15, 1929.

Ser. No. 290,078. WILLIAM J. MOSNER, doing business
as Wm. J. Mosner Co., St. Louis, Mo. Filed Sept. 21,
1929.

KEEN CREAM

The word "Cream" is disclaimed apart from the other
features of the mark shown in the drawing.

For Cream for Use as a Depilatory for the Removal of
Superfluous Hair from the Human Body.
Claims use since Sept. 1, 1929.

Ser. No. 290,194. ABRAHAM PARODNEY, doing business as
Dupree Medical Company, New York, N. Y. Filed Sept.
24, 1929.



For Pills Used for the Alleviation of Amenorrhea and
Dysmenorrhea; Tablets Used for the Treatment of In-
flamed Mucous Membranes, Catarrhal Infections, Leu-
corrhoea, Pruritus Discharges, and as a General Antiseptic;
and Suppositories Used as a Deodorant and Astringent.
Claims use since 1910.

Ser. No. 290,265. CLARKE N. MERTZ, Topeka, Kans.
Filed Sept. 26, 1929.

FLAVIOL

For Paste or Fluid Medical Dressing Used as a Post-
operative Treatment for Oral Surgery.
Claims use since Dec. 10, 1926.

Ser. No. 290,271. RIGGS MEDICATED TOOTH POWDER CO.,
Orlando, Fla. Filed Sept. 26, 1929.



For Tooth Powder.
Claims use since May 1, 1921.

Ser. No. 290,317. ISAAC DAVID LEVINSON, doing business
as Special Prescription Products Laboratories, Detroit,
Mich. Filed Sept. 27, 1929.

TACCO

For Medicine for Colds on Chest, Coughs, Hoarseness
Due to Colds.
Claims use since Sept. 10, 1920.

Ser. No. 290,320. HILDER PHILLIPS, doing business as
Mme. Philippe, New York, N. Y. Filed Sept. 27, 1929.



No claim is made to the words "Trade Mark" apart
from the mark shown on the drawing.

For Cold Cream.
Claims use since Sept. 10, 1929.

Ser. No. 290,331. ABBOTT LABORATORIES, North Chicago,
Ill. Filed Sept. 28, 1929.

ACRITHESIN

For Surgical Dressing for Use in Alveolar Sockets Fol-
lowing Extraction.
Claims use since Sept. 2, 1929.

Ser. No. 290,338. FRANK A. CAMERON, Salt Lake City, Utah. Filed Sept. 28, 1929.

Color Bow

For Hair-Color Restorer.
Claims use since March, 1929.

Ser. No. 290,454. COTY, INC., Wilmington, Del., and New York, N. Y. Filed Oct. 1, 1929.

GITANE

For Lip Sticks.
Claims use since Sept. 2, 1929.

Ser. No. 290,463. Dr. CARL HAMBURGER, Berlin, Germany. Filed Oct. 1, 1929.

Glaukosan

For Medicinal Preparations for the Treatment of Glaucoma.
Claims use since Dec. 23, 1925.

Ser. No. 290,528. FRANK X. SCHRAM, doing business as F. X. Schram Laboratories, Chicago, Ill. Filed Oct. 2, 1929.

METH A GUEN

For a Medicinal Preparation for Treatment of Weak Arches, Myalgia, Ligamentous Strain, Metatarsalgia, Morton's Neuralgia, Bursitis, Infections, Suppurations, Inflamed Corns, Inflammation and Infection Caused by Ingrown Nails.

Claims use since May 18, 1929.

Ser. No. 290,589. DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Oct. 10, 1929.

OVA-RESIDOL

For Medicinal Preparation Designed in General Where It is Desired to Stimulate the Ovary without Increasing the Activity of the Corpus Luteum.
Claims use since Sept. 1, 1929.

Ser. No. 290,920. DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Oct. 10, 1929.

THYMOPITUIT-OL

For Medicinal Preparation Designed to Accelerate the Whole Process of Childbirth.
Claims use since Sept. 1, 1929.

Ser. No. 291,016. NICE LAUNDRY BLEACH CO., Hudson, Ohio. Filed Oct. 12, 1929.

NLB

For Bleaching Solution with Incidental Cleaning Properties.
Claims use since Aug. 5, 1929.

Ser. No. 291,154. GEORGE C. WILSON, doing business as The Wilson Chemical Company and The Wilson Products Company, Tyrone, Pa. Filed Oct. 16, 1929.



The drawing is lined for red and black.
For Cough Drops.
Claims use since June 15, 1929.

Ser. No. 291,157. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Filed Oct. 17, 1929.

CLORA-CAMNE

For Emollient for Burns and as a Surgical Dressing.
Claims use since Aug. 8, 1929.

Ser. No. 291,198. THE APEX PRODUCTS CORPORATION, Chicago, Ill. Filed Oct. 18, 1929.

Steamex

For Vapor Treatment for Coughs and Colds.
Claims use since Sept. 16, 1929.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 289,747. KAUFMANN BROS. & BONDY, INC., West New York, N. J. Filed Sept. 13, 1929.

TOBACCO-YELLO

No claim is made to the exclusive use of the word "Tobacco" apart from the mark as shown in the drawing.
For Cigar Holders and Cigarette Holders.
Claims use since June 1, 1929.

CLASS 10

Fertilizers

Ser. No. 289,161. PHILLIPS FERTILIZER COMPANY, Washington, N. C. Filed Aug. 29, 1929.

**PHILLIPS
VERI-BEST
FERTILIZERS**

No claim is made to the expression "Veri-Best" or the word "Fertilizers" except as shown in the drawings.
For Mixed Fertilizers.
Claims use since January, 1926.

CLASS 12

Construction Materials

Ser. No. 279,953. JOSE A. PATINO, Paramus and Rochelle Park, N. J. Filed Feb. 26, 1929.



The word "Patino" is disclaimed apart from the mark shown in the drawing.
For Waterproofing Compositions for Construction Materials.
Claims use since Feb. 16, 1929.
388 O. G.—52

Ser. No. 285,592. QUALITY PRODUCTS INSTITUTE, Philadelphia, Pa. Filed June 14, 1929.



For Hydrated Lime and Trowlite Cement.
Claims use since on or about Jan. 25, 1928.

Ser. No. 288,419. DE PAOLI COMPANY, INC., New York, N. Y. Filed Aug. 12, 1929.

DOUBLE DUTY DIVIDER

The word "Divider" is disclaimed apart from the other features of the mark appearing in the drawing.
For Composition Flooring Division Strips.
Claims use since Apr. 1, 1929.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 273,359. THE BROMWELL WIRE GOODS COMPANY, Cincinnati, Ohio. Filed Oct. 4, 1928.

BROMELITE

For Base-Metal Hand and Range Toasters, Pots, Pans, Kettles, Percolators, Roasters, Pitchers, Dippers, Trays, and Table Hollow Ware.
Claims use since about May 1, 1928.

Ser. No. 287,859. PAUL PANHORST, doing business as Pan-Horst Company, Philadelphia, Pa. Filed July 30, 1929.

PAN

For Plumbing and Steamfitting Valves.
Claims use since May 2, 1929.

Ser. No. 289,546. SIMPLEX VALVE AND METER COMPANY, Philadelphia, Pa. Filed Sept. 9, 1929.

SIMPLEX

For Air-Release Valves, Vacuum Valves, Rate-of-Flow Controllers, Automatic Shut-Off Controllers, Filter-Wash Rate Controllers, Special Flow Controllers, Control Devices for Pressure Filter Units.

Claims use since about 1903.

Ser. No. 289,701. THE RELIANCE MANUFACTURING COMPANY, Massillon, Ohio. Filed Sept. 10, 1929.

HY-CROME

Applicant does not claim the right to the exclusive use of the word "Crome" apart from the mark shown in the accompanying drawing.

For Nut Locks and Spring Washers.
Claims use since about Aug. 1, 1921.

Ser. No. 290,388. THE WEIDLICH BROS. M'FG. CO., Bridgeport, Conn. Filed Sept. 30, 1929.



For Pewter-Ware—Namely, Cups, Bowls, Dishes, Trays, Pitchers, Salt and Pepper Shakers, Platters, Vases, Bonbon Bowls.

Claims use since Aug. 31, 1920.

Ser. No. 290,481. UNITED MANUFACTURING COMPANY, INC., Philadelphia, Pa. Filed Oct. 1, 1929.



For Bird Baths Used on Bird Cages.
Claims use since Sept. 1, 1927.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 273,311. P. L. & M. COMPANY, Los Angeles, Calif. Filed Oct. 3, 1928.

BLACKOR

For Metallic Composition for Forming Metal Facings.
Claims use since July 11, 1928.

Ser. No. 289,299. SPRINGFIELD BRONZE COMPANY, Springfield, Mass. Filed Sept. 3, 1929.

DIA-LYTE

For Bronze and Aluminum Castings.
Claims use since Aug. 30, 1929.

Ser. No. 289,831. LUDLUM STEEL COMPANY, Watervliet, N. Y. Filed Sept. 16, 1929.

E-O-N

For Alloy Steels.
Claims use since Sept. 3, 1929.

CLASS 15

Oils and Greases

Ser. No. 273,033. ELMER D. VAN ROO, doing business as Penn Oil Products Company, Milwaukee, Wis. Filed Sept. 26, 1928.

CAT. TRAC

For Lubricants Having an Oil Base.
Claims use since Aug. 15, 1928.

Ser. No. 283,188. THE FRANKLIN OIL & GAS COMPANY, Bedford, Ohio. Filed Apr. 29, 1929.

DUROIL

For Lubricating Oil.
Claims use since about Feb. 1, 1929.

Ser. No. 287,175. C. & S. CLEMENTSON, Malmo and Lihann, Sweden. Filed July 16, 1929.



For Light Upper Lubrication Oil Intended to be Mixed with the Fuel for Internal-Combustion Engines.
Claims use since May 10, 1924.

Ser. No. 289,898. THE MASTER CRAFT CANDLE WORKS, Kearny, N. J. Filed Sept. 17, 1929.

BELLE-RAY

For Candles.
Claims use since Sept. 9, 1929.

Ser. No. 290,087. QUAKER STATE OIL REFINING CO., Oil City, Pa. Filed Sept. 21, 1929.

THERE'S
AN
EXTRA
QUART IN
EVERY
GALLON

For Lubricating Oils and Greases.
Claims use since Aug. 15, 1929.

Ser. No. 290,801. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Oct. 8, 1929.

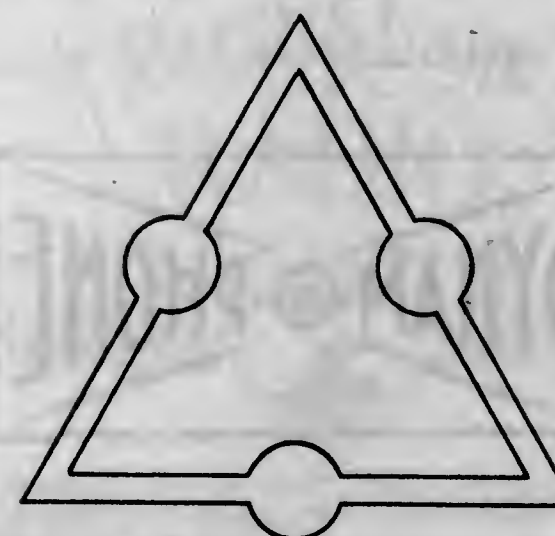
FLAMO

For Gasoline for Illuminating Purposes, Gasoline for Fuel Purposes, Gasoline for Heating Purposes.
Claims use since Aug. 19, 1929.

CLASS 16

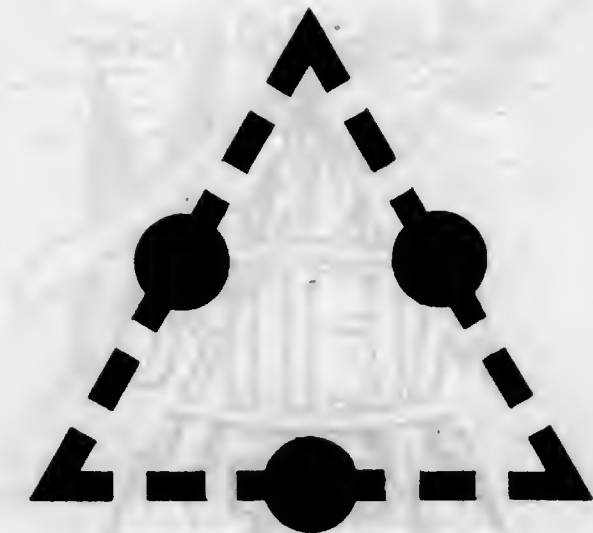
Paints and Painters' Materials

Ser. No. 270,642. THE NEWPORT COMPANY, Carrollville, Wis. Filed Aug. 6, 1928.



For Turpentine.
Claims use since September, 1916.

Ser. No. 270,644. THE NEWPORT COMPANY, Carrollville, Wis. Filed Aug. 6, 1928.



For Turpentine.
Claims use since August, 1924.

Ser. No. 289,876. E. W. COLLEDGE, GENERAL SALES AGENT, INC., Jacksonville, Fla. Filed Sept. 17, 1929.

LAKSOL

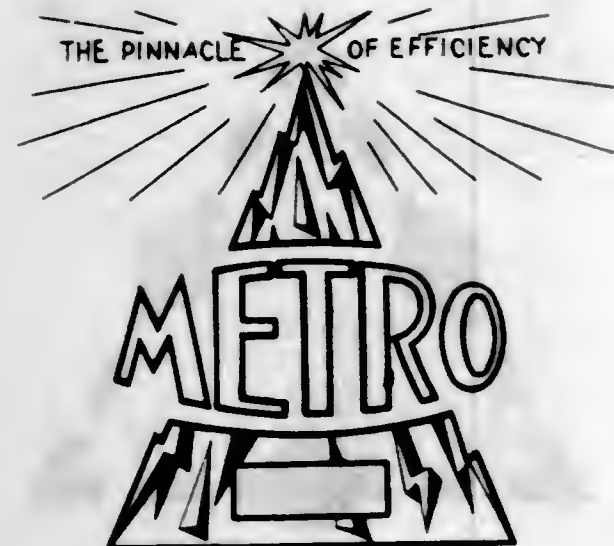
For Diluent and Solvent for Lacquers.
Claims use since September, 1928.

Ser. No. 290,372. JOHN W. MASURY & SON, Brooklyn, N. Y. Filed Sept. 28, 1929.



No claim is made to the words "All Purpose Semi-Paste White" apart from the mark as shown in the drawing.
For Semipaste White Paint.
Claims use since Aug. 31, 1929.

Ser. No. 290,568. GEORGE FREDKIN, doing business as Metropolitan Polish Co., Los Angeles, Calif. Filed Oct. 3, 1929.



For Automobile and Furniture Polish.
Claims use since Dec. 1, 1928.

Ser. No. 291,079. BENMAR PRODUCTS COMPANY, Los Angeles, Calif. Filed Oct. 15, 1929.



For Automobile Polish.
Claims use since Oct. 1, 1929.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 290,410. THE HINSON MANUFACTURING COMPANY, Waterloo, Iowa. Filed Sept. 30, 1929.

TYRONNE

For Vehicle Seat Covers.
Claims use since on or about Feb. 26, 1929.

Ser. No. 290,431. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 30, 1929.

Society

For Automobile Seat Covers.
Claims use since May 4, 1929.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 282,014. SUN-GLO NEON CORPORATION, Fort Worth, Tex. Filed Apr. 8, 1929.



No claim is made for the words "Neon Beacon" and the representation of a beacon apart from the mark shown in the drawing. The representation of a light is lined to indicate red. The lines of the background indicate shading.

For Luminescent Tubes, Being Gas Filled Supplied with a Current of Electricity and Used in Display Signs, and Luminescent Tube Products Consisting of Supports for Luminescent Gas-Filled Tubes, High-Tension Insulators, and Electrode Housings.

Claims use since Sept. 1, 1927.

Ser. No. 283,216. PIERCE-AIRO INCORPORATED, New York, N. Y. Filed Apr. 29, 1929.

ROBINHOOD

For Electrical and Radio Products Consisting of Radio Receiving Sets and Radio Chassis.
Claims use since Feb. 1, 1929.

Ser. No. 283,955. KERN-O'NEILL COMPANY, Minneapolis, Minn. Filed May 13, 1929.



For Sound-Reproducing Machines Each Consisting of a Pick-Up Separate from and Adapted to be Attached to a Phonograph for Electrically Reproducing for Subsequent Amplification Sounds Recorded upon Phonograph Records.
Claims use since Apr. 1, 1929.

Ser. No. 284,662. FRANCIS L. ATWOOD, doing business as Atwood Mfg. Co., Madison, Ind. Filed May 27, 1929.

LUCKY LADY

For Portable Electric-Motor-Driven Polishing and Mixing Devices.

Claims use since Apr. 10, 1929.

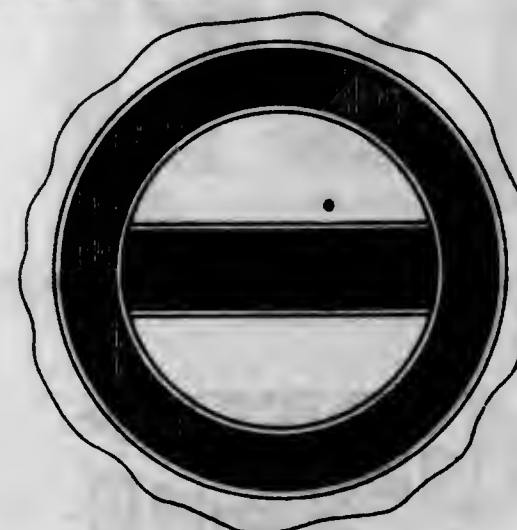
Ser. No. 288,484. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Aug. 14, 1929.

Sunbeam

For Electric Percolators and Electric Lighters for Pipes, Cigars, and Cigarettes.

Claims use since May 1, 1929.

Ser. No. 289,187. CHARLES A. HASSLINGER, doing business as Hasslinger's Battery Service, Baltimore, Md. Filed Aug. 30, 1929.



The drawing is lined to indicate the color red.
For Batteries.
Claims use since May 15, 1928.

Ser. No. 289,871. BUSH & LANE PIANO COMPANY, Holland, Mich. Filed Sept. 17, 1929.



The exclusive use of the words "Radio" and "Built Like a Fine Piano" are disclaimed.
For Radio Receiving Sets.
Claims use since on or about Apr. 10, 1929.

Ser. No. 290,077. MONARK BATTERY COMPANY, Chicago, Ill. Filed Sept. 21, 1929.



For Storage Batteries.
Claims use since Aug. 23, 1929.

Ser. No. 290,133. LOS ANGELES BATTERY MFG. CO., Los Angeles, Calif. Filed Sept. 23, 1929.

LABCO

For Battery-Cell Connectors.
Claims use since about Aug. 8, 1929.

Ser. No. 290,161. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Sept. 23, 1929.

AQUALUX

For Underwater Electric-Lighting Fixture Units.
Claims use since on or about Feb. 15, 1929.

Ser. No. 290,163. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Sept. 23, 1929.

Chromilux

For Electric-Lighting Fixtures.
Claims use since on or about Mar. 1, 1929.

Ser. No. 290,165. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Sept. 23, 1929.

CHROMILITE

For Electric Flood Lights.
Claims use since on or about July 1, 1928.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 281,835. LAWRENCE D. SHINN, doing business as Drivo Company, Washington, D. C. Filed Apr. 4, 1929.

Drivo

For Device for Practicing Golf Indoors Consisting of a Ball, Tee, and String of Weights Having a Flexible Cover. Claims use since Mar. 5, 1929.

Ser. No. 290,167. JOSEPH G. WILLEKE, doing business as Rotolette Manufacturing Co., Seattle, Wash. Filed Sept. 23, 1929.



No claim is made to the word "Foot-Ball" apart from the mark as shown.

For Game Boards.

Claims use since about May 15, 1929.

Ser. No. 290,297. L. BAMBERGER & Co., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Toy Aeroplanes, Artificial Ball, Golf Balls, Golf Clubs, Lawn-Tennis Racquets, Golf Tees and Golf Bags, Lawn-Tennis and Football Balls, Basket Balls, Baseballs, Baseball Gloves, Scooters, Playing Cards, Bridge Sets, Christmas-Tree Ornaments, Dolls; Fishing Tackle—Namely, Fishing Lines, Fishhooks, Fishing Reels, Fishing Poles, and Artificial Bait; Games—Namely, Chess, Checkers, Ping-Pong, Parchesi, and Lotto; Skates, Skis, Toboggans, Hockey Sticks, Swings, Velocipedes.

Claims use since July, 1924.

Ser. No. 291,081. OTTO A. DRENGWITZ, Jeannette, Pa. Filed Oct. 15, 1929.

OT-O-WIN

For Toys and Games—Namely, Mechanical Spring and Pull Toys and Table Board Games. Claims use since Sept. 30, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 271,421. THE BASSICK MANUFACTURING COMPANY, now by change of name to Alemite Corporation, Chicago, Ill. Filed Aug. 23, 1928.

ALEMITE GAT

For Apparatus for Applying and Dispensing Lubricant—Namely, Grease Guns and Parts Thereof. Claims use since July 26, 1928.

Ser. No. 283,834. HENRY B. COWAP, Evanston, Ill. Filed May 10, 1929.

HARD BOILED COP

For Mechanically-Operated Automobile Signals. Claims use since Nov. 15, 1928.

Ser. No. 285,513. THE GREEN FLASH CORPORATION, Chicago, Ill. Filed June 13, 1929.

GREEN FLASH

The drawing is lined to indicate the color green. For Hydraulic Jacks. Claims use since May 11, 1929.

Ser. No. 286,670. VOGT PROCESSES, INCORPORATED, Louisville, Ky. Filed July 5, 1929.

VOTATOR

For Machine for Processing Materials in Liquid or Plastic Forms Including the Manufacture of Ice Cream and Ices, Processing Vegetable-Oil Compounds Including Lard Substitutes, the Manufacture of Oleomargarine, the Freezing or Refrigeration of Fruit Juices and Eggs, Processing of Soap Stock for Making Bar Soap.

Claims use since June 14, 1929.

Ser. No. 288,832. E. C. ATKINS AND COMPANY, Indianapolis, Ind. Filed Aug. 22, 1929.



That portion of the drawing indicating the back edge of the blade is lined for the color blue. No claim is made to the representation of a cutter blade aside from the mark shown.

For Cutter Blades for Rotary Cutter Heads. Claims use since May 1, 1925.

Ser. No. 289,411. NATIONAL-ERIE COMPANY, Erie, Pa. Filed Sept. 6, 1929.



For Gears; and Rubber Machinery—Namely, Crackers and Washers and Refiners, Mills and Mill Aprons and Calendars, Presses, Tubers and Strainers and Insulators, Cutters, Tube-Molding Machines, and Tire and Tube Repair Equipment.

Claims use since on or about Mar. 1, 1929.

Ser. No. 289,799. NOISELESS FOLDER COMPANY, Minneapolis, Minn. Filed Sept. 14, 1929.

ROTAFOLD

For Letter-Folding Machines. Claims use since Aug. 30, 1929.

Ser. No. 290,011. THE COLLINS COMPANY, Collinsville, Conn. Filed Sept. 20, 1929.



The lining in the drawing is used for purposes of shading only. All the wording on the drawing except "Lucha-

dor" and "The Collins Company" being disclaimed apart from the mark shown on the drawing.

For Axes, Hatchets, Adzes, Bush Hooks, Machetes, Saws, Chisels, Knives, Swords, Sickles, Mattocks, Pick Axes, Shovels, Spades, Crowbars, Picks, Hoes, Mill Picks, Sledges, Hammers, Wedges, Wrenches, Augers, Boring Bits, Earth and Rock Drills, Cavadores, Barretones, Tarpalas, Palas, Tercados, Jincolas, Barras, Lanzas, Lancitas, Arpones, Cleavers, Bayonets, and Plows and Parts Thereof.

Claims use since Jan. 1, 1928.

Ser. No. 290,059. EDGEWORTH RAZOR BLADE CO., New York, N. Y. Filed Sept. 21, 1929.

Gotham

For Razor Blades. Claims use since Sept. 16, 1929.

Ser. No. 290,129. INTERNATIONAL TOOL COMPANY, INC., Lincoln, Nebr. Filed Sept. 23, 1929.



The words "The Combination Rake and Hoe" are hereby disclaimed. The drawing is lined for the color green. For Combination Hoes and Rakes. Claims use since about July 15, 1929.

Ser. No. 290,414. JOHNSON MOTOR COMPANY, Waukegan, Ill. Filed Sept. 30, 1929.

UTILIMOTOR

For Internal-Combustion Engines. Claims use since July 24, 1929.

Ser. No. 291,237. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Filed Oct. 18, 1929.

MIXFLO

For Pumping Machinery and Pumps. Claims use since April, 1928.

Ser. No. 291,258. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Filed Oct. 18, 1929.

FREFLO

For Pump Machinery and Pumps.
Claims use since April, 1928.

Ser. No. 291,259. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Filed Oct. 18, 1929.

HIFLO

For Pump Machinery and Pumps.
Claims use since April, 1928.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 277,756. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany. Filed Jan. 9, 1929.

Brinton-

For Photographic Films.
Claims use since about Nov. 14, 1928.

Ser. No. 288,240. B. M. LEVOY, INC., New York, N. Y. Filed Aug. 7, 1929.

CLEREVU

For Field Glasses, Binoculars, Monoculars, Telescopes, Microscopes, Magnifying Glasses, Thermometers, Barometers, Hygrometers, Compasses, Pedometers, Magnifying Glasses Known as Counters, Stop Watches, Sun Glasses, Auto Goggles, Aviation Goggles, Opera Glasses, Oxford Eyeglasses, Lorgnettes, Spectacle and Eyeglass Frames, and Lenses for Spectacles and Eyeglasses.
Claims use since Feb. 1, 1928.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 288,661. S. NATHAN & Co. INC., New York, N. Y. Filed Aug. 17, 1929.



The exclusive use of the words "Genuine Stones" is disclaimed apart from the mark shown on the drawing. For Precious Stones for Jeweler's Use.
Claims use since May 1, 1929.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 285,877. OSRAM G. M. B. H. KOMMANDITGESELLSCHAFT, Berlin, Germany. Filed June 20, 1929.

TERFLUX

For Pottery, Chinaware, Stoneware, Earthenware, Terra-Cotta Ware, and Porcelain Ware.
Claims use since Aug. 28, 1928.

CLASS 32

Furniture and Upholstery

Ser. No. 267,245. THE CRESCENT PANEL COMPANY, INC., Louisville, Ky. Filed May 31, 1928.



All language, excepting applicant's name and the word "Aquatite," is disclaimed apart from the mark as shown. The drawing is lined to indicate blue and red.
For Finished Panels and Tops Constructed of Wood and Used in the Fabrication of Furniture.
Claims use since Mar. 1, 1928.

Ser. No. 272,869. DERRY-MADE PRODUCTS, INC., Boston, Mass. Filed Sept. 24, 1928.

SLUMBER QUEEN

For Mattresses.
Claims use since Mar. 1, 1927.

Ser. No. 279,805. ISIDOR NABOICHECK, doing business as Standard Mattress Company, Hartford, Conn. Filed Feb. 23, 1929.

Gold Bond

BRAND

Applicant hereby disclaims the word "Brand" in said drawing and specimens.
For Mattresses and Pillows.
Claims use since Dec. 9, 1924.

Ser. No. 290,130. THE KAWNEER COMPANY, Niles, Mich. Filed Sept. 23, 1929.

Kawneer

For Show Cases, Metal Show Cases, and Metal Constructional Parts of Show Cases.
Claims use since February, 1922.

CLASS 33

Glassware

Ser. No. 287,732. ACETEX SAFETY GLASS LIMITED, London, England. Filed July 27, 1929.

ACETEX

For Shatter-Proof Glass.
Claims use since June 11, 1928.

Ser. No. 288,808. ISO GESELLSCHAFT M. R. H., Frankfurt-on-the-Main, Germany. Filed Aug. 21, 1929.

Isopule

For Glass Ampullas.
Claims use since February, 1929.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 290,213. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Filed Sept. 25, 1929.



Time to Re-tire

For Vehicle Tires Made Wholly or Partly of Rubber and Rubber Tubes Therefor.
Claims use since Sept. 18, 1929.

Ser. No. 291,218. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Oct. 18, 1929.

AIRWHEEL

For Pneumatic and Cushion Tires Constructed Wholly or Partly of Rubber for Use on Motor Cars, Motor Trucks, Motorcycles, Bicycles, Lighter-Than-Air Craft and Heavier-Than-Air Craft of All Types and Description, Treads, Tire Shoes and Inner Tubes Therefor; Rubber Nonskid Devices for Said Tires; Inside Tire Protectors; Outside Tire Protectors; Portable Tire and Tube Repair Outfits; and Repair Patches and Bandages Therefor.
Claims use since Sept. 18, 1929.

CLASS 36

Musical Instruments and Supplies

Ser. No. 280,627. WELTE-MIGNON CORPORATION, New York, N. Y. Filed Mar. 12, 1929.

MUSICALLE

For Machines or Mechanisms Which Substantially Form an Attachment to a Reproducing Piano, an Automatic Organ, or Other Appropriate Musical Instrument and is Designed to Contain a Series of Music Rolls or Other Appropriate Records and is Operable to Shift Said Rolls or Records, Selectively, into Operative Position with Respect to the Mechanism of the Musical Instrument and to Start and Stop the Playing Operation.
Claims use since Oct. 27, 1928.

Ser. No. 282,359. CHARLES S. KNIGHT, doing business as Radonic Radian Symphony Co., Oakland, Calif. Filed Apr. 13, 1929.



No claim is made herein to the representation of pianos or to the wording apart from the mark as shown in the drawing except the combined words "Radonic Radian Symphony."

For Pianos.
Claims use since Jan. 10, 1926.

Ser. No. 286,495. ARTHUR B. MILLER, Seattle, Wash. Filed July 2, 1929.

CARDINAL

For Accordions, Chromatic Accordions "German Style" Accordions, Accordion Stands, Cornets, Clarinets, Trumpets, Flutes, Banjos, Piccolos, Mandolins, Bassoons, Guitars, Oboes, Ukuleles, Violins, Cellos, Bases, Organs, Saxophones, and Drums.

Claims use since July 1, 1928.

CLASS 37

Paper and Stationery

Ser. No. 255,590. BROWN COMPANY, Portland, Me., and Berlin, N. H. Filed Oct. 4, 1927.

NIBROC DURACEL

For Paper Suitable for Use in the Manufacture of Sandpaper or Tags.
Claims use since on or about Sept. 20, 1927.

Ser. No. 256,241. BROWN COMPANY, Portland, Me., and Berlin, N. H. Filed Oct. 18, 1927.



For Paper Suitable for Use in the Manufacture of Sandpaper or Tags.
Claims use since on or about Sept. 23, 1927.

Ser. No. 262,222. HOTEL CREDIT LETTER COMPANY, New York, N. Y. Filed Feb. 25, 1928.



For Bulletins Published Weekly and at Other Intervals.
Claims use since Jan. 1, 1928.

Ser. No. 281,076. CONTINENTAL CARBON CORPORATION, Chicago, Ill. Filed Mar. 21, 1929.



For a Typewriter Accessory Comprising a Backing Sheet and a Series of Fasteners for Holding a Plurality of Carbon Sheets at One Edge to Permit Ready Insertion of Impression Sheets in Relation Thereto.
Claims use since Jan. 1, 1929.

Ser. No. 289,819. THE CREDIT CLEARING HOUSE ADJUSTMENT CORPORATION, New York, N. Y. Filed Sept. 16, 1929.



For Partially-Printed Forms Sold to the Trade as Such.
Claims use since Sept. 9, 1929.

Ser. No. 290,094. JOHN A. SLAUGHTER, doing business as The Doctors Business Bureau, San Francisco, Calif. Filed Sept. 21, 1929.



For Books of Printed Forms to be Used by Doctors for the Keeping and Collection of Accounts.
Claims use since Dec. 1, 1924.

Ser. No. 290,319. MEMO PUBLISHING COMPANY, Fort Wayne, Ind. Filed Sept. 27, 1929.

SCHOOLOG

For Memorandum Books.
Claims use since July 22, 1929.

CLASS 38

Prints and Publications

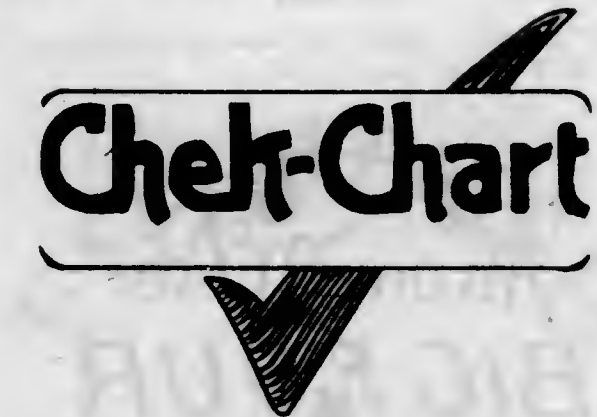
Ser. No. 280,534. ERIE RAILROAD COMPANY, New York, N. Y. Filed Mar. 16, 1929.



No claim is made for the words appearing on the drawing except in the arrangement and association shown (herewith).

For Booklets, Circulars, Pamphlets.
Claims use since Jan. 1, 1927.

Ser. No. 287,321. THE BONNET-BROWN CORPORATION, Chicago, Ill. Filed July 10, 1929.



For Charts Concerning the Lubrication of Automobiles, Issued Quarterly.
Claims use since May 29, 1929.

Ser. No. 289,573. WILLIAM J. CARSON, Sacramento, Calif. Filed Sept. 10, 1929.

Begin-Day

For Completely-Printed Calendars in Chart Form.
Claims use since July 27, 1929.

Ser. No. 289,870. BILLARDS MAGAZINE, INC., Chicago, Ill. Filed Sept. 17, 1929.

Billiards Magazine

The drawings are lined to indicate the color green.
For Monthly Publication.
Claims use since April, 1913.

Ser. No. 290,259. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Sept. 26, 1929.

Mortimer

For Newspaper Cartoons.
Claims use since June 30, 1929.

Ser. No. 290,270. AMOS PARRISH & Co., New York, N. Y. Filed Sept. 26, 1929.

What's in Fashion?

For Fashion Fact Feature Articles Published from Time to Time.
Claims use since Aug. 5, 1929.

CLASS 39

Clothing

Ser. No. 248,705. MELVILLE SHOE CORPORATION, New York, N. Y. Filed May 9, 1927.



For Hosiery.
Claims use since Mar. 15, 1927.

Ser. No. 268,768. A. J. ARMSTRONG CO. INC., New York, N. Y. Filed June 28, 1928.

Rosemary

For Ladies', Misses', and Children's Knit Underwear.
Claims use since Mar. 9, 1922.

Ser. No. 274,673. RAMONA MILLINERY CO. INC., Los Angeles, Calif. Filed Nov. 1, 1928.



For Ladies' and Misses' Hats.
Claims use since September, 1926.

Ser. No. 280,482. J. BLOOMFIELD CO. INC., New York, N. Y. Filed Mar. 8, 1929.



The word "Kent" is disclaimed apart from the mark as shown on the drawing.
For Ladies' Hats.
Claims use since Sept. 1, 1928.

Ser. No. 282,323. A. STEIN & COMPANY, Chicago, Ill. Filed Apr. 12, 1929.

HICKORY

For Bathing Caps, Bandeaux, and Brassières.
Claims use since about Dec. 1, 1928, on bathing caps, and about Feb. 1, 1929, on bandeaux and brassières.

Ser. No. 282,441. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 15, 1929.

"Co-ed"

For Corsets.
Claims use since Jan. 27, 1927.

Ser. No. 283,865. HOME TRADE SHOE STORE, INC., Minneapolis, Minn. Filed May 11, 1929.



For Shoes Made of Leather.
Claims use since Oct. 29, 1928.

Ser. No. 283,868. HOME TRADE SHOE STORE, INC., Minneapolis, Minn. Filed May 11, 1929.

Home Trade

For Boots and Shoes Made of Leather, Fabric, and Rubber, and a Combination of Such Materials.
Claims use since Oct. 13, 1894.

Ser. No. 285,798. VAN RAALTE COMPANY, New York, N. Y. Filed June 19, 1929.

Meshettes

For Underwear of Knitted Fabric for Women and Children.
Claims use since June 10, 1929.

Ser. No. 286,859. BROWN DURRELL CO., Boston, Mass., and New York, N. Y. Filed July 10, 1929.

Gordon V. LEE
SPLENDIDE

No registration rights are claimed for the word "Splendide."
For Hosiery.
Claims use since June 22, 1929.

Ser. No. 287,340. ESSEX RUBBER COMPANY INC., Trenton, N. J. Filed July 19, 1929.

TROPHY
TREAD

For Rubber and Composition Soles and Heels for Boots and Shoes.
Claims use since June 25, 1929.

Ser. No. 287,978. MAURICE L. ROTHSCHILD, INCORPORATED, Chicago, Ill. Filed Aug. 1, 1929.

FULWASH

For Men's Shirts Other Than Work Shirts and Knitted and Textile Underwear.
Claims use since July 12, 1929.

Ser. No. 288,265. WOODBURY SHOE MFG. CO., Derry, N. H. Filed Aug. 7, 1929.

U.K.-TAN

Applicant disclaims the exclusive right to the word "Tan" except in the combination shown.
For Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, Canvas, or Textile Material; Leather Soles, Taps, Tap Soles, and Half Soles.
Claims use since May 17, 1929.

Ser. No. 288,588. DAVID & BLUM, INC., New York, N. Y. Filed Aug. 16, 1929.



Applicant makes no claim to the words "Gant Lavable" apart from the mark shown in the accompanying drawing. Applicant makes no claim to the right to the exclusive use of the expression "Made in France." Applicant's gloves are made in France.
For Leather Gloves.
Claims use since Aug. 1, 1929.

Ser. No. 288,593. KNIGHT SLIPPER MANUFACTURING CORP., Brooklyn, N. Y. Filed Aug. 16, 1929.



No claim being made to the word "Slipper" apart from the mark shown in the drawing.

For Men's, Women's, and Children's Slippers Made Wholly of Textile Fabrics, Made Wholly of Leather, and Others Made of a Combination of Textile Fabric and Leather.

Claims use since Feb. 16, 1926.

Ser. No. 288,812. THE MENIHAN COMPANY, Rochester, N. Y. Filed Aug. 21, 1929.

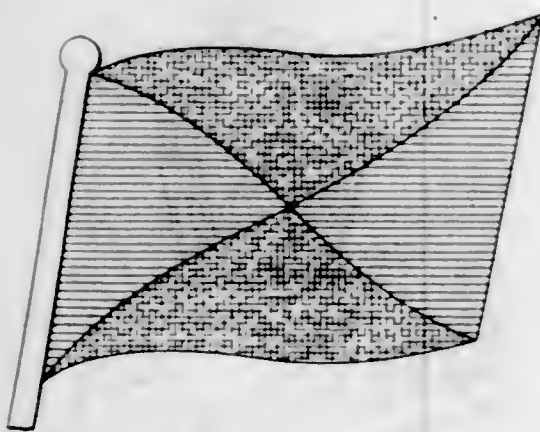


The word "Shoe" appearing in the drawing is disclaimed per se.

For Women's Shoes of Leather or Fabric.

Claims use since Aug. 8, 1929.

Ser. No. 289,624. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 11, 1929.



The line shading in the drawing indicates the colors blue and gold.

For Soles and Heels for Boots and Shoes Composed Wholly or in Part of Rubber.

Claims use since July 27, 1929.

Ser. No. 289,682. M. KUTZ COMPANY, Atlanta, Ga. Filed Sept. 12, 1929.



For Ladies', Misses', and Children's Hats.

Claims use since June 1, 1929.

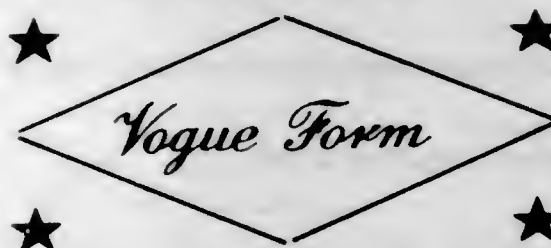
Ser. No. 289,705. ARDEN BOX TOE COMPANY, Watertown, Mass. Filed Sept. 13, 1929.

DALO

For Box Toes for Boots and Shoes.

Claims use since Apr. 21, 1927.

Ser. No. 289,806. VOGUE BRASSIERE MFG. CO., Newark, N. J. Filed Sept. 14, 1929.

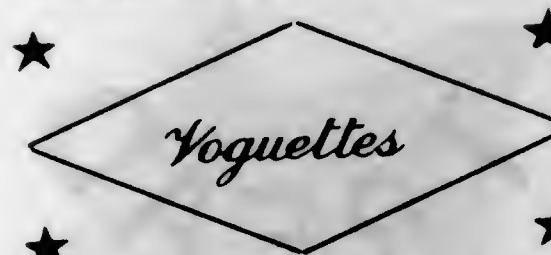


No claim is made to the words "Vogue Form," apart from the mark shown.

For Corsets, Brassières, Girdles, Foundations—Namely, Corset and Brassière Combinations; Garter Belts; Bandeaux; and Combinations—Namely, Girdle and Brassière Combinations.

Claims use since July 22, 1922.

Ser. No. 289,807. VOGUE BRASSIERE MFG. CO., Newark, N. J. Filed Sept. 14, 1929.



For Corsets, Brassières, Girdles, Foundations—Namely, Corset and Brassière Combinations; Garter Belts; Bandeaux; and Combinations—Namely, Girdle and Brassière Combinations.

Claims use since July 22, 1922.

Ser. No. 289,808. VOGUE BRASSIERE MFG. CO., Newark, N. J. Filed Sept. 14, 1929.



For Corsets, Brassières, Girdles, Foundations—Namely, Corset and Brassière Combinations; Garter Belts; Bandeaux; and Combinations—Namely, Girdle and Brassière Combinations.

Claims use since July 22, 1922.

Ser. No. 289,846. ERNEST SIMONS MANUFACTURING COMPANY, Port Chester, N. Y. Filed Sept. 16, 1929.

PLIABELT

For Pajamas and Pajama Belts.

Claims use since Aug. 14, 1929.

Ser. No. 289,975. KORACH BROTHERS, Chicago, Ill. Filed Sept. 19, 1929.



The word "Frocks" is disclaimed apart from the mark as shown in the drawing.

For Women's, Misses', and Children's Dresses.

Claims use since Sept. 6, 1929.

Ser. No. 290,001. GEORGE LOUIS DE WESE, Evansville, Ind. Filed Sept. 19, 1929.



For Neckties.

Claims use since Sept. 7, 1929.

Ser. No. 290,228. UNITED DRUG COMPANY, Boston, Mass. Filed Sept. 25, 1929.

Lady Fair

For Rubber Gloves for Household Use.

Claims use since Aug. 28, 1929.

Ser. No. 290,514. J. B. HAT COMPANY, INC., New York, N. Y. Filed Oct. 2, 1929.



For Hats for Ladies and Misses.

Claims use since Sept. 18, 1929.

Ser. No. 290,701. HERBERT W. HANAN, doing business as Hanan & Son, Brooklyn, N. Y. Filed Oct. 5, 1929.

NAUTILUS

For Leather, Cloth, and Rubber Boots, Shoes, and Slippers.

Claims use since June, 1929.

Ser. No. 290,753. JOSEPH A. JONAS, doing business as J. A. Jonas Shoe Co., Haverhill, Mass., and Manchester, N. H. Filed Oct. 7, 1929.

ARCH - CONTENT

For Leather Shoes.

Claims use since Oct. 3, 1929.

Ser. No. 290,838. JOAL HATS, INC., Chicago, Ill. Filed Oct. 9, 1929.



No claim is made to the word "Hats."

For Ladies', Misses', and Children's Hats.

Claims use since Oct. 23, 1926.

Ser. No. 290,846. LUSTBERG, NAST & CO. INC., New York, N. Y. Filed Oct. 9, 1929.



For Trousers.
Claims use since May 1, 1923.

Ser. No. 290,858. PHIPPS HAT WORKS, New York, N. Y. Filed Oct. 9, 1929.

Patio

For Ladies', Misses', and Children's Hats.
Claims use since July 15, 1929.

Ser. No. 290,874. BEDFORD JOHNSON CO., INC., New York, N. Y. Filed Oct. 10, 1929.

TROUSAJUST

For Trousers.
Claims use since May 21, 1929.

Ser. No. 290,945. FOOT FORM SHOE SHOPS, INC., New York, N. Y. Filed Oct. 11, 1929.

INDIAN TRAIL
FOOTWEAR

No claim is made to the exclusive use of the word "Footwear" apart from the mark as shown in the drawing.
For Men's, Women's, and Children's Shoes, Boots, Slippers, Moccasins, Gym Shoes, Gaiters, and Pumps Made of Leather, Fabric, and Combinations of Leather and Fabric, and Rubbers.
Claims use since Oct. 30, 1926.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 280,102. BREMSHEY & Co., Obligs, Germany. Filed Mar. 1, 1929.

Midget

For Umbrella Frames and Umbrella Parts.
Claims use since Sept. 18, 1928.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 260,410. SCHINDEL-MCDANIELS CO., New York, N. Y. Filed Jan. 20, 1928.



The crosshatching on the drawing represents purple color and the dotted parts on the drawing represents gold.
For Bed Sheets, Pillowcases, and Cotton Fabrics.
Claims use since January, 1925.

Ser. No. 277,447. REVILLON FRÈRES, New York, N. Y. Filed Dec. 31, 1928. Under 10-year proviso.

Revillon Frères

For Cloth Automobile Robes.
Claims use since 1873.

Ser. No. 289,354. HOUSTON TEXTILE MILLS, Houston, Tex. Filed Sept. 5, 1929.

CHAMOTEX

For Wiper Cloths and Towels of Textile Fabrics Made Wholly of Cotton.
Claims use since Aug. 1, 1929.

Ser. No. 290,340. CHENEY BROTHERS, Hartford, Conn. Filed Sept. 28, 1929.

Print Staccato

No claim is made to the word "Print" apart from the mark as shown.
For Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece.
Claims use since Sept. 20, 1929.

Ser. No. 290,406. GRIFFON COMPANY, INC., New York, N. Y. Filed Sept. 30, 1929.

Lapkin

For Table Napkins and Table Linens.
Claims use since Sept. 18, 1929.

Ser. No. 291,172. PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Oct. 17, 1929.



**BUCKS HEAD
STANDARD**



No claim is made to the exclusive use of the word "Standard" apart from the mark as shown in the drawing.
For Cotton Piece Goods.
Claims use since 1884.

Ser. No. 291,385. N. FLUMBERMAN & Co., INC., New York, N. Y. Filed Oct. 22, 1929.

Her Ladyship

For Goods in the Piece of Silk, Rayon, Cotton, Wool, and Linen Woven, Netted, or Knitted and/or Combinations.
Claims use since June 24, 1929.

CLASS 43

Thread and Yarn

Ser. No. 290,557. DOLLFUS-MIEG & CIE, SOCIETE ANONYME, Mulhouse, France. Filed Oct. 3, 1929.

DMC

For Yarns, Twists, and Threads of Cotton, Silk, Linen, Wool, Jute, Ramie, Spun Floret Silk, Artificial Silk, and Other Textile Materials in Gold, Silver, Fine or Simili or Any Other Metals, Whatever Their Combination in These Various Products and Whatever Their Make-Up and Structure.
Claims use since about 1841.
388 O. G.—53

Ser. No. 290,558. DOLLFUS-MIEG & CIE, SOCIETE ANONYME, Mulhouse, France. Filed Oct. 3, 1929.



For Yarns, Twists, and Threads of Cotton, Silk, Linen, Wool, Jute, Ramie, Spun Floret Silk, Artificial Silk, and Other Textile Materials in Gold, Silver, Fine or Simili or Any Other Metals, Whatever Their Combination in These Various Products and Whatever Their Make-Up and Structure.
Claims use since about 1872.

Ser. No. 291,076. AMAZON COTTON MILLS, Thomasville, N. C. Filed Oct. 15, 1929.

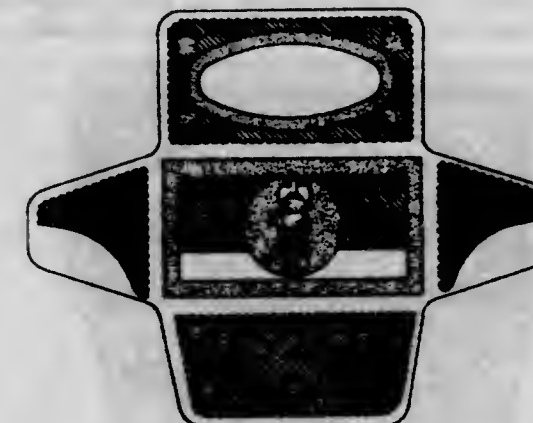
AMAFLEECE

For Cotton Yarns.
Claims use since June, 1927.

CLASS 44

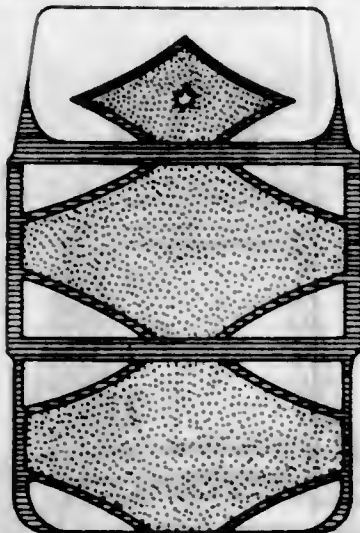
Dental, Medical, and Surgical Appliances

Ser. No. 278,060. ROTH-BÜCHNER AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed Jan. 16, 1929.



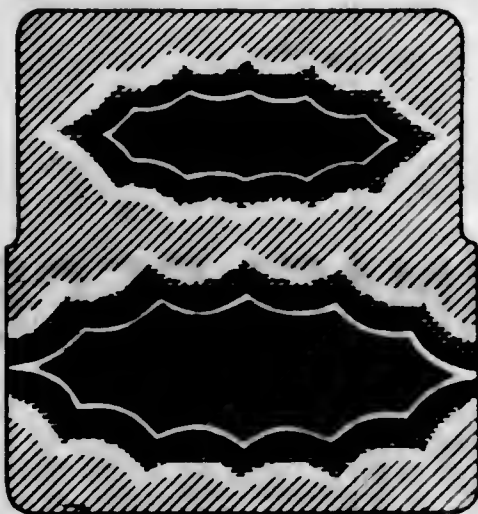
Registration of this trade-mark shall give no right to the exclusive use of the shape or outline of the folder or wrapper shown in the drawing. The lining appearing on the drawing is for shading purposes only.
For Corn Planes and Blades Therefor.
Claims use since Dec. 16, 1926.

Ser. No. 278,061. ROTH-BÜCHNER AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed Jan. 16, 1929.



The lining appearing on the drawing is for shading purposes only.
For Corn Planes and Blades Therefor.
Claims use since Dec. 16, 1926.

Ser. No. 278,062. ROTH-BÜCHNER AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed Jan. 16, 1929.



The lining appearing on the drawing is for shading purposes only.
For Corn Planes and Blades Therefor.
Claims use since Mar. 17, 1927.

Ser. No. 278,063. ROTH-BÜCHNER AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed Jan. 16, 1929.



The lining appearing on the drawing is for shading purposes only.
For Corn Planes and Blades Therefor.
Claims use since Mar. 17, 1927.

Ser. No. 288,505. SHINTARO MARSHIMA, doing business as The Oxyhealer Co., New York, N. Y. Filed Aug. 14, 1929.

OXYHEALER

For Scientific Therapeutic Instrument Used for Injecting Oxygen into the Body.
Claims use since about Jan. 1, 1911.

Ser. No. 288,576. DAVID C. STARNES, Bonham, Tex. Filed Aug. 15, 1929.



The figure constituting a part of the drawing is purely fanciful. All wording appearing in the drawing with the exception of the name "Starnes" is disclaimed apart from the other features there shown.
For Permanent-Wave Jackets.
Claims use since July 25, 1929.

Ser. No. 289,366. PULMOSAN SAFETY EQUIPMENT CORPORATION, Brooklyn, N. Y. Filed Sept. 5, 1929.



No claim is made herein to the registration of the representation of the respirator apart from the mark shown in the drawing.
For Respirators.
Claims use since August, 1925.

Ser. No. 290,393. ARLETTE, INC., Louisville, Ky. Filed Sept. 30, 1929.



The silhouette or portrait appearing on the drawing is fanciful.
For Hair-Waving Sachets.
Claims use since Nov. 1, 1928.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 283,116. THE GUSHER INC., Portland, Oreg. Filed Apr. 27, 1929.

ORANGE BLOSSOM

For Flavoring Powder for Use as an Ingredient of Soft Drinks.
Claims use since Apr. 1, 1929.

Ser. No. 288,269. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass. Filed Aug. 8, 1929.

SUNNY BOY

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups and Extracts Therefor.
Claims use since Aug. 1, 1928.

Ser. No. 289,331. R. W. ALLEN, INC., Sacramento, Calif., and Salt Lake City, Utah. Filed Sept. 5, 1929.



No claim is made to the words "Ice Cold Root Beer."
For Root Beer and Concentrates and Syrups for Making Root Beer.
Claims use since April, 1926.

Ser. No. 290,126. RICHARD J. HILL, doing business as Hill Beverage Co., Los Angeles, Calif. Filed Sept. 23, 1929.

TO-TO

For Nonintoxicating, Noncereal, Maltless Beverage.
Claims use since Sept. 1, 1929.

Ser. No. 290,222. NEMASKET SPRING WATER CO., Middleboro, Mass. Filed Sept. 25, 1929.



For Still and Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Spring Water.
Claims use since June 1, 1921.

Ser. No. 291,133. NATIONAL FRUIT FLAVOR CO., INC., New Orleans, La. Filed Oct. 16, 1929.



For Ginger Ale.
Claims use since August, 1929.

Ser. No. 291,316. BERT BECKER, doing business as Frespuro Artesian Water Co., Los Angeles, Calif. Filed Oct. 21, 1929.



For Artesian Water and Ginger Ale.
Claims use since July 2, 1929.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 277,673. KINGAN & CO., INCORPORATED, Indianapolis, Ind. Filed Jan. 7, 1929.



Applicant is the owner of registrations No. 13,454, No. 66,928, No. 115,766, and No. 188,041; No. 66,928 and No. 115,766 being under the 10-year proviso.

For Cheese, Eggs, Mincemeat, Smoked Meats, Beef Extract, Butter, Canned Meats, Beef, Pork, and Mutton, Lard Compound, Cooked Meats; Meats Packed in Glass Jars, Including Beef, Pork, and Mutton; Hams, Lard, Lard Oil, Oleomargarine, Pigs' Feet, Beef and Pork Sausage, Beef and Pork Tongues; Veal, Beef, and/or Meat Loaf; Dressed Poultry.

Claims use since August, 1914.

Ser. No. 280,277. RACSO BUTTER AND EGG CO. INC., Brooklyn, N. Y. Filed Mar. 5, 1929.



For Butter, Eggs, and Coffee.
Claims use since about October, 1928.

Ser. No. 282,799. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Apr. 22, 1929.

BAKERS' WEDNESDAY SPECIAL

The word "Bakers'" is disclaimed apart from the other features of the mark shown in the drawing. Applicant is the owner of registered Trade-Mark No. 196,186.

For Canned Fruit.

Claims use since Mar. 28, 1929.

Ser. No. 282,996. NU-KOFF-O CEREAL CO. INC., Pittsburgh, Pa. Filed Apr. 25, 1929.

NU-KOFF-O

For Coffee Substitute.

Claims use since Mar. 1, 1929.

Ser. No. 283,046. KRAFT-PHENIX CHEESE CORPORATION, Chicago, Ill. Filed Apr. 26, 1929.



No claim is made to the exclusive use of the words appearing on the label apart from the word "Philadelphia" and the mark comprising the diamond-shaped outline and the lettering encompassed thereby. "Philadelphia" used exclusively since Sept. 1, 1880.

For Cheese.

Claims use since Mar. 19, 1929.

Ser. No. 286,300. BLUE RIBBON DISTRIBUTING CORPORATION, New York, N. Y. Filed June 28, 1929.

BLUE RIBBON

For Bouillon Cubes.

Claims use since about Sept. 1, 1920.

Ser. No. 286,427. MITRY M. FAERAH, Worcester, Mass. Filed July 1, 1929.

LENDEEBAR

For Candy.

Claims use since June 7, 1929.

Ser. No. 286,567. HOLLY HILL FRUIT PRODUCTS, INC., Davenport, Fla. Filed July 3, 1929.

Bonny Hill

For Fresh Citrus Fruits.

Claims use since Oct. 1, 1928.

Ser. No. 286,568. HOLLY HILL FRUIT PRODUCTS, INC., Davenport, Fla. Filed July 3, 1929.

Golden Hill

For Fresh Citrus Fruits, Orange Marmalade, and Orange Juice for Food Purposes.

Claims use since Oct. 1, 1928.

Ser. No. 286,640. KEMP BROTHERS PACKING CO., Frankfort, Ind. Filed July 5, 1929.

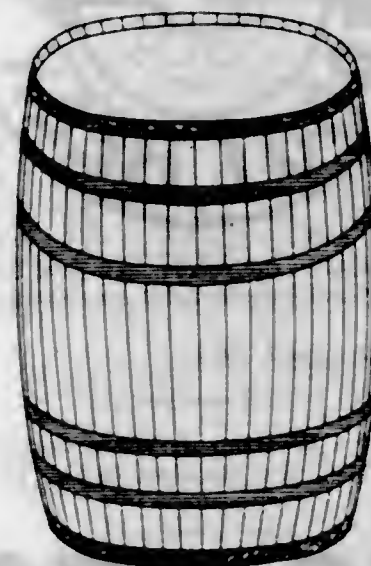
TOMATO CRUSH

The word "Tomato" is disclaimed apart from the mark as shown.

For Bottled and Canned Tomato Juice Used as a Food.

Claims use since June 24, 1929.

Ser. No. 287,062. GENERAL MILLS, INC., Minneapolis, Minn. Filed July 13, 1929.



The representation of a barrel as such is disclaimed, said orange and blue bands being preferably applied to the barrel hoops, the orange bands being applied to the end or chime hoops and the blue bands being applied to the intermediate hoops. Applicant is the owner of registration No. 230,051.

For Wheat Flour.

Claims use since Aug. 12, 1926.

Ser. No. 287,096. SIDNEY A. SEXTON, Exeter, Calif. Filed July 13, 1929.

PERKY PEGGY

For Fresh Grapes.

Claims use since Apr. 22, 1929.

Ser. No. 288,205. CHARLES E. ROBERTS, doing business as C. E. Roberts Co., Baltimore, Md. Filed Aug. 6, 1929.

OLD PAL



For Canned Fruits and Vegetables.

Claims use since Sept. 1, 1921.

Ser. No. 288,805. HAWAIIAN CANNERY COMPANY, LTD., Kapaa, Kauai, Territory of Hawaii. Filed Aug. 21, 1929.



The picture forming a part of the mark is fanciful. The outline of the label is disclaimed and no claim is made to the exclusive use of the representation of the goods, except as shown on the label.

For Canned Sliced and Crushed Pineapple and Pineapple Juice Used for Food-Flavoring Purposes.

Claims use since 1915.

Ser. No. 289,021. HORLICK'S, INC., Seattle, Wash. Filed Aug. 26, 1929.



DANISH

The word "Danish" is disclaimed apart from the mark shown.

For Ice Cream, Pastries, and Butter.

Claims use since Mar. 24, 1928.

Ser. No. 289,189. HOVER AND VELTMAN, Long Beach, Calif. Filed Aug. 30, 1929.



For Frozen Confection.

Claims use since July 6, 1929.

Ser. No. 289,512. FRESCA & ROBERTAZZI, New York, N. Y. Filed Sept. 9, 1929.



For Olive Oil.

Claims use since 1924.

Ser. No. 289,636. C. S. MARSTON, Jr., doing business as C. S. Marston, Jr. Co., Los Angeles, Calif. Filed Sept. 11, 1929.

DUTCH BOY

For Peanut Butter, Salted Nuts.

Claims use since Aug. 8, 1929.

Ser. No. 289,653. JOSEPH TETLEY & CO., INC., New York, N. Y. Filed Sept. 11, 1929.



No claim is made to "5¢" apart from the mark as shown. All other wording on the drawing, with the exception of the word "Tetley" and the corporate name of the applicant, "Joseph Tetley & Co. Inc.," is disclaimed, but applicant does not relinquish any of its common-law rights by this disclaimer. No claim is made to the illustration of a carton as such.

For Tea.

Claims use since about January, 1908.

Ser. No. 289,703. LIVE STOCK EXCHANGE, INC., Des Moines, Iowa. Filed Sept. 12, 1929.

YOUNG-STER RATION

Applicant disclaims the right to the exclusive use of the word "Ration" except in connection with the other features of the mark as shown.

For Stock Feeds.

Claims use since June 25, 1929.

Ser. No. 289,763. L. E. SILBERMAN, doing business as Colonial Products Co., Des Moines, Iowa. Filed Sept. 13, 1929.



All the words shown in the drawing except "Blue River" and "Colonial Products" are disclaimed apart from the mark as shown in the drawing. The drawing is lined to indicate the color blue.

For Malt Syrup.

Claims use since Aug. 24, 1929.

Ser. No. 289,838. PRODUCERS CREAMERY CO., Springfield, Mo. Filed Sept. 16, 1929.

Land O' Smiles

For Butter, Powdered Milk.

Claims use since Aug. 22, 1928.

Ser. No. 289,843. B. RODMAN, doing business as B. R. Malt Company, Lynn, Mass. Filed Sept. 16, 1929.



For Malt Syrup.

Claims use since Aug. 23, 1928.

Ser. No. 289,844. B. RODMAN, doing business as B. R. Malt Company, Lynn, Mass. Filed Sept. 16, 1929.

GYPSY QUEEN

For Malt Syrup.

Claims use since May 27, 1927.

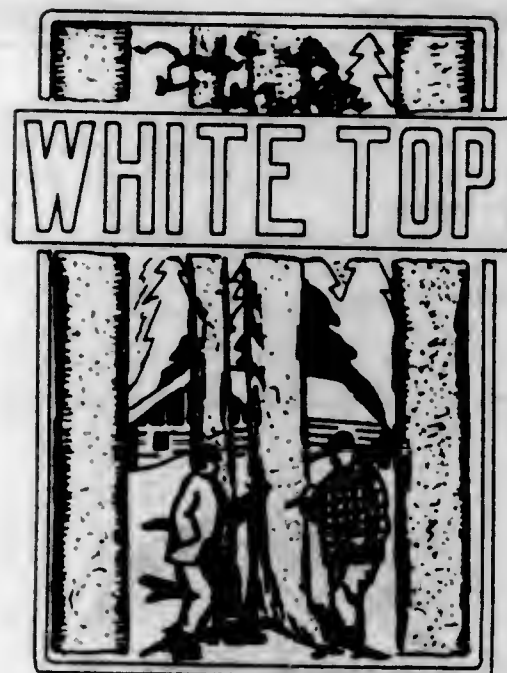
Ser. No. 289,957. J. ARON & COMPANY, INC., New York, N. Y. Filed Sept. 19, 1929.

JAC CAVALIER

For Green Coffee.

Claims use since Feb. 28, 1929.

Ser. No. 290,128. HYLTON FLOUR MILLS, INC., doing business as Phoenix Mill Company, Ogden, Utah. Filed Sept. 23, 1929.



For Self-Rising Flour.

Claims use since July 1, 1929.

Ser. No. 290,413. JOANNES CORPORATION, Los Angeles, Calif. Filed Sept. 30, 1929.

BEN-HUR

For Prepared Mustard.

Claims use since Aug. 31, 1920.

Ser. No. 290,446. J. E. ROISSIERE & CO., INC., New York, N. Y. Filed Oct. 1, 1929.



No claim is made to the representation of a label apart from the mark shown in the drawing.

For Cheese.

Claims use since June 25, 1929.

Ser. No. 290,452. JOHN CASTRO, Los Angeles, Calif. Filed Oct. 1, 1929.

ROMAN SPEAR

For Fresh Deciduous Fruits, Fresh Vegetables.

Claims use since Aug. 29, 1929.

Ser. No. 290,539. ALFRED BIRD & SONS, LIMITED, Birmingham, England. Filed Oct. 3, 1929.



The following color scheme is an essential feature of the trade-mark: The panel on which the cup is shown is dark blue with red border. In the checkered portion of the mark the spaces are alternately white and dark blue, each white space having a narrow red border. The left edge of the mark also shows a narrow red border. The body of the cup is yellow, the handle, rim and base being white. Applicant's signature is in blue on a white panel. The other panel superposed on the checker portion is also white. The name "Bird's" on the cup is also in blue letters.

For Dessert Powder.

Claims use since May, 1925.

Ser. No. 290,598. THE OUEBACKER COFFEE CO., INC., Louisville, Ky. Filed Oct. 3, 1929.

WHITE PLUME

For Coffee and Rice.

Claims use since Apr. 1, 1912.

Ser. No. 290,599. THE OUEBACKER COFFEE CO., INC., Louisville, Ky. Filed Oct. 3, 1929.

SHAWNEE

For Coffee and Rice.

Claims use since Feb. 3, 1906.

Ser. No. 290,710. LIFE SAVERS, INC., Port Chester, N. Y. Filed Oct. 5, 1929.

LAYF SEYVERS

The mark as shown on the drawing is the Turkish equivalent of the words "Life Savers."

For Candy.

Claims use since Feb. 28, 1913.

Ser. No. 290,807. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Filed Oct. 9, 1929.

Sunray

For Sugar.

Claims use since about Sept. 4, 1929.

Ser. No. 291,159. GRAIN BELT MILLS COMPANY, South
St. Joseph, Mo. Filed Oct. 17, 1929

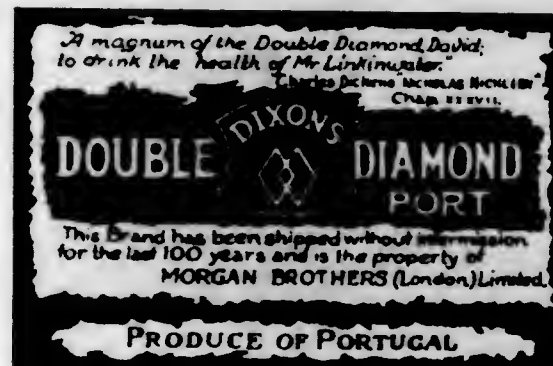


The exclusive right to the use of the word "Molasses" is disclaimed apart from the other features of the mark.
For Sheep Feed.
Claims use since Aug. 31, 1929.

CLASS 47

Wines

Ser. No. 277,840. MORGAN BROTHERS (LONDON) LIMITED,
London, England. Filed Jan. 11, 1929.



No claim is made herein broadly to the terms "Port," "This Brand Has Been Shipped Without Intermission for the Last 100 Years and is the Property of," and "Produce of Portugal," apart from the mark as illustrated on the drawing.
For Port Wine.
Claims use since February, 1901.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 26, 1929

- 264,305. BOARD GAME. PARKER BROTHERS INC., Portland, Me., and Salem, Mass.
Filed August 2, 1929. Serial No. 288,034. PUBLISHED SEPTEMBER 17, 1929. Class 22.
- 264,306. ABSORBENT COTTON. THE KENDALL COMPANY, Boston, Mass., and Chicago, Ill.
Filed August 3, 1929. Serial No. 288,075. PUBLISHED SEPTEMBER 17, 1929. Class 44.
- 264,307. WHEAT FLOUR. THE ROBINSON MILLING CO., Salina, Kans.
Filed July 31, 1929. Serial No. 287,044. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,308. CANNED CORNED BEEF AND CABBAGE. JIGGS SALES CORPORATION, Columbia City, Ind.
Filed May 14, 1929. Serial No. 283,980. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,309. ARBORS, BITS, CENTER REAMERS, ETC. WHITMAN & BARNES, INC., Detroit, Mich.
Filed May 27, 1929. Serial No. 284,710. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,310. GASOLINE, KEROSENE, AND LUBRICATING OIL. ARMOUR OIL COMPANY, Quincy, Ill.
Filed May 16, 1927. Serial No. 249,036. PUBLISHED SEPTEMBER 3, 1929. Class 15.
- 264,311. ELECTRICAL MACHINES, ELECTROTECHNICAL INSTRUMENTS AND APPLIANCES, ELECTRICAL SAFETY INSTALLATION, ETC. SIEMENS-SCHUCKERTWERKE AKTIENGESELLSCHAFT, Berlin-Siemensstadt, Germany.
Filed October 11, 1927. Serial No. 255,934. PUBLISHED SEPTEMBER 3, 1929. Class 21.
- 264,312. ELECTRICAL MACHINES, ELECTROTECHNICAL INSTRUMENTS AND APPLIANCES, CONDUCTORS, ETC. SIEMENS-SCHUCKERTWERKE AKTIENGESELLSCHAFT, Berlin-Siemensstadt, Germany.
Filed December 6, 1927. Serial No. 253,554. PUBLISHED SEPTEMBER 3, 1929. Class 21.
- 264,313. LAXATIVE. D. ARRIJA, Jr., Puebla, Mexico.
Filed January 21, 1928. Serial No. 260,421. PUBLISHED APRIL 30, 1929. Class 6.
- 264,314. ELECTRON RADIOTUBES AND PARTS THEREOF. ARCTURUS RADIO COMPANY, Newark, N. J., now by change of name to Arcturus Radio Tube Company.
Filed November 2, 1928. Serial No. 274,695. PUBLISHED SEPTEMBER 17, 1929. Class 21.
- 264,315. GREASES, OILS, AND COMPOUNDS USED FOR LUBRICATION PURPOSES. THE R. M. HOLLINGSHEAD CO., Camden, N. J.
Filed November 10, 1928. Serial No. 275,110. PUBLISHED MARCH 19, 1929. Class 15.
- 264,316. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS — NAMELY, SKIN CREAMS, EMBROCATIONS AND OILS FOR TREATING PAIN. PO-HO SANITÄTS-WERK HAMBURG OTTO JOH. JUL. WITT & SÖHNE, Hamburg, Germany.
Filed November 13, 1928. Serial No. 275,239. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,317. MASONRY DRILLS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed November 19, 1928. Serial No. 275,511. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,318. LIGHT-SENSITIVE PRINTING PAPERS, FABRICS, AND THE LIKE, USED IN MAKING REPRODUCTIONS BY PRINTING FROM NEGATIVES OR TRACINGS AND REPRODUCTIONS FORMED ON SUCH MATERIALS. EUGENE DIETZEN CO., Chicago, Ill.
Filed November 22, 1928. Serial No. 275,659. PUBLISHED SEPTEMBER 17, 1929. Class 26.
- 264,319. VEGETABLE COMPOUNDS USED TO FLAVOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. WILLIAM DAVIS, St. Louis, Mo.
Filed November 30, 1928. Serial No. 276,026. PUBLISHED SEPTEMBER 17, 1929. Class 45.
- 264,320. SANITARY BELTS AND SIMILAR GOODS. S. H. KRESS & CO., New York, N. Y.
Filed August 3, 1929. Serial No. 288,078. PUBLISHED SEPTEMBER 17, 1929. Class 44.
- 264,321. ELECTRIC IMMERSION HEATERS FOR HOT-WATER BOTTLES. THE NATIONAL ELECTRO HYDROTHERMAL CORPORATION, Cincinnati, Ohio.
Filed August 3, 1929. Serial No. 288,083. PUBLISHED SEPTEMBER 17, 1929. Class 44.
- 264,322. PIVOTED MIRRORS ADAPTED TO BE ATTACHED TO OR CARRIED IN A SMALL HAND BAG. MIREX MANUFACTURING CORPORATION, New York, N. Y.
Filed May 7, 1929. Serial No. 283,619. PUBLISHED SEPTEMBER 17, 1929. Class 32.
- 264,323. PERIODICAL ISSUED MONTHLY. NORTH SHORE PUBLISHING COMPANY, Evanston, Ill.
Filed May 15, 1929. Serial No. 284,040. PUBLISHED SEPTEMBER 17, 1929. Class 38.
- 264,324. AUTO TOP POLISH OR DRESSING. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed May 27, 1929. Serial No. 284,672. PUBLISHED SEPTEMBER 10, 1929. Class 4.
- 264,325. SOAP. P. BEIERSDORF & CO. INC., New York, N. Y.
Filed May 28, 1929. Serial No. 284,718. PUBLISHED SEPTEMBER 10, 1929. Class 4.
- 264,326. SOAP, SOAP POWDERS, AND WASHING POWDERS. IOWA SOAP COMPANY, Burlington, Iowa.
Filed June 3, 1929. Serial No. 284,944. PUBLISHED SEPTEMBER 10, 1929. Class 4.
- 264,327. TAP-SUPPORTING DEVICES AND TAPPING ATTACHMENTS AND PARTS THEREOF FOR WOOD AND METAL WORKING. EASTERN TOOL AND TOOL CO. INC., Brooklyn, N. Y.
Filed May 28, 1929. Serial No. 284,723. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,328. GINGER ALE AND NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. FALLS CITY ICE & BEVERAGE COMPANY, Louisville, Ky.
Filed June 1, 1929. Serial No. 284,905. PUBLISHED SEPTEMBER 17, 1929. Class 45.
- 264,329. DEODORIZING, DISINFECTING, CLEANING, AND CHEMICAL COMPOUND ADAPTED TO PROVIDE A SUDLESS CLEANER IN WATER CLEANING AND ADAPTED AS A DRY CLEANER FOR SCOURING. MILLBURN CHEMICAL CO. INC., Millburn, N. J.
Filed February 8, 1929. Serial No. 279,055. PUBLISHED SEPTEMBER 17, 1929. Class 4.

- 264,330. SOAP, INCLUDING TOILET AND TOOTH SOAPS, AND WASHING POWDER. GEORG SCHICHT A. G., Aussig, Czechoslovakia. Filed February 15, 1929. Serial No. 279,387. PUBLISHED SEPTEMBER 3, 1929. Class 4.
- 264,331. SOAP AND WASHING POWDER. GEORG SCHICHT A. G., Aussig, Czechoslovakia. Filed February 15, 1929. Serial No. 279,392. PUBLISHED SEPTEMBER 3, 1929. Class 4.
- 264,332. ABRASIVES AND ABRASIVE POWDER USED FOR ABRADING, POLISHING, AND LAPPING PURPOSES. THE PIKE MANUFACTURING COMPANY, Pike, N. H., now by change of name Pike Manufacturing Company. Filed February 23, 1929. Serial No. 279,811. PUBLISHED SEPTEMBER 10, 1929. Class 4.
- 264,333. A MAGAZINE AND HOUSE ORGAN. LOCKWOOD GREENE ENGINEERS INC., Boston, Mass. Filed March 23, 1929. Serial No. 281,218. PUBLISHED SEPTEMBER 3, 1929. Class 38.
- 264,334. GOLD, SILVER, BRASS, PEWTER, AND ALUMINUM POLISHES AND WHITE-WOODWORK CLEANER. OMI PRODUCTS INC., Brooklyn, N. Y. Filed April 29, 1929. Serial No. 283,211. PUBLISHED SEPTEMBER 3, 1929. Class 4.
- 264,335. NONALCOHOLIC, NONCEREAL, AND MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME. NATIONAL GREY FRUIT COMPANY, Oaklawn, Ill. Filed April 10, 1929. Serial No. 282,193. PUBLISHED SEPTEMBER 17, 1929. Class 45.
- 264,336. COFFEE. THE FRED W. ALBRECHT GROCERY COMPANY, doing business as Albrechts, Akron, Ohio. Filed April 18, 1929. Serial No. 282,591. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,337. DREDGING PUMPS AND DREDGING MACHINERY COMPRISING HYDRAULIC DREDGES, ELEVATOR-TYPE SAND AND GRAVEL DREDGES, GRAPPLE DREDGES, DIPPER DREDGES, DREDGING PUMPS, AGITATING LADDERS FOR DREDGES, HAULING AND HOISTING MACHINERY FOR DREDGES, RELAY PUMPS FOR DREDGES, AND PUMPING MACHINERY FOR DREDGES. ELLICOTT MACHINE CORPORATION, Baltimore, Md. Filed April 27, 1929. Serial No. 283,103. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,338. DATES, MARMALADES OF DATES, GELATINE OF DATES, PULP OF DATES, JELLY OF DATES, NOUGAT OF DATES, PRESERVED FRUITS OF DATES, CONFITURES OR SWEETMEATS OF DATES, CANNED FRUITS, AND VEGETABLES. BERNARD BOSCA BELDA, Alicante, Spain. Filed May 6, 1929. Serial No. 283,547. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,339. ADHESIVES CONTAINING RUBBER OR RUBBER COMPOSITION DISPERSED IN AN AQUEOUS MEDIUM. THE NAUGATUCK CHEMICAL COMPANY, New York, N. Y. Filed June 26, 1929. Serial No. 286,189. PUBLISHED SEPTEMBER 10, 1929. Class 5.
- 264,340. LUNCHEON SANDWICHES, PARTICULARLY HAMBURGER SANDWICHES. CHARLES M. CLARK, Los Angeles, Calif. Filed July 1, 1929. Serial No. 286,420. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,341. A FOOD FOR POULTRY AND LIVESTOCK. UNIVERSAL MILLS, Fort Worth, Tex. Filed July 2, 1929. Serial No. 286,523. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,342. GASKET CEMENT. THE PEP BOTS—MANNY, MOE & JACK, doing business as Varsity Products Co., Philadelphia, Pa. Filed July 6, 1929. Serial No. 286,711. PUBLISHED SEPTEMBER 17, 1929. Class 5.

- 264,343. PEG AND BLOCK TOY. WILLIAM H. KING, Weed, Calif. Filed July 10, 1929. Serial No. 286,884. PUBLISHED SEPTEMBER 17, 1929. Class 22.
- 264,344. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill. Filed February 3, 1928. Serial No. 261,124. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,345. PURSES. MARY K. GORDON, New York, N. Y. Filed June 25, 1929. Serial No. 286,116. PUBLISHED SEPTEMBER 3, 1929. Class 3.
- 264,346. PREPARATION FOR TREATING COLDS AND COUGHS. SUSANNA PIERSON, doing business as Mrs. J. S. Pierson, Oilton, Okla. Filed August 8, 1929. Serial No. 288,308. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,347. THROAT PASTILS. MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn. Filed August 9, 1929. Serial No. 288,345. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,348. SALVE FOR TREATMENT OF SKIN DISEASES. WILLIAM MONTGOMERY, Detroit, Mich. For August 10, 1929. Serial No. 288,389. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,349. HAIR NETS. NATIONAL GARY CORPORATION, New York, N. Y. Filed August 14, 1929. Serial No. 288,507. PUBLISHED SEPTEMBER 17, 1929. Class 42.
- 264,350. HAIR NETS. NATIONAL GARY CORPORATION, New York, N. Y. Filed August 14, 1929. Serial No. 288,511. PUBLISHED SEPTEMBER 17, 1929. Class 42.
- 264,351. A MEDICINAL PREPARATION USEFUL IN THE RELIEF OF THOSE SUFFERING FROM BRONCHIAL AND PULMONARY DISEASES. CHARLES DIMINO, doing business as C. Dimino Co., East Rochester, N. Y. Filed July 22, 1929. Serial No. 287,456. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,352. A MOTH-PROOFING AND REPELLANT CHEMICAL. NATIONAL MOTH-PROOFING SERVICE, Chicago, Ill. Filed July 26, 1929. Serial No. 287,712. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,353. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF PYORRHEA, SORE GUMS, AND MOUTH ULCERS. PETER JOSEPH GILLEN, doing business as The Gillen Pharmacal Co., Clinton, Ill. Filed July 27, 1929. Serial No. 287,752. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,354. PREPARATION FOR THE TREATMENT OF PYORRHEA AND VINCENT'S ANGINA. PETER JOSEPH GILLEN, doing business as The Gillen Pharmacal Co., Clinton, Ill. Filed July 27, 1929. Serial No. 287,753. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,355. HOSIERY. DUNN & MCCARTHY INC., Auburn, N. Y. Filed July 12, 1929. Serial No. 287,033. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,356. ANTISEPTIC WAFERS USED AS AN ANTISEPTIC, GERMICIDE, DISINFECTANT, RESOLVENT, DEODORANT, DETERGENT, STIMULANT, ASTRINGENT, AND ALTERNATIVE FOR THE TREATMENT OF DISEASES IN WOMEN. CHARLES D. SCOTT, doing business as Formozome Chemical Co., Trenton, N. J. Filed July 30, 1929. Serial No. 287,890. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,357. SILKS IN THE PIECE. DUPLEX SILK MILLS, INC., New York, N. Y. Filed August 5, 1929. Serial No. 288,111. PUBLISHED SEPTEMBER 10, 1929. Class 42.

- 264,358. MEDICINAL PREPARATION FOR A STARCH DIGESTANT WHICH LIQUEFIES THREE HUNDRED TIMES ITS WEIGHT OF POTATO STARCH IN TEN MINUTES AND WHICH LIQUEFIES EIGHT HUNDRED TIMES ITS WEIGHT OF POTATO STARCH IN THIRTY MINUTES. HEALTH LABORATORIES, INC., doing business as Health Laboratories, Inc., Pittsburgh, Pa. Filed August 7, 1929. Serial No. 288,235. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,359. ANTISEPTIC NASAL INJECTIONS FOR THE TREATMENT OF THE RESPIRATORY PASSAGES. ALBERT LANDRIN, Paris, France. Filed August 7, 1929. Serial No. 288,241. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,360. ANTISEPTIC NASAL INJECTION FOR THE TREATMENT OF THE RESPIRATORY PASSAGES. ALBERT LANDRIN, Paris, France. Filed August 7, 1929. Serial No. 288,242. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,361. DRY MIXTURE OF CHEMICAL COMPOUNDS FOR USE IN THE RE-REFINING OR RECLAIMING OF SPENT LUBRICATING OIL. RE-REFINING PRODUCTS CORPORATION, Washington, D. C. Filed August 7, 1929. Serial No. 288,247. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,362. LIQUID PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, BRONCHITIS, SORE THROAT, AND WHOOPING COUGH. F. A. WALLACE, Hollidays Cove, W. Va. Filed August 7, 1929. Serial No. 288,258. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,363. CALCIUM CARBONATE. THE ARABOL MANUFACTURING COMPANY, New York, N. Y. Filed Aug. 8, 1929. Serial No. 288,268. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,364. AN ANTISEPTIC, DEODORANT, AND PROPHYLACTIC LIQUID PREPARATION FOR EXTERNAL USE. HENRY V. HALEY, doing business as Haley Laboratories, Chicago, Ill. Filed July 27, 1929. Serial No. 287,755. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,365. AN ANTISEPTIC, PROPHYLACTIC, DEODORANT, AND DISINFECTANT LIQUID PREPARATION FOR EXTERNAL USE. HENRY V. HALEY, doing business as Everywoman's Laboratories, Chicago, Ill. Filed July 27, 1929. Serial No. 287,756. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,366. A DRESSING FOR OPEN WOUNDS AND LINIMENT FOR RELIEF OF PAIN. C. A. MOSSO LABORATORIES, Chicago, Ill. Filed July 29, 1929. Serial No. 287,833. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,367. MACHINES FOR PREPARING COFFEE, PARTS THEREOF, AND ACCESSORIES THEREFOR. COFFEE GRINDERS, WHIPS FOR BARS AND OTHER USES. VED. ORBERTINO & FIGLIE, Turin, Italy. Filed April 16, 1928. Serial No. 264,901. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,368. A TOILET AND BATH SOAP. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed April 26, 1928. Serial No. 265,448. PUBLISHED SEPTEMBER 10, 1929. Class 4.
- 264,369. LADIES' AND MISSES' HATS. P. H. LUTHER, Los Angeles, Calif. Filed May 28, 1928. Serial No. 267,185. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,370. RADIO RECEIVING SETS. BUSH & LANE PIANO COMPANY, Holland, Mich. Filed May 31, 1928. Serial No. 267,236. PUBLISHED SEPTEMBER 3, 1929. Class 21.
- 264,371. LUBRICATING OILS, WAXES, AND GREASES. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed June 26, 1928. Serial No. 268,718. PUBLISHED SEPTEMBER 18, 1928. Class 15.
- 264,372. WOMEN'S, CHILDREN'S, AND MISSES' HATS. OGUS, RABINOVICH & OGUS, INC., New York, N. Y. Filed July 14, 1928. Serial No. 269,601. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,373. TALKING MACHINES AND TALKING MACHINES ADAPTED FOR COMBINATION WITH RADIO RECEIVING SETS. STERLING PIANO CORPORATION, Brooklyn, N. Y., now by change of name Sterling, Inc. Filed July 14, 1928. Serial No. 269,612. PUBLISHED SEPTEMBER 3, 1929. Class 36.
- 264,374. CLEANING PREPARATION. FITZPATRICK BROS., Chicago, Ill. Filed July 23, 1928. Serial No. 270,020. PUBLISHED SEPTEMBER 3, 1929. Class 4.
- 264,375. PUBLICATIONS—NAMELY, CATALOGUES ISSUED PERIODICALLY. MOORE & EVANS, Chicago, Ill. Filed April 2, 1928. Serial No. 264,178. PUBLISHED SEPTEMBER 10, 1929. Class 38.
- 264,376. CHEMICAL PRODUCTS. PO-HO SANITÄTSWERK HAMBURG OTTO JOH. JUL. WITT & SÖHNE, Hamburg, Germany. Filed March 16, 1928. Serial No. 263,281. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,377. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill. Filed February 7, 1928. Serial No. 261,326. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,378. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill. Filed February 3, 1928. Serial No. 261,125. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,379. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill. Filed February 3, 1928. Serial No. 261,126. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,380. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill. Filed February 3, 1928. Serial No. 261,130. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,381. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill. Filed February 3, 1928. Serial No. 261,131. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,382. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill. Filed February 3, 1928. Serial No. 261,132. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,383. FOOTHOLDS MADE OF RUBBER OR RUBBER AND FABRIC. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed July 27, 1928. Serial No. 270,268. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,384. EMPTY GLASS BOTTLES. F. E. REED GLASS CO., Rochester, N. Y. Filed August 8, 1928. Serial No. 270,781. PUBLISHED SEPTEMBER 17, 1929. Class 33.
- 264,385. DEODORANTS. MAX SHULMAN, doing business as Shulman Chemical Company, Philadelphia, Pa. Filed August 9, 1928. Serial No. 270,805. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,386. BOOTS AND SHOES CONSTRUCTED OF RUBBER, LEATHER, OR FABRIC OR COMBINATIONS OF THESE MATERIALS. SAMUEL J. FARRER, Jamaica Plain, Mass. Filed April 13, 1929. Serial No. 282,347. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,387. TABLE SYRUP, FRUIT PRESERVES, JELLIES, MINCEMEAT, HONEY, GARNISHING CHERRIES AND GRAPES, SPICED AND SWEET PICKLED FRUITS AND MELONS, CANNED FRUITS AND VEGETABLES. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Filed August 11, 1928. Serial No. 270,895. PUBLISHED NOVEMBER 27, 1928. Class 46.

- 264,388. PREPARATIONS AND COMPOUNDS. DR. HILLERS AKT.-GES. NAHR- & HEILMITTELWERK, Graf-rath, Kreis Solingen, Germany.
Filed August 28, 1928. Serial No. 271,652. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,389. PREPARATIONS AND COMPOUNDS. DR. HILLERS AKT.-GES. NAHR- & HEILMITTELWERK, Graf-rath, Kreis Solingen, Germany.
Filed August 28, 1928. Serial No. 271,653. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,390. TEXTILE FABRICS HAVING THE CHARACTERISTICS OF ARTIFICIAL SILK. A. THEO. ABOTT & Co., Philadelphia, Pa.
Filed August 30, 1928. Serial No. 271,731. PUBLISHED SEPTEMBER 17, 1929. Class 42.
- 264,391. GENERAL HOUSEHOLD CLEANING AND POLISHING PREPARATION IN POWDER FORM. THE DRACKETT CHEMICAL COMPANY, Cincinnati, Ohio.
Filed October 1, 1928. Serial No. 273,189. PUBLISHED SEPTEMBER 3, 1929. Class 4.
- 264,392. CANNED VEGETABLES, PORK AND BEANS WITH TOMATO SAUCE, AND BAKED BEANS WITH TOMATO SAUCE. THE SEARS & NICHOLS CORPORATION, doing business as The Sears & Nichols Canning Co., Chillicothe, Ohio.
Filed October 2, 1928. Serial No. 273,257. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,393. CERTAIN NAMED DENTAL PRODUCTS. HENRY P. BOOS, Minneapolis, Minn.
Filed August 7, 1929. Serial No. 288,219. PUBLISHED SEPTEMBER 17, 1929. Class 44.
- 264,394. BILLIARD CUSHIONS. STOWE & WOODWARD COMPANY, Newton Upper Falls, Mass.
Filed August 8, 1929. Serial No. 288,289. PUBLISHED SEPTEMBER 17, 1929. Class 22.
- 264,395. CAKES. DOUGHERTY CAKE PRODUCTS, INC., Muncie, Ind.
Filed July 12, 1929. Serial No. 286,983. PUBLISHED SEPTEMBER 3, 1929. Class 46.
- 264,396. BUTTER, CHEESE, AND EGGS. L. DAITCH & Co. Inc., New York, N. Y.
Filed July 15, 1929. Serial No. 287,121. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,397. STOCK FEED. HUBBARD MILLING COMPANY, Mankato, Minn.
Filed July 15, 1929. Serial No. 287,141. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,398. GAME BALL, PARTICULARLY INFLATED SPHERICAL BALLS. CLARENCE W. BEEMAN, Highland Park, Mich.
Filed July 19, 1929. Serial No. 287,327. PUBLISHED SEPTEMBER 17, 1929. Class 22.
- 264,399. BUTTER, MILK, AND CHEESE. BLUE VALLEY CREAMERY COMPANY, Chicago, Ill.
Filed July 27, 1929. Serial No. 287,735. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,400. CHEESE. DAVIS CHEESE COMPANY, Plymouth, Wis.
Filed July 29, 1929. Serial No. 287,794. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,401. MESH BAGS AND PURSES AND THE CONSTITUENT PARTS OF THE SAME. SAHATIEL G. MANDALIAN, doing business as Mandalian Manufacturing Company, North Attleboro, Mass.
Filed July 30, 1929. Serial No. 287,882. PUBLISHED SEPTEMBER 10, 1929. Class 3.
- 264,402. A HOUSE PUBLICATION. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed May 3, 1929. Serial No. 283,463. PUBLISHED SEPTEMBER 3, 1929. Class 38.
- 264,403. SILVER FLATWARE. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y.
Filed March 28, 1929. Serial No. 281,518. PUBLISHED SEPTEMBER 3, 1929. Class 28.

- 264,404. RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, ETC. H. G. ZIMMERMAN COMPANY, Chicago, Ill.
Filed March 27, 1929. Serial No. 281,469. PUBLISHED AUGUST 27, 1929. Class 21.
- 264,405. PHONOGRAPHS, SOUND BOXES, TONE ARMS, HORNS, TURNTABLES, NEEDLES, NEEDLE CONTAINERS, AND RECORDS. DULCETTO-POLYPHON, LIMITED, London, England.
Filed March 27, 1929. Serial No. 281,414. PUBLISHED SEPTEMBER 3, 1929. Class 36.
- 264,406. BURGLAR ALARMS AND BURGLAR-ALARM EQUIPMENT CONSISTING OF BURGLAR-ALARM-CONTROL CABINETS, BELLS, BELL HOUSINGS, AND ENTRANCE-DOOR SWITCH LOCKS. SIGNAL PROTECTIVE SERVICE COMPANY, St. Louis, Mo.
Filed February 28, 1929. Serial No. 280,087. PUBLISHED SEPTEMBER 17, 1929. Class 21.
- 264,407. CONDUIT OUTLET BOXES, COVERS FOR CONDUIT OUTLET BOXES, SWITCH BOXES, ETC. CROUSE-HINDS Co., Syracuse, N. Y.
Filed January 23, 1929. Serial No. 278,340. PUBLISHED SEPTEMBER 3, 1929. Class 21.
- 264,408. FUEL OILS. THE PENNZOIL COMPANY, Los Angeles, Calif., and Oil City, Pa.
Filed January 15, 1929. Serial No. 278,014. PUBLISHED SEPTEMBER 17, 1929. Class 15.
- 264,409. RADIO ANTENNAE. LOVELESS ANTENNA, INC., Bath, N. Y.
Filed December 27, 1928. Serial No. 277,250. PUBLISHED SEPTEMBER 3, 1929. Class 21.
- 264,410. CERTAIN NAMED WEARING APPAREL. MORRIS LEVINSON & SONS, New York, N. Y.
Filed May 24, 1929. Serial No. 284,577. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,411. ELECTRICAL APPLIANCES. THE CUTINO COMPANY, Kansas City, Mo.
Filed May 29, 1929. Serial No. 284,774. PUBLISHED SEPTEMBER 3, 1929. Class 21.
- 264,412. PETROLEUM PRODUCTS. SUNSET PETROLEUM CORPORATION, Los Angeles, Calif.
Filed May 22, 1929. Serial No. 284,502. PUBLISHED SEPTEMBER 3, 1929. Class 15.
- 264,413. FRATERNITY BADGES, LAPEL BUTTONS, CUFF LINKS, ETC. ALPHA CHI OMEGA FRATERNITY, Lansing, Mich.
Filed May 20, 1929. Serial No. 284,284. PUBLISHED SEPTEMBER 3, 1929. Class 28.
- 264,414. CANDLES. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y.
Filed May 13, 1929. Serial No. 283,927. PUBLISHED AUGUST 27, 1929. Class 15.
- 264,415. CANDLES. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y.
Filed May 13, 1929. Serial No. 283,926. PUBLISHED AUGUST 27, 1929. Class 15.
- 264,416. PENETRATING AND LUBRICATING OIL. KARL M. STEINMETZ, doing business as K. S. Products Co., Philadelphia, Pa.
Filed May 1, 1929. Serial No. 283,355. PUBLISHED AUGUST 27, 1929. Class 15.
- 264,417. ELECTRICAL LIGHTING FIXTURES, ELECTRIC SWITCHES, SOCKETS, ETC. G. E. SUPPLY Co., Chicago, Ill.
Filed Apr. 29, 1929. Serial No. 283,189. PUBLISHED SEPTEMBER 3, 1929. Class 21.
- 264,418. CLARINETS, CORNETS, DRUMS, ETC. SEARS ROEBUCK AND Co., Chicago, Ill.
Filed April 27, 1929. Serial No. 283,142. PUBLISHED SEPTEMBER 3, 1929. Class 36.
- 264,419. GASOLINES. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed Apr. 22, 1929. Serial No. 282,825. PUBLISHED SEPTEMBER 17, 1929. Class 15.

- 264,420. FINGER RINGS AND MOUNTINGS THEREFOR. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y.
Filed April 20, 1929. Serial No. 282,706. PUBLISHED SEPTEMBER 3, 1929. Class 28.
- 264,421. FINGER RINGS AND MOUNTINGS THEREFOR. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y.
Filed April 20, 1929. Serial No. 282,708. PUBLISHED SEPTEMBER 3, 1929. Class 28.
- 264,422. ELECTRICAL DEVICES CONSISTING OF SAFETY-SWITCH BOXES AND CEILING-FAN SPLIT CONNECTIONS. AMOS ELECTRICAL DEVICE MANUFACTURING CORP'N, Dallas, Tex.
Filed Apr. 19, 1929. Serial No. 282,630. PUBLISHED SEPTEMBER 17, 1929. Class 21.
- 264,423. RADIO AERIALS AND GROUND ELIMINATORS. M. M. FLESON & SON, INC., Trenton, N. J.
Filed July 12, 1929. Serial No. 286,985. PUBLISHED SEPTEMBER 17, 1929. Class 21.
- 264,424. ELECTRICAL INSULATION COMPOUNDS AND FABRICS IN LIQUID, SEMILIQUID, PASTE FORM, IN SHEETS PLAIN AND LAMINATED, AND IN THE FORM OF MOLDING COMPOUNDS. THE HARVEL CORPORATION, Newark, N. J.
Filed July 11, 1929. Serial No. 286,937. PUBLISHED SEPTEMBER 17, 1929. Class 21.
- 264,425. INNER SOLES FOR SHOES. BROWN COMPANY, Portland, Me., and Berlin, N. H.
Filed May 24, 1929. Serial No. 284,560. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,426. CANDIES. DEMETRIOS PAPPAGEORGE, doing business as Chicago Candy Novelties Company, Not Inc., Chicago, Ill.
Filed July 1, 1929. Serial No. 286,450. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,427. NONALCOHOLIC, CEREAL, MALT BEVERAGES. VAL BLATZ BREWING COMPANY, Milwaukee, Wis.
Filed June 28, 1929. Serial No. 286,347. PUBLISHED SEPTEMBER 17, 1929. Class 48.
- 264,428. CANNED FISH. NEWPORT FISH CO., Newport, Oreg.
Filed June 27, 1929. Serial No. 286,258. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,429. GINGER ALE. DANIEL BERMAN, doing business as Star Bottling Works, Milwaukee, Wis.
Filed June 26, 1929. Serial No. 286,148. PUBLISHED SEPTEMBER 17, 1929. Class 45.
- 264,430. CANNED SWEET KRAUT. FRED SCHLUBEN, Sellersville, Pa.
Filed June 22, 1929. Serial No. 285,989. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,431. TEMPERATURE, PRESSURE AND LIQUID LEVEL CONTROLLERS, PYROMETERS, ETC. THE REFINERY SUPPLY COMPANY, Tulsa, Okla.
Filed June 21, 1929. Serial No. 285,937. PUBLISHED SEPTEMBER 17, 1929. Class 26.
- 264,432. PERIODICAL PUBLICATIONS. FRANK W. ENGLISH, INC., Detroit, Mich.
Filed June 18, 1929. Serial No. 285,737. PUBLISHED SEPTEMBER 10, 1929. Class 38.
- 264,433. METAL CUTTING TOOLS AND PARTS THEREFOR. ARROW TOOL AND REAMER COMPANY, Detroit, Mich.
Filed June 15, 1929. Serial No. 285,616. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,434. A TRADE PAPER PUBLISHED MONTHLY. GEORGES W. PRESSIER, New York, N. Y.
Filed June 14, 1929. Serial No. 285,591. PUBLISHED SEPTEMBER 10, 1929. Class 38.
- 264,435. SHOVELS, SPADES, AND SCOOPS. THE PITTSBURGH SHOVEL COMPANY, Pittsburgh, Pa.
Filed June 6, 1929. Serial No. 285,169. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,436. OPERA GLASSES AND FIELD GLASSES. OPTISCHE WERKE G. RODENSTOCK, Munich, Germany.
Filed June 6, 1929. Serial No. 285,168. PUBLISHED SEPTEMBER 17, 1929. Class 26.
- 264,437. CHEMICAL COMPOUND CONTAINING SOAP FOR MEDICINAL BATHS. OSMOS COMPANY OF AMERICA, Boston, Mass.
Filed August 2, 1929. Serial No. 288,032. PUBLISHED SEPTEMBER 17, 1929. Class 4.
- 264,438. SOAPS. PETER MÜLHENS, doing business as Eau de Cologne- & Parfümerie-Fabrik, "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mühlhens, Cologne-on-the-Rhine, Germany.
Filed August 2, 1929. Serial No. 288,024. PUBLISHED SEPTEMBER 10, 1929. Class 4.
- 264,439. DIRT AND GREASE DISSOLVENT FOR GENERAL CLEANING PURPOSES IN HOME, MANUFACTURING PLANTS, PUBLIC AND OFFICE BUILDINGS, HOSPITALS, GARAGES, MACHINE SHOPS, AND LAUNDRIES. DE LANCEY BROWN, doing business as De L. Brown, Albany, N. Y.
Filed July 25, 1929. Serial No. 287,645. PUBLISHED SEPTEMBER 17, 1929. Class 4.
- 264,440. PERIODICAL PUBLICATIONS. WETZEL MARKET BUREAU INC., New York, N. Y.
Filed July 20, 1929. Serial No. 287,433. PUBLISHED SEPTEMBER 3, 1929. Class 38.
- 264,441. COMPOUND FOR USE IN REMOVING ROAD OIL, TAR GREASE, PAINT, INK, AND OTHER THINGS FROM THE HANDS OF MECHANICS, PRINTERS, PAINTERS, AND FOR HOUSEHOLD USE. GRADY BROS. & MORAN MFG. CO., Horse Cave, Ky.
Filed July 19, 1929. Serial No. 287,347. PUBLISHED SEPTEMBER 17, 1929. Class 4.
- 264,442. MONTHLY PUBLICATION. DON G. GARDNER, Cincinnati, Ohio.
Filed July 19, 1929. Serial No. 287,343. PUBLISHED SEPTEMBER 3, 1929. Class 38.
- 264,443. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE. THE BRADPONT CO., Inc., Richmond, Va.
Filed July 16, 1929. Serial No. 287,170. PUBLISHED SEPTEMBER 17, 1929. Class 45.
- 264,444. ENGINE MUFFLERS. THE SIMMONS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 18, 1929. Serial No. 287,317. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,445. CANNED FISH. CUSTOM HOUSE PACKING CORPORATION, Monterey, Calif.
Filed July 13, 1929. Serial No. 287,052. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,446. CANNED VEGETABLES. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed July 10, 1929. Serial No. 286,891. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,447. OIL-WELL TOOLS AND EQUIPMENT COMPRISING GAS LIFT PUMPS, CHAMBERS FOR PUMPS, TIMERS FOR PUMPS, VALVES FOR PUMPS, AND PARTS FOR PUMPS THEREFOR. JORDAN & TAYLOR, INC., Los Angeles, Calif.
Filed July 9, 1929. Serial No. 286,828. PUBLISHED SEPTEMBER 17, 1929. Class 23.
- 264,448. A PERIODICAL PUBLISHED MONTHLY. CLAUDE NEON LIGHTS, INC., New York, N. Y.
Filed July 3, 1929. Serial No. 286,563. PUBLISHED SEPTEMBER 10, 1929. Class 38.
- 264,449. A PERIODICAL PUBLISHED MONTHLY. CLAUDE NEON LIGHTS, INC., New York, N. Y.
Filed July 3, 1929. Serial No. 286,562. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,450. CANNED STRINGLESS BEANS AND CANNED TOMATOES. DREW COTTON SEED OIL MILL, Monticello, Ark.
Filed July 3, 1929. Serial No. 286,537. PUBLISHED SEPTEMBER 17, 1929. Class 46.

264,451. A CREAM-FILLED WAFER. FRANK FEVOLA, doing business as Scotto's, Brooklyn, N. Y.
Filed June 19, 1929. Serial No. 285,814. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,452. LEATHER NOVELTIES AND LEATHER GOODS. SECO LEATHER PRODUCTS COMPANY, New York, N. Y.
Filed June 10, 1929. Serial No. 285,385. PUBLISHED SEPTEMBER 3, 1929. Class 3.

264,453. FRIED PIES. FRED TURNER, Dallas, Tex.
Filed June 8, 1929. Serial No. 285,310. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,454. EGGS. HARRY ATLAS, New York, N. Y.
Filed June 6, 1929. Serial No. 285,144. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,455. TRAVELLING BAGS, LEATHER HATBOXES, SUITCASES, BRIEF CASES, AND TRUNKS. STERN BROTHERS, New York, N. Y.
Filed June 5, 1929. Serial No. 285,117. PUBLISHED SEPTEMBER 3, 1929. Class 3.

264,456. COFFEE. LEE & CADY, Detroit, Mich.
Filed August 10, 1929. Serial No. 288,384. PUBLISHED SEPTEMBER 17, 1929. Class 46.

264,457. RAZOR BLADES. HUGH S. MACNAIR, doing business as Mac Blade Works, Fremont, Ohio.
Filed August 8, 1929. Serial No. 288,283. PUBLISHED SEPTEMBER 17, 1929. Class 23.

264,458. A HOUSE MAGAZINE. THE PFAUDLER CO., Rochester, N. Y.
Filed August 3, 1929. Serial No. 288,085. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,459. A PERIODICAL OR HOUSE ORGAN PUBLISHED PERIODICALLY. CARRIER ENGINEERING CORPORATION, Newark, N. J.
Filed August 3, 1929. Serial No. 288,063. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,460. PAPER NAPKINS. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed August 2, 1929. Serial No. 287,994. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,461. PAPER NAPKINS. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed August 2, 1929. Serial No. 287,993. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,462. A SECTION OF A MAGAZINE. DISTRIBUTION AND WAREHOUSING PUBLICATIONS, INC., New York, N. Y.
Filed July 29, 1929. Serial No. 287,797. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,463. FLAVORED AND SWEETENED POP CORN. GEORGE'S HONEY KISS POP CORN, INC., Milford, Conn.
Filed July 27, 1929. Serial No. 287,751. PUBLISHED SEPTEMBER 17, 1929. Class 46.

264,464. A MONTHLY PERIODICAL. PLASTICS PUBLICATIONS, INC., New York, N. Y.
Filed July 24, 1929. Serial No. 287,591. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,465. POWER-TRANSMISSION BELTS. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed July 24, 1929. Serial No. 287,576. PUBLISHED SEPTEMBER 17, 1929. Class 35.

264,466. SPRING WATER. ROY HARDWAY, doing business as Magnetic Water Company, Eureka Springs, Ark.
Filed July 23, 1929. Serial No. 287,530. PUBLISHED SEPTEMBER 17, 1929. Class 45.

264,467. RUBBER HOSE. CEMENT GUN COMPANY, INC., New York, N. Y.
Filed July 23, 1929. Serial No. 287,523. PUBLISHED SEPTEMBER 17, 1929. Class 35.

264,468. MATTRESSES. RUTHERFORD & HOOD, San Francisco, Calif.
Filed July 22, 1929. Serial No. 287,497. PUBLISHED SEPTEMBER 17, 1929. Class 32.

264,469. CUTLERY—NAMELY, BANANA KNIVES, BEEF SLICERS, BREAD KNIVES, ETC. THE CLYDE CUTLERY COMPANY, Clyde, Ohio.
Filed July 22, 1929. Serial No. 287,452. PUBLISHED SEPTEMBER 17, 1929. Class 23.

264,470. PAPER TOWELS. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed July 22, 1929. Serial No. 287,510. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,471. TOILET PAPER AND WHITE CREPE NAPKINS. REGAL PAPER COMPANY, INCORPORATED, Pulaskee, N. Y.
Filed July 22, 1929. Serial No. 287,496. PUBLISHED SEPTEMBER 17, 1929. Class 37.

264,472. A NONALCOHOLIC, NONCEREAL, MALT-LESS BEVERAGE SOLD AS A SOFT DRINK AND SYRUPS, EXTRACTS, CONCENTRATES, AND COMPOUNDS FOR MAKING THE SAME. RHODA M. LAZENBY, doing business as Texatoul Company, Dallas, Tex.
Filed July 19, 1929. Serial No. 287,351. PUBLISHED SEPTEMBER 17, 1929. Class 45.

264,473. SHOES, OXFORDS, RUBBERS, GAITERS, AND SLIPPERS, MANUFACTURED OF LEATHER, RUBBER, FABRIC, OR THE COMBINATION OF LEATHER, RUBBER, AND FABRIC. ZARNE SHOE CORPORATION, Milwaukee, Wis.
Filed May 16, 1929. Serial No. 284,152. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,474. LEATHER SHOES. THE EMERSON COMPANY, Derry, N. H.
Filed May 7, 1929. Serial No. 283,602. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,475. BOOTS AND SHOES OF LEATHER, RUBBER, OR TEXTILE MATERIAL OR COMBINATIONS OF THESE MATERIALS. A. ATMANSPACHER, Ehrenfriedersdorf, Germany.
Filed May 2, 1929. Serial No. 283,366. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,476. RUBBER GOODS—TO WIT, BATHING CAPS, BATHING SANDALS, AND BELTS IN THE NATURE OF GARMENT SUPPORTERS. LEW-MAR PRODUCTS COMPANY, New York, N. Y.
Filed April 30, 1929. Serial No. 283,284. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,477. PAPER BAGS. BATES VALVE BAG CORPORATION, Chicago, Ill.
Filed April 17, 1929. Serial No. 282,514. PUBLISHED SEPTEMBER 17, 1929. Class 2.

264,478. PAPER BAGS. BATES VALVE BAG CORPORATION, Chicago, Ill.
Filed April 17, 1929. Serial No. 282,513. PUBLISHED SEPTEMBER 17, 1929. Class 2.

264,479. CERTAIN NAMED WEARING APPAREL. RAINDIZED PROCESS LTD., New York, N. Y.
Filed March 5, 1929. Serial No. 280,276. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,480. LADIES' AND MISSES' HATS. ETHEL HAT CO., INC., New York, N. Y.
Filed March 5, 1929. Serial No. 280,236. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,481. LUBRICATING OILS. ALLEN & ALLEN, INC., Providence, R. I.
Filed April 6, 1929. Serial No. 281,929. PUBLISHED SEPTEMBER 17, 1929. Class 15.

264,482. RADIO RECEIVING SETS. MEAD CYCLE COMPANY, Chicago, Ill.
Filed July 10, 1929. Serial No. 286,890. PUBLISHED SEPTEMBER 17, 1929. Class 21.

264,483. A LIQUID COMPOSITION USED AS A LUBRICANT IN CUTTING PIPE THREADS, DIES, ETC. GEORGE E. MACKLEM, Chester, Pa.
Filed July 10, 1929. Serial No. 286,889. PUBLISHED SEPTEMBER 17, 1929. Class 15.

264,484. A HOUSEHOLD LUBRICATING OIL. THE CITIES SERVICE OIL COMPANY, Cleveland, Ohio.
Filed July 5, 1929. Serial No. 286,621. PUBLISHED SEPTEMBER 17, 1929. Class 15.

264,485. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS, LUBRICATING GREASES, AND KEROSENE. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 3, 1929. Serial No. 286,588. PUBLISHED SEPTEMBER 17, 1929. Class 15.

264,486. PIANO ACCORDIONS, CHROMATIC ACCORDIONS, ETC. ARTHUR H. MILLER, Seattle, Wash.
Filed July 2, 1929. Serial No. 286,497. PUBLISHED SEPTEMBER 17, 1929. Class 36.

264,487. PIANO ACCORDIONS, CHROMATIC ACCORDIONS, ETC. ARTHUR H. MILLER, Seattle, Wash.
Filed July 2, 1929. Serial No. 286,496. PUBLISHED SEPTEMBER 17, 1929. Class 36.

264,488. RE-REFINED LUBRICATING OIL. WARNER STUTLER COMPANY INCORPORATED, Washington, D. C.
Filed June 28, 1929. Serial No. 286,349. PUBLISHED SEPTEMBER 3, 1929. Class 15.

264,489. PIANOS. THE STARR PIANO COMPANY, Richmond, Ind.
Filed June 27, 1929. Serial No. 286,282. PUBLISHED SEPTEMBER 3, 1929. Class 36.

264,490. SYNTHETIC STONES FOR JEWELERS' USE. L. HELLER & SON, INC., New York, N. Y.
Filed June 27, 1929. Serial No. 286,247. PUBLISHED SEPTEMBER 3, 1929. Class 28.

264,491. SYNTHETIC STONES FOR JEWELERS' USE. L. HELLER & SON, INC., New York, N. Y.
Filed June 27, 1929. Serial No. 286,246. PUBLISHED SEPTEMBER 3, 1929. Class 28.

264,492. STRINGS AND NECKLACES OF ARTIFICIAL PEARLS. MAZER BROTHERS, New York, N. Y.
Filed June 26, 1929. Serial No. 286,187. PUBLISHED SEPTEMBER 17, 1929. Class 28.

264,493. STRINGS AND NECKLACES OF ARTIFICIAL PEARLS. MAZER BROTHERS, New York, N. Y.
Filed June 26, 1929. Serial No. 286,186. PUBLISHED SEPTEMBER 17, 1929. Class 28.

264,494. BARE AND INSULATED ELECTRICAL WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed June 26, 1929. Serial No. 286,167. PUBLISHED SEPTEMBER 17, 1929. Class 21.

264,495. FINGER RINGS. E. M. ROSENTHAL JEWELRY COMPANY, Washington, D. C.
Filed June 25, 1929. Serial No. 286,131. PUBLISHED SEPTEMBER 3, 1929. Class 28.

264,496. PRECIOUS-METAL JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES, AND SUCH JEWELRY SET WITH PRECIOUS STONES. JACOB L. BRANDT, doing business as J. L. Brandt Co., New York, N. Y.
Filed June 25, 1929. Serial No. 286,100. PUBLISHED SEPTEMBER 17, 1929. Class 28.

264,497. ARTICLES OF JEWELRY CONSISTING OF FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, BROOCHES, AND HANDBAGS AND PURSES OF PRECIOUS METALS. LEO F. PHILLIPS, doing business as Leo F. Phillips Co., New York, N. Y.
Filed June 21, 1929. Serial No. 285,935. PUBLISHED SEPTEMBER 17, 1929. Class 28.

264,498. ARTICLES OF JEWELRY CONSISTING OF FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, BROOCHES, AND HANDBAGS AND PURSES OF PRECIOUS METALS. LEO F. PHILLIPS, doing business as Leo F. Phillips Co., New York, N. Y.
Filed June 21, 1929. Serial No. 285,934. PUBLISHED SEPTEMBER 17, 1929. Class 28.

264,499. ARC LAMPS, ELECTRIC AND ARC LAMPS FOR PHOTOGRAPHIC PURPOSES. BURKE & JAMES, INC., Chicago, Ill.
Filed June 21, 1929. Serial No. 285,905. PUBLISHED SEPTEMBER 3, 1929. Class 21.

264,500. MINERAL OILS FOR MEDICINAL PURPOSES. HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y.
Filed May 21, 1929. Serial No. 284,401. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,501. INSECTICIDES, CHEMICAL COMPOUNDS ADAPTED FOR KILLING MOTHS AND MOTH LARVAE, AND ODORIZERS. SMITH-ERNSTER LABORATORIES, INC., New York, N. Y.
Filed May 15, 1929. Serial No. 284,088. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,502. INSECTICIDE. RALPH B. RANDALL, Seattle, Wash.
Filed May 15, 1929. Serial No. 284,078. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,503. A PLAIN TWIST AND FANCY WOOL SUITING IN THE PIECE FOR MEN'S WEAR. MORRIS M. SCHER, Baltimore, Md.
Filed May 8, 1929. Serial No. 283,702. PUBLISHED SEPTEMBER 10, 1929. Class 42.

264,504. PERFUMES, ARTIFICIAL PERFUME ESSENCES, AND CEDAR-WOOD OIL. VANILLIN-FABRIK GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Hamburg-Billbrook, Germany.
Filed April 24, 1929. Serial No. 282,960. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,505. MEDICINAL PREPARATIONS—NAMELY, HEALING OINTMENTS FOR EXTERNAL AND INTRAORIFICIAL USE, HEALING SALVES FOR EXTERNAL AND INTRAORIFICIAL USE OF ANTISEPTICS FOR EXTERNAL AND INTRAORIFICIAL USE. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed January 10, 1929. Serial No. 277,814. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,506. HAND LOTIONS. ARMINIUS G. STEEN, doing business as The Glysteena Company, Elmira, N. Y.
Filed January 9, 1929. Serial No. 277,778. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,507. MEDICATED BLOOD-STOPPING GAUZE, WADDING, AND BANDAGE GAUZE. PHARMA-ZEUTISCHE INDUSTRIE A. G., Vienna, Austria.
Filed December 27, 1928. Serial No. 277,252. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,508. ENGRAVED STATIONERY—NAMELY, BUSINESS CARDS, CALLING CARDS, WEDDING INVITATIONS AND ANNOUNCEMENTS, CHRISTMAS, NEW YEAR, AND BIRTHDAY GREETING CARDS, AND BUSINESS ANNOUNCEMENTS OF ALL KINDS. ACE ENGRAVING & EMBOSING CO., Chicago, Ill.
Filed May 23, 1929. Serial No. 284,515. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,509. RECORDING PADS OR LOOSE SHEETS FOR TELEPHONE NUMBERS, OR OTHER SIMILAR PURPOSES. ROBERT R. POWELL, White Plains, N. Y.
Filed May 21, 1929. Serial No. 284,419. PUBLISHED SEPTEMBER 3, 1929. Class 37.

264,510. BOND PAPER, SMOOTH-FINISHED PAPER USED FOR PRINTING AND WRITING PURPOSES, AND LEDGER PAPER. C. F. HORCKEL BLANK BOOK AND LITHOGRAPHING COMPANY, Denver, Colo. Filed May 16, 1929. Serial No. 284,125. PUBLISHED SEPTEMBER 3, 1929. Class 37.

264,511. PAPER TOWELS, PAPER TABLE COVERS, PAPER DIAPERS, PAPER DYDEES, PAPER NAPKINS, AND TOILET PAPER. SCOTT PAPER COMPANY, Chester, Pa. Filed May 7, 1929. Serial No. 283,599. PUBLISHED SEPTEMBER 17, 1929. Class 37.

264,512. GUMMED PAPER. McLAURIN-JONES CO., Brookfield, Mass. Filed May 3, 1929. Serial No. 283,462. PUBLISHED SEPTEMBER 3, 1929. Class 37.

264,513. PAPETERIES, WRITING PAPER, ENVELOPES, ETC. THE TAYLOR-ATKINS PAPER COMPANY, Burnside, Conn. Filed April 27, 1929. Serial No. 283,151. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,514. HAND-MADE WRITING AND PRINTING PAPER. JAPAN PAPER COMPANY, New York, N. Y. Filed March 18, 1929. Serial No. 280,920. PUBLISHED SEPTEMBER 3, 1929. Class 37.

264,515. TOILET PAPER. WYOMING VALLEY PAPER MILL, Northumberland, N. H., and New York, N. Y. Filed February 18, 1929. Serial No. 279,585. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,516. TOILET PAPER. WYOMING VALLEY PAPER MILL, Northumberland, N. H., and New York, N. Y. Filed February 18, 1929. Serial No. 279,584. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,517. TOILET PAPER. WYOMING VALLEY PAPER MILL, Northumberland, N. H., and New York, N. Y. Filed February 18, 1929. Serial No. 279,583. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,518. CARDBOARD, BRISTOL BOARD, PAPER CAL-NDAR BACK, COVER PAPER, AND PHOTO MOUNTS. THE BEVERIDGE PAPER COMPANY, Indianapolis, Ind. Filed February 11, 1929. Serial No. 279,140. PUBLISHED SEPTEMBER 17, 1929. Class 37.

264,519. GUMMED PAPER, PRINT PAPER, BOND PAPER, BOOK PAPER, AND KRAFT PAPER. THE GUMMED PRODUCTS COMPANY, Troy, Ohio. Filed December 31, 1928. Serial No. 277,419. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,520. SHAMPOO. J. N. COLE, doing business as The Cole-Black Company, Los Angeles, Calif. Filed July 9, 1929. Serial No. 286,815. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,521. ROTOGRAVURE PAPERS, PRINTING, WRIT-ING, BOOK, AND COVER PAPERS. SEAMAN PAPER COMPANY, Chicago, Ill. Filed July 19, 1929. Serial No. 287,369. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,522. ROTOGRAVURE PAPERS, PRINTING, WRIT-ING, BOOK, AND COVER PAPERS, AND OFFSET PAPERS. SEAMAN PAPER COMPANY, Chicago, Ill. Filed July 19, 1929. Serial No. 287,367. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,523. ROTOGRAVURE PAPERS, PRINTING, WRIT-ING, BOOK, AND COVER PAPERS. SEAMAN PAPER COMPANY, Chicago, Ill. Filed July 19, 1929. Serial No. 287,365. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,524. ROTOGRAVURE PAPERS, PRINTING, WRIT-ING, BOOK, AND COVER PAPERS. SEAMAN PAPER COMPANY, Chicago, Ill. Filed July 19, 1929. Serial No. 287,372. PUBLISHED SEPTEMBER 17, 1929. Class 37.

264,525. ROTOGRAVURE PAPERS, PRINTING, WRIT-ING, BOOK, AND COVER PAPERS. SEAMAN PAPER COMPANY, Chicago, Ill. Filed July 19, 1929. Serial No. 287,371. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,526. A NEWSPAPER FEATURE PUBLISHED PERIODICALLY. PHILIP H. BACHRACH, Oceanside, Calif. Filed July 17, 1929. Serial No. 287,226. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,527. PAPETERIES, BRISTOL BOARD, PAPER AND CARDS FOR WEDDING, ANNOUNCEMENT, AND GREETING PURPOSES, AND MAILING ENVE-LOPES. STRATHMORE PAPER COMPANY, Mittleague, Mass. Filed July 12, 1929. Serial No. 287,025. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,528. ANNOUNCEMENT CARDS AND MAILING EN-VELOPES. OLD COLONY ENVELOPE COMPANY, West-field, Mass. Filed July 12, 1929. Serial No. 287,002. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,529. RADIO ELECTRON TUBES. FRENCH BAT-TERY COMPANY, Madison, Wis. Filed June 20, 1929. Serial No. 285,852. PUBLISHED SEPTEMBER 3, 1929. Class 21.

264,530. RADIO RECEIVING SETS, RADIO SPEAKER UNITS, RADIO AMPLIFIER UNITS, AND RADIO TUNER UNITS, RADIO RECEIVING SETS ADAPT-ED FOR COMBINATION WITH PHONOGRAPHS. CONTINENTAL RADIO CORPORATION, Fort Wayne, Ind. Filed June 20, 1929. Serial No. 285,848. PUBLISHED SEPTEMBER 17, 1929. Class 21.

264,531. RADIO RECEIVING SETS, RADIO SPEAKER UNITS, RADIO AMPLIFIER UNITS, AND RADIO TUNER UNITS, RADIO RECEIVING SETS ADAPT-ED FOR COMBINATION WITH PHONOGRAPHS. CONTINENTAL RADIO CORPORATION, Fort Wayne, Ind. Filed June 20, 1929. Serial No. 285,849. PUBLISHED SEPTEMBER 17, 1929. Class 21.

264,532. BATTERIES, ELECTRIC-LIGHT BULBS, AND SPARK PLUGS FOR INTERNAL-COMBUSTION ENGINES. SERVICE STATION SUPPLY COMPANY, Los Angeles, Calif. Filed June 17, 1929. Serial No. 285,694. PUBLISHED SEPTEMBER 3, 1929. Class 21.

264,533. REFLECTING RADIATING HEATERS. LYNN PRODUCTS CO., Lynn, Mass. Filed June 17, 1929. Serial No. 285,683. PUBLISHED SEPTEMBER 3, 1929. Class 21.

264,534. CORSETS, GIRDLES, AND BRASSIERES. THE BERGER BROTHERS COMPANY, New Haven, Conn. Filed July 31, 1929. Serial No. 287,903. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,535. NECKLACES, BRACELETS, AND OTHER JEWELRY MADE FROM JADE, CRYSTALS, PEARLS, PRECIOUS STONES, METALS, AND IMITATIONS THEREOF. ATOW MATSUOKA, San Francisco, Calif. Filed June 10, 1929. Serial No. 285,303. PUBLISHED SEPTEMBER 3, 1929. Class 28.

264,536. SHOES OF LEATHER AND FABRIC. I. MIL-LEK & SONS, INC., New York and Long Island City, N. Y. Filed July 27, 1929. Serial No. 287,763. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,537. WOMEN'S SANDALS MADE OF LEATHER, FABRIC, OR PAPER OR COMBINATIONS THERE-OF. WALTHER LOWENDAUHL SHOE CO., INC., New York, N. Y. Filed July 19, 1929. Serial No. 287,386. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,538. RUBBER TAPS OR SOLES. PANCO RUBBER COMPANY, Chelsea, Mass. Filed July 18, 1929. Serial No. 287,309. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,539. MEN'S AND BOYS' FELT AND STRAW HATS AND CLOTH CAPS, MEN'S SILK HATS, AND FELT AND STRAW HATS FOR WOMEN AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed July 16, 1929. Serial No. 287,211. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,540. RUBBER HEELS. PANTHER RUBBER MANUFAC-TURING COMPANY, Stoughton, Mass. Filed July 13, 1929. Serial No. 287,089. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,541. OIL BURNERS. HARDING BROTHERS, INC., Chicago, Ill. Filed July 12, 1929. Serial No. 286,987. PUBLISHED SEPTEMBER 17, 1929. Class 34.

264,542. LADIES', MISSES', AND CHILDREN'S READY-TO-WEAR HATS. J. C. PENNEY COMPANY, William-son, Del., and New York, N. Y. Filed July 10, 1929. Serial No. 286,896. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,543. RUBBER HEELS AND SOLES FOR SHOES. HOLTRIE MFG. CO., Baltimore, Md. Filed July 5, 1929. Serial No. 286,635. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,544. BATHING CAPS. THOMAS J. HOWLAND, Long Branch, N. J. Filed July 3, 1929. Serial No. 286,559. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,545. BOYS' SHOES CONSTRUCTED OF LEATHER AND/OR RUBBER OR ANY COMBINATION THERE-OF HAVING RUBBER SOLES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed July 2, 1929. Serial No. 286,479. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,546. BOYS' SHOES CONSTRUCTED OF LEATHER AND/OR RUBBER OR ANY COMBINATIONS THEREOF AND HAVING LEATHER SOLES. ENDI-COTT JOHNSON CORPORATION, Endicott, N. Y. Filed July 2, 1929. Serial No. 286,478. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,547. LEATHER SHOES. E. M. KAHN & COMPANY, Dallas, Tex. Filed June 29, 1929. Serial No. 286,372. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,548. SHOES MADE OF LEATHER, RUBBER, CLOTH, OR OTHER FABRIC AND/OR ANY COM-BINATIONS THEREOF. THE STERN-AUER COMPANY, Cincinnati, Ohio. Filed June 19, 1929. Serial No. 285,837. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,549. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. BONA ALLEN, Inc., Buford, Ga. Filed June 13, 1929. Serial No. 285,495. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,550. BUILDING CEMENT. GONZALO BOZA & CO. Inc., New York, N. Y. Filed October 24, 1928. Serial No. 274,218. PUB-LISHED SEPTEMBER 3, 1929. Class 12.

264,551. GENITO-URINARY TONICS FOR DISEASES PECULIAR TO WOMEN AND FOR DISEASES OF URINARY TRACT COMMON TO MEN AND WOMEN. DR. JAMES V. MAY, Port Gibson, Miss. Filed July 6, 1929. Serial No. 286,727. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,552. SALVE USED IN THE TREATMENT OF ECZEMA, SKIN DISEASES, AND DANDRUFF. YOGI COMPANY, INC., New Orleans, La. Filed July 6, 1929. Serial No. 286,704. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,553. CAPSULES CONTAINING A PREPARATION FOR TREATING TROUBLES OF THE LIVER, KID-NEYS, AND STOMACH. DANIEL H. MILLER, doing business as Riverside Drug Co., Fort Worth, Tex. Filed July 2, 1929. Serial No. 286,499. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,554. PAPER TOWELS. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif. Filed August 5, 1929. Serial No. 288,108. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,555. PAPETERIES, BRISTOL BOARD, PAPER AND CARDS FOR WEDDING, ANNOUNCEMENT, AND GREETING PURPOSES, AND MAILING ENVE-LOPES. STRATHMORE PAPER COMPANY, Mittleague, Mass. Filed August 2, 1929. Serial No. 288,040. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,556. TISSUE AND WAXED PAPER IN ROLLS, SHEETS, FOLDS, AND PACKAGES. AMERICAN TISSUE MILLS, Holyoke, Mass. Filed August 2, 1929. Serial No. 287,996. PUB-LISHED SEPTEMBER 10, 1929. Class 37.

264,557. PAPER NAPKINS. AMERICAN TISSUE MILLS, Holyoke, Mass. Filed August 2, 1929. Serial No. 287,995. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,558. A PERIODICAL PUBLISHED FROM TIME TO TIME. UNITED ASSOCIATION OF JOURNEYMEN PLUMB-ERS AND STEAM FITTERS OF THE UNITED STATES AND CANADA, Washington, D. C. Filed July 29, 1929. Serial No. 287,855. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,559. TELEPHONE INDEX. EUREKA TIN WARE MFG. CO., INC., New York, N. Y. Filed July 29, 1929. Serial No. 287,800. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,560. WALL PAPER. W. H. S. LLOYD COMPANY, New York, N. Y. Filed July 27, 1929. Serial No. 287,760. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,561. TABLETS AND BLANK BOOKS. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 25, 1929. Serial No. 287,684. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,562. STEREOTYPE MATS. C. F. BURGESS LABORA-TORIES, INC., Madison, Wis. Filed July 25, 1929. Serial No. 287,648. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,563. PERIODICAL PUBLICATIONS. SLATTON-LEARNED, INC., Boston, Mass. Filed July 24, 1929. Serial No. 287,626. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,564. BLANK FORMS SOLD TO THE TRADE AS SUCH. LEE ROGERS COMPANY, Chicago, Ill. Filed July 24, 1929. Serial No. 287,619. PUBLISHED SEPTEMBER 17, 1929. Class 37.

264,565. BLANK FORMS SOLD TO THE TRADE AS SUCH. LEE ROGERS COMPANY, Chicago, Ill. Filed July 24, 1929. Serial No. 287,617. PUBLISHED SEPTEMBER 17, 1929. Class 37.

264,566. WALL PAPER. THE PRAGER CO., INC., Brook-lyn, N. Y. Filed July 24, 1929. Serial No. 287,593. PUBLISHED SEPTEMBER 17, 1929. Class 37.

264,567. A MONTHLY PERIODICAL. PLASTICS PUBLI-CATIONS, INC., New York, N. Y. Filed July 24, 1929. Serial No. 287,592. PUBLISHED SEPTEMBER 10, 1929. Class 38.

264,568. WAXED PAPER. ECONOMY PAPER COMPANY, Milwaukee, Wis. Filed July 24, 1929. Serial No. 287,574. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,569. FOUNTAIN PENS. THE MOORE PEN COMPANY, Boston, Mass.
Filed July 23, 1929. Serial No. 287,540. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,570. MAGAZINE. CLUB PRESS INC., New York, N. Y.
Filed July 13, 1929. Serial No. 287,103. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,571. MAGAZINE. CLUB PRESS INC., New York, N. Y.
Filed July 13, 1929. Serial No. 287,102. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,572. PERIODICAL. ORDER OF RAILWAY CONDUCTORS OF AMERICA, Cedar Rapids, Iowa.
Filed July 12, 1929. Serial No. 287,003. PUBLISHED SEPTEMBER 17, 1929. Class 38.

264,573. NEWSPAPER CARTOONS. NEWSPAPER FEATURE SERVICE, INC., New York, N. Y.
Filed July 12, 1929. Serial No. 286,003. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,574. A PASTE TO BE USED ON THE HANDS TO PREVENT THE STAINING OF THE SKIN. A. C. HORN COMPANY, Long Island City, N. Y.
Filed July 12, 1929. Serial No. 286,988. PUBLISHED SEPTEMBER 3, 1929. Class 4.

264,575. TRADE PUBLICATION ISSUED WEEKLY. CONSOLIDATED TRADE PUBLICATIONS, INC., New York, N. Y.
Filed July 12, 1929. Serial No. 286,977. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,576. MONTHLY MAGAZINE. DAVID W. McLAUGHLIN, Grand Rapids, Mich.
Filed July 11, 1929. Serial No. 286,946. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,577. MAGAZINE. SOUTHERN DRUGGIST PUBLISHING CO., INC., New Orleans, La.
Filed July 10, 1929. Serial No. 286,903. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,578. DAILY NEWSPAPER. R. O. DAVIES PUBLISHING CO., INC., Palm Beach, Fla.
Filed July 10, 1929. Serial No. 286,848. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,579. CLEANING FLUID FOR GENERAL HOUSEHOLD PURPOSES FOR CLEANING PAINTED AND ENAMELLED SURFACES, DISHES, GLASSWARE, BRASS, METAL OIL PAINTINGS, RUGS, LINOLEUM. HOWARD CLEANING SPECIALTIES, Chicago, Ill.
Filed July 8, 1929. Serial No. 286,776. PUBLISHED SEPTEMBER 17, 1929. Class 4.

264,580. PUBLICATION ISSUED MONTHLY. FOOD FACTS PUBLISHING CO., Omaha, Nebr.
Filed July 8, 1929. Serial No. 286,754. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,581. A DAILY AND A MONTHLY REVIEW OF THE GENERAL BUSINESS SITUATION. HEMPHILL, NOYES & CO., New York, N. Y.
Filed July 6, 1929. Serial No. 286,724. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,582. AUTO TOP DRESSINGS, AUTO SOAP, BRAKE DRESSINGS, AND RAIN-SPOT REMOVERS FOR METAL. THE PEP BOYS—MANNY, MOE & JACK, Philadelphia, Pa.
Filed July 6, 1929. Serial No. 286,713. PUBLISHED SEPTEMBER 10, 1929. Class 4.

264,583. SOAPS USED FOR TOILET AND LAUNDRY PURPOSES. PAUL SAPART, New York, N. Y.
Filed July 2, 1929. Serial No. 286,514. PUBLISHED SEPTEMBER 3, 1929. Class 4.

264,584. DRY CLEANER FOR REMOVING GREASE, OIL, WAX, PAINT, STAINS FROM SILKS, COTTON, OR WOOLEN GOODS. KING OF SPOTS CLEANING CO., Berryville, Ark.
Filed July 1, 1929. Serial No. 286,437. PUBLISHED SEPTEMBER 17, 1929. Class 4.

264,585. METALLIC WOOL CONTAINED IN HOLDERS AND USED FOR SCOURING AND POLISHING ALUMINUM POTS AND PANS AND OTHER METAL WARE AND SOAPS FOR CLEANING AND POLISHING. INTERNATIONAL SCOUR-PAC CORPORATION, New York, N. Y.
Filed June 29, 1929. Serial No. 286,370. PUBLISHED SEPTEMBER 10, 1929. Class 4.

264,586. PAINT AND HAND CLEANER. FRANK PHILLIPS, Hammond, Ind.
Filed June 25, 1929. Serial No. 286,130. PUBLISHED SEPTEMBER 3, 1929. Class 4.

264,587. COUPONS. TRADE AND TRAVEL, INC., Los Angeles, Calif.
Filed June 24, 1929. Serial No. 286,087. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,588. COUPONS. TRADE AND TRAVEL, INC., Los Angeles, Calif.
Filed June 24, 1929. Serial No. 286,086. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,589. PERFUMED SOAP. WRIGHT, LAYMAN & UMNEY, LIMITED, London, England.
Filed June 21, 1929. Serial No. 285,956. PUBLISHED SEPTEMBER 3, 1929. Class 4.

264,590. CALENDAR PAPER, COVER PAPER, BRISTOL BOARD, AND CARDBOARD. THE BEVERIDGE PAPER COMPANY, Indianapolis, Ind.
Filed July 5, 1929. Serial No. 286,618. PUBLISHED SEPTEMBER 10, 1929. Class 37.

264,591. DIARIES. FRANK SMITHSON, LTD., London, England.
Filed June 26, 1929. Serial No. 286,211. PUBLISHED SEPTEMBER 3, 1929. Class 37.

264,592. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS THEREFOR. THE CARTER'S INK COMPANY, Cambridge, Mass.
Filed June 21, 1929. Serial No. 285,907. PUBLISHED SEPTEMBER 3, 1929. Class 37.

264,593. WEEKLY PUBLICATION. THE GULF PUBLISHING COMPANY, Houston, Tex.
Filed June 21, 1929. Serial No. 285,915. PUBLISHED SEPTEMBER 17, 1929. Class 38.

264,594. LIQUID SOAP. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed June 19, 1929. Serial No. 285,793. PUBLISHED SEPTEMBER 3, 1929. Class 4.

264,595. PERIODICAL PUBLICATIONS AND PRINTED BULLETINS ISSUED AND SOLD AT IRREGULAR INTERVALS. NATIONAL BETTER BUSINESS BUREAU, INC., New York, N. Y.
Filed June 14, 1929. Serial No. 285,588. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,596. SOAPS OF ALL KINDS, PARTICULARLY HOUSEHOLD SOAP, TECHNICAL SOAP, TEXTILE SOAP, LIQUID SOAP, SOAP POWDER, WASHING POWDER, SOAP FLAKES, AND PUMICE SOAP. BENNET-AKTIEGESELLSCHAFT, Berlin, Germany.
Filed June 8, 1929. Serial No. 285,243. PUBLISHED SEPTEMBER 3, 1929. Class 4.

264,597. A FINANCIAL PUBLICATION ISSUED TWICE A MONTH. TRANS-MISSISSIPPI BANKER PUBLISHING CO., Kansas City, Mo.
Filed June 7, 1929. Serial No. 285,236. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,598. A MONTHLY INSURANCE PUBLICATION. THE INSURANCE MAGAZINE PUBLISHING CO., Kansas City, Mo.
Filed June 7, 1929. Serial No. 285,209. PUBLISHED SEPTEMBER 3, 1929. Class 38.

264,599. SOAPS. MANHATTAN SOAP COMPANY, INC., New York, N. Y.
Filed June 4, 1929. Serial No. 285,030. PUBLISHED SEPTEMBER 17, 1929. Class 4.

264,600. LIQUID PUMPS OF THE CENTRIFUGAL, DIAPHRAGM, PISTON, PLUNGER, AND ROTARY TYPES; AND WOODWORKING SAWS, SAW TABLES, AND SAW RIGS. CHAIN BELT COMPANY, Milwaukee, Wis.
Filed March 25, 1929. Serial No. 281,258. PUBLISHED SEPTEMBER 17, 1929. Class 23.

264,601. SYRUPS AND EXTRACTS FOR BEVERAGE PURPOSES AND NONALCOHOLIC CORDIALS. E. A. ZATARAIN & SONS, INCORPORATED, New Orleans, La.
Filed February 16, 1929. Serial No. 279,515. PUBLISHED SEPTEMBER 17, 1929. Class 45.

264,602. MACHINES, PRESSES, CALENDERS, ETC. FAIRBELL-BIRMINGHAM COMPANY, INCORPORATED, Ansonia and Derby, Conn., and Buffalo, N. Y.
Filed January 17, 1929. Serial No. 278,005. PUBLISHED SEPTEMBER 17, 1929. Class 23.

264,603. CHEESE. POPCORN CHEESE COMPANY, INC., Burlington, Vt.
Filed June 3, 1929. Serial No. 284,953. PUBLISHED SEPTEMBER 3, 1929. Class 46.

264,604. PERMANENT-WAVING PADS. DE MEO BROTHERS, New York, N. Y.
Filed June 3, 1929. Serial No. 284,937. PUBLISHED SEPTEMBER 17, 1929. Class 44.

264,605. WHEAT AND SELF-RISING FLOUR. THE COLORADO MILLING & ELEVATOR CO., doing business as The Burley Flour Mills, Denver, Colo., and Burley, Idaho.
Filed June 3, 1929. Serial No. 284,935. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,606. ATOMIZERS, SYRINGES, AND OTHER DRUGGISTS' Sundries. NARCO DRUG COMPANY, INC., St. Louis, Mo.
Filed May 25, 1929. Serial No. 284,625. PUBLISHED SEPTEMBER 17, 1929. Class 44.

264,607. TRUNKS, SUITCASES, HAND GRIPS, TRAVELING BAGS, BRIEF CASES, PORTABLE CLOTHES CONTAINERS, POCKETBOOKS, PURSES, AND LEATHER ENVELOPES. PHILIP F. HALL INC., New York, N. Y.
Filed May 16, 1929. Serial No. 284,123. PUBLISHED SEPTEMBER 3, 1929. Class 3.

264,608. WARDROBE TRUNKS AND CASES. WHEARY TRUNK COMPANY, Racine, Wis.
Filed May 13, 1929. Serial No. 283,975. PUBLISHED SEPTEMBER 3, 1929. Class 3.

264,609. OLIVE OIL. JOHN WAGNER & SONS, Philadelphia, Pa.
Filed May 3, 1929. Serial No. 283,475. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,610. BREAD. VICTOR J. BARRERE, New Orleans, La.
Filed March 18, 1929. Serial No. 280,872. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,611. BREAKFAST CEREALS. THE NUTRADIET CO., San Francisco, Calif.
Filed February 25, 1929. Serial No. 279,872. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,612. BREAKFAST CEREALS. THE NUTRADIET CO., San Francisco, Calif.
Filed February 25, 1929. Serial No. 279,870. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,613. BREAKFAST CEREALS. THE NUTRADIET CO., San Francisco, Calif.
Filed February 25, 1929. Serial No. 279,867. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,614. HORSE, POULTRY, DAIRY, AND STOCK FEEDS. AUBREY & COMPANY, Louisville, Ky.
Filed February 12, 1929. Serial No. 279,209. PUBLISHED SEPTEMBER 10, 1929. Class 46.

264,615. HORSE, POULTRY, DAIRY, AND STOCK FEEDS. AUBREY & COMPANY, Louisville, Ky.
Filed February 12, 1929. Serial No. 279,208. PUBLISHED SEPTEMBER 17, 1929. Class 46.

264,616. APPARATUS FOR USE IN HAIR WAVING. KERN WAVING COMPANY, INCORPORATED, New York, N. Y.
Filed December 31, 1928. Serial No. 277,430. PUBLISHED SEPTEMBER 17, 1929. Class 44.

264,617. ABRASIVE PAPERS AND CLOTHS. BEHRMANNING CORPORATION, Watervliet, N. Y.
Filed July 19, 1929. Serial No. 287,329. PUBLISHED SEPTEMBER 17, 1929. Class 4.

264,618. ABRASIVE PAPERS AND CLOTHS. BEHRMANNING CORPORATION, Watervliet, N. Y.
Filed July 19, 1929. Serial No. 287,328. PUBLISHED SEPTEMBER 17, 1929. Class 4.

264,619. A CLEANSING AGENT AND LOTION WHICH IS RECOMMENDED FOR LAUNDRY AND OTHER WASHING PURPOSES. GENERAL DYE-STUFF CORPORATION, New York, N. Y.
Filed July 15, 1929. Serial No. 287,132. PUBLISHED SEPTEMBER 10, 1929. Class 4.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

264,620. (CLASS 39. CLOTHING.) MORGAN'S CLOTHES, INC., New York, N. Y. Filed Sept. 14, 1929. Serial No. 289,795.

Morgan's

For Men's and Young Men's Suits, Overcoats, Topcoats, Sports Suits, and Trousers.
Claims use since Sept. 1, 1928.

264,621. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SUPERIOR ZINC CORPORATION, Philadelphia, Pa. Filed Aug. 27, 1929. Serial No. 289,089.

SUPERIOR

For Slab Zinc and Zinc Dust.
Claims use since Aug. 1, 1926.

264,622. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) POOL MFG. CO., Sherman, Tex. Filed Aug. 24, 1929. Serial No. 288,981.

SWETPRUF

For Cotton Cloth in the Piece.
Claims use since July, 1928.

264,623. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UTICA CUTLERY COMPANY, Utica, N. Y. Filed Aug. 16, 1929. Serial No. 288,625.

THE HANDI SET

For Kitchen, Household, and Butcher Knives.
Claims use since about July, 1928.

264,624. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. H. LEE Co., Omaha, Nebr. Filed July 20, 1929. Serial No. 287,415.



For Capsules for Treating Roundworms, Tapeworms, and Pinworms in Poultry.
Claims use since Feb. 10, 1928.

264,625. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ARTHUR B. MILLER, Seattle, Wash. Filed July 2, 1929. Serial No. 286,498.

TIVOLI

For Piano Accordions, Chromatic Accordions, "German-Style" Accordions, Accordion Stands, Cornets, Clarinets, Trumpets, Flutes, Banjos, Piccolos, Mandolins, Bassoons, Guitars, Oboes, Ukuleles, Violins Cellos, Basses, Pianos, Organs, Saxophones, and Drums.
Claims use since June 1, 1928.

264,626. (CLASS 39. CLOTHING.) LACONIA HOSIERY COMPANY, Inc., Laconia, N. H. Filed June 8, 1929. Serial No. 285,279.

Laconia
BRAND

SPEAKS FOR ITSELF

For Hosiery.
Claims use since June, 1923.

264,627. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRADFORD'S LABORATORIES, Nashville, Ark. Filed Apr. 19, 1929. Serial No. 282,634.

BRADFORD'S
ANTI-KOLD

For a Preparation for Colds.
Claims use since Oct. 15, 1928.

264,628. (CLASS 39. CLOTHING.) LOUIS BASKIND & Co., Inc., New York, N. Y. Filed Apr. 9, 1929. Serial No. 282,101.

Sno-Wite

For Men's and Boys' Dress, Negligee, Flannel, and Work Shirts.
Claims use since Aug. 31, 1928.

264,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HILL FOOD PRODUCTS COMPANY, Los Angeles, Calif. Filed Mar. 15, 1929. Serial No. 280,783.

Hill's

For Oleomargarine, Mayonnaise, Thousand Island Dressing, French Dressing, Sandwich Spread, Vegetable Relish, Sweet Pickles, Chowchow, Tomato Catsup, and Peanut Butter.
Claims use since Sept. 13, 1928.

264,630. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GREAT WESTERN STOVE COMPANY, Leavenworth, Kans. Filed Feb. 4, 1929. Serial No. 278,837.

Heat Sealed

For Electric Ranges.
Claims use since Oct. 16, 1928.

264,631. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. D. BOST, Chicago, Ill., assignor to Bost, Inc., Chicago, Ill., a Corporation of Delaware. Filed Dec. 7, 1928. Serial No. 276,402.

BOST

For Tooth Paste.
Claims use since about Aug. 1, 1928.

264,632. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHGATE BROKERAGE Co., Inc., Norfolk, Va. Filed Nov. 3, 1928. Serial No. 274,803.

LYNNHAVEN

For Canned Fruits, Vegetables, Mackerel, and Oysters.
Claims use since Oct. 1, 1928.

264,633. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. B. & R. KNIGHT CORPORATION, Providence, R. I. Filed Nov. 1, 1928. Serial No. 274,657.

MODERNESQUE

For Textiles—Namely, Fabrics Made of Cotton, Wool, Silk, or Rayon or Combinations of Any of These Yarns.
Claims use since about Oct. 8, 1928.

264,634. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE KENDALL COMPANY, doing business as Lewis Manufacturing Company, Walpole, Mass. Filed Oct. 16, 1928. Serial No. 273,871.

HANDI-SPOOL

For Adhesive Tape for Surgical and Similar Uses.
Claims use since on or about Sept. 7, 1928.

264,635. (CLASS 39. CLOTHING.) NEUSTADTER BROS., San Francisco, Calif. Filed Oct. 2, 1928. Serial No. 273,240.

NAIL PROOF

For Men's, Boys', and Youths' Hosiery Made of Cotton, Silk, Wool, and Worsted Rayon and Artificial Silk of All Kinds.
Claims use since Jan. 1, 1928.

264,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE THOMPSON COSGROVE, New Orleans, La. Filed Aug. 13, 1928. Serial No. 270,915.

COSGROVE'S

ORIGINAL

HAIR RESTORER

For a Preparation for Restoring Hair.
Claims use since May 1, 1928.

264,637. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) THE WEIDLICH BROS. M'f'g. Co., Bridgeport, Conn. Filed Apr. 4, 1928. Serial No. 264,338.

DE LUXE

For Gold and Silver Plated Novelties—Namely, Salt and Pepper Sets.
Claims use since Mar. 21, 1928.

264,638. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LOCKE INSULATOR CORPORATION, Baltimore, Md. Filed Mar. 16, 1928. Serial No. 263,273.

LEADHEAD

For Insulator-Supporting Pins.
Claims use since Mar. 1, 1928.

264,639. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BASTIAN-MORLEY Co., doing business as Gas and Electric Heater Co., La Porte, Ind. Filed Feb. 10, 1928. Serial No. 261,478.

Gas and Electric Heater Co.

For Gas Water Heaters.
Claims use since Nov. 26, 1927.

LABELS

REGISTERED NOVEMBER 26, 1929

36,669.—Title: HI-TONE. For Bird Seed. ALBERS BROS. MILLING Co., San Francisco, Calif. Published July 26, 1929.

36,670.—Title: McMILLAN ALL-WOOLS. For Men's Trousers. BEDFORD JOHNSON COMPANY, Inc., New York, N. Y. Published May 1, 1929.

36,671.—Title: ELEPHANT SEAT. For Men's Trousers. BEDFORD JOHNSON COMPANY, Inc., New York, N. Y. Published May 1, 1929.

36,672.—Title: NEW YORKER. For Cigars. BLUM DE LUXE Cigar Co. Inc., New York, N. Y. Published October 1, 1929.

36,673.—Title: BESTWEL SPRING UNITS FOR THE REST OF YOUR LIFE. For Spring Cushions. BURTON-DIXIE CORPORATION, Chicago, Ill. Published August 10, 1929.

36,674.—Title: CALLISONS ROBIN HOOD EVERGREENS. For Evergreens. CALLISONS, INCORPORATED, Shelton and Aberdeen, Wash. Published July 1, 1929.

36,675.—Title: COLGATE'S RIBBON DENTAL CREAM. For Dental Cream. COLGATE-PALMOLIVE-PET COMPANY, Chicago, Ill. Published September 10, 1929.

36,676.—Title: ZEP. For Candy Bar. DORIS DICKINSON, doing business as Comet Candy Company, Los Angeles, Calif. Published September 23, 1929.

36,677.—Title: NESBIN OINTMENT. For Medicinal Ointment. THE DRUG PRODUCTS Co., Inc., Long Island City, N. Y. Published October 16, 1929.

36,678.—Title: 1 GALLON HYPOCHLORITE, CONCENTRATED SODIUM HYPOCHLORITE. For Sodium-Hypochlorite Fluid. GENERAL LABORATORIES, Inc., Madison, Wis. Published October 16, 1929.

36,679.—Title: LUCCA. For Olive Oil. GENOVESE BROS., ZAPPELLI & Co., San Jose, Calif. Published July 1, 1929.

36,680.—Title: DROMEDARY PIMIENTOS. For Pimentos. THE HILLS BROTHERS COMPANY, New York, N. Y. Published October 1, 1929.

36,681.—Title: U-AD-OIL. For Paint in Paste Form. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Published October 1, 1929.

36,682.—Title: COLORADO JOSLYN. For Fresh Apples. CARL W. JOSLYN, doing business as Joslyn Fruit Co., Delta, Colo. Published May 4, 1929.

- 36,683.—Title: AGNEAU CREME. For Face Cream. DR. H. W. LAMB, doing business as Agneau Laboratories, Vineland, N. J. Published September 10, 1929.
- 36,684.—Title: PACKAGE OF THE MONTH. For Candy. THE MASON BOX COMPANY, North Attleboro, Mass. Published October 17, 1929.
- 36,685.—Title: CREAM TOP BREAD. For Bread. OAKLAND BAKING CO., Pontiac, Mich. Published August 1, 1929.
- 36,686.—Title: PACIFIC PRINCE GOLF BALLS. For Golf Balls. PACIFIC GOLF BALL, LTD., San Francisco, Calif. Published July 22, 1929.
- 36,687.—Title: PACIFIC GOLF BALLS. For Golf Balls. PACIFIC GOLF BALL, LTD., San Francisco, Calif. Published May 1, 1929.
- 36,688.—Title: PETERSON'S SALTED MIXED NUTS. For Nuts. THE PETERSON NUT COMPANY, Cleveland, Ohio. Published October 21, 1928.
- 36,689.—Title: PETERSON'S SALTED PECANS. For Nuts. THE PETERSON NUT COMPANY, Cleveland, Ohio. Published June 10, 1929.
- 36,690.—Title: PETERSON'S SALTED ALMONDS. For Nuts. THE PETERSON NUT COMPANY, Cleveland, Ohio. Published June 10, 1929.
- 36,691.—Title: 18-K. For Barley Malt Syrup. PHILADELPHIA MALT EXTRACT COMPANY, Philadelphia, Pa. Published October 3, 1929.
- 36,692.—Title: VARITOSE. For Ampoules of Solution for Treatment of Varicose Veins. PHYSICIANS & HOSPITALS SUPPLY CO., INC., Minneapolis, Minn. Published June 10, 1929.
- 36,693.—Title: POOL. For Fresh Grapes. FRANK M. POOL, INC., Fresno, Calif. Published September 24, 1929.
- 36,694.—Title: CARNATION BREAD. For Bread. RANIER BAKING COMPANY, Seattle, Wash. Published March 15, 1929.
- 36,695.—Title: SANTA MARIA. For Ravioli. SANTA MARIA PACKING CORPORATION, Los Angeles, Calif. Published June 10, 1929.
- 36,696.—Title: BALD BAGLE RANCH. For Fresh Grapes. JOHN SKITTONE, doing business as Skittone Fruit Co., Modesto, Calif. Published September 27, 1929.
- 36,697.—Title: STANDARD HAND SEPARATOR OIL. For Lubricating Oil. STANDARD OIL COMPANY OF CALIFORNIA, San Francisco, Calif., and Wilmington, Del. Published September 23, 1929.
- 36,698.—Title: CALOL LIQUID GLOSS. For Polish. STANDARD OIL COMPANY OF CALIFORNIA, San Francisco, Calif., and Wilmington, Del. Published September 19, 1929.
- 36,699.—Title: KLENZOL. For Preparation for Cleaning Clothes. F. O. THOMPSON, doing business as F. O. Thompson & Co., Brainerd, Minn. Published July 1, 1929.
- 36,700.—Title: STANARD HEADWEAR. For Caps. TRADE LITHOGRAPH & PRINTING COMPANY, INC., New York, N. Y. Published May 1, 1929.
- 36,701.—Title: MANHATTAN TAILORED CAPS. For Caps. TRADE LITHOGRAPH & PRINTING COMPANY, INC., New York, N. Y. Published May 1, 1929.
- 36,702.—Title: ROYAL FLUSH CAPS ROYAL FLUSH HATS. For Caps and Hats. TRADE LITHOGRAPH & PRINTING COMPANY, INC., doing business as Trade Lithograph Co. Inc., New York, N. Y. Published July 1, 1929.
- 36,703.—Title: ROYAL FLUSH CAPS. For Caps. TRADE LITHOGRAPH & PRINTING COMPANY, INC., New York, N. Y. Published July 1, 1929.
- 36,704.—Title: THE BOY'S HEADWEAR MADE BY DUBOIS OF NEW YORK. For Caps. TRADE LITHOGRAPH & PRINTING COMPANY, INC., New York, N. Y. Published February 1, 1929.
- 36,705.—Title: PLANET CAPS COVER THE WORLD. For Caps. TRADE LITHOGRAPH & PRINTING COMPANY, INC., New York, N. Y. Published May 17, 1929.
- 36,706.—Title: DEAD SHOT. For Insecticide. TRAGER MANUFACTURING CO., INC., Scranton, Pa. Published October 1, 1929.
- 36,707.—Title: THE VOICE OF ACTION. For Sound systems. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Published March 11, 1929.

PRINTS

REGISTERED NOVEMBER 26, 1929

- 12,223.—Title: DRI-CLE, DAWN OF SUCCESSFUL HOME DRY CLEANING. For Dri-cle, Soap Preparations Used in the Dry Cleaning of Garments and Materials. DRI-CLE COMPANY, Chicago, Ill. Published October 19, 1929.
- 12,224.—Title: WHEN TWICE DAILY. For Tooth Paste. FORHAN COMPANY, New York, N. Y. Published September 30, 1929.
- 12,225.—Title: WHO EVERYBODY. For Tooth Paste. FORHAN COMPANY, New York, N. Y. Published September 30, 1929.
- 12,226.—Title: USE FORHAN'S ANTISEPTIC. For Mouth Wash. FORHAN COMPANY, New York, N. Y. Published September 30, 1929.
- 12,227.—Title: OAKLAND FARM GREYHOUNDS. For Greyhounds. GEORGE WILLIAM HEINTZ, Hamilton, Ohio. Published July 30, 1929.
- 12,228.—Title: JAX. For Lager brew. JACKSON BREWING COMPANY, New Orleans, La. Published July 15, 1929.
- 12,229.—Title: HERE'S A NEW COLOR NOTE IN NASHUA PART WOOL BLANKETS. For Blankets. NASHUA MANUFACTURING COMPANY, Nashua, N. H. Published October 20, 1929.
- 12,230.—Title: WHAT COLOR DOMINATES YOUR ROOM. For Blankets. NASHUA MANUFACTURING COMPANY, Nashua, N. H. Published September 20, 1929.
- 12,231.—Title: COLOR FOR THE BEDROOM. For Blankets. NASHUA MANUFACTURING COMPANY, Nashua, N. H. Published September 20, 1929.
- 12,232.—Title: GUARANTEED INDESTRUCTIBLE. For Imitation Pearls. PARAMOUNT DISTRIBUTORS, Chicago, Ill. Published August 23, 1929.
- 12,233.—Title: MAKE A POINT TO KEEP TAB ON YOUR BREATH. For Medicated Tablet. ROY PAULEY, doing business as Tab Products Co., Schenectady, N. Y. Published September 24, 1929.
- 12,234.—Title: METAL MASTER. For Welding and Cutting Equipment and Supplies. PUNOX COMPANY, Denver, Colo. Published February 2, 1928.
- 12,235.—Title: THE MONARCH WAY. For Groceries. REID, MURDOCH & CO., Chicago, Ill. Published September 23, 1929.
- 12,236.—Title: A SONATRON LIFE TEST. For Radio Tubes. SONATRON TUBE COMPANY, Chicago, Ill. Published May 6, 1929.

REISSUES

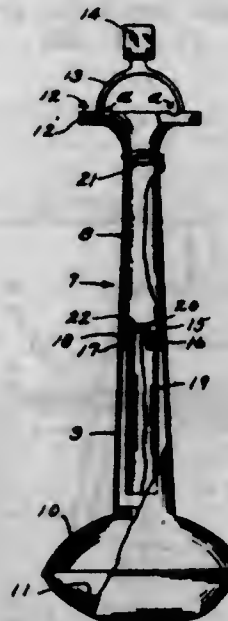
NOVEMBER 26, 1929

- 17,499. POPPET VALVE. RICHARD E. BISSELL, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 26, 1929. Serial No. 335,333. Original No. 1,615,211, dated Jan. 25, 1927, Serial No. 126,353, filed Aug. 2, 1926. 8 Claims. (Cl. 123—188.)



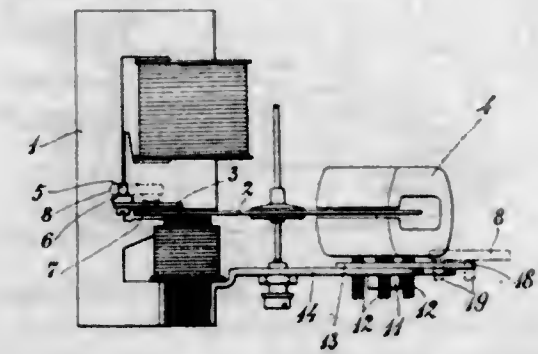
1. As an article of manufacture, a valve head provided with a tapered seat and an insert having a greater coefficient of expansion than the main body of the head, adapted to compensate for the extension of the valve stem due to increasing temperatures.

- 17,500. SMOKER'S STAND. ROBERT J. STEVENSON, Los Angeles, and HAYWARD T. COLBY, deceased, Los Angeles, Calif., by Lura B. Colby, administratrix, Los Angeles, Calif., assignors, by mesne assignments, to Smokador Manufacturing Co., Inc., Bloomfield, N. J., a Corporation of New Jersey. Filed June 8, 1929. Serial No. 369,357. Original No. 1,660,771, dated Feb. 28, 1928, Serial No. 748,946, filed Nov. 10, 1924. 14 Claims. (Cl. 181—51.)



11. A receiver for smoker's waste comprising in combination, an elongated, upright, waste-conducting tube having at its upper end an enlarged head adapted to receive waste and lead it into said tube through a waste passage of relatively small diameter compared with the length of said tube, a waste receiving receptacle for receiving waste from the lower end of said tube, means for detachably holding said receptacle to said tube in waste receiving relation to said tube, and means for supporting said receiver with said receptacle off the floor.

- 17,501. METER-REGULATING DEVICE. ADOLF PETER, Zug, Switzerland, assignor to Landis & Gyr S. A., Zug, Switzerland, a Firm of Switzerland. Filed Sept. 10, 1929. Serial No. 391,617. Original No. 1,708,894, dated Apr. 9, 1929, Serial No. 12,187, filed Feb. 27, 1925, and in Switzerland Mar. 8, 1924. 3 Claims. (Cl. 171—34.)



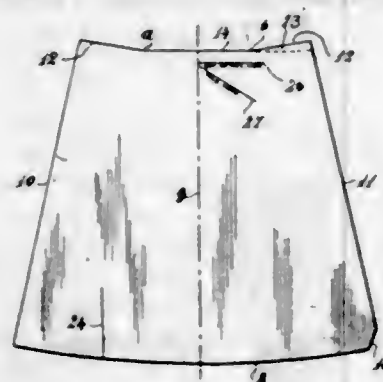
2. In an induction meter, the combination of a magnet supporting bracket, a brake magnet pivotally mounted on the bracket by a screw, a plate mounted on the bracket by means of the magnet-mounting screw and a plurality of adjusting screws mounted on the plate and pressing against the magnet, thereby permitting adjustment of the magnet in all directions.

- 17,502. METHOD OF PREVENTING EYE FATIGUE. ALBERT B. HURLEY, New York, N. Y., assignor, by mesne assignments, to National Paper Process Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1929. Serial No. 341,853. Original No. 1,659,952, dated Feb. 21, 1928, Serial No. 43,880, filed July 15, 1925. 5 Claims. (Cl. 88—1.)



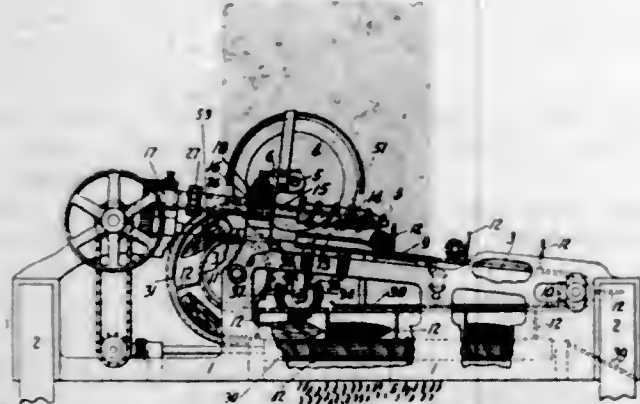
3. The method of producing a non-glare background or surface which consists in dividing the area of the same into a multiplicity of uniformly distributed circumscribed figures, approximately equal in area applying a filter to absorb some of the longer waves from a uniformly distributed number of said circumscribed figures, leaving the other uniformly distributed areas normal, so as to produce a uniformly distributed neutral tint mingled with uniformly distributed pure white light undiluted by the tint, said figures individually being of such dimensions as to be individually invisible at the distance viewed, whereby the effect of uniformly distributed pure white light is obtained over the entire background.

17,503. DIED-OUT BLANK FOR RECEPTACLES. RODOLPHE R. REILLY, Roslyn, N. Y., assignor, by mesne assignments, to Sealed Containers Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 4, 1929. Serial No. 352,590. Original No. 1,623,269, dated Apr. 5, 1927. Serial No. 729,034, filed July 30, 1924. 5 Claims. (Cl. 229-1.5.)



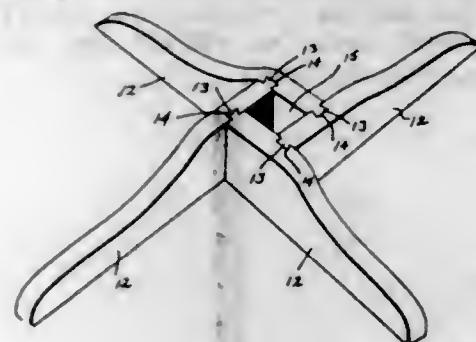
1. As an article of manufacture, a receptacle blank of quadrilateral form having one end of arcuate shape the center of the curve of which lies in a line extending vertical to said end, with the opposite sides of the blank converging from said arcuate shaped end, and the opposite end of the blank having an intermediate portion and opposite end portions extending outward from and at an obtuse angle to said intermediate portion and terminating at the sides, said intermediate portion being equal to one side of the receptacle at the upper end.

17,504. CORN-HUSKING MACHINE. WILLIAM W. MORRAL, Morral, Ohio, assignor of one-half to Samuel E. Morral, Morral, Ohio. Filed Apr. 27, 1929. Serial No. 358,741. Original No. 1,628,325, dated May 10, 1927. Serial No. 83,173, filed Jan. 23, 1926. 52 Claims. (Cl. 130-5.)



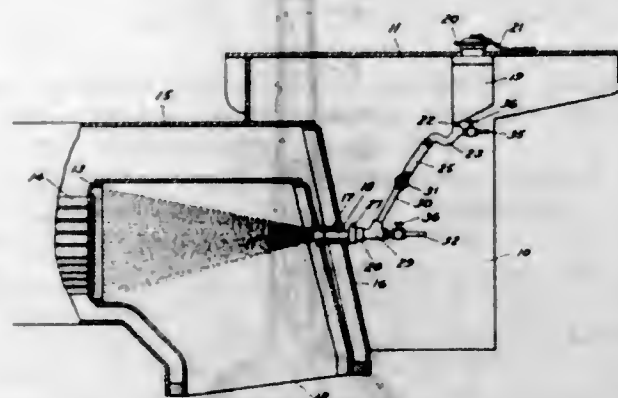
34. In a corn husking machine, a pair of husking rollers arranged lengthwise of said machine, a second pair of husking rollers arranged in advance of and extending transversely to said longitudinal husking rollers, and means for moving ears of corn over said transverse husking rollers to said longitudinal husking rollers.

17,505. HOLDER FOR CHRISTMAS TREES, ETC. WILFRED A. FINNEGAN, Bangor, Me. Filed May 27, 1929. Serial No. 366,386. Original No. 1,706,223, dated Mar. 19, 1929. Serial No. 272,737, filed Apr. 25, 1928. 1 Claim. (Cl. 248-38.)



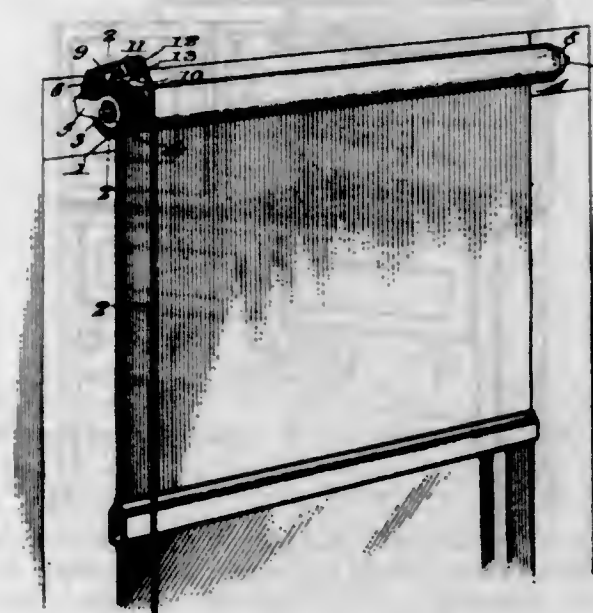
A socketed and braced holder composed of a plurality of duplicate oblong members, each having a tenon at one end and in one side a pocket located between a relatively short socket wall portion and a longer brace portion of said member, the tenons and pockets being slidably interengaged and vertically arranged when the holder is in use, the arrangement being such that any inclination of a supported article from a vertical position causes the contacting faces of the tenons and pockets to bind on each other and prevent slipping of the pocket faces on the tenon faces, so that the holder is maintained in an operative condition, under all conditions of use, the tenons being freely slidable out of the pockets when no binding pressure is exerted thereon.

17,506. FLUE SANDER. GEORGE ALTIMARI and JOHN ALONZO CAMPBELL, Parsons, Kans., assignors to E. H. Baker and M. H. Baker, Davenport, Iowa. Filed Jan. 10, 1929. Serial No. 331,623. Original No. 1,613,638, dated Jan. 11, 1927. Serial No. 106,769, filed May 4, 1926. 5 Claims. (Cl. 122-395.)



1. The combination with a locomotive including a cab, a tube type boiler and a fire box, of a sander nozzle mounted in the back head of the boiler and adapted to discharge sand over the face of the flue plate, a sand hopper mounted in the roof of the cab and having a filling opening arranged above the roof, a sand line connecting the hopper and the nozzle, and an air line discharging through the nozzle.

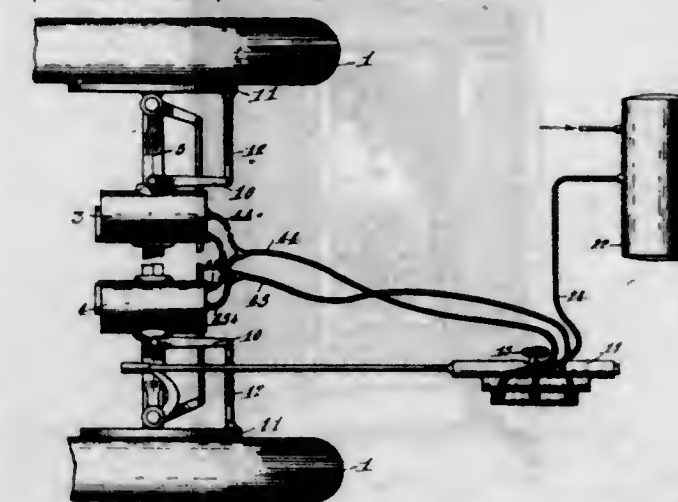
17,507. CURTAIN-SHADE ROLLER. CECIL A. DANIEL, Greensboro, N. C., assignor to Cunningham Springless Shade Company, Greensboro, N. C., a Corporation of North Carolina. Filed Aug. 1, 1925. Serial No. 47,637. Original application filed Feb. 8, 1919. Serial No. 275,778. Renewed June 15, 1921. Serial No. 477,864. Original No. 1,404,837, dated Jan. 31, 1922. 3 Claims. (Cl. 156-28.)



3. The combination with a curtain shade roller and a curtain shade and cord, said shade and cord secured to and adapted to wind thereon in opposite directions, of a bracket or fixture forming a bearing for the roller and a guide for the cord, and rotatable means carried by the bracket to which the cord extends directly from the roller, and between which and the bracket the cord passes and is adapted to be pinched when directed laterally to a predetermined position thereon, the cord being free and

disconnected from the point where it leaves the rotatable means, so that its manipulation is at all times entirely within the control of the operator.

17,508. POWER STEERING APPARATUS. WALTER GEHRIG, Detroit, Mich. Filed Feb. 15, 1928. Serial No. 254,595. Original No. 1,647,404, dated Nov. 1, 1927. Serial No. 83,404, filed Jan. 23, 1926. 9 Claims. (Cl. 180-79.2.)



1. In a power steering apparatus, the combination with a motive fluid supply and a fluid motor connected with the steered part, of a fluid controlling device comprising a pair of valve cylinders, partitions dividing each of said valve cylinders into a primary and secondary compartment, a valve in each primary compartment, operative connection between the primary valves and the manual operated steering mechanism, a secondary valve in each secondary compartment and engageable by the primary valve in the same valve cylinder, conduits connecting the primary compartments with the motive fluid supply, exhaust means associated with the secondary compartments, conduits in fluid connection with the fluid motor at one end and with the primary valve of one valve cylinder and the secondary valve of the other valve cylinder at the other ends.

DESIGNS

NOVEMBER 26, 1929

79,951. RADIOCABINET. FRANK C. BURTON, Chicago, Ill., assignor to Grigsby-Grunow Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1929. Serial No. 30,051. Term of patent 7 years.

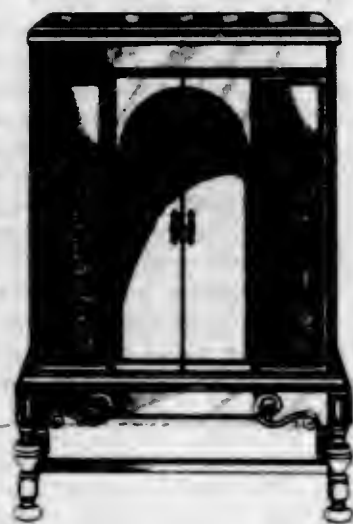


79,951—Continued



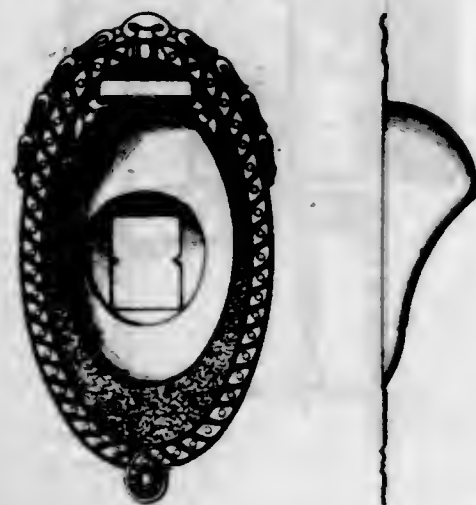
The ornamental design for a radiocabinet as shown.

79,952. COMBINATION RADIO AND PHONOGRAPH CABINET. FRANK C. BURTON, Chicago, Ill., assignor to Grigsby-Grunow Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1929. Serial No. 30,052. Term of patent 7 years.



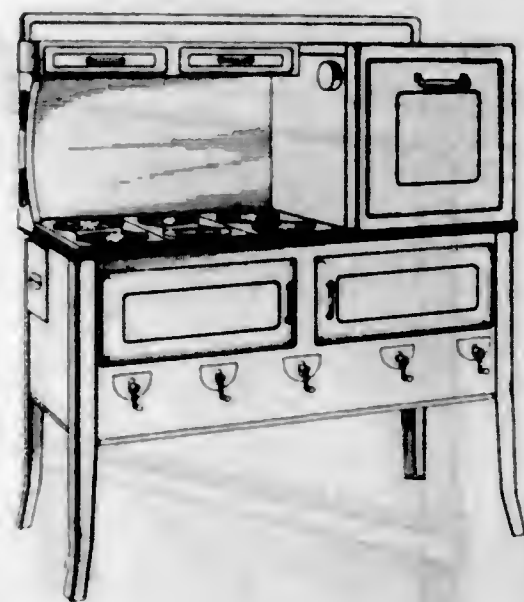
The ornamental design for a combination radio and phonograph cabinet as shown.

79,953. ESCUTCHEON PLATE FOR RADIORECEIVER. FRANK C. BURTON, Chicago, Ill., assignor to Grigsby-Grunow Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1929. Serial No. 30,053. Term of patent 7 years.



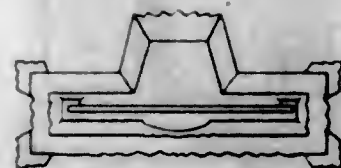
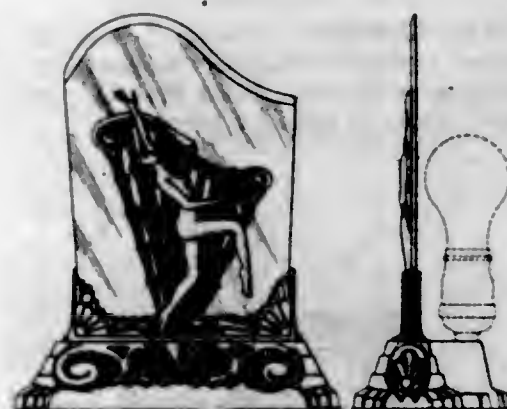
The ornamental design for an escutcheon plate for radioreceiver substantially as shown.

79,954. COOKING RANGE. WILLIAM L. COOPER, Kankakee, Ill. Filed Sept. 13, 1929. Serial No. 32,746. Term of patent 14 years.



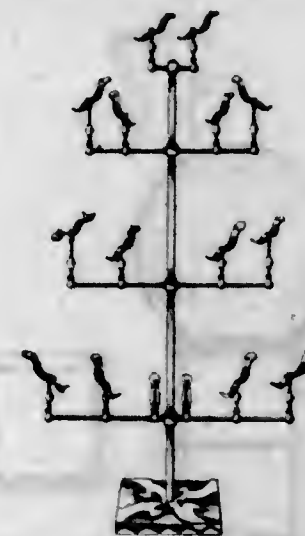
The ornamental design for a cooking range, as shown.

79,955. LAMP OR ANALOGOUS ARTICLE. PAUL CRICCHIO, New York, N. Y., assignor to Majestic Lamp Works, New York, N. Y., a Partnership consisting of Philip Silverhartz, Jacob Silberhartz, and Harry Schelner, Brooklyn, N. Y. Filed Sept. 27, 1929. Serial No. 32,888. Term of patent 3 1/2 years.



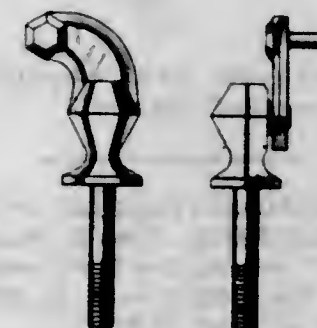
The ornamental design for a lamp or analogous article substantially as shown.

79,956. SHOE-DISPLAY STAND. MARY E. CUSICK, Pittsburgh, Pa. Filed Aug. 29, 1929. Serial No. 32,598. Term of patent 7 years.



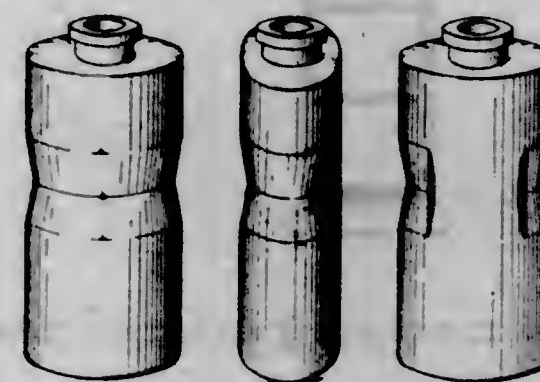
The ornamental design for a shoe display stand as shown.

79,957. TOILET-SEAT HINGE. HOWARD P. DE CORREVONT, Chicago, Ill., assignor to The Brunswick-Balke-Coller Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 17, 1928. Serial No. 29,302. Term of patent 14 years.



The ornamental design for a toilet-seat hinge as shown.

79,958. BOTTLE. MAGGY BESANCON DE WAGNER, Paris, France, assignor to Lenthier, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 23, 1929. Serial No. 32,518. Term of patent 14 years.



The ornamental design for a bottle substantially as shown.

79,959. RADIOTABLE. ARTHUR GOMMESEN, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 29, 1929. Serial No. 32,609. Term of patent 7 years.



The ornamental design for a radio table, as shown.

79,960. RADIOTABLE. ARTHUR GOMMESEN, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 29, 1929. Serial No. 32,610. Term of patent 7 years.



The ornamental design for a radio table, as shown.

79,961. RADIOTABLE. ARTHUR GOMMESEN, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 29, 1929. Serial No. 32,611. Term of patent 7 years.



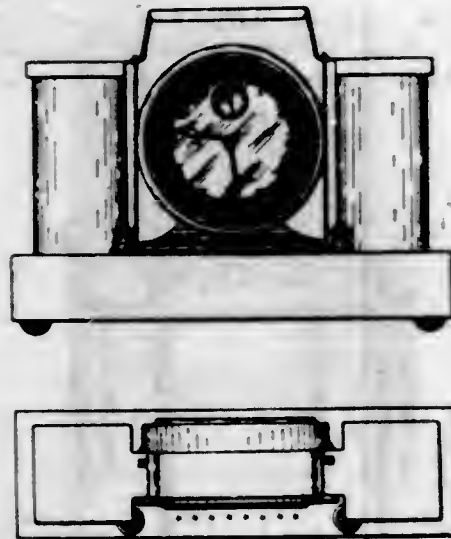
The ornamental design for a radio table, as shown.

79,962. RADIOTABLE. ARTHUR GOMMSEN, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 29, 1929. Serial No. 32,612. Term of patent 7 years.



The ornamental design for a radio table, as shown.

79,963. CLOCK CASING. WALLACE O. GOULD, Brunswick, Me. Filed Mar. 18, 1929. Serial No. 30,506. Term of patent 3½ years.



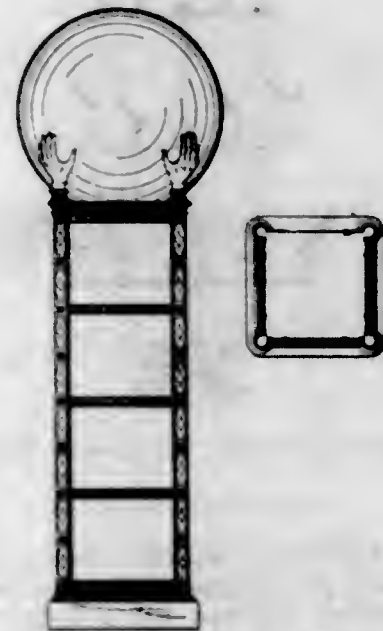
The ornamental design for a clock casing, as shown.

79,964. LAMP. DAVID B. HANNA, Park Ridge, Ill., assignor to American Concrete Products Co., a Corporation of Illinois. Filed Dec. 31, 1928. Serial No. 29,463. Term of patent 7 years.



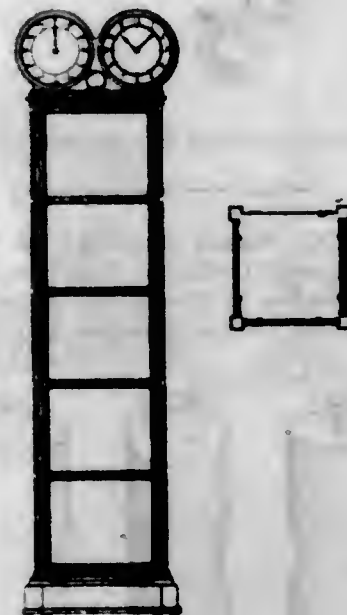
The ornamental design for a lamp as shown.

79,965. ADVERTISING COLUMN. JOHN B. HOLTZ, Los Angeles, Calif., assignor to Invention Development Corporation, Carson City, Nev. Filed Sept. 9, 1929. Serial No. 32,700. Term of patent 14 years.



The ornamental design for an advertising column, substantially as shown and described.

79,966. ADVERTISING PEDESTAL FOR CLOCK AND WEIGHING MACHINE. JOHN B. HOLTZ, Los Angeles, Calif., assignor to Invention Development Corporation, Carson City, Nev. Filed Sept. 9, 1929. Serial No. 32,701. Term of patent 14 years.



The ornamental design for an advertising pedestal for clock and weighing machine, substantially as shown and described.

79,967. EYEGLASS MOUNTING. PAUL H. JOHNSTON, Davenport, Iowa. Filed Aug. 6, 1928. Serial No. 27,782. Term of patent 7 years.



The ornamental design for an eye-glass mounting, as shown.

79,968. DISPLAY DRESS AND COAT HANGER. WILLIAM EVANS KERRON, San Francisco, Calif. Filed Aug. 26, 1929. Serial No. 32,538. Term of patent 14 years.



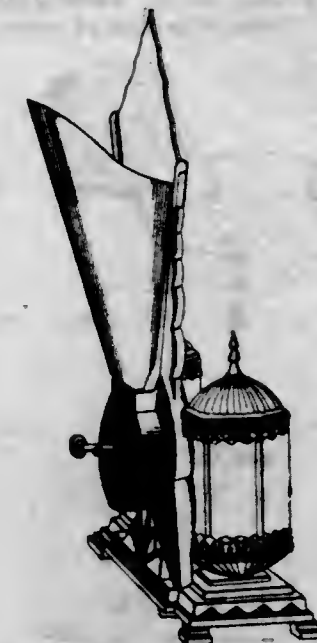
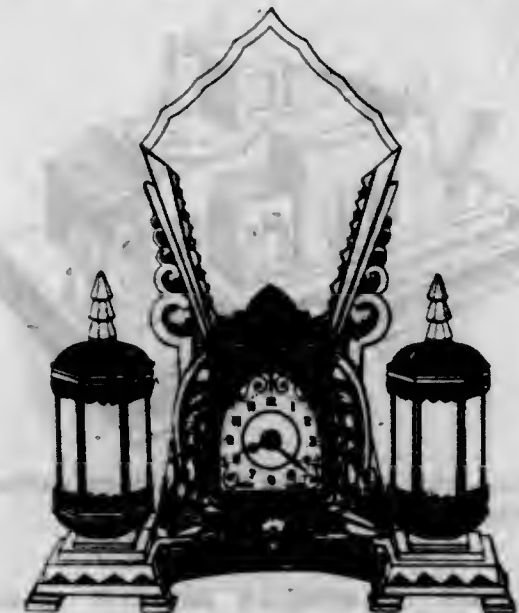
The ornamental design for a display dress and coat hanger as shown.

79,969. DISPLAY DRESS AND COAT HANGER. WILLIAM EVANS KERRON, San Francisco, Calif. Filed Aug. 26, 1929. Serial No. 32,539. Term of patent 14 years.



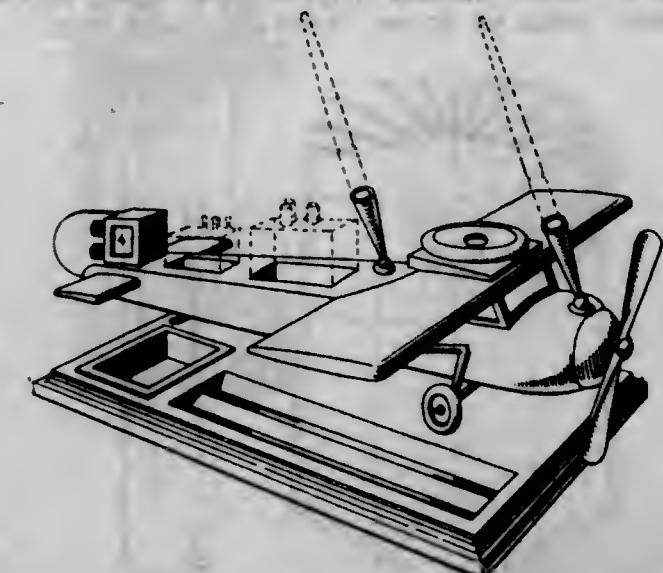
The ornamental design for a display dress and coat hanger as shown.

79,970. COMBINED LIGHTING FIXTURE AND STAND. MICHAEL KIWAD, New York, and SAM THAU, Brooklyn, N. Y., assignors to Metropolitan Lamp Co., Inc., New York, N. Y., a Corporation of New York. Filed June 17, 1929. Serial No. 31,739. Term of patent 3½ years.



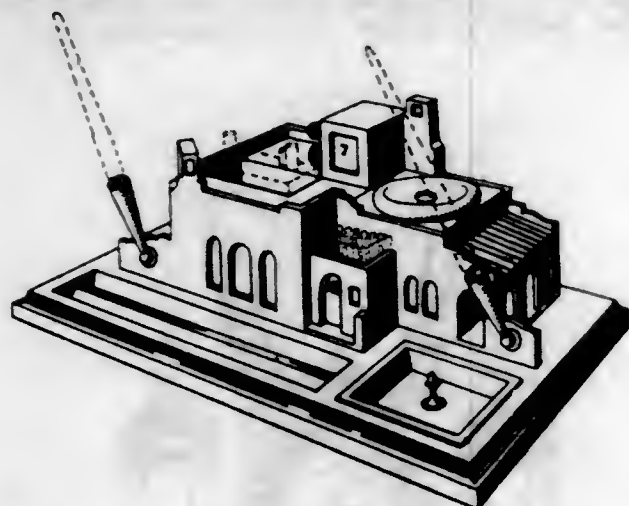
The ornamental design for a combined lighting fixture and stand substantially as shown and described.

79,971. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,606. Term of patent 14 years.



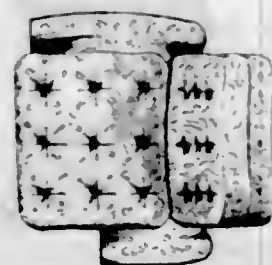
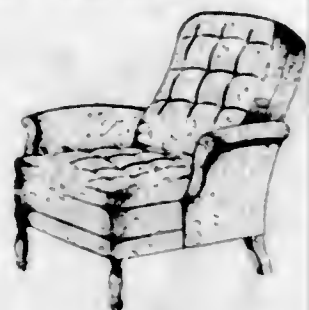
The ornamental design for a combined writing and smoking stand, as shown.

79,972. COMBINED WRITING AND SMOKING STAND. BERT G. LARRABEE, Houston, Tex. Filed Aug. 29, 1929. Serial No. 32,607. Term of patent 14 years.



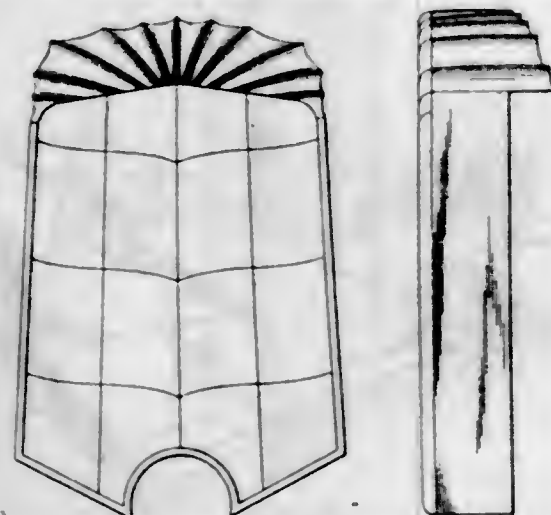
The ornamental design for a combined writing and smoking stand, as shown.

79,973. CHAIR OR SIMILAR ARTICLE. SAMUEL I. LEVINSON, Jersey City, N. J. Filed July 5, 1929. Serial No. 31,936. Term of patent 14 years.



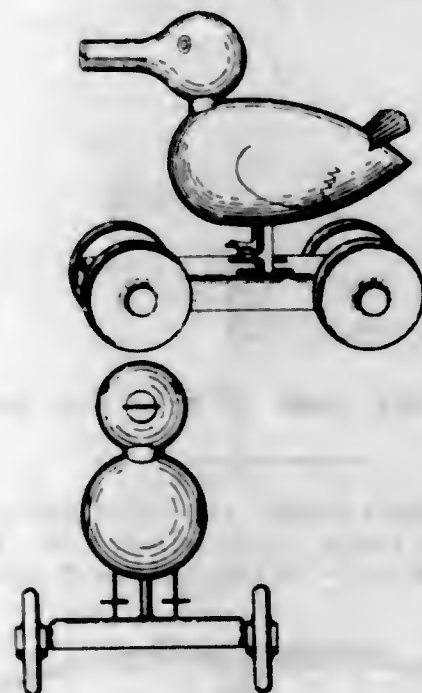
The ornamental design for a chair or similar article, as shown.

79,974. RADIATOR FOR AN AUTOMOBILE. RAYMOND G. F. LOEWY, Jackson Heights, N. Y. Filed July 9, 1928. Serial No. 27,423. Term of patent 7 years.



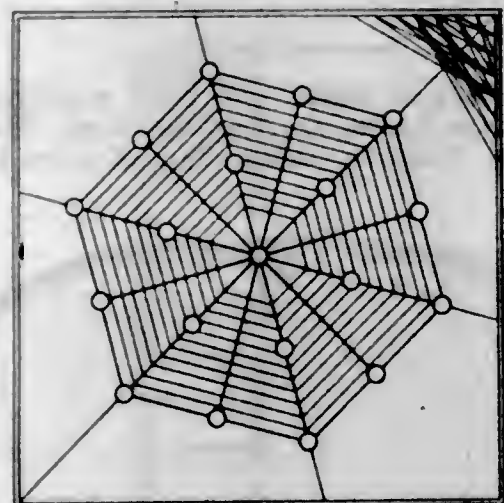
The ornamental design for a radiator for an automobile as shown.

79,975. TOY OR SIMILAR ARTICLE. DONALD H. MACBRIDE, Lapeer, Mich., assignor, by mesne assignments, to International Toy Corporation, New Bedford, Mass., a Corporation of Massachusetts. Filed June 25, 1927. Serial No. 22,558. Term of patent 14 years.



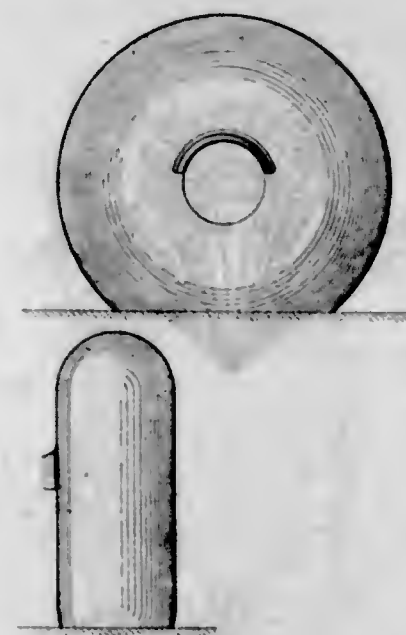
The ornamental design for a toy or similar article, substantially as shown.

79,976. GAME BOARD. CHARLES W. MORGAN, Chicago, Ill. Filed May 29, 1929. Serial No. 31,450. Term of patent 7 years.



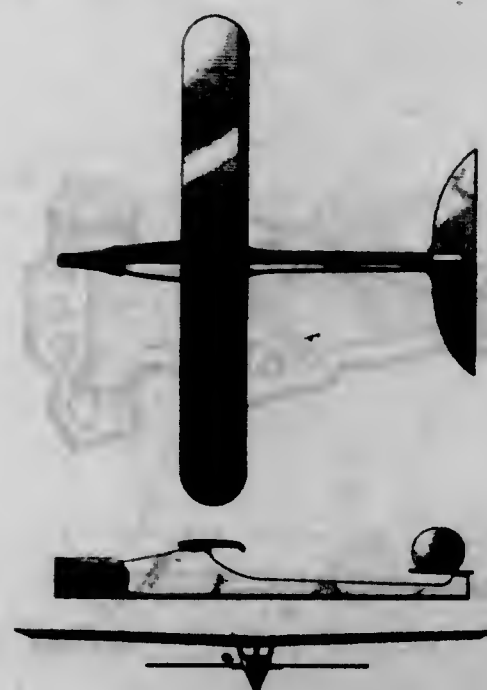
The ornamental design for a game board, substantially as shown.

79,977. BUILDING. GLEN MUNDWILER, Toledo, Ohio. Filed June 26, 1929. Serial No. 31,837. Term of patent 3 1/2 years.



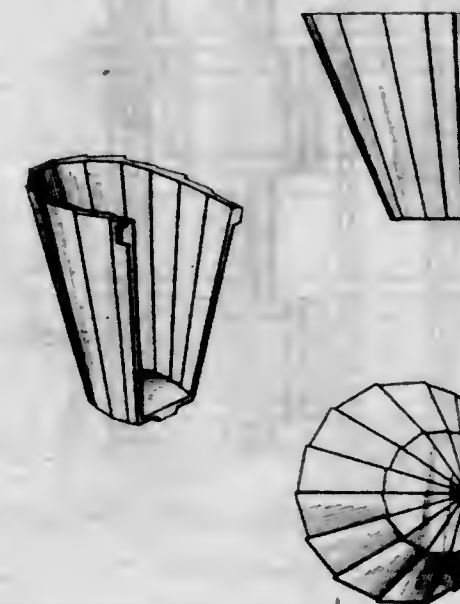
The ornamental design for a building, substantially as shown and described.

79,978. TOY GLIDER. ANDREW A. O'BRIEN, Los Angeles, Calif. Filed May 25, 1929. Serial No. 31,409. Term of patent 7 years.



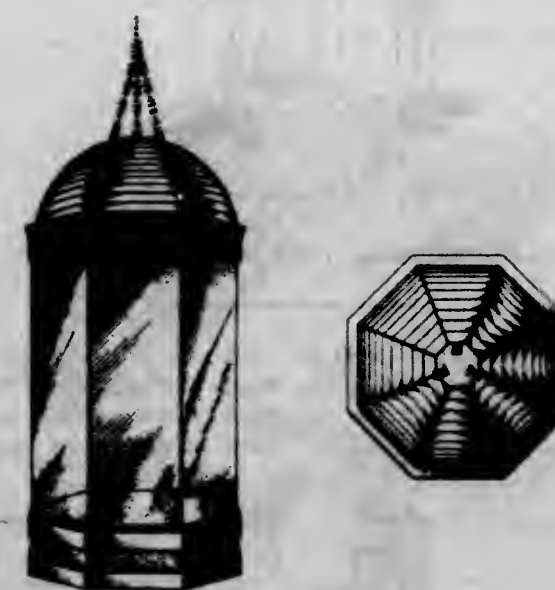
The ornamental design for a toy glider as shown.

79,979. LIGHTING-FIXTURE SHADE. ALBERT J. D. OHM, Oak Park, Ill., assignor, by mesne assignments, to Beardslee Chandelier Manufacturing Co., Chicago, Ill., a Corporation of Delaware. Filed Sept. 7, 1928. Serial No. 28,063. Term of patent 7 years.



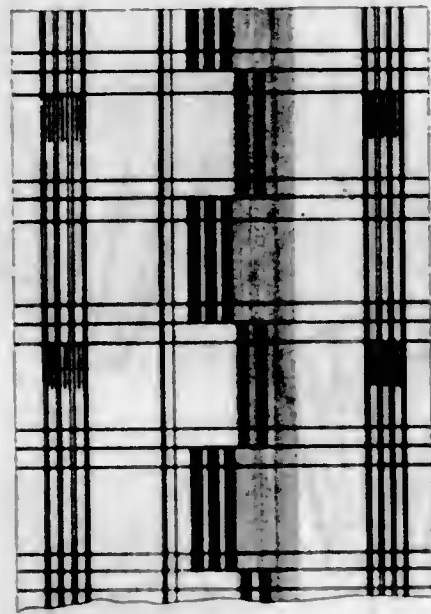
The ornamental design for a lighting fixture shade, as shown.

79,980. DISPLAY CABINET. ISRAEL P. PEARLMAN, Providence, R. I. Filed Jan. 30, 1929. Serial No. 29,842. Term of patent 14 years.



The ornamental design for a display cabinet substantially as shown.

79,981. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 26, 1929. Serial No. 32,542. Term of patent 3½ years.



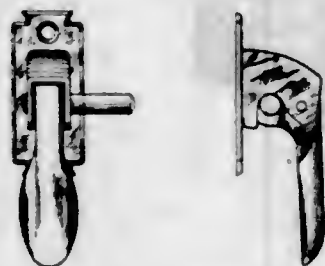
The ornamental design for a textile fabric as shown.

79,982. DOORSTOP. ROSA MAY PICKARD, Wilmette, Ill. Filed Sept. 9, 1929. Serial No. 32,705. Term of patent 7 years.



The ornamental design for a doorstop as shown.

79,983. CABINET CATCH. HORACE H. RAYMOND, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 1, 1929. Serial No. 30,268. Term of patent 14 years.



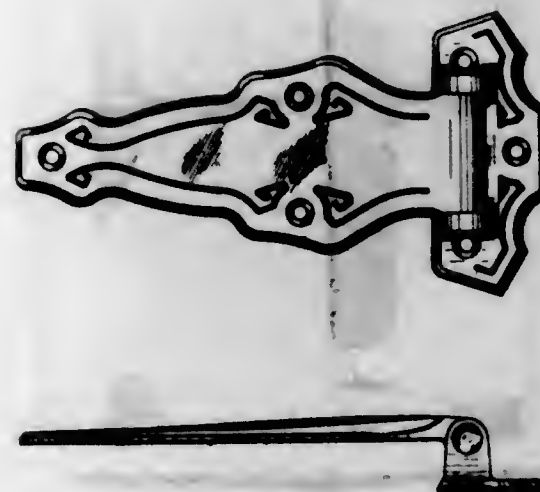
The ornamental design for a cabinet catch, as shown.

79,984. CEILING-LIGHT FIXTURE. CHARLES RICHTER, Mount Vernon, N. Y., assignor to Chatham Metal Spinning and Stamping Corporation, a Corporation of New York. Filed May 18, 1929. Serial No. 31,289. Term of patent 3½ years.



The ornamental design for a ceiling light fixture substantially as shown.

79,985. HINGE. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 28, 1929. Serial No. 32,577. Term of patent 3½ years.



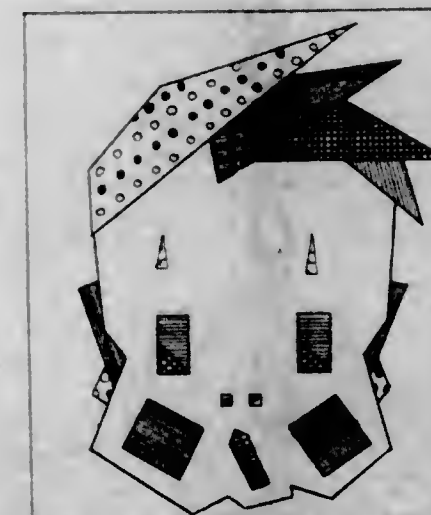
The ornamental design for a hinge substantially as shown.

79,986. LIGHTING-FIXTURE STREAMER OR ARTICLE OF ANALOGOUS NATURE. MARTIN S. ROTELINI, Brooklyn, N. Y., assignor to Halcolite Company, Inc., a Corporation of New York. Filed Sept. 25, 1929. Serial No. 32,864. Term of patent 7 years.



The ornamental design for a lighting fixture streamer or article of analogous nature substantially as shown.

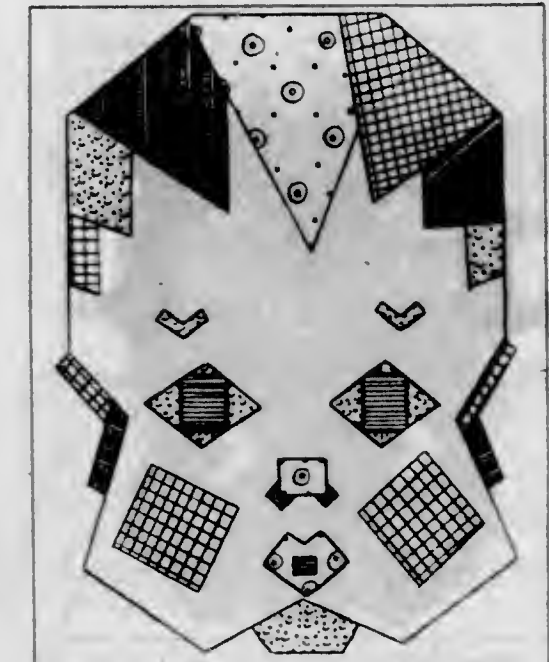
79,987. TEXTILE FABRIC OR ARTICLE OF SIMILAR NATURE. GRACE SELMA SAUER, New York, N. Y. Filed Oct. 31, 1927. Serial No. 23,954. Term of patent 3½ years.



The ornamental design for a textile fabric or article of similar nature, as shown.

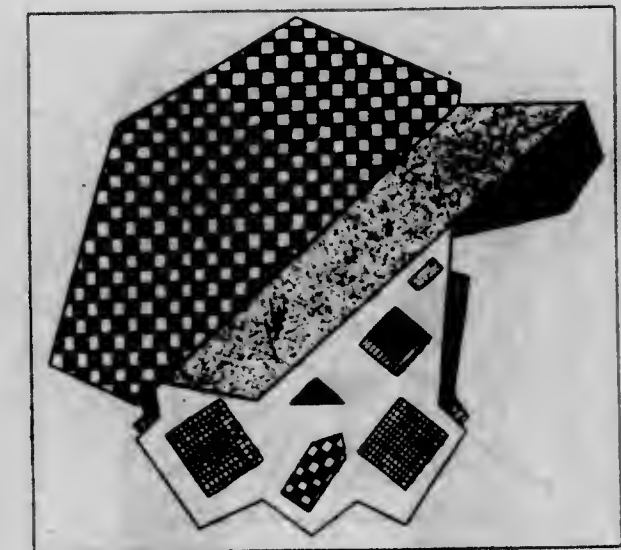
388 O. G.—55

79,988. TEXTILE FABRIC OR ARTICLE OF SIMILAR NATURE. GRACE SELMA SAUER, New York, N. Y. Filed Oct. 31, 1927. Serial No. 23,955. Term of patent 3½ years.



The ornamental design for a textile fabric or article of similar nature, as shown.

79,989. TEXTILE FABRIC OR ARTICLE OF SIMILAR NATURE. GRACE SELMA SAUER, New York, N. Y. Filed Oct. 31, 1927. Serial No. 23,956. Term of patent 3½ years.



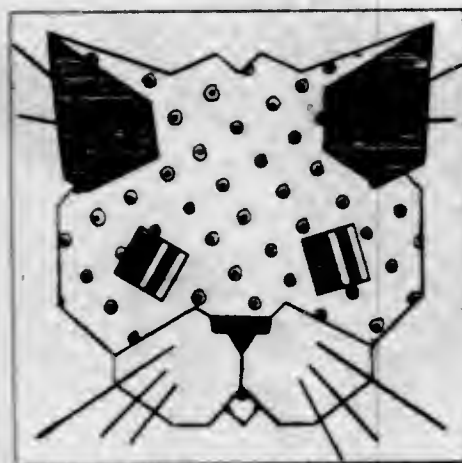
The ornamental design for a textile fabric or article of similar nature, as shown.

79,990. TEXTILE FABRIC OR ARTICLE OF SIMILAR NATURE. GRACE SELMA SAUER, New York, N. Y. Filed Oct. 31, 1927. Serial No. 23,957. Term of patent $3\frac{1}{2}$ years.



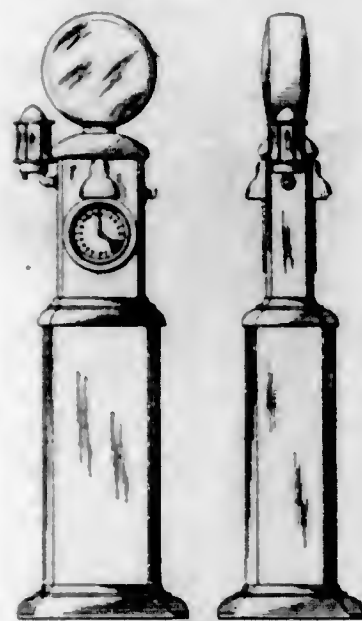
The ornamental design for a textile fabric or article of similar nature, as shown.

79,991. TEXTILE FABRIC OR ARTICLE OF SIMILAR NATURE. GRACE SELMA SAUER, New York, N. Y. Filed Oct. 31, 1927. Serial No. 23,958. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric or article of similar nature, as shown.

79,992. GASOLINE-PUMP CASING. RUDOLPH L. SCHWARTZ and WILLIAM PAUL MARTIN, Buffalo, N. Y. Filed Feb. 6, 1929. Serial No. 29,965. Term of patent 14 years.



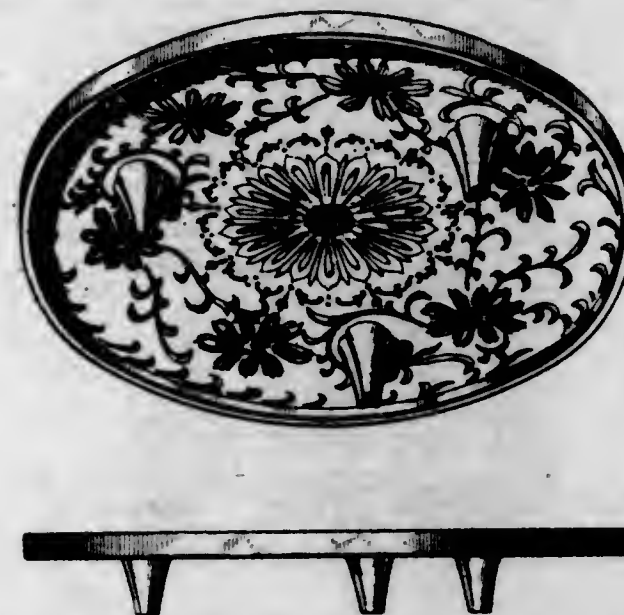
The ornamental design for a gasoline pump casing as shown.

79,993. STRIP OF WEBBING OR SIMILAR MATERIAL. ANDREW SHIELDS, Hamden, Conn., assignor to The American Mills Company, Waterbury, Conn., a Corporation. Filed Sept. 3, 1929. Serial No. 32,658. Term of patent $3\frac{1}{2}$ years.



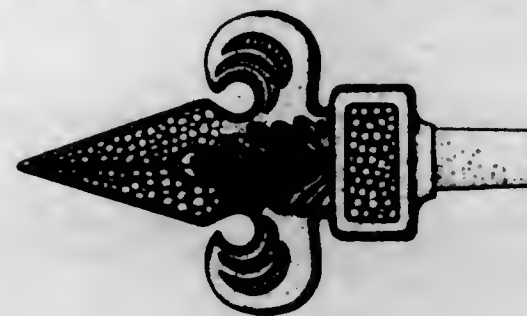
The ornamental design for a strip of webbing or similar material as shown.

79,994. CAKE PLATE OR SIMILAR ARTICLE. EDWIN E. SLICK, Pittsburgh, Pa. Filed Aug. 28, 1929. Serial No. 32,587. Term of patent 14 years.



The ornamental design for a cake plate or similar article, substantially as shown.

79,995. END ORNAMENT FOR DRAPERY RODS OR THE LIKE. WALTER E. SMITH, Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I., a Corporation of Rhode Island. Filed July 10, 1929. Serial No. 31,986. Term of patent 7 years.



The ornamental design for an end ornament for drapery rods or the like, as shown.

79,996. CENTER ORNAMENT FOR DRAPERY RODS OR THE LIKE. WALTER E. SMITH, Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I., a Corporation of Rhode Island. Filed July 10, 1929. Serial No. 31,988. Term of patent 7 years.



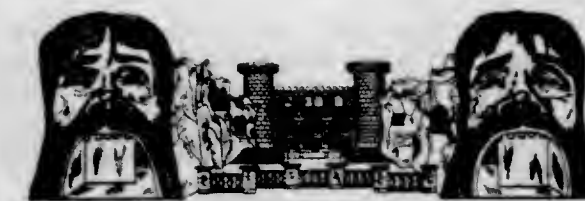
The ornamental design for a center ornament for drapery rods or the like, as shown.

79,997. CENTER ORNAMENT FOR DRAPERY RODS OR THE LIKE. WALTER E. SMITH, Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I., a Corporation of Rhode Island. Filed July 10, 1929. Serial No. 31,989. Term of patent 7 years.



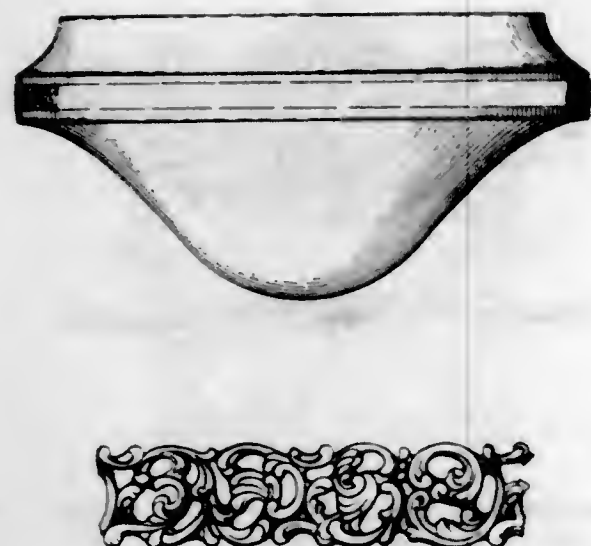
The ornamental design for a center ornament for drapery rods or the like, as shown.

79,998. AMUSEMENT HOUSE. FRANK THOMAS, Indianapolis, Ind. Filed Nov. 12, 1926. Serial No. 19,693. Term of patent 14 years.



The ornamental design for an amusement house, as shown.

79,999. BOWL FOR INDIRECT-LIGHTING FIXTURES. EDWIN D. TILLSON, Evanston, Ill., assignor to Somerville W. Thompson, trustee, Chicago, Ill. Filed Mar. 30, 1929. Serial No. 30,687. Term of patent 14 years.



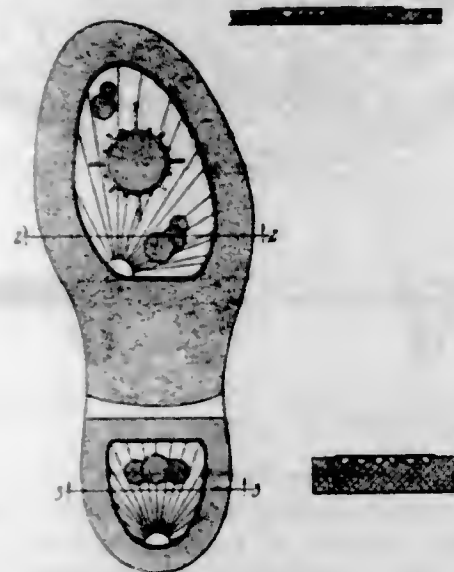
The ornamental design for a bowl for indirect lighting fixtures as shown.

80,000. TEXTILE FABRIC. EMIL WEINER and HARRY KATIMS, New York, N. Y. Filed July 19, 1929. Serial No. 32,123. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a textile fabric, as shown.

80,001. COMBINED SOLE AND HEEL. HERBERT H. WYDOM, Boston, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a Corporation of Delaware. Filed Sept. 21, 1929. Serial No. 32,828. Term of patent 7 years.



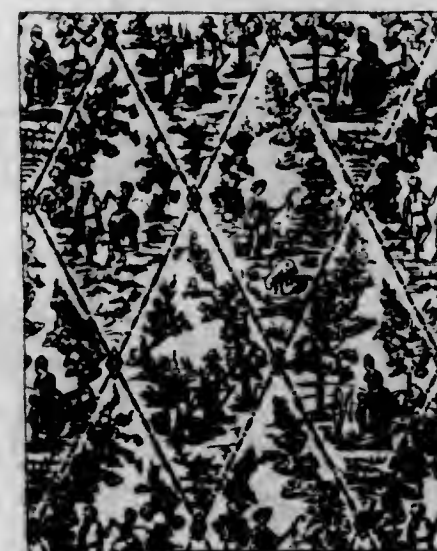
The ornamental design for a combined sole and heel, as shown.

80,002. WALL PAPER. JOHN H. WHITWELL, Philadelphia, Pa. Filed Mar. 15, 1929. Serial No. 30,487. Term of patent $3\frac{1}{4}$ years.



The ornamental design for wallpaper substantially as shown and described.

80,003. WALL PAPER. JOHN H. WHITWELL, Philadelphia, Pa. Filed Mar. 15, 1929. Serial No. 30,488. Term of patent $3\frac{1}{4}$ years.



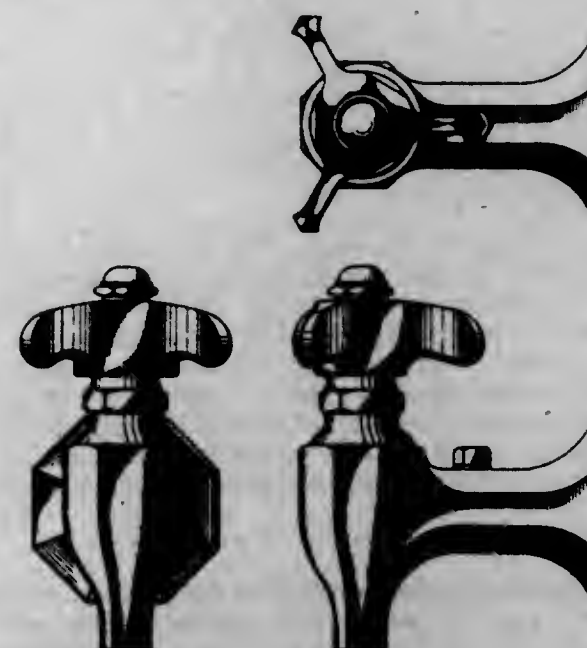
The ornamental design for wallpaper substantially as shown and described.

80,004. BUCKLE. THOMAS H. WIGHTMAN, Providence, R. I., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Sept. 12, 1929. Serial No. 32,738. Term of patent $3\frac{1}{4}$ years.



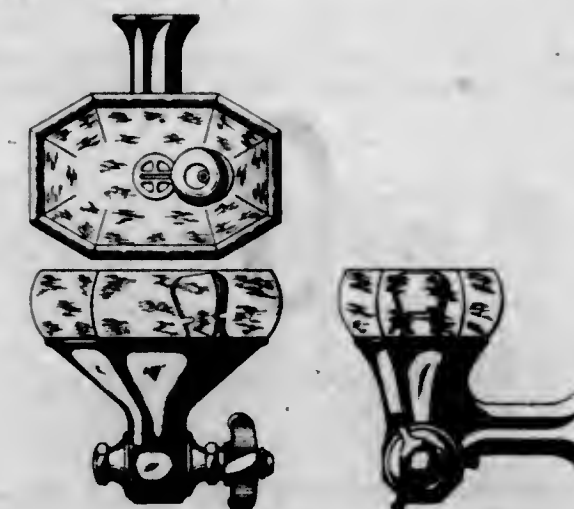
The ornamental design for a buckle, substantially as shown.

80,005. FAUCET FOR WATER COOLERS OR THE LIKE. DE WITT H. WYATT, Columbus, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 30, 1929. Serial No. 32,629. Term of patent 14 years.



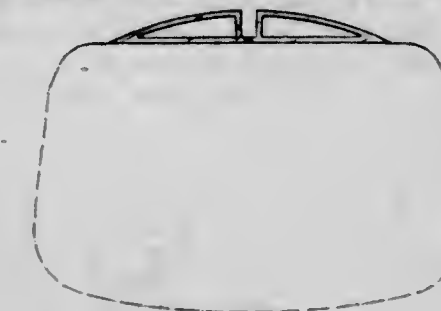
The ornamental design for a faucet for water coolers or the like, as shown.

80,006. COMBINED BUBBLER AND DRAIN BASIN FOR WATER COOLERS OR THE LIKE. DE WITT H. WYATT, Columbus, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 30, 1929. Serial No. 32,630. Term of patent 14 years.



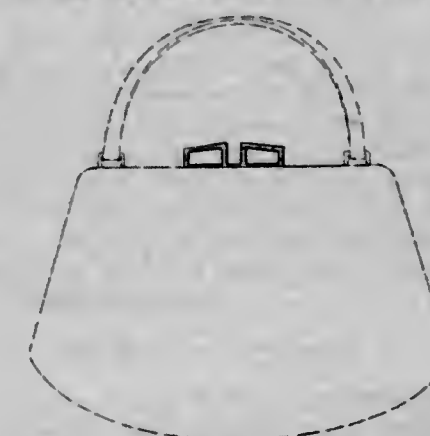
The ornamental design for a combined bubbler and drain basin for water coolers or the like, as shown.

80,007. POCKETBOOK LATCH. CHARLES J. MCCABE, Brooklyn, and IRVING SCHOENHOLZ, Cedarhurst, N. Y., assignors to McCabe and Schoenholz, Inc., New York, N. Y., a Corporation of New York. Filed June 28, 1929. Serial No. 31,866. Term of patent 7 years.



The ornamental design for a pocketbook latch substantially as shown.

80,008. POCKETBOOK LATCH. CHARLES J. MCCABE, Brooklyn, and IRVING SCHOENHOLZ, Cedarhurst, N. Y., assignors to McCabe and Schoenholz, Inc., New York, N. Y., a Corporation of New York. Filed June 28, 1929. Serial No. 31,867. Term of patent 7 years.



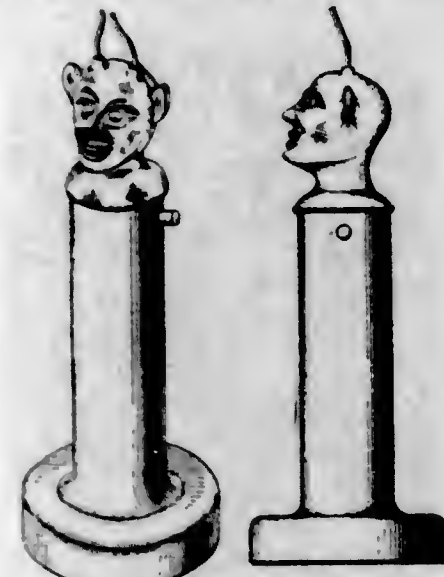
The ornamental design for a pocketbook latch substantially as shown.

80,009. FINGER RING OR SIMILAR ARTICLE. EDWARD J. GROSS, New Rochelle, N. Y., assignor to Benjamin & Edward J. Gross Co. Inc., New York, N. Y. Filed Feb. 6, 1929. Serial No. 29,958. Term of patent 14 years.



The ornamental design for a finger ring, or similar article, as shown.

80,010. ELECTRIC LIGHTER. CHARLES E. VAWTER, Philadelphia, Pa. Filed Aug. 27, 1929. Serial No. 32,561. Term of patent 14 years.

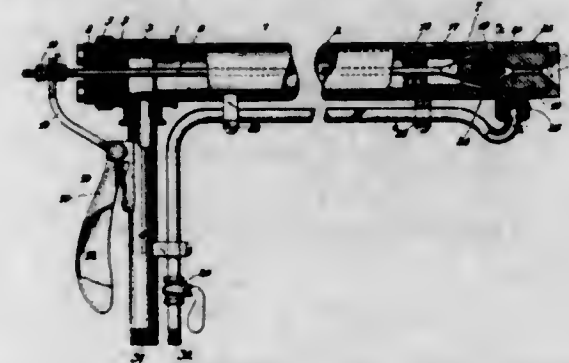


The ornamental design for an electric lighter, as shown.

PATENTS

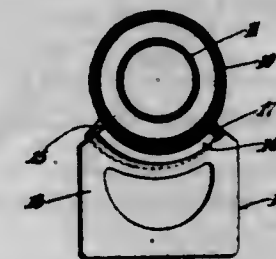
GRANTED NOVEMBER 26, 1929

1,736,768. GUN FOR BLOWING ASPHALT AND THE LIKE. CARLE D. BOYNTON, Joplin, Mo. Filed July 3, 1926. Serial No. 120,286. 5 Claims. (Cl. 91—45.)



1. An article of the class described comprising a hollow barrel adapted to have supplied thereto a fluid substance it is desired to discharge, a nozzle member connected to said barrel at the front end thereof, said nozzle member having a nozzle opening, said nozzle member also having an auxiliary fluid chamber, an auxiliary fluid conduit communicating with said chamber, a by-pass hole connecting with said chamber and the back end of said opening, a second hole connecting with said chamber and the front end of said opening, and a valve for simultaneously blocking said nozzle opening and one of said holes.

1,736,769. FURNACE RABBLE ARM AND TOOTH CONSTRUCTION. GEORGE E. CONNOLLY, Oakland, Calif., assignor to Nichols Copper Company, New York, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 173,145. 4 Claims. (Cl. 259—136.)

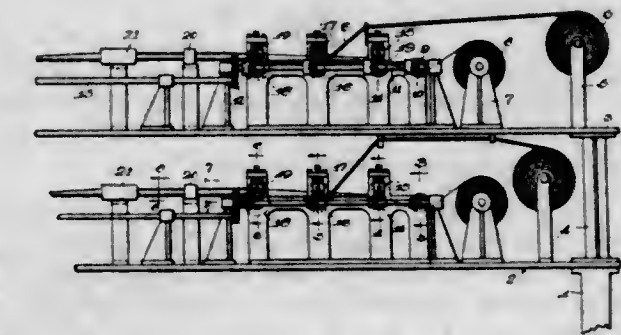


1. The combination with a furnace rabble arm presenting an exterior, substantially arcuate surface facing downwardly at all times and movable in the sense that a given point thereon follows a circular path centered at one end of said arm, of a rabble tooth secured to said exterior surface of said rabble arm by relatively slidable tongue and groove sections integrally formed, respectively, with said arm and tooth, said sections being each substantially arcuate in form in correspondence with said arcuate surface.

1,736,770. MACHINE FOR FORMING GASKETS. MARTIN M. CODY, Chicago, Ill., assignor to Crane Packing Company, a Corporation of Illinois. Filed Dec. 13, 1928. Serial No. 325,856. 5 Claims. (Cl. 153—1.)

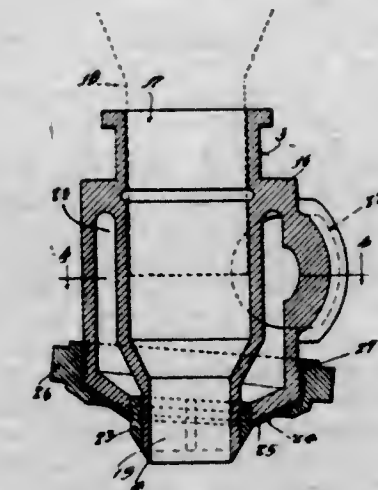
1. A machine for forming gaskets comprising means for supporting a reel of soft metal ribbon, means for bending

said ribbon about a longitudinal axis to form a trough, means for supporting a flexible core, means for delivering



said core into said trough and means for pressing the margins of said foil together with said core enclosed within the same and at one side thereof.

1,736,771. VACUUM NOZZLE. LEE W. DICKEY, Richmond, Calif., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif., a Corporation of Delaware. Filed July 20, 1925. Serial No. 44,850. 1 Claim. (Cl. 226—116.)



A vacuum nozzle comprising a body having a passage formed therethrough, a spout formed at the lower end of the passage, a vacuum chamber surrounding the said passage, a plurality of lugs spaced around the periphery of the said spout for centering the spout in the inlet of a container with the vacuum chamber in communication with the interior of the said container, and means mounted on the said body in inclined position for maintaining a fluid tight connection between the spout and a container supported in an inclined position.

1,736,772. CHAIN. KARL FASSNACHT, Providence, R. I., assignor to Speidel Chain Co., a Firm composed of Frederic Speidel and Eugen Speidel, Pforshelm, Germany, doing business in Providence, R. I. Filed Oct. 18, 1927. Serial No. 226,908. 1 Claim. (Cl. 59—91.)

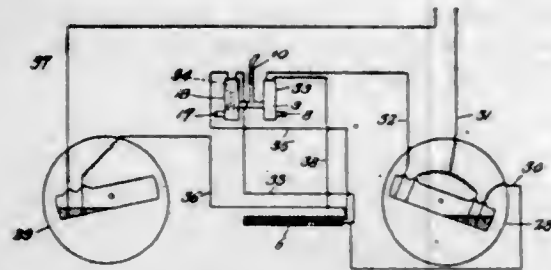
An ornamental chain formed of a plurality of sheet metal links each comprising a relatively broad faced body portion

of ornamental outline formed of integral halves of concave-convex shape in cross section with the convex surface disposed outwardly and connected by a bendable neck portion, and folded at the neck with their marginal edges meeting, to form an oval shaped body in cross section, said body halves each having a longitudinal slot of a width just



sufficient to permit the passage of one of the link body halves edgewise therethrough, said slots being enlarged at one end to receive the neck portion of an adjacent link, the enlargement being arcuate to permit pivotal movement, said movement in the plane of the links being limited by adjacent edges of the body portions.

1,736,773. REFRIGERATING SYSTEM. MAX ALEX, Davenport, Iowa. Filed Oct. 1, 1926. Serial No. 138,902. 7 Claims. (Cl. 62-5.)

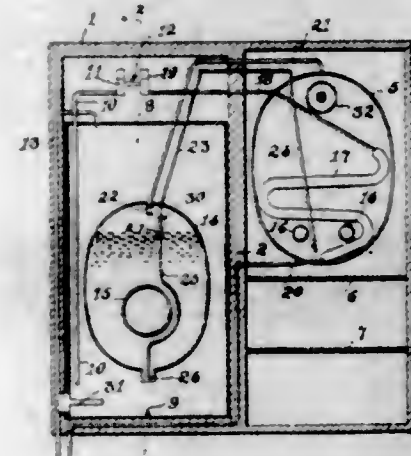


1. A refrigerating system, comprising a combined generator and absorbing chamber for containing a liquid carrying a refrigerant, means for periodically heating said liquid to thereby gasify the refrigerant, a combined condenser and cooling tank, means for conducting the gasified refrigerant from said chamber to said tank and condensing the refrigerant, means for cooling said liquid after it has been heated to cause it to absorb the refrigerant, a conduit leading from the upper portion of said tank to said chamber to return the refrigerant to said chamber, and means for automatically returning the liquid carried with said refrigerant from said chamber to said tank back to said chamber when the combined volume of liquid and condensed refrigerant in said tank exceeds a predetermined volume said means receiving liquid only from the lower portion of said tank.

1,736,774. REFRIGERATING SYSTEM. MAX ALEX, Davenport, Iowa. Filed Oct. 1, 1926. Serial No. 138,903. 2 Claims. (Cl. 62-120.)

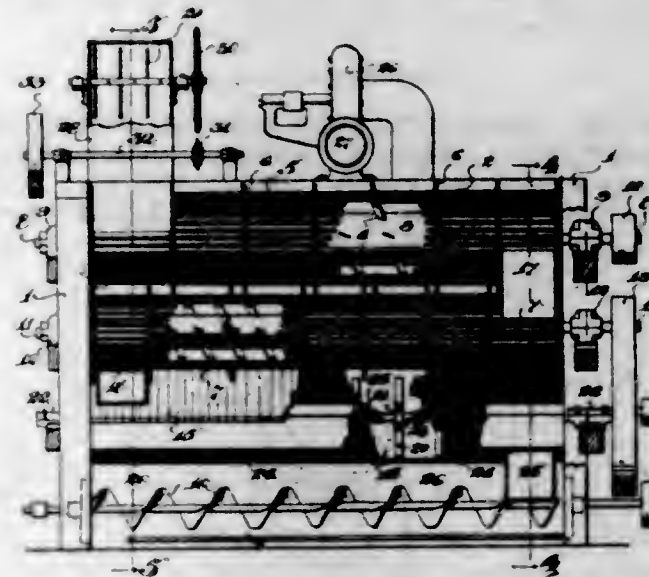
1. In a device of the character described, a casing having a water supply chamber therein, a combined cooling and condensing chamber in said water supply chamber, a generator and absorption chamber adjacent said supply chamber and having communication with said cooling chamber whereby the refrigerant may circulate between the generator chamber and cooling chamber, heating means for heating said generator chamber, a cooling pipe extending through said generator chamber, a water supply means leading into and an overflow leading from said supply chamber, control means for starting said heating means and causing the supply of water to said supply tank when the temperature in said supply tank rises to a certain value,

and control means for stopping said heating and water supply means and causing the supply of cooling water to said cooling pipe, when the temperature of said generator chamber increases to a certain value, said last named con-



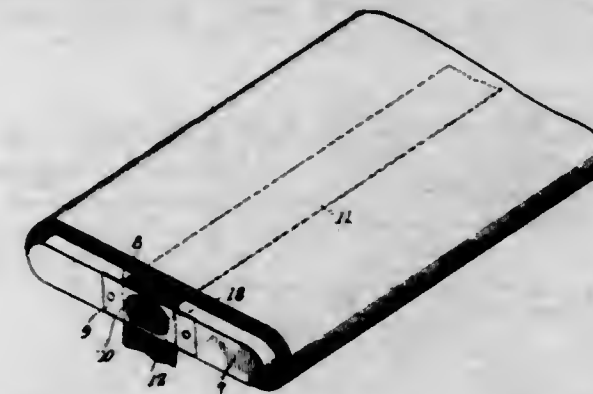
trol means responding to a temperature of said water supply chamber to cut off the supply of cooling water to said cooling pipe when the temperature in the said water supply chamber falls below a certain value.

1,736,775. THRASHING CYLINDER. RAY C. AYERS, Lockney, Tex., assignor of one-half to Joe Collins, Fort Worth, Tex. Filed Mar. 26, 1928. Serial No. 264,593. 2 Claims. (Cl. 130-27.)



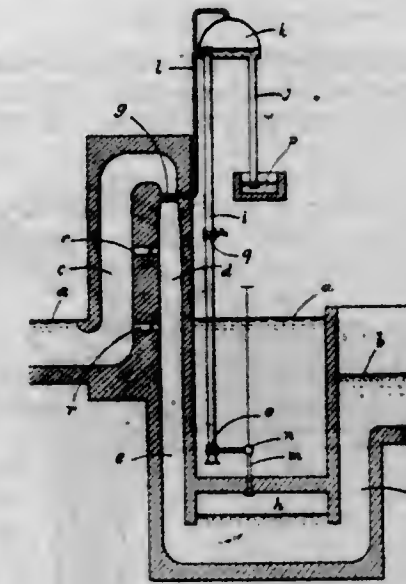
1. In a thrashing machine, a primary thrashing cylinder, a secondary thrashing cylinder disposed below and to one side of the primary thrashing cylinder, a chute for conducting material from one end of the primary cylinder into the adjacent end of the secondary cylinder, a beater arranged below the primary cylinder in substantial alignment therewith, a chute for conveying material from the opposite end of the secondary cylinder into the adjacent end of the beater, a downwardly inclined partition extending beneath each of the primary and secondary cylinders and over the beater, a hopper beneath the beater to receive material from the latter and from the partition and to also receive material gravitating from the secondary cylinder, an inclined partition below the primary and above the secondary cylinders for directing material from the primary cylinder and from the first named partition into the hopper and a chute leading from the opposite end of the beater to conduct material from its inside out of the machine.

1,736,776. FABRIC-BOLT BOARD. IRVING H. BERNSTEIN, New York, N. Y. Filed July 27, 1927. Serial No. 208,756. 2 Claims. (Cl. 206-50.)



1. In a fabric bolt board having a groove in the end thereof, a plate fixed to the end of the board and covering the groove, said plate having a window therein communicating with said groove and a sharpened edge for cuttings fabrics passing through said groove.

1,736,777. HYDROPNEUMATIC LIQUID RAISING PLANT. JENS OETEN BOVING, Westminster, London, England. Filed Nov. 28, 1928. Serial No. 322,332, and in Great Britain Nov. 30, 1927. 2 Claims. (Cl. 103-5.)

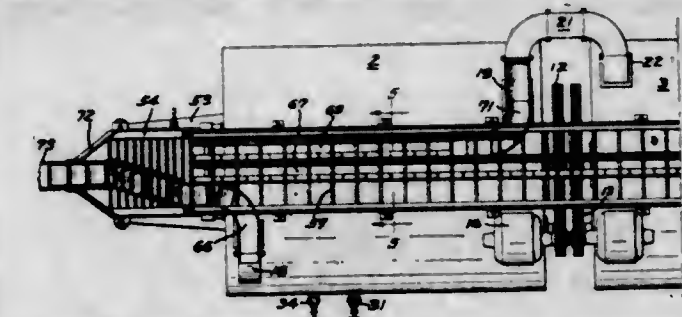


1. In a hydro-pneumatic liquid-raising plant, a vacuum-operated liquid-raising siphon having a discharge end located above the liquid level at the intake end at a height greater than that to which the vacuum in said liquid-raising siphon alone can raise said liquid, a vacuum-inducing siphon having a limb descending to beneath the lower level of the operative fall of said vacuum-inducing siphon, means for drawing gas into said vacuum-inducing siphon connected to the crown of said liquid-raising siphon, a gas-separating chamber at the lower end of said descending limb of said vacuum-inducing siphon, an upwardly directed shaft ascending from said separating chamber to the lower level of the operative fall of said vacuum-inducing siphon, and gas-injecting means in the lower end of the ascending limb of said liquid-raising siphon connected to said gas-separating chamber.

1,736,778. COOKING APPARATUS. WILLIAM DE BACK, San Leandro, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill., a Corporation of Delaware. Filed Nov. 24, 1928. Serial No. 150,510. 13 Claims. (Cl. 198-81.)

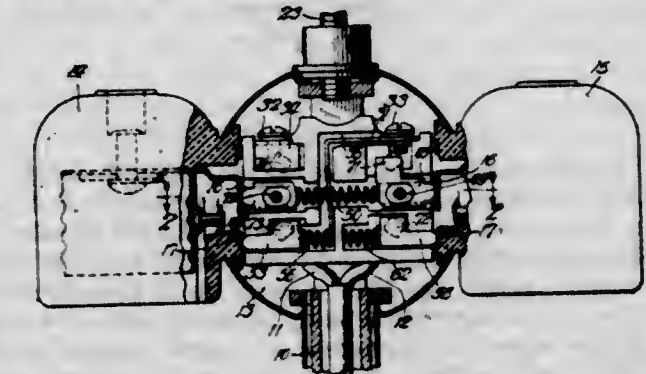
1. In an apparatus for treating packaged goods, a plurality of drums, means connecting adjacent drums for con-

ducting the packages from one drum to the other, a supply track for conducting the packages to the apparatus, a



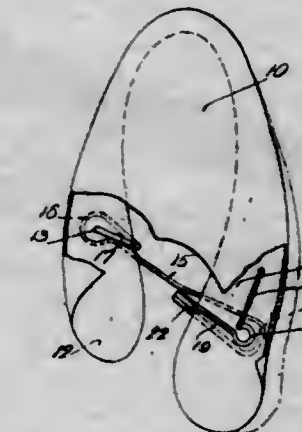
feed track extending from adjacent the supply track to each drum, and means for shunting packages from the supply track to a selected feed track.

1,736,779. CONNECTING BLOCK FOR ELECTRIC-LIGHT CLUSTERS. VICTOR R. DESPARD and HANS C. R. POPP, Valparaiso, Ind., assignors to McGill Manufacturing Company, a Corporation of Indiana. Filed June 3, 1927. Serial No. 196,260. 5 Claims. (Cl. 173-336.)



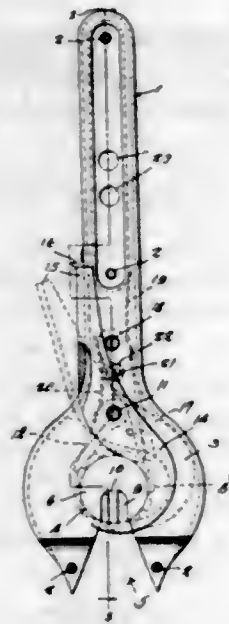
1. A connecting device of the character described comprising a base, conducting means thereon adapted for connection with a source of current supply, conducting means thereon adapted for connection with a translating device, means for interconnecting said conducting means, said second mentioned conducting means including a plurality of pairs of contacts slidably mounted in said base and projecting therefrom, and springs yieldingly maintaining said contacts in projecting position, one of said springs connecting a contact of one of said pairs of contacts with a contact of another pair, said connected pair of contacts being insulated from said first named conducting means.

1,736,780. SHOE FORM. WILLIAM J. DE WITT, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a Corporation of New York. Filed June 11, 1929. Serial No. 370,027. 10 Claims. (Cl. 12-128.6.)



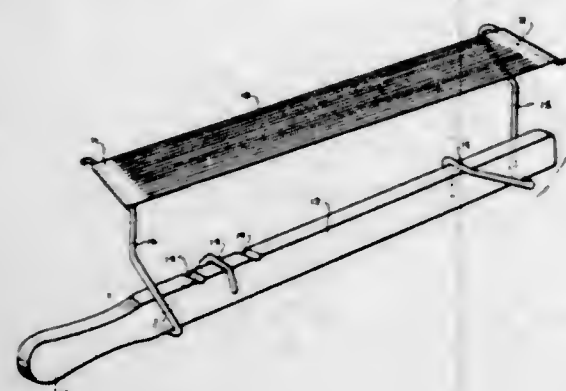
1. In a hollow toe form adapted to be inserted in the toe of a shoe and having side walls, a cross brace connecting said walls, the brace being pivotally mounted upon one side wall and having a sliding engagement with the other side wall and a spur carried by said cross brace for engaging the insole of the shoe and securing the form in position therein.

1,736,781. DEVICE FOR TWISTING WIRE IN CONCRETE-FORM WORK. RUDOLPH A. A. DREWS, Iowa City, Iowa. Filed Aug. 20, 1928. Serial No. 300,830. 2 Claims. (Cl. 140—119.)



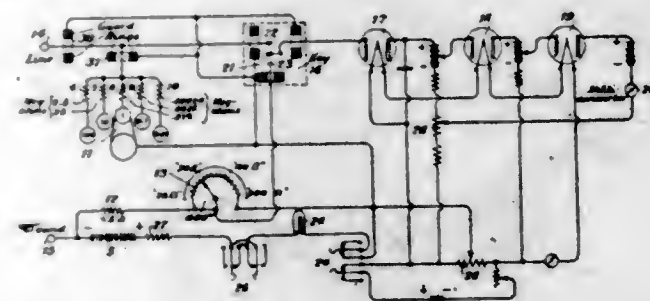
1. A wire twisting tool comprising a handle having an opening, a ratchet wheel journaled in the handle and having a recess adapted to communicate with the opening in the handle for the reception of wire to be twisted, when the ratchet wheel has been rotated to a predetermined position, the ratchet wheel being provided with wire holding means located in the recess, a retainer located on the outside of the handle and extending, when in closed position, across the opening and the recess to maintain the wire to be twisted engaged with said means when the ratchet wheel is in the aforesaid predetermined position, an actuating pawl within the handle and cooperating with the ratchet wheel, a pivot member mounted on the handle and carrying the retainer and the actuating pawl for swinging movement, a back stop pawl within the handle and cooperating with the ratchet wheel, the back stop pawl and the retainer having interengaging elements which cooperate to disengage the back stop pawl from the ratchet wheel when the retainer is moved to closed position with respect to the opening and the recess.

1,736,782. COMB CLEANER. NEEL FULTON, New York, N. Y. Filed Dec. 7, 1928. Serial No. 324,541. 3 Claims. (Cl. 132—29.)



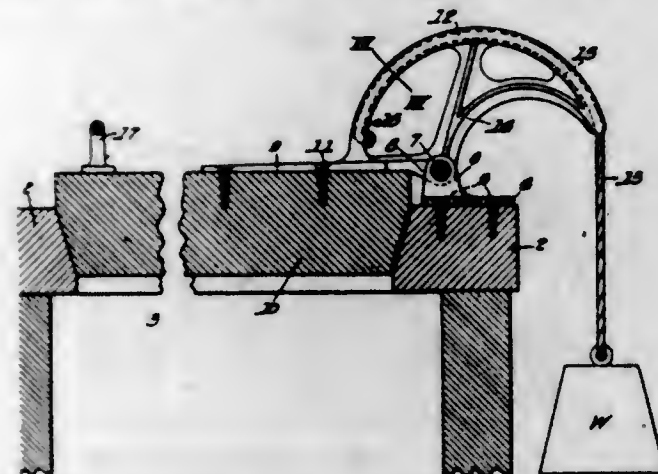
1. A support for comb cleaners, said support including a handle member and means for engaging the comb cleaner at opposite extremities thereof and in spaced relation with said handle member, said means being adjustably connected with said handle member for adjustably tensioning the comb cleaner.

1,736,783. MEASUREMENT OF ELECTRICAL RESISTANCE. LAURENCE A. GARY, San Francisco, and HOMER G. TASKER, Los Angeles, Calif., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed July 17, 1928. Serial No. 293,444. 6 Claims. (Cl. 175—183.)



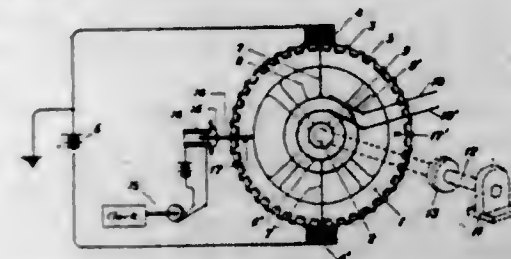
1. An electrical system for measuring the unknown value of a resistance, comprising a fixed resistance, a variable resistance, a plurality of standard resistances, means for connecting any one of said standard resistances in circuit with said fixed resistance and said variable resistance, means for connecting the resistance of unknown value in a Wheatstone bridge arrangement with said fixed resistance, said variable resistance and the selected one of said standard resistances, means for supplying current to the Wheatstone bridge so formed, means for detecting potential drops, and circuit arrangements for connecting said detecting means across either the selected one of said standard resistances or said variable resistance.

1,736,784. COUNTER-WEIGHT MECHANISM. JOHN EDWARD GLOEKLER, Pittsburgh, Pa. Filed Nov. 16, 1928. Serial No. 319,975. 6 Claims. (Cl. 16—81.)



1. A counterbalancing hinge support for an opening and closing cover provided with an elliptical arm and a counterweight connected therewith, and a strap hinge extension arm integrally connected with the elliptical arm.

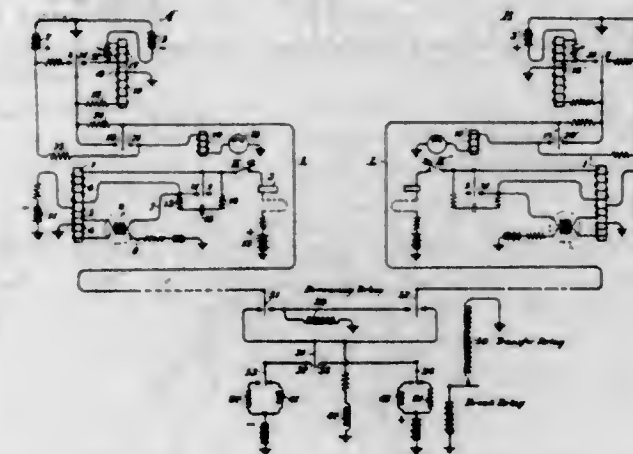
1,736,785. MEASURING SYSTEM. WILLIAM T. HAINES, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 11, 1928. Serial No. 269,287. 6 Claims. (Cl. 179—8.)



1. In combination, a circular resistance element, contacts located along the periphery of said resistance element,

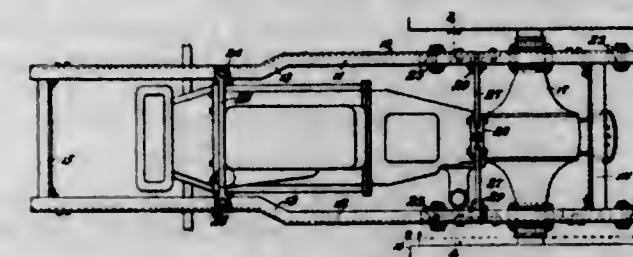
ment, brushes positioned near the periphery of said resistance element and adapted to be in electrical connection between said contacts and a source of potential, means for connecting a predetermined pair of said contacts with a plurality of electrical circuits, and means for periodically rotating said resistance element one-half revolution.

1,736,786. TELEGRAPH REPEATER CIRCUITS. JOSEPH HERMAN, Westfield, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 20, 1928. Serial No. 248,134. 5 Claims. (Cl. 178—2.)



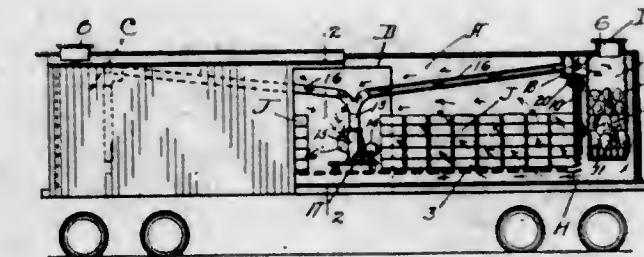
1. In a telegraph system, a repeater station for interconnecting two line sections comprising a single receiving relay, switching means, whereby said relay may be connected to either of said line sections, sources of current of different polarity, means controlled by said receiving relay for connecting said sources to said switching means, a break relay, and a transfer relay controlled by said break relay, said transfer relay controlling said switching means.

1,736,787. BODY MOUNTING FOR TRACTORS. ARTHUR S. HUGHES and HOWARD F. GORSUCH, Mansfield, Ohio, assignors to The Hughes-Keenan Company, Mansfield, Ohio, a Corporation of Ohio. Filed Nov. 18, 1927. Serial No. 234,215. 1 Claim. (Cl. 280—106.5.)



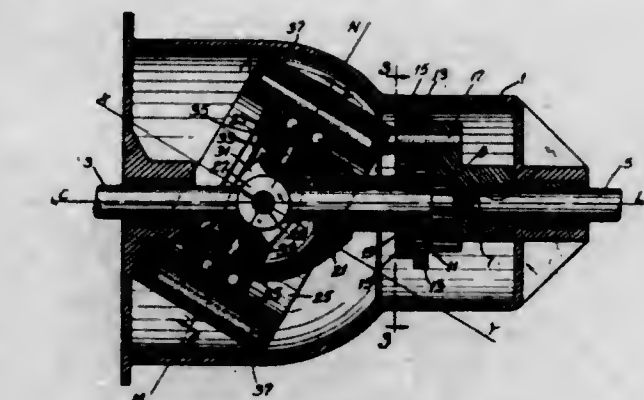
In combination, a tractor driving axle structure, a load-supporting frame mounted on the tractor and having resilient side members extending longitudinally of the tractor between its body and wheels and constructed and arranged to support a load carrying body above said axle structure; leaf springs having means for supporting them by the axle structure and connected thereto below the respective side members; means pivotally connecting the ends of the springs to said side members so that the frame is resiliently supported; and transverse links pivotally connecting the respective side members to the tractor body to prevent lateral movement of the frame relative to the tractor, while permitting vertical movement of the frame to a limited extent; the resilience of the side members checking any considerable vertical movement of the frame.

1,736,788. PRECOOLER FOR REFRIGERATOR CARS. JAMES D. HUSTON, Imperial, Calif. Filed Aug. 5, 1926. Serial No. 127,268. 8 Claims. (Cl. 62—24.)



1. An apparatus for precooling a refrigerator car having ice bunkers in the opposite ends of its body, comprising a portable blower temporarily situated inside the median portion of the car having an air ingress duct extending downwardly thereinto from a position connecting with the upper portion of the provision chamber and an air egress duct detachably connected with the upper portions of the ice bunkers, said ducts being adapted to conduct chilled air received from the lower portions of the ice bunkers upwardly through and around the lading and into the blower and assist in returning air of higher temperature in the car back into the upper portions of the ice bunkers.

1,736,789. TRANSMISSION. OSCAR JANSSEN, St. Louis, Mo. Filed Mar. 14, 1928. Serial No. 261,475. 4 Claims. (Cl. 74—34.)

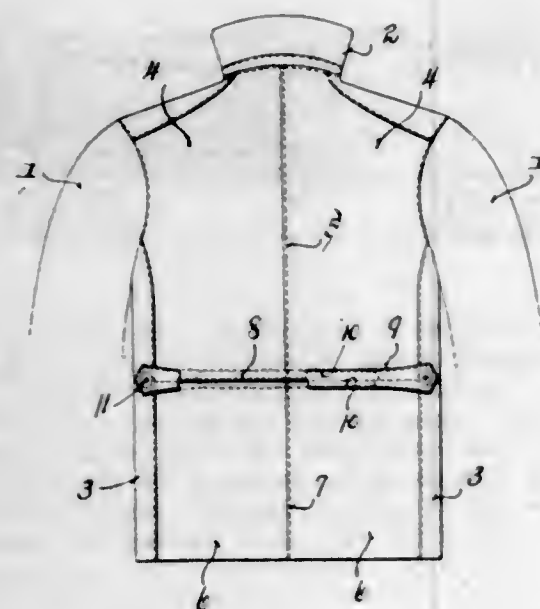


1. A transmission comprising a driving member, a driven member, a flexible inertia mass coupled to the driving member, said mass being adapted to move freely, an intermediate member adapted to be driven by the driving member to effect precessive movement of said mass, whereby a resistance is set up and means coupling the driving, intermediate and driven members whereby said resistance is effective to cause transmission of power.

1,736,790. GARMENT. ALBERT H. OSTERMANN, Milwaukee, Wis., assignor to Fried-Ostermann Co., Milwaukee, Wis. Filed Dec. 12, 1927. Serial No. 239,481. 1 Claim. (Cl. 2—93.)

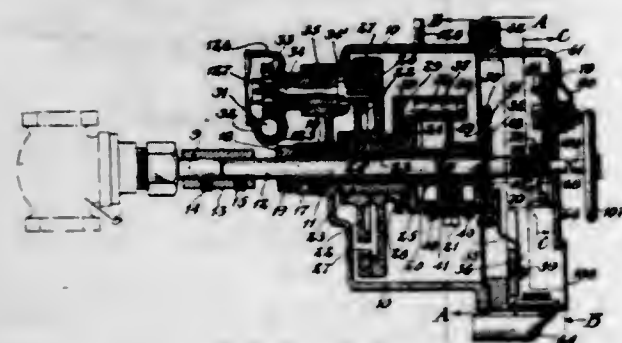
A leather coat comprising a body portion, a pair of upper rear panels extending from the neck to a point adjacent the rear waist line, a vertical seam joining said upper panels, said upper panels extending from one arm hole across to the other arm hole and being flexible across the back between the arm holes, a pair of lower panels joined by a vertical seam forming a continuation of said first mentioned vertical seam and joined to said first mentioned panels by a transverse seam extending across the back at the waist line, a belt bridging said

last mentioned seam and stitched above and below said last mentioned seam to the upper panels and to the lower panels respectively, said belt having free ends projecting beyond the said rear panels, and securing means carried by the side portions of the coat and engaging the free ends of the belt.



jecting beyond the said rear panels, and securing means carried by the side portions of the coat and engaging the free ends of the belt.

1,736,791. MOTOR-OPERATED VALVE MECHANISM. EMIL A. LEMAN, New York, N. Y., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 18, 1926. Serial No. 136,365. 3 Claims. (Cl. 74—59.)

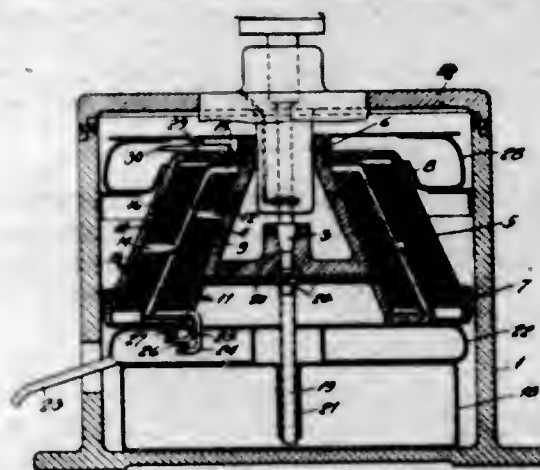


2. The combination of a shaft to be rotated, two gears rotatable about said shaft, means rotating said gears in opposite directions about said shaft, two ratchet members rotated about said shaft in opposite directions by said gears respectively, two electromagnets rotatable with said shaft, pawls rotatable with the shaft and adapted to engage said ratchets respectively and means whereby said electromagnets control the operation of said pawls respectively.

1,736,792. CENTRIFUGAL CONCENTRATOR. KARL TORSTEN RAGNAR LUNDGREN, Lund, Sweden. Filed Apr. 11, 1928. Serial No. 269,106. and in Sweden Jan. 27, 1928. 9 Claims. (Cl. 233—18.)

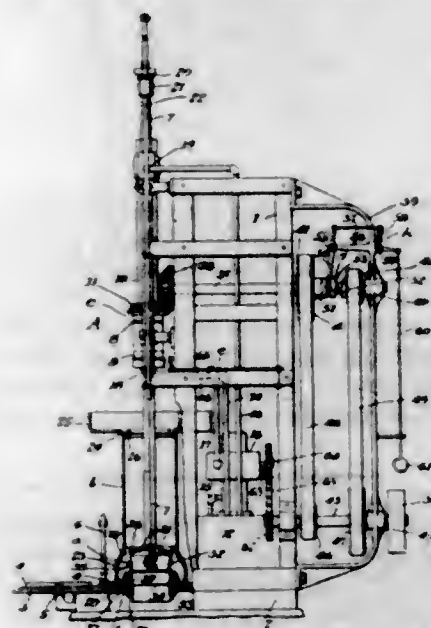
1. A concentrator for the production of butter from milk characterized by a revolving inner part comprising an inner chamber and an outer chamber inclined toward the axis of rotation, supply pipes for supplying milk to

said inner chamber, outlet means in the lower part of said inner chamber, a second outlet means in the lower



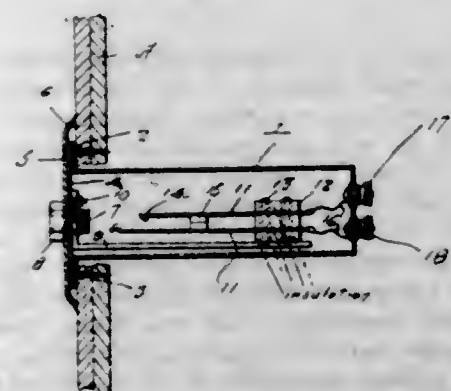
part of said outer chamber and communicating means between the upper part of said inner chamber and the central part of said outer chamber.

1,736,793. PIPE-MAKING MACHINE. GEORGE C. MARTIN, Los Angeles, Calif. Filed Oct. 26, 1926. Serial No. 144,263. 3 Claims. (Cl. 25—36.)



1. In a machine for making pipe from plastic material which subsequently hardens, a mold, a packer head rotatably supported and longitudinally movable within said mold, and having a troweling portion, and means for imparting variable speed rotation to said packer head whereby the preliminary rotational speed of the packer head will be less than the subsequent speed thereof.

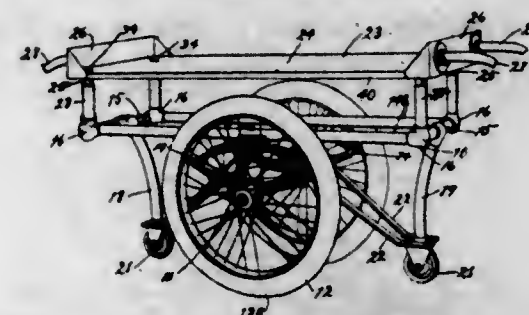
1,736,794. GROUND SWITCH. CHARLES F. MACCARTHY, Salem, Mass. Filed Mar. 22, 1928. Serial No. 263,943. 1 Claim. (Cl. 179—96.)



In a switch support comprising a shell having one end and being adapted for disposition within an opening in

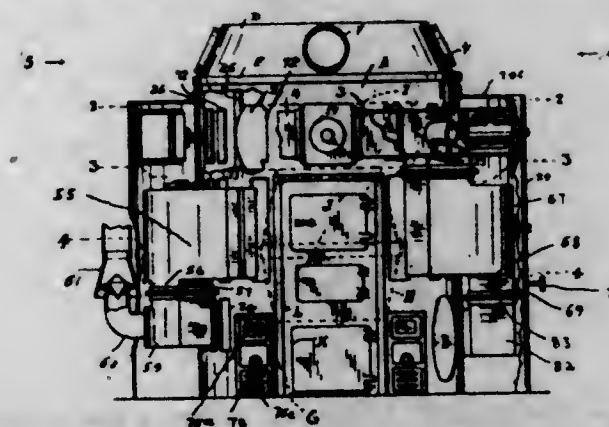
a supporting structure, the open end of said shell being adapted to project exteriorly of the supporting structure, a diametrically extending flange at the open end of the shell, means for securing said insulating material over the open end of the shell and with the flange to the supporting bracket for disposition within the shell, and a cover plate for arrangement over said insulating material, said cover plate and the insulating material being formed with registering threaded openings, a switch supporting bracket for disposition within the shell, and a threaded bushing for disposition through the registering opening and to which one end of the bracket is attached.

1,736,795. TRANSPORTING DEVICE. RALPH J. MCKEE, Chicago, Ill., assignor to Chicago Manufacturing & Distributing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 24, 1924. Serial No. 739,550. 4 Claims. (Cl. 280—49.)



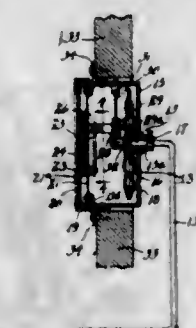
4. In a vehicle, a frame, an axle extending transversely beneath an intermediate portion of said frame, comparatively stiff springs for supporting said frame from said axle, a tray, means for detachably connecting and resiliently supporting said tray from said frame, said means comprising a plurality of socket members on said frame, a plurality of supporting standards depending from said tray and slidably and removably engaging said sockets, comparatively light springs in said sockets for engaging said standards for constituting the sole means for supporting said tray from said frame when the same is not loaded or is lightly loaded, said springs being compressible to permit said tray to be supported from said frame by said sockets when said tray is heavily loaded, and means depending from said frame and adapted to engage the wheel supporting surface only when the load on said vehicle exceeds a predetermined amount.

1,736,796. HEATING APPARATUS. JESSE MCKINNEY, Dunkirk, Ind. Filed Apr. 21, 1928. Serial No. 271,686. 17 Claims. (Cl. 126—116.)



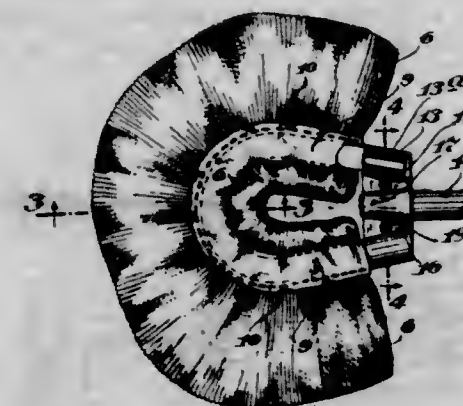
1. An apparatus of the kind described, comprising a furnace and radiator, a housing therefor having air intake openings, a heat conveying and radiating flue supported outside of said housing and having communicative connection with the radiator of the furnace, there being port openings in the housing, a casement to enclose the space about the flue and the said port openings, and means to control the flow of the heated gases from the radiator into the said flue.

1,736,797. DASHBOARD GASOLINE INDICATOR. ALFRED AXEL MORTENSEN, Minneapolis, Minn. Filed Apr. 14, 1924. Serial No. 706,343. 5 Claims. (Cl. 73—82.)



1. A liquid level indicating device having in combination a substantially vertically disposed dial, a pivot supported therein, a hand carried on said pivot and movable over said dial, a lever pivoted at one end to said dial above and at one side of said pivot and extending substantially horizontally, a link mechanism connected to the other end of said lever and to said first mentioned pivot, a bell crank lever pivoted about a suitably supported horizontal axis and having a substantially horizontal arm loosely connected to said first mentioned lever intermediate the ends thereof, and a diaphragm pivotally connected to the other arm of the said bell crank lever.

1,736,798. MOP. HERMAN J. OSTDIK, Minneapolis, Minn., and MARY E. HANKE, Oshkosh, Wis. Filed June 25, 1928. Serial No. 288,054. 3 Claims. (Cl. 15—229.)

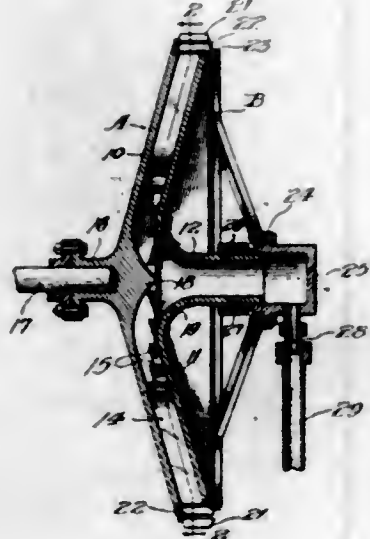


1. A mop comprising a handle, a head applied to the handle, a pliable rubber holder bent to form a loop and having its ends secured to the head, and a swab provided with means for attaching the same to said holder, said holder and swab being adapted to be sprung into various different forms but to return to normal shape when relieved from pressure.

1,736,799. HUMIDIFIER. EMIL J. P. PLANET, Union City, N. J. Filed Dec. 5, 1927. Serial No. 237,808. 4 Claims. (Cl. 299—63.)

1. A spray device which comprises a conical rotor with double walls connected by radially extending vanes the

inner ends of which are curved in one direction, a stator associated with the rotor and having a series of closely spaced wings overlying the periphery of the latter, other wings carried by the rotor overlying the wings of the

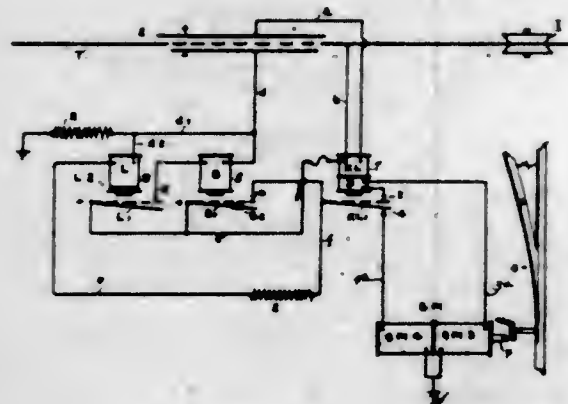


stator whereby liquid which is centrifugally discharged from the rotor is caused to impinge first against the wings of the stator, and then is impinged by the wings of the rotor, and means for supplying liquid to said rotor.

1,736,800. COMPOSITION FOR REMOVING BOILER SCALE. HANS RATHJE, Buffalo, N. Y. Filed Jan. 12, 1928. Serial No. 246,150. 1 Claim. (Cl. 87-27.)

A compound composed of the following ingredients in substantially the proportions stated and brought into solution by the application of heat, to-wit: 250 pounds potatoes, 125 pounds cabbage, 75 pounds carrots, 50 pounds turnips, 25 pounds celery, 125 pounds caustic soda (76%), 17 pounds kerosene, 1 pound graphite, and enough water to make up 1000 pounds.

1,736,801. ELECTRICAL CONTROL SYSTEM. FRANK H. RICHTERKESING, Louisville, Ky., assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Filed Apr. 16, 1926. Serial No. 102,565. 32 Claims. (Cl. 246-227.)



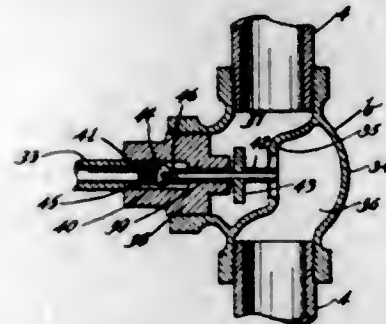
1. In an electric switch operating device, the combination with the track solenoid, trolley conductor and trolley contactor, of a normally open circuit connecting the trolley conductor and track solenoid, a circuit closing means therein, of means controlled by contact of a trolley with a trolley contactor for closing the circuit of an electrically controlled time element device controlling means to permit the operation of the circuit closing means upon disengagement of the trolley contact and trolley contactor.

1,736,802. PROCESS OF TREATING TALLOEL. WILLI SCHULTZE, Halle-on-the-Salle, Germany. Filed Sept. 30, 1927, Serial No. 223,241, and in Germany Oct. 11, 1926. 5 Claims. (Cl. 87-4.)

1. The process of treating talloel to separate the liquid fatty acid components thereof from the resinic acid components thereof which comprises subjecting the talloel to an esterifying agent to esterify only the liquid fatty acids contained therein and then separating the esterified fatty acids from the unesterified resinic acid components of the esterification mixture.

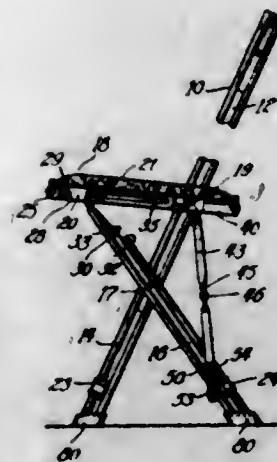
5. The process of recovering the liquid fatty acids occurring in talloel which comprises subjecting the talloel to the action of an esterifying agent to esterify only the liquid fatty acids contained therein, separating the fatty acid esters so prepared from the esterification mixture and then treating the esters with a hydrolytic agent to obtain the free fatty acids.

1,736,803. SHOWER. THOMAS C. SHIELDS and WALLACE J. CAMERON, Los Angeles, Calif. Filed Aug. 22, 1927. Serial No. 214,484. 8 Claims. (Cl. 299-85.)



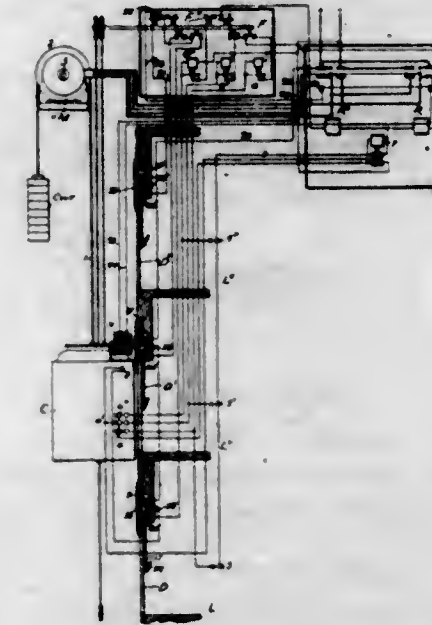
1. In mechanism of the class described, a valve inclusive of the member adapted to be moved by flow of fluid through said valve, said member having an internal passage for fluid formed therethrough, and a valve controlled by movement of said member to control flow of fluid through said passage.

1,736,804. FOLDING CHAIR. JOSEPH SILVERMAN, Chicago, Ill. Filed Apr. 4, 1927. Serial No. 180,701. 4 Claims. (Cl. 155-143.)



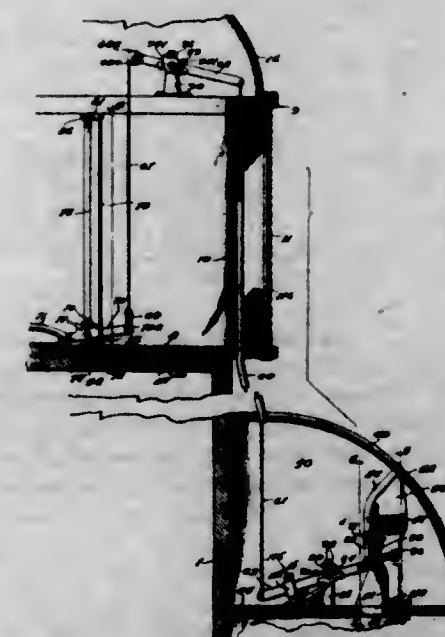
1. In a folding chair, a first pair of legs, a seat pivoted thereto to swing upwardly therebetween, a second pair of legs pivoted to said first legs at a point other than the pivot of the seat on said first legs and having sliding pivotal connection with such seat and brace means pivoted at the pivoted connection between the seat and said first legs and having sliding pivotal connection with said second legs, said brace means interposing a bracing action between the seat pivot and said second legs and disposed substantially wholly below the upwardly folding portions of the seat and below the seat pivot in folded and unfolded positions.

1,736,805. ELEVATOR-DOOR-LOCKING GEAR. THOMAS HUBERT JOHN SIMMONS and EDWARD CLEMENCE, London, England, assignors to Otis Elevator Company, New York, N. Y., a Corporation of New Jersey. Filed May 27, 1926, Serial No. 112,021, and in Great Britain Sept. 9, 1925. 49 Claims. (Cl. 187-61.)



26. Elevator door locking gear, comprising means for retaining the door in closed position, means for releasing said retaining means, said releasing means having an initial movement possible at all times, a mechanical interlocking device normally preventing further movement of said releasing means, electromagnetic controlling means for said interlocking device, the operation of said electromagnetic controlling means allowing said mechanical interlocking device to permit said further movement of said releasing means, means for energizing said electro-magnetic controlling means upon said initial movement, said electro-magnetic controlling means depending for its operativeness upon the presence of the elevator car at the landing in question, said electromagnetic controlling means being de-energized upon said further movement of said releasing means, and means for holding said mechanical interlocking device against return movement while the door is open.

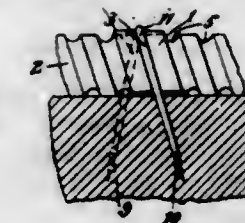
1,736,806. COIN-CONTROLLED GASOLINE PUMP. FURMAN P. STALLCUP, Jonesboro, Ark. Filed May 29, 1925, Serial No. 33,771. Renewed Apr. 19, 1929. 6 Claims. (Cl. 221-100.)



1. In a dispensing pump, the combination of a container, means for delivering liquid into the container, a stationary

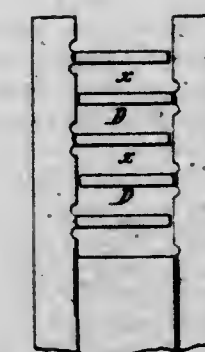
standard within the container, a float, a lever carrying the float at one end, vertically adjustable means for mounting said lever upon the standard, a rocking arm mounted upon the container, extensible connections between said lever and one end of the rocking arm, and means connected with the opposite end of the rocking arm to control the means for delivering liquid into the container.

1,736,807. CABLE CLAMP. CLIFFORD S. THOMAS, Gorham, Me. Filed Apr. 25, 1927. Serial No. 186,346. 1 Claim. (Cl. 248-36.)



A fastening for an armored cable having a spiral surface grooving, comprising a staple member and a bowed guard member having a rib extending throughout the connecting and leg portions of the bowed guard, and the rib being disposed with the convex side of the rib inward and its concave side outward so as to receive the staple when disposed over the guard, said rib serving as a guide for prongs of the staple preventing relative lateral movement between the guard and the staple, independent of other means, the rib in the bowed portion of the guard cooperating with the grooved cable to prevent relative longitudinal movement between the guard and cable while the staple is being driven to final fixed position.

1,736,808. PRODUCTION OF HOOK PLATES AND HOOKS FOR TEMPORARY BINDERS. CLARENCE D. TRUSSELL, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a Corporation of New York. Filed Sept. 15, 1927. Serial No. 219,710. 4 Claims. (Cl. 29-148.)



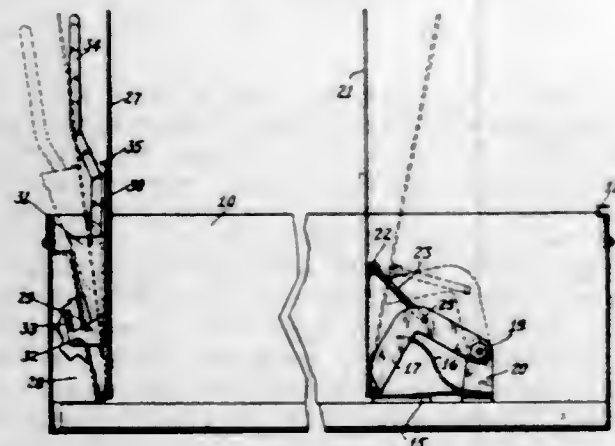
1. The method of making integral hook-plates and hooks for loose-leaf binders, consisting in (1) producing a flat bar of a form having thin margins of the gauge of the plates and a thicker middle zone of a thickness corresponding to the gauge of the hooks, (2) punching out portions from such bar at its middle zone to leave alternated fingers projecting from each marginal plate toward the other, and (3) bending the fingers up into curved form over the respective plates to form hooks.

1,736,809. HAT SUPPORT. JESSE VAN DYKE, Kansas City, Mo. Filed Feb. 23, 1925. Serial No. 256,240. 9 Claims. (Cl. 206-8.)



1. In a hat support, a base member having parallel pairs of slits, and a hat-receiving member having ends receivable respectively in said pairs of slits for attaching the hat-receiving member to the base member, one of said members having an outstruck tongue engageable with the other member for latching the members together.

1,736,810. COMPRESSING MEANS FOR FILING TRAYS. NELSON S. WELK, Athens, Ohio, assignor to The McBee Binder Company, Athens, Ohio, a Corporation of Ohio. Filed Sept. 19, 1925. Serial No. 57,299. 5 Claims. (Cl. 129-16.)



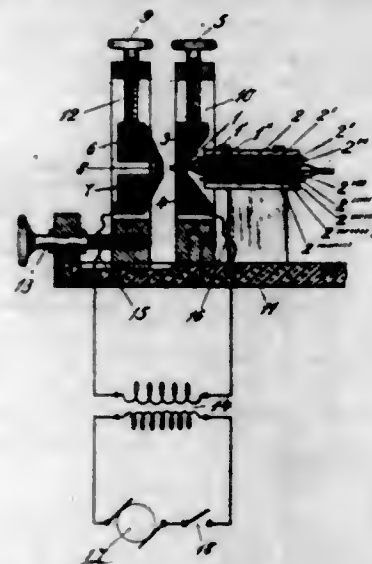
1. In a filing tray, a presser means comprising a support affixed in the forward end of the tray; a plate hinged to said support, a lever having a wedge-shaped end, pivoted to said plate, so arranged that the wedge end may be forced downwardly between the plate and a wall of the support for forcing and retaining the plate in a substantially vertical position, and may be moved upwardly to withdraw the wedge end from contact with the companion wall, and thereby permit the plate to be inclined forwardly from its hinge.

4. In a filing tray, a follower comprising a plate secured for slidable movement in the base of the tray; means to lock the plate in any desired position; a presser plate hinged to the slidable plate; angle levers pivotally secured to the slidable plate and projecting forwardly to the hinged plate; a control rod pivotally secured to the hinged plate and having pivotal connection with the angle levers, the construction being such that when the angle levers are moved downwardly upon their pivots they will move the hinged plate to a substantially vertical position and hold it there, and at the same time positioning the pivotal connection of the control rod below a dead center, substantially as shown and described.

1,736,811. ELECTRICAL CONDENSER. BRONISLAW V. WYSOCKI, Berlin-Lichterfelde, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed Mar. 29, 1927. Serial No. 181,597, and in Germany Mar. 31, 1926. 2 Claims. (Cl. 219-10.)

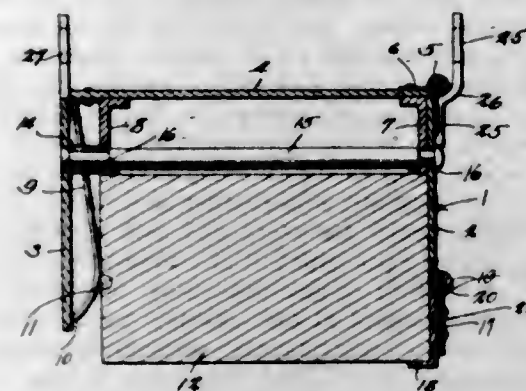
1. The method of uniting the terminals of the metal plates of an electrical condenser, which consists in holding said terminals in fixed relation to each other, disposing a piece of welding metal in proximity to but spaced from said terminals so as to form a gap between them, and bringing the terminals and welding metal together by

relatively moving them across the gap toward each other while simultaneously passing an electric current through



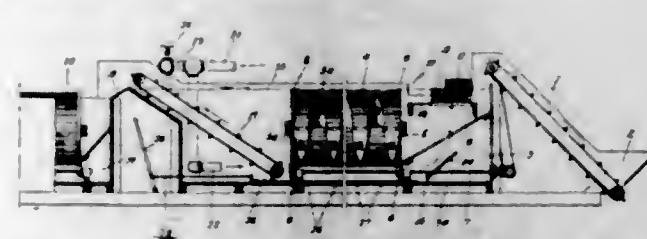
them so as to produce a welding arc across the gap acting to fuse said terminals and metal and amalgamate them on contact.

1,736,812. BRICKLAYING MACHINE. JASPER N. YOUNGLOOD, Fletcher, N. C. Filed Jan. 18, 1928. Serial No. 247,677. 3 Claims. (Cl. 72-129.)



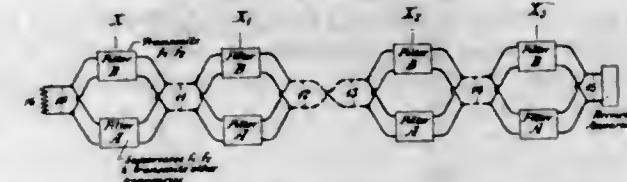
1. In a brick laying machine, a carrier comprising a releasable brick holder, the carrier having a hinged lid, and means on the lid for forcing and entering within the carrier when the lid is closed for engaging the bricks and moving them transversely against one part of the carrier, thereby to line up the bricks for laying in a course.

1,736,813. POTATO CLEANER. ROSCOE C. ZUCKERMAN, Stockton, Calif. Filed Feb. 10, 1926. Serial No. 87,223. 4 Claims. (Cl. 146-194.)



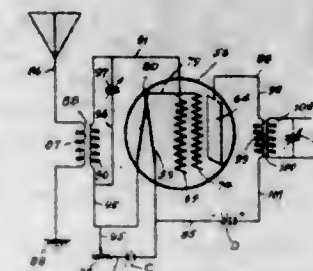
2. A potato cleaner including a tank to contain water and into the forward end of which the potatoes to be cleaned are discharged, means for conveying the potatoes along the tank to the rear end thereof, and at the same time causing the same to be cleaned, a foraminous incline in the tank leading to the front end of the conveying means and onto which the potatoes discharged into the tank are initially deposited, means for setting up a flow of water lengthwise of the conveying means from the rear to the front end thereof, along the bottom of the tank, and a transverse and angularly adjustable deflector mounted under the incline and having an upward slant toward the front end of the tank.

1,736,814. ELECTRICAL TRANSPOSITION SYSTEM. HERMAN A. AFFEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Aug. 31, 1922. Serial No. 585,436, Patent No. 1,530,537, dated Mar. 24, 1925. Divided and this application filed Mar. 9, 1925. Serial No. 14,312. 8 Claims. (Cl. 250-33.)



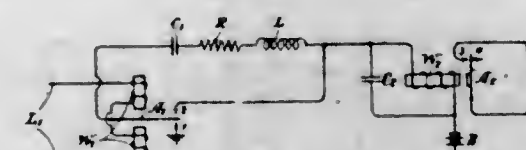
6. An antenna effectively transposed at certain points for predetermined frequencies but effectively non-transposed at those points for other frequencies.

1,736,815. AUDION TUBE. WALTER J. ALBERSHEIM, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed May 18, 1926. Serial No. 109,927. 2 Claims. (Cl. 250-27.5.)



1. An audion tube comprising an anode, a filamentary cathode, a perforated input electrode, and a second perforated electrode electrically connected to the center of said cathode within said tube, said second electrode being positioned between the cathode and the anode.

1,736,816. ALTERNATING-CURRENT RELAY. MILTON L. ALMQUIST, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 23, 1927. Serial No. 177,747. 6 Claims. (Cl. 175-320.)

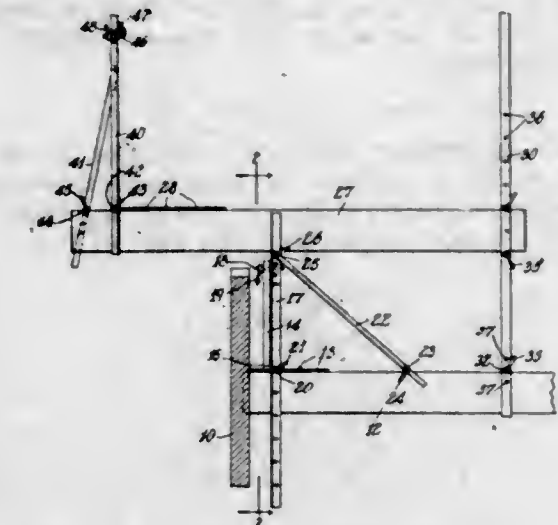


5. The combination of an alternating current relay, the armature of the alternating current relay being free to vibrate between two contact members, a direct current relay, a tuned circuit comprising inductance and capacity, and a source of direct current, said tuned circuit being connected through the winding of direct current relay to the source of direct current when the armature of the alternating current relay closes one of its contact members whereby the capacity of the tuned circuit becomes charged, the tuned circuit being shunted when the armature of the alternating current relay closes the other of its contact members whereby the capacity of the tuned circuit becomes discharged.

1,736,817. OUTRIGGER SCAFFOLD. JOSEPH AMREIN, Brooklyn, N. Y. Filed Sept. 2, 1927. Serial No. 217,145. 9 Claims. (Cl. 304-14.)

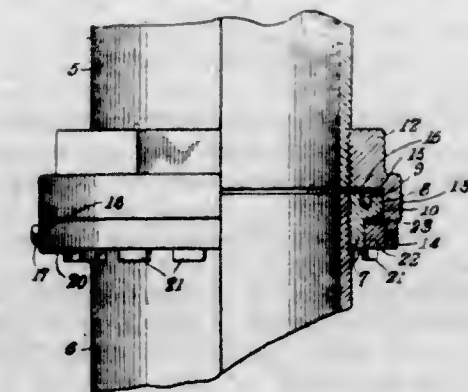
1. A scaffolding, comprising a standard adapted to be supported on the floor beams of a structure, an adjustable

upright carried by the standard and adapted to support an outrigger plank, means to secure the upright to a floor



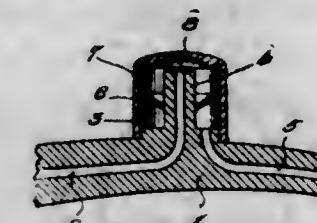
beam, means to further secure the standard to a floor beam, and means to secure the inner end of the outrigger plank to a floor beam.

1,736,818. COUPLING. RAYMOND L. AUMACK, Roselle, N. J. Filed Sept. 2, 1927. Serial No. 217,053. 2 Claims. (Cl. 285-120.)



1. A coupling for relatively rotatable cylinders comprising a stepped annulus fixed on one cylinder, a collar fixed on the adjacent cylinder, a sleeve integral with said collar to envelop said annulus, a ring threaded in said sleeve to impinge on the step of said annulus whereby the annulus may be adjusted with respect to said collar, a plurality of lugs extending from said ring, and a keeper clip, said clip including a member adjustably mounted on the sleeve and a projection at right angles to the member to engage between any two adjacent lugs.

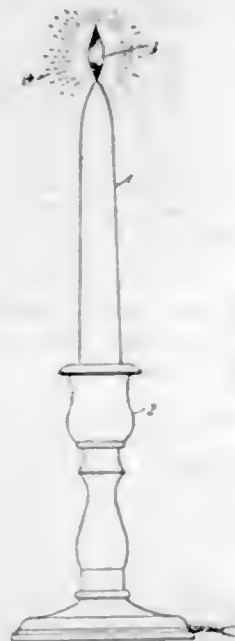
1,736,819. PIPE. HARRISON ELLSWORTH BATCHELDER, Marion, Iowa. Filed Mar. 12, 1927. Serial No. 174,837. 1 Claim. (Cl. 131-12.)



A stem for a smoker's pipe, cigar or cigarette holder, having a smoke passage leading from the tobacco holder, an upstanding nipple on the stem whose port communicates with the said passage, a boss on the stem surrounding the nipple, said stem having a second smoke passage leading from the mouth piece thereof and communi-

cating with the boss, a basin removably and adjustably secured on the nipple, a cap member screwed on the boss, said cap member having its top thickened inwardly and concaved to provide a smoke deflector which is arranged over the end of the nipple and disposed opposite the basin on the nipple.

1,736,820. ELECTRIC CANDLE. WILLIAM A. BLACK, Montclair, N. J., assignor to Luminex Corporation, a Corporation of New Jersey. Filed July 15, 1926. Serial No. 122,620. 10 Claims. (Cl. 240—52.)



1. As an article of manufacture, an electric lamp simulating a burning candle comprising the combination of a candle-like body portion having an exterior surface of wax, and a light-emitting element mounted at the tip of said body portion, said light-emitting element comprising an incandescent electric bulb and having a contour closely approximating that of a burning-wick candle flame being narrowly constricted at the point of juncture with the tip of said body portion, the diameter of the constricted juncture being of the order of one-sixteenth inch or less.

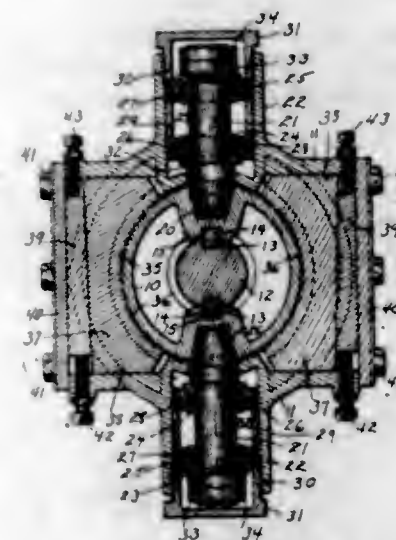
1,736,821. REVOLVING COMPUTING SCALE. CALVIN F. CHRISTOPHER, Canton, N. C. Filed Sept. 28, 1928. Serial No. 309,080. 1 Claim. (Cl. 265—39.)



In a device of the class described, a frame comprising a top and a base, the top and the base being opposite and

being connected by a reduced neck, means on the base for mounting the frame for turning movement on vertical axis, a spring balance mounted in the top portion of the frame, a pan located in the base portion of the frame, and a connection uniting the balance and the pan, the connection being located in the neck.

1,736,822. PISTON MECHANISM FOR ENGINES AND PUMPS. CHARLES A. DREISBACH, New Haven, Conn. Filed June 23, 1927. Serial No. 200,830. 9 Claims. (Cl. 74—14.)



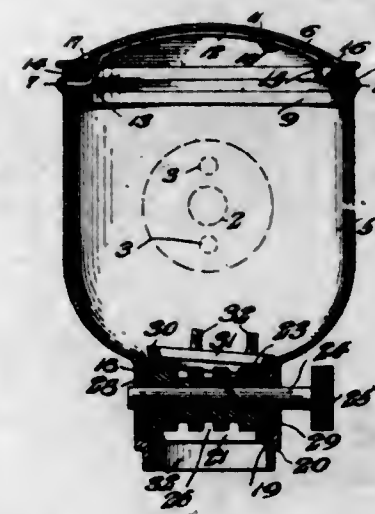
1. The combination with a cylinder, of a piston mechanism comprising a rotary and reciprocating piston located in the said cylinder and formed with an axial shaft-passage extending therethrough from end to end; a shaft extending through the said passage; means for coupling the said piston to the said shaft for rotation therewith and reciprocation with respect thereto; two complementary adjustable bearing-blocks mounted in the said cylinder and respectively engaging the said piston on opposite sides thereof to center the same; a helical cam-groove located in the exterior surface of the said piston and formed with reversely-inclined reaches; and axially-adjustable guide-means mounted in the said cylinder and connecting with the said cam-groove.

1,736,823. CONDENSER. CHARLES A. BIRCH-FIELD, Larchmont, N. Y. Filed Sept. 12, 1925. Serial No. 53,897. 6 Claims. (Cl. 175—41.)



1. A condenser of the character described, comprising two coiled wire-like conductors, each of said conductors having its opposite ends electrically united, the united ends of one conductor forming one terminal of the condenser and the united ends of the other conductor forming the other terminal of the condenser, a supporting member therefor, a casing completely enclosing said member, and means for establishing electrical connection between said conductors and the outside of said casing, said means comprising a pair of conducting strips extending into the casing at opposite parts thereof and electrically connected respectively with said condenser terminals.

1,736,824. SOAP DISPENSER. JOHN FRITSCH, Merion, Pa. Filed Apr. 28, 1927. Serial No. 187,397. 5 Claims. (Cl. 221—61.)



1. In a dispenser, a receptacle for the material to be dispensed provided with a delivery opening, a feed member rotatably mounted, having spaced annular grooves and provided with a longitudinally extending slot, and means carried by said receptacle and projecting into said grooves to positively remove the material from said slots.

1,736,825. FLOATING DECK AND LADDER THEREFOR. ALYAH M. GRIFFIN, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif., a Corporation of California. Filed Oct. 18, 1926. Serial No. 142,478. 5 Claims. (Cl. 228—38.)



1. The combination with a floating deck, a pair of guide bars, means for anchoring the bars in a fixed, vertically disposed position extending through the deck, a plurality of rungs slidably mounted on the guide bars, said rungs being positioned above the floating deck and being adapted to contact with the floating deck when the deck is in the upper position thereby to be supported by the deck in a position to readily pay out when the deck lowers, and a plurality of chains adapted to support the rungs in vertical spaced position, said chains being suspended from near the upper end of the guide bars.

1,736,826. COLORED FILM. LUDWIG HORST, Berlin-Wilmersdorf, Germany. Filed Mar. 19, 1928. Serial No. 262,903, and in Germany Mar. 18, 1927. 1 Claim. (Cl. 88—16.4.)



The method of producing a three-color film, which consists in providing a positive film coated with emulsion on both sides with circular perforations of a smaller diameter than the height of the normal perforations, finishing the two-color picture, applying the third layer of emulsion, and finally punching out the normal perforations.

1,736,827. METATARSAL ARCH SUPPORT AND GRIP. CARL O. JOHNSON, Superior, Wis. Filed May 17, 1926. Serial No. 109,588. 2 Claims. (Cl. 36—71.)

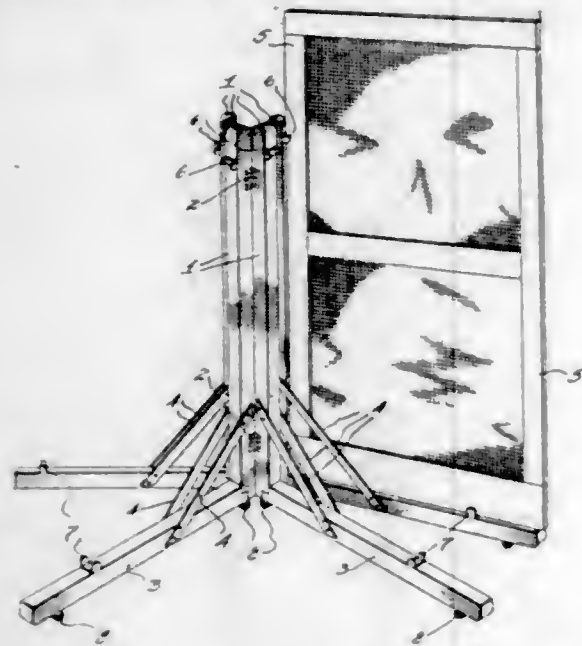


2. A shoe including an insole, a thin flexible piece of material attached to the top of the insole along the sides and across the front toward the toe portion to provide a pocket with the insole, open opposite the heel for receiving filler material to the desire of the wearer of the shoe.

1,736,828. DISPLAY STAND FOR DOORS AND SIMILAR ARTICLES. ALBERT LOBBAN, Detroit, Mich. Filed Feb. 20, 1928. Serial No. 255,512. 5 Claims. (Cl. 211—13.)

1. In a display stand for doors and similar articles, a series of supporting members each having a vertical portion and a horizontal portion, the vertical portions of the several supporting members being hingedly connected together, each horizontal portion being provided with a pair of supporting casters, a pair of brackets connecting the vertical portion of each supporting member with the horizontal portion, the angle brackets being spaced apart and

providing a space in which one corner of a door is adapted to be positioned, a bracket on the end of the horizontal portion adapted to engage the lower horizontal edge of the door and a bracket on the vertical portion adapted to engage one vertical edge of the door.

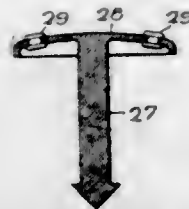


tion adapted to engage the lower horizontal edge of the door and a bracket on the vertical portion adapted to engage one vertical edge of the door.

1,736,829. PREPARATION OF FUR FOR SHRINKING AND FELTING. JOHN H. MARTIN, Baldwin, N. Y. Filed Apr. 16, 1927. Serial No. 184,437. 3 Claims. (Cl. 8-21.)

1. The improvement in the art of preparing fur for shrinking and felting, which consists in subjecting the fur to the action of a solution of a salt of manganese which has manganese as its base.

1,736,830. TRAFFIC MARKER. RALPH J. MCKEE and WILLIAM F. SCHEFFLER, Chicago, Ill., assignors to Chicago Manufacturing & Distributing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1927. Serial No. 215,928. 4 Claims. (Cl. 94-1.5.)



4. A traffic marker comprising a cap member having a dome-shaped surface, a plurality of projections extending upwardly from said surface, the upper surface of said projections being in a plane at a right angle to the axis of said dome-shaped surface and depending means for securing said marker in operative position in the surface of a highway.

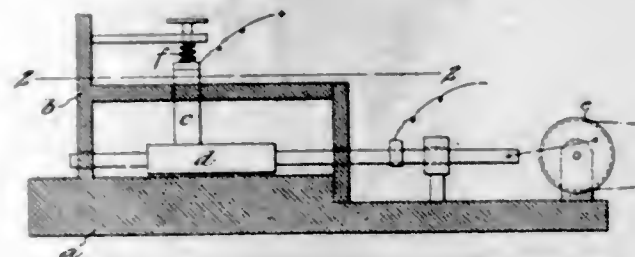
1,736,831. SINGLE FLUSH RECEPTACLE. HARRY J. MONEY, Syracuse, N. Y., assignor to Pass & Seymour, Incorporated, Syracuse, N. Y., a Corporation of New York. Filed Mar. 7, 1925. Serial No. 13,838. 7 Claims. (Cl. 173-330.)



1. In an attachment plug receptacle, a base member including a one piece insulating block, a boss projecting from

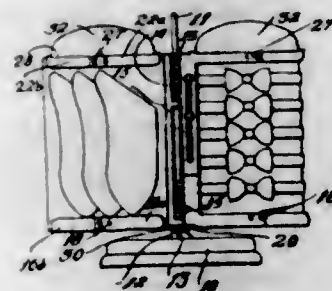
the front face thereof and provided with a pair of T-slots, each of said slots communicating with a separate recess in said block, a partition separating said recesses longitudinally, each recess opening directly and fully into a side face of said block and said block being provided with restricted bores connecting said recesses with the face opposite said boss.

1,736,832. MANUFACTURE OF ARTICLES FROM MOLTEN CARBON. SIEGMAR MÜCH, Wolfen, Kreis Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Filed Feb. 24, 1926. Serial No. 90,426, and in Germany June 30, 1925. 2 Claims. (Cl. 75-22.5.)



1. A process for the production of fabricated articles from molten carbon, which comprises melting carbon by passing electric current through a pair of carbon electrodes while in continuous contact, and coating the surface of one of said electrodes with the molten carbon so formed by relatively moving the electrodes.

1,736,833. DISPLAY FIXTURE. JAMES J. O'BRIEN, Chicago, Ill. Filed Sept. 9, 1926. Serial No. 134,345. 7 Claims. (Cl. 40-72.)

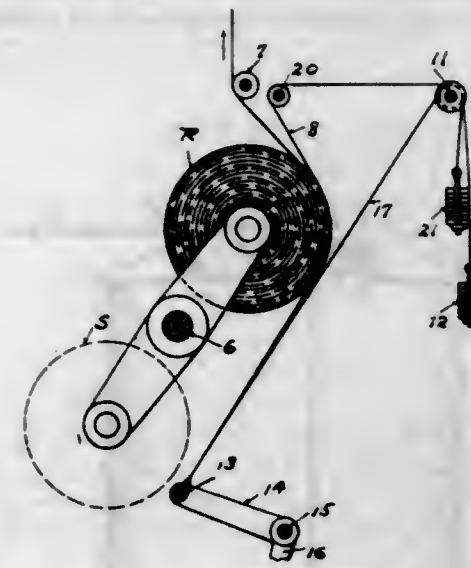


1. The combination with a vertical standard, of a plurality of display devices, spaced loops on said display devices, said loops loosely engaging said standard, and means for hingedly supporting said display devices at the bottom thereof whereby said loops are maintained in spaced relation on said standard, said supporting means being adjustable along the length of said standard.

1,736,834. WEB-ROLL-CONTROL MECHANISM. WALTER H. OGDEN, Cleveland, Ohio, assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 19, 1926. Serial No. 149,331. 9 Claims. (Cl. 242-75.)

5. In a web roll controlling mechanism for printing machines, the combination of friction devices engaging

the roll surface for controlling the tension of the unwinding roll, and auxiliary friction devices normally out of

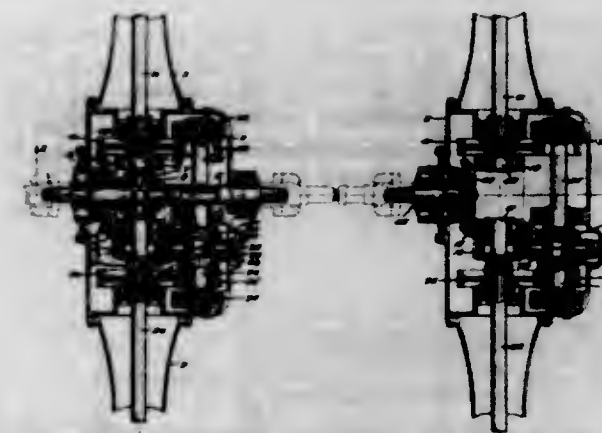


contact with the roll, but arranged for engagement with the first named friction devices for supplying additional pressure to the unwinding roll.

1,736,835. PROCESS FOR INCREASING THE FASTNESS TO LIGHT OF BASIC DYESTUFFS. PAUL RABE, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 20, 1927. Serial No. 220,830, and in Germany Aug. 12, 1926. 6 Claims. (Cl. 8-5.)

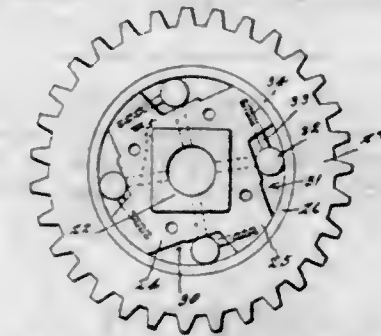
1. A process for increasing the fastness to light of dyeings with basic dyestuffs which consists in treating the dyeings with a compound obtainable by reduction of a complex molybdenum phosphotungstic acid wherein n represents one of the numbers 18 and 24.

1,736,836. DRIVE AXLE. ALDEN G. RAYBURN, Sausalito, Calif., assignor to Emory Winship, San Francisco, Calif. Filed June 7, 1923. Serial No. 643,860. Renewed May 5, 1928. 10 Claims. (Cl. 74-99.)



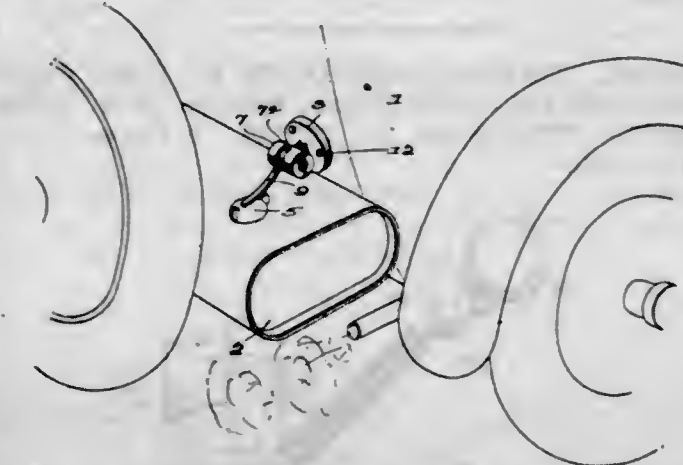
1. A drive axle comprising a driving shaft, a pair of axially aligned driven axles disposed at right angles to the driving shaft, a master gear axially aligned with said axles, means for transmitting power from the driving shaft to the master gear, a gear secured to the master gear, a jack shaft driven by said latter gear, gearing connecting the jack shaft with the driven axles and a differential interposed between the master gear and the driven axles.

1,736,837. ANTIDRIFTING ATTACHMENT FOR AUTOMOBILES. ROBERT F. REICH, Tryon, N. C. Filed Nov. 3, 1928. Serial No. 317,010. 7 Claims. (Cl. 192-4.)



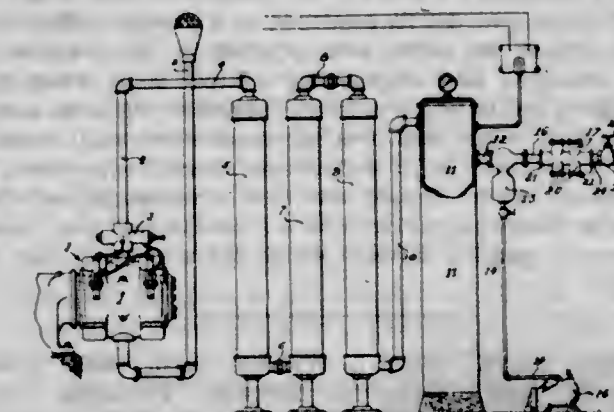
1. A device of the class described comprising a driven shaft normally rotating in one direction, a plurality of gears mounted thereon for rotation therewith, an idler gear operatively engaged with one of said shaft gears and adapted for free rotary movement during the normal rotation of the shaft and gear locking means operatively associated with said idler gear and engageable with the other of said shaft gears and operable upon an initial reverse movement of the shaft whereby to prevent retrograde movement thereof.

1,736,838. CAP LOCK. JULES J. SARRAZIN, New Orleans, La. Filed May 21, 1928. Serial No. 279,542. 4 Claims. (Cl. 70-90.)



1. The combination with a vehicle body having a tank carried thereby and a closure for said tank; of a lock device carried by the wall of said body above and adjacent the top of said tank, and said lock device having a portion movable to engage said closure to prevent unauthorized removal thereof.

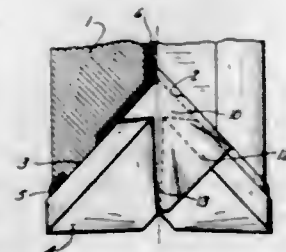
1,736,839. APPARATUS FOR STERILIZING AIR. JOSEPH F. SCHILLER and WALTER W. WESCOTT, Philadelphia, Pa., assignors of two-thirds to said Joseph F. Schiller and one-third to said Walter W. Wescott. Filed Jan. 8, 1923. Serial No. 611,542. 3 Claims. (Cl. 63-135.)



1. An apparatus for sterilizing air comprising means for compressing air, a plurality of tanks of gradually in-

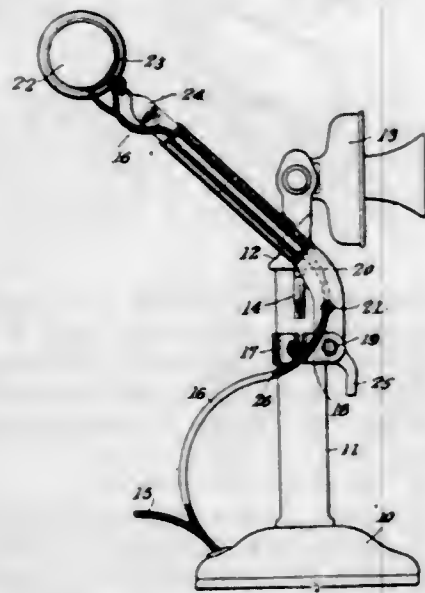
creasing volume, conduit connections between the tanks and the compressor means, and flow control means in each of said connections whereby the compressed air may expand through successive stages.

1,736,840. SHROUD FOR WELL DRILLS. FLOYD L. SCOTT, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed Sept. 15, 1927. Serial No. 219,594. 6 Claims. (Cl. 255-71.)



3. A drill cutter housing of the character described comprising two downwardly inclined side walls connected along their upper edges and having a central water opening therein, said walls shaped to fit the lower end of a drill head, means on said drill against which the lower ends of said walls contact to hold said housing on said head, and end walls adapted to close the sides of said housing.

1,736,841. TELEPHONE-RECEIVER SUPPORT. MAX SELLINGER and PHILIP RAWDIN, Brooklyn, N. Y. Filed Apr. 5, 1928. Serial No. 267,747. 3 Claims. (Cl. 179-153.)

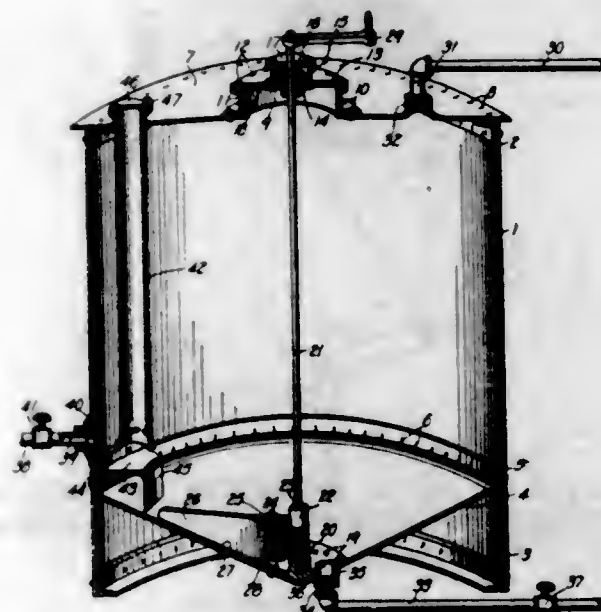


1. The combination with a telephone instrument stand having a transmitter and a lever pivoted in said stand to control current to the transmitter, of a bracket adjustable on said stand, an offset arm pivoted in the bracket to swing rearward and engage the control lever when the telephone is not in use, a receiver carried by the arm, and a stop integral with said arm engageable by said bracket when the receiver is in a forward operative position, a longitudinal groove in said arm to receive and protect the wire cable from the receiver and a recess in said arm below said grooved portion through which the wire cable may be threaded.

1,736,842. TANK. FRED L. WILCOX, Tulsa, Okla. Filed Sept. 19, 1927. Serial No. 220,443. 2 Claims. (Cl. 210-209.)

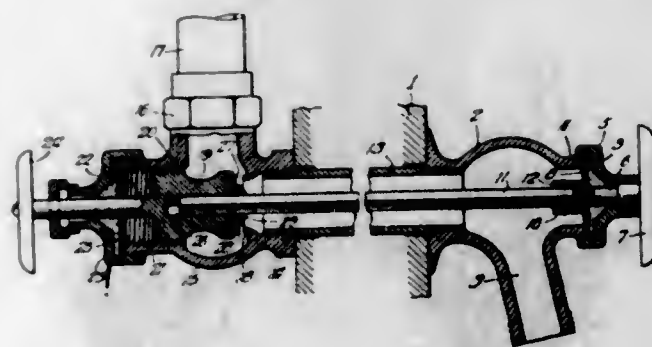
1. In a tank of the character described, including a cylindrical body having a conical bottom, a cover on said

body having a manhole concentric with the bottom, a cover for the manhole, concentric bearings on the bottom and manhole cover, a shaft journaled in said bearings, a bracket on the lower end of said shaft, an agitator blade on said bracket having a scraping edge inclined to substan-



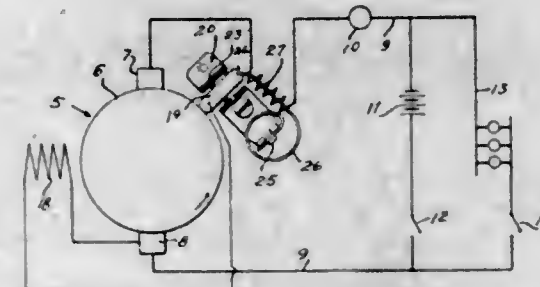
tially parallel the bottom, means on said shaft exterior to the tank for rotating the shaft, means for supplying the tank, and means for drawing off contents of the tank at different levels, the tank having a lower opening offset from the axis thereof for drawing off contents at the lowest level.

1,736,843. DUAL-CONTROL SILL COCK. GEORGE BENSON, Hinsdale, Ill. Filed Mar. 5, 1928. Serial No. 259,175. 6 Claims. (Cl. 251-156.)



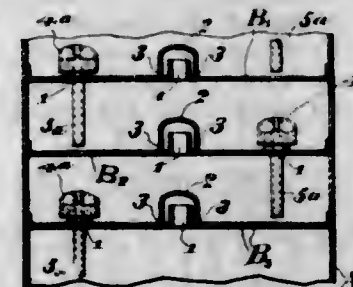
6. A device of the character described comprising a faucet, a conduit for supplying water to said faucet, a valve casing having its outlet connected to said conduit, a valve in said casing having connection therewith whereby rotation of said valve relative to said casing causes said valve to open or close said outlet, a stem in said casing for rotating said valve, and a valve rod extending through the faucet and conduit slidably and nonrotatably engaging said valve, whereby rotation of said rod may move said valve to open or close said outlet, said valve being removable from said casing independently of said rod.

1,736,844. BRUSH HOLDER. ALVIN E. RUCHENBERG, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Original application filed June 21, 1919, Serial No. 305,899. Divided and this application filed Jan. 28, 1927. Serial No. 164,194. 9 Claims. (Cl. 171-221.)



1. In a brush shifting device, a brush; means to pivotally support said brush; and a combined thermostat and spring adapted to press said brush against a commutator, and to tilt said brush upon a change of temperature.

1,736,845. FRACTIONAL-DISTILLATION APPARATUS. RICHARD B. CHILLAS, JR., Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 25, 1926. Serial No. 90,529. 3 Claims. (Cl. 261-114.)



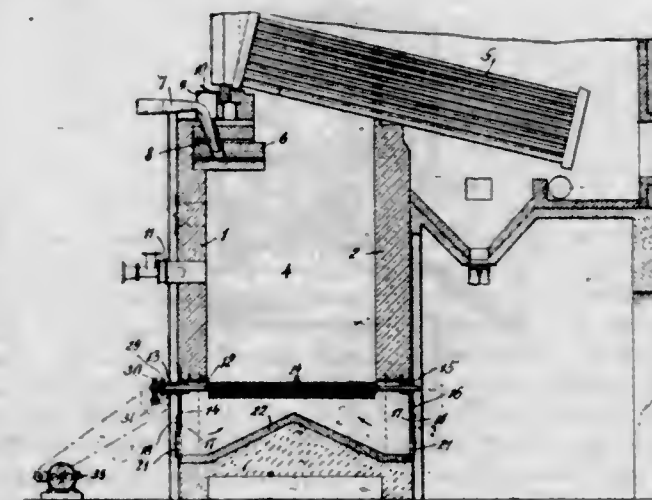
1. In an apparatus of the class described, a bubbler plate having an opening therein, a bubbler cap extending over said opening and having an opening in its top, a pipe extending downwardly from said second mentioned opening to a point below said bubbler plate, said cap having a channel extending from the side thereof to said pipe for conducting liquid from a point below the top of said bubbler cap to said pipe.

1,736,846. PROCESS OF REMOVING PAINT FROM CYLINDERS AND CONTAINERS. HARRY W. COLE, New Rochelle, N. Y., and MALCOM W. McLAREN, Detroit, Mich., assignors, by mesne assignments, to The Liquid Carbonic Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 17, 1924. Serial No. 750,359. 1 Claim. (Cl. 87-5.)



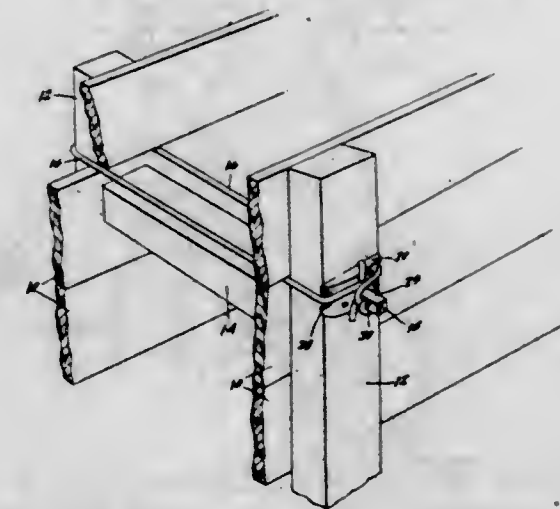
The process of removing paint and similar coatings from substantially cylindrical articles which consists in passing the articles into, through, and out of a paint softening solution as a continuous operation with their outer surfaces in contact, and rotating said articles while in the solution to cause a relative movement and rubbing between said surfaces as the articles move through the solution.

1,736,847. PULVERIZED-FUEL FURNACE. HARRY RAYMOND COLLINS, Allentown, Pa., assignor, by mesne assignments, to Fuller Lehigh Company, a Corporation of Delaware. Filed July 1, 1919. Serial No. 307,880. 13 Claims. (Cl. 110-28.)



1. A steam boiler furnace comprising the combination of a combustion chamber, a burner for introducing fuel into the chamber for combustion in suspension therein, and a metallic surface in the chamber maintained cooler than the combustion space of said chamber and positioned to receive particles falling from said combustion space, this surface being out of the normal path of the flaming stream from the burner and directly exposed to the combustion zone except for residues from said zone deposited thereon in normal operation.

1,736,848. WIRE TIGHTENER. LOUIS V. DICKINSON, Detroit, Mich. Filed Feb. 6, 1928. Serial No. 252,114. 2 Claims. (Cl. 24-19.)

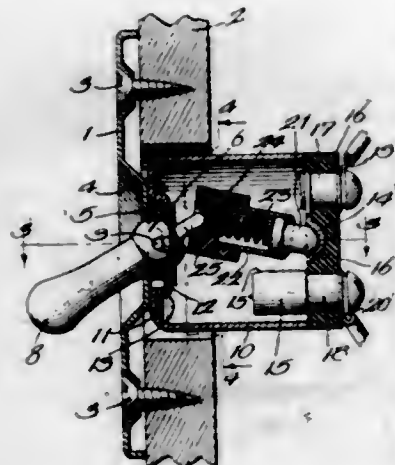


2. A wire tightener comprising a plate having peripheral notches and a recessed under side formed with ratchet teeth about a central orifice and a key having a toothed head fitting the recess in said plate and a shank extending through the orifice therein and a squared outer end cross-bored to receive the wire extending over the notched periphery of the plate and holding the same resiliently against the head of said key.

1,736,849. HANDLE AND ITS MOUNTING. HARRY A. DOUGLAS, Bronson, Mich. Filed Nov. 17, 1927. Serial No. 233,872. 2 Claims. (Cl. 74-83.)

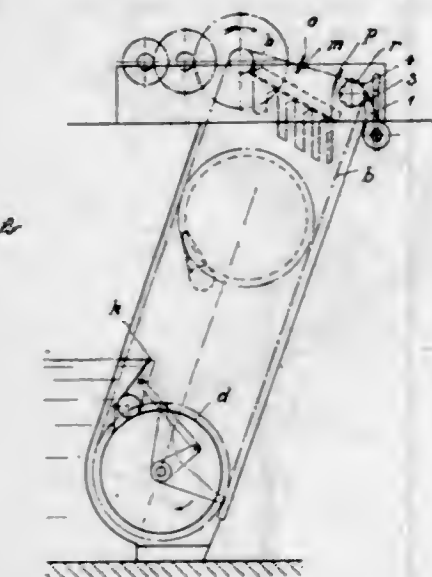
1. The combination with a mounting plate having a body portion and a hollow portion projecting angularly from the body portion and which hollow portion has slots in its opposite sides and open ended at the end of

said hollow portion that is more remote from the body portion of the plate; of a handle having shaft portions received in said slots; and a keeper in the form of a shell which has an end wall having a portion held in engagement with the body portion of said plate and a



portion closely approaching the ends of the shaft portions and which end wall also has an inset shoulder laterally spaced apart from the body portion of the plate and extending toward said hollow portion, said shaft portions projecting into the space between said plate body portion and inset shoulder.

1,736,850. ROLLER WEIR. FRIEDRICH DUWE, Mainz, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nürnberg, Germany, a Corporation of Germany. Filed Jan. 25, 1928, Serial No. 249,321, and in Germany Aug. 18, 1927. 3 Claims. (Cl. 61-22.)

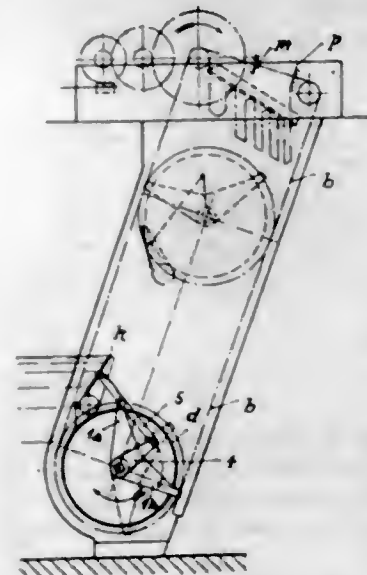


1. In a drum weir, a drum, an extension gate hinged thereto, a chain adapted to pass around said drum in sliding engagement therewith, stationary stops for said chain, an additional stopping device adapted to engage said chain at any desired point so as to control the motion of said chain between zero-load and a maximum load as determined by said stationary stops, and means for operating said additional stopping device at will.

1,736,851. ROLLER WEIR WITH EXTENSION GATE. FRIEDRICH DUWE, Mainz, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nürnberg, Germany, a Corporation of Germany. Filed Jan. 25, 1928, Serial No. 249,322, and in Germany Aug. 18, 1927. 2 Claims. (Cl. 61-22.)

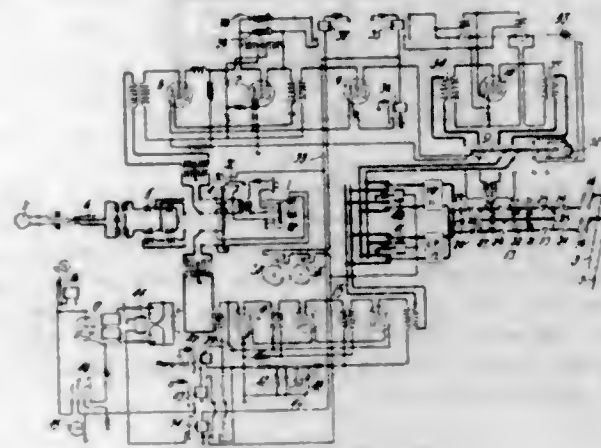
1. In combination with a drum weir, a drum-body, an extension gate hinged thereto, a chain adapted to pass

around said drum-body in sliding engagement therewith, a two-arm lever pivotally mounted within said drum-body, at least one arm of said lever being in engagement



with said chain, and a second lever adapted to transmit the motion of said chain when in condition of no-load to said extension gate.

1,736,852. POWER-LINE SIGNALING. PORTER H. EVANS, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1923. Serial No. 664,432. 7 Claims. (Cl. 179-2.5.)



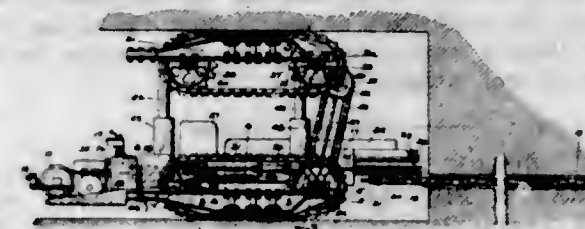
1. In a system for signaling, a high voltage transmission line, a plurality of stations connected to said line and each having high frequency transmission and high frequency reception apparatus, means at at least one station to selectively call any other station and communicate therewith telephonically with waves of a predetermined frequency, and means at an idle station actuated by calling or telephone currents to indicate that the signaling circuit is busy.

5. A capacity device for connecting a power line and signaling apparatus comprising an elevated structure located at a point away from the power line, parallel aerials supported thereby independently of the power line, one of said aerials being electrically connected to said power line, and another of said aerials being electrically connected to said signaling apparatus.

1,736,853. MINING MACHINE. DUDLEY T. FISHER, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 8, 1924. Serial No. 697,810. 31 Claims. (Cl. 262-28.)

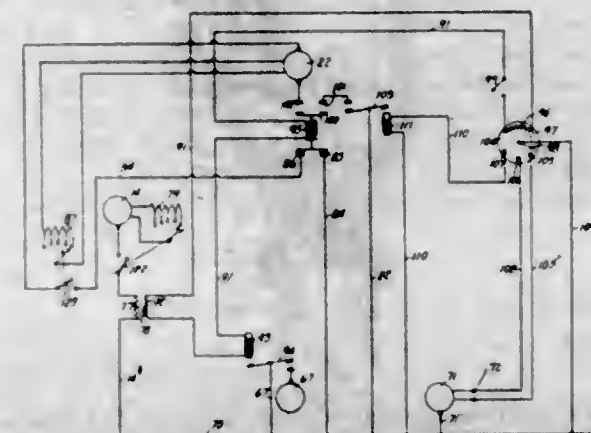
1. In a mining apparatus, the combination with a main frame supported upon dirigible traction devices

adapted to move said main frame relative to the material to be mined, of roof engaging devices mounted upon said



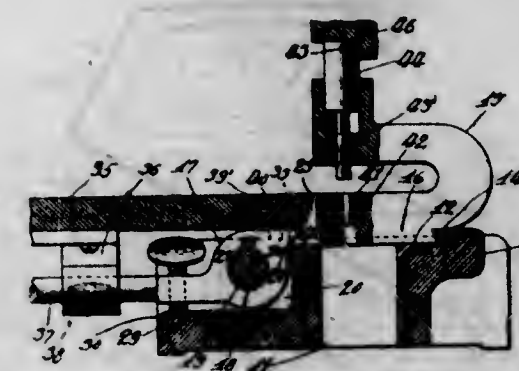
main frame and adapted to move with and cooperate with said traction devices to resist lateral strains exerted upon said main frame.

1,736,854. WELL-DRILLING APPARATUS. DION L. JOHNSON and WELDEN F. BARNES, Tulsa, Okla. Filed Dec. 5, 1927. Serial No. 237,787. 9 Claims. (Cl. 172-28.9.)



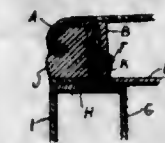
1. Well drilling apparatus comprising separate tool operating, tool feeding and tool hoisting mechanisms, each including an individual motor, a primary circuit for supplying current to each motor, a secondary circuit, a switch under influence of the secondary circuit to effect operation of the tool feeding motor relatively with operation of the tool operating motor, and a switch under influence of the secondary circuit to effect operation of the tool hoisting motor upon excessive resistance of the tool to the tool operating motor.

1,736,855. PUNCH MACHINE. PETER A. JUUL, Chicago, Ill., assignor to Latham Machinery Company, a Corporation of Illinois. Filed Aug. 13, 1924. Serial No. 731,725. 9 Claims. (Cl. 164-90.)



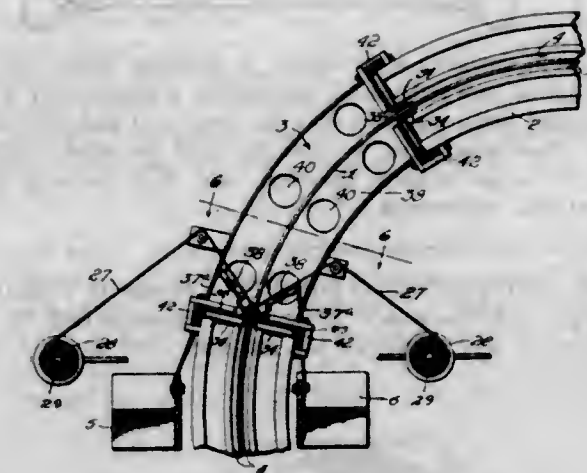
1. A punching machine comprising a base, a punch block detachably secured to said base, a shaft rigidly mounted on said base and means slidably mounted on said shaft and engageable with said base and punch block for securing said punch block to said base.

1,736,856. CONSTRUCTION OF CLOSED VEHICLE BODIES. THOMAS PAUL LOHRMAN, Detroit, Mich. Filed Feb. 8, 1926. Serial No. 86,837. 1 Claim. (Cl. 296-137.)



A closed vehicle body having a roof frame so constructed as to form a detachable unit and positioned at the upper side of the body thereof, said roof frame comprising an outer frame-forming rail constructed of suitable metal, the upper edge of said frame-forming rail turned outwardly and downwardly so as to form the upper portion of a channel formation at the outer edge of said roof frame; a frame-forming rail at the upper and outer edge of the body, said rail being constructed of metal, and cross-sectionally representing an inverted letter T, said rail providing a suitable member for securing said roof frame thereto, and also providing the lower portion of the channel formation previously referred to; an outer deck covering of suitable fabric, a flexible strip of material secured to the outer edge of said deck covering, and within said channel formation.

1,736,857. ELECTRODEPOSITING APPARATUS. WILLIAM W. MCCORD, Wyandotte, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed July 6, 1926. Serial No. 120,706. 18 Claims. (Cl. 204-5.)

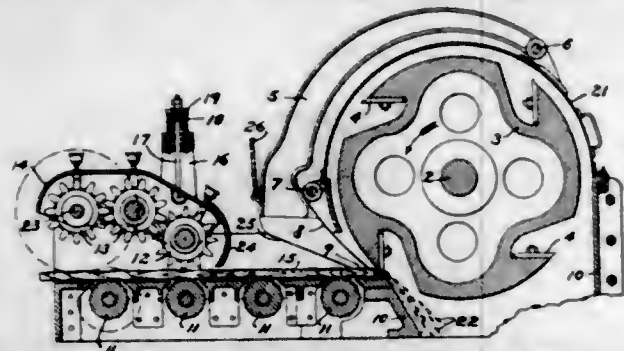


1. In an electro-depositing apparatus, the combination with an endless cathode, of a trough containing an electrolyte for the cathode and following the contour thereof, said cathode being in hand form and extending edgewise downward into the trough for the deposit of metal on the portion of the cathode in the trough, said trough having a gap between its ends to expose the portion of the cathode movable through the trough, so that the metal deposited on the cathode may be continuously stripped therefrom in the gap, and means for moving the cathode through the trough.

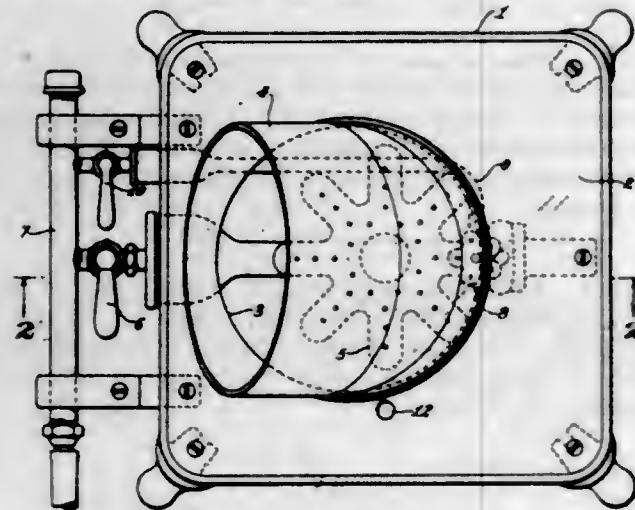
1,736,858. CHIPPER. WILLIAM J. MERKEL, Shorewood, and ERNEST C. SHAW, Milwaukee, Wis.; said Shaw assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 23, 1922. Serial No. 596,200. 4 Claims. (Cl. 83-75.)

1. In combination, a cutter movable about an axis, means for urging material toward the path of movement of said cutter, an arm pivotally supported near one portion of said

path and engageable with the material near another portion, and thrust reaction means coacting with said arm between the said path portions for guiding and for resisting displacement of said arm into said path by the entering material.

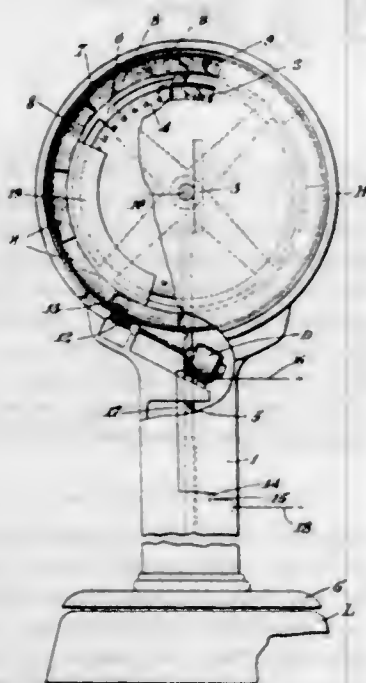


1,736,859. HEATING APPLIANCE. ANNE L. OAKLEY, Carsonville, Mo. Filed Nov. 10, 1928. Serial No. 318,318. 4 Claims. (Cl. 126-85.)



1. A room heater, comprising, a heating unit, and a flue extending upwardly and positioned eccentrically over said unit and having a wall leaning over said unit whereby the heat from said unit is concentrated on said leaning wall so as to be heated thereby, said flue turning forwardly at its upper end.

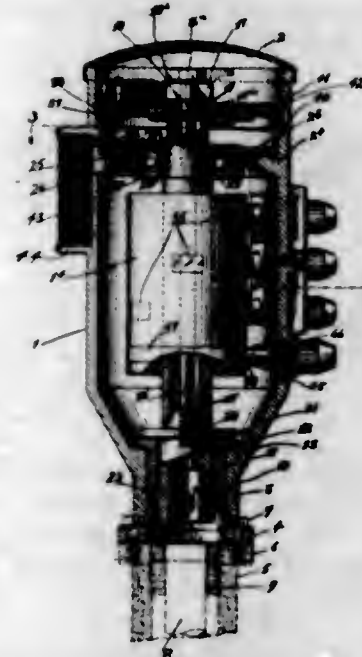
1,736,860. ADVERTISING DEVICE. JAMES E. O'BRIEN, Brooklyn, and THOMAS F. O'BRIEN, Richmond Hill, N. Y. Filed Dec. 1, 1927. Serial No. 236,993. 7 Claims. (Cl. 40-53.)



1. An advertising device comprising a scales platform, a weight indicating member connected therewith, a movable

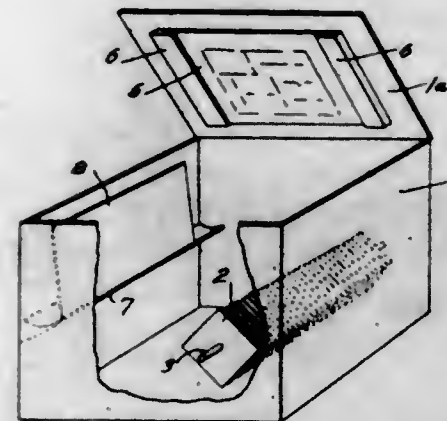
advertising element arranged to be visible adjacent the weight indicating member said advertising element comprising a rotatably mounted wheel upon an annular portion of which items are carried, and means automatically operable by the imposition of weight upon the scales platform to thereby rotate the wheel continuously in the presence of said weight.

1,736,861. SPARK PRODUCING AND DISTRIBUTING APPARATUS FOR INTERNAL COMBUSTION ENGINES. VITAL PAQUIT, New York, N. Y. Filed Jan. 25, 1923. Serial No. 615,448. 5 Claims. (Cl. 200-20.)



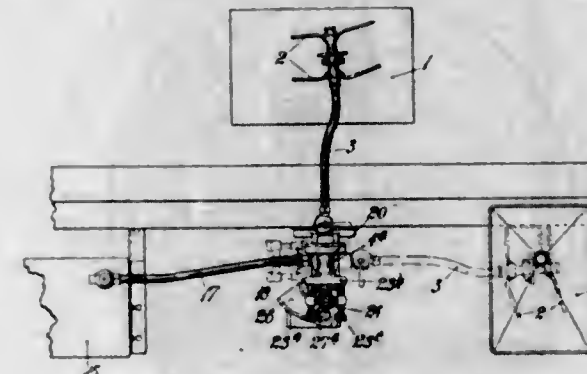
1. An ignition apparatus embodying: a distributor casing of elongated form for vertical use having its upper portion a circuit breaker operated by a cam having a marked projection and secured on the distributor shaft by means of a bolt, said bolt distributor and cam being removably secured together and revoluble in said casing, a sleeve enclosing the bolt, the distributor being of elongated form and having a plurality of wipe contacts equi-spaced alongside its axis in combination with stationary contacting elements therefor adapted to the distributor casing, an oscillatory plate carrying said circuit breaker and a contact member connected therewith, a conductive strip having a bent terminal portion to engage said contact member and a binding post connected thereto for low tension current connection.

1,736,862. ETCHING MACHINE. FRANK T. POWERS, Douglaston, N. Y. Filed Sept. 15, 1926. Serial No. 135,696. 6 Claims. (Cl. 41-9.)



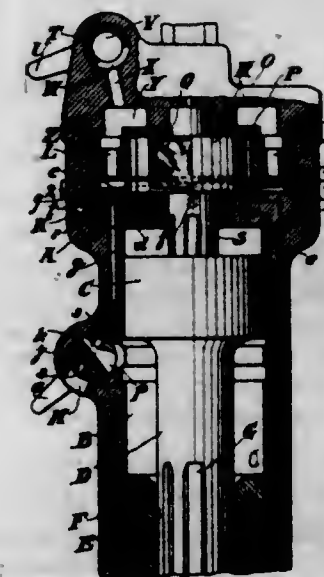
1. A device for spraying a fluid comprising a rotatable member composed of thin elements having the form of a rectilinear polygon mounted at spaced distances apart on a shaft.

1,736,863. PUMP OF WAFER-BISCUIT AND SIMILAR MACHINES. WILLIAM EDWARD PRESCOTT, London, England, assignor, by mesne assignments, to Baker Perkins Company Inc., Saginaw, Mich., a Corporation of New York. Filed Sept. 26, 1925. Serial No. 58,702, and in Great Britain Nov. 5, 1924. 10 Claims. (Cl. 107-27.)



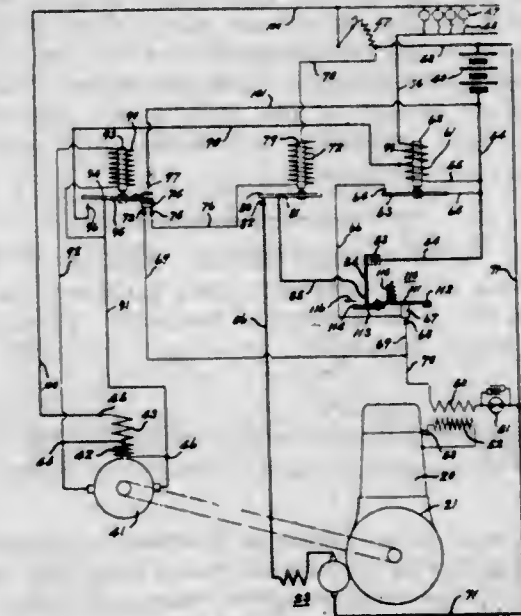
1. In feed mechanism for food machines, the combination with a nozzle adapted to deposit wafer material in an associated mould and movable to and away therefrom, and a pump for supply of wafer material to said nozzle, of an auxiliary pump adapted to withdraw or reverse the flow of wafer material in said nozzle immediately deposit has taken place in order to prevent drip of material from said nozzle, and common operating means for both pumps aforesaid.

1,736,864. BLOWING DEVICE FOR ROCK DRILLS. WILLIAM A. SMITH, Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 14, 1928. Serial No. 325,986. 4 Claims. (Cl. 121-6.)



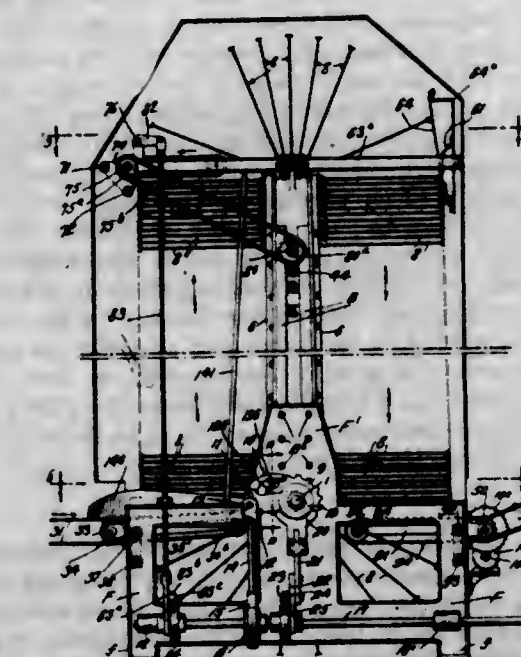
1. In a fluid actuated rock drill, the combination of a cylinder and a piston having a fluted extension, an exhaust port in the cylinder, a valve chamber, inlet passages leading from the valve chamber to the cylinder, a distributing valve in the valve chamber controlling the inlet passages, a blower valve for closing the exhaust port to arrest the movement of the distributing valve thus causing pressure fluid to flow through only one inlet passage into the cylinder and through the flutes in the piston extension, a passage leading from the valve chamber to the exhaust port and controlled by the valve, and a port injecting pressure fluid from the valve chamber through the passage to create a vacuum in a portion of the valve chamber tending to maintain the distributing valve firmly seated during the blowing operation.

1,736,865. ELECTRICAL GENERATING SYSTEM. FRANK F. STARR, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 3, 1925. Serial No. 47,717. 7 Claims. (Cl. 290-30.)



7. Electrical generating apparatus, comprising in combination, a relatively high-voltage work circuit, a relatively low voltage battery, an engine, electrical apparatus connected with the engine for cranking the same and for supplying current to the work circuit and for charging the battery, a control circuit for the engine, means for connecting the electrical apparatus with the battery for cranking the engine when there is a demand for current in the work circuit and for controlling the engine control circuit, said means including a magnet winding, energized by the battery, a circuit including said magnet winding said battery and said work circuit, said third mentioned circuit being maintained closed throughout the operation of the apparatus, a second magnet winding for maintaining said control circuit as under the influence of the first winding, and means operable after the engine is self-operative for short circuiting the first magnet winding.

1,736,866. DRYING APPARATUS FOR PLATES OF METAL AND OTHER MATERIAL. CHARLES WAGNER, Grantwood, and AUGUST HORMEL, Jersey City, N. J., assignors to Charles Wagner Litho. Machinery Company, Inc., a Corporation of New York. Filed Sept. 14, 1925. Serial No. 56,120. 13 Claims. (Cl. 198-154.)



1. Apparatus for drying wet plates embodying elevating mechanism suitably mounted and driven and having ascend-

ing and descending portions, elongated plate-supporting carriers having permanent connections at the edge at one side thereof with said elevating mechanism and being free at their opposite edges and carried with said elevating mechanism and through the entire cycle of movement of said elevating mechanism, and means located below the free ends of said plate carriers for shifting a supported plate edgewise into supporting contact with plate carriers on the descending portion of such mechanism, to cause the same bottom surface of the plate to be again engaged and said plate to descend in a horizontal position with the same face uppermost.

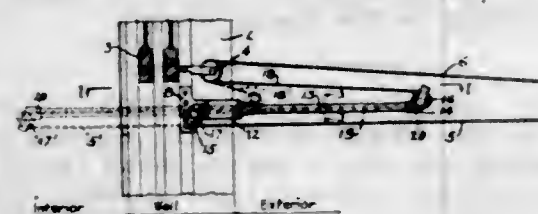
1,736,867. AUTOMOBILE DOOR. EDWARD A. WETZEL, Royal Oak, Mich., assignor to Hale & Kilburn Co., Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 13, 1925. Serial No. 23,170. 14 Claims. (Cl. 296-44.)



1. In a door of the character described, in combination, a pillar strip having an outward flange along one edge and an inward flange along its other edge, and a panel strip secured at one edge to the outward flange of the pillar strip and having at its other edge a flange seating against and secured to the body of the pillar strip, said panel strip having an inwardly extending portion forming a window runway in conjunction with the inward pillar strip flange.

5. In a door of the character described, a sheet metal post pre-formed with a dovetail recess along its face and with an outwardly extending flange along one edge, and a panel member attached along one edge to said outwardly extending flange and having another portion secured to a wall of said dovetail recess.

1,736,868. CLOTHESLINE ATTACHMENT. SCHAI A. WINETT, New York, N. Y. Filed Aug. 22, 1927. Serial No. 214,518. 1 Claim. (Cl. 68-3.)

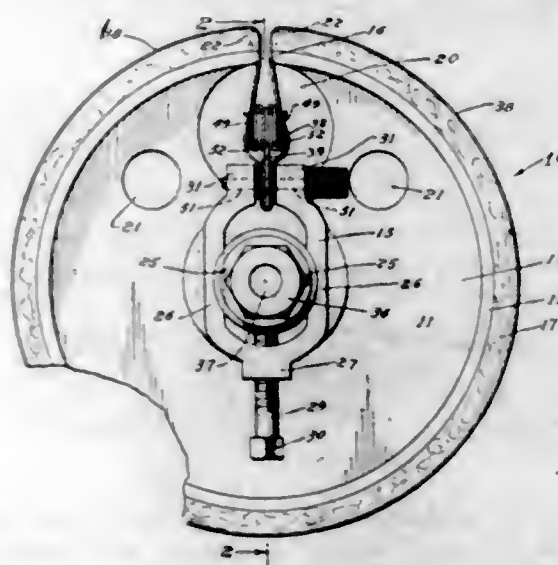


In a clothesline attachment, the combination with a continuous clothesline and a stationary pulley adjacent to an opening in a building, of a bracket carried adjacent to the opening and having a passage therethrough, a slide formed with an axially extending passage and slidable in the passage of the bracket and through said opening between a position without the building and a position there-within, a pulley block carried at the outer end of the slide and extending in one direction therefrom, a pulley carried by the pulley block about which the clothesline is directed from the stationary pulley and from which the clothesline is directed through the passage in the slide, a pulley block carried at the inner end of the slide and extending therefrom in a direction opposite to that of the first named pulley and a pulley carried by the pulley block about which the clothesline passing through the slide from the second pulley is directed.

1,736,869. ABRASIVE DEVICE. FRANK O. ALBERTSON and GUSTAV OLSEN, Sioux City, Iowa, assignors to Albertson & Company, Inc., Sioux City, Iowa, a Corporation of Iowa. Filed Apr. 18, 1927. Serial No. 184,476. 9 Claims. (Cl. 51-197.)

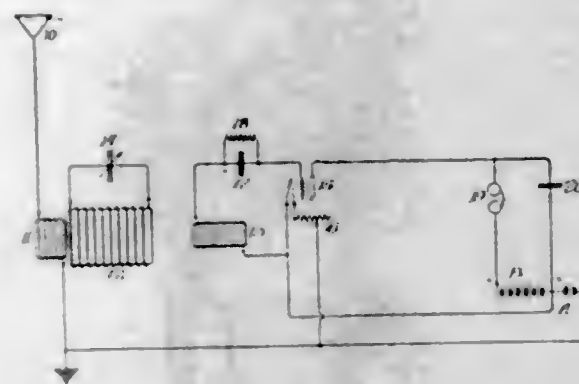
1. In an abrasive device, the combination of a metal wheel comprising a hub, a rim, and means supporting said

rim on said hub, said rim having a longitudinal slot through the same, with an abrasive band extending about said rim and having its ends projecting through said slot.



securing means for the ends of said band, and tightening means comprising a yoke slidably engaging said hub, a screw bearing on said hub and a removable pin pivotally connecting said yoke and securing means.

1,736,870. APPARATUS FOR HIGH-FREQUENCY COMMUNICATION. HENRY B. BARSON and GEORGE WARICK ANKERSEN, Chicago, Ill. Filed Jan. 13, 1926. Serial No. 80,904. 2 Claims. (Cl. 250-27.)

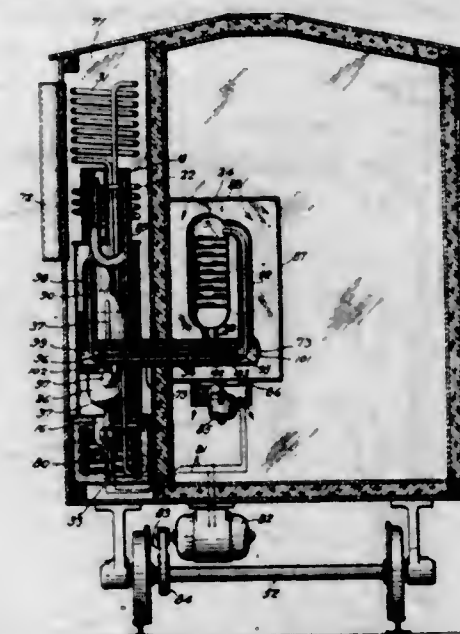


2. In a high frequency communicating system, the combination of a high loss work coil, a resonant tuning circuit comprising a low loss coil mounted in co-axial alignment and loose inductive relationship with said work coil, and means for energizing said tuning circuit comprising an input coil having a close inductive coupling with the coil of said tuning circuit and having a relatively negligible coupling with the work coil.

1,736,871. REFRIGERATION. SIGURD MATTHIAS BÄCKSTRÖM, Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y., a Corporation of Delaware. Filed May 4, 1927. Serial No. 188,652, and in Sweden May 22, 1926. 10 Claims. (Cl. 62-117.)

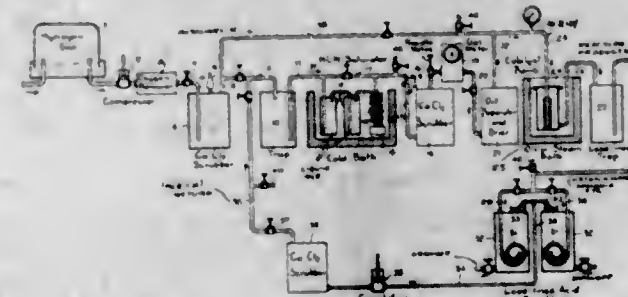
1. A refrigerator car having wells forming a major cooling space and a lateral space, a vapor generator in said lateral space, a heater for said generator, elements connected to said generator forming a refrigerating system in-

cluding an evaporator in said major space and a heat rejecting element in said lateral space, louvers for circulating



air through said lateral space, and means responsive to the speed of the vehicle for controlling the heating effect of said heater.

1,736,872. METHOD OF MAKING METHYLAMINE. GEORGE BARSKY, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Mar. 30, 1926. Serial No. 98,409. 17 Claims. (Cl. 260-127.)



1. A method of making methylamine which comprises providing a mixture of hydrogen and hydrocyanic acid gas, passing the same through a hydrogenating catalyst, and maintaining the temperature thereof between 150° C. and 170° C.

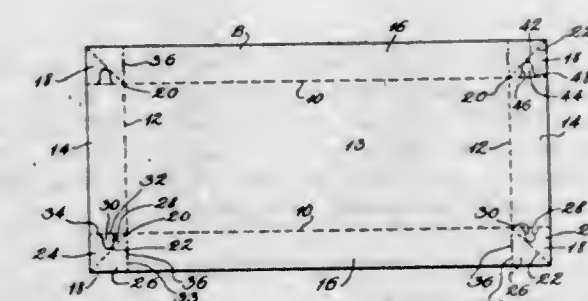
1,736,873. METALLIC LATHING. FRANCIS M. BARTON, Chicago, Ill., assignor to Barton Spider Web System, Chicago, Ill., a Corporation of Illinois. Filed Oct. 21, 1926. Serial No. 143,063. 1 Claim. (Cl. 72-116.)



A metallic lath consisting of a sheet of metal having a substantially continuous series of parallel corrugations extending across it and comprising alternating series of

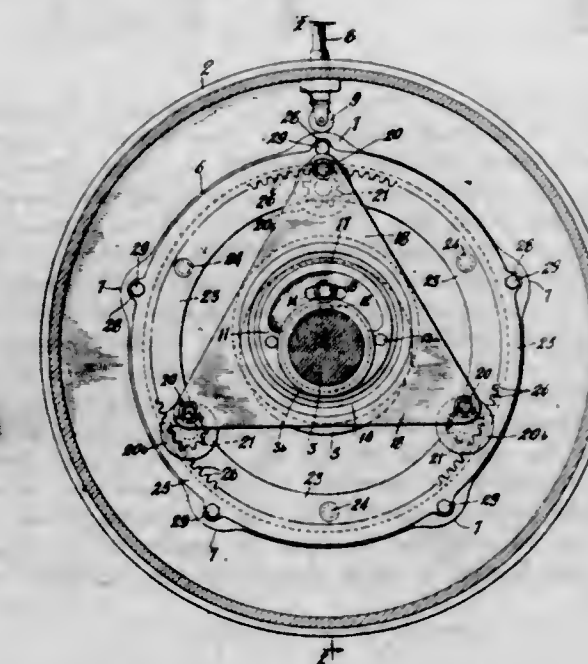
crowns at opposite faces of the sheet and side portions extending transversely between the crowns, and tongues struck wholly from the side portions, said tongues being connected at one end thereof to the sheet adjacent one series of crowns and having their other ends bent into the grooves between the other series of crowns and terminating inwardly of and adjacent the plane of said other series of crowns, both series of crowns being imperforate and continuous.

1,736,874. COLLAPSIBLE CONTAINER. DANIEL J. BELLIN, Bronx, New York, N. Y. Filed Oct. 25, 1927. Serial No. 228,546. 5 Claims. (Cl. 229-31.)



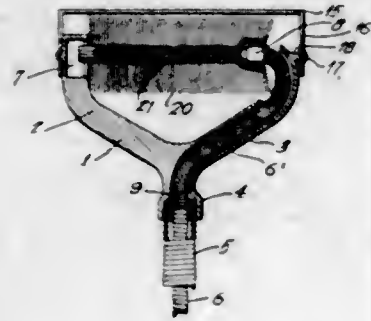
2. A container having end and side walls connected by corner portions, each corner portion being folded diagonally and lying against a wall of the box, a slit being formed at an edge of the corner portion, and a tongue cut so as to be folded from another edge of said corner portion to engage in said slit.

1,736,875. SPEED-REDUCTION MECHANISM. ROBERT W. A. BREWER, Jenkintown, Pa., assignor to Harold F. Pitcairn, Bryn Athyn, Pa. Filed Apr. 20, 1927. Serial No. 185,123. 4 Claims. (Cl. 74-14.)



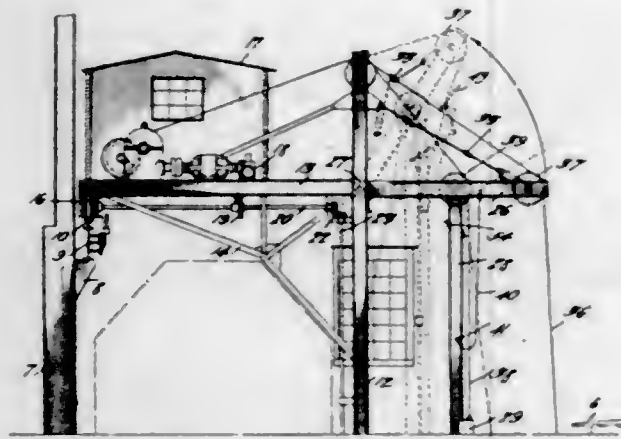
1. A speed reduction mechanism comprising, in combination, an eccentric sheave actuated by a driving means, and adjustably related thereto, a strap operated by said eccentric, a plurality of pins actuated by said strap, said pins forming cranks having a throw equal to the throw of the eccentric, a plurality of gears rotated by said cranks, and a common gear member associated with and acted upon by said plurality of gears.

1,736,876. POWER-DRIVEN TOOTHBRUSH. EDWIN S. BROTHERS, Brooklyn, N. Y. Filed May 9, 1927. Serial No. 189,802. 7 Claims. (Cl. 15-23.)



1. In a device of the character described, a yoke-like frame, a flexible shaft extending through one arm of the frame and beyond the end of said arm, a hub, one end of which is carried directly by the shaft and the other end of which is journaled in the frame, and a brush mounted on said hub between the arms.

1,736,877. ELEVATOR. DAVID DALIN and ARTHUR L. SENN, Seattle, Wash. Filed Dec. 7, 1927. Serial No. 238,429. 1 Claim. (Cl. 214-14.)

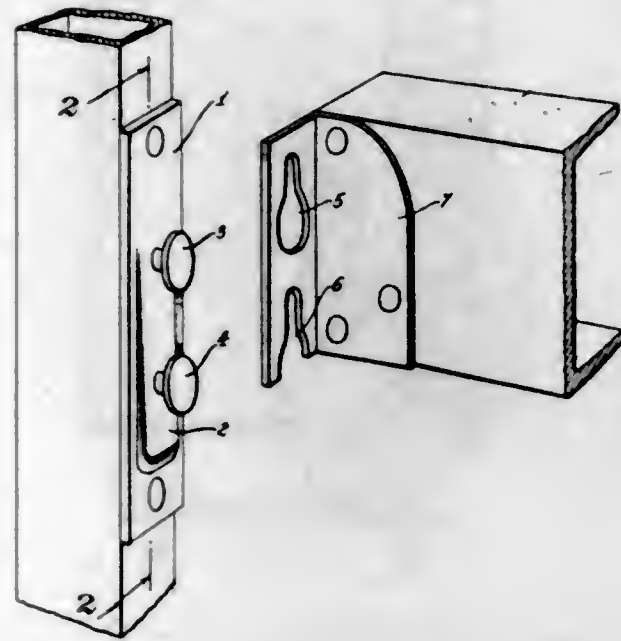


A ship loading apparatus for use on a dock including trackways laid longitudinally of the dock, a superstructure running on the trackways, a boom pivotally carried by the superstructure, elevator hangers pivotally carried by the boom and superstructure, the said hangers being adapted to be positioned beyond the edge of the dock by the swinging of the boom, a brace bar pivotally connected to the superstructure and to the lower end of the hangers to sustain the hangers in vertical position, the hangers remaining in a vertical position regardless of the position of the boom, elevator guides slidably carried by the hangers, a stop carried on the hangers, a second stop carried on the guides to engage the first mentioned stop, a horizontal platform traveling on the guides and offset on the said guides adjacent the top and adapted to be engaged by the platform to slide the guides to an upper position and means to raise and lower the platform on the guides.

1,736,878. BED CONSTRUCTION. WILLIAM J. DEYALL, St. Louis, Mo., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 28, 1927. Serial No. 222,477. 4 Claims. (Cl. 5-299.)

1. In a bedstead corner fastening, a post plate having a vertical plane face, a wedge-shaped projection on said face beginning medially of the plate and extending downwardly and forwardly thereof, a headed pin extending forwardly of the plate and located substantially at the top of the projection, a second pin situated on the projection

below the first pin, a rail plate having an upper slotted opening to receive the first pin and a second opening to receive the second pin, the length of the headed pin and the thickness of the rail plate being such that when the



plates are assembled, the upper and lower parts of the rail plate only are in contact with the post plate and projection, and the medial part is forced outwardly against the head of the pin.

1,736,879. BACKBOARD. ELMER J. GROSS, Chicago, Ill., assignor to Chicago Gymnasium Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed June 29, 1928. Serial No. 289,293. 6 Claims. (Cl. 273-1.)



1. A basket-ball backboard comprising a laminated wood board sheathed in metal, a facing attached to said board comprising a lower portion consisting of laminated wood sheathed in metal and an upper portion of vitreous material abutting against and flush with said lower portion.

1,736,880. TUNING DEVICE FOR WIND MUSICAL INSTRUMENTS. EDWARD J. GELICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Oct. 11, 1928. Serial No. 311,716. 9 Claims. (Cl. 84-386.)

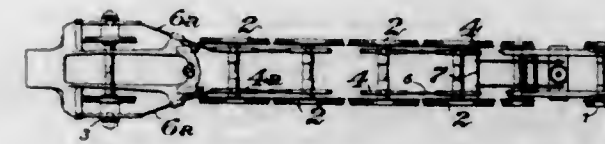
5. In a tuning device for wind reed musical instruments, a tubular instrument end, a tuning slide arranged

within said instrument end, a sleeve element rigidly encompassing and connected with said tuning slide exterior, a complementary boss and slot connection between said sleeve and the instrument and exterior to prevent rota-



tion of said tuning slide, a rotary actuating collar encompassing said instrument end and sleeve, and right and left hand screw thread connections between said collar, instrument end and sleeve to reciprocally actuate said tuning slide.

1,736,881. LOCOMOTIVE. ROBERT F. HALL, Schenectady, N. Y. Filed May 12, 1927. Serial No. 190,706. 8 Claims. (Cl. 105-82.)



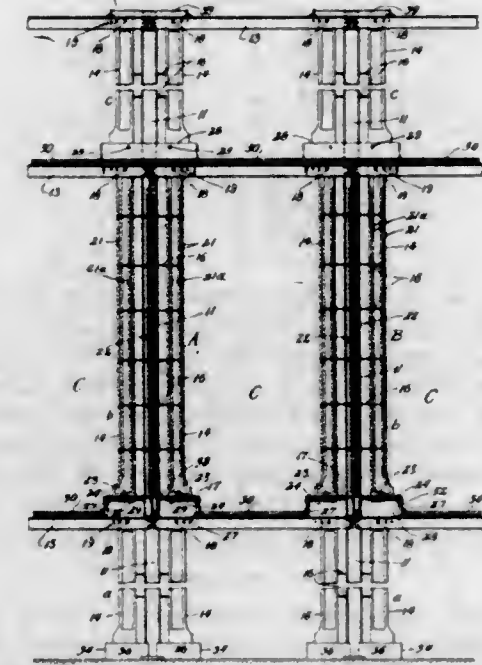
1. In a locomotive, the combination of a frame; a group of driving wheels, journaled therein; a leading truck, swivelling, relatively to said frame; equalizing means on each side of the locomotive, interposed between the driving wheels and the truck, including a transverse equalizer connecting the equalizing means at points forward of the group of drivers and means having connections with said transverse equalizer and truck at points on each side of the longitudinal center of the locomotive adapted to transmit and deliver weight to the truck on opposite sides of its longitudinal middle plane.

1,736,882. FURNACE-WALL CONSTRUCTION. GEORGE P. JACKSON, Flushing, N. Y., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1925. Serial No. 60,016. 2 Claims. (Cl. 122-6.)



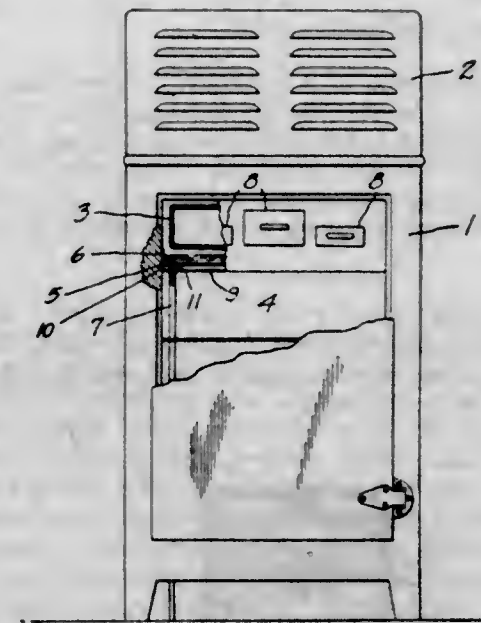
2. A furnace wall comprising, in combination, structural work, an outer metallic shell secured thereto, a lining for the shell, a water wall of upright tubes spaced from said lining, refractory blocks in the space between the lining and the tube wall, said blocks having grooves therein whereby the blocks are adapted to fit partly around said tubes, and means for supporting the blocks in groups from the metallic shell.

1,736,883. BOOKSTACK. ANGUS S. MACDONALD, Great Neck, N. Y., assignor to Snead & Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 30, 1927. Serial No. 222,356. 9 Claims. (Cl. 211-114.)



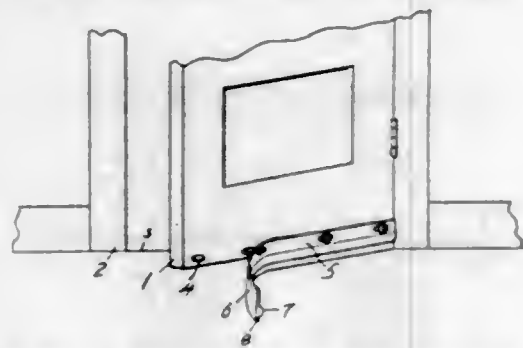
2. A bookstack comprising in combination with upright and horizontal structural building members, shelf supports suspended from said horizontal members and adjacent said upright members, shelves supported by the upright members and said supports, and a bottom shelf secured to the supports at the bottom thereof.

1,736,884. REFRIGERATOR. GEORGE W. MASON, Detroit, Mich., assignor to Copeland Products, Inc., Detroit, Mich., a Corporation of Michigan. Filed Aug. 12, 1926. Serial No. 128,734. 2 Claims. (Cl. 62-95.)



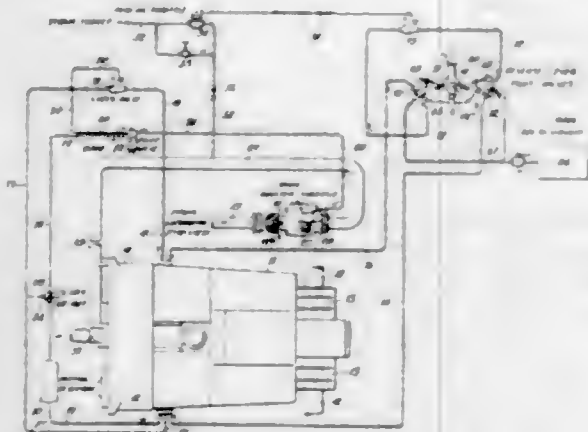
1. In a refrigerating cabinet, an expansion element, a container below said element adapted to receive drippings from said element, a second container below the first mentioned container adapted to receive drippings therefrom, and means for limiting the level of said drippings in the first mentioned container to a point between the top and bottom thereof and for draining the second mentioned container.

1,736,885. DETACHABLE WEATHER STRIP. MAURINE B. MORRILL, Beverly Hills, Calif. Filed Sept. 24, 1928. Serial No. 307,865. 3 Claims. (Cl. 20-69.)



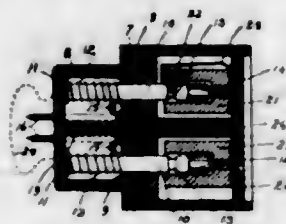
1. In a wall closure, the combination with the floor and the door hung above said floor, of a demountable weather strip having a flat inner surface abutting the face of said door and reaching down to said floor, there being along the face of the door, near its bottom edge and in the upper portion of the strip male and female interengageable elements capable of supporting the strip on the door, the strip being made thin and flexible along its lower edge and having a reinforcing head above said flexible portion.

1,736,886. BOOSTER CONTROL. FRANK RICHARD PETERS, New York, N. Y., assignor to Franklin Railway Supply Company, New York, N. Y., a Corporation of Delaware. Filed July 9, 1927. Serial No. 204,509. 21 Claims. (Cl. 105-48.)



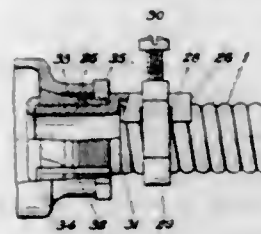
9. The combination of a locomotive, a reversing mechanism therefor, a booster, means for entraining the booster with the locomotive for aiding forward running, means for entraining the booster with the locomotive for aiding backward running, and means controlled by the locomotive reverse for causing correlative entrainment of the booster.

1,736,887. ELECTRIC PLUG AND SOCKET. WILLIAM JACOB PRITCHETT, Sydney, Australia. Filed Sept. 7, 1927, Serial No. 218,065, and in Australia Nov. 19, 1926. 1 Claim. (Cl. 173-332.)



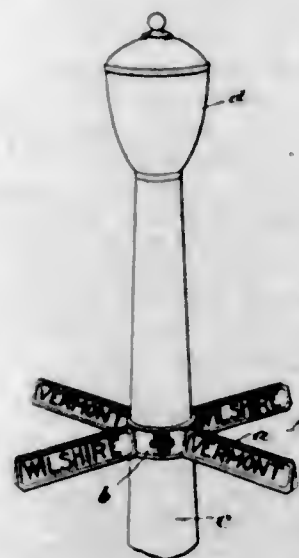
An electrical plug and socket fitting comprising a base portion, a plurality of pins slidably mounted on said base portion, each of said pins being provided with a groove, spring means normally holding said pins in fixed position with respect to said base portion, a plurality of sockets, means on said sockets for yieldably engaging said grooves, and insulating means surrounding the end of each pin adjacent said groove.

1,736,888. CONDUIT FITTING. HOWARD A. SELAH, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1926. Serial No. 158,254. 1 Claim. (Cl. 247-25.)



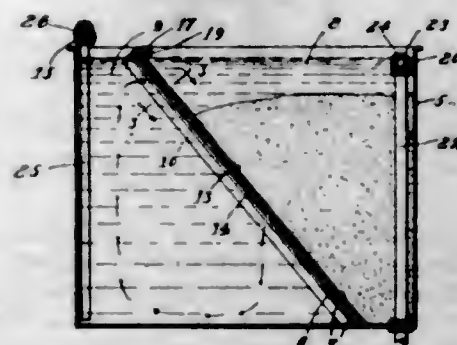
In a conduit fitting, the combination of a body having a conduit-receiving opening; a contractible slotted sleeve arranged in the opening adapted to receive a threadless conduit; means contracting the slotted sleeve; a securing sleeve clamped in the slotted sleeve; a clamp extension on the securing sleeve adapted to receive a flexible conduit in alignment with the opening in the securing sleeve; and a clamping means on the extension adapted to clamp a flexible conduit in the extension.

1,736,889. SIGN. WILLIAM F. SMITH, Los Angeles, Calif. Filed Feb. 27, 1928. Serial No. 257,363. 2 Claims. (Cl. 40-145.)



1. In a device of the character disclosed, an annulus formed with a member extending from the periphery thereof, a frame formed with a socket portion adapted to receive said extended portion of the annulus, said frame likewise being provided with angularly related facial portions.

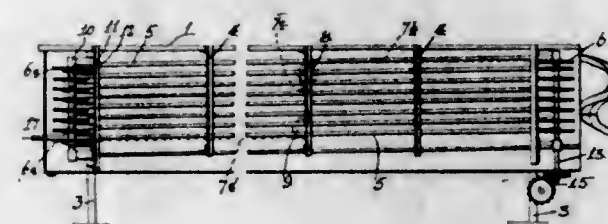
1,736,890. WATER-SOFTENER BRINE TANK. ORLAND RUSSELL SWEENEY, Ames, Iowa, assignor to Ward-Love Pump Corporation, Rockford, Ill., a Corporation of Illinois. Filed Dec. 30, 1925. Serial No. 78,283. 5 Claims. (Cl. 23-285.)



1. In a tank of the character described comprising a liquid receptacle, a salt compartment therein formed by

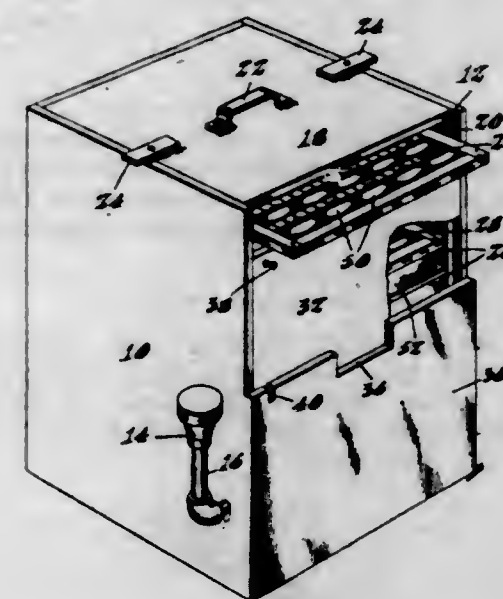
a sloping diaphragm extending from side to side of the receptacle, said diaphragm being of foraminous material to permit of the passage therethrough of the liquid but serving to retain the salt, the upper portion of said diaphragm being substantially vertical.

1,736,891. EXHAUST BOX. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed May 7, 1927. Serial No. 189,722. 6 Claims. (Cl. 195-136.)



1. In an exhaust box, an endless traveling can propelling member ascending in a series of superposed convolutions; and means applied separately and independently to each convolution of said member for adjusting the tension thereof.

1,736,892. APPARATUS FOR TEMPERING SHOE PARTS. FRED E. TOOTHAKER, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 24, 1925. Serial No. 58,387. 10 Claims. (Cl. 91-46.)



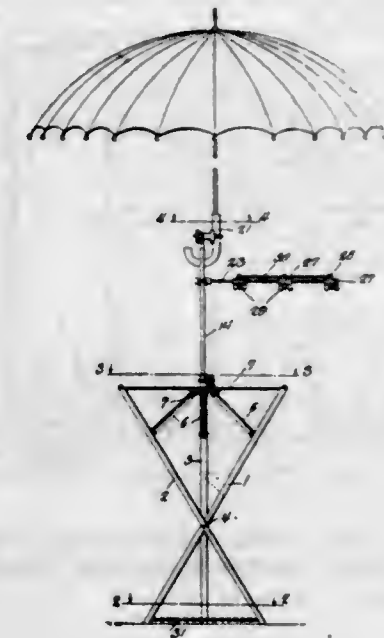
1. An apparatus for tempering shoe-parts having, in combination, a receptacle for softening liquid having an opening in the top and one of the sides thereof, a carrier for shoe-parts slidable in the receptacle and having a top shaped to close the opening in the top of the receptacle, and a slide adapted to close the opening in the side of the receptacle.

1,736,893. COMBINATION UMBRELLA AND CHAIR. JOHN VZNEG, New Orleans, La. Filed Jan. 23, 1928. Serial No. 248,762. 3 Claims. (Cl. 155-136.)

3. A folding stool comprising a plurality of angularly related legs pivotally connected intermediate their ends, a flexible seat connected to the legs above their pivot, means

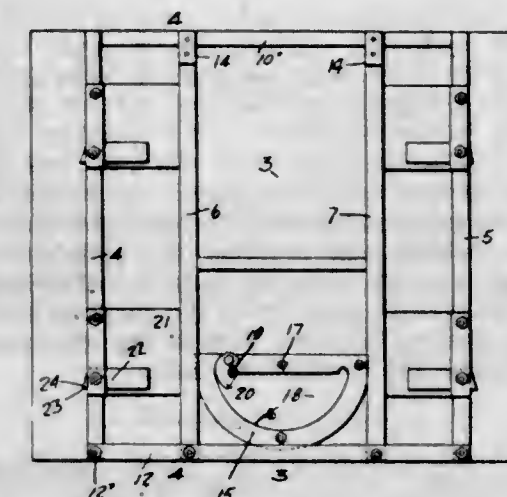
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connected to the legs between their pivot and the seat and adapted to be actuated by the weight of the occupant



of the seat to effect the application of a spreading force to the legs, and means connected to the legs below their pivot for limiting the spreading movement of the legs.

1,736,894. GRAIN-CAR DOOR. RONALD FRASER WHITE, Midland, Ontario, Canada. Filed Feb. 18, 1927. Serial No. 109,288. 1 Claim. (Cl. 20-27.)

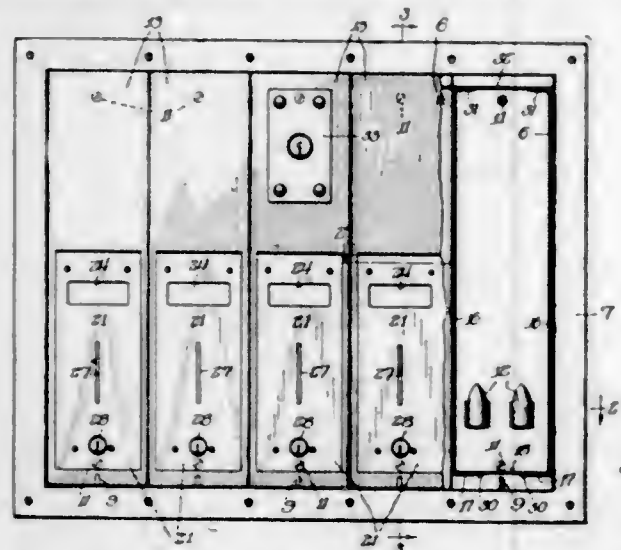


The combination with a grain car of a door having a segmental orifice approaching a semi-circle, a pivot bolt extending through the door concentric to the center of the orifice, a plate swung centrally upon the bolt forming a closure for the orifice, a frame plate conforming to the shape of the orifice and overlapping the edge thereof, securing bolts extending through the frame plate and door clear of the cover plate, a handle extending outward from the cover plate, a gravity latch swung upon the frame plate and adapted to automatically engage the handle when the cover plate is brought to the closed position to lock the cover plate in such position.

1,736,895. MAIL BOX. JAMES H. WARD, Jr., Gary, Ind., assignor to The Federal Mail Box Co., Inc., Gary, Ind., a Corporation of Indiana. Filed Aug. 15, 1925. Serial No. 50,389. 10 Claims. (Cl. 282-24.)

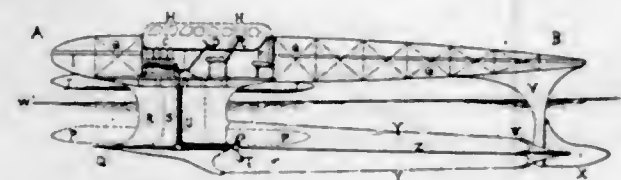
1. A mail box comprising a metallic casing, a closure member therefor swingingly mounted upon said casing, a

face plate bounding the outer edge of said casing, rivets for securing said face plate and casing together, the rivets



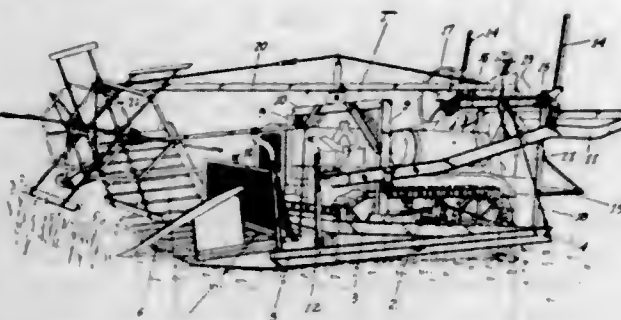
at the bottom of said casing being extended through a portion of said closure member to provide pivotal mounting means therefor.

1,736,896. NAVIGATING MACHINE. GENKICHI YAMANOCHI, Tokyo, Japan. Filed July 2, 1925, Serial No. 41,199, and in Japan Sept. 26, 1923. 1 Claim. (Cl. 114-66.5.)



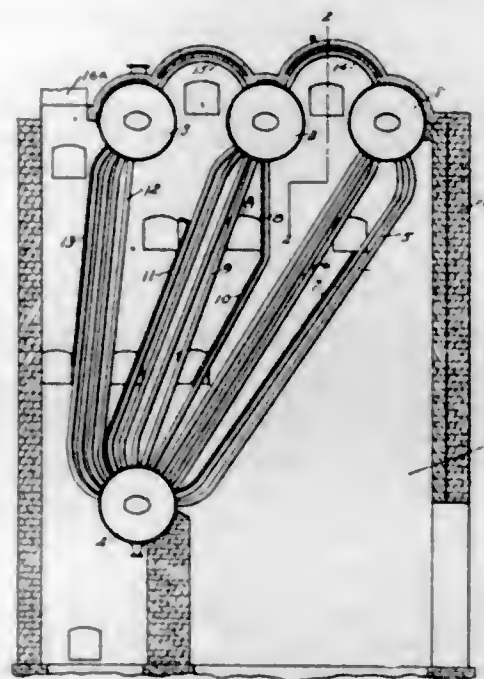
In a navigating vessel, a body including lateral wings, downwardly extending vertical ribs on said body and wings, an otter board connected with the ends of the ribs and extending laterally beyond the ends of the wings, vertical and horizontal rudders and a propeller, said rudders being located at the stern of the body, and the propeller being located forwardly thereof, the horizontal rudder being controlled at the body whereby, when navigating, the board, rudders and propeller are maintained sufficiently deep in water while the body is maintained sufficiently high above the water level, and auxiliary horizontal rudders located on the inner side of the otter board on opposite sides of the longitudinal center.

1,736,897. SELF-PROPELLED RICE HARVESTER. IVY G. ZUMWALT, Colusa, Calif. Filed Nov. 2, 1927. Serial No. 230,475. 6 Claims. (Cl. 56-22.)



1. In combination with a tractor, beams pivoted on the frame of the tractor and projecting forwardly thereof, a mower structure supported by the beams ahead of the tractor, longitudinally extending arms above said beams, means mounted on the tractor frame for pivotally supporting said arms intermediate their ends, means connecting said arms at one end with the beams, and means mounted on the tractor and applied to the other end of both arms for raising and lowering the same.

1,736,898. BOILER. GEORGE W. BACH, Erie, Pa., assignor to Union Iron Works, Erie, Pa., a Corporation of Pennsylvania. Filed Sept. 23, 1925. Serial No. 58,531. 1 Claim. (Cl. 122-302.)



In a boiler, the combination of a front upper drum; a second upper drum to the rear of the front drum; a lower drum; first and second banks of tubes connecting the front drum and the lower drum, the second bank of tubes extending in approximately a direct line between the drums; third and fourth banks of tubes connecting the second drum and the lower drum, the third bank of tubes being bent forwardly and out of parallel with the fourth bank of tubes to adjacent to the second bank of tubes; a baffle extending upwardly from the lower drum to the rear of the first bank of tubes; a baffle extending from the second drum downwardly along and to the rear of the third bank of tubes; a third drum to the rear of the second drum; a fifth bank of tubes connecting the third drum and the lower drum; a baffle extending upwardly from the lower drum along the rear of the fourth bank of tubes; a baffle extending downwardly from the third drum along the fifth bank of tubes; and tubes connecting the upper drums.

1,736,899. ELECTRICAL INSULATION. CHARLES R. BOGGS, Waban, Mass., assignor to Simplex Wire & Cable Company, Boston, Mass., a Corporation of Massachusetts. Filed June 28, 1927. Serial No. 202,155. 2 Claims. (Cl. 173-264.)

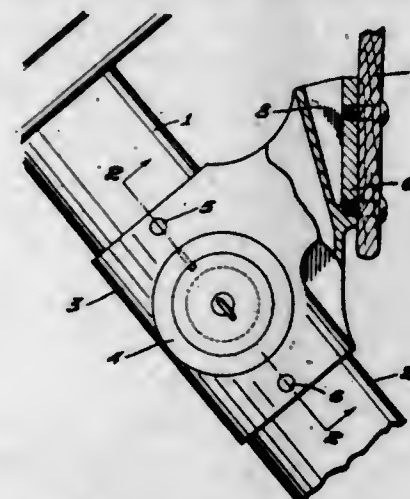


1. An insulated electrical conductor comprising a conducting core covered with a wall of synthetic rubber substantially free from active rubber dispersing agents or non-rubber constituents acting as protective colloids for the rubber and adapted to resist water.

1,736,900. STEERING-WHEEL LOCK FOR AUTOMOBILES. FRANK D. CARPENTER, Concord, N. H., assignor of one-half to Arthur H. Hough, Lebanon, N. H. Filed Jan. 7, 1928. Serial No. 245,218. 4 Claims. (Cl. 70-129.)

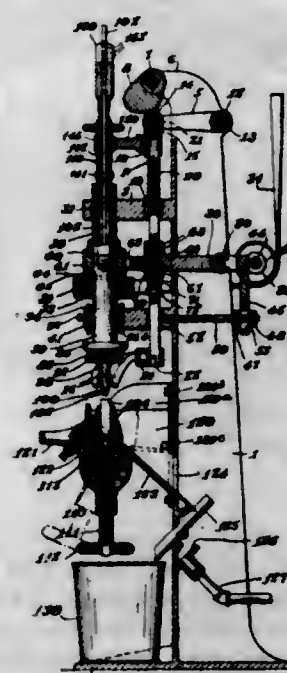
1. In a locking device for the steering post of an automobile, a casing including a tubular portion adapted to be

interposed between the severed ends of a steering column surrounding the steering post, and to fixedly receive the ends of said severed parts, said steering post being provided, in a zone of said tubular portion, with recesses having inclined faces in one direction and abrupt faces in the other direction, said casing being provided with a lock housing having a bore therethrough in the zone of



said recesses, and a lock in said housing having a member extensible through said bore into engagement with said recesses, said lock member being so shaped as to inhibit rotation of said steering post in one direction when engaged with the abrupt faces of the latter and to ride past said inclined faces and permit rotation of the steering column in the other direction.

1,736,901. BUTTON-BLANK-CUTTING MACHINE. ARTHUR L. CURRIER, New Ipswich, N. H. Filed Oct. 8, 1920. Serial No. 140,371. 6 Claims. (Cl. 79-10.)

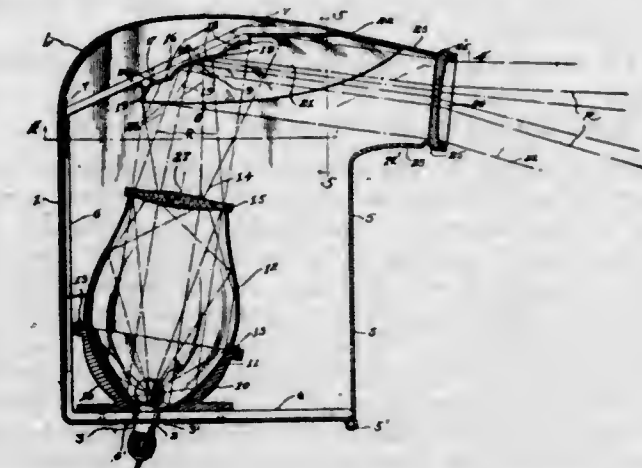


1. In a machine for cutting out button blanks, a work support on which the material to be cut is positioned, a rotating spindle adapted for movement toward and from the work to cut a button blank therefrom, and a plurality of independently movable work holding members movable with and through said spindle, each member being independently and automatically actuated by an adjustable spring.

1,736,902. HEADLIGHT. GEORGE H. CUSHING, Washington, D. C., assignor to Cushing Lamp Incorporated, Washington, D. C., a Corporation of Delaware. Filed Nov. 25, 1924, Serial No. 752,214. Renewed Apr. 12, 1929. 6 Claims. (Cl. 240-41.)

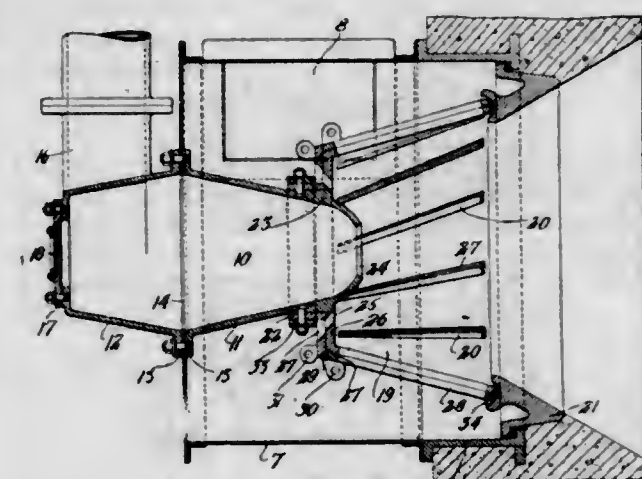
1. A lamp structure comprising a housing, a source of light therein, a primary reflector mounted within the

housing, a concentrating shield made integral with the primary reflector, a collecting lens supported by the concentrating shield, an adjustable secondary reflector mount-



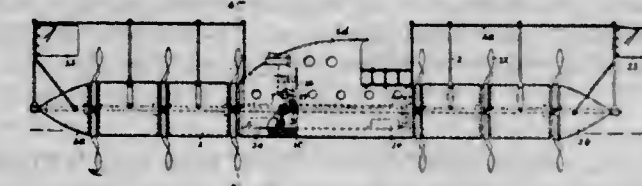
ed on the housing opposite said collecting lens, a visor mounted on the housing and surrounding the secondary reflector, and a light diffusing lens in the path of the rays reflected by the secondary reflector.

1,736,903. PULVERIZED-FUEL BURNER. OTTO DE LORENZI, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 30, 1926. Serial No. 138,597. 3 Claims. (Cl. 110-104.)



1. A burner for pulverized fuel comprising a nozzle diminishing in cross section toward both ends; means for admitting fuel into one end of said nozzle, transversely and at one side thereof; and a delivery opening in the other end of said nozzle.

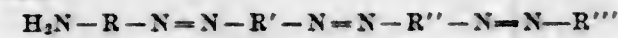
1,736,904. SPEED BOAT. ANTHELME DESAYE, Clifton, N. J. Filed June 22, 1928. Serial No. 287,360. 4 Claims. (Cl. 115-37.)



1. A speed-boat including a plurality of fore-and-aft aligned spaced buoyant chambers, a propeller structure journaled on the chambers and having a propeller in the space between them and confining the chambers to their said alignment with each other, and a skeleton superstructure connecting the chambers rigidly together.

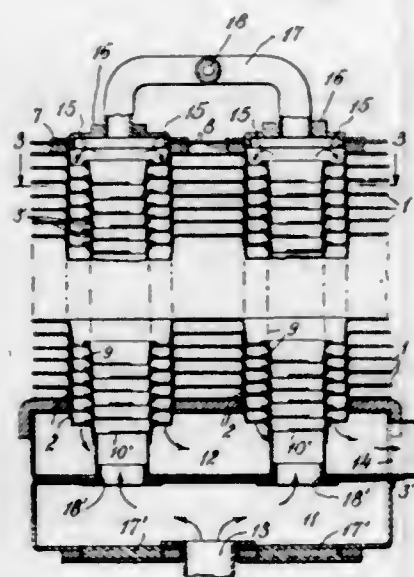
1,736,905. TRISAZO DYE STUFFS. ERNST FELLNER, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 20, 1926, Serial No. 136,726, and in Germany Oct. 14, 1925. 7 Claims. (Cl. 280—72.)

1. As new products tris-azo dyestuffs of the general formula:



In which R stands for the nucleus of a paradiamine of the benzene or naphthalene series, R' for the nucleus of an amine of the benzene or naphthalene series capable of coupling in para position to the amino group, R'' for the nucleus of an amino-naphthol sulfonic acid compound, substituted in the amino group by a substituent containing an external free amino group and R''' for a compound of the group comprising methyl-phenyl-pyrazolones and alpha-methyl-indol compounds, which in form of their alkali metal salts are water soluble dark colored powders dyeing vegetable fibre green shades, which can be diazotized on the fibre and developed to green shades with the usual developers such as beta-naphthol and pyrazolone.

1,736,906. HEAT-EXCHANGE DEVICE. GERHARD FLINTERMANN, West Oradge, N. J. Filed July 26, 1927. Serial No. 208,445. 11 Claims. (Cl. 257—262.)



2. In a heat exchange device a plurality of nesting sheet metal cup-like members, the bottom of each cup-like member being perforated to provide a ring and to provide openings between said ring and the walls of the cup-like member, and a tube extending through the rings of said cup-like members, the openings in the bottoms of said cup-like members around the rings affording a continuous passage through the cup-like members and around the tube.

1,736,907. SAND-TESTING DEVICE FOR OIL WELLS. DOUGLAS B. FOWLER and JOHN R. FOWLER, Olney, Tex. Filed Oct. 29, 1927. Serial No. 229,765. 3 Claims. (Cl. 166—1.)

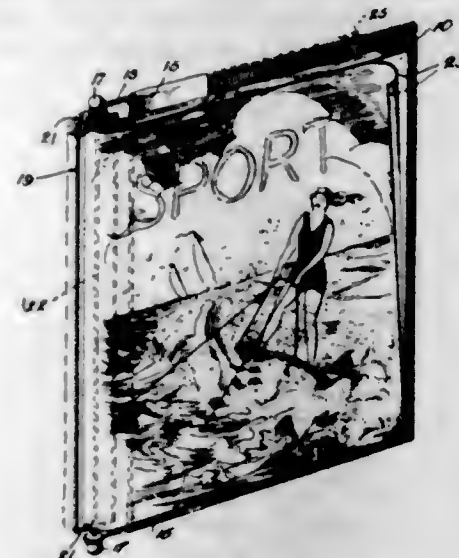
1. A sand tester for oil wells, comprising a hollow cylindrical body, a cap on one end with an opening in the cap, a collar on the opposite end of the body; a tubular element removably attached to the cap on the inside of the cylindrical body and depending centrally of said body to

approximately the lower end thereof; a tube disposed in said tubular element and pistons spaced on the tube and



arranged to reciprocate within said tubular element; said tube and tubular element being perforated, the perforations registerable with one another to permit sand to enter.

1,736,908. PERIODICAL HOLDER. MARTIN J. FRANEY, Shenandoah, Pa. Filed Aug. 8, 1928. Serial No. 298,375. 9 Claims. (Cl. 129—38.)



1. A periodical holder comprising a tray, posts extending along the upper and lower edges and beyond one side edge thereof, and a freely rotatable frame member supported from said posts adjacent the tray, the periodical being threaded thru the frame and extending over the tray.

1,736,909. METHOD OF MAKING REFRACTORIES. ROBERT L. FAIRK, Lancaster, Ohio. Filed Sept. 13, 1926, Serial No. 136,884. Renewed Oct. 24, 1928. 15 Claims. (Cl. 25—156.)

1. A method of making refractories, which comprises admixing with a comminuted refractory material a preliminarily fused siliceous material of lower melting point, and passing the mixture through a heated zone to bond the refractory material.

1,736,910. AIR-BRAKE MECHANISM. ALVA L. GOOD-KNIGHT, Fort Worth, Tex. Filed May 22, 1928. Serial No. 279,718. 27 Claims. (Cl. 308—8.)

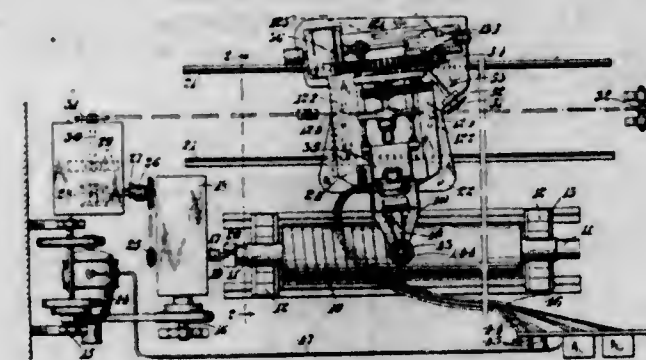
11. In an air brake mechanism including an auxiliary reservoir, a reserve drum, an emergency vent valve, a check

valve, a main valve having a piston exposed on one side to brake pipe pressure and on the other side to auxiliary reservoir pressure and reserve drum co-operating therewith, the said reserve drum pressure being exposed when said piston is in release position of said main valve, the said main valve being provided with connecting ports for controlling the charging of said auxiliary reservoir and said reserve drum with air pressure, a quick service charging and straight air valve reduction port from said auxiliary reservoir through said main valve and to said reserve drum and straight air valve chamber and to the brake cylinder, and connecting with said emergency check valve port, a large



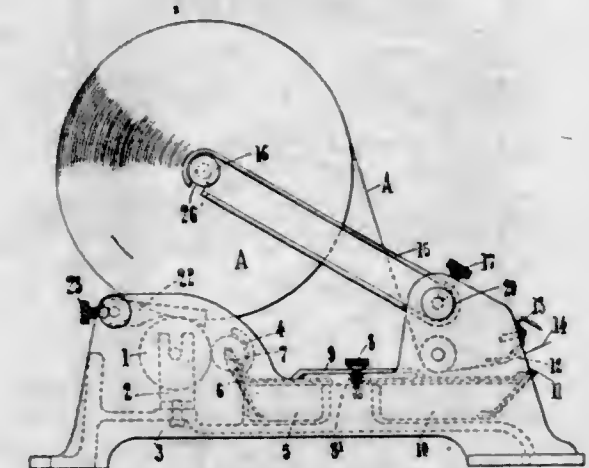
emergency port from the brake pipe to the brake cylinder, a service port from said auxiliary reservoir through said main valve to the brake cylinder, and a large emergency port from the auxiliary reservoir controlled by said valve to the top of the emergency vent valve piston, said ports being operable to the brake cylinder while said valve is operating with service or emergency reductions of brake pipe pressure, the said valve being arranged to operate quick service, full service, emergency and straight air brake valve applications, and to maintain the full brake cylinder pressure, and to release the said applications to the atmosphere, substantially as described.

1,736,911. METHOD OF AND APPARATUS FOR COVERING CYLINDRICAL ROLLERS WITH RUBBER. CHRISTIAN HAMILTON GRAY, London, England. Filed Mar. 14, 1927, Serial No. 175,261, and in Great Britain May 5, 1926. 8 Claims. (Cl. 18—59.)



8. Apparatus for applying a rubber covering to a cylindrical roller comprising means to support and rotate a cylindrical roller in combination with a co-operatively driven travelling structure arranged to move in the direction of the length of the roller, a rubber strip-producing apparatus carried by said travelling structure, a spring actuated pressure roll carried by said travelling structure, said pressure roll receiving the rubber strip as it is produced and pressing said strip on to the roller, speed varying means provided on the travelling structure for varying the speed of rotation of the cylindrical roller and the drive of the travelling structure, and control means on the travelling structure for regulating heating means for the rubber strip-producing apparatus.

1,736,912. PRINTING APPLIANCE. FRANK HARTMAN, Kensington, London, England. Filed Sept. 3, 1927, Serial No. 217,482, and in Great Britain Sept. 18, 1926. 4 Claims. (Cl. 101—213.)



1. A printing appliance applicable to apparatus for delivering a web of material from a roll, comprising a support, a shaft mounted in said support, a pair of arms adjustably mounted at one end on said shaft, a second shaft mounted in the other ends of said arms, a roll of material mounted on said second shaft, a printing roller mounted in said support, said printing roller being arranged directly under the roll which bears upon said printing roller, inking mechanism for said roller and carried by said support, a guide roller around which the material is passed mounted in said support, and means on said support beyond said guide roller for engaging the material.

1,736,913. BRAKE AND CLUTCH BANDS AND METHOD OF MAKING SAME. GEOFFREY M. HARRY, Milwaukee, and CHARLES STERNBERGER, West Allis, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 8, 1927. Serial No. 218,134. 7 Claims. (Cl. 113—116.)

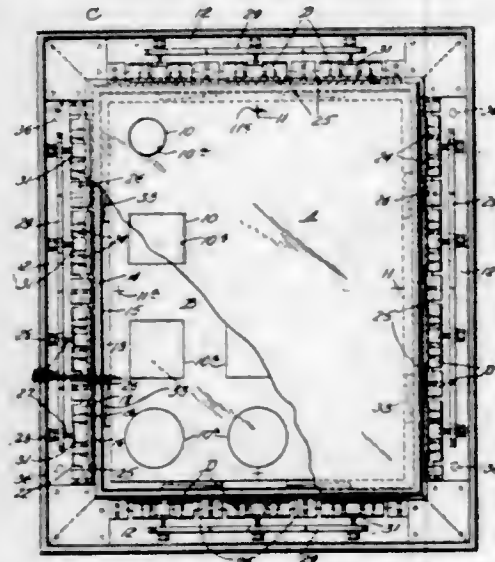


1. The hereindescribed method of making brake bands which consists in chamfering the ends of the band, butt-welding connecting sleeves to said ends and welding edges of attaching and reinforcing elements to the band and sleeves.

1,736,914. PROCESS OF PREPARING AND REGISTERING PRINTING SHEETS OR FILMS. WILLIAM C. HUMMER, Buffalo, N. Y. Filed July 31, 1924, Serial No. 729,277. Renewed May 5, 1928. 12 Claims. (Cl. 33—184.5.)

1. The hereindescribed process of treating a flexible film or sheet bearing an image to cause said image to reg-

ister with a registering guide, which consists in treating said sheet to render it extensible, then stretching said sheet as necessary while in extensible condition to cause

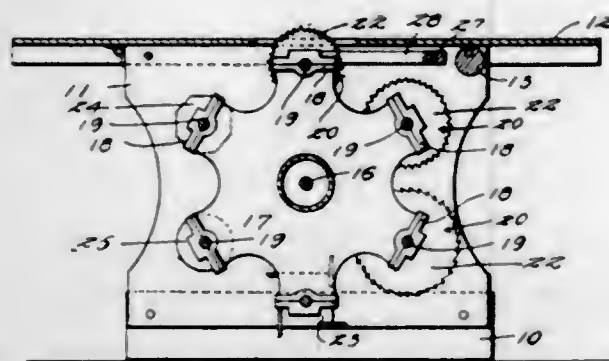


the image thereon to register as to size or position with said registering guide, and then treating said sheet while maintaining it in said stretched condition to cause the image to retain said registered condition.

1,736,915. COATING OF PIPES AND TUBES AND LIKE HOLLOW BODIES WITH A BITUMINOUS SUBSTANCE IN POWDERED FORM. ROBERT ILLEMAN and RALPH ALEXANDER WHITSON, Glasgow, Scotland. Filed Dec. 22, 1927, Serial No. 242,006, and in Great Britain Jan. 26, 1927. 4 Claims. (Cl. 91-70.)

4. In the manufacture of bituminously lined hollow bodies such as pipes and the like, the steps of heating asphalt powder, distributing a coat of said heated asphalt powder over the bituminous coating of the body by centrifugal action, and consolidating said asphalt powder on said bituminous coating by pressure so as to provide a coating which does not creep or flow in hot climates.

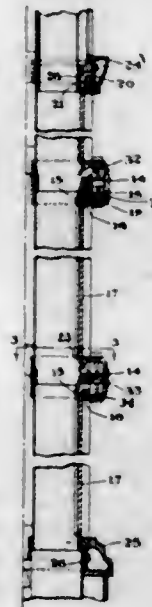
1,736,916. WOODWORKING MACHINE. HERSCHEL V. JOSEPH, Canon City, Colo. Filed Dec. 13, 1927. Serial No. 239,781. 1 Claim. (Cl. 144-1.)



In a woodworking machine, a rotatable carrier having circumferentially spaced pairs of bearings and a shaft mounted in each pair of bearings, tools fixed to corresponding ends of the shafts, pulleys upon the outer ends of the shafts, an idler pulley with which the pulley of the highest or selected tool aligns, a cross bar arranged slightly above and laterally beyond the carrier, rabbit pawls pivoted to the cross bar and extending therefrom across the paths of motion of the bearings and having their free ends arranged in engagement with the highest bearings, said pawls holding the carrier against movement in the general direction of rotation of the tool in position for use and adapted to permit the free manual rotation

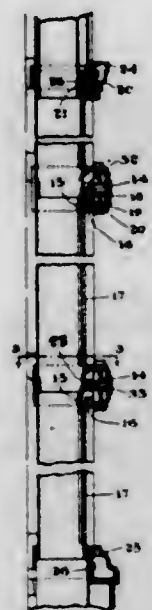
of the carrier in the opposite direction, said pawls being prevented by the bearings from moving into inoperative position during the adjustment of the carrier so as to effect their automatic engagement with the bearings of the tool moved into position for use, and a drive belt selectively positionable upon said idler pulley or upon the pulley of the tool in position for use.

1,736,917. LOCKING DEVICE FOR MAIL-CHUTE PANELS. HUGH M. KENNEDY, Montreal, Quebec, Canada. Filed July 5, 1927. Serial No. 203,501. 2 Claims. (Cl. 193-8.)



1. In a mail chute of channel form provided with inwardly projecting guides, removable panels in said chutes and suspended from the cross bars secured to the chutes, lugs secured to the cross bars and extending outwardly from the chute, locking straps slidable in slots formed in the lugs to move in a direction parallel to the chute, said slots having a centrally disposed recess to allow the straps to be moved towards the cross bar to hold the adjacent ends of the panels in the chute, and locking means for securing the locking strap to the cross bar.

1,736,918. SUSPENSION DEVICE FOR MAIL-CHUTE PANELS. HUGH M. KENNEDY, Montreal, Quebec, Canada. Filed July 5, 1927. Serial No. 203,502. 3 Claims. (Cl. 193-8.)



1. In a mail chute of channel form, cross members spaced from one another and extending across the face of

the chute, removable panels closing the chute, said panels having a frame with a beading projecting outwardly from the top portion thereof, and a ridged member extending across the chute and coacting with the beading to pivotally suspend the panels in the chute.

1,736,919. SURFACE-HARDENED MATERIAL AND METHOD FOR PRODUCING THE SAME. AUGUSTUS B. KINZEL, New York, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed July 28, 1927. Serial No. 209,184. 14 Claims. (Cl. 148-14.)

1. The method of hardening ferrous material which comprises enriching the material in its surface layer with aluminum and then heating the material to about 510° C. in the presence of ammonia.

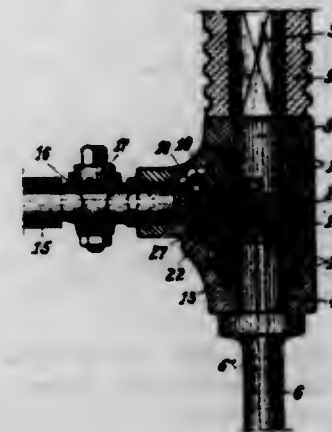
1,736,920. CASE HARDENING. AUGUSTUS B. KINZEL, Bayside, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed Aug. 20, 1927. Serial No. 214,447. 13 Claims. (Cl. 148-14.)

1. An article composed of a core of ferrous metal and a surface layer harder than said core and integral therewith, comprising a constituent that is formed by nitrogenizing an alloy containing a material which promotes the formation of a hard nitrogen containing constituent, said material being vanadium in solid solution.

1,736,921. CASE NITRIFICATION OF STEEL. AUGUSTUS B. KINZEL, Bayside, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed Feb. 13, 1928, Serial No. 254,162. Renewed June 24, 1929. 14 Claims. (Cl. 148-14.)

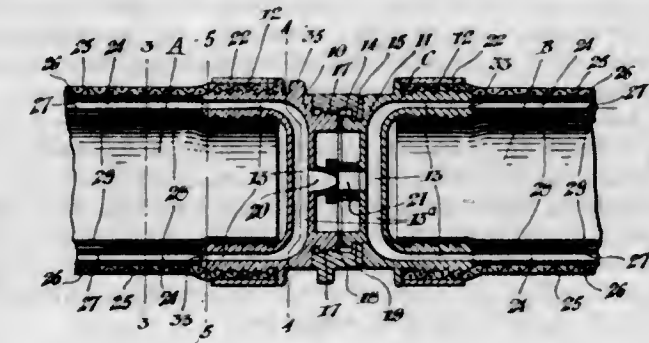
1. The method of making a hardened surface coating on an article composed of ferrous material which comprises enriching the surface of the article in unbound vanadium and then subjecting the article to heat in the presence of a material that yields nitrogen to the coating.

1,736,922. FLUSHING DEVICE FOR ROCK DRILLS. JOSEF KÜHLEN, Herne in Westphalia, Germany. Filed Feb. 11, 1928, Serial No. 253,774, and in Germany Feb. 11, 1927. 7 Claims. (Cl. 255-49.)



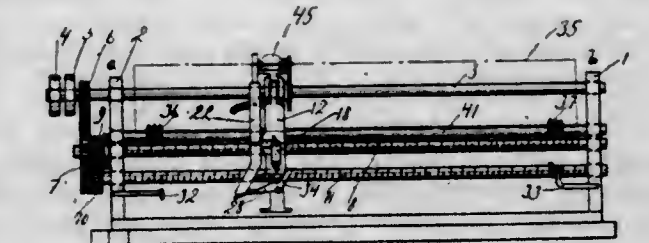
1. A flushing-device for rock-drills comprising in combination, a tubular drill having a cylindrical seat, a casing rotatably mounted on said seat, a packing encircling said cylindrical seat within said casing, means for introducing a flushing-fluid into said casing, a passage for directing the fluid to the bottom of the bore-hole, and a spring-controlled check valve arranged in said passage and adapted to regulate the fluid-pressure acting on said packing.

1,736,923. HOSE COUPLING. WILLIAM JAMES LALONDE, Ottawa, Ontario, Canada. Filed Apr. 30, 1927. Serial No. 187,850. 1 Claim. (Cl. 285-22.)



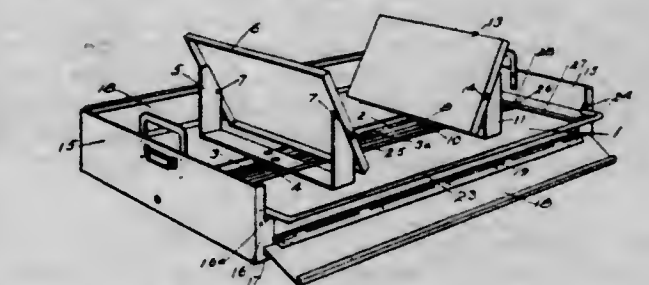
A coupling for uniting adjacent sections of jacketed conduits formed with a central water duct and a surrounding air duct comprising opposed cylindrical flanged members having substantially U-shaped air ducts therein communicating at each end with the air ducts in said sections, central hollow extensions integral with the U-shaped air ducts and designed to fit one within the other to form a single bridging duct connecting the said air ducts to provide a continuous circulation of air through the hose sections and the coupling.

1,736,924. BARK-REMOVING MACHINE. KNUT ROBERT JOHAN LAGUS, Abo, Finland. Filed July 14, 1927, Serial No. 205,766, and in Finland Aug. 9, 1926. 4 Claims. (Cl. 144-208.)



1. In a bark removing machine, comprising means for rotatably supporting a log from which the bark is to be removed, a travelling cutter, power driven disengageable means to move said cutter parallel to the axis of the log in either direction, and means to automatically engage and disengage said means during travel of the cutter, the last mentioned means including a hand lever directly connected with the disengageable means and operable to stop said cutter in any position thereof.

1,736,925. BINDER TRAY. LEO T. LE FEBURE, Cedar Rapids, Iowa, assignor to Le Febure Ledger Company, Cedar Rapids, Iowa, a Corporation of Iowa. Filed Nov. 16, 1925. Serial No. 69,346. 10 Claims. (Cl. 129-16.)



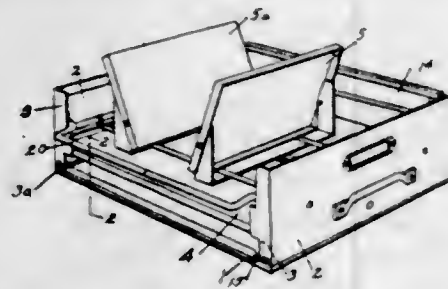
1. In a binder tray, the combination of a base; a movable jaw on the base; box walls extending upwardly from

the base; flanges extending inwardly from the end walls; and a guide rod extending longitudinally across the base and mounted on said flanges.

3. In a binder tray, the combination of a base; jaws on the base; box walls extending upwardly from the base; and a hinged connection between one side wall and the base permitting the swinging outwardly of the side wall, said side wall having detachable interlocking connections between the same and the end walls.

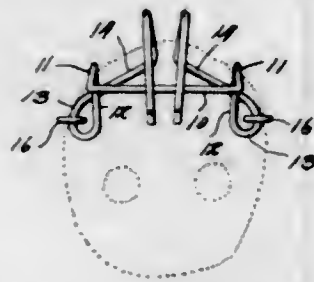
8. In a binder tray, the combination of a base; box walls extending upwardly from the base; a movable jaw arranged on the base, said jaw being arranged within the walls; a hinge connection between one side wall and the base permitting the swinging outwardly of said side wall; and an offset rail swingingly mounted and movable outwardly after the opening of the side wall, or inwardly to permit the closing of the side wall.

1,736,926. BINDER TRAY. LEO T. LE FEBURE, Cedar Rapids, Iowa, assignor to Le Febure Ledger Company, Cedar Rapids, Iowa, a Corporation of Iowa. Filed June 22, 1926. Serial No. 117,726. 7 Claims. (Cl. 129-16.)



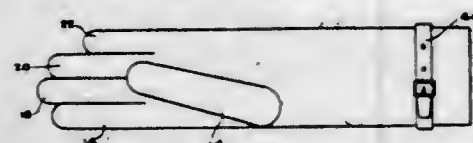
1. In a binder tray, the combination of a base; a frame for the base forming a space under the base; a movable side wall slidable into said space; means locking the side wall in closed position; and a spring yieldingly drawing the wall into the space.

1,736,927. MUZZLE RING FOR HOGS. LEE P. LEWIS, Hallsville, Mo. Filed Dec. 4, 1926, Serial No. 152,619. Renewed Apr. 12, 1929. 3 Claims. (Cl. 119-135.)



1. A hog ring of the character described comprising a transverse bar formed with eyes at its extremities and then formed with an upwardly and rearwardly extending portion extending from each eye, the ends of said portions being forwardly, downwardly and inwardly bent to form curved prongs.

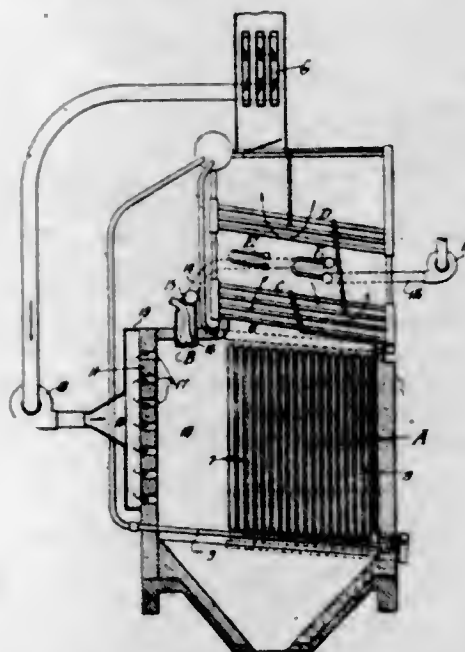
1,736,928. BUTCHER'S GLOVE. EARL R. LOWE, South St. Paul, Minn., assignor, by direct and mesne assignments, of one-fourth to Thomas A. Lowe and one-fourth to Fred Schroeder, South St. Paul, Minn., and one-fourth to Alexander Highland, St. Paul, Minn. Filed Apr. 27, 1927. Serial No. 186,885. 1 Claim. (Cl. 2-187.)



A butcher's glove comprising fingers, thumb and hand members complete, consisting wholly and only of metallic

elements flexibly secured together so as to conform to any position of the user's thumb, fingers and hand and interlinked with each other entirely around each member of the glove, and fastened only by metallic elements, all of said metallic elements being sufficiently resistant to the cutting edge of a knife to prevent their being severed, whereby the hand of the wearer is completely protected.

1,736,929. ART OF BURNING FINELY DIVIDED FUEL. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Nov. 19, 1924. Serial No. 750,723. 1 Claim. (Cl. 122-235.)



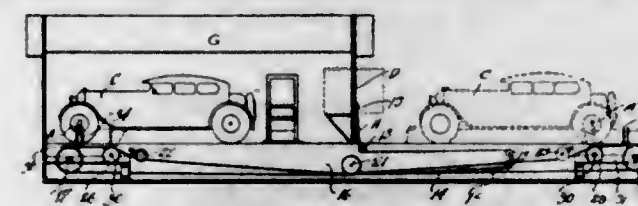
In a pulverized fuel burning boiler furnace, a combustion chamber having a substantial portion of its combustion space defined in part by non-metallic refractory walls and in part by water containing walls, burner means for admitting the fuel in the region defined by the refractories, said chamber having an offtake for the products of combustion, boiler tubes in said offtake subject to the products of combustion, air heater means in the offtake adapted to supply preheated air to the burner means, and a stack for the waste gases, together with air preheater means in the stack and means whereby preheated air therefrom is supplied to the combustion space.

1,736,930. FINGER-EXERCISING DEVICE. CHARLES T. MARSH, Vancouver, British Columbia, Canada. Filed Mar. 26, 1928. Serial No. 264,937. 2 Claims. (Cl. 272-67.)



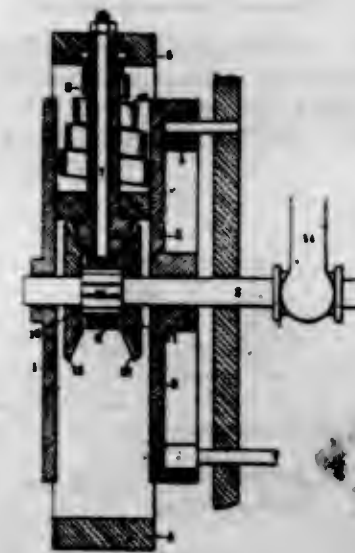
2. A finger exercising device for pianists and others comprising, an adjustable wrist band having on its outer surface hooks corresponding to the fingers and thumb of one hand, a larger hook for anchoring purposes, a resilient cord adapted for looping around the upper portion of the user's arm and in securable and adjustable connection with said larger hook, a hingeably opening metal ring approximately fitting each finger and thumb adjacent its tip, each said ring being provided with a plurality of metal loops whereby the strain of the resilient connection upon the finger tip is maintained in equal value, resilient cords threaded through said loops and each having both extremities adapted to engage the hooks on said wrist band whereby the fingers are held by equal tension and objectionable side strain upon them is eliminated.

1,736,931. DOOR OPERATOR. JOHN A. MARZOLF, Seattle, Wash. Filed Dec. 17, 1927. Serial No. 240,771. 3 Claims. (Cl. 268-35.)



1. The combination in a door operator with a swiveled door, a pull cable attached to the door and an endless operating cable connected with the pull cable, of main supporting wheels for the operating cable, intermediate guide wheels spaced from the supporting wheels, cable-depressing wheels between the intermediate wheels, and pairs of oppositely operating levers attached to the cable at its opposite ends for co-action with a vehicle.

1,736,932. PROGRESSIVE CLUTCH AND CHANGE-SPEED GEAR. JACQUES MARIE JEAN FREDERIC MEYNIER, Troyes, France. Filed Dec. 27, 1928, Serial No. 328,825, and in France Jan. 9, 1928. 3 Claims. (Cl. 74-39.)

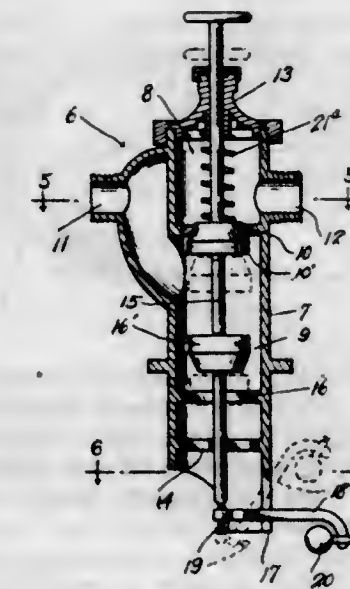


1. Progressive clutch and change speed gear comprising: a shaft to be driven,—a first plate loosely rotating on the said shaft and adapted to be actuated by the engine,—a second plate parallel to the first one and also loosely mounted on the shaft to be driven,—means for holding the second plate stationary,—two bevel gears loosely mounted on the shaft to be driven and arranged between the two plates,—means for rendering one or the other of these gears rigid with the shaft to be driven,—two concentric rings,—radial arms connecting these rings,—tubular shafts having an external polygonal shape, loosely mounted on the radial arms,—a bevel pinion, rigid with each of these shafts and in engagement with the two bevel gears loosely mounted on the shaft to be driven,—cylindrical friction rollers mounted on the radial tubular shafts and resiliently clamped between the two plates loosely mounted on the shaft to be driven, these rollers being adapted to rotatively drive the shafts on which they are mounted and to move longitudinally on the latter and move towards or away from the center of the plates,—a spring interposed between each friction roller and the external ring and adapted to push back the said rollers towards the center of the plates.

1,736,933. OIL-DISTRIBUTING SYSTEM. OLIVER MORGAN and JOHN W. STARK, Wewoka, Okla. Filed Mar. 6, 1928. Serial No. 259,514. 1 Claim. (Cl. 137-68.)

In an automatic valve of the class described, a cylindrical body having its lower end extending into a recep-

tacle to be filled, the lower end of the cylindrical body being opened, said cylindrical body being divided into upper and lower chambers, the bottom of the upper chamber being provided with an inlet opening, the side of the upper chamber being provided with an outlet opening, the side of the lower chamber being provided with an inlet opening, the bottom of the lower chamber being provided with an outlet opening, a valve stem arranged for slidable movement centrally through said chambers, the upper and lower valves secured on said stem for co-operation with the inlet and outlet openings of the upper and lower chambers respectively, float operated means associated with the lower end of the cylindrical body and cooperating with the lower end of the valve stem for



raising the same to unseat the lower valve and seat the upper valve during the filling of the receptacle, and additional means for moving the valve stem downwardly to close the outlet opening in the lower chamber and open the inlet opening in the upper chamber when a predetermined level is reached in the receptacle, said float control means including a lever pivotally supported at its inner end on the lower end portion of the cylindrical body and adapted for vertical swinging movement, a float carried by the outer end of the vertically swinging lever, the pivoted inner end of the lever terminating directly below the lower end of the valve stem for cooperation therewith, and a regulating set screw arranged vertically through the inner end of the pivoted lever for engagement with the lower end of the valve stem.

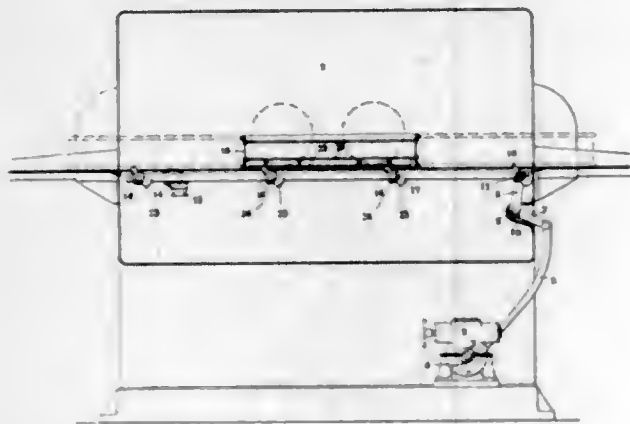
1,736,934. PREPARATION OF PICKLING BATHS. PAUL I. MURRILL, Plainfield, N. J., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 22, 1928. Serial No. 321,270. 1 Claim. (Cl. 148-8.)

The method of incorporating a mercaptobenzothiazole in an acid pickling or cleaning bath which comprises dissolving the mercaptobenzothiazole in caustic alkali to form a solution thereof in the form of the alkali metal salt and adding the resulting solution with stirring to the acid bath whereby the reaction of the acid of the bath with the alkali metal salt of the mercaptobenzothiazole sets free the mercaptobenzothiazole in a form which promotes its solution in the acid bath.

1,736,935. AUTOMATIC BASKET FEEDER. PAUL NAVARRA, Paris, France, assignor to Hobart Manufacturing Co., Troy, Ohio. Filed Apr. 30, 1928, Serial No. 274,106, and in France Jan. 16, 1928. 4 Claims. (Cl. 198-221.)

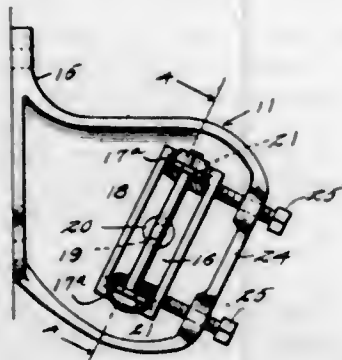
1. A device for automatically feeding the baskets in machines for washing plates and dishes or mechanical

members, comprising: baskets containing the articles to be washed,—two longitudinal guides supporting these baskets and adapted to guide the same through the machine,—inner abutments carried by two opposite walls of these baskets,—two parallel bars arranged under the baskets,—a transverse rod connecting these bars at one end,—a roller loosely mounted at the other end of each bar, two fixed guides adapted to form a raceway for the said rollers,—means for imparting to the transverse rod and to the bars connected by the latter a reciprocating dis-



placement in a horizontal direction,—trunnions removably secured in each bar,—tappets loosely mounted on these trunnions and adapted to automatically come in engagement with the inner abutments of the baskets and to drive these latter when the bars are moved in one direction and to automatically withdraw when these bars are moved in the opposite direction,—and means integral with the tappets and adapted to allow of mounting these tappets on their trunnions in two reverse directions and to thus modify the direction of translation of the baskets.

1,736,936. AWNING ARM. JOHN PADAVIC, Quincy, Ill. Filed Feb. 21, 1928. Serial No. 255,966. 2 Claims. (Cl. 156—44.)

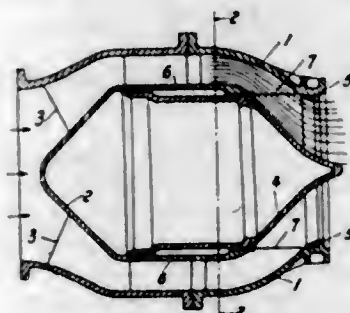


1. In a laterally foldable awning arm structure, upper and lower arm sections connected at their adjacent ends by an elbow joint, a shoulder casting including an outstanding wall, a pivot extended therethrough, a U-shaped support rotatably adjustable upon the pivot, a second pivot carried by the arms of the support and substantially paralleling said wall, an upper arm fitting mounted upon the last named pivot, the outer end of said wall having a flange and set-screws extended through said flange to engage the U-shaped support at opposite sides of the pivot connecting the same with the wall.

1,736,937. HYDRAULIC JET-DISPERSAL NOZZLE. OWEN ALFRED PRICE, Kilmarnock, Ayrshire, Scotland. Filed Dec. 27, 1926, Serial No. 157,406, and in Great Britain Dec. 3, 1926. 7 Claims. (Cl. 299—118.)

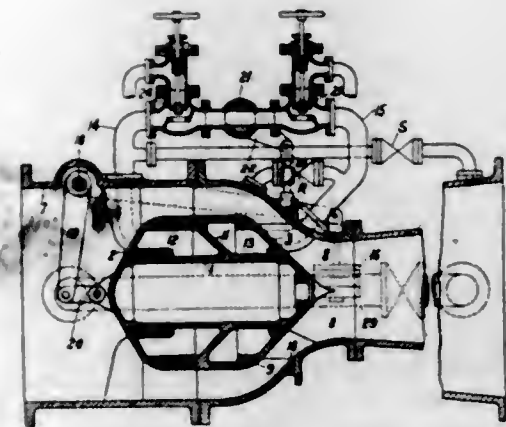
1. A hydraulic jet dispersal nozzle comprising a shell having an inlet and an outlet, a boss centrally positioned

within said shell, and blading extending entirely across and beyond the annulus between the inner wall of said shell and said boss, and comprising blades the discharging edges of which extend in the general direction from the



forward end of said boss towards said outlet, the pitch of said discharging edges decreasing progressively in the axial direction towards said outlet, contrived to form a forced spiral vortex that will consolidate to a free spiral vortex within the outlet portion of the nozzle.

1,736,938. AUTOMATIC SELF-CLOSING VALVE. OWEN ALFRED PRICE, Kilmarnock, Scotland. Filed Aug. 30, 1928, Serial No. 303,029, and in Great Britain Sept. 1, 1927. 10 Claims. (Cl. 137—139.)

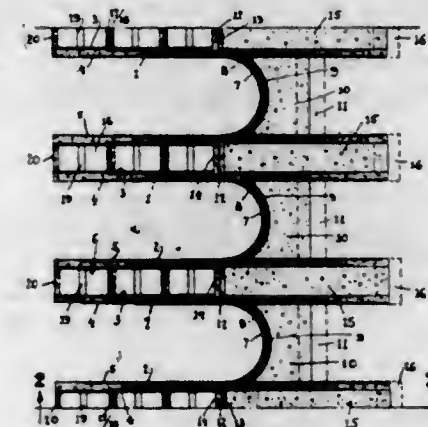


1. In combination with a fluid conduit including a zone of low pressure, less than that in the main portion of said conduit, a valve seat in the vicinity of said zone, an obturating member movable in said conduit and engageable with said seat to cut off the passage of fluid through said conduit, said obturating member comprising a plunger exposed at its opposite ends to the pressures in the main part of said conduit and in said zone and an external piston unitary with said plunger, opposite sides of which piston are exposed to equal pressures during normal flow through said conduit with said obturating member spaced from said seat, a stationary guiding structure forming with said plunger and piston a body of stream-line form spaced from the inner wall of said conduit, and means normally serving to hold said obturating member away from said seat.

1,736,939. OPEN-STRUCTURE DAM. EMIL PROBST and FRIEDRICH TOLKE, Karlsruhe, Germany. Filed Nov. 10, 1928, Serial No. 318,521, and in Germany July 17, 1928. 3 Claims. (Cl. 61—30.)

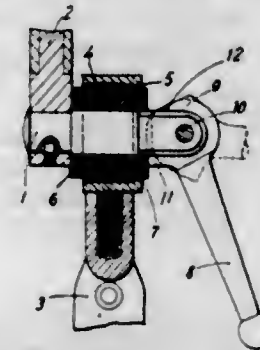
1. In a dam, the combination of a head water dam wall, a substantially horizontal counterweight carrier joined to the lower edge of said dam wall and extending upstream

therefrom, and an invert connecting said counterweight carrier with the stream bed at a point spaced upstream



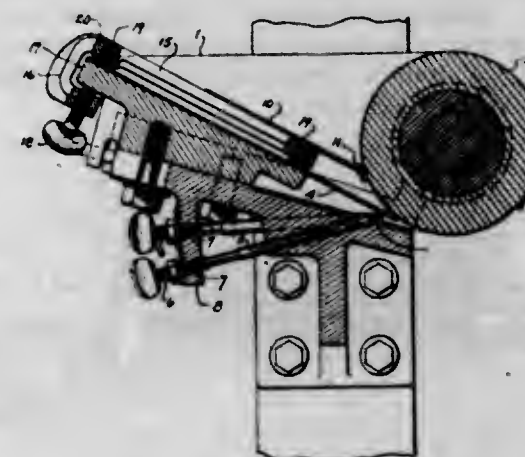
with respect to said dam wall, said counterweight carrier being disposed above the stream bed to provide an air space therebeneath.

1,736,940. WINDSHIELD. LEON SAIVES, Billancourt, France, assignor to Louis Renault, Billancourt, France. Filed Oct. 1, 1927, Serial No. 223,462, and in France Oct. 16, 1926. 2 Claims. (Cl. 296—85.)



1. Means for attaching windshields to car bodies, including a support, a collar mounted on said support, a spindle extending through said collar and connected to the windshield, an elastic ring encircling the spindle and located in said collar, and means for imposing pressure upon the outer face of said ring whereby to cause the latter to exert pressure against said windshield, said means comprising a lever secured to the outer end of said spindle and a cam carried by said lever and provided with an eccentric portion, substantially as described.

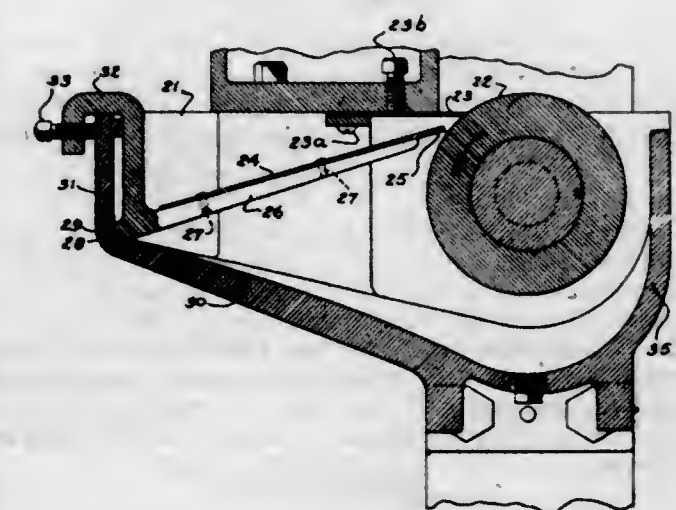
1,736,941. INK FOUNTAIN AND METHOD. HANS C. SCHROEDER, La Grange, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed July 7, 1926. Serial No. 120,909. 12 Claims. (Cl. 101—365.)



1. The method of thoroughly mixing and keeping all portions of the printing ink in an ink fountain of a print-

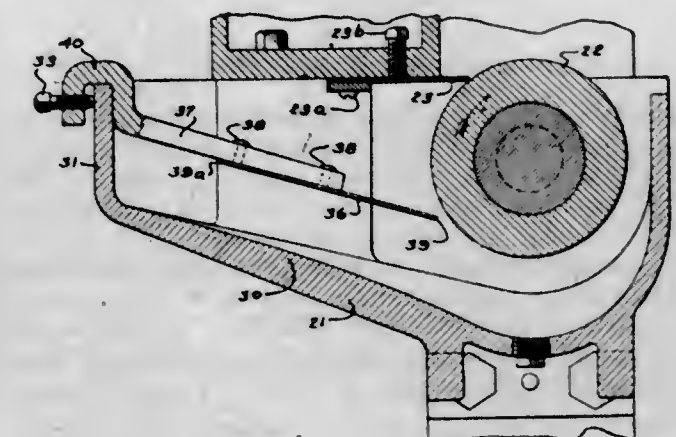
ing machine of uniform color and consistency consisting in causing the ink in the fountain to move along the bottom of the fountain to pick up any pigment that might have a tendency to settle out and mix it thoroughly through the body of the ink in the fountain.

1,736,942. INK FOUNTAIN AND METHOD. HANS C. SCHROEDER, La Grange, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed July 7, 1926, Serial No. 120,909. Divided and this application filed Aug. 9, 1927. Serial No. 211,712. 21 Claims. (Cl. 101—365.)



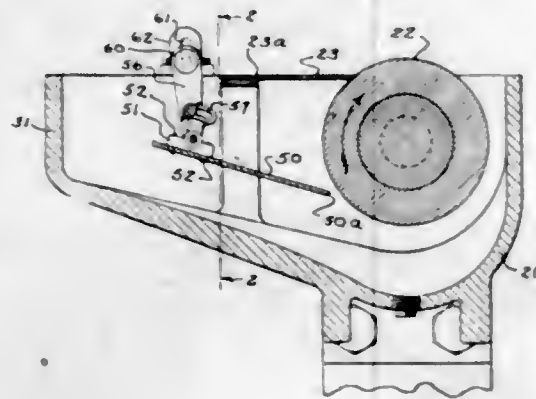
1. The method of mixing and maintaining a constant mixture of the ink in the ink fountain of a printing press which comprises rotating the fountain roller at a speed sufficient to create a convection current by reason of the contact of the ink with the fountain roller, and causing said current to divide into a plurality of currents following different paths through the fountain.

1,736,943. INK FOUNTAIN AND METHOD. HANS C. SCHROEDER, La Grange, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed July 7, 1926, Serial No. 120,909. Divided and this application filed Aug. 9, 1927. Serial No. 211,713. 10 Claims. (Cl. 101—365.)



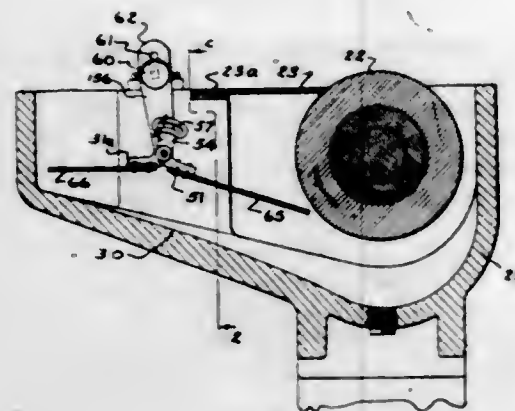
1. The method of mixing and maintaining a constant mixture of the ink in the ink fountain of a printing press which comprises rotating the fountain roller at a speed sufficient to create a convection current by reason of the contact of the ink with the fountain roller, diverting a substantial portion of said current out of its natural course at one point in said course into the mass of ink which is out of contact with the roller, and similarly diverting the remainder of said current at a subsequent point in said course.

1,736,944. INK FOUNTAIN AND METHOD. HANS C. SCHROEDER, La Grange, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed July 7, 1926, Serial No. 120,909. Divided and this application filed Aug. 9, 1927. Serial No. 211,714. 17 Claims. (Cl. 101-364.)



3. The combination in an ink fountain of a printing press of the fountain roller, and variably positionable means co-operating with the roller to cause a circulation of substantially all the ink in the fountain to and from the ink roller.

1,736,945. INK FOUNTAIN. HANS C. SCHROEDER, La Grange, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed July 7, 1926, Serial No. 120,909. Divided and this application filed Aug. 9, 1927. Serial No. 211,715. 17 Claims. (Cl. 101-365.)

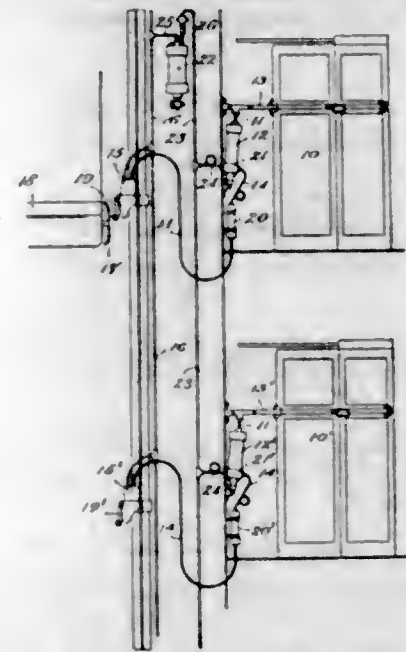


1. An ink fountain for a printing press including in combination a fountain roller adapted to rotate therein, and means to determine the direction of the ink currents, throughout the fountain comprising a baffle plate formed of a plurality of sections.

1,736,946. RESISTANCE STABILIZER FOR FLUID DOORCHECKS. HAROLD W. SHONNARD, Montclair, N. J., and WILLIAM B. CROWELL, New York, N. Y., assignors to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Sept. 14, 1925. Serial No. 56,243. 4 Claims. (Cl. 187-54.)

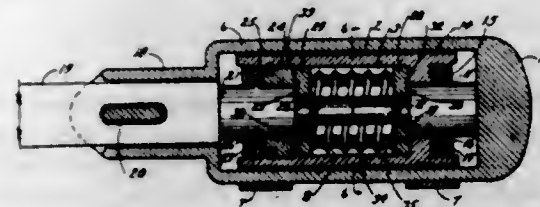
1. In an elevator system having a plurality of doors one over the other, a pneumatic door opener for each door a compressed air supply pipe extending past all of said door openers and communicating operatively with each of said openers, an oil operated check for each door, an oil reser-

voir, a pipe connected between the air supply pipe and said reservoir, a common oil supply pipe extending past all of



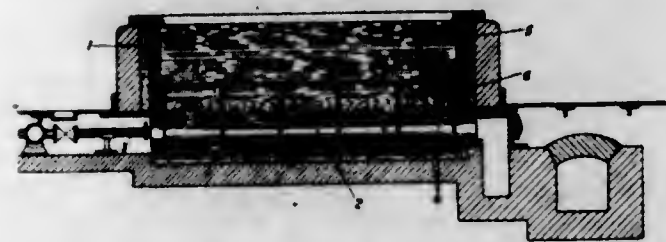
the door checks and communicating with said reservoir, and branch pipes leading from said common oil pipe to the separate door checks in the system.

1,736,947. DRAFT GEAR. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed June 16, 1925. Serial No. 37,492. 4 Claims. (Cl. 213-43.)



3. A draft gear comprising a pair of relatively movable members, a plunger comprising two parts having aligned axes and abutting ends interposed between the members and movable with one member and under a compressive force applied to the ends of the parts for movement in either direction; and movable relative to one of the members, yielding fluid pressure means confined within one of the members to resist said relative movement, a friction spring to yieldingly resist said relative movement and means to secure the gear to a car body.

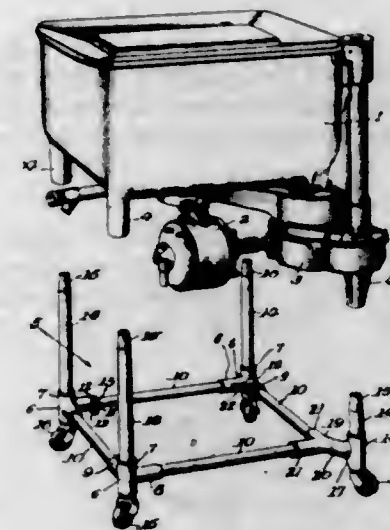
1,736,948. GALVANIZING BATH. NICHOLAS KING TURNBULL, Millport, Scotland. Filed June 13, 1928, Serial No. 284,937, and in Great Britain June 14, 1927. 1 Claim. (Cl. 91-12.5.)



A galvanizing bath comprising a lower layer of lead, an upper layer of zinc, an intermediate layer of dross, a thermal conductor passing through said layer of dross and

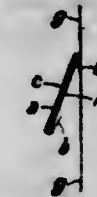
effecting a thermal connection between the entire layer of lead and the entire layer of zinc, said conductor comprising a plurality of vertical metallic bars extending from the bottom of the bath through said layer of lead and into said layer of zinc, and a metallic frame immersed in said layer of zinc and adapted to hold said bars together at their upper ends.

1,736,949. SUPPORT FOR WASHING MACHINES. OTTO E. SZEKELY, Holland, Mich. Original application filed May 2, 1927, Serial No. 188,145. Divided and this application filed Nov. 5, 1927. Serial No. 231,312. 1 Claim. (Cl. 280-61.)



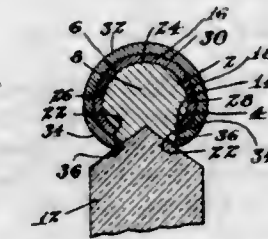
A rectangular, knockdown, supporting frame for washing machines comprising three tubular corner members, a branch socket integrally connected to each of said members, a split socket branch integrally connected to each of said members and at right angles to said first named branch, a pipe mounted in each of said branches, one end of said pipe being permanently fastened in the first named branch socket in one member and the opposite end removably inserted in the split branch of an adjacent member, a set screw for clamping the pipe in each of said split branches, a fourth tubular corner member having branches disposed at right angles at the corner and connected to the ends of the adjacent pipes, an extension between the branches and said fourth tubular member to offset said member from the corner of the rectangle, legs mounted in the top of said members, and a caster arranged in the lower end of each of said members.

1,736,950. MEANS FOR FASTENING POSTAGE STAMPS IN ALBUMS. PAUL WANGEMANN, Berlin, Germany. Filed May 9, 1928, Serial No. 276,485, and in Germany June 28, 1927. 3 Claims. (Cl. 40-159.)



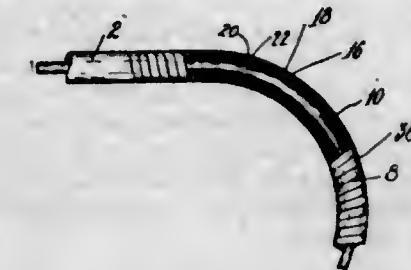
1. Means for fastening postage-stamps in albums, consisting of a strip of transparent material having one gummed edge bent over.

1,736,951. OPHTHALMIC MOUNTING. JAMES WILSON WELSH, Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Original application filed June 13, 1923, Serial No. 645,118. Divided and this application filed Jan. 4, 1926. Serial No. 79,139. 12 Claims. (Cl. 88-47.)



3. An ophthalmic mounting having, in combination, a rim having an annular slot, a rim seated in the slot having an annular slot, and a rim seated in the slot of the second-named rim, one of the rims having a lens-receiving groove.

1,736,952. SPECTACLE TEMPLE AND METHOD OF MAKING THE SAME. JAMES W. WELSH, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 1, 1923. Serial No. 677,949. 34 Claims. (Cl. 88-52.)



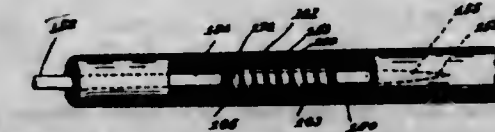
12. In construction for eyeglass temple bars, a tubular member having formed therein and extending about the axis thereof a slot that, when considered with respect to its longitudinal direction, is of non-uniform width.

1,736,953. SPECTACLE TEMPLE AND METHOD OF MAKING THE SAME. JAMES W. WELSH, Providence, R. I., assignor to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 11, 1924. Serial No. 685,695. 25 Claims. (Cl. 88-52.)



3. The method of making a spectacle temple that comprises mounting a tube upon a rod, working the tube into tight relation to the rod, rendering one end of the tube more yielding than the other end, mounting non-metallic material upon the rod, and bending the rod at the more yielding end of the tube into the shape of a temple.

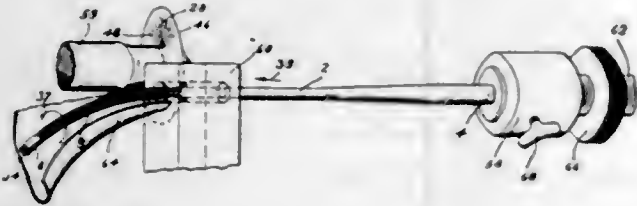
1,736,954. SPECTACLE TEMPLE. FREDERICK A. STEVENS and JAMES W. WELSH, Providence, R. I., assignors to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Original application filed May 15, 1922, Serial No. 560,954. Divided and this application filed Oct. 24, 1927. Serial No. 228,283. 14 Claims. (Cl. 88-52.)



1. A spectacle temple comprising a non-metallic member adapted to be hinged at the forward end and having a

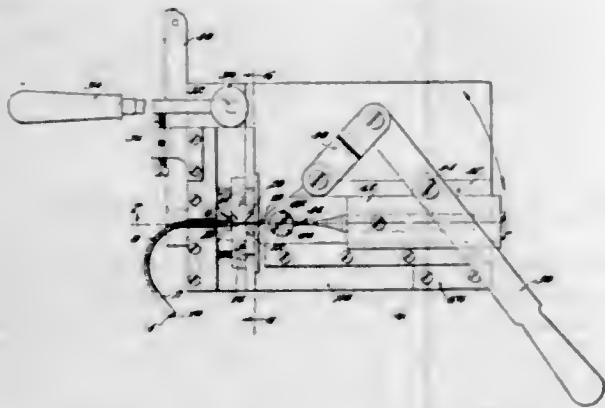
rearward projecting metal member, a non-metallic material mounted over the rearward projecting metal member, and a separate metal tube mounted over the metal member and extending into the rear end of the non-metallic member and the forward end of the non-metallic material for strengthening the joint between the non-metallic member and the non-metallic material.

1,736,955. MACHINE FOR MAKING SPECTACLE TEMPLES. JAMES WILSON WELSH, Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 4, 1926. Serial No. 79,140. 6 Claims. (Cl. 164-60.)



1. A machine of the class described having, in combination, a support, means for supporting a tube, a freely rotatable cutter mounted upon the support, one face of which is convex and the other face concave, the cutter being everywhere inclined to the axis of the tube so that the cutter extends into the bore of the tube without intersecting the said axis, and means for moving the tube relatively to the cutter longitudinally of the said axis in a direction towards the concave face of the cutter and rotatably about the said axis, the cutter being adapted to be rotated by frictional engagement with the tube to produce a helical cut in the tube.

1,736,956. MACHINE FOR MAKING SPECTACLE TEMPLES. ROYAL H. SIMONDS, Southbridge, Mass., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 3, 1924. Serial No. 753,755. 5 Claims. (Cl. 29-20.)

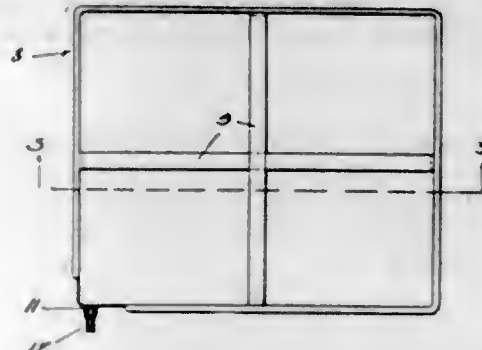


5. A machine for making a spectacle temple comprising a spirally cut tube having a core therein, the said machine having, in combination, means for holding the tube so that it may be compressed along the core, and means for enlarging the core at a point adjacent to the end of the tube so that when the tube is allowed to expand the enlarged portion of the core will seat against the said end.

1,736,957. OPERATING TABLE. ANDREW T. WHELAN, Syracuse, N. Y. Filed Oct. 19, 1927. Serial No. 227,077. 1 Claim. (Cl. 45-50.)

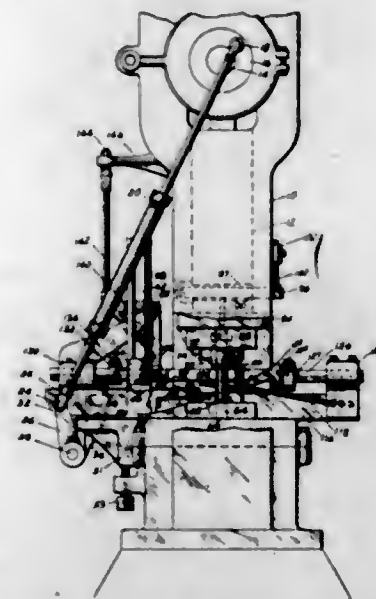
A receptacle for the purpose described comprising a shallow pan having a flat bottom of a size to place under the head and shoulders of a body and having an outlet in one of its sides and means flush with the top of said

pan and integral therewith for supporting the head and shoulders of the body off the bottom thereof comprising flat bars extending diametrically of the pan and at right



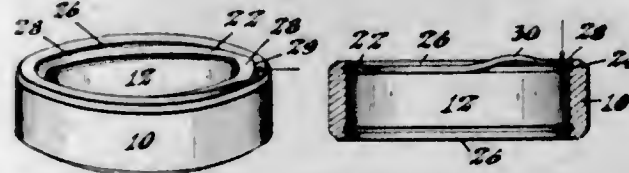
angles to each other and having down-turned ends resting on the bottom of the pan, one of said bars being depressed where the bars intersect, to form a passage for the other bar so that the upper faces of the bars are flush.

1,736,958. PUNCHING MACHINE. FRANK WHITECAR, Irvington, N. J., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 23, 1924. Serial No. 721,723. 5 Claims. (Cl. 164-33.)



1. In a machine of the character described, a work support held in a fixed position, a reciprocating punch, a magazine, mechanism for feeding individual work pieces successively from the magazine into the path of the punch and upon the support, and means operated in timed relation to the feeding mechanism for successively stripping the work pieces from the punch and ejecting them from the machine.

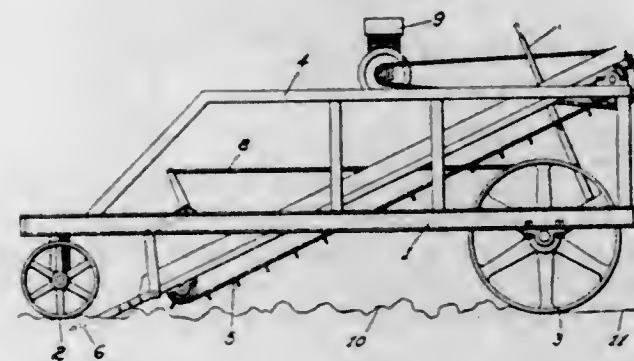
1,736,959. METHOD OF ASSEMBLING BEARINGS. HAROLD R. GIBBONS, Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Original application filed Apr. 13, 1927. Serial No. 183,338. Divided and this application filed Aug. 10, 1928. Serial No. 298,759. 5 Claims. (Cl. 29-84.)



1. The method of applying a continuous retaining ring having projecting tongues to a grooved race ring which

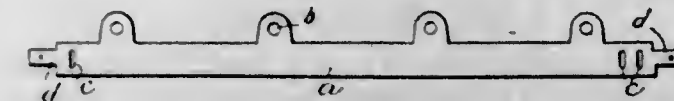
consists in inserting a tongue of the retaining ring in the groove of the race ring, and applying radial and lateral pressure to a remaining tongue, the radial pressure temporarily deforming the ring within its elastic limits and the lateral pressure carrying the remaining tongue into line with the groove; substantially as described.

1,736,960. POTATO DIGGER. ROSCOE C. ZUCKERMAN, Stockton, Calif. Filed Aug. 16, 1926. Serial No. 129,358. 2 Claims. (Cl. 55-137.)



1. A potato digger including a wheel mounted frame, a roller mounted on the frame to bear against the ground to flatten and smooth the same, a digging element carried by the frame a considerable distance ahead of the roller, and an intermediate conveyor adapted to convey the potatoes from the digging element and discharge them over the roller onto the smooth ground behind the same, the conveyor having openings therein whereby the loose dirt gathered with the potatoes will sift therethrough prior to the potatoes being discharged over the roller.

1,736,961. HANDLE-SUPPORTING CLOSURE BAND FOR VESSELS. FRIEDA VON ALVENSLEBEN, née WÄGNER, Gut Rusteberg, near Arenshausen, Germany. Filed Mar. 29, 1928, Serial No. 265,728, and in Germany Feb. 26, 1927. 2 Claims. (Cl. 220-91.)



1. An annular closure band for vessels characterized by the feature that the band serves the purpose both of holding down the vessel cover of any size and for carrying one or more superposed and interconnected vessels, the band which is provided with tongues being laid round the upper rim of the wall of the vessel in such a manner that some of the tongues are bent inwards for the purpose of holding down the cover and the remaining tongues can be used for carrying the vessel or for attaching a ball for carrying the vessel.

1,736,962. DEVICE FOR SWINGING DOUBLE-HUNG WINDOWS. WILLIAM JOHN BLAKE, Buffalo, N. Y. Filed Sept. 9, 1927, Serial No. 218,536. Renewed Sept. 28, 1929. 1 Claim. (Cl. 16-176.)

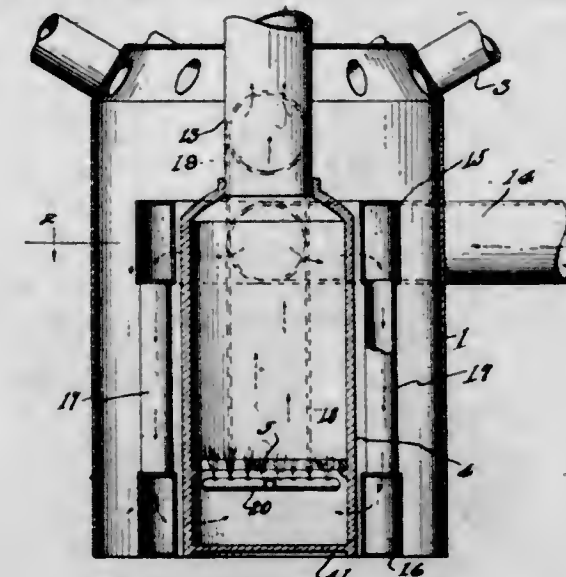
A sash supporting hinge for a window structure of the character described, comprising a female hinge member having an orifice therein and adapted to be secured to the window frame, a male hinge member comprising a substantially T-shaped plate having a slot in the transverse portion thereof, said plate adapted to be pivotally mounted in the vicinity of its lower end upon the window sash so that it can be swung into and out of the female

hinge member engaging position, a stop member adapted to extend from the sash through the slot in the plate to limit the swinging movement thereof, a downwardly ex-



tending hinge pin mounted upon one end of the transverse portion of the plate and adapted to enter the orifice in the female hinge member when such male member is swung into the engaging position.

1,736,963. COMBINED INCINERATOR AND FUEL ECONOMIZER. HAROLD G. BULLOCK, Flint, Mich. Filed Apr. 27, 1928. Serial No. 273,189. 6 Claims. (Cl. 126-225.)

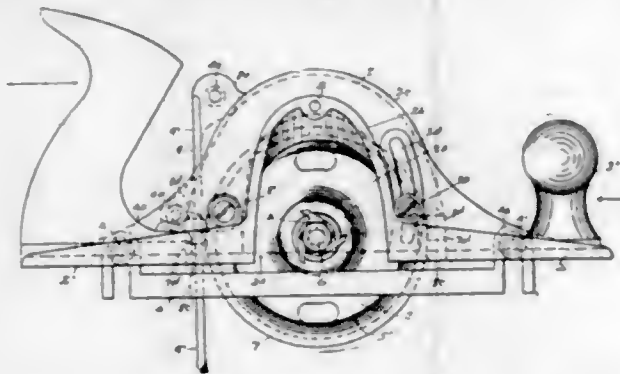


1. In apparatus of the character described, the combination with a smoke flue of a furnace, of an incinerator adapted for the introduction and burning of refuse, an exhaust flue for the incinerator, a series of exhaust flue conduits contiguous to the incinerator into which the furnace smoke flue discharges, the exhaust flues about the incinerator communicating with the exhaust flue of the incinerator, a casing about the incinerator and contiguous exhaust flues, a cold air inlet at the bottom of the casing, and an outlet for heated air at the top thereof.

1,736,964. COMPOSITE STRUCTURE. RICHARD PAUL CARLTON, St. Paul, Minn., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Filed Dec. 29, 1923, Serial No. 683,523. Renewed June 28, 1927. 42 Claims. (Cl. 51-280.)

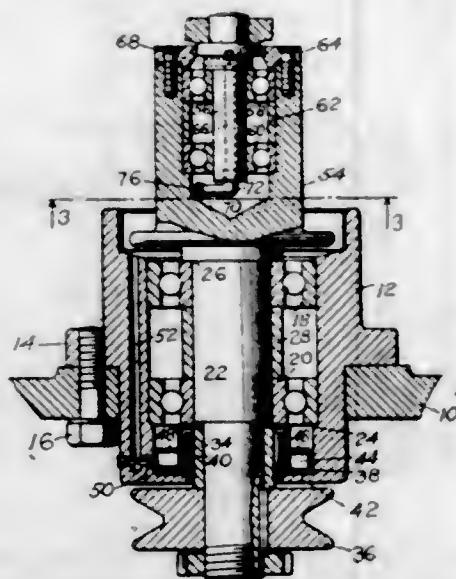
1. A flexible abrasive device comprising a plurality of moisture-proof layers of cellulosic material united to form a substantially homogeneous piece, a flexible modifying agent for said layers for imparting increased strength and adhesiveness thereto, and abrasive material embedded in one of said layers.

1,736,965. WOODWORK PLOW. RAY L. CARTER, Phoenix, N. Y., assignor to R. L. Carter Company, Inc., a Corporation of New York. Filed Nov. 3, 1928. Serial No. 317,058. 5 Claims. (Cl. 144—134.)



1. In a woodworking plow, a body adapted to be manually moved over the work having a housing formed intermediate its ends, a curved shoe pivoted to said housing for movement in a plane parallel to the longitudinal axis of the body, a motor pivoted to said shoe for movement in a plane substantially at right angles to the shoe, and provided with a shaft and a cutting member carried by said shaft and disposed within said housing.

1,736,966. BEARING MOUNTING. THOMAS C. DELAVAL-CROW, Bristol, Conn., assignor to The New Departure Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed Mar. 3, 1926. Serial No. 91,955. 6 Claims. (Cl. 308—157.)

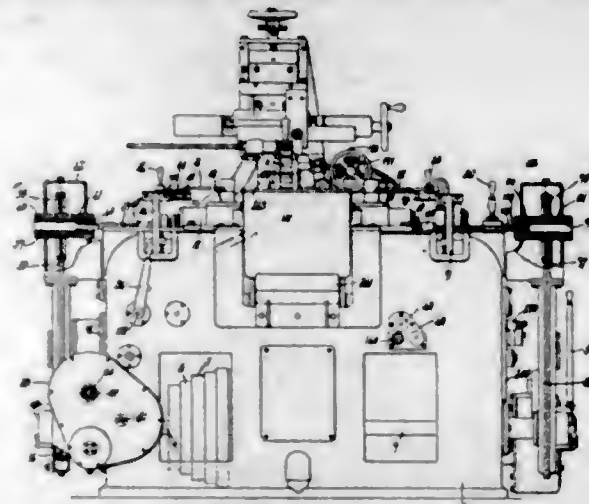


1. In a bearing mounting, an upright shaft having a central bore open at the lower end, a rotary member having a lubricant collecting chamber therein and enclosing the lower end of the shaft, antifriction bearings between the shaft and the rotary member, said shaft having lubricant passages leading from its bore to points above the bearings, a pipe secured to the end of the shaft and communicating with the bore in the shaft, said pipe extending axially downwards from the end of the shaft and curving transversely of the shaft to receive lubricant thrown outwardly in the chamber by the rotation of the member the lubricant being forced to the passages above the bearings and returning by gravity through the bearings to the chamber; substantially as described.

1,736,967. GRINDING MACHINE. WARREN F. FRASER, Westboro, Mass. Filed June 14, 1923. Serial No. 645,319. 32 Claims. (Cl. 51—49.)

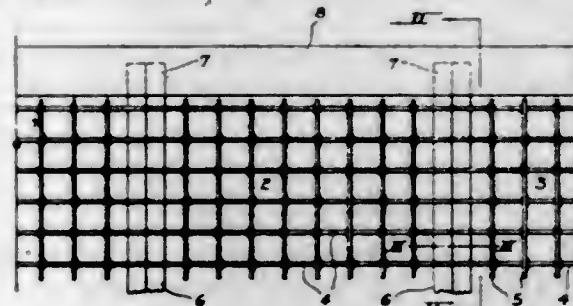
1. A grinding machine comprising, in combination, a work member, means to support and rotate said work

member, a grinding member, means to support and rotate said grinding member and means to cause one of said



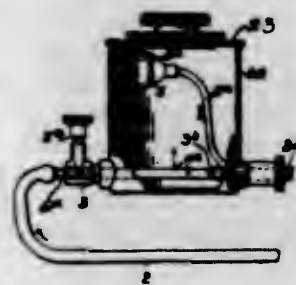
members to approach and engage the other of said members in a path approximately tangential to the point of contact of said grinding wheel and work.

1,736,968. COMPOSITE METAL STRUCTURE. ALBERT GOERTZ, New York, N. Y., assignor to Tri-Lok Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 25, 1926. Serial No. 143,914. 6 Claims. (Cl. 189—84.)



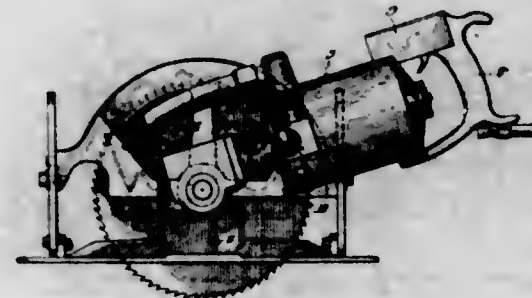
1. A grating structure comprising a pair of adjacent grating sections, and a common tie and supporting member therefor extending beyond a side boundary of the grating.

1,736,969. ATOMIZING DEVICE FOR PULVERULENT MATERIAL. ERICH GREISER, Berlin-Neukölln, Germany. Filed May 25, 1928. Serial No. 280,570, and in Germany Dec. 15, 1927. 2 Claims. (Cl. 302—52.)



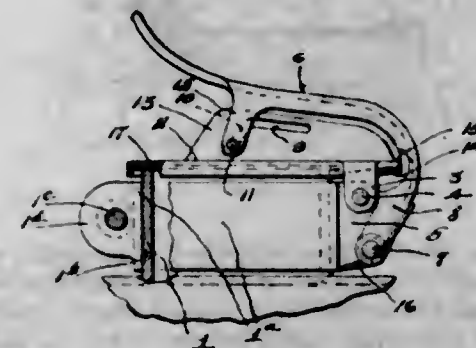
1. An atomizing device for pulverulent material, comprising, in combination, a vessel adapted to receive said material, a pipe passing through said vessel and forming a nozzle at its end and having a few small apertures, means for introducing compressed air into said pipe from the other end; a second pipe arranged coaxially with the first-mentioned one and receiving the jet escaping from said nozzle; a third pipe branching off said second pipe and extending upwardly in said receptacle and serving to conduct the mixture of compressed air and whirled-up pulverulent material to the said second pipe under the sucking action of the said nozzle, substantially as set forth.

1,736,970. POWER-DRIVEN TOOL. JOSEPH F. HAAS, Forest Park, Ill., assignor to Wodack Electric Tool Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 16, 1927. Serial No. 175,651. 5 Claims. (Cl. 143—155.)



1. A portable power driven tool having, in combination, a housing, a driven arbor journaled in said housing, a sleeve having an annular collar thereon and arranged to be positioned on the free end of said arbor, a saw blade and a second collar each adapted to fit over said sleeve, means for securing said saw and said second collar on said sleeve with said saw between the two collars, means for fastening said sleeve to said arbor including a pin extending radially through aligned openings in said arbor and sleeve and held in position by said second collar, said pin being snugly held in said sleeve but relatively loose in said arbor, and a yieldable bushing interposed between said sleeve and said arbor to permit said sleeve and the parts carried thereon to become "self-centered" during rotation thereof.

1,736,971. OPERATING MEANS FOR CAPS OR LIDS OF GASOLINE TANKS AND THE LIKE. MAX F. HARRIS, Auburn, N. Y. Filed Feb. 20, 1928. Serial No. 255,580. 9 Claims. (Cl. 220—35.)



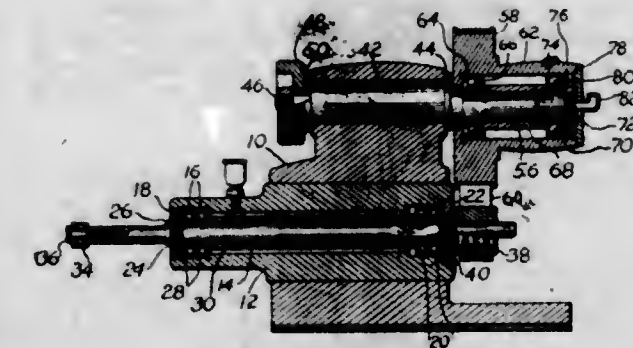
1. The combination of a tubular body and a cap therefor pivoted at one side of the body adjacent the body whereby the cap is hinged at one edge substantially at one edge of the tubular body and movable on its pivot into and out of position to close the body, a pivoted operating member connected to the cap to have a limited movement relatively thereto, the operating member having means for normally locking the cap closed, said means being movable into and out of coaction with the cap during the limited movement of the operating member relatively to the cap and a spring tending to move the operating member to close the cap.

1,736,972. SPINDLE MOUNTING. PHILIP H. HUTCHINSON, East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 690,570. 2 Claims. (Cl. 308—189.)

1. In a spindle mounting for high speed tools, a head having an opening for detachably receiving a quill or

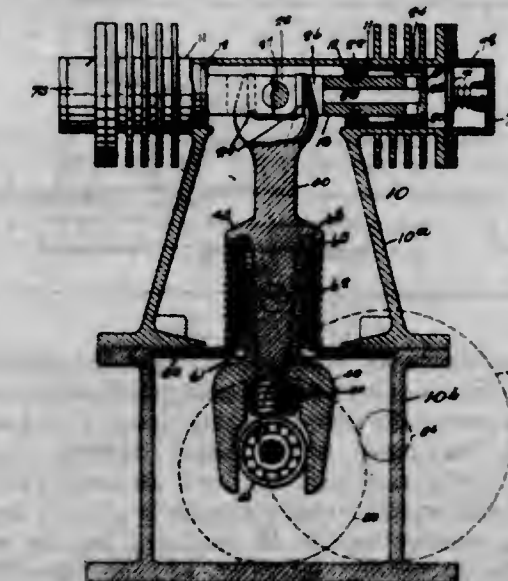
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housing, the housing having a bore with enlargements at the ends, outer bearing rings in each enlargement, rolling elements for each set of rings, a nut threaded in one end of the housing for clamping one set of rings against a shoulder formed by the enlargement, the other set of bearing rings being slidable in the other enlargement and having thrust faces between the rolling elements to insure simultaneous sliding movement, a spindle extending through the housing and having an enlargement forming a shoulder, the enlargement having right and left threads fitting a smooth bore in the nut to retain lubricant and exclude foreign matter, a tool on the end of



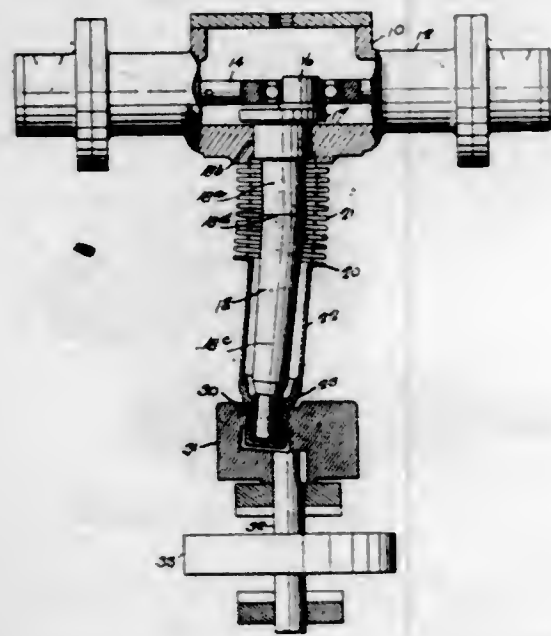
the spindle, inner bearing rings fitting the spindle at the shoulder, inner bearings fitting the spindle near the other end of the latter, a spacing sleeve on the spindle between the inner sets of bearing rings, a driving member having an extension threaded on one end of the spindle next to the adjacent inner bearing rings to clamp the sets of inner bearing rings and the sleeve as a unit against the spindle shoulder, a cap closing the end of the housing and having a smooth bore, the extension of the driving member having right and left threads fitting in the bore of the cap, the removal of the driving member alone enabling the spindle to be slid out of the housing without disturbing the bearings; substantially as described.

1,736,978. PUMP FOR REFRIGERATION SYSTEMS. JESSE G. KING, Dayton, Ohio, assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 19, 1920. Serial No. 397,519. 23 Claims. (Cl. 80—85.)



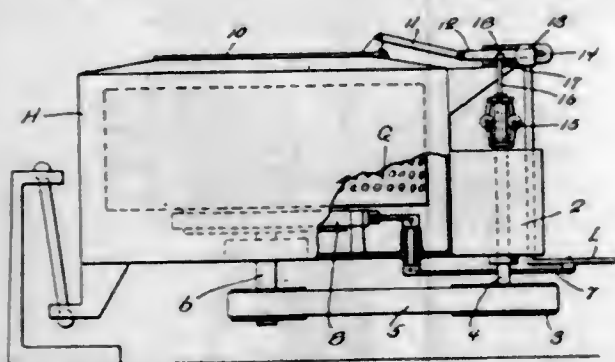
1. A compressor having a casing, a walking beam disposed within said casing, a bellows surrounding said beam near the center thereof, one end of the said bellows being hermetically sealed to the casing and the opposite end being similarly sealed to the said walking beam, a member extending outward from the said walking beam where said bellows is sealed thereto, arms extending laterally from said member toward the longitudinal center of said bellows and bearings for said arms at the approximate longitudinal center of said bellows.

1,736,974. PUMP FOR REFRIGERATION SYSTEMS. JESSE G. KING, Dayton, Ohio, assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 3, 1920. Serial No. 400,894. 5 Claims. (Cl. 74-14.)



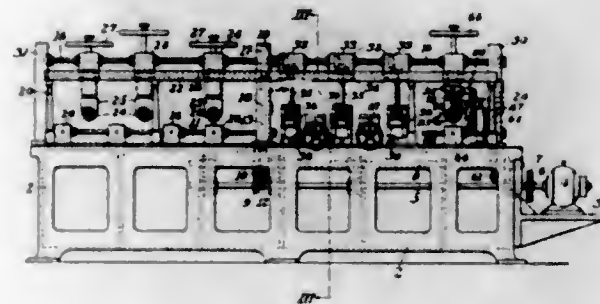
1. A power transmitting device comprising in combination a wall; and means for transmitting power through the wall including a power transmitting member having a nutating portion, and a metal bellows sealed to the wall and connected to said nutating portion, the center of nutation of said nutating portion being substantially midway between the normal positions of the end planes of the bellows.

1,736,975. SAFETY DEVICE FOR CENTRIFUGAL MACHINES. HUBERT J. M. C. KRANTZ, Aachen, Germany. Filed Oct. 25, 1926. Serial No. 144,942. 6 Claims. (Cl. 192-136.)



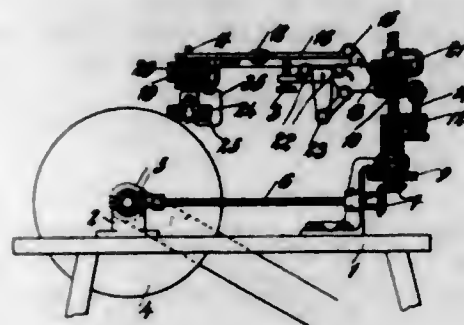
4. In a centrifugal machine, a rotatable member, a drive motor connected to rotate said rotatable member, a displaceable guard for said rotatable member, a part connected with the guard to be moved thereby when the guard is displaced said part having a shoulder thereon, a bearing member within which said part is slidably mounted said bearing member having an auxiliary bearing opening therethrough extending laterally of the direction of movement of said part, a latch rod movable in said auxiliary bearing opening into and out of engagement with said shoulder, and means whereby the rotatable member will move the latch rod into and out of engagement with said shoulder according to whether the rotatable member is rotating or not, together with a brake for the rotatable member, an operating handle for said brake, and means connected with said handle adapted to be moved thereby into and out of position controlling the sliding movement of said mentioned part according as the brake is applied or released.

1,736,976. APPARATUS FOR STRAIGHTENING METAL BARS AND SHAPES. JACOB T. LEECH, Beaver, Pa., assignor to Union Drawn Steel Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Mar. 31, 1925. Serial No. 19,593. 16 Claims. (Cl. 153-54.)



1. A straightening machine, comprising a set of straightening rolls arranged to act on opposite portions of the work, and a set of straightening rolls arranged to act on opposite portions of the work at right angles to the first-mentioned portions, said last-mentioned rolls being relatively adjustable to vary the spacing between adjacent rolls longitudinally of the machine, substantially as described.

1,736,977. METHOD OF AND MEANS FOR ROUNDING OFF OR BEVELING EDGES OF GLASS OR LIKE ARTICLES. FRANZ LIEBL, Vienna, Austria. Filed Nov. 6, 1926. Serial No. 146,696, and in Austria Oct. 2, 1925. 1 Claim. (Cl. 51-97.)

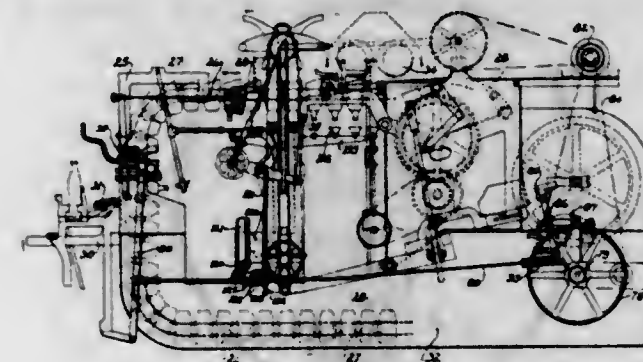


A machine of the class described, comprising a grindstone mounted for rotation, a shaft geared thereto, a vertical shaft geared to the first named shaft, bearings for said shafts, a driving pulley on the vertical shaft and splined thereto for rotation therewith and vertical movement thereon, a cantilever on said vertical shaft and movable thereon, together with the driving pulley, means to vertically adjust the cantilever, an arm pivotally connected to the cantilever for vertical angular movement, and means to vertically adjust said arm, said arm having a member forming an extension of its free end and pivotally connected thereto, a shaft having its bearings in said extension of said arm and provided with a non-circular pulley and also with a non-circular work holder and an endless belt connecting said non-circular pulley with said driving pulley on said vertical shaft.

1,736,978. VALVE MECHANISM FOR BOTTLE-CLEANING MACHINES. GEORGE J. MEYER, Milwaukee, Wis., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Jan. 24, 1925. Serial No. 4,455. Divided and this application filed Nov. 17, 1927. Serial No. 233,925. 7 Claims. (Cl. 137-145.)

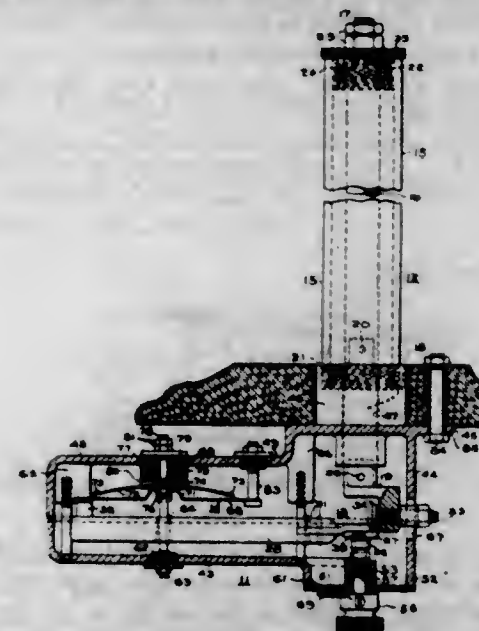
1. In a bottle washing machine, a valve mechanism for controlling the passage of fluid to the machine com-

prising a valve including an oscillating lever, a reciprocating member adapted to engage said lever for producing an intermittent flow of fluid through said valve, and



manually-operated means for controlling the placement of said reciprocating member to operative or inoperative position with respect to said lever.

1,736,979. THERMAL RELAY. AUGUST J. MOTTILAU, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 14, 1927. Serial No. 161,063. 3 Claims. (Cl. 200-137.)



1. The combination with a circuit-controlling device, a thermo-responsive means having a knife edge at one end thereof, a knife-edge-pivot means, and a lever operatively connecting the circuit-controlling device and the thermo-responsive means and having opposite faces at one end thereof lying in one longitudinal plane and operatively engaging the respective knife edges.

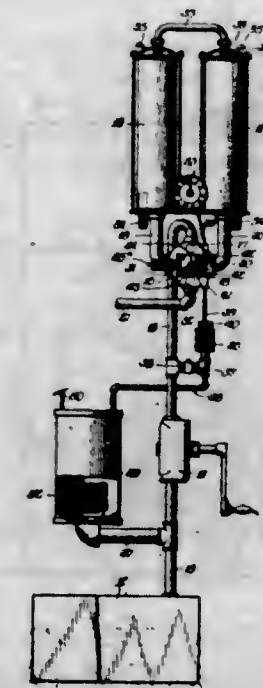
1,736,980. DRIER. NICOLAS PANZIREFF, Moscow, Russia. Filed Dec. 5, 1928. Serial No. 323,987, and in Germany Mar. 21, 1928. 1 Claim. (Cl. 24-12.)



In a drier, the combination with a chamber, rows of drying conveyors inside of said chamber, a longitudinal

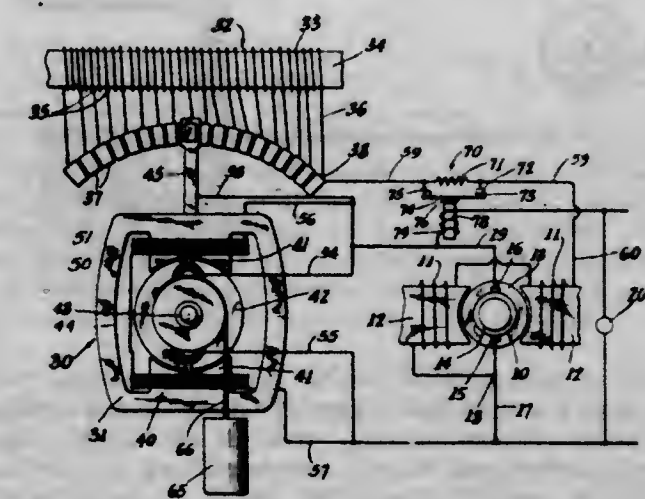
duct for hot gases at the bottom of said chamber, said conveyors forming a central longitudinal clearance for said gases, the roof of said chamber forming longitudinal vaults on top of said conveyors, a central partition between said vaults adapted to deflect said gases to the sides of said chamber, and exhaust ducts at the bottom of said chamber for said gases, said ducts being provided with tapering apertures.

1,736,981. LIQUID-DISPENSING MECHANISM. WALTER H. PARKER and FREDERICK W. DELANOY, Rochester, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 17, 1926. Serial No. 88,771. 15 Claims. (Cl. 221-100.)



1. In liquid dispensing apparatus, the combination of a measuring container, a liquid supply pipe through which liquid is supplied thereto, a valve for controlling the supply of liquid to said container, a branch pipe extending from said supply pipe, and reciprocating means responsive to liquid pressure developed in said supply and branch pipes for positively actuating said valve.

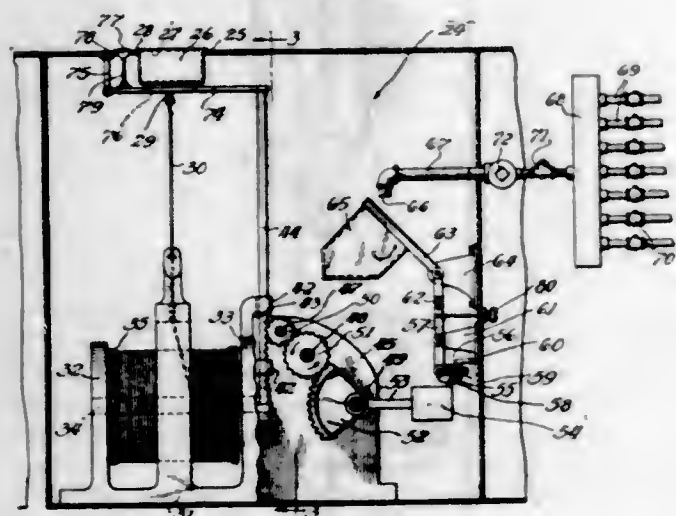
1,736,982. CONTROL SYSTEM FOR DYNAMO-ELECTRIC MACHINES. HARRY R. PATTERSON, Poughkeepsie, N. Y., assignor to De Jon Electric Corporation, a Corporation of Delaware. Filed Mar. 12, 1925. Serial No. 14,809. 1 Claim. (Cl. 171-229.)



In a control system for dynamo-electric machines, the combination of a dynamo-electric machine having a shunt

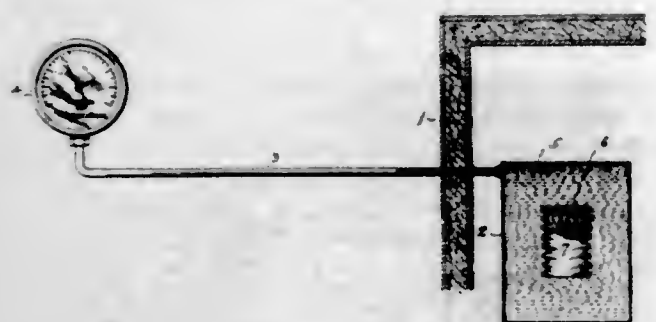
field; a variable resistance interposed in series with said field; motor operated means for varying said resistance in accordance with the variation of voltage of said dynamo-electric machine, said motor means being electrically connected in parallel with said machine; and additional means for limiting the amount of current output of the dynamo-electric machine within certain predetermined limits comprising a fixed resistance in series with said field and means to cut said fixed resistance into the field circuit, said means depending solely upon the current output of said dynamo electric machine.

1,736,983. DEVICE FOR RECOVERING SUBMARINE BOATS. ANTHONY F. PETRIS, South Chicago, Ill. Filed Apr. 12, 1928. Serial No. 269,349. 12 Claims. (Cl. 114-16.5.)



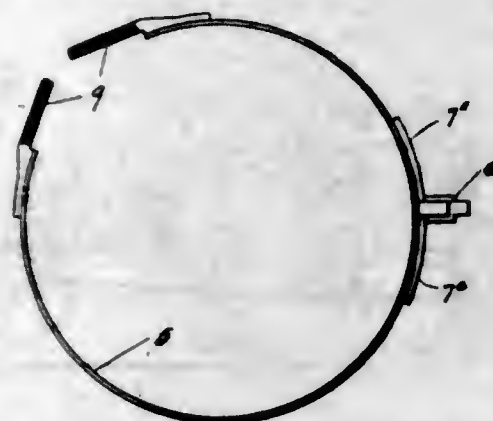
1. In a device for recovering submarine boats, the combination of a boat body having a buoy chamber, with a buoy carried in the outer wall of said chamber, extensible means in said chamber connecting said buoy with said boat, and means responsive to the presence of water in other chambers of the boat, for releasing said buoy, comprising conduits leading to chambers in said boat, and means actuated by a predetermined amount of water for releasing said buoy.

1,736,984. THERMOSTATIC CARTRIDGE. JOHN H. SHRETS, Dayton, Ohio. Filed Sept. 17, 1928. Serial No. 306,351. 6 Claims. (Cl. 297-8.)



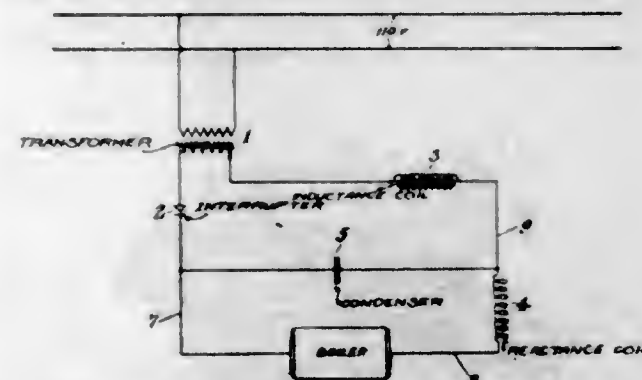
1. In a thermostatic control device, a confined fluid body having a minimum factor of expansion and contraction under thermal change, and an expansible sealed cartridge submerged therein and containing a body susceptible to thermal change and having a greater factor of expansion and contraction, and adapted by its expansion to displace said first mentioned fluid body and a member operated by the displacement of said fluid body.

1,736,985. BRAKE. WILLIAM J. SOVARRIGN, Bay City, Mich. Filed May 7, 1928. Serial No. 275,639. 3 Claims. (Cl. 188-259.)



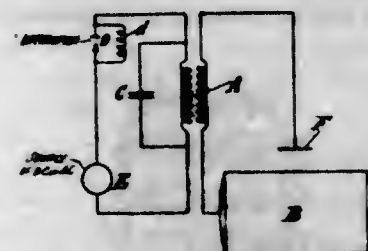
1. A brake comprising a band, passages in said band and terminating in countersunk openings, brake liners having detachable engagement with said band, and provided with bolts adapted to travel in said passages, and nuts projecting into said countersunk openings.

1,736,986. PROTECTION OF METALLIC SURFACES AGAINST INCRUSTATION AND CORROSION. WALTER THALHOFER, Vienna, Austria, assignor to A. G. für Chemische Industrie in Liechtenstein, Schaan, Liechtenstein. Filed Aug. 19, 1925, Serial No. 51,190, and in Austria Aug. 21, 1924. Renewed Oct. 15, 1929. 15 Claims. (Cl. 204-25.)



1. Method of protecting from incrustations and corrosion metallic surfaces, which comprises applying to the device the metallic surface of which is to be protected, an interrupted pulsating electric current whose form characteristic as applied to the device has been substantially altered or distorted by subjecting it to the influence of one or more reactance devices.

1,736,987. PROTECTION OF METALLIC SURFACES AGAINST INCRUSTATIONS AND DEPOSITS. WALTER THALHOFER, Vienna, Austria, assignor to A. G. für Chemische Industrie in Liechtenstein, Schaan, Liechtenstein. Filed Dec. 15, 1926, Serial No. 154,919, and in Austria Apr. 2, 1925. 4 Claims. (Cl. 204-25.)



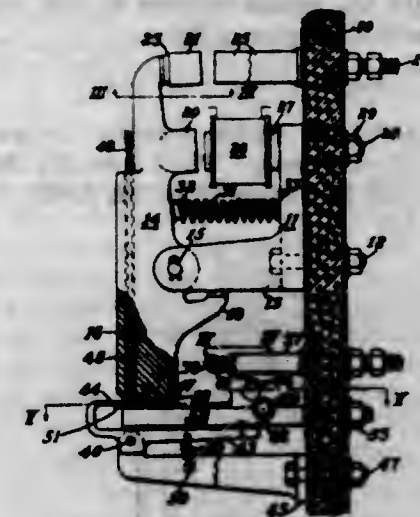
2. In a system of the character described, the combination of a metallic body to be protected from incrustations, a metallic body in proximity thereto, a circuit connecting said two bodies so that they may function as condenser plates when the circuit is energized, and means for energizing said circuit with a pulsating electromotive force.

1,736,988. COMMUTATOR CYLINDER. FRANK H. TUPPER, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 18, 1927. Serial No. 176,565. 5 Claims. (Cl. 171-321.)



1. A molded commutator member comprising a body of molded insulating material having a plurality of segments of conducting material embedded therein, said segments having circular recesses aligned to provide an annular slot and a plurality of reinforcing members disposed in the said slot providing a reinforcing ring having a little more than semi-circular cross-section thereby retaining the segments against centrifugal action, said slot being of such shape that the reinforcing members are prevented from becoming displaced during the molding of the commutator.

1,736,989. THERMAL-CIRCUIT CONTROLLER. HAROLD E. WHITE, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 28, 1927. Serial No. 187,144. 8 Claims. (Cl. 200-88.)

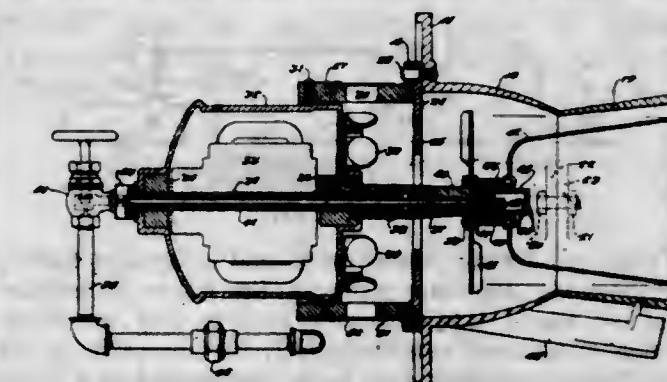


2. In a circuit-protective device, the combination with a main switch, a magnet coil for actuating said switch, and an auxiliary switch for controlling the circuit of the magnet end coil, of a fusible member carried by the main switch for actuating the auxiliary switch to a circuit-closing position, thereby establishing an energizing circuit through the magnet coil, means responsive to a current of a predetermined value traversing the main switch for partially fusing said fusible member, and means for severing said member when it becomes partially fused, whereby said auxiliary switch is released to a circuit-interrupting position to effect deenergization of the magnet coil.

1,736,990. OIL BURNER. LU ROY WILCOX, Detroit, Mich., assignor to Cope-Swift Company, Inc., a Corporation of Michigan. Filed Nov. 18, 1927. Serial No. 284,075. 3 Claims. (Cl. 188-77.)

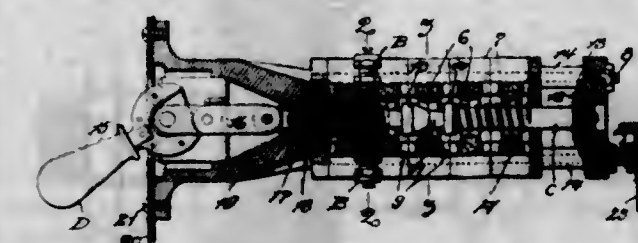
1. In combination with a furnace provided with an opening therein, a member detachably securable to said furnace for sealing said opening and provided with an

inwardly extending casing, an outwardly extending frame detachably secured to said member, a motor telescopically carried by said frame, and a fan and vaporizing cup carried by the shaft of said motor within said casing, said fan being of the axial displacement type and said cup



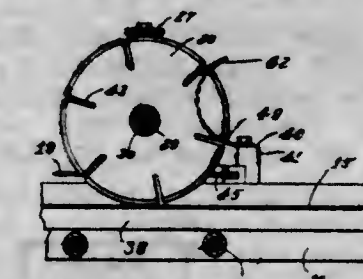
being of approximately the same diameter as said fan, the space between said cup and said casing providing a duct for the passage of air from said fan, said motor, fan and cup being removable from said member and casing as a unit, and said cup being wholly exposed upon such removal.

1,736,991. ALL-MASTER, MULTICONTACT, PILOT SWITCH. FRED. B. ADAM, St. Louis, Mo. Filed Dec. 5, 1925. Serial No. 73,430. 16 Claims. (Cl. 200-16.)



1. A switch comprising a plurality of contacts, a feeder rod adapted to engage and disengage all of the plurality of contacts and a member operable by the feeder rod, adapted to connect said rod with a source of supply.

1,736,992. SLAB CUTTER. SWAN F. ANDERSON, Rockford, Ill., assignor to Anderson Bros. Mfg. Co., Rockford, Ill., a Corporation of Illinois. Filed Nov. 11, 1926. Serial No. 147,630. 20 Claims. (Cl. 107-22.)

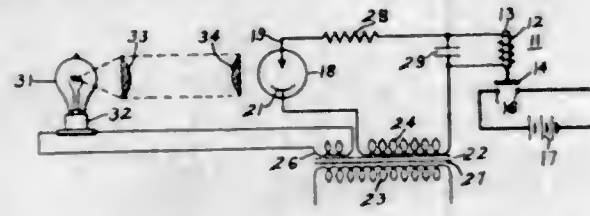


1. A slab cutting machine comprising a slab support, a cutting blade mounted for operation on the slab thereon, means for revolving said blade, means to produce relative movement between said support and the blade, and a skimming blade mounted adjacent the edge of the cutting blade and transverse to the plane thereof, said skimming blade being disposed in a certain relation to said support so as to trim the slab to a predetermined dimension and having a slot therein receiving the edge portion of the cutting blade to serve as a guide therefor.

1,736,993. LIGHT-RELAY SYSTEM. JOHN V. BREISKY, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 9, 1928. Serial No. 318,296. 5 Claims. (Cl. 250-1.)

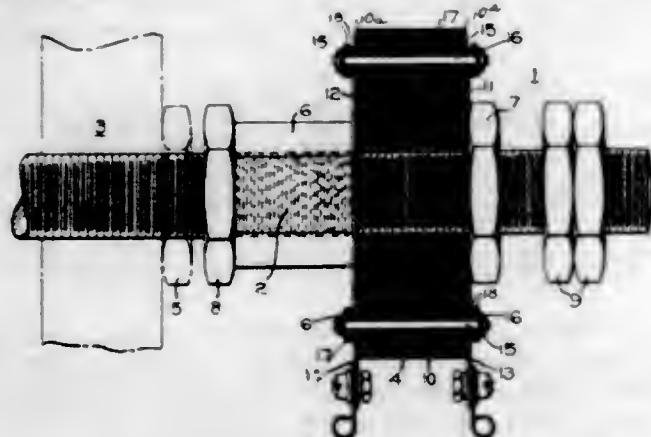
1. In an electric circuit, a normally energized electromagnetic relay, a source of radiant energy normally emit-

ting a beam of energy of a predetermined intensity, and means for deenergizing said relay upon momentary reduction in the intensity of radiant energy emitted by said source and maintaining it deenergized upon return of the intensity to its normal value comprising a light-sensitive



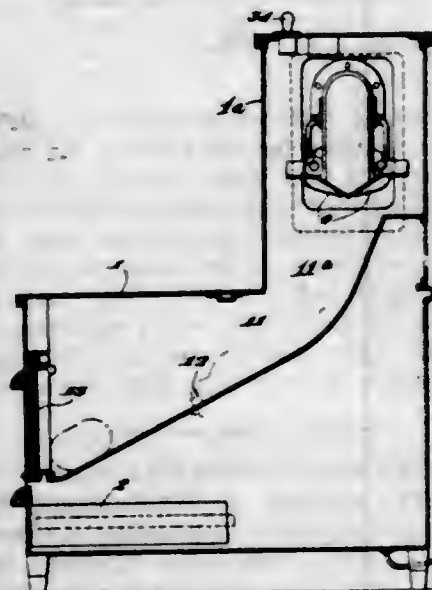
glow tube in electric circuit with said relay and having an appreciable difference between the value of radiant energy at which it becomes conductive and the value at which it becomes non-conductive, the intensity of the beam affecting the glow tube being maintained at a value below that at which the tube becomes conductive.

1,736,994. CURRENT TRANSFORMER. EDWARD M. CLAYTON, Edgewood Acres, and HAROLD E. COBB, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 1, 1927. Serial No. 165,097. 5 Claims. (Cl. 175-358.)



1. In an instrument transformer, a conductor, means for mounting the conductor, a magnetic core member surrounding the conductor comprising a combination of slotted and unslotted laminations.

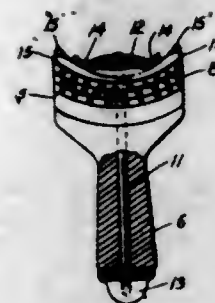
1,736,995. DESK STATION FOR PNEUMATIC-DISPATCH SYSTEMS. JAMES T. COWLEY, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Oct. 10, 1927. Serial No. 225,080. Renewed Mar. 25, 1929. 11 Claims. (Cl. 243-19.)



1. Apparatus of the class described, comprising a piece of usual office furniture provided with a compartment, a

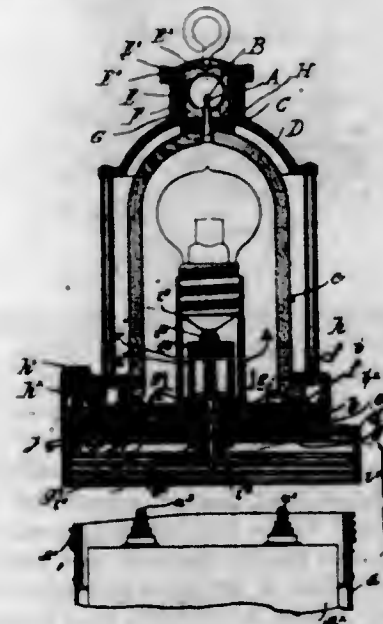
door normally closing an entrance to the compartment, a pneumatic tube terminal arranged to deliver carriers into the compartment, a suction tube connected to said terminal, means normally closing the delivery terminal, said means opening automatically to permit a carrier to enter the compartment, and signal means to indicate the delivery of a carrier into the compartment.

1,736,996. TOOTHBRUSH. AMEDEUS G. DALMAS, Oakland, Calif. Filed Jan. 9, 1928. Serial No. 245,409. 1 Claim. (Cl. 15-188.)



A toothbrush comprising an arcuate mouth member of resilient material normally providing a curved channel for the reception of the teeth of a set, a handle member for said mouth member secured medially thereto and extending transversely of said channel and of the axis of curvature thereof, an adjusting element extending longitudinally through said handle and transversely through the mouth member, one end of said element engaging said mouth member at points thereof radially opposite spaced points in the arc of curvature of the channel, and means engageable with the other end of said element and the free end of said handle for effecting the engagement of said element with the mouth member at said points with an adjustably variable degree of force.

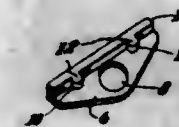
1,736,997. ELECTRIC MINE LAMP. JULES GASTON DALOZ, Courbevoie, France. Filed June 11, 1928. Serial No. 115,172, and in France June 24, 1925. 7 Claims. (Cl. 240-17.5.)



1. An apparatus of the class described comprising in combination a source of current, a lamp, a chamber enclosing said lamp, means for sealing a fluid in the space between the lamp and the walls of said chamber, a flexible diaphragm communicating with said space, said diaphragm being connected to one terminal of the lamp socket, a contact leading to the current source, and a resistance wire connecting said diaphragm to said contact, the diaphragm, the contact and the resistance wire being arranged so that,

under pressure the diaphragm flexes against the contact and current flows directly from diaphragm to contact, and, on release of pressure, the diaphragm moves away from said contact and current flows from diaphragm to contact through the resistance wire.

1,736,998. SHIM. BRADFORD DARRACH, Jr., Hartsdale, N. Y., assignor to Laminated Shim Company, Inc., Long Island City, N. Y., a Corporation of New York. Continuation of application Serial No. 862,095, filed Feb. 28, 1920. This application filed Mar. 19, 1927. Serial No. 176,673. 5 Claims. (Cl. 308-244.)



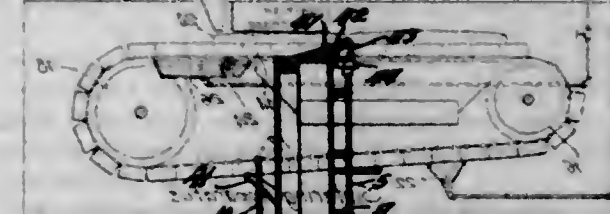
1. A shim including a plurality of superposed body portions having their adjacent surfaces in engagement with one another and single independent means constituting a bearing surface extending along the forward edges of said body portion and interlocking therewith, for holding all of said body portions assembled.

1,736,999. LAST BUSHING AND THE METHOD OF MAKING THE SAME. HENRY O. DAVIS, Brockton, Mass. Filed July 12, 1928. Serial No. 292,815. 2 Claims. (Cl. 29-156.)



1. A last bushing composed of a metal tube provided at one end with an integral laminated flange, composed of an inner layer projecting outwardly from the body of the tube, and adapted to be seated on the crown of a last, a neck projecting laterally from the inner layer, and a reinforcing outer layer projecting inwardly from the neck and bearing on the inner layer, said outer layer forming the exposed pressure-receiving end of the bushing and preventing distortion of the inner layer by pressure exerted on the last, said neck having a rounded periphery forming the outer margin of the flange, the thickness of each of said layers being substantially equal to that of the tube wall, so that the thickness of the flange is greater than that of said wall, the tube having narrow abutting longitudinal faces forming a longitudinally butt joint at one side of the tube and separable from each other at the flange end, so that the formation of said flange is facilitated.

1,737,000. REGISTERING MECHANISM FOR GOLF DRIVING MACHINES. THEODORE H. DECKER, Highland Park, Ill. Filed Mar. 14, 1927. Serial No. 175,848. Renewed May 10, 1928. 15 Claims. (Cl. 265-22.)



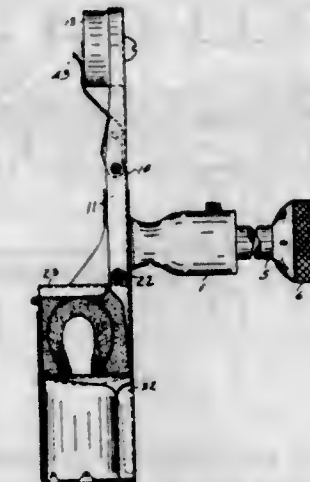
1. The method of registering which includes the step of applying a protective coating to the part of the apparatus by which the charge is carried.



1. A rotatable work support comprising, in combination, a base, a table rotatable thereon, a bearing sleeve rigidly secured in said base and extending vertically therefrom into a bore in said table, a bolt slidable axially but not rotatably in said bearing sleeve, said bolt having a head thereon confined in the table to a limited axial movement, a nut mounted in said base for rotational but against axial movement and in screw threaded engagement with the lower end of said bolt, an index pin slidably mounted in a bore in said base and having a head in said base and a tail end adapted to engage a plurality of sockets in said table adapted to receive said index pin, a rock shaft journaled in said base, and gear connections between said rock shaft and said pin and nut whereby movement of said rock shaft causes simultaneous movement of said pin and nut.

said dial, a pointer having a flexible tip rotatably mounted at the center of said dial, and means set in motion by the impact of a golf ball to rotate said pointer tip into successive contact with said pegs.

1,737,001. CASTING MACHINE. NORMAN H. DENNER, Lakewood, Ohio. Filed Feb. 24, 1928. Serial No. 256,516. 17 Claims. (Cl. 22-65.)



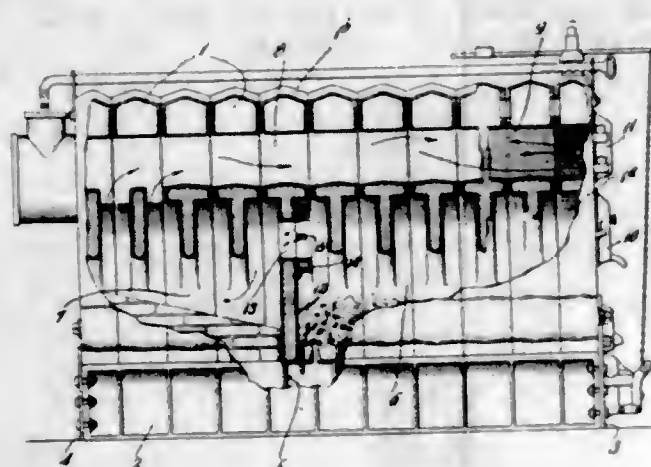
1. A centrifugal casting machine comprising a bar, means adapted for securing said bar intermediate its ends to a motor shaft, said bar comprising on one of its arms, longitudinally spaced substantially radially disposed frame portions, and having an oppositely extended weighted arm, a crucible disposed in the inner of said portions, a flask in the outer of said portions, means to retain the crucible on the inner portion of the bar and a pair of jaws for removably clamping the flask on the bar portion, and means operable from a point on the weighted end of the bar for operating said jaws.

1,737,002. ROTATABLE WORK TABLE. CHARLES B. DE VRIES, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a Corporation of Illinois. Filed Oct. 7, 1926. Serial No. 139,969. 15 Claims. (Cl. 90-58.)



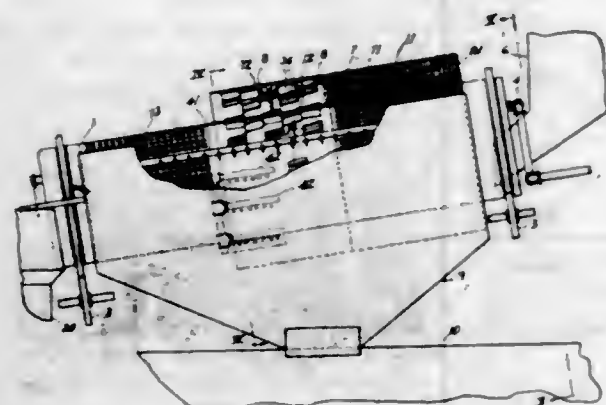
1. A rotatable work support comprising, in combination, a base, a table rotatable thereon, a bearing sleeve rigidly secured in said base and extending vertically therefrom into a bore in said table, a bolt slidable axially but not rotatably in said bearing sleeve, said bolt having a head thereon confined in the table to a limited axial movement, a nut mounted in said base for rotational but against axial movement and in screw threaded engagement with the lower end of said bolt, an index pin slidably mounted in a bore in said base and having a head in said base and a tail end adapted to engage a plurality of sockets in said table adapted to receive said index pin, a rock shaft journaled in said base, and gear connections between said rock shaft and said pin and nut whereby movement of said rock shaft causes simultaneous movement of said pin and nut.

openings which constitute a firebox and flue space in rear thereof and in communication therewith, a water-cooled bridge wall forming the rear wall of the firebox and having an opening constituting the water-cooled throat through which the fire gases pass from the firebox to the flue space,



and an air delivery box located in the firebox in front of the front water-cooled face of said bridge wall, enclosing said opening in the bridge wall and constructed to receive and to deliver air around said opening to the entering current of fire gases passing therethrough.

1,737,004. METHOD OF WASHING GRAVEL. FRANCIS E. DRAVO, Edgeworth, Pa., assignor to The Dravo Contracting Company, Charleroi, Pa., a Corporation of Pennsylvania. Original application filed Mar. 20, 1928, Serial No. 263,058. Divided and this application filed Aug. 8, 1929. Serial No. 384,202. 1 Claim. (Cl. 209—270.)

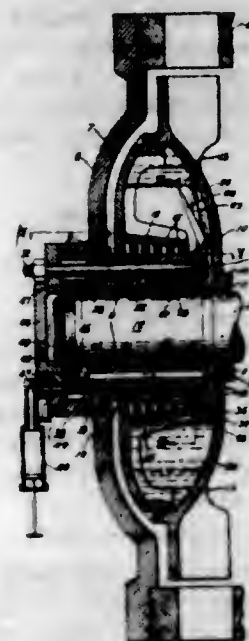


In the washing of gravel from native deposits which contain with the desired gravel larger and undesired pebbles, and undesired adhesive masses of earthy material as well, which consists in putting the material into a coarse and finer subdivisions, scrubbing both divisions, and by scrubbing disintegrating the adhesive masses, carrying away from the scrubbed coarser division the undesired pebbles, and recombining the other parts of the treated material.

1,737,005. ROTARY OPENING. GEORGE M. EATON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 21, 1927. Serial No. 266,740. 7 Claims. (Cl. 301—317.)

A self-contained oil reservoir and bearing comprising a stationary bearing housing having a supporting web and a laterally extending bearing sleeve supported by said web, a journal bearing carried by said sleeve, a rotating shaft journaled in said journal bearing, a rotating hub

fixed to said shaft near the free end of said sleeve, a rotating oil-storing chamber carried by said hub and overhanging a substantial portion of said sleeve, means for preventing loss of oil and entrance of dirt between the free end of said chamber and the outer surface of said sleeve, means for preventing loss of oil and entrance of

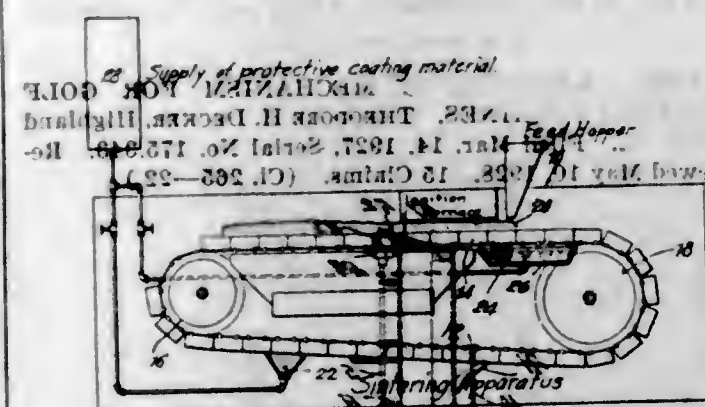


dirt at the end of said journal bearing opposite to said hub, said housing sleeve and journal bearing being provided with a hole in the upper portion thereof for supplying oil to the journal from said chamber, and a combined oil filling and gauging device embodied as a part of said stationary housing.

1,737,006. SUSPENSION COMPOSITION. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Feb. 28, 1925. Serial No. 12,359. 5 Claims. (Cl. 134—11.)

5. A suspension in water containing a water-insoluble metallic soap intimately incorporated with bentonite, said soap being present in amount substantially greater than said bentonite, both the soap and the bentonite existing, in said suspension, as finely pulverulent materials.

1,737,007. SINTERING APPARATUS. EDWIN E. ELLIS, Short Hills, N. J. Filed May 5, 1928. Serial No. 275,360. 3 Claims. (Cl. 266—21.)

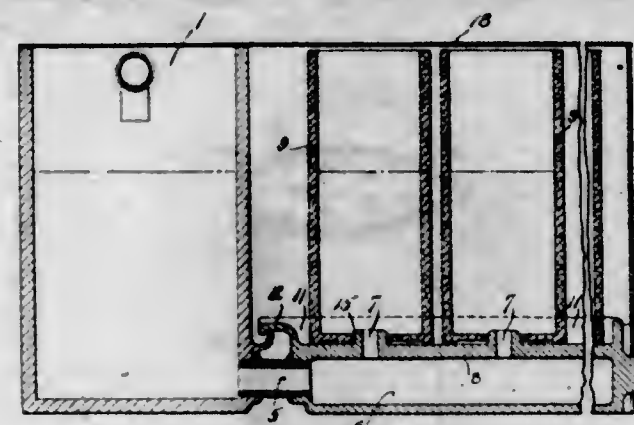


2. The method of sintering which includes the step of applying a protective coating to the part of the apparatus by which the charge is carried.

1,737,008. HUMIDITY. ALFRED A. EGSTIS, Milton, Mass. Filed Aug. 29, 1926. Serial No. 17,146. 4 Claims. (Cl. 299—20.)

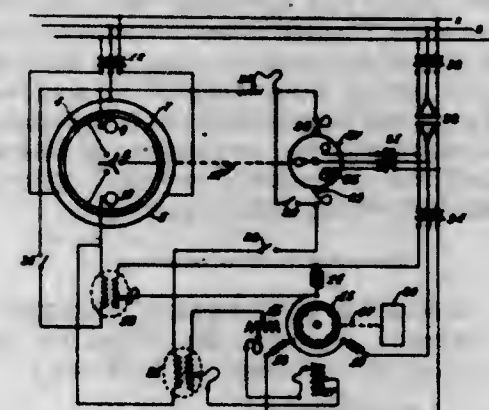
A humidity-measuring device comprising a porous-walled chamber having a vent at the upper end, a conduit communicating

with the lower end of said chamber, and means for automatically supplying liquid to said chamber through said



conduit at a rate proportional to the passage of liquid through the porous-walled chamber, thereby to maintain the level below said vent.

1,737,009. DYNAMO-ELECTRIC MACHINE. VALERE A. FENN, St. Louis, Mo.; Franklin-American Trust Company administrator of said Valere A. Fenn, deceased. Filed Jan. 19, 1928. Serial No. 247,945. 20 Claims. (Cl. 172—274.)



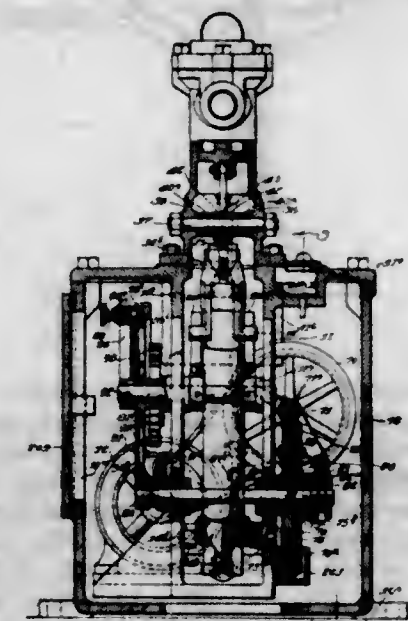
1. In a synchronous dynamo electric machine, a primary and a secondary member, pronounced polar projections on the secondary, an air-gap between the pronounced polar projections and the primary member, a winding located in the pronounced polar projections in closest proximity to said air-gap, and an auxiliary air-gap between a polar projection and the body of the secondary member.

3. In combination, an alternate current motor, a primary and a secondary, a monoaxial winding on the secondary in inductive relation to the primary, means for producing a flux which revolves synchronously with respect to the primary, means for closing the circuit of the monoaxial winding to start the motor, and means for injecting into the secondary starting circuit an auxiliary phase correcting voltage of slip frequency and a magnitude which decreases proportionately with the slip of the alternate current motor.

10. The method of operating a synchronous motor, comprising, producing a flux which revolves synchronously with respect to the primary, producing a standstill and at low motor speeds a monoaxial slip frequency magnetization on the secondary of a phase adapted to start the motor in cooperation with the synchronously revolving flux, producing a polyaxial slip frequency magnetization on the secondary at higher motor speeds, and finally producing a monoaxial and unidirectional magnetization on the secondary to synchronize the motor.

the secondary, comprising, producing a flux which revolves synchronously with respect to the primary, closing the monoaxial winding on the secondary, neutralizing or compensating for at least part of the inductance of the monoaxial winding to cause the current therein to develop a preponderantly positive starting torque in cooperation with the revolving flux, short-circuiting the polyaxial winding after the motor has reached a sufficient speed, and finally injecting a synchronizing voltage into the monoaxial winding.

1,737,010. TIMING AND REVERSING MECHANISM. JOHN C. HANNA, Evanston, Ill., assignor to Hanna Engineering Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1924. Serial No. 746,952. 35 Claims. (Cl. 161—1.)



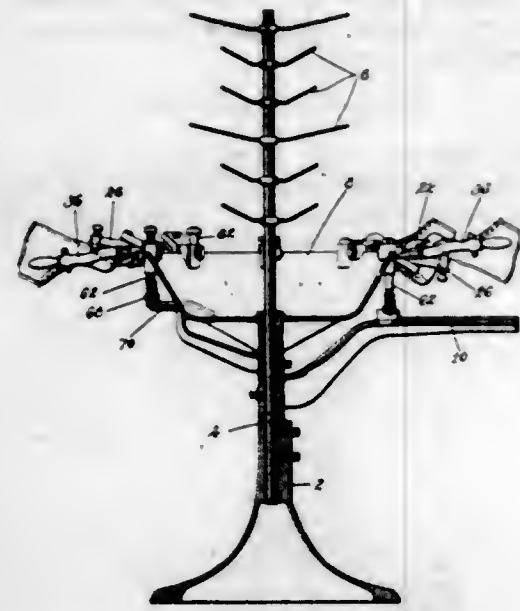
1. In combination, a riveter comprising a reciprocating die, a fluid actuated means to reciprocate the same, a control mechanism comprising a valve to control flow of such actuating fluid, operating means operatively associated therewith and manually movable to move said valve to position to effect riveting stroke of said die, and mechanism controlled by said operating means to effect reversal of said valve and thereby said fluid actuated means and said die after a desired period of time.

1,737,011. MEANS FOR DRIVING POWER-OPERATED VEHICLES, PARTICULARLY AIRCRAFT. ALOIS HALFENSTEIN, Vienna, Austria. Filed June 9, 1925. Serial No. 36,039, and in Austria Apr. 18, 1925. 4 Claims. (Cl. 244—18.)



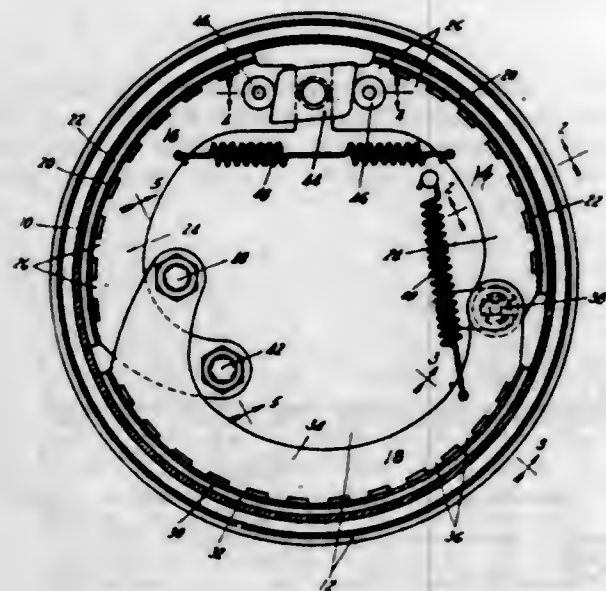
1. Means for driving vehicles by repellent action of compressed air comprising compression chambers in which compressed air is blown, a pipe connected with said chambers and in which the compressed air expands and annular nozzles beneath the covers of the compression chambers.

1,737,012. APPARATUS FOR USE IN THE MANUFACTURE OF SHOES. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 17, 1925. Serial No. 50,643. 39 Claims. (Cl. 12—9.)



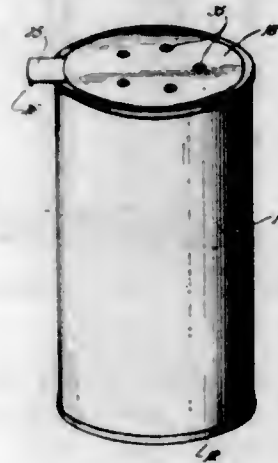
1. In apparatus of the class described, a device for pulling an upper forwardly on a last to prepare it for presentation to a pulling-over or a lasting machine, comprising upper-gripping means and a member about which the last may be tipped relatively to said upper-gripping means to render said means effective to pull the upper, said upper-gripping means and member being mounted for movement with the last and upper in a fixed path after the upper-pulling operation to present the work in a position more convenient for an operator to remove it.

1,737,013. BRAKE SHOE. LUDGER E. LA BRIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1927. Serial No. 168,044. 4 Claims. (Cl. 188—250.)



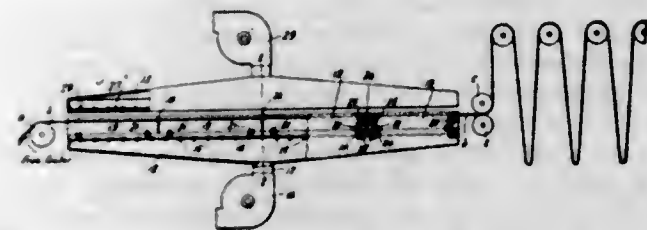
2. A brake shoe having a substantially-imperforate generally-arcuate outer band, and a flat radial stiffening web member having along its outer edge a series of spaced radial projections spot-welded to the inner face of said band.

1,737,014. DREDGING CAN. STANLEY H. LINDGREN, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 1, 1924. Serial No. 710,235. 9 Claims. (Cl. 221—62.)



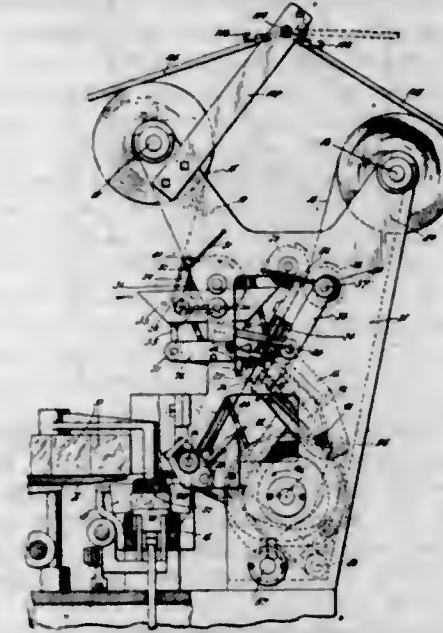
1. A sifter top for containers, comprising spaced apart top members, the outer one of which is provided with sifter openings, a perforated slide interposed between said members and engaging and guided by the sides of one of said top members, and a wire spring carried by said slide at the rear end thereof and having its ends bent forwardly to provide an elbow adapted to contact with the peripheral edge of one of said top members when the slide is pushed inwardly, said spring being adapted to hold said slide normally in projected position with the perforations therein out of registration with the perforations in said top member and permitting retraction of the slide under pressure to bring said perforations into registration.

1,737,015. MACHINE FOR DRYING COATED WEBS. CARLE J. MERRILL, Portland, Me. Filed Apr. 30, 1928. Serial No. 273,827. 6 Claims. (Cl. 34—48.)



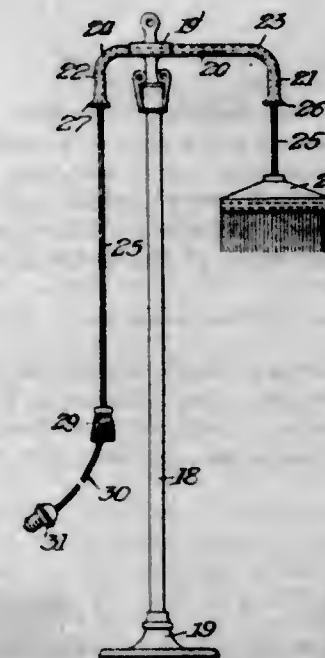
1. A coated paper drying machine, formed to be interposed between spaced apart web-guiding devices adapted to guide a coated portion of a web in a horizontal path, said machine comprising an oblong air chamber having a substantially horizontal upwardly facing top provided with a group of air outlets, adapted to discharge jets of heated air upwardly, means for forcing air under pressure into the chamber, and air-deflecting curbs extending lengthwise of the chamber at opposite edges of the group of outlets, projecting upwardly from the top of the chamber and spaced outward from the opposite longitudinal edges of the horizontally guided web portion to permit the upward and outward escape of air across said edges, and cause the escaping air to raise said edges, the arrangement being such that the web is supported in contact with the top and curbs by air delivered by the outlets and upwardly deflected by the curbs.

1,737,016. PAPER-FEEDING MECHANISM FOR WRAPPING MACHINES. MICHAEL J. MILMOE, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1924. Serial No. 746,987. 14 Claims. (Cl. 98—2.)



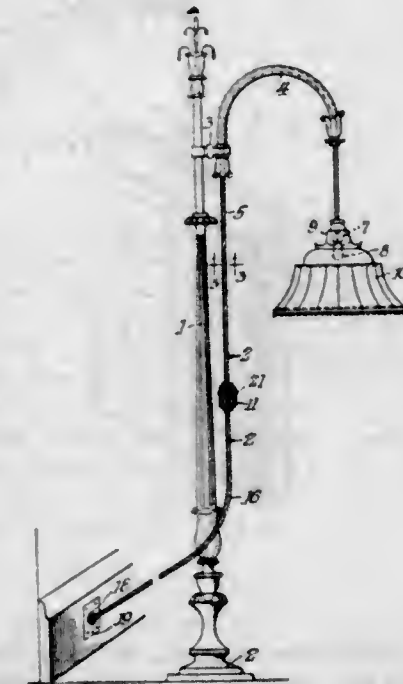
1. The method of preparing wrappers comprising the steps of subjecting a continuous web of wrapping material to moisture, conducting said web into position adjacent a second dry web and severing said webs into sections to provide a double wrapper, one side of which is moist and the webs of which are separate and unattached.

1,737,017. LIGHTING FIXTURE. THEODORE J. NELSON and EUGENE H. JOSEPH, Chicago, Ill., assignors to Colonial Lamp & Fixture Works, Inc., Chicago, Ill., a Corporation of Illinois. Filed July 23, 1925. Serial No. 45,611. Renewed Mar. 9, 1929. 3 Claims. (Cl. 240—51.)



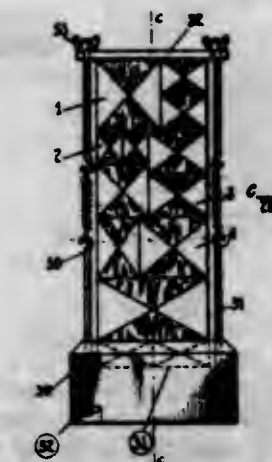
1. In an electric lighting fixture, the combination of a flexible conductor having a weight on one end and a lighting attachment on the other, of a standard, a hollow support on the standard through which the flexible conductor is trained and having cross-sectional dimensions approximating those of the conductor to resist to a degree movement of the conductor through the support, said support being bent to increase the frictional engagement of the conductor with the support, and positioned with respect to the standard to dispose the lighting attachment at a greater lateral distance from the standard than the weighted end thereof thereby to increase the stability of the fixture with respect to a base.

1,737,018. LIGHTING FIXTURE. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 12, 1927. Serial No. 183,075. Renewed Mar. 9, 1929. 9 Claims. (Cl. 240—81.)



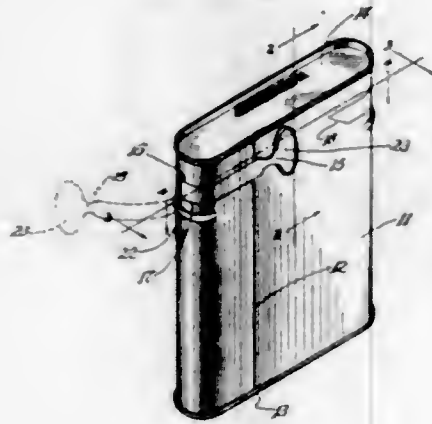
1. An electric fixture comprising a support, a guide on the support, a flexible hanger carried by and movable endwise on the guide with its end portions depending therefrom, an electric fixture on one end of the hanger, a chambered counterweight on the other end of the hanger, and an electric conductor extending through the hanger with one end in co-operative relation with the electric fixture and its opposite end within the chamber of the counterweight, said counterweight having an entrance opening leading into the chamber to give access to the end of the electric conductor within said chamber.

1,737,019. COMPOSITE PIEZO-ELECTRIC TORSION DEVICE. ALEXANDER McLEAN NICOLSON, New York, N. Y., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 20, 1926. Serial No. 155,899. 13 Claims. (Cl. 171—827.)



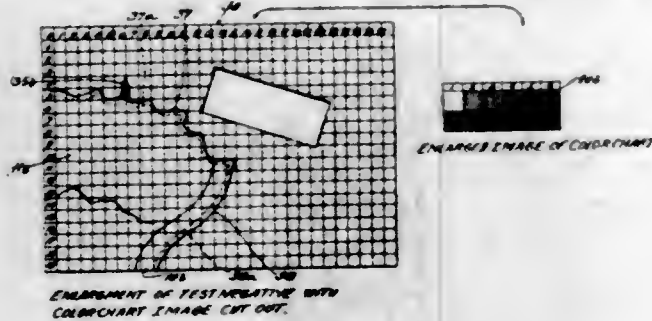
1. A composite Rochelle salt piezo-electric crystal adapted for torsional vibration comprising a multiplicity of component Rochelle salt piezo-electric crystals chemically and optically similar of heterogeneous size and shape secured together with their c-axes parallel by a physically continuous body, said crystals being so connected that piezo-electric torsional vibration of said individual components may be integrated.

1,737,020. TEAR-OPEN TOBACCO CAN. JOHN F. PETERS, Rochester, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed June 23, 1922. Serial No. 570,399. 6 Claims. (Cl. 220—54.)



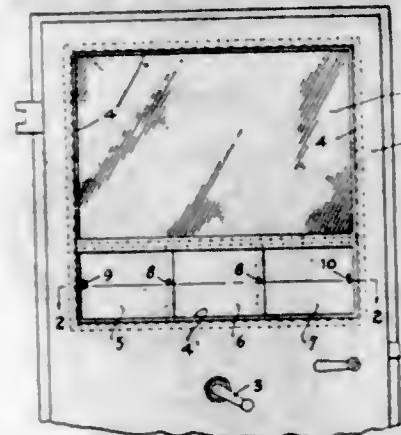
1. A sheet metal can adapted for the packaging of tobacco and the like, comprising a body having a top secured thereto and being provided beneath said top with parallel score lines setting off a tearing strip extending partially around said body, the material between the ends of said score lines forming a hinge part, and a continuous and endless sheet metal internal auxiliary wall part secured to the body beneath said score lines and extending thereabove, said part serving as a friction base for the flange of the hinge cover provided by removal of said tearing strip.

1,737,021. METHOD OF MAKING COMPOSITE PICTURES. GORDON B. POLLOCK, Los Angeles, Calif. Filed Nov. 23, 1926. Serial No. 150,211. 10 Claims. (Cl. 88—16.)



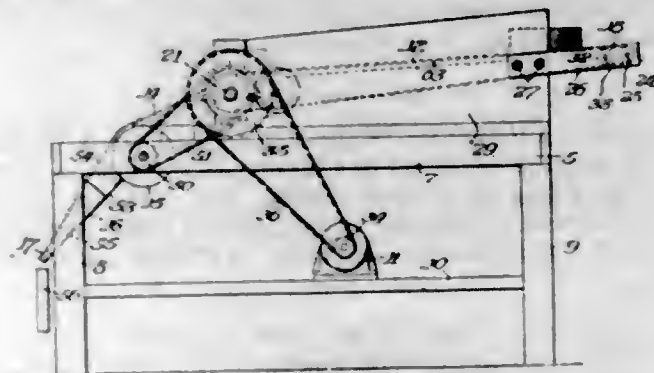
1. The method of producing a composite photograph, that includes first producing by partial exposure two duplicate undeveloped negatives carrying on exposed portions duplicate latent images of a scene desired as a component of the finished composite photograph, a part of each negative being unexposed, exposing one of said negatives to registration lines and developing, preparing an additive scene, by reference to the showing of the registration lines on the developed negative, to match with the unexposed part on the other undeveloped negative, exposing said last mentioned negative in its previously unexposed part to said additive scene, and developing the last mentioned negative.

1,737,022. ARM SIGNALING PANEL. HARRISON M. RASLER, San Francisco, Calif. Filed Mar. 7, 1928. Serial No. 259,699. 3 Claims. (Cl. 296—44.)



1. In an automobile door provided with a window opening, a plurality of overlapping panels slidably mounted at the lower part of said opening to afford an arm signaling aperture, said panels comprising metal sheets and a snap lug on one sheet engageable with a pocket on the overlapping sheet whereby the minimum overlap is determined.

1,737,023. COUNTING AND GROUPING MACHINE. JOHN SHEPPARD REAVES, Philadelphia, Pa. Filed Mar. 29, 1924. Serial No. 703,003. 9 Claims. (Cl. 226—14.)



1. In a device of the character described, in combination, means for delivering a plurality of streams of articles abreast, means for selecting one article from each stream for simultaneous group delivery thereof, and an inclined plane for receiving said articles for transposing and delivering them in succession of the order of arrangement of the streams.

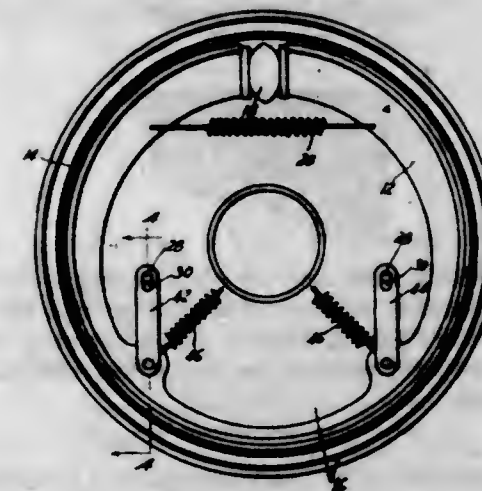
1,737,024. ELECTRICAL CODE TRANSMITTER. WILLIAM C. ROE, Pittsburgh, Pa., assignor to Printel Manufacturing Corporation, a Corporation of New York. Filed Sept. 11, 1926. Serial No. 134,884. 12 Claims. (Cl. 173—53.)



1. In an electrical impulse sending mechanism, the combination with a set of electrical contacts, of a plurality

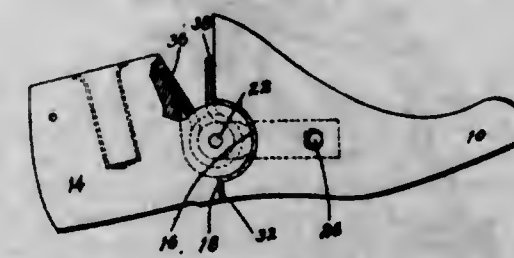
of means for operating said contact set, said means comprising a rod, a plurality of lever arms extending laterally from the rod and secured thereto, a rotatable shaft disposed parallel with the rod, a plurality of impulse wheels on the shaft, a clutch for each impulse wheel, said clutch comprising a clutch element keyed to the shaft and rotatable therewith, a second clutch element adapted to cooperate with the first clutch element to effect driving engagement between the shaft and its associated impulse wheel, a key for each set of clutch elements adapted to initiate the clutching operation thereof, and means responsive independently of the continued operation of said key adapted upon a predetermined rotative movement of an impulse wheel to disable its associated clutch, one of said lever arms extending from the rod to the said contact set to communicate operative movements thereto, the other said lever arms each extending to one of the said impulse wheels and having a portion contacting therewith to receive rocking movements therefrom as the wheel is rotated responsive to operation of its associated clutch, rocking movements imparted to any of said lever arms imparting similar rocking movements to said first lever arm to operate the contact set.

1,737,025. BRAKE. ROY S. SANFORD, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 1, 1925. Serial No. 47,452. 5 Claims. (Cl. 188—78.)



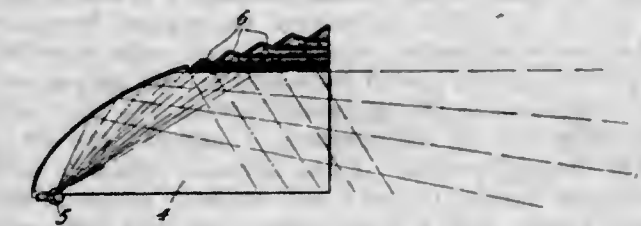
1. A brake comprising, in combination, a drum, a brake band within the drum extending substantially the entire circumference and tapered to be of progressively varying flexibility, and a pair of devices between the ends of the band for taking the braking torque, both being arranged to engage the flexible part of the band, one being effective when the drum is turning in one direction and the other being effective when the drum is turning in the other direction.

1,737,026. LAST. GEORGE G. SCHULTZ, Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Mar. 5, 1927. Serial No. 173,060. 6 Claims. (Cl. 12—136.)



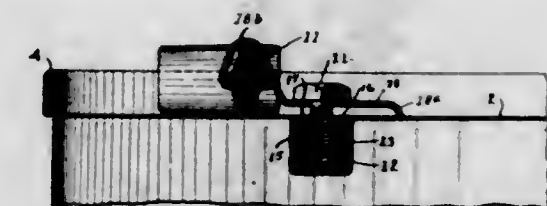
1. A last comprising a pair of movably connected last parts, a coiled spring for holding the last parts in an expanded condition, and means for preserving the shape of the spring coils to prevent cramping of the spring.

1,737,027. HEADLIGHT. WILLIAM H. SCHOONMAKER, Montclair, N. J. Filed Dec. 13, 1924. Serial No. 755,596. Renewed Jan. 18, 1928. 2 Claims. (Cl. 240—41.)



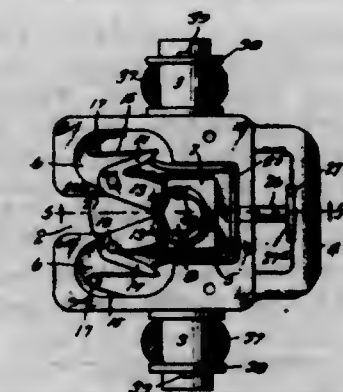
1. A headlight having the form of the upper half of a parabolic reflector that has been divided along a horizontal plane passing substantially through what would be the focal point of the complete reflector, a light located at the focal point, and a reflector below the light for reflecting the rays therefrom against the reflecting surfaces of the main reflector, the main reflector being provided in its forward upper portion with a segment of stepped reflecting surfaces, extending transversely but distinctly short of the lower edges of the main reflector, for reflecting rays from the light sharply downward.

1,737,028. ATTACHING MEANS. ANTHONY SCHROEDER, Cleveland, Ohio; Albert Y. Beckwith, administrator of said Anthony Schroeder, deceased, assignor of one-half to James Merle Finney, Cleveland, Ohio. Filed Feb. 1, 1924. Serial No. 690,091. 5 Claims. (Cl. 220—85.)



1. The combination with a metallic container having a flat head, of a holder for a tool adapted to lie flat upon the head, and formed with an intermediate body section, consisting of a plate of resilient material formed at one end with a hook adapted to overlie the said intermediate section of the tool and engage with the same on opposite sides thereof, a screw bolt passing through the plate by which the latter may be adjusted and held, and a screw-threaded seat for the bolt secured to the head of the container.

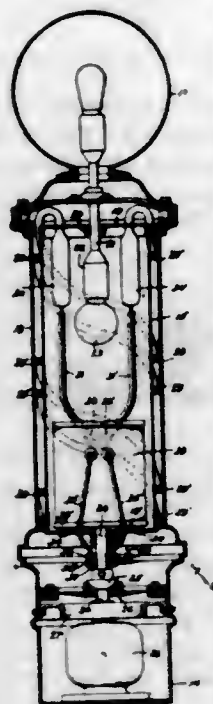
1,737,029. SUCKER-ROD ELEVATOR. ERNEST J. SHAFER, Tulsa, Okla. Filed Jan. 14, 1927. Serial No. 161,221. 5 Claims. (Cl. 294—90.)



4. A sucker rod elevator comprising a body having a rod receiving slot in its front side and a handle on its rear side, the body having a cavity in its top surface surrounding the inner end of the slot, a pair of dogs pivotally

supported within said cavity on opposite sides of said slot and forwardly of the inner end thereof for closing the same, said dogs having laterally extending arms, springs housed within the cavity and engaging said arms for swinging the dogs to slot closing position, a U-shaped actuator within the cavity the ends of the opposed branches of which are in operative relation to said arms whereby when the actuator is moved forwardly it will swing said dogs in opposition to the aforesaid springs, the rear wall of the cavity having an aperture, a member extending from the central portion of the actuator through said aperture and having its rear end disposed adjacent the aforesaid handle, and a cover applied to said body and having a slot registering with the rod receiving slot of the body.

1,737,030. ELECTRIC-LIGHTING UNIT. ROBERT G. STEPHENS, Los Angeles, Calif. Filed Apr. 21, 1928. Serial No. 271,671. 7 Claims. (Cl. 40-126.)



1. An electric lighting unit for use in combination with a barber pole comprising: a spirally shaped tube of light transmitting material and containing rarefied gas; electrodes for said tube; and means for supplying electric current to said electrodes.

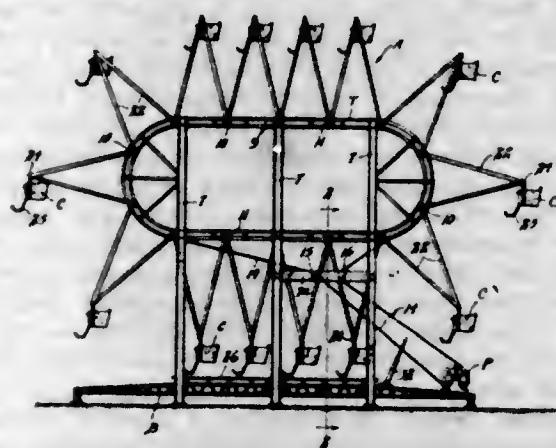
1,737,031. PHENOL-FORMALDEHYDE CONDENSATION PRODUCT AND METHOD OF MAKING SAME. GEORGE W. STRYKER, Los Angeles, Calif. Filed Oct. 1, 1927. Serial No. 223,488. 6 Claims. (Cl. 260-4.)

1. A condensate material formed of formaldehyde and phenol combined in the presence of a catalyzer and heated at a temperature ranging from not below 118 to not above 134 degrees F., such temperatures being effective for eliminating the aqueous elements, the heating being maintained for such a length of time as will insure the prevention of stratification.

1,737,032. AMUSEMENT RIDE. HERBERT W. SELLNER, Faribault, Minn. Filed Sept. 26, 1928. Serial No. 308,466. 10 Claims. (Cl. 104-77.)

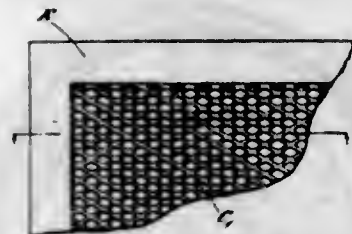
1. An amusement device comprising an endless course having a relatively sharp curve therein and lying in a substantially vertical plane, an arm projecting laterally

and outwardly from said course in substantially the plane thereof, a passenger car pivoted to the outer portion of said arm on a substantially horizontal axis and means



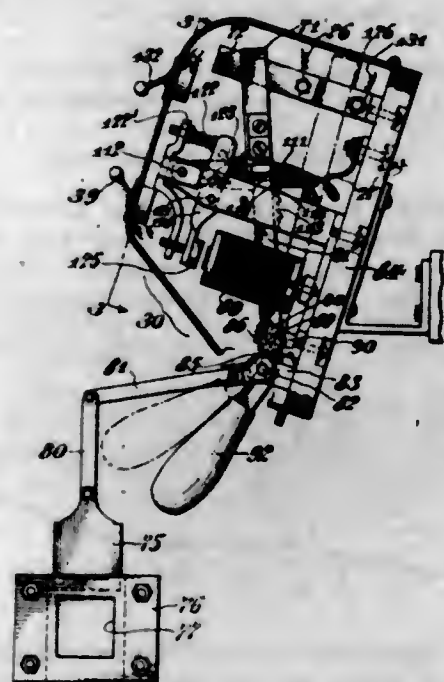
for moving said arm about said course whereby the speed of said car will be accelerated as said arm is moved about said curve in said course.

1,737,033. COATED ARTICLE AND PROCESS OF MAKING SAME. BENJAMIN TALBOT, North Allerton, England, assignor to Talbot Noncorrosive Linings Company, Philadelphia, Pa., a Corporation of Delaware. Filed May 15, 1925. Serial No. 30,807. 13 Claims. (Cl. 29-162.)



1. A manufacture of iron or steel having a keyed surface portion backed by an undistorted portion and plane surface portions forming a joint, and a covering keyed to said first named surface portion and filling the spaces between the keys.

1,737,034. MEANS FOR AUTOMATICALLY CONTROLLING THE OPERATION OF MOVING-PICTURE MACHINES AND FOR OPERATING A FIRE-CONTROL SHUTTER. JOSEPH TAVANI, Philadelphia, Pa. Filed Aug. 5, 1927. Serial No. 210,856. 7 Claims. (Cl. 88-17.)



2. Means for controlling the operation of a moving picture machine, comprising, in combination, a plurality of

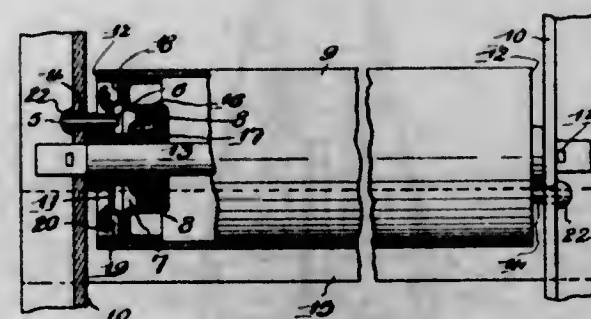
sets of devices for feeding a film through said machine, a plurality of switches one of which is located in operative relation to one of said sets of devices and the other one of which is located in operative relation to the other of said sets of devices, movable means normally out of contact with said film located in adjoining relation to the said sets of devices and having connection with the said switches and adapted to be moved to effect closing of said switches upon breakage or displacement of a film, a plurality of circuits including said switches, a motor circuit, a switch for opening and closing the same, means within the said circuits adapted to be energized upon the closing of either thereof to open the switch in the said motor circuit, a fire control shutter and a shaft for actuating the same, a gear secured to said shaft, and a second gear connected to the blade of said motor circuit switch and meshing with said first named gear whereby movement of the switch blade causes the fire shutter to be actuated.

1,737,035. LIFT MECHANISM FOR AIRCRAFT. GEORGE P. WAGNER, New York, N. Y., assignor, by mesne assignments, to Air Line Transportation Company, Philadelphia, Pa., a Corporation of Delaware. Filed Aug. 28, 1928. Serial No. 302,576. 11 Claims. (Cl. 244-18.)



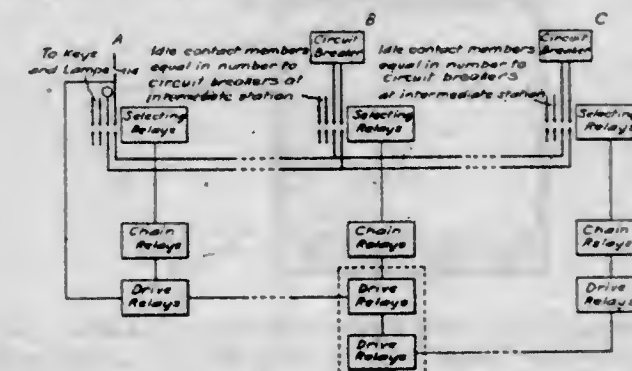
1. In combination, a body having air nozzles, means for forcing air to the nozzles and means for rapidly interrupting the admission of air to the nozzles; the reaction of the air currents upon the walls of the nozzles moving the vehicle.

1,737,036. LUBRICATING MEANS FOR CONVEYER ROLLERS. PETER C. WAGO, St. Paul, Minn., assignor to Standard Conveyor Company, St. Paul, Minn., a Corporation of Minnesota. Filed June 9, 1928. Serial No. 284,071. 5 Claims. (Cl. 308-20.)



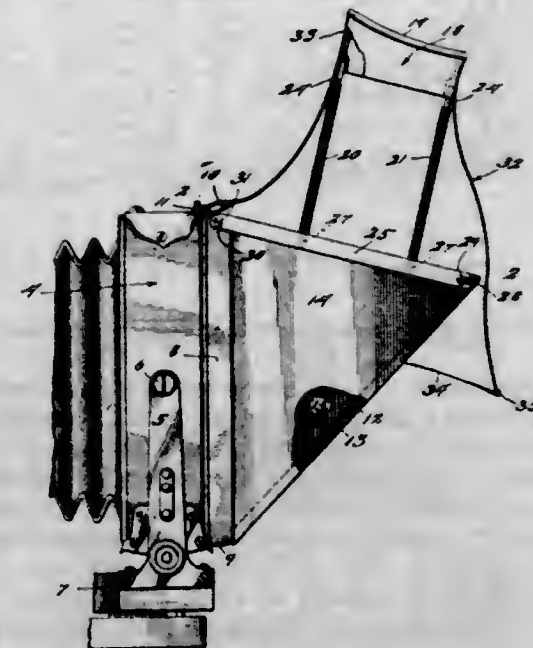
1. The combination with a pair of side rails and a roller body mounted between the inner faces of said rails with its ends adjacent thereto, said body having recesses for bearings in its ends, bearings located within said recesses, an axial support projecting into said body from said rails, bearing closure caps extending radially outward from said support within said recesses and a lubricant conduit fixed in each of said rails and extending through perforations in said caps to deliver lubricant to said bearings, said conduits having inlet openings accessible from the outer faces of said rails.

1,737,037. SUPERVISORY CONTROL SYSTEM. THOMAS U. WHITE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 12, 1926. Serial No. 94,185. 6 Claims. (Cl. 177-353.)



2. In a supervisory control system, the combination of three or more stations, relay-chain distributors at said stations, impulse means for maintaining said distributors in synchronism and means whereby all said distributors control said impulse means.

1,737,038. HOOD FOR CAMERA FINDERS AND THE LIKE. DONALD C. BEIDLER and ANTONIUS J. VIKEN, Chicago, Ill., assignors to Donald C. Beidler, trustee, and his successors in trust. Original application filed May 13, 1927, Serial No. 191,124. Divided and this application filed July 23, 1928. Serial No. 294,718. 4 Claims. (Cl. 95-47.)

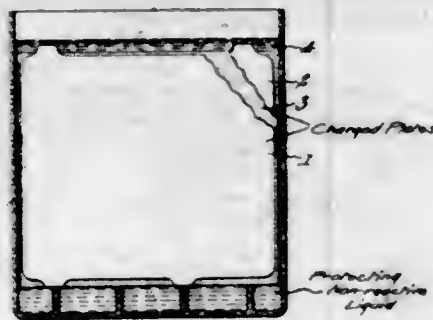


1. The combination with the rear portion of a camera including the translucent image surface thereof, of a reflector reaching upwardly and outwardly from said camera at an angle of substantially 45° with respect to said image surface, enclosures at both sides of said reflecting surface, and a shield around the upper portion of said reflecting surface and comprising a face mask, a plurality of parallel spiral springs extending upwardly from the structure and supporting said face mask while permitting sidewise movements thereof, and a suitable opaque hood reaching downwardly from said face mask and enclosing the upper portion of the device, substantially as described.

1,737,039. PRESERVICE PROTECTION OF STORAGE-BATTERY ELECTRODES. RAYMOND C. BENNER, Bay-side, and LEROY C. WERKING, New York, N. Y., assignors, by mesne assignments, to Prest-O-Lite Storage Battery Corporation, a Corporation of Indiana. Filed Dec. 31, 1923, Serial No. 683,755. Renewed July 9, 1928. 7 Claims. (Cl. 136-6.)

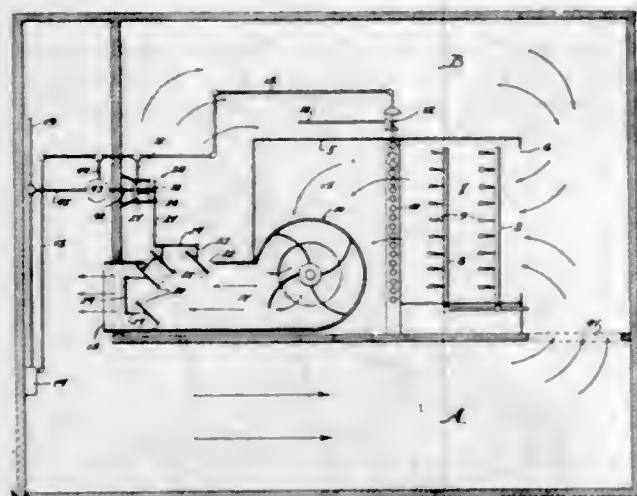
1. Process of preparing storage battery electrodes for deferred use, comprising electrolytically charging the elec-

trodes in a sulfuric acid solution, freeing the charged electrodes from at least the greater portion of the solution, and covering the active surfaces of the charged electrodes with



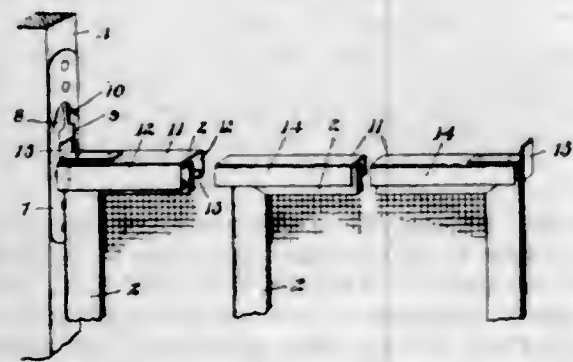
a protecting liquid, said liquid including an additive comprising another liquid that is substantially non-reactive toward the electrode material.

1,737,040. AIR-CONDITIONING SYSTEM. CLAUDE A. BULKELEY and LACHLAN W. CHILD, Buffalo, N. Y., assignors to Niagara Blower Company, Buffalo, N. Y., a Corporation of New York. Filed Nov. 23, 1927. Serial No. 235,291. 14 Claims. (Cl. 236-1.)



1. An apparatus of the character described including a housing having an inlet and an outlet, refrigerating means arranged in said housing, means for forcing the air in the room to be conditioned through said housing, air by-pass means conducting air from said outlet to said inlet, a closure for said by-pass, and means responsive to the temperature in said room for opening and closing said by-pass closure thereby to effect a regulation of the amount of refrigerated air discharged into the room.

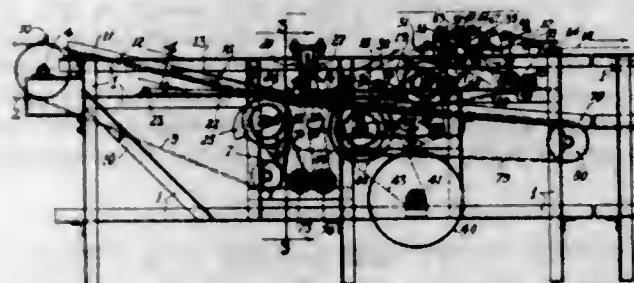
1,737,041. WINDOW-SCREEN ATTACHMENT. GILBERT CHARLES BURROWS, Toronto, Ontario, Canada. Filed Dec. 12, 1927. Serial No. 239,501. 4 Claims. (Cl. 156-38.)



2. A window screen attachment, comprising an extensible member having lug extensions at the ends of a lesser width than the extensible member, and plate

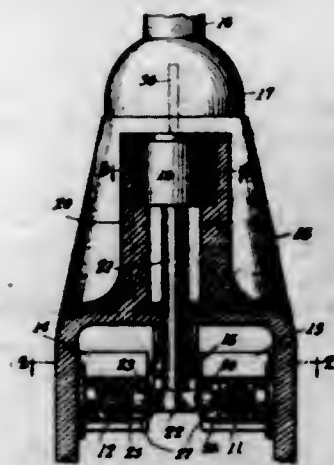
members adapted to be permanently secured to the window frame and having a raised central portion formed with an opening therein adapted to receive the end lugs of the extensible member, the edges of the opening being adapted to interlock with said end lugs.

1,737,042. APPARATUS FOR ARRANGING ARTICLES FOR STACKING. ARTHUR E. BURCHAELL, San Francisco, Calif. Filed Feb. 20, 1926. Serial No. 89,543. 1 Claim. (Cl. 107-45.)



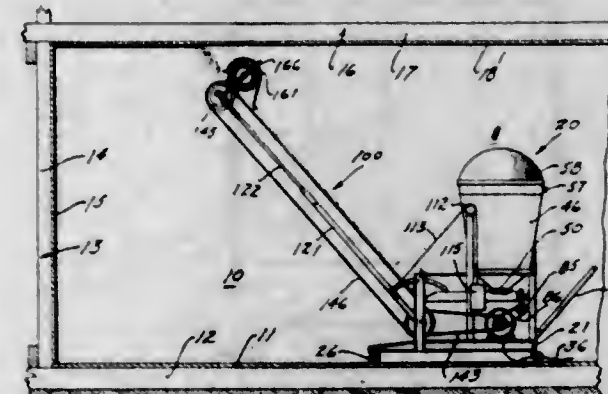
A cake or biscuit stacking apparatus comprising an endless belt for receiving articles to be stacked, a second endless belt travelling at a speed higher than the first belt for receiving the articles discharging from the first belt, article aligning pins projecting downwardly in parallel relation into proximity to the surface of the second belt whereby the articles conveyed thereby are caused to travel therebetween and are thereby formed in parallel rows, means projecting between the pins for acting on the rows of articles as formed to preclude the articles from riding one on another, a third endless belt travelling at a speed less than that of the second belt for receiving articles discharged from the second belt in aligned rows with the articles of the respective rows in close relation, an endless stacking belt travelling at a speed less than that of the third belt with its receiving end slightly lower than the discharge end of the third belt for receiving articles from said third belt, and springs overlying the respective rows of articles and projecting beyond the discharge end of the third belt, whereby the articles discharge therefrom onto the stacking belt in a substantially horizontal position.

1,737,043. MOTOR-VEHICLE LOCK. DAVID CONLAN, Brooklyn, N. Y. Filed Mar. 21, 1928. Serial No. 263,565. 8 Claims. (Cl. 70-126.)



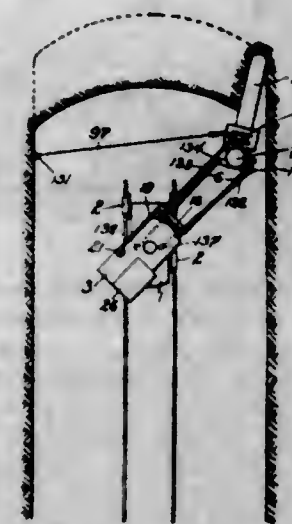
5. In combination with a variable speed transmission having reverse and three forward speeds and including a gear shifter for reverse and first speed, a gear shifter for second and third speeds and a shift lever for selective actuation of said gear shifters and locking means having one unlocking and two locking positions, one locking position in which the second and high speed gearing is locked while the reverse and first speed gearing is free for use and a second locking position in which the reverse and all forward speeds are locked.

1,737,044. PLASTERING MACHINE. HUGH A. CONLEY, Los Angeles, Calif., assignor of forty-nine per cent to Conley Plastering Machine Co. Incorporated, Bisbee, Ariz., a Corporation of Arizona. Filed Oct. 30, 1926. Serial No. 145,332. 9 Claims. (Cl. 72-130.)



7. In an apparatus of the class described, the combination of: a rotatable brush; adjustable means upon which said brush is rotatably mounted and by which it may be maneuvered; means for holding the adjustable means in adjusted position; and means for supplying material to said brush at a relatively central point therein, the rotation of said brush causing said material to pass outwardly through said brush and be flung therefrom in a given direction.

1,737,045. MINING MACHINE. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1921, Serial No. 444,767. Renewed Apr. 20, 1929. 23 Claims. (Cl. 262-28.)



1. A mining machine comprising a supporting frame, a cutting element movable on the mine floor independently of said supporting frame, and three different forms of connection between said cutting element and the supporting frame, one being a supporting connection, permitting pivotal movement of said cutting element, one being a driving connection, and one being a controlling connection for controlling the angular position of the cutting element relative to the supporting connection.

1,737,046. CLAMPING TOOL. WILBERT D. HENDERSON, San Francisco, Calif. Filed Aug. 22, 1928. Serial No. 301,363. 3 Claims. (Cl. 81-15.)

2. A clamping tool of the character described comprising the combination with two jaws each having two straight working faces arranged at right angles to each other, two of said working faces of said respective jaws being in parallel spaced relation and the remaining two

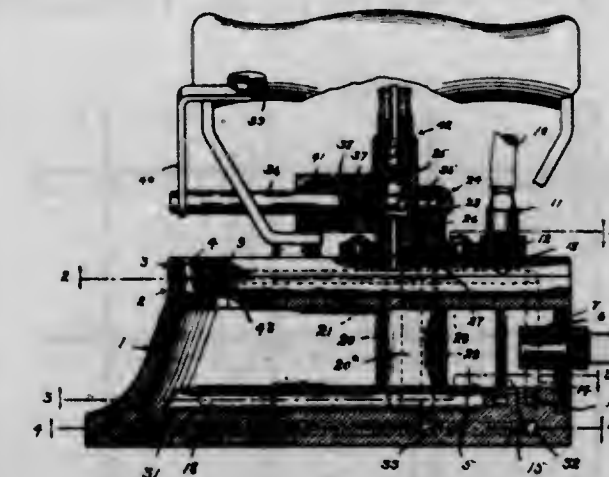
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faces in the same plane, of rectangular grooves arranged in a common plane in said working faces, the width of said grooves being slightly less than the diameter of the body of an open clamp to be applied by said tool, whereby



said clamp may be gripped by said rectangular grooves to prevent slipping; and transversely arranged teeth cut across the parallel working faces to provide serrated edges on said groove to engage the body of said clamp to prevent slipping of the same within said grooves.

1,737,047. PRESSING IMPLEMENT. LOUIS HOFFMAN, St. Paul, Minn., assignor to Steam Pressing Iron Company, Chicago, Ill., a Corporation of Delaware. Original application filed Nov. 20, 1922, Serial No. 602,085. Divided and this application filed May 7, 1928. Serial No. 275,850. 5 Claims. (Cl. 68-26.)

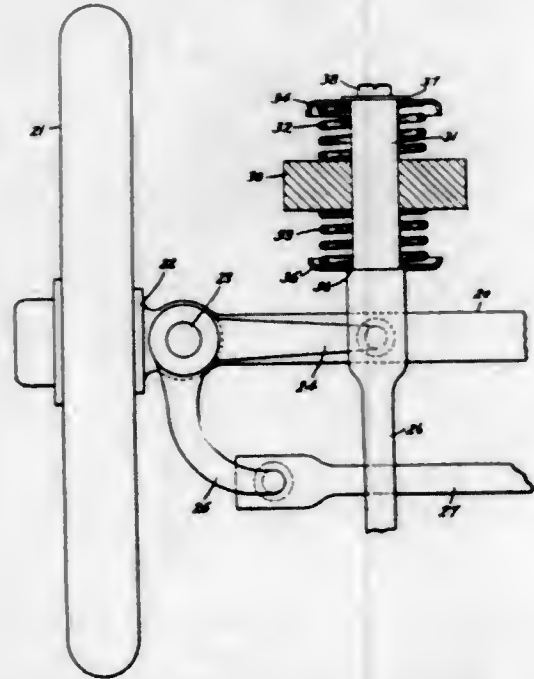


5. In a pressing implement of the moistening type, the combination of a hollow body, the base of which has a perforated pressing face, a heating device in said body, and means removably secured to said body and being formed with a steam generating duct adapted to receive a moistening fluid, said body having formed in its sides a superheating duct communicating with the generating duct, and the base with a duct communicating with the superheating duct for distributing steam to the perforations of the pressing face.

1,737,048. STEERING MECHANISM. JOHN H. HUNT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 13, 1925. Serial No. 15,378. 15 Claims. (Cl. 280-89.)

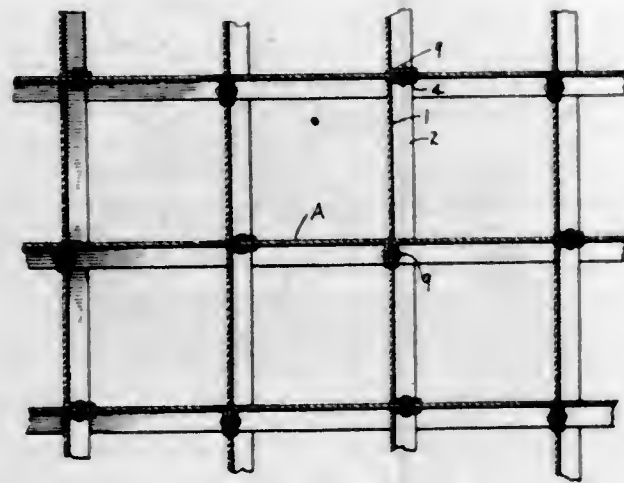
2. In a vehicle, the combination with a steering road wheel having a pivotally mounted steering axle, of means

of turning the axle to steer the vehicle, and means including two springs and a weight adapted to vibrate between the springs for counteracting the oscillatory vibrations of the wheel about its axle pivot.



10. In steering gear or control mechanism, a movable control member, an inertia member in the form of a piston, a dashpot cylinder supporting the piston on the control member, the said piston being provided with an orifice from one side to the other, and springs tending to centralize the piston.

1,737,049. TRUSSLESS SUPPORT FOR ROOFS AND THE LIKE. GEORGE L. KELLY, Houston, Tex. Filed Dec. 24, 1927. Serial No. 242,803. 7 Claims. (Cl. 108-1.)



7. A frame structure for buildings comprising a plurality of unit members each having end flanges and a web, said unit members being attached at right angles to the intermediate portion of the units transverse thereto, and means passing thru the end flanges of contiguous units and the web of a transverse unit to retain said units in position.

1,737,050. TOY ELECTRIC RANGE. REMUS KOENIG, Two Rivers, Wis., assignor to Metal Ware Corporation, Two Rivers, Wis. Filed Oct. 22, 1927. Serial No. 228,000. 3 Claims. (Cl. 126-275.)

1. A toy electric range having a box-like oven structure, an inner shell carried within this box-like structure and provided with separate walls for its top, bottom, sides

and back, said oven having a front plate provided with an aperture, a door closing said aperture, said front plate having inturned flanges upon which the shell is carried, said shell having outwardly struck fingers at its rear end engaging the rear outer wall of the oven, a bottom

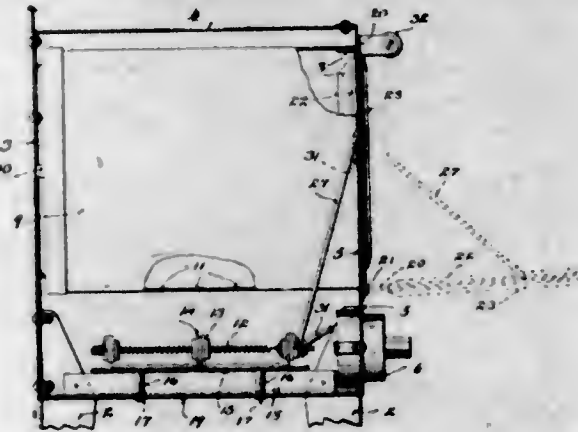
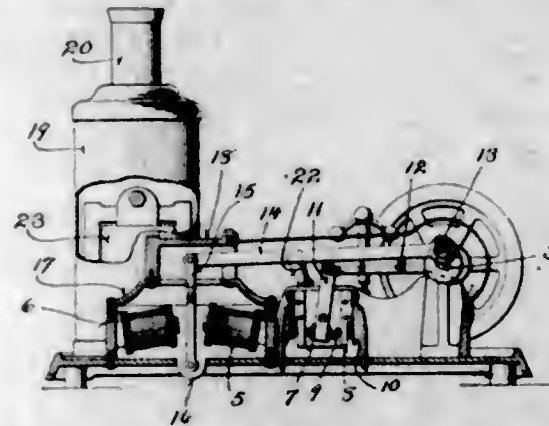


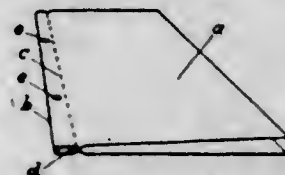
plate spaced downwardly from said shell, a shielding plate positioned between said shell and said bottom plate and electric element, and a support for holding said heating element spaced upwardly from said shielding plate and located below the bottom of said inner shell.

1,737,051. TOY ELECTRIC ENGINE. REMUS KOENIG, Two Rivers, Wis., assignor to Metal Ware Corporation, Two Rivers, Wis. Filed Aug. 9, 1928. Serial No. 298,480. 2 Claims. (Cl. 172-126.)



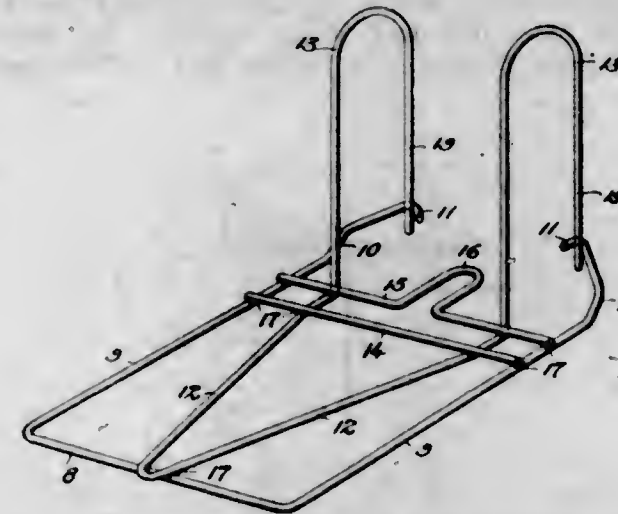
1. A toy electric engine comprising a base plate, an engine body, a shaft revolvably carried by said engine body, a flywheel carried by said shaft, a crank and eccentric carried by said shaft, an electromagnetic device having a movable armature connected by means of a link with said crank, contacts carried by said engine body and connected to said electromagnetic device, a rocking switch lever cooperating with said contacts, and means for rocking said switch lever from said eccentric, said engine body and the parts carried thereby forming a unit and said engine body being removably secured to said base.

1,737,052. SCRAPBOOK AND LEAF UNIT THEREFOR. FRED N. LANG, Los Angeles, Calif. Filed Nov. 1, 1928. Serial No. 143,476. 1 Claim. (Cl. 281-22.)



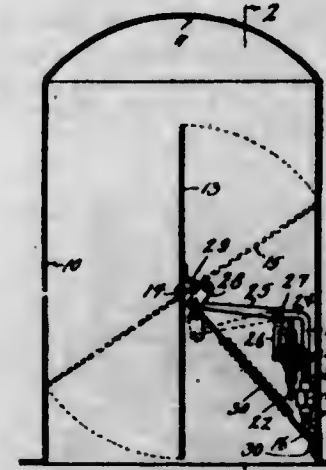
A twin leaf unit for scrap books adapted to be inserted in a loose leaf or permanent binder, said unit comprising a folded sheet forming two leaves and a binding margin, the leaves being hinged to each other by a line of stitching spaced from the fold and passing through both leaves, and a reinforcement for the binding margin extending from the fold to the line of stitching.

1,737,053. PAPER FILE. HARRY S. MCCracken, Chicago, Ill. Filed July 12, 1929. Serial No. 377,838. 8 Claims. (Cl. 129-23.)



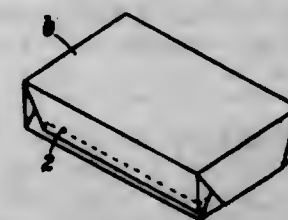
3. A file comprising a bent wire back frame having side bars terminating in hooks at their rear ends, and bent wire arches secured to said back frame, said arches being continuous and resilient and having free end engageable with said hooks by a spring action.

1,737,054. AUTOMATIC VENTILATOR. DUNCAN A. MCQUISTAN, Walthill, Nebr. Filed May 9, 1928. Serial No. 278,439. 7 Claims. (Cl. 236-49.)



1. In a ventilator of the type adapted to be installed on the roof of a housing structure or the like, a flue of limited height, a gate mounted in said flue for swinging movement, a bracket having an adjustable portion, a thermostatic device mounted on said portion to expand and contract transversely of the flue, a bell crank lever fulcrumed on said portion, having a short portion engaging said thermostatic device and a long portion extended to a position near the axis of the gate, and a link connecting the long portion with the gate, said link having a pivotal connection with both the lever and the gate.

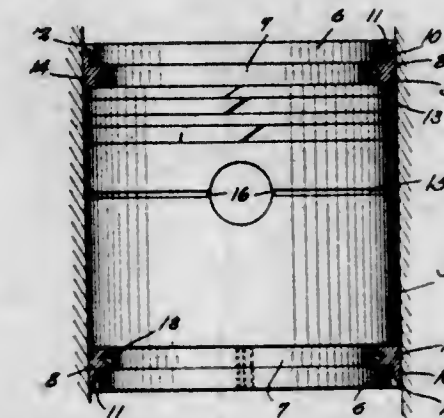
1,737,055. MOISTUREPROOF ENVELOPE OR WRAP-PEP. WALTER EVERETT MOLINS, Deptford, London, England. Filed Apr. 5, 1928. Serial No. 267,774, and in Great Britain Apr. 29, 1927. 3 Claims. (Cl. 229-87.)



1. A moisture-proof blank for completely encasing an article, said blank having portions designed to overlap

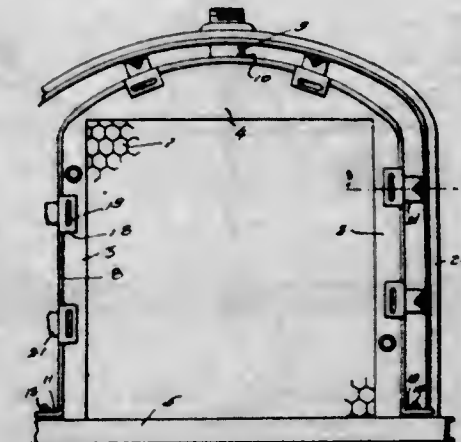
other portions of the blank when the latter is applied as a wrapper to an article, such blank having that portion only of the inner surface thereof which does not overlap the outer surface when finally applied coated with waterproofing material.

1,737,056. PISTON RING AND PISTON. FRANK MUELLER, Kaukaee, Ill. Filed Nov. 2, 1928. Serial No. 316,791. 2 Claims. (Cl. 74-109.)



1. A piston ring for use in connection with pistons having reduced end portions, said ring including a main portion and a flange extending from the main portion, said flange having an inclined inner surface defining a scraping edge, the inner surface of the main portion having a substantially V-shaped groove to catch oil and cushion the movements of the ring, and said ring having a groove formed in the outer surface thereof.

1,737,057. ANCHORAGE FOR AUTOMOBILE RADIATORS. WELLINGTON W. MUIR, Lockport, N. Y., assignor to Harrison Radiator Corporation, Lockport, N. Y. Filed Dec. 8, 1928. Serial No. 152,934. 11 Claims. (Cl. 180-68.)

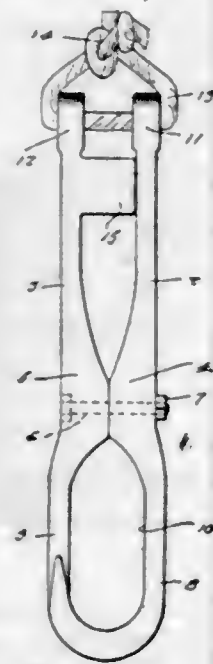


1. In an anchorage for automobile radiators and the like having a plurality of indentations and including an ornamental shell the combination of a removable clamping for securing said radiator to the frame of the automobile; extension associated therewith for securing said shell to said clamp; and other spring extensions associated with said clamp engaging said indentations to maintain the clamp in interlocking spring contact with said radiator.

1,737,058. HITCH. JOHN H. PIXLEY, Lansing, Mich., assignor of one-half to Albert Drall, Lansing, Mich. Filed May 7, 1928. Serial No. 275,623. 1 Claim. (Cl. 280-33.14.)

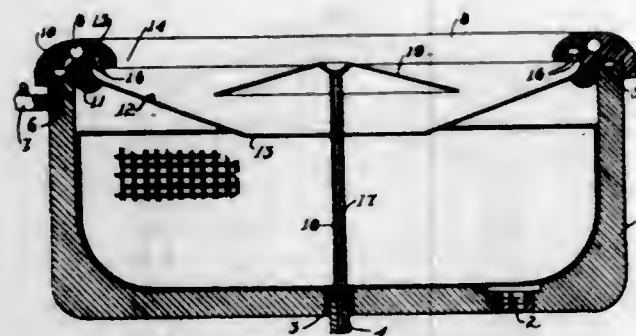
In a hitch for attachment at one end to a tow rope, a pair of spaced levers, enlargements formed on the inner opposed faces of the levers at the intermediate portions thereof, a pivot forming bolt extending transversely through the enlarged portions of the levers, oppositely disposed hooks formed on the pivoted ends of the levers,

the bills of the hooks being disposed in overlapping relation, apertured ears formed on the other ends of the levers through which one end of a tow rope is disposed, the hooks being maintained in a closed position when the tow rope is secured through the apertured ears, and a stop lug



formed on the inner face of one lever adjacent the opposite ear thereof for engagement with the inner face of the adjacent portion of the complementary lever, to limit the inward swinging movement of the levers toward each other.

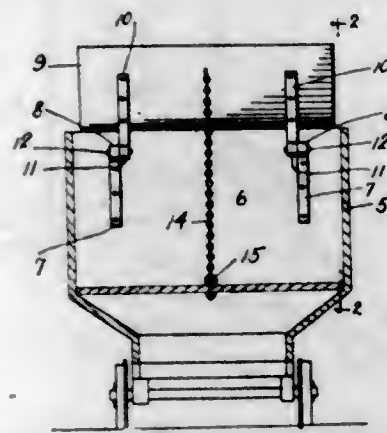
1,737,059. CUSPIDOR. LAUD E. RUF, San Jose, Calif. Filed Feb. 14, 1929. Serial No. 339,794. 2 Claims. (Cl. 4-262.)



1. A cuspidor comprising, a bowl having a groove formed in its upper edge having a water supply pipe communicating therewith, a rim disposed on the bowl to overlie the groove and having a conduit formed therein communicating with said groove and having a plurality of orifices formed therein communicating with the conduit and the interior of the rim, a dished member disposed to receive the water discharged through the orifices and having a central opening therein, a cone shaped member of greater diameter than said opening axially disposed in the bowl, and means for discharging a flow of water over the top surface of the cone shaped member.

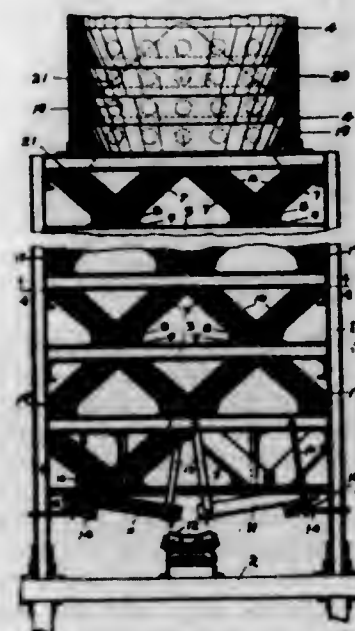
1,737,060. END GATE OR EXTENSION FOR MINE CARS. JOHN RUFFING, Sr., Nokomis, Ill. Filed Feb. 14, 1929. Serial No. 339,836. 1 Claim. (Cl. 105-379.)
In a mine car including an end wall, a pair of flat metallic straps fixed vertically to the inner surface of the wall adjacent its opposite ends and terminating at their upper ends below the upper side of the wall, inwardly turned hinge eyes on the upper end of the straps, a second pair of flat metallic straps extending at their lower ends into

the car, inwardly turned hinge eyes on one end of the second named straps in horizontal alignment with the eyes on the first named straps, pivot pins extending through the aligned eyes of the first and second named straps for pivotally connecting said straps together, the second named straps adapted to be swung in a vertical plane



into engagement with the inner surface of the end wall, a rectangular extension member mounted on the upper portion of the second named straps adjacent the upper end of the end wall and in the vertical plane thereof and a brace chain anchored at one end to the upper portion of the rectangular extension and at its opposite end to the floor of the car at a point spaced from the end wall.

1,737,061. CLINKER COOLER. ROBERT W. RYDER, San Francisco, Calif., assignor to Santa Cruz Portland Cement Company, San Francisco, Calif., a Corporation of California. Filed May 1, 1926. Serial No. 105,900. 4 Claims. (Cl. 222-5.)

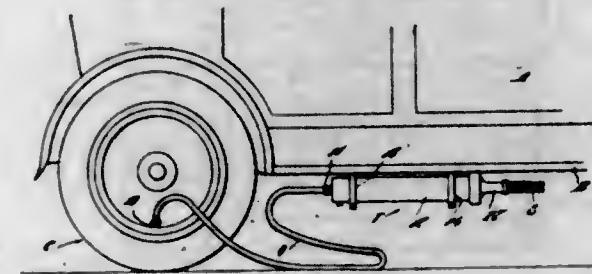


1. Apparatus for cooling hot clinker comprising a tower with a series of shelves in the tower structure one above the other arranged for the material to fall from shelf to shelf in descent through the tower, said shelves being formed of plates arranged in pairs in gable roof formation with the lower spread edges of each pair resting on the tower structure and upper edges of the plates in each pair resting freely one against the other.

1,737,062. PNEUMATIC TIRE PUMP. GRADY L. SHARP, Orange, Va. Filed Mar. 2, 1929. Serial No. 344,017. 2 Claims. (Cl. 230-50.)

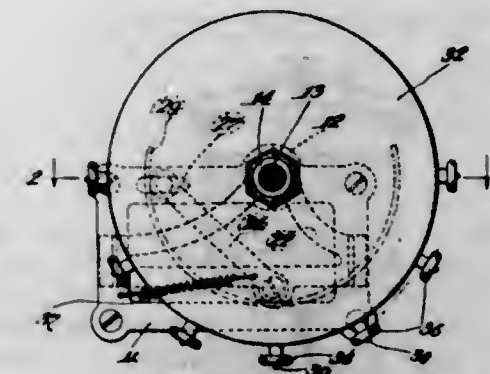
1. A pneumatic inflation pump comprising a cylinder having a valved air inlet and discharge for the air at one end, a piston mounted for sliding in said cylinder, said

piston including a head and a rod, said head being disposed intermediate the ends of the cylinder and dividing the cylinder into individual chambers, the chamber of the first mentioned end of the cylinder constituting an air compression and supply chamber, a return spring in said last named chamber cooperable with the head of the



piston for normally maintaining the piston in a predetermined position, pressure supply means connected to the opposite end of the cylinder and communicating with the remaining chamber, said last named chamber being provided with pressure relief ports, a valve for controlling said ports mounted for sliding motion in said cylinder, said piston rod having operating connection with said valve.

1,737,063. VARIABLE RADIO TUNING DEVICE. CHARLES SMITH, Chicago, Ill., assignor of one-half to William Casey, Chicago, Ill. Filed Aug. 20, 1927. Serial No. 214,295. 6 Claims. (Cl. 175-41.5.)

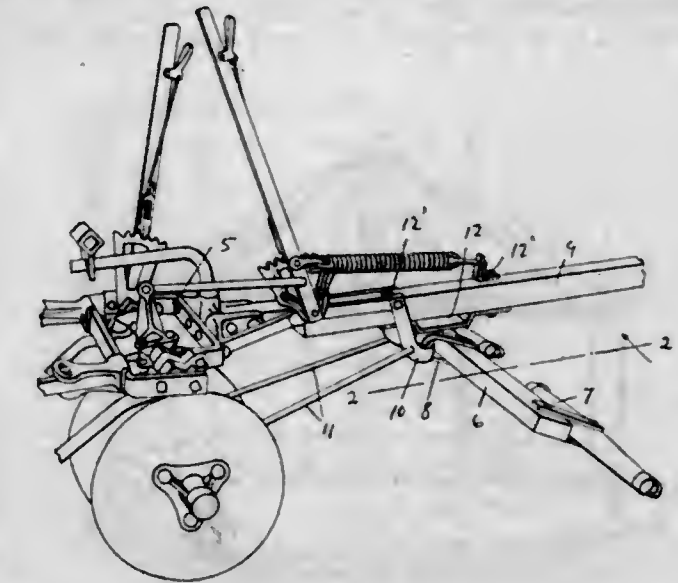


1. In mechanism of the class described consisting of a plurality of instrumentalities in co-operative relation and adapted to be adjusted from a single point of control, a main movable controlling element adapted to impart movement in equal degree to each of said instrumentalities, members comprised in each of said instrumentalities and connected with said main controlling element and adapted to be moved in equal degree by movements imparted therefrom, complementary elements co-operating with said movable elements and connections therefor, said connections comprising in each instance an individually adjustable cam track and a member co-operating therewith and adapted to impart independent compensatory movements to the complementary elements in an amount variably determined by the configuration of the cam track, substantially as described.

1,737,064. SHOCK ABSORBER AND BUMPER FOR THE TONGUES AND DOUBLETREE EQUALIZERS OF CULTIVATORS. HERMAN A. STEPHENS, Sterling, Colo. Filed July 30, 1928. Serial No. 296,218. 1 Claim. (Cl. 278-85.)

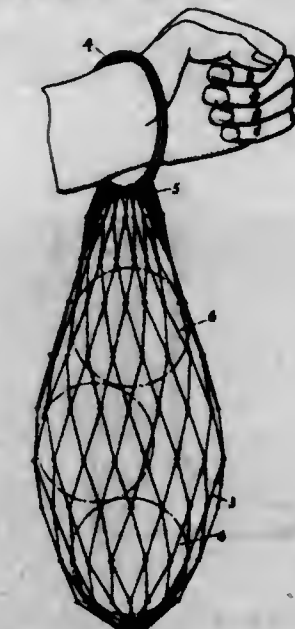
In a cultivator, the combination with a frame, wheels supporting said frame, a tongue rigidly connected to the frame, a clevis of U-shape disposed below and spaced from the tongue, a U-shaped clevis support interlocked with the bight of the clevis and swingably connected with and pendent from the tongue, pull rods interposed between

and connected to the wheel bearing portion of the cultivator and the said clevis support, and a double tree arranged below the tongue in spaced relation thereto and



disposed in and connected to the clevis; of a bar having an imperforate longitudinal portion spaced below the tongue and opposed to and engaged by the clevis and also having end portions arranged against and connected to the tongue.

1,737,065. BAG OR CARRIER. ARTHUR GALBRAITH THORNTON, Edinburgh, Scotland. Filed Nov. 26, 1927. Serial No. 235,935, and in Great Britain Mar. 5, 1927. 1 Claim. (Cl. 150-12.)

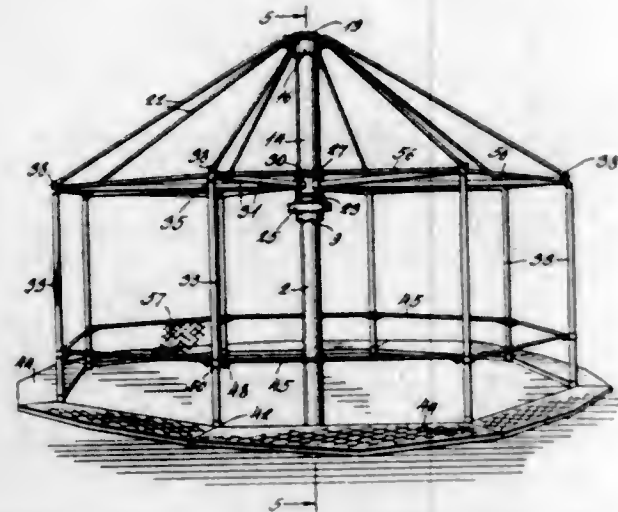


A bag or carrier comprising a ring and a receptacle constructed of netting, the meshes of the netting being looped over the ring to form the mouth of the receptacle, the loops or meshes at the mouth of the bag being such that any two adjacent loops can be spread apart to allow the ring to pass between them, whereby the mouth of the bag can be distended by distributing said loops around the ring, and the bag closed by assembling said loops together.

1,737,066. PLAYGROUND APPARATUS. RICHARD W. THORNTON, Denver, Colo. Filed June 18, 1928. Serial No. 286,106. 2 Claims. (Cl. 272-33.)

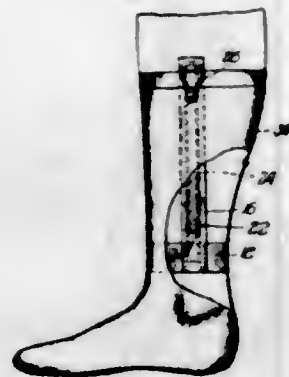
1. A playground device comprising a stationary vertical support, a tubular sleeve rotatably connected with and enclosing the upper end of the support, a thrust bearing between the upper end of the support and the upper end of the sleeve, means for maintaining the lower end of the sleeve concentric with the support, arms extending radially

from the lower end of the sleeve, the upper end of the sleeve having an outwardly extending downwardly inclined flange (19) provided with a plurality of openings for the reception of tension rods, tension rods having their upper end provided with hooks adapted to extend through the openings in the flange, the outer ends of the radial



arms having spaced lugs (38), the lower ends of the tension rods having connectors (39) secured thereto, said connectors having grooves adapted to receive the lugs (38), the outer ends of the radial arms having downwardly extending portions and platform sections extending between the downwardly extending portions and supported thereby.

1,737,067. GARTER. BENZION WOLF, Chicago, Ill. Filed Nov. 12, 1928. Serial No. 318,661. 1 Claim. (Cl. 241-6.)

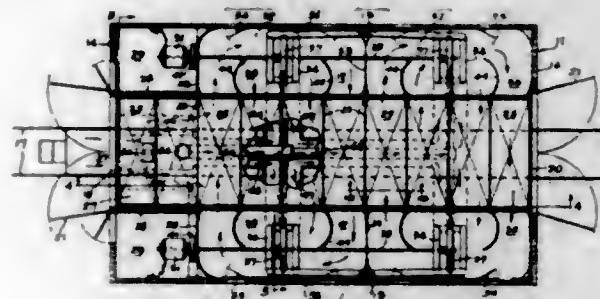


In a garment support of the class described, a flexible band adapted to be applied above and to rest upon the ankle of a wearer, a supporting member secured to and extending upwardly from said flexible band, said supporting member including an elongated fabric strip provided with an elongated pocket and reinforcing member removably inserted within said pocket for lending rigidity to said supporting means, and a garment fastening device secured to the upper extremity of said supporting means and depending therefrom in a position to receive the garment to be supported.

1,737,068. DEHYDRATOR APPARATUS. JOSHUA M. YOUNGER, Oakland, Calif. Filed Dec. 3, 1927. Serial No. 237,395. 3 Claims. (Cl. 34-46.)

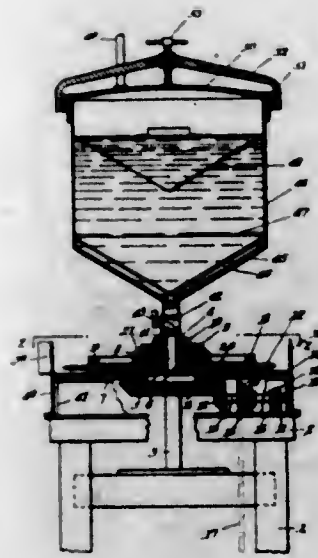
1. In a dehydrator structure, a drying chamber defined above a floor thereof and extending transversely across the structure, conveyor means for removably disposing material to be dried in said chamber medially between the sides thereof, means for effecting a reversible circulation of the air in said chamber through the said material and

entirely in the chamber, a fresh air conduit beneath said floor and arranged to discharge into said chamber through openings provided in said floor at opposite sides of the



chamber, and swinging louvers at said openings arranged to become automatically disposed to discharge generally in the direction of circulation of the air of the chamber thereover by reason of said circulation.

1,737,069. PASTRY-FILLING MACHINE. GEORGE G. BARBER, New York, N. Y., assignor to Continental Baking Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 15, 1926. Serial No. 155,040. 15 Claims. (Cl. 107-1.)

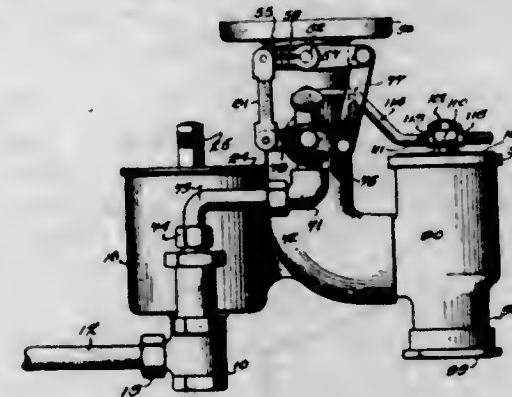


1. A pastry filling machine comprising a filling station, substantially horizontal conveying means to carry articles thereto including piercing points by which the articles are punctured and their weight solely supported and which serve to convey filling material to said articles.

1,737,070. CARBURETOR. ERNEST C. BEASLEY, Joplin, Mo. Filed Oct. 23, 1925. Serial No. 64,417. 6 Claims. (Cl. 261-49.)

1. A carburetor comprising an air pipe, a throttle arranged therein, an atomizer arranged in said pipe, a fuel passage communicating with said atomizer, a valve controlling passage of fuel through said passage, said passage being provided between said valve and said atomizer with a small opening communicating with the atmosphere, connections between said throttle and said valve whereby the latter is positively opened progressively as said throttle is opened, means for supplying air to said pipe, a valve controlling passage of air into said air supply means, con-

nections between said last named valve and said throttle whereby progressively increasing amounts of air are admitted to said air supply means as said throttle is opened.



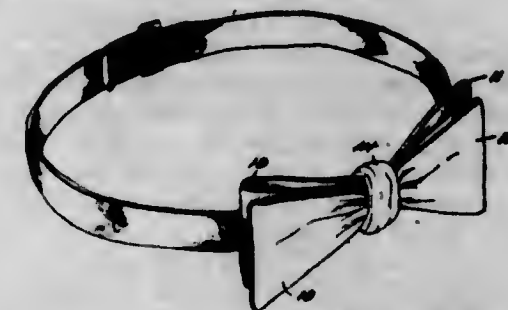
and an inwardly opening spring pressed valve controlling passage through said air supply means of the same air admitted through said last named valve.

1,737,071. PROCESS AND APPARATUS FOR STRIPPING THE KERNELS OF COFFEE BERRIES AND OTHER SIMILAR FRUITS. STEVEN BIRNIE, Djember, Java, Dutch East Indies, assignor to Fried. Krupp Grusonwerk A. G., Magdeburg, Buckau, Germany, a Corporation of Germany. Filed Feb. 4, 1928. Serial No. 251,975, and in the Netherlands Mar. 18, 1927. 9 Claims. (Cl. 83-30.)



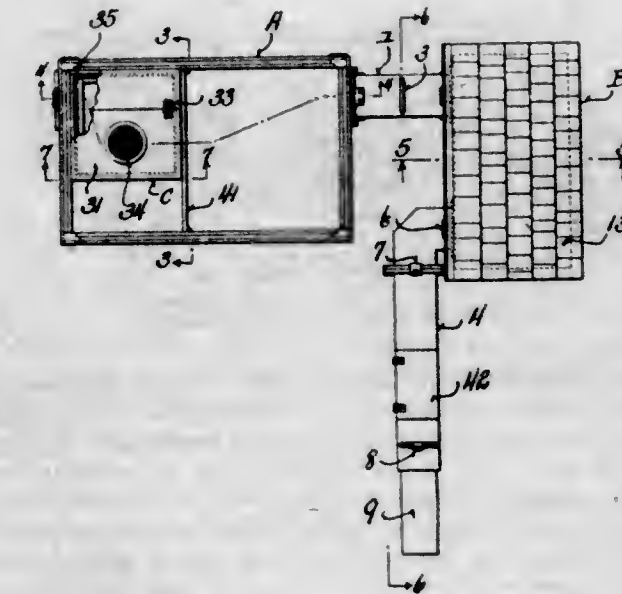
1. A process for removing pulp from the kernels of coffee berries and similar fleshy fruit comprising feeding the fruit longitudinally of a casing while subjecting it to the simultaneous action of pressure applied in different directions and a washing liquid whereby in passing through a single casing the fruit kernels are stripped of pulp, freed from mucilage and washed.

1,737,072. BOW NECKTIE AND METHOD OF FORMING THE SAME. HAROLD B. BLACH, Louisville, Ky. Filed June 2, 1928. Serial No. 282,350. 1 Claim. (Cl. 2-151.)



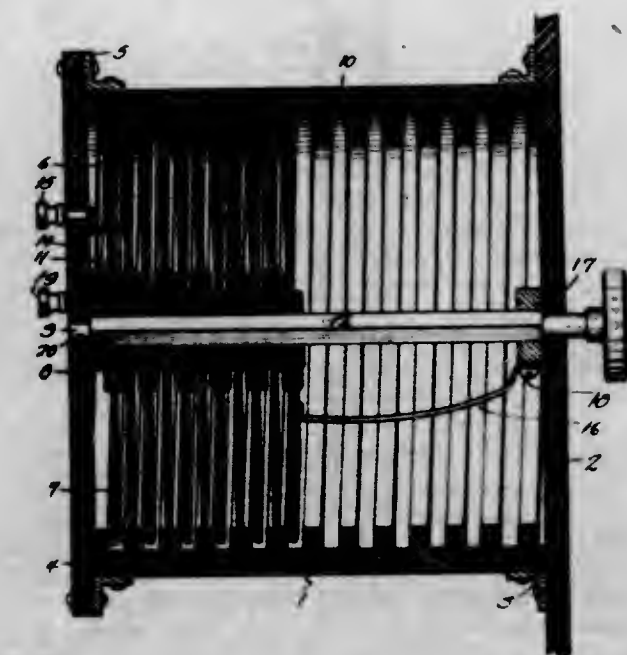
The process of forming a bow which comprises interengaging two end portions, forming a loop in one of the end portions, bringing the second end over and behind the said loop to partially form a knot, looping the second end forwardly and bringing the tip thereof through the partially formed knot to complete it and to a position between the folds of the first loop, and finally in twisting said second end about the front fold of said first loop, underlying the knot, whereby in the finished bow the ends will overlie the loops.

1,737,073. BREEDING KENNEL. HENRY BOLDT, Appleton, Wis. Filed Apr. 14, 1927. Serial No. 183,715. 4 Claims. (Cl. 119-16.)



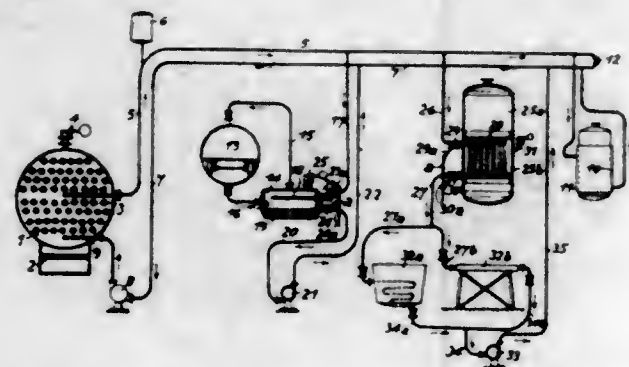
1. A breeding kennel comprising a multi-walled den, a removable nest box therefor and a transversely extending bar in the den for positioning said nest box and for keeping the animals from climbing upon the nest box.

1,737,074. RADIOCONDENSER. LUDWIG A. BRAND, Sioux City, Iowa. Filed Mar. 9, 1929. Serial No. 345,691. 7 Claims. (Cl. 175-41.5.)



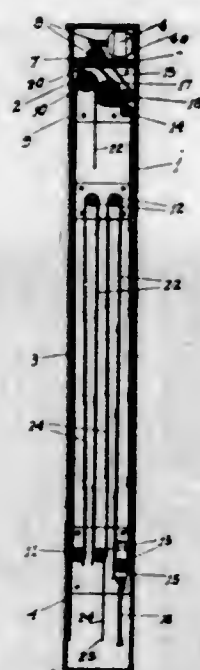
1. In a variable condenser, a cylindrical shell of insulating material, provided with internal helical grooves, a fixed plate of helical form, mounted with its outer edge embedded in the shell, a shaft of conducting material journaled at the axis of the shell, a variable plate of helical form mounted on the shaft and threaded into the helical groove of the shell, a brush against which the shaft contacts during its sliding and rotating movement, and an electrical connection between the shaft and the variable plate at the end of the latter remote from the fixed plate, the shaft being insulated from the variable plate during the remainder of its length.

1,737,075. PLANT FOR ECONOMICALLY USING CALORIC ENERGY. OTTO FRITZ KARL BRANDT, Hamburg, Germany. Filed July 7, 1927, Serial No. 203,954, and in Germany Mar. 23, 1926. 7 Claims. (Cl. 126-272.)



1. In an installation for utilizing the caloric energy of high pressure hot water, the combination with a high pressure hot water generator, of a hot water main leading from said generator, a main return line, an intermediate pressure container connected with the hot water main, means for regulating the quantity of hot water which flashes into steam in said container, steam utilizing apparatus connected to the steam space of said container, a drain pipe from said apparatus to said container, and means for discharging the accumulated water in the container into the main return line.

1,737,076. ADVERTISING SIGN. ENSIGN C. COWELL, Brookdale, Calif. Filed Feb. 20, 1929. Serial No. 341,290. 3 Claims. (Cl. 40-32.)

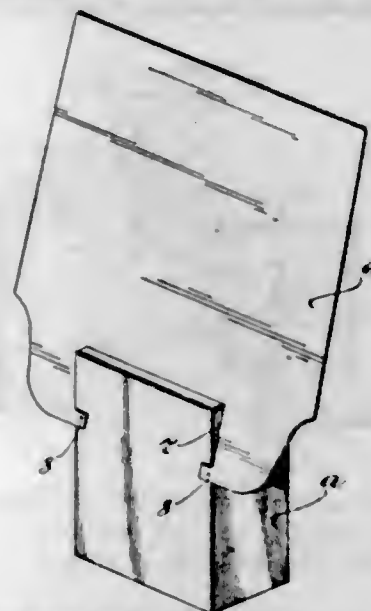


1. An advertising structure including spaced endless driven chains, arranged in the form of a plurality of vertical and transversely spaced runs, top direction changing rollers for the front and back runs of the chains and between which said chains extend direct, bottom and intermediate direction changing rollers about which the chains pass between said front and back runs, and sign supporting plates supported by and suspended between the corresponding runs of the chains; the vertical spacing between the top and intermediate rollers being greater than the depth of the individual plates.

1,737,077. DISPLAY DEVICE FOR CARTONS AND THE LIKE. NEIL A. DAVIDSON, Minneapolis, Minn., assignor to Bureau of Engraving, Inc., Minneapolis, Minn., a Corporation of Minnesota. Filed Apr. 4, 1929. Serial No. 352,450. 8 Claims. (Cl. 40-7.)

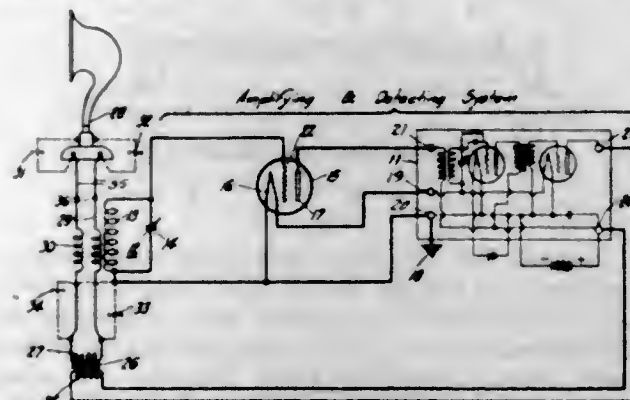
1. A device of the class described having a bifurcated bottom portion adapting the device to straddle a carton

and be supported thereon, said device having on the prongs of its bifurcated bottom portion retaining members



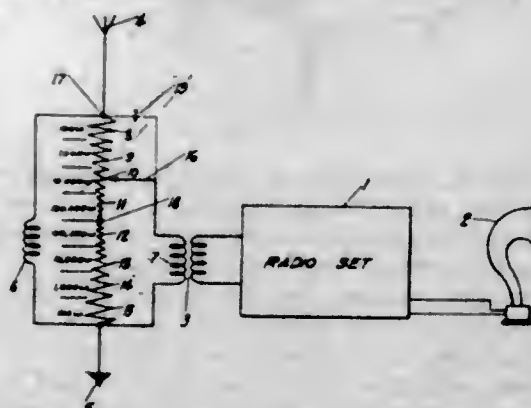
arranged to overlap and engage the front face of the carton and having at its back a brace for holding the device upright.

1,737,078. RADIO RECEIVING SYSTEM. HAROLD F. ELLIOTT, Palo Alto, Calif., assignor, by direct and mesne assignments, to Victor Talking Machine Company, Camden, N. J., a Corporation of New Jersey. Filed Aug. 15, 1925, Serial No. 50,478. Renewed May 8, 1928. 23 Claims. (Cl. 250-20.)



23. In combination, a radio receiver, a loud speaker having metallic parts, means connecting said radio receiver and loud speaker for energizing the latter and an antenna circuit for said receiver including at least some of said metallic parts as a capacity area and said means, said antenna circuit being operatively connected with said receiver to transfer energy thereto.

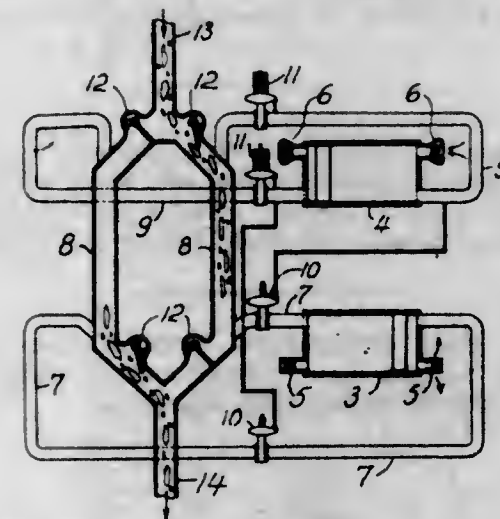
1,737,079. RADIO SIGNAL VOLUME CONTROL. HAROLD F. ELLIOTT, Palo Alto, Calif., assignor, by direct and mesne assignments, to Victor Talking Machine Company, Camden, N. J., a Corporation of New Jersey. Filed Jan. 22, 1928. Serial No. 248,818. 6 Claims. (Cl. 250-20.)



1. In a radio signal receiving system having a pick-up circuit transferring energy to the input side of a re-

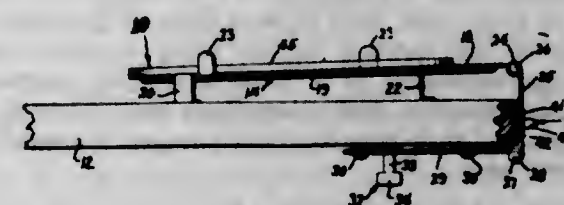
ceiver, and a translating device to which the receiver transmits the signaling currents, the process of controlling the energy utilized in the translating device, which comprises simultaneously varying a pair of resistances in opposite senses, one of said resistances being in series with the input to the receiver, and the other in shunt thereto.

1,737,080. OIL-PUMPING APPARATUS. GUNNAR C. ENGSTRAND, Brooklyn, N. Y., assignor to Salvage Process Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1927. Serial No. 169,205. 4 Claims. (Cl. 103-5.)



1. An air transmission comprising in combination a suction line, a pressure line, an intermediate part joining said lines together provided with check valves, an air pump and double suction and discharge connections to said intermediate part, and pressure regulated valves in said connections set to open or close at each pump stroke.

1,737,081. SUPPORT FOR RADIRONS. CONSTANCE FOUCHER, Los Angeles, Calif. Filed Apr. 21, 1928. Serial No. 271,750. 6 Claims. (Cl. 68-27.)

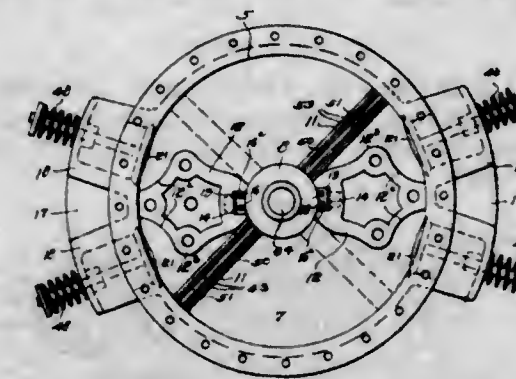


1. An iron stand comprising a supporting plate, a plurality of legs adjacent the rear of said supporting plate and a plurality of legs adjacent the front of said supporting plate, said rear legs being of greater length than said front legs thereby causing said supporting plate to slant forward when said iron stand is in an operative position, a plurality of upstruck lips at the sides of said supporting plate adapted to retain an iron on said supporting plate, a plate pivotally connected to said supporting plate and a fastening plate pivotally connected to said first plate.

1,737,082. VARIABLE-COMPRESSION INTERNAL-COMBUSTION ENGINE. FRANK E. GOUGH, Oklahoma City, Okla., assignor to Gough Aircraft Corporation, a Corporation of Oklahoma. Filed Oct. 9, 1928. Serial No. 311,350. 17 Claims. (Cl. 123-18.)

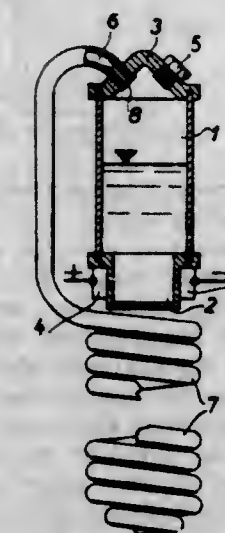
3. An engine of the character described, comprising a cylinder, a piston mounted for oscillation in said cylinder, a shaft by which said piston is carried and a fixed

abutment extending between the inner periphery of the cylinder and said shaft, said abutment being materially



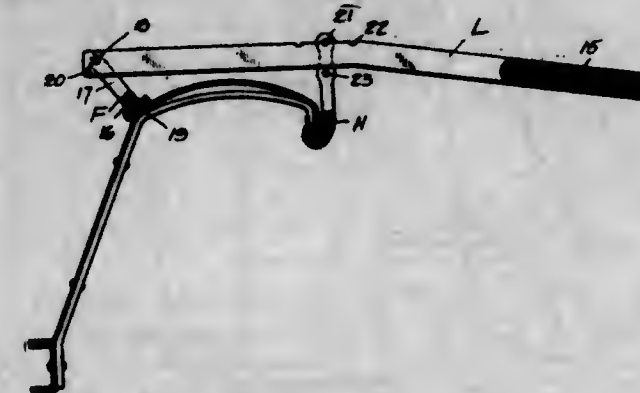
narrower at its inner and outer ends than at its intermediate portion, and a valve carried by the cylinder outwardly of the abutment, the major portion of which overlies said abutment.

1,737,083. REFRIGERATING OR COOLING APPARATUS. HANS HAAGER, Bad Hall, Austria. Filed Aug. 26, 1927, Serial No. 215,660, and in Austria Sept. 3, 1926. 4 Claims. (Cl. 62-120.)



1. Refrigerating or cooling apparatus, comprising in combination an upright vessel containing a refrigerating medium, a coil shaped upright condenser-evaporator, disposed underneath the said vessel and substantially coaxially to the same; a tubular connection between the said refrigerating vessel and the said condenser-evaporator coil; and means for connecting the refrigerator vessel to a source of electric heating current.

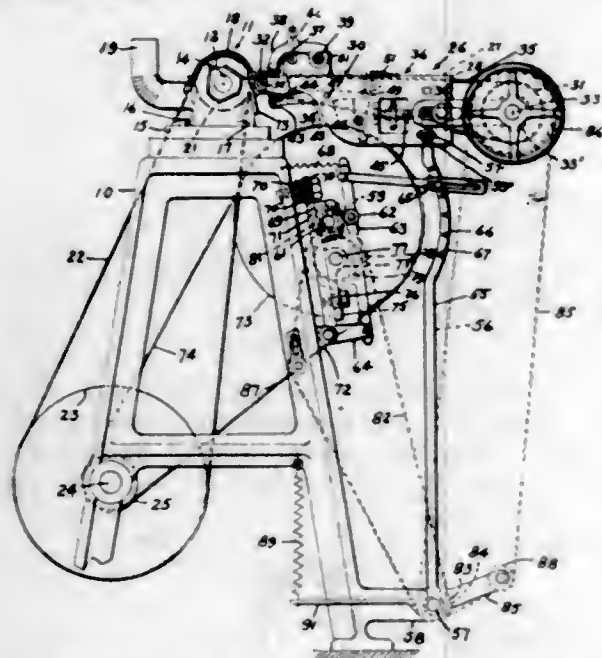
1,737,084. METAL-BENDING TOOL. JOHN ROY HILSTAD, Whittier, Calif., assignor, by direct and mesne assignments, to George G. Griffith, Monrovia, Calif. Filed July 1, 1925. Serial No. 40,963. 4 Claims. (Cl. 81-15.)



1. A metal bending tool comprising a lever, a supporting foot pivoted on one end of the lever, a pin extending from the lever for limiting the swinging movement of

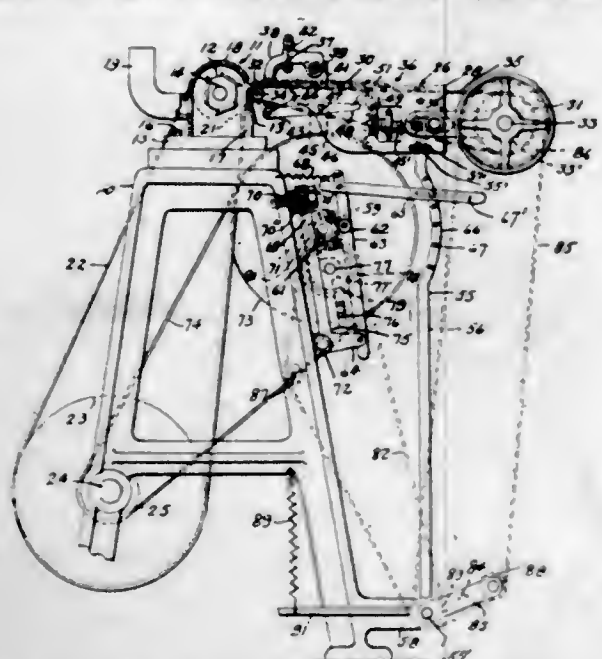
the foot in one direction on the lever, and a hooked member bodily adjustable and pivoted on the lever at a point spaced from the foot.

1,737,085. MEANS FOR PRODUCING DESIGNS IN FURS. FREDERICK W. HORSTMANN, Maplewood, N. J. Filed Sept. 22, 1925. Serial No. 57,824. 14 Claims. (Cl. 149—28.)



14. A machine for producing ornamental effects in the fur surface of skins, which comprises shearing mechanism, a pair of rollers supported by a frame, said frame, a belt threaded over said rollers, means for moving said conveyor past said shearing mechanism, means adjacent one end of said belt and adjacent one of said rollers for holding a skin against the conveyor while the same is being fed past said shearing mechanism, and a cam for moving said belt toward and from said shearing mechanism, said cam being so designed as to reciprocate said belt in timed relation to the travel of said conveyor so as to produce in the fur surface of a pelt carried by the belt a series of waves having rounded crests and hollows.

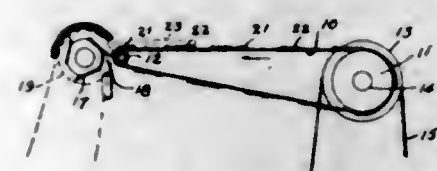
1,737,086. METHOD FOR PRODUCING DESIGNS IN FURS. FREDERICK W. HORSTMANN, Maplewood, N. J. Original application filed Sept. 22, 1925, Serial No. 57,824. Divided and this application filed Apr. 27, 1926. Serial No. 105,034. 2 Claims. (Cl. 149—28.)



2. The method of ornamenting the fur surface of pelts which comprises cutting the fur slightly in a straight line

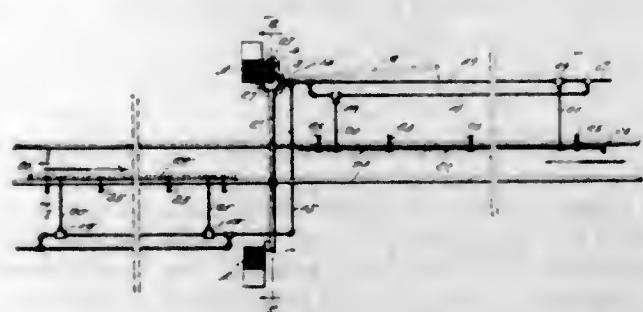
and then in steps following a reverse curve cutting the fur and at each step increasing the depth of the cut and then following a reverse curve cutting the fur and at each step decreasing the depth of the cut, and then repeating these operations, whereby a series of waves will be formed in the fur surface having rounded tops and bottoms.

1,737,087. FUR MACHINE. FREDERICK W. HORSTMANN, Maplewood, N. J. Filed Dec. 23, 1925. Serial No. 156,619. 4 Claims. (Cl. 149—26.)



4. A conveyor belting having a plurality of sets of projecting pointed members, said sets being arranged in alternately opposite angular relation to the conveyor, and a marker adjacent alternate sets of said members.

1,737,088. GATE-OPERATING SYSTEM. FRANK KAHLE, Los Angeles, Calif. Filed Aug. 6, 1926. Serial No. 127,595. 4 Claims. (Cl. 246—272.)



1. A gate operating system for railways including a track, a pivotally mounted gate adjacent said track, means for imparting vertical and rotative motion to said gate, a control device located adjacent said track on opposite sides of the approach to said gate, one of said control devices being arranged to be actuated by movement of a train over said railway in one direction and the other of said control devices being arranged to be actuated by movement of a train over said railway in the opposite direction and connections between said control devices and said first mentioned means for rotatively moving said gate.

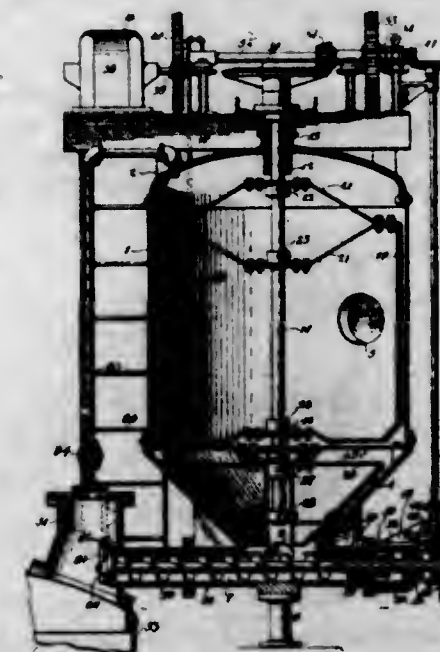
1,737,089. SIGNALING SYSTEM. FREDERICK A. KOLSTER, Palo Alto, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed June 2, 1924. Serial No. 717,291. 4 Claims. (Cl. 250—11.)



1. A signaling system adapted to signal between the respective operators of a radio compass installation and a nearby independent radio installation having an absorption circuit sufficiently large to upset observations taken on the radio compass, comprising an electrical signaling

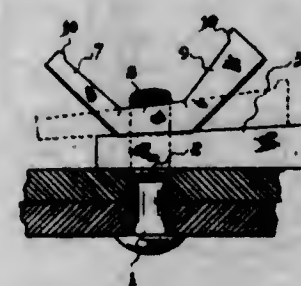
device located at each installation, an electrical circuit including each of said signaling devices, a source of electrical energy included in said circuit, a switch located near the operator of the compass installation, means responsive to movement of a part of said compass installation necessarily movable for rendering said compass installation operable for effecting movement of said switch to one position during operation of that installation and to another position while idle, a second switch located near the operator of the nearby installation and adapted to be placed in one position during operation of the same and in another position when the absorption circuit is open and the nearby installation is idle, said switches being associated with said electrical circuit thereby constituting means for signaling to the operator of the compass installation and apprising him as to whether the nearby installation is in operation or is idle.

1,737,090. CONVEYING APPARATUS. SIDNEY E. MEYERS, Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 19, 1926. Serial No. 82,334. 4 Claims. (Cl. 214—17.)



1. Conveying apparatus comprising in combination a casing, a screw conveyor within said casing, a bonnet detachably connected to said casing, a hollow shaft journaled in said bonnet, means for rotating said hollow shaft, and a shaft extending from said conveyor through said hollow shaft and having engagement with said hollow shaft.

1,737,091. GIB AND WEDGE KEY FOR KEY BOLTS. RODNEY V. NORTHEY, Toronto, Ontario, Canada. Filed Nov. 4, 1927. Serial No. 231,109. 9 Claims. (Cl. 85—7.)



2. A slotted bolt having a straight-sided wedge key extending through its slot in combination with a tapered

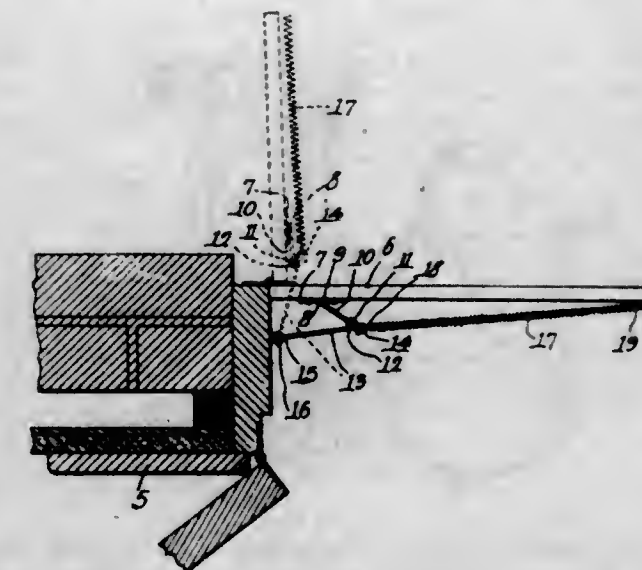
gib, also extending through the slot, said gib bent intermediate its ends to form a pair of key engaging portions lying at an angle to one another.

1,737,092. WRITING SIGN. THOMAS PEARSON and HARRY E. GABER, Long Beach, Calif. Filed Apr. 9, 1928. Serial No. 268,737. 4 Claims. (Cl. 40—130.)



1. In a writing sign comprising an elongated tube bent to form intelligent matter, an opaque liquid disposed within said tube, an elongated illuminary structure disposed longitudinally through the tube, and means for forcing said fluid through the tube to gradually expose said illuminary structure.

1,737,093. COMBINED DOOR CHECK AND CLOSER. WALLACE PRICE, Edinburg, Ill. Filed May 14, 1928. Serial No. 277,653. 1 Claim. (Cl. 16—80.)

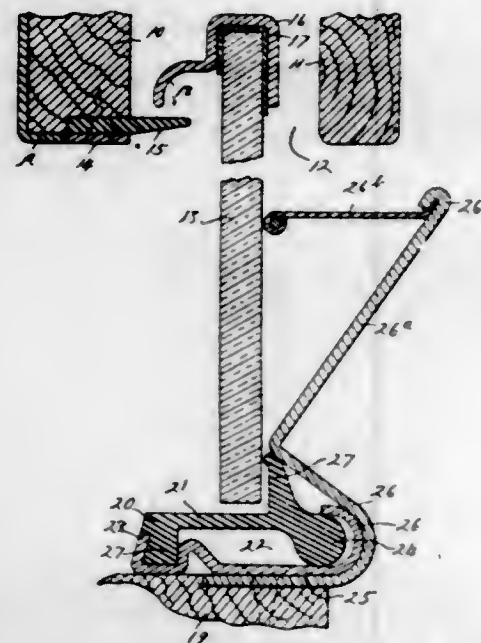


In combination with a door and its frame, an actuating device including a controlling rod pivotally connected with the frame of a door, a loop member pivotally connected with the door and having an elongated offset portion, said rod being looped around the offset portion at a point adjacent to the outer end of the rod, said rod having a hook formed at its outer end, a coiled spring having one of its ends connected with the hook, the opposite end of the spring being secured to the door to exert a pull on the controlling rod.

1,737,094. WINDSHIELD WEATHER STRIP. WILLIAM S. PRITCHARD, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a Corporation of New York. Filed Dec. 21, 1925. Serial No. 76,844. 7 Claims. (Cl. 296—93.)

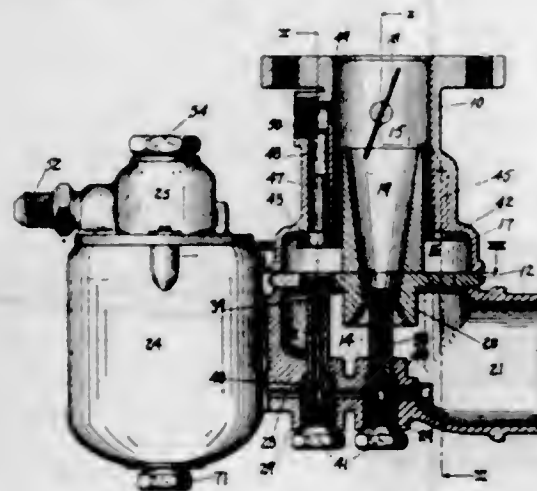
6. In combination with a support and a windshield movable relative to the support, a weatherstrip having an intermediate portion spaced from the support and having

relatively movable edge portions engageable with the support for supporting the weather strip upon the latter, and



a projection extending upwardly from said weatherstrip operable upon a relative movement of said edge portions on the support to firmly engage the said windshield.

1,737,095. CARBURETOR. GEORGE F. RITTER, Toledo, Ohio, assignor to The Tillotson Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed May 17, 1920. Serial No. 382,008. 6 Claims. (Cl. 261-41.)

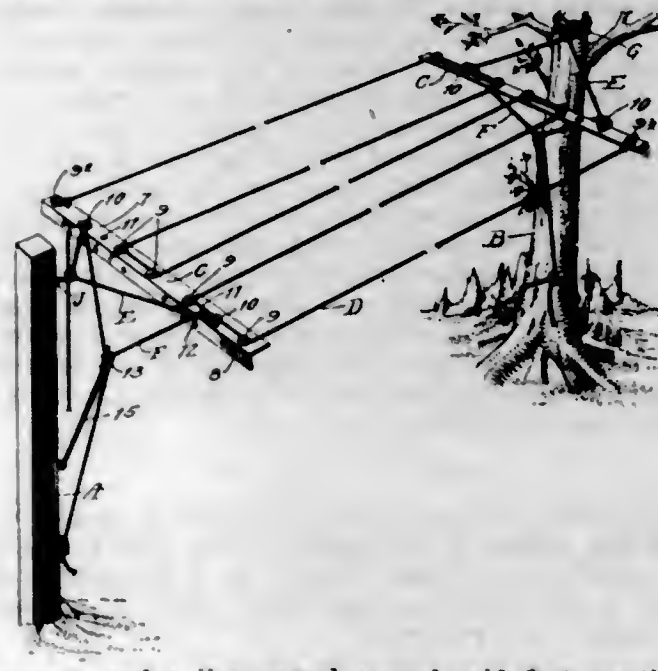


2. In a carburetor, the combination of an air inlet section, a carbureting section having a vacuum chamber in the lower end thereof, a partition disposed between said sections having an air inlet opening therethrough, a Venturi tube carried by said partition and arranged to project into said carbureting section, a fuel nozzle adapted to supply fuel to said carbureting section, a by-pass, a valve for said air inlet opening provided with a hollow stem projecting into said by-pass, the latter discharging into said carbureting section whereby communication is established between said air inlet section and said carbureting section, said valve being adapted to open automatically when the pressure in said vacuum chamber is reduced below a predetermined point, and a fuel nozzle adapted to discharge through said valve controlled opening.

1,737,096. CLOTHES HANGER OR THE LIKE. CHARLES ALFRED ROBINSON, Goleta, Calif. Filed Oct. 15, 1928. Serial No. 312,470. 1 Claim. (Cl. 68-3.)

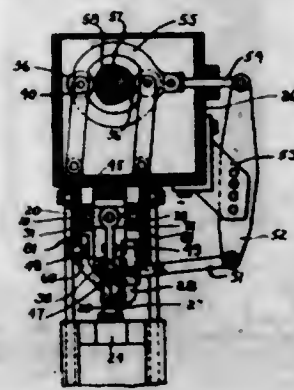
A portable clothes line hanger comprising metallic angle bars, each bar having hooks upset from one flange with their mouths facing the other flange and hitch hooks upset from said first mentioned flange and facing in the oppo-

sition direction to said first mentioned hooks, hitch tackle engaged with hitch hooks for attaching said bars to spaced



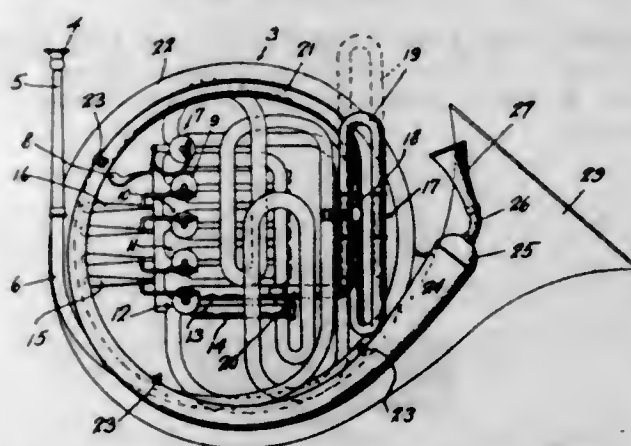
supports and a line passed around said first mentioned hooks and strung between said bars to provide multiple strings.

1,737,097. BENDING MACHINE. OTTO SCHACHTEL, Chicago, Ill. Original application filed Feb. 3, 1923, Serial No. 616,958. Divided and this application filed Jan. 24, 1925. Serial No. 4,387. 20 Claims. (Cl. 153-49.)



14. A machine for bending towards each other the edges of adjacent flanges, comprising a hammer member mounted for alternately reciprocating in two planes substantially at right angles to each other, and means for reciprocating said hammer in each of said planes.

1,737,098. FRENCH-HORN MUTE. CARL A. SCHUMANN, Osterburg, Pa. Filed Nov. 3, 1927. Serial No. 230,780. 7 Claims. (Cl. 84-400.)



1. In a musical instrument of the class described, in combination, a horn embodying tubing constructed to provide a sound wave passage, said tubing terminating at its outer end in a bell from which the tones emanate, a

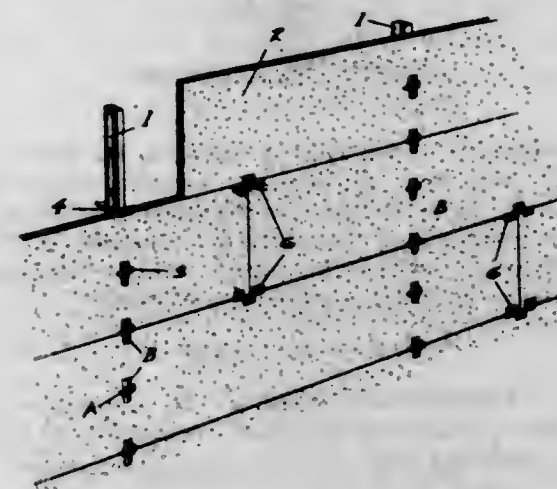
mouthpiece at the inner end of the tubing, a mute connected with the tubing at a point between the mouthpiece and the bell, together with manual control means associated with the tubing and the mute, in order to permit the sound waves to be selectively passed entirely through the tubing and out through the bell or entirely through the mute.

1,737,099. SURFACING APPARATUS. HERBERT R. STRATFORD, Cleveland, Ohio, assignor to The Stratmore Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 29, 1927. Serial No. 209,198. 3 Claims. (Cl. 51-195.)



1. In apparatus of the character described, the combination of a yieldable supporting pad provided with a projecting driving wing, and a surfacing disc provided with a driving surface positioned to be engaged by said wing whereby friction between said wing and driving surface due to the pressure of the disk toward the pad serves to rigidly secure the same together.

1,737,100. MEANS FOR SECURING PLASTER BOARD IN PLACE. WILLIAM B. THURMAN and MARK W. HILD, Stockton, Calif., assignors to Fireproof Wall Company, Reno, Nev., a Corporation. Filed Aug. 15, 1927. Serial No. 212,920. 6 Claims. (Cl. 72-118.)



1. A fastening element for the purpose disclosed comprising a member having a pair of spaced sharp pointed prongs, and a hook on one prong.

1,737,101. FROZEN FOOD PRODUCT AND METHOD OF MAKING SAME. GROVER D. TURNBOW, Davis, Calif., assignor of one-half to Chester Earl Gray, Oakland, Calif. Filed June 22, 1926. Serial No. 117,859. 6 Claims. (Cl. 99-11.)

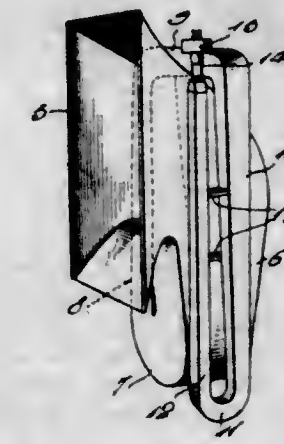
1. A step in the process of producing a frozen food product, such as ice cream, from a mixture containing milk solids, including milk sugar, which consists in converting the milk sugar into substances substantially soluble in the water content of the mixture at the temperature of the frozen product.

6. A frozen food product such as ice cream or the like of smooth consistency and containing milk solids not fat and milk sugar derivatives.

1,737,102. LOUD-SPEAKER HORN. GASE H. WATERS, Greer, S. C. Filed May 26, 1927. Serial No. 194,487. 1 Claim. (Cl. 181-27.)

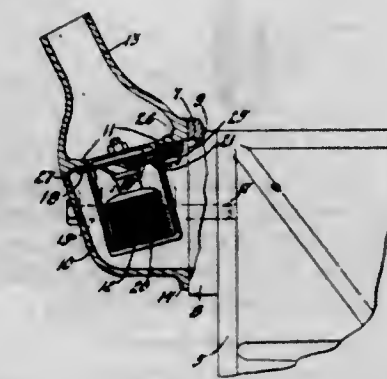
A horn enlarged toward one end, having a bell at said end and having substantially the proportions given by the

following dimensions: length seventeen feet, diameter at small end, one-half inch; one foot from small end, five-eighths inch; two feet from small end, three-fourths inch; three feet from small end, one inch; four feet and one inch from small end, one and one-fourth inches; five feet and two inches from small end, one and five-eighths inches; six feet and three inches from small end, two and one-eighth inches; seven feet and four inches from small end, two



and five-eighths inches; eight feet and five inches from small end, three and one-half inches; nine feet and six inches from small end, four and five-eighths inches; ten feet and seven inches from small end, six and one-half inches; eleven feet and eight inches from small end, eight and five-eighths inches; twelve feet and nine inches from small end, eleven and three-eighths inches; thirteen feet and ten inches from small end, fifteen and one-fourth inches.

1,737,103. THERMOSTAT MOUNTING. EARL R. WILSON, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 12, 1928. Serial No. 260,977. 4 Claims. (Cl. 236-34.)

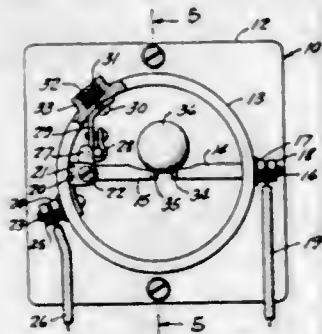


1. The combination with a housing having a passage therethrough and an annular internal abutment surrounding said passage, of a thermostatic valve unit positioned within said housing and having an annular head seated upon said abutment and a clip positioned to clamp said head against said abutment.

1,737,104. PROCESS FOR THE TREATMENT OF ANIMAL AND VEGETABLE FIBERS. MAX BERGMANN, EUGEN IMMENDORFER, and HERMANN LOEWE, Dresden, Germany. Filed Dec. 12, 1923. Serial No. 680,278, and in Germany Dec. 18, 1922. 7 Claims. (Cl. 8-2.)

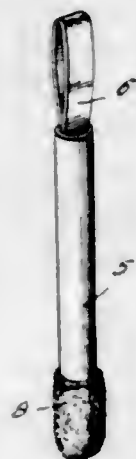
1. A method for the protection and amelioration of the mechanical properties of animal and vegetable fibers during their treatment with agents generally impairing the fiber, consisting in treating the fibers with said agents in the presence of water extracts of tan wood and tan bark in available conditions.

1,737,105. EARTHQUAKE-OPERATED SAFETY AUTOMATIC CIRCUIT BREAKER. JACOB L. BLALACK, Los Angeles, Calif. Filed Mar. 28, 1927. Serial No. 178,897. 4 Claims. (Cl. 200-142.)



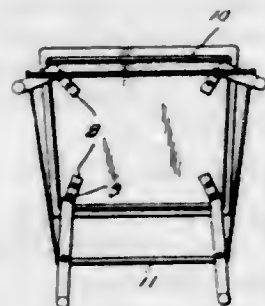
1. In a circuit breaker, a pair of spaced electrical conductive elements, a movable conductive element connecting said spaced elements and forming a closed circuit between said spaced elements, a seat for said movable element, said movable element being readily displaced by earthquake tremors to cause an open circuit between said pair of elements.

1,737,106. EAR CURETTE. LESLIE E. CAMPBELL and LAWRENCE C. BROWN, San Antonio, Tex. Filed May 1, 1928. Serial No. 274,281. 4 Claims. (Cl. 128-304.)



1. In an ear curette, a rigid tubular handle, and an elongated flattened scraping loop projecting from one end of the handle coaxial with the latter, said loop embodying a centrally return-bent non-metallic strip having its ends adhesively secured in said end of the handle.

1,737,107. CHAIR. JOHN M. CHILDERS, Leolr, N. C. Filed Apr. 3, 1928. Serial No. 267,093. 1 Claim. (Cl. 155-196.)



An article of furniture of the class described comprising a back and seat arranged in attached position with respect to each other, a plurality of supporting legs extending from the underside of the seat, an angular attaching bracket attached to the inner edge of each of said legs and to the underside of said seat, a pair of continuously formed braces

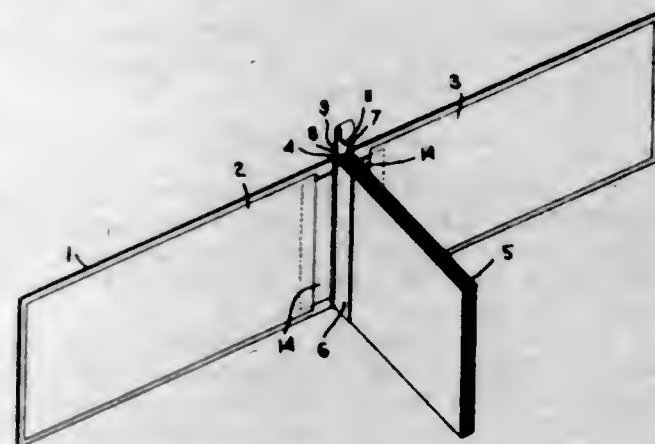
extended about the outer edges of said legs and secured thereto in spaced relation from each other whereby to prevent outward spreading movement of said legs, bolts extended transversely of the legs and the braces and having nuts threaded on one end for securing the legs to said braces, and bushings for the bolts having one end abutting the inner side of said braces, and with their opposite ends forming an abutment for the nut whereby to prevent play between the bolts and the legs.

1,737,108. ATHLETIC STANDARD. BURNIE J. CRAIG, Los Angeles, Calif. Filed Mar. 23, 1927. Serial No. 177,800. 3 Claims. (Cl. 272-59.)



2. A standard comprising a base, a stanchion supported by said base, a telescopic member mounted for movement on said stanchion, said telescopic member having a plane upper face constituting a platform, a bracket slidably mounted on said stanchion, said bracket having a plane surface comprising a platform thereon.

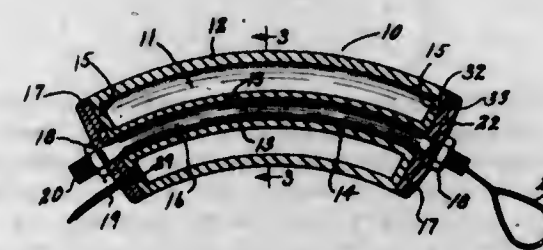
1,737,109. TEMPORARY BINDER. ELI DAVIDSON, Chelsea, Mass. Filed July 18, 1925. Serial No. 44,104. 1 Claim. (Cl. 281-19.)



A temporary binder for a filler having a pocket at its back which extends from the top to the bottom edge thereof and which is open at each edge, said binder comprising a back member and covers hinged thereto, a pair of filler-holding members carried by the back member, each filler-holding member when in operative position extending from one end to the other of the back member and each provided at one end with a hook portion to enter the pocket of the filler, an anchoring rivet extending through both filler-holding members and fixedly securing the outside

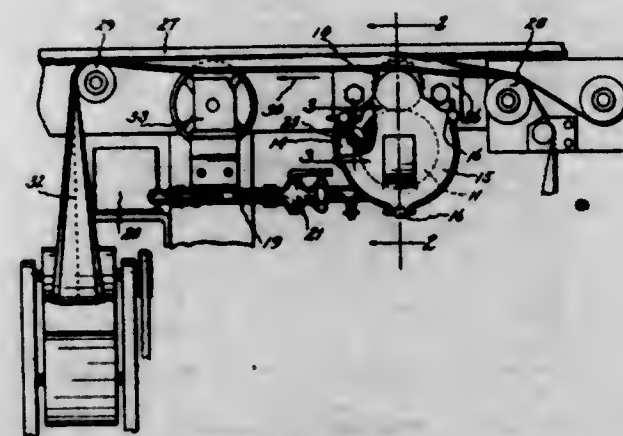
filler-holding member to the back member of the cover, the inner filler-holding member having a slot through which the rivet passes so that said member can be adjusted longitudinally so as to move the hooks relatively toward and from each other, and a protuberance on one filler-holding member adapted to enter a recess formed in the other filler-holding member thereby to hold the said members yielding in adjusted position, said protuberance and recess permitting the filler-holding members to be adjusted relatively to each other simply by applying force to said members in the direction of their length.

1,737,110. SECTIONAL REPAIR BAG. CHARLES H. DESAUTELS, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 7, 1927. Serial No. 173,347. 4 Claims. (Cl. 18-45.)



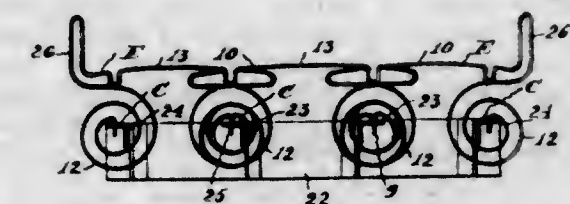
1. A sectional repair bag having an arc-shaped body portion with a hole extending through it from end to end, a fluid tight annular chamber surmounting the hole and completely contained in the body portion, a non-extensible member passing through the hole in the body portion, abutments secured to each end of the member serving to prevent longitudinal expansion of the bag, and means for introducing fluid pressure into said chamber.

1,737,111. APPARATUS FOR MARKING RUBBER AND RUBBERIZED MATERIAL. CHARLES H. DESAUTELS, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 23, 1928. Serial No. 264,000. 1 Claim. (Cl. 91-12.)



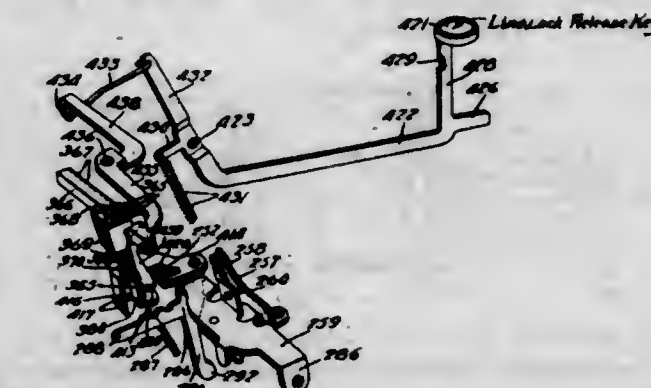
A device for marking a web of vulcanizable material which comprises a housing adapted to hold rubber cement in fluid form, a gear rotatable within the housing and positioned to turn through and carry a portion of the cement, an adjustable scraper straddling the toothed edge of the gear and adapted to remove the cement from the sides of the gear teeth, a second gear meshing with the cement carrying gear to receive the cement from the recesses between the teeth of the first gear in the form of globules adhering to the ends of the teeth of said second gear and means to guide a web of vulcanizable material over said second gear to thereby drive the gears and deposit the globules of cement, carried by the second gear, in spaced relation upon the web.

1,737,112. CUSHION SPRING. WILLIAM W. DOTY, Great Kills, N. Y., assignor to New Century Spring Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 28, 1926. Serial No. 132,230. 14 Claims. (Cl. 155-197.)



3. In a cushioning support, in combination, a frame, spring supports, means associated with said supports to adjustably position said support relative to said frames, springs, and means for securing the springs to said supports, said springs including coiled spring portions disposed in aligned spaced relation, the coils of said spring portions being wound reversely, the outer ends of the outermost coils of the spring portions extending outwardly and having connected extensions of said ends forming a load receiving portion of the springs, said securing means securing the inner ends of the innermost coils of the spring portions to said supports, pressure on said load receiving portion causing the coils of the spring portions to wind up in opposite directions, and means associated with said load receiving portions to resiliently and locatably support a cushion mattress on said springs.

1,737,113. TYPEWRITING MACHINE. ALONZO B. ELY and EDWIN L. HARMON, Groton, N. Y., assignors to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a Corporation of New York. Original application filed Oct. 31, 1925, Serial No. 66,000. Divided and this application filed July 28, 1927. Serial No. 208,938. 16 Claims. (Cl. 197-63.)

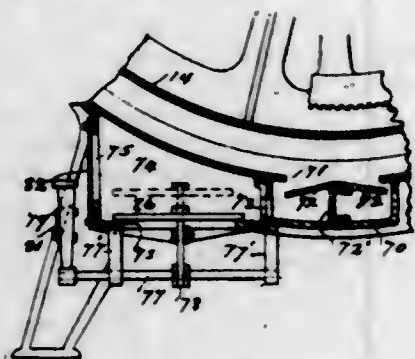


4. In a typewriting machine, a main frame; a carriage bed; a platen carriage movable across the frame on the bed; a margin-stop bar on the carriage, rockable about an axis extending transversely of the frame; a right-hand margin stop adjustable along and rockable with said bar and extending therebelow; key-operated type bars; an escapement rocker mounted on the bed; a universal bar operable by the type bars to actuate the rocker; a locking member yieldably held in inactive position and pivotally supported on the bed for movement by the pendent stop portion into a position for directly holding the rocker against actuation to lock the machine against printing and carriage feeding; a stop on the bed engageable by said member to arrest the member and margin stop in machine-locking position; a release lever pivotally mounted intermediate its ends on the bed and extending transversely of the machine and the inner end of which is in front of the pendent portion of the margin stop when the machine is locked; a key lever mounted on the main frame, having an up-and-down swinging key arm and an upstanding arm; and a connecting link extending rearward from said upstanding key-lever arm to the outer end of said release lever.

1,737,114. METHOD OF MAKING MAGNESIUM ARSENATE. SHELDON B. HEATH, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Dec. 11, 1924. Serial No. 755,159. 8 Claims. (Cl. 23-53.)

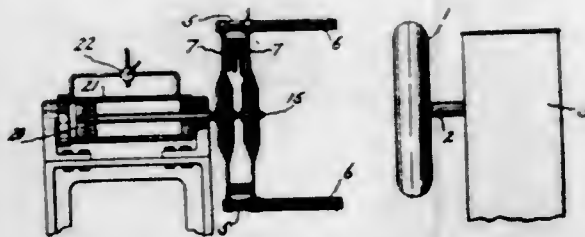
8. In a method of making magnesium arsenate, the steps which consist in reacting between arsenic acid and magnesium hydroxide in the presence of sodium hydroxide equal in amount to approximately fifteen (15) per cent of that required to convert such acid to sodium arsenate and subjecting the resulting mixture in an autoclave to a temperature of approximately 180° C.

1,737,115. CLEANING MACHINE. KENNETH C. JONES, Cleveland, Ohio. Filed June 19, 1922. Serial No. 569,229. 4 Claims. (Cl. 8-8.)



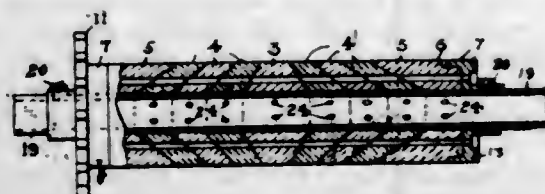
1. In a cleaning machine, a casing, a rotatable perforate drum therein, a drain trough positioned in the bottom of said casing and a guard plate in the drain opening in said casing, said guard plate inclined downwardly from each side of a raised portion.

1,737,116. TIRE-BUILDING MACHINE. PAUL W. LEHMAN, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 21, 1927. Serial No. 207,547. 5 Claims. (Cl. 154-10.)



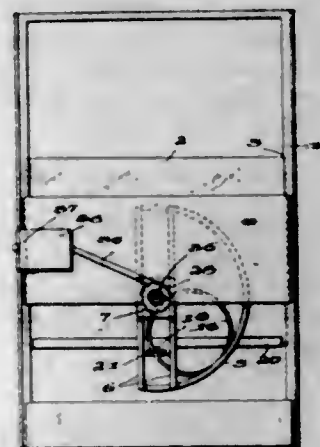
1. A device of the character described comprising a plurality of supports mounted for pivotal movement about a common center, band receiving fingers projecting from the ends of said supports and having free outer ends and means to swing the supports about the common center to alternately position the fingers in radially opposite groups and in substantially equally spaced circular relation.

1,737,117. CONVEYING ROLL FOR FURNACES AND THE LIKE. WILLIAM A. MORTON, Pittsburgh, Pa., assignor to Amco, Incorporated, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 23, 1927. Serial No. 242,275. 6 Claims. (Cl. 214-18.)



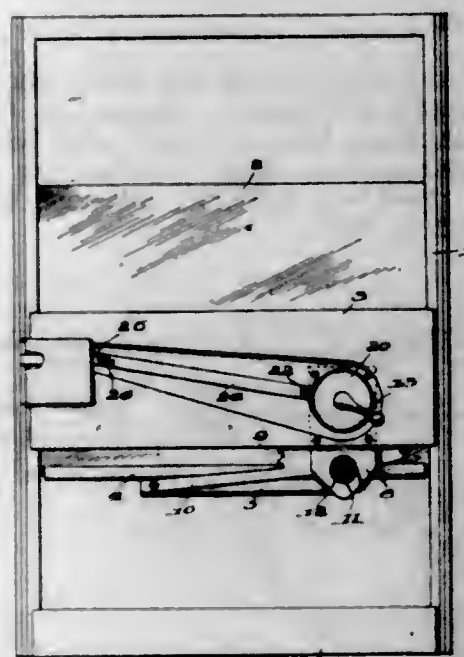
1. A rotary conveying roll for furnaces consisting of an arch comprising a keystone and a plurality of voussoirs at either side thereof and means for holding said voussoirs in compression against said keystone.

1,737,118. WINDOW AND LOCK ACTUATING DEVICE FOR AUTOMOBILES. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Lock Company, Toledo, Ohio. Filed Jan. 18, 1928. Serial No. 247,645. 6 Claims. (Cl. 268-126.)



3. The combination of a window operating device, including gearing for raising and lowering the window element, a drive shaft for said gearing, and a handle tiltably connected to said drive shaft; and a door latch retracting device including rotary clutch members for operatively connecting the retracting device and the handle when the latter is tilted.

1,737,119. LATCH-RETRACTING ATTACHMENT FOR WINDOW-OPERATING DEVICES. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Lock Company, Toledo, Ohio. Filed Feb. 16, 1928. Serial No. 254,827. 6 Claims. (Cl. 268-126.)

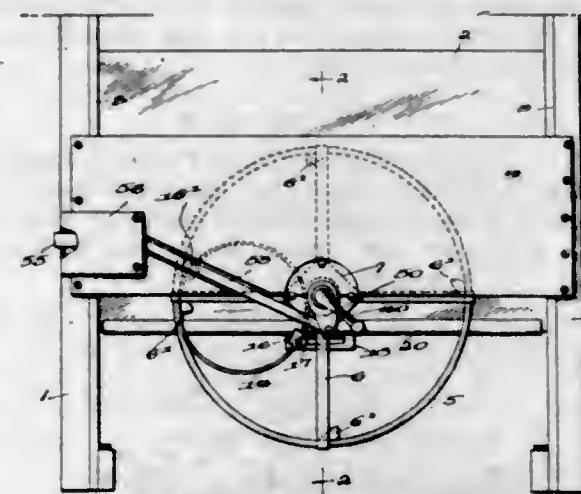


3. A door latch retracting attachment for a window operating device which device includes a rotary shaft, comprising a casing loose on said shaft and connected to the latch, a ratchet on the casing, a pawl carried by said shaft for rotation therewith, and means loosely surrounding the shaft normally holding the pawl out of engagement with the ratchet and effective to engage the pawl with the ratchet upon a sudden acceleration of the shaft.

1,737,120. WINDOW-OPERATING DEVICE. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Lock Company, Toledo, Ohio. Filed Feb. 20, 1928. Serial No. 255,738. 10 Claims. (Cl. 268-126.)

1. A window operating device comprising a shaft, a driving gear thereon having a grooved periphery with gear

teeth on one lateral face of the groove, a fixed annular track substantially concentric with the gear, a driven gear rolling in said track and in the groove of the driving gear,

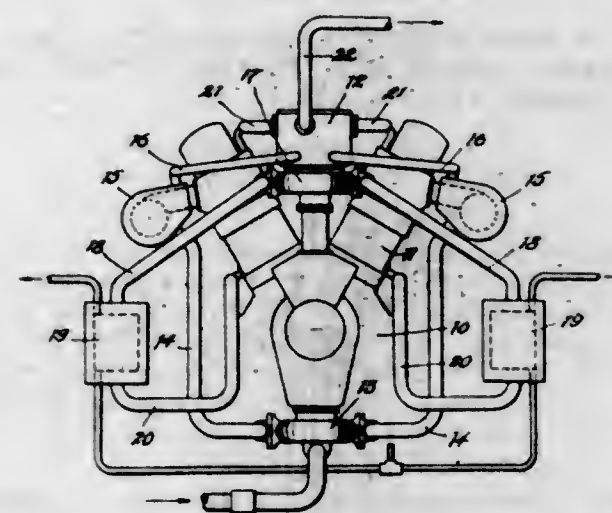


the latter having teeth disposed on a lateral peripheral face to mesh with the teeth on the driving gear, and a sliding connection between the driven gear and the window element.

1,737,121. PHENOL-FURFURAL RESIN AND METHOD OF MAKING SAME. EMIL E. NOVOTNY, Logan, Pa., assignor to John Stoddell Stokes, Spring Valley Farms, Huntingdon Valley P. O., Pa. Filed Aug. 29, 1923. Serial No. 660,027. 23 Claims. (Cl. 260-4.)

1. A potentially reactive liquid or semi-solid condensation product of phenol and furfural, wherein substantially all of the phenol and furfural are in chemical combination, the product being characterized by maintaining, in the absence of heat, its liquid or semi-solid condition without reaction, for a prolonged period of time.

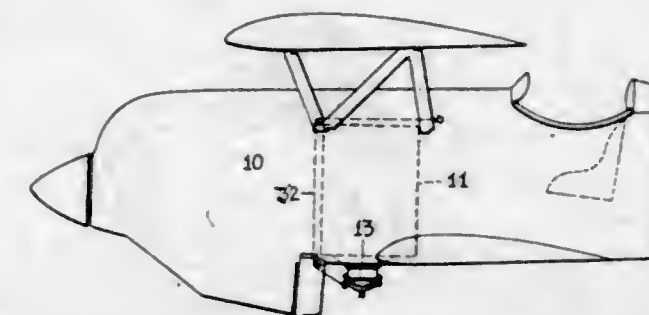
1,737,122. MOTOR-COOLING SYSTEM. ARTHUR NUTT, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Corporation, a Corporation of New York. Filed Aug. 31, 1926. Serial No. 132,674. 3 Claims. (Cl. 123-170.)



1. The combination with a water-cooled internal combustion motor, of an exhaust manifold, a water jacket within which said manifold is partially enclosed, a fluid container, a pump for withdrawing from said container and for delivering back thereto the cooling fluid necessary to the proper cooling of the engine cylinders, a second pump for continuously circulating thru said manifold and thereafter introducing directly into said container for admixture with the fluid therein contained a fresh supply of cooling fluid, and an over-flow leading off from said container for carrying off the excess cooling fluid.

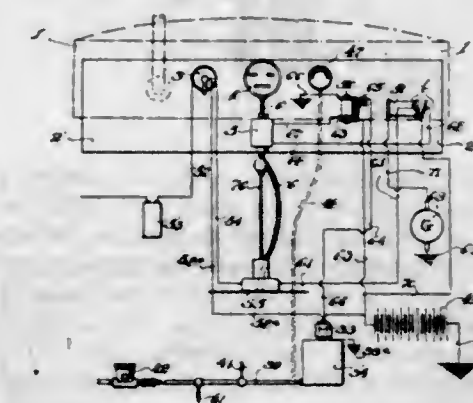
388 O. G.—60

1,737,123. DUMP VALVE FOR FLUID CONTAINERS. GEORGE A. PAGE, Jr., Freeport, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a Corporation of New York. Filed Feb. 10, 1927. Serial No. 167,260. 2 Claims. (Cl. 244-31.)



1. In an aeroplane, the combination with the body thereof, a fuel tank enclosed within said body directly above an opening formed in the body wall, and a seat for an occupant; of a sump formed on said tank and provided with a discharge opening, said sump being carried at its bottom end thru said body opening, a closure for said tank opening a release means for said closure operable from a point in proximity to said seat, to dump in an emergency, the fluid contents of said tank, and a tie connection for preventing the loss of said closure during and after its release.

1,737,124. SYSTEM OF LUBRICATION. WILLIE GIBSON PHELPS, McKinney, Tex. Filed Oct. 28, 1927. Serial No. 229,317. 6 Claims. (Cl. 184-7.)

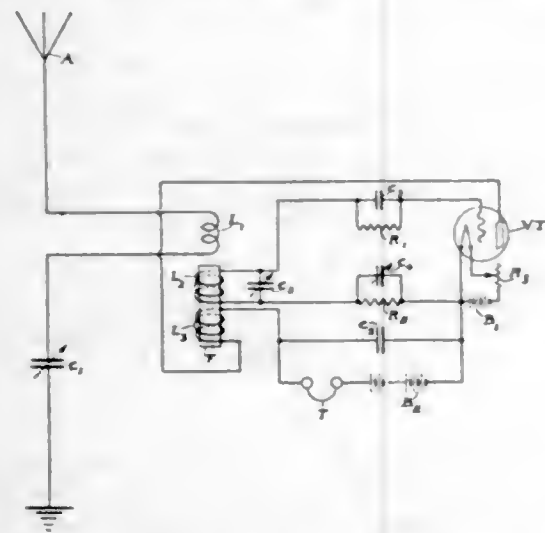


1. A lubricating system for vehicles including a lubricant reservoir having communication with various bearing surfaces in said vehicle; a pump in said reservoir, a motor for operating said pump; a source of electrical energy for operating said motor; a circuit connecting said source and motor held normally open during inoperative periods of said vehicle, and means arranged in the speed indicator line of said vehicle adapted to close said circuit at intervals during operative periods of said vehicle according to the distance traversed by the latter, to operate said motor and pump.

1,737,125. HIGH-FREQUENCY ELECTRICAL CIRCUITS. EDWIN L. POWELL, Washington, D. C. Filed June 7, 1923. Serial No. 643,993. 1 Claim. (Cl. 250-27.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)

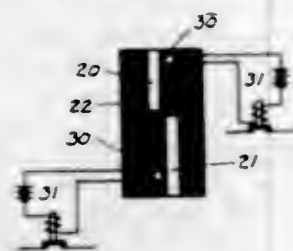
In a regenerative vacuum tube detector circuit having a grid-filament and plate-filament circuits inductively coupled together, the combination in the grid-filament circuit of a coil, a variable condenser in parallel therewith, a grid-condenser and its parallel leak resistor of high ohmic resistance connected between one terminal of said condenser and the grid of said tube, means for controlling the

degree of reaction between the grid-filament and plate-filament circuits comprising a second resistor of relatively low ohmic resistance connected between the other terminal



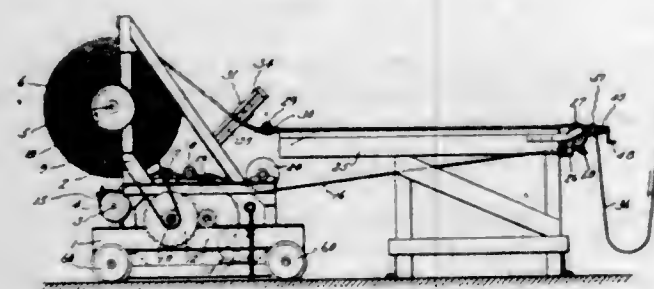
of said condenser and the filament of said tube and a second variable condenser in parallel with said last mentioned resistance.

1,737,126. LIQUID-LEVEL INDICATOR. GEORGE REYLING, Minneola, N. Y., and FRANK LIMING PLATT, New Market, N. J. Filed May 24, 1927. Serial No. 193,867. 2 Claims. (Cl. 177-311.)



1. In a liquid level indicator, a liquid column with its contained liquid and vapor, a source of light projected through the column, an optical system to transmit the image of the water and vapor, light sensitive electric cells connected to operate a relay located in the zones of lights and shadows of varying light intensity due to the different refractions of water and vapor, whereby the variation of liquid level will operate the cells and control the relay.

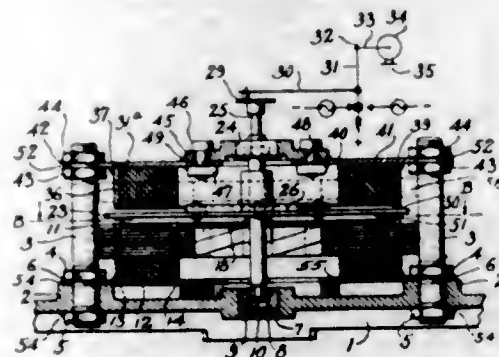
1,737,127. WEB-HANDLING DEVICE. ALBERT E. RICHIEY, Fairview, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1928. Serial No. 261,800. 4 Claims. (Cl. 242-55.)



4. A device of the character described comprising a liner let-off device and a liner wind-up device, positive driving means operatively connected to the wind-up device, brake means associated with the let-off device to tension the liner as it is wound by the wind-up device, an inspection table beneath and over which the liner passes in its travel from the let-off to the wind-up device, a roll mounted on one edge of the table and about which the liner

passes, a second tension imparting brake means associated with the last named roll, a manually adjusted guiding device positioned to act upon a web of material just prior to its contact with the liner and a gravity actuated roll resting on the web of material and liner and positioned between the point where the web and liner leave the table and the wind-up device.

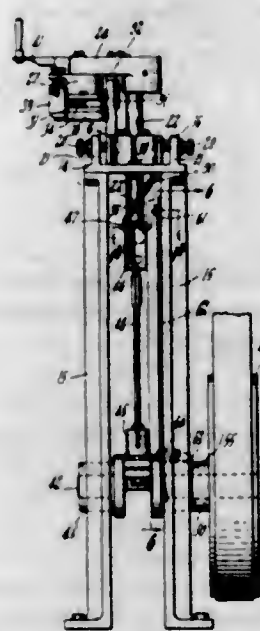
1,737,128. ALTERNATING-CURRENT INDUCTION MOTOR OR THE LIKE. OSCAR A. ROSS, New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Oct. 28, 1925. Serial No. 65,398. 7 Claims. (Cl. 172-120.)



1. In an induction motor, in combination, a polyphase stator with projecting pole pieces which are parallel to its longitudinal axis, an annular iron core having projecting pole pieces facing the stator poles in a manner to form an air-gap therebetween, a nonmagnetic metal rotor rotatable in the air-gap, and clamping means for tiltingly varying the angularity of the rotating plane of the rotor relative to the plane of the air-gap.

2. In an induction motor, in combination, a polyphase stator having projecting pole pieces parallel to its longitudinal axis, an annular iron core facing the pole pieces in a manner to form an air-gap therebetween, a nonmagnetic metal rotor rotatable in the air-gap, and means including a slidable clamp plate for varying the angularity of the axis of the rotor relative to the axes of the stator and core, whereby to centrally dispose the rotor in the air-gap.

1,737,129. HEEL-BASE-BUILDING MACHINE. CHARLES O. RYBERG, Brockton, Mass. Filed May 14, 1929. Serial No. 362,888. 5 Claims. (Cl. 12-50.)



1. A heel base building machine comprising a fixed holder including a bed adapted to support a rand, and a

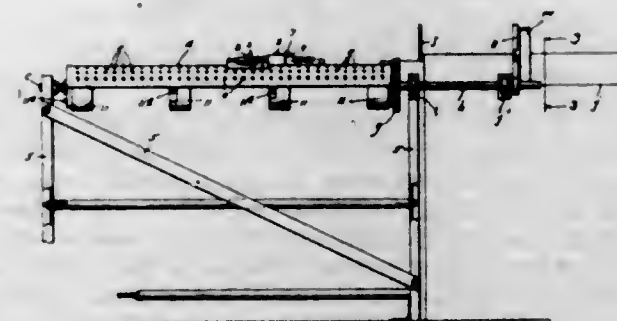
heel-shaped lift superimposed on the rand, and a curb fixed to the bed and adapted to bear on the curved margins of the rand and lift, a rock-shaft adapted to turn and move endwise in a fixed bearing at one side of the holder, an arm fixed to the rock-shaft and adapted to swing to and from an operative position over the holder, a head fixed to the swinging end of the arm, a presser carried by the head and adapted to enter the holder and act on a lift and rand therein, when the arm is swung to an operative position, the arm being movable to and from an operative position relative to the holder, and mechanism for reciprocating the rock-shaft, and through the latter the arm, head and presser.

1,737,130. DRY CELL. OLIVER W. STOREY and JAMES GARFIELD ZIMMERMAN, Madison, Wis., assignors to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Filed July 8, 1926. Serial No. 121,132. 16 Claims. (Cl. 136-111.)



1. In a dry cell, a metal electrode in the shape of a shallow pan, the depressed portion of the pan being perforate and bearing projections having approximately the same height as the sides of said pan.

1,737,131. SAW-TABLE GAUGE. ROBERT OSBAND TOMPKINS, Klamath Falls, Ore. Filed Sept. 27, 1927. Serial No. 222,337. 8 Claims. (Cl. 143-168.)



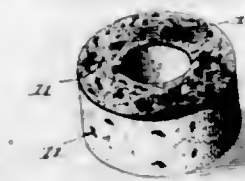
7. In a saw table gauge of the character described, a rotatable member provided with a series of spaced holes, an adjustable stop, bolts inserted in said holes removably securing the stop in place, said stop comprising a block and means for extending one end thereof, and means for rotating said rotatable member.

1,737,132. INSECTICIDAL COMPOSITION. WILLIAM R. VEAZEY, Cleveland Heights, Ohio, assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Feb. 21, 1923. Serial No. 620,498. 13 Claims. (Cl. 187-14.)

1. A composition of matter for insecticidal use comprising a substantially insoluble arsenical and a relatively small amount of a stable double cyanide of a metal of the iron group.

13. A composition of matter for insecticidal use comprising lead arsenate, and approximately one per cent by weight of a mixture of an alkali-metal ferrocyanide and a relatively insoluble ferrocyanide, the former being slightly in excess of the latter.

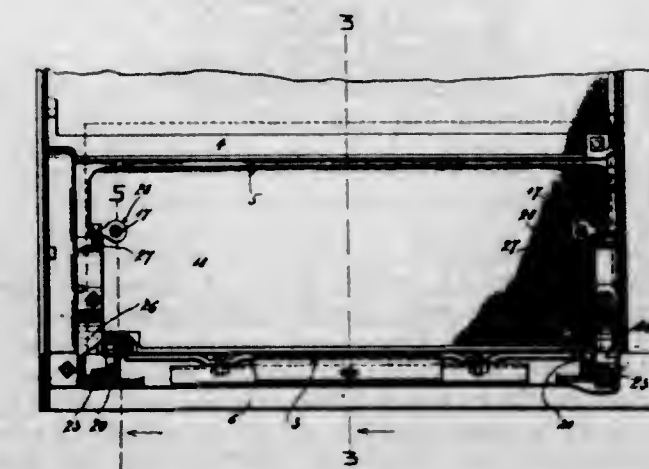
1,737,133. RUBBER-FIBER ARTICLE AND PROCESS OF MAKING THE SAME. WILLIAM B. WESCOTT, Boston, Mass., assignor to Rubber Latex Research Corporation, Boston, Mass., a Corporation of Massachusetts. Filed July 12, 1927. Serial No. 205,256. 11 Claims. (Cl. 18-55.)



1. The method of making molded articles of rubber and fiber which comprises preparing a mass of fibers in the form of cords having a length of substantially 0.50 to 1.5 inches, saturating the mass with rubber latex containing a coagulable proteid as a protective colloid to enable such saturating, shaping the wet mass in a form similar to that of the article finally desired, drying the shaped article, compressing the article, and curing the article.

11. As a new article, a rubber bonded resilient wheel adapted to withstand high compression without deformation and composed mainly of relatively short lengths of twisted cord carrying rubber, said cord being bonded by an integral mass of vulcanized rubber derived from latex permeating said cord, said latex containing a coagulable proteid enabling permeation and forming part of the final bond, the bonding rubber carrying isolated included masses of old rubber from another source.

1,737,134. OVEN DOOR. SAMUEL A. WILDE, Taunton, Mass., assignor to Glenwood Range Company, Taunton, Mass., a Corporation of Massachusetts. Filed Feb. 28, 1928. Serial No. 257,641. 5 Claims. (Cl. 126-190.)

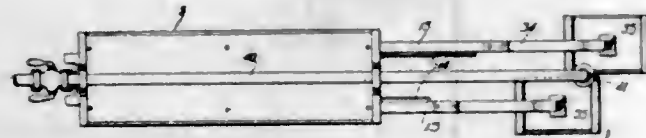


1. In an oven having top, side and bottom edge-forming plates framing the doorway of the oven, the combination therewith of an oven door closing against the top and side edge-forming plates above the bottom plate, arms on which the door turns projecting from the bottom of the door at the back with extension through the doorway and with bearing to turn on the edge of the bottom plate, lateral projections from said arms with extension to the back of the plates at the sides of the doorway, and stops with which said lateral projections have engagement for holding the door in place when turned to occupy an open position.

1,737,135. SANDING AND POLISHING MACHINE. CHRISTIAN J. WINFELDT, New Rochelle, N. Y. Filed Mar. 8, 1929. Serial No. 345,384. 2 Claims. (Cl. 51-110.)

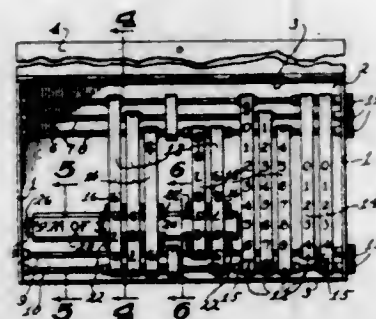
1. In a sanding and polishing machine of the class described, a frame unit, a pair of spaced parallel cylin-

ders associated with the frame and communicating with an air inlet passage and each having an outlet port, means whereby air may be directed into the passage, a pair of piston rods movable at their inner ends within the cylinders, sanding and polishing heads associated with the outer ends of the rods, means automatically operable by the reciprocation of the rods to cause the alternate pas-



sage of the air into the cylinders, said means consisting of a pair of valve rods movable in rod cylinders that communicate with the passages, a reversely rotatable gear associated with the frame, means between the gear and piston rods to rotate the gear in reverse directions, and means between the gear and valve rods to reciprocate said valve rods.

1,737,136. CHECK PROTECTOR. VICENTE S. ZAPANTA, San Francisco, Calif. Filed Aug. 27, 1928. Serial No. 302,317. 2 Claims. (Cl. 101-20.)

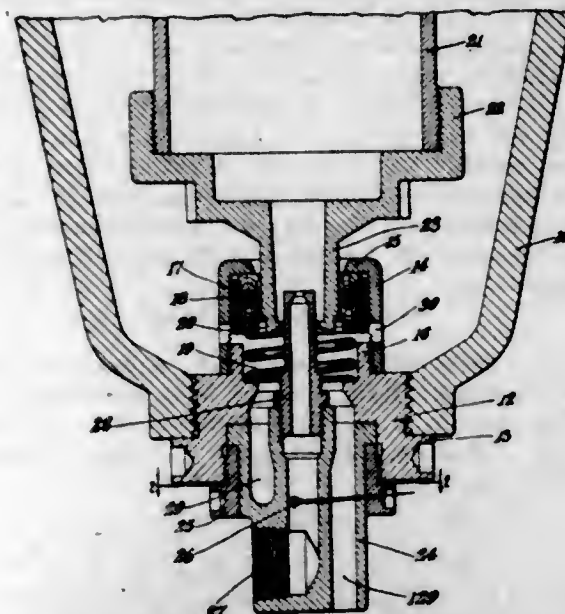


1. A check protector comprising a relatively flat casing provided with an opening in one of its walls, a group of endless metallic webs provided with numerals consecutively arranged on their outer surface, each numeral provided with perforating projections extending beyond the outer face of its web to outline the numeral, an anvil in rear of the opening and over which the web portions exposed through said opening lie, shafts within the casing for mounting the webs and independently operable to adjust the webs relatively to the opening to present the desired combination of numerals, an inking pad within the casing and with which the webs coact, and an impression block movable into said opening for carrying a portion of a check into contact with the printing and perforating webs exposed through said opening.

1,737,137. CENTRIFUGAL MACHINE. ARTHUR U. AYRES, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Feb. 15, 1928. Serial No. 254,437. 9 Claims. (Cl. 233-21.)

1. In a centrifugal machine, a casing having an aperture, a plug arranged in said aperture, a shell mounted on said plug and having an intumed flange, a guiding member in said shell and capable of limited lateral movement, a centrifugal bowl having a boss extending into said guiding member, and a helical spring arranged to press said guiding member into contact with said flange, said plug

having a central feed conduit communicating with said nozzle and an annular discharge conduit leading from



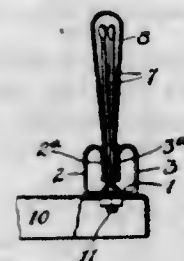
the space between said nozzle and said boss and opening to the exterior of said casing in the direction of the axis of said plug.

1,737,138. NARROW FABRIC LOOM. HERMAN BAADER, Mountainville, Salisbury Township, Lehigh County, Pa., assignor to Textile Patents Corporation, Allentown, Pa., a Corporation of Delaware. Filed June 24, 1927. Serial No. 201,092. 13 Claims. (Cl. 139-22.)



1. In a loom, the combination of a batten, a row of shuttles thereon reciprocable in a direction lengthwise of the row, a pair of members for each shuttle arranged to swing and in their swinging movement to reciprocate the shuttle, a reciprocable rod carrying means engaging the members to swing them, certain of the members for the shuttles crossing one another in the plane of the rod and at the point of crossing being engaged and swung by the same means, and means for reciprocating the rod.

1,737,139. MATCH-PACKAGE HOLDER. ROBERT N. BAYLIS, Caldwell, N. J., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J., a Corporation of Delaware. Filed June 5, 1928. Serial No. 283,098. 3 Claims. (Cl. 209-31.)

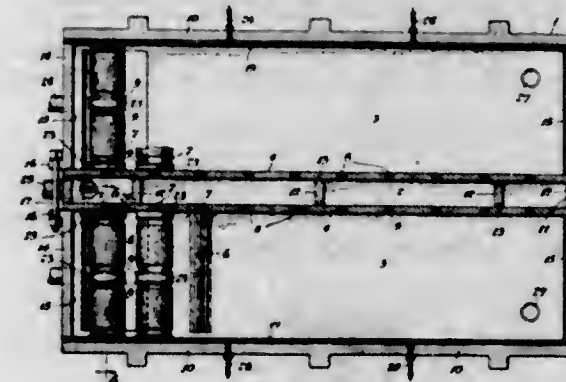


1. A holder for two different types of match packages comprising a yieldable plug element U-shaped in cross section, the sides of said holder being adapted to snugly fit within one end of one type of match package, the inner walls of said sides being adapted to snugly fit on the outside of another type of match package.

1,737,140. PROCESS FOR THE RECOVERY OF TIN AND ITS ASSOCIATED METALS FROM ALLOYS, MECHANICAL MIXTURES, AND ORES. FRANZ BISCHITZKY, Aussig-on-the-Elbe, Czechoslovakia. Filed May 25, 1926, Serial No. 111,641, and in Germany July 5, 1924. 8 Claims. (Cl. 23-98.)

4. The hereindescribed process of recovering tin and associated metals from alloys and mechanical mixtures which contain tin and which may or may not contain iron, consisting in treating such alloys and mixtures with a hot solution containing predetermined amounts of hydrochloric acid and of a non-oxidizing soluble salt of a strong acid to form a solution of stannous chloride, continuously enriching the solution with fresh hydrochloric acid, and permitting the enriched solution to act repeatedly on fresh metal.

1,737,141. DYEING MACHINE OR THE LIKE. JULIUS BRENZINGER, Fairfield, Conn., assignor to The Max Am Chemical Engineering Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 23, 1928. Serial No. 264,235. 7 Claims. (Cl. 8-19.)



3. A material carrier for dyeing machines or the like, having a central manifold chamber and two bobbin chambers one on each side of the manifold chamber, a central core in the manifold chamber, inner side walls adjacent the core, end walls on the outer sides of both inner walls, means to secure end walls adjacent opposite inner walls together to thereby clamp the inner walls against the core, and releasable outer side walls.

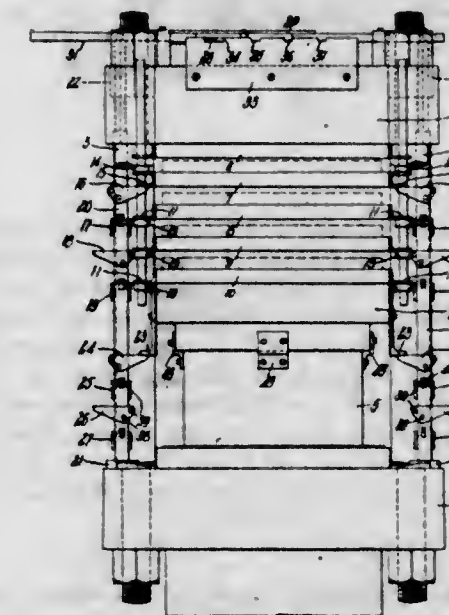
1,737,142. HEATING DEVICE. LUTHER S. BROWN, Fresno, Calif. Filed July 18, 1927. Serial No. 206,767. 8 Claims. (Cl. 126-90.)



2. A floor furnace having outer and inner inclosing casings spaced to form air inlets; a plurality of heat chambers mounted within said inner casing in spaced relation and having burners mounted in their lower ends,

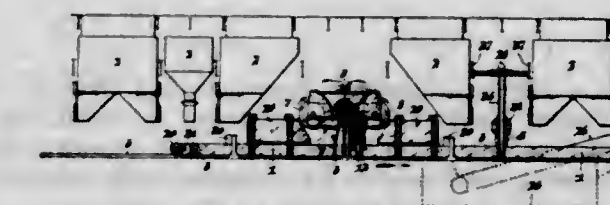
each of said heat chambers being closed at its lower end and having its upper end connected to the upper end of an outlet drum, the upper portion of each of said heat chambers being narrowed to retard the passage of heat there-through and a flut outlet from the lower end of said outlet drum.

1,737,143. PLATEN PRESS. LAURENCE H. BURNHAM, Lexington, Mass., assignor, by mesne assignments, to Hood Rubber Company Inc., Watertown, Mass., a Corporation of Massachusetts. Filed Nov. 8, 1927. Serial No. 231,968. 7 Claims. (Cl. 18-17.)



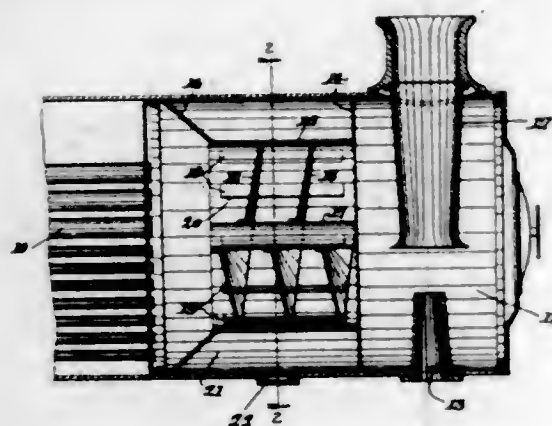
6. The combination in a press of the character described of a thrust sustaining member, a ram, a plurality of interposed press members, including a platen base, means slidably connecting said press members, said means including stops for limiting the amount of separation of the pressing members, the uppermost of said pressing members and said platen base each having brackets projecting therefrom, vertical rock shafts having radially positioned abutments arranged at different elevations, gears at the upper ends of said shafts, a reciprocating bar having racks engaging said gears, and means to operate said bar to move said abutments into position to engage the brackets of said upper platen member and platen base.

1,737,144. SAND-RECONDITIONING MACHINE FOR FOUNDRY ART. LOUIS A. CAMEROTA, Burlington, N. J., assignor to Walter Wood, Philadelphia, Pa. Filed June 5, 1928. Serial No. 282,910. 7 Claims. (Cl. 259-144.)



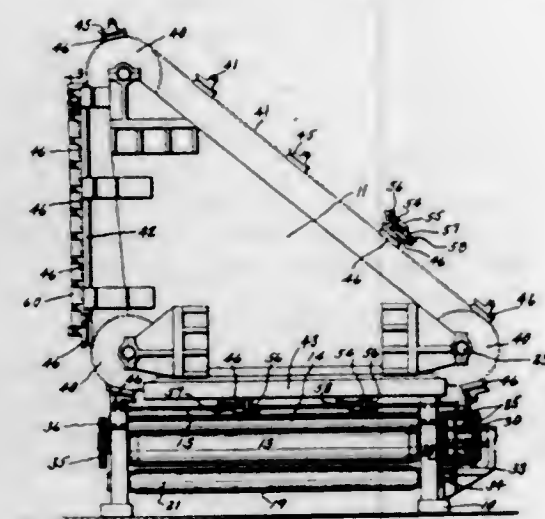
1. A sand reconditioning machine of the class described, comprising a movable table carrying the sand to be reconditioned, a number of interchangeable cutting cylinders positioned above said table and independently thereof, means for revolving said cylinders, and means for reciprocating said table beneath said cutting cylinders whereby the sand is reconditioned.

1,737,145. SPARK ARRESTER. GUY CARPENTER, New York, N. Y. Filed Apr. 22, 1924. Serial No. 708,140. 1 Claim. (Cl. 230-97.)



In a spark arrester for locomotive engines employing a fire chamber; a smoke chamber; a transverse partition, provided with a central opening, mounted in the smoke chamber; a smoke stack, a cylinder fitted in the opening of the partition and extending rearwardly therefrom, there being openings in the wall of said cylinder; a helicoidally formed member fitted in said cylinder; baffles secured to the inner wall of said cylinder, a baffle being adjacent each of the openings in the wall of the cylinder and an exhaust jet in the smoke chamber positioned below the smoke stack.

1,737,146. BIAS CUTTER. MARTIN CASTRUCUM, Springfield, Mass., assignor to The Flisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 12, 1928. Serial No. 260,930. 9 Claims. (Cl. 184-73.)

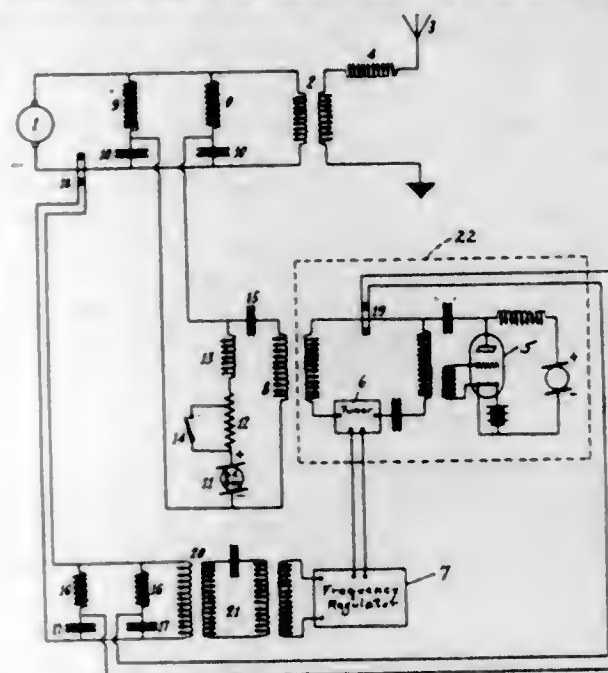


1. A bias cutter comprising fabric feeding devices, a cutter conveyor traveling across the fabric in timed relation to the speed of said feeding devices, a plurality of cutting elements and means for coupling said elements successively and in timed sequence to the conveyor.

1,737,147. FREQUENCY REGULATION. HENRI CHIREIX, Paris, France. Filed Nov. 10, 1924. Serial No. 748,884, and in France Dec. 13, 1923. 10 Claims. (Cl. 177-352.)

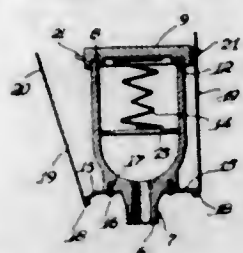
1. A circuit arrangement comprising an alternator, means for modulating the output thereof, a circuit tuned to one frequency component of the modulated output and

means associated with the modulating means and with the alternator output for controlling the frequency of said



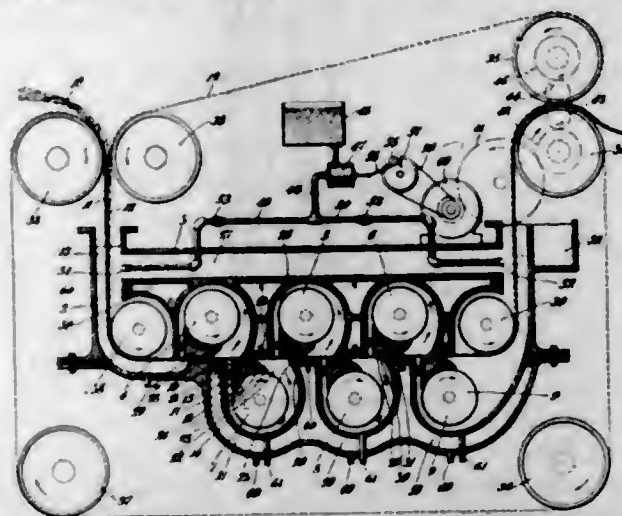
modulating means to maintain the frequency component constant in spite of any variation in the alternator frequency.

1,737,148. GREASE CUP AND CLOSURE. GRADY T. CHURCH, Smackover, Ark. Filed Sept. 2, 1925. Serial No. 53,978. 2 Claims. (Cl. 220-55.)



1. In a receptacle, in combination, a body having an open end, a removable closure for said open end provided with a lateral projection, means for retaining said closure including a spring supported pivotally mounted arm having a portion for engagement over said projection, said spring mounted arm acting in a direction to tend to move said closure toward the receptacle.

1,737,149. MACHINE FOR AND METHOD OF DYEING CLOTH AND OTHERWISE TREATING TEXTILES. WALLACE P. COHOE, Riverdale-on-Hudson, N. Y., assignor to Cohoe Processes, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 12, 1927. Serial No. 183,035. 60 Claims. (Cl. 8-19.)

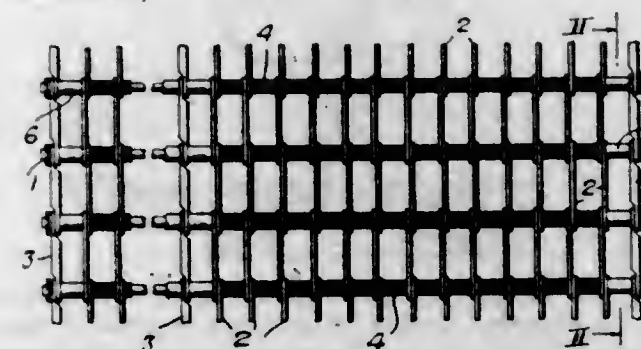


1. In a method of treating a textile with a fluid the steps which include passing the textile between two rolls

in contact with the fluid and revolving the rolls at such rates of speed and at such directions that they cooperate to create a stream of fluid passing through the textile.

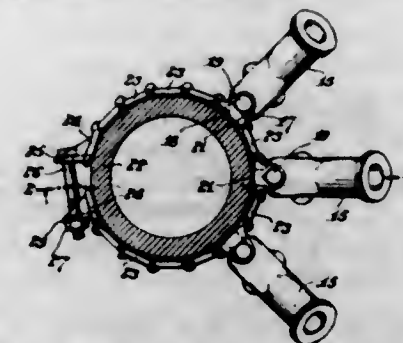
26. A machine for treating a textile with a fluid including a fluid container, two rolls within the container adapted to contact with the fluid, means adapted to pass the textile between the rolls, and means adapted to rotate the rolls at such rates of speed and at such directions that said rolls cooperate in creating a stream of fluid through the textile.

1,737,150. CONVEYER BELT FOR WASHING MACHINES AND THE LIKE. PATRICK HENRY DAVIS, Leonia, N. J. Filed Oct. 27, 1928. Serial No. 315,407, and in Great Britain Aug. 21, 1928. 6 Claims. (Cl. 198-193.)



1. A travelling conveyor belt for a machine of the character described comprising a series of transverse rods, a series of soft links carried by said rods, and spring spacing devices interposed between said links.

1,737,151. HOLDING DEVICE. GEORGE H. DERBYSHIRE, Germantown, Pa. Filed June 15, 1926. Serial No. 116,124. 1 Claim. (Cl. 238-37.)



A flag holder comprising in combination with a stationary support, a tubular socket member having a shank, a chain formed of a number of separable links, means for disengageably securing said shank directly to a link, and means comprising a threaded element for securing under variable tension a terminal link of the chain for securing the chain in fixed relation in respect to the stationary support.

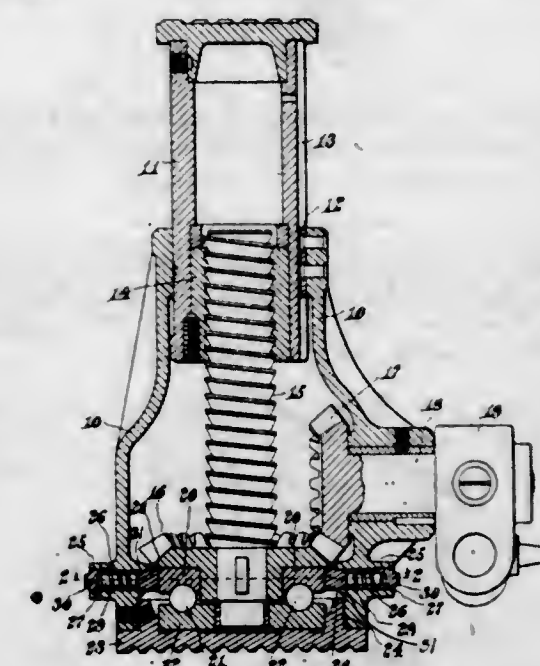
1,737,152. HAIR-CURLING FORM. DENNIS E. EVANS, Hobart, Okla., assignor of seven-twentieths to Ernest Ellwanger, Hobart, Okla. Filed Jan. 15, 1929. Serial No. 332,579. 3 Claims. (Cl. 132-33.)



1. As a new product of manufacture, a hair curling form of the class described comprising a hollow elongated tubular

lar core member having tapered ends, a rod member mounted in said first named tubular core member for sliding and rotation, one end of the rod member being of flat spaced formation, and the opposite end being longitudinally bifurcated to provide retaining furcations, the extremities of the furcations being bevelled toward each other to provide an entrance notch to facilitate attachment of the hair thereto.

1,737,153. SAFETY DEVICE FOR SCREW JACKS. FRANK L. GORMLEY, Chicago, Ill., assignor to The Buda Company, Harvey, Ill., a Corporation of Illinois. Filed Jan. 6, 1928. Serial No. 244,860. 9 Claims. (Cl. 254-103.)



1. In a lifting jack including a casing, a vertically movable standard, and a rotatable member within the casing for moving said standard; a cylindrical plate rotatable with said member; shoes on opposite sides of said plate; and means supported by said casing for forcing said shoes into frictional contact with the periphery of said plate and preventing its rotation under normal conditions.

1,737,154. BOAT. BERTRON G. HARLEY, Chesapeake City, Md., assignor of forty-nine one-hundredths to James E. Walls, Middletown, Del. Filed Feb. 6, 1928. Serial No. 252,225. 3 Claims. (Cl. 115-41.)

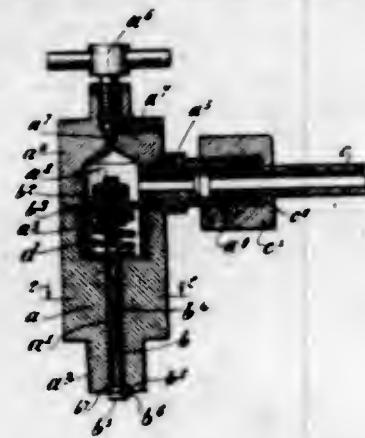


3. In combination, a boat hull, a motor receiving compartment therein located intermediate the ends and open at the bottom and of less width than the hull, the bottom of the hull forward of said wall having a surface portion inclining downwardly towards the front wall of the well, said inclined portion being of substantially the same width as the well.

1,737,155. FUEL INJECTOR. EDWARD R. HEWITT, Midvale, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 28, 1927. Serial No. 202,059. 2 Claims. (Cl. 299-125.)

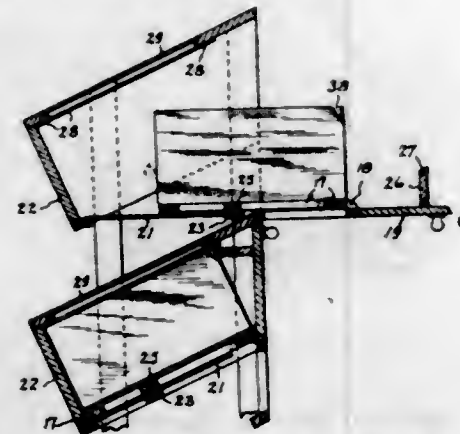
1. In a device for spraying fluids, a casing having a nozzle in the shape of a truncated cone of outward lateral slant, a plunger movable in the casing, a truncated conical extension on the plunger, said extension being positioned to seat against the nozzle and being of appreciably less outward lateral slant than said nozzle, whereby a line contact between these will result when the extension is

seated and an outwardly enlarging passage for fluid will exist, and a prolongation on the extension, said prolonga-



tion having generally circular cross-section and an upward lateral slant of from zero degrees upwards but less than that of the extension.

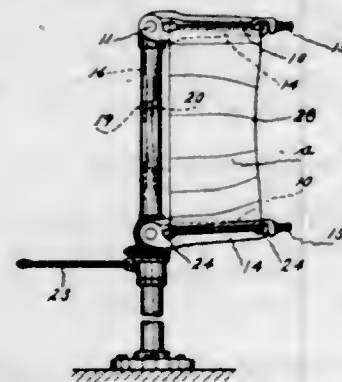
1,737,156. VENDING DISPLAY CABINET AND CONTAINER FOR SAID CABINET. HAROLD CURTIS HODGKINS, Portland, Oreg. Filed Apr. 2, 1925. Serial No. 20,138. 9 Claims. (Cl. 312-127.)



4. In combination with a vending display cabinet, a container operatively disposed in said cabinet, and a container engaging means in the form of a transversely disposed strip having rod eyelets and a raised rib member adapted to protrude into the bottom of said container.

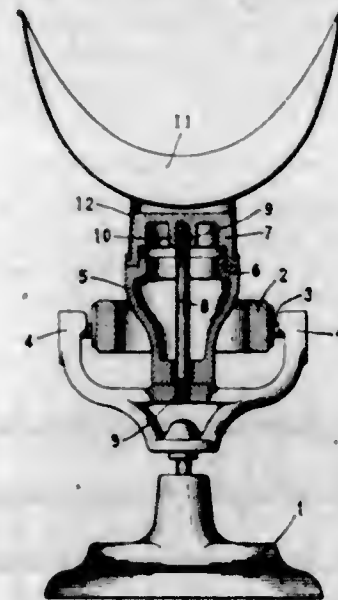
5. In combination with a vending display cabinet having a sealing strip along one end portion and a movable container supporting member having container engaging means, a container embodying a notch adapted to receive said sealing strip.

1,737,157. BAND-TURNING DEVICE. WILLIAM F. IRREGANG, Chicopee, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 8, 1926. Serial No. 121,250. 6 Claims. (Cl. 154-9.)



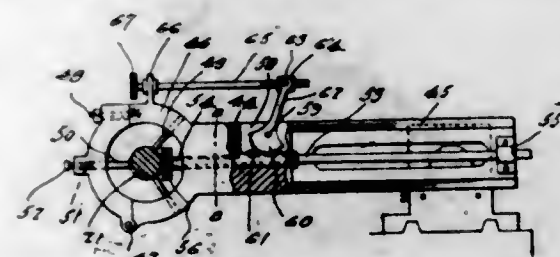
1. A band inverting device for use in the manufacture of tire casings having grasping devices positioned to hold the band at diametrically opposite points, said devices being constrained for movement in eccentric paths and in opposing directions.

1,737,158. PAN SUPPORT. AARON J. JACOBS, Brooklyn, N. Y., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 13, 1928. Serial No. 253,802. 4 Claims. (Cl. 265-27.)



1. A pan support for scales including, in combination, an article-receiving member, a mounting therefor, a collar forming a part of one of said elements and a collar-engaging member forming a part of the other of the same, said collar and collar-engaging member being formed with cooperating tapered surfaces.

1,737,159. CRANK-SHAFT-GRINDING MACHINE. JOHANNES JOHANNESSEN, Jersey City, N. J. Filed Mar. 31, 1928. Serial No. 266,206. 3 Claims. (Cl. 51-54.)



1. In a machine of the class described, a bed, a head stock and tail stock on the bed, means for adjustably mounting the tail stock, said head stock and said tail stock being provided with live center pins, a gear rotatable on the live center pin of the head stock, a lazy dog for driving the crank shaft from the gear, means for rotating the gear, a carriage reciprocally mounted on the bed, a guide rockable on the carriage, a holder slidable in the guide, a grinding element in the holder, means for associating the holder with the crank of the crank shaft to move therewith, a shaft journaled in the holder for operating said grinding element, and means for reciprocating the carriage through said gear rotating means.

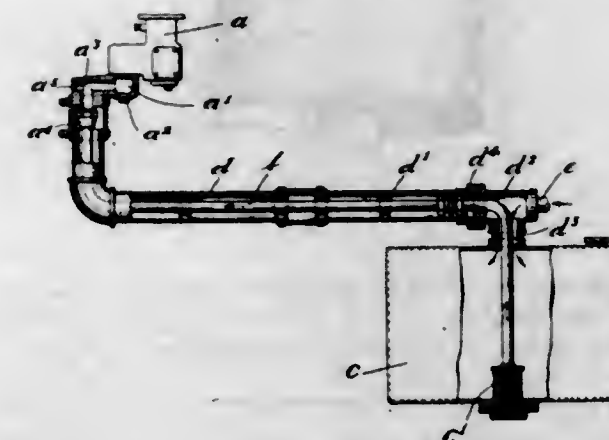
1,737,160. VEHICLE BODY MOUNTING. FORD JOHNSTON, Dallas, Tex. Filed Dec. 15, 1927. Serial No. 240,286. 3 Claims. (Cl. 296-35.)



1. In combination, a vehicle chassis, a vehicle body having an opening in its bottom, a member mounted on the

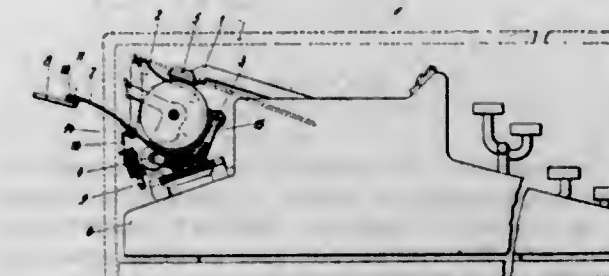
chassis having an upwardly bulged portion; a second member having a portion extending upwardly through the opening provided with a downwardly bulged portion adapted to seat upon that of the first member; means on the second member adapted to support the body; means for normally yieldably maintaining the bulged portions of the members centered; and means for normally yieldably maintaining the body parallel with the chassis.

1,737,161. GAS-LINE FEED. WILLIAM B. JUFF, Brooklyn, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 19, 1927. Serial No. 214,127. 1 Claim. (Cl. 137-78.)



In a system for withdrawing fluid from a supply container, the combination of a fluid carrying line, a pressure jacket surrounding said line and communicating with the container whereby the pressure may cause the flow of fluids through the line, and spiders having openings therein lengthwise of the pipe for transmitting pressure to the container, said spiders comprising homogeneous units formed entirely of yielding nonmetallic material and being interposed between the line and the jacket for yieldingly mounting the latter on the former.

1,737,162. PAPER-GUIDING ARRANGEMENT FOR TYPEWRITERS AND LIKE MACHINES. PAUL KAPLER, Dresden, Germany. Filed Nov. 4, 1927. Serial No. 231,008, and in Germany Dec. 24, 1926. 6 Claims. (Cl. 197-143.)

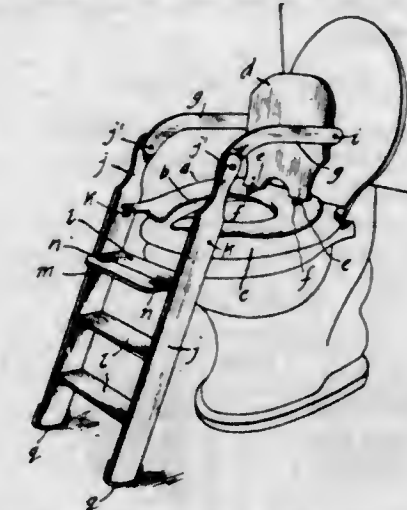


1. Paper guiding means for typewriters and like machines having a roller platen comprising, a curved paper guide plate, a paper rest hinged to the guide plate so as to be foldable against the rear of the platen and a paper holder hinged to the paper rest so as to be foldable downwardly and forwardly over the platen.

1,737,163. FOLDABLE CHILD'S COMBINED LADDER AND AUXILIARY TOILET SEAT. URRAN A. KEPINGER, Portland, Oreg. Filed Mar. 2, 1929. Serial No. 343,938. 2 Claims. (Cl. 4-239.)

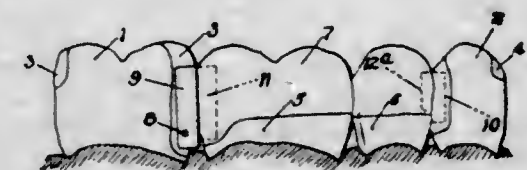
1. A foldable combined ladder and auxiliary toilet seat, comprising a ladder having a series of steps, an auxiliary toilet seat hinged at its front end to the upper end of said

ladder, the sides of the ladder extending above said toilet seat, a back hinged to the rear end of said toilet seat, arms pivotally secured at their opposite ends to the upper ends of the sides of the ladder and the sides of said back



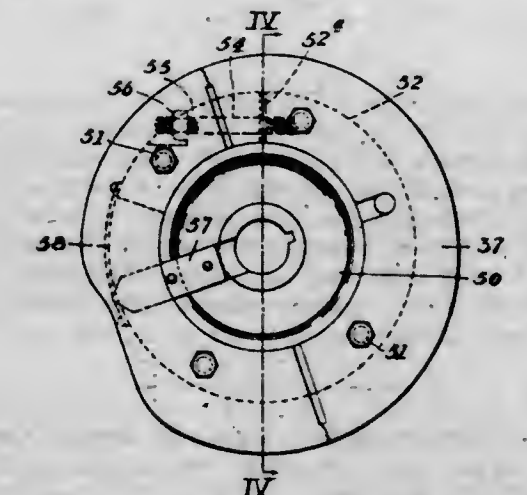
and the joints connecting the parts being adapted to permit the folding of the toilet seat and the back thereof in parallel relation, one over the other, against the rear side of the ladder.

1,737,164. DENTAL BRIDGE. MERVYN C. LASKY, Hollywood, Calif. Filed May 26, 1926. Serial No. 111,726. 3 Claims. (Cl. 32-12.)



1. In a dental bridge, the combination with two spaced apart stationary teeth, of restorations in the upper and side portions of said stationary teeth, a pair of separate recess members rigidly secured in said restorations in the sides of said stationary teeth and forming portions of the lateral outer sides of said restorations, a bridge member provided with laterally extended portions adapted to fit into said recess members and to move upwardly and downwardly therein, artificial teeth supported by said bridge member, said bridge member substantially abutting the outer sides of said recess members and screw means for securing one end of said bridge member in one of said recess members near the lower side thereof.

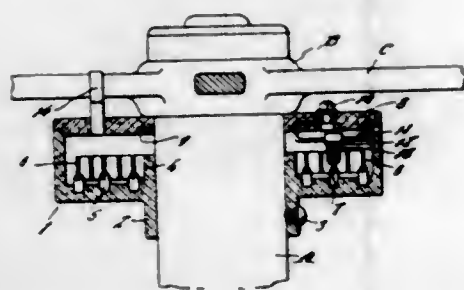
1,737,165. ADJUSTABLE CAM MECHANISM FOR GLASS-FEEDING APPARATUS. EDWARD H. LORENZ, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed May 11, 1926. Serial No. 108,231. 7 Claims. (Cl. 74-1.)



2. In a glass-feeding apparatus, a cam disc for operating a glass discharge-regulating implement, a driving

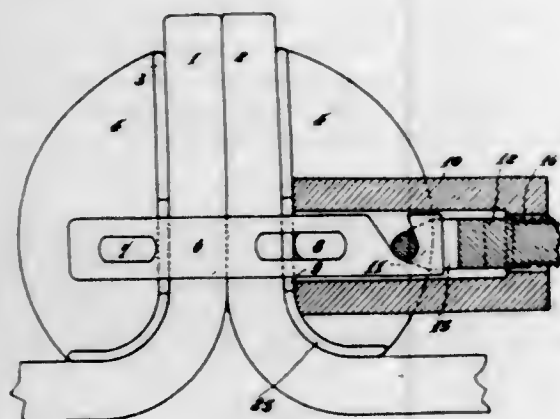
shaft for said disc, a hub carried by the shaft, a cam holder to which the cam disc is secured, and means for adjustably positioning the cam holder circumferentially of the hub for adjustment angularly about the axis of the shaft throughout the entire circumference of the shaft or any part thereof.

1,737,166. DIRECTION-SIGNAL SWITCH. DELOS A. MACE, Eureka, Calif. Filed May 8, 1928. Serial No. 276,158. 1 Claim. (Cl. 200—59.)



In a switch for automobile direction signals comprising an annular support arranged around the usual steering column of an automobile, a spiral contact strip arranged on said support, said strip being provided with an insert of insulating material adapted to divide said strip into a pair of conductors, and a discular plate carried by the usual steering wheel, a U-shaped member depending from the bottom side of the plate and being disposed transversely across the convolutions of the spiral strip, a contact brush slidably mounted on said member and being adapted to normally engage with the insulating insert, and for wiping relation with the spiral strip when the steering wheel is rotated.

1,737,167. BELT FASTENER. LOUIS MONTIGNY, Ghent, Belgium. Filed Sept. 22, 1928. Serial No. 307,731, and in Belgium Oct. 5, 1927. 7 Claims. (Cl. 24—37.)

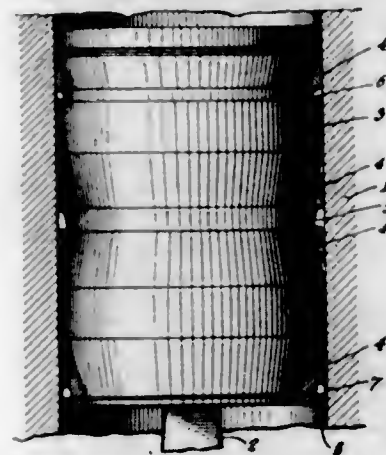


1. A belt fastening device, comprising in combination: a pair of adjacent belt ends, a succession of plate members supported on each of said belt ends, said plate members being arranged in opposite pairs, a single connecting link passing through the plate members of each pair, an elongated hole in each connecting link, two retaining bars passing through said hole and bearing respectively against the outer side of two opposite plates and a curved portion forming part of said plates to act as a guide for the belt.

1,737,168. PISTON RING. VIRGIL W. MORAY, New York, N. Y. Filed July 10, 1926. Serial No. 121,529. 2 Claims. (Cl. 74—109.)

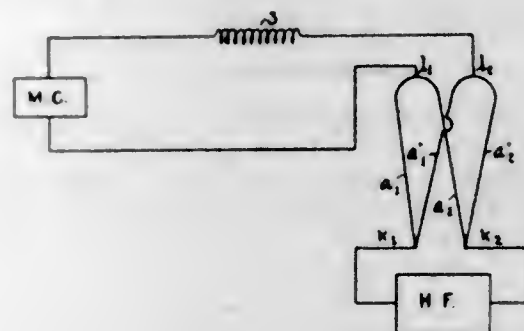
1. A piston comprising a body portion having a peripheral groove with an axially inclined surface, a wedge-

shaped piston ring seated in said groove, and a bowed spring extending around the piston and adapted for co-



operation with the end of the piston ring for urging said ring up the inclined surface, said spring acting uniformly on the piston ring around the periphery thereof.

1,737,169. CONTROLLING MEANS ON CURRENT CONDUCTORS FOR HIGH-FREQUENCY PURPOSES. MENDEL OSNOS, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Oct. 23, 1925, Serial No. 64,338, and in Germany Oct. 29, 1924. 4 Claims. (Cl. 179—171.)



1. An arrangement for modulating high frequency currents which comprises, a source of modulating control current, a conductor having a magnetic material portion connected with said source, said conductor being arranged bifilar fashion with respect to said control current, whereby the inductance of said conductor due to stray fluxes produced by said control current is reduced, and a controlled high frequency current connected with said conductor and adapted to be modulated by variations in magnetic saturation produced in said conductor by means of said control modulating current.

1,737,170. FEEDING DEVICE FOR RETORTS. RICHARD B. PARKER, Skaneateles, N. Y., assignor to Samuel E. Darby, trustee, New York, N. Y. Filed Dec. 14, 1926. Serial No. 154,696. 2 Claims. (Cl. 214—35.)

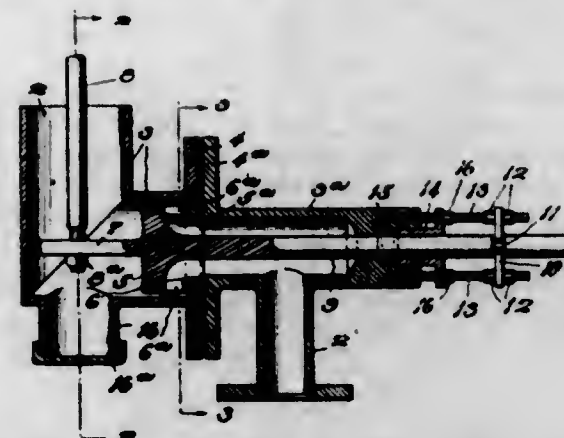
1. In a retort feeding device the combination with a retort of double hoppers having valves therein, pistons and cylinders for operating the valves said cylinders being arranged in vertical alignment, a hollow piston rod con-

necting one of said valves to one of the pistons and a solid connecting rod connecting another of said valves



with another piston said valves being independently operable in both directions by their corresponding pistons and cylinders.

1,737,171. LIQUID-CONTROL MECHANISM. RALPH MONROE PARSONS, Amagansett, N. Y., assignor to William G. Leamon, New York, N. Y. Filed Mar. 2, 1928. Serial No. 258,667. 6 Claims. (Cl. 137—104.)



1. Liquid control mechanism comprising, in combination, a liquid container, a conduit through which liquid may flow to or from said container, a valve member and a seat therefor located in said conduit, a float in said liquid container, and a float arm passing longitudinally through an end of said conduit and connecting said float to said valve member to actuate the same, said arm being rigidly secured to said valve member.

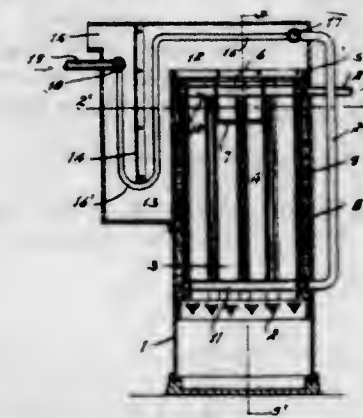
1,737,172. METHOD OF MAKING DENTAL CROWNS. JACOB P'ETRY, Pittsburgh, Pa. Original application filed Apr. 8, 1927, Serial No. 181,982. Divided and this application filed Apr. 23, 1929. Serial No. 357,413. 3 Claims. (Cl. 113—19.)



3. The method of forming flat or front dental crowns, which comprises forcing an elliptical cartridge through progressively smaller perforations, by a series of plungers

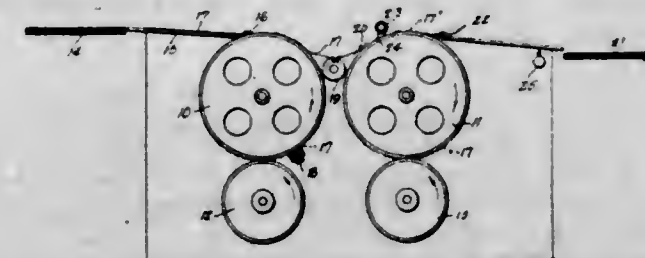
that are successively of smaller diameter in one direction and each more closely conforming to the cross sectional contour of a front tooth, to thereby gradually diminish the smaller diameter of the crown, compressing the closed end of the cartridge on its smaller diameter to increase the length and sharpness of the cutting edge, compressing the cartridge on its longer diameter at its open end, and expanding the cartridge by fluid pressure, within a die, to give it the natural contour of a tooth.

1,737,173. FURNACE. GEORGE ROBERT PRATT, Winnipeg, Manitoba, Canada. Filed July 3, 1926. Serial No. 120,399. 4 Claims. (Cl. 122—332.)



1. The combination with the main combustion chamber of a water heating furnace, of a heating chamber superimposed on the combustion chamber and communicating therewith, said heating chamber being provided with a side extension having a divisional wall therein forming inner and outer connected legs, a header tube located in the upper part of the outer leg, a water inlet tube communicating with the header tube, water tubes located in the upper part of the heating chamber and extending in a U-shaped manner underneath the divisional wall and connected at their ends to the header tube, a header tube connecting the other ends of said latter tubes, a plurality of heating tubes contained in the combustion chamber and having their upper and lower ends interconnected, a water tube connecting the latter header tube to the lower ends of the latter tubes and an outlet tube communicating with the upper ends of the water tubes within the combustion chamber.

1,737,174. HOT-AIR BRUSH AND DRIER FOR PRINTING PRESSES. WILLIAM J. PRICE, Stamford, Conn. Filed July 11, 1928. Serial No. 291,921. 6 Claims. (Cl. 101—416.)

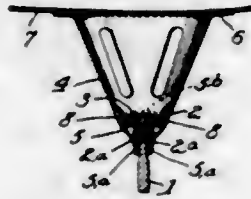


1. In a printing press, a plurality of impression cylinders for successive printings, a transfer roll between the cylinders, and separate means outside the transfer roll for directing a blast of heated air against the outer surface of the printed sheet after it leaves the transfer roll and goes onto the second cylinder.

1,737,175. SKATE. WILLIAM F. REACH, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Feb. 14, 1929. Serial No. 339,860. 5 Claims. (Cl. 208—167.)

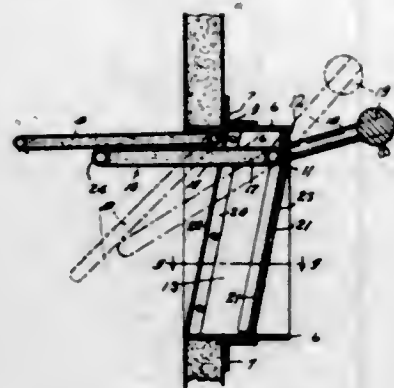
1. A skate comprising a runner, a substantially T shaped reinforcing bar of sheet metal extending along its

upper part having depending flanges embracing and attached to the said upper portion of the runner, and having its head portion provided with closely doubled walls forming lateral edges and substantially horizontal under



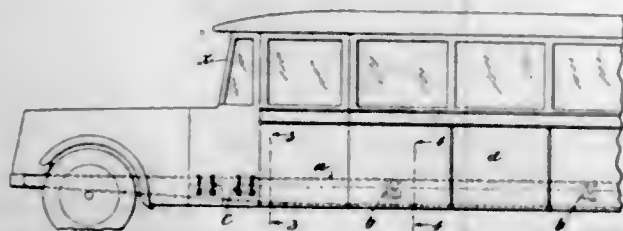
faces, and foot supports having sheet metal walls individually bent sharply about said edges and against said horizontal under faces, and with flanges sharply bent and lying against and affixed to the depending flanges of the reinforcing bar, substantially as described.

1,737,176. OVEN DOOR. ALLEN R. ROSS, Seattle, Wash. Filed Dec. 21, 1922. Serial No. 608,315. 15 Claims. (Cl. 107-65.)



12. An oven door structure comprising a door frame, an inner and an outer door pivotally supported in said door frame, and means for positively swinging one of said doors from open to closed position, or the reverse, the other door being positioned to be contacted by the first door as the latter swings open to be moved into fully open position thereby, and to swing shut by gravity as the first door moves towards closed position.

1,737,177. MOUNTING FOR BUS BODIES. GORDON M. SCHANTZ, Allentown, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 24, 1928. Serial No. 249,021. 2 Claims. (Cl. 296-35.)



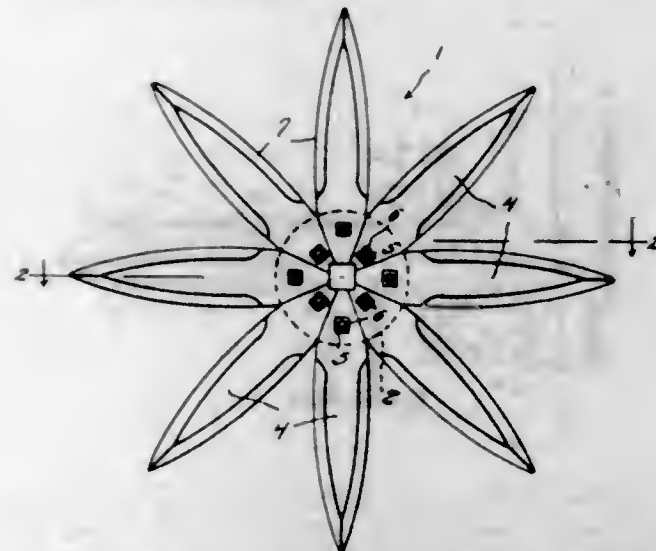
1. In a motor vehicle, a frame element, a body element, laterally extending supporting arms on each side of the vehicle rigidly carried with one of the elements, rigid connections between the other element and at least two of said supporting arms on each side of the vehicle, and means to fasten positively but non-rigidly the last named element to the remainder of said supporting arms, comprising yielding non-metallic material operatively interposed therebetween to absorb and cushion shocks and stresses transmitted between the chassis frame and the body.

1,737,178. BOOK SUPPORT. CHARLES R. SCHENKEN, Washington, D. C. Filed Feb. 20, 1928. Serial No. 255,777. 2 Claims. (Cl. 129-38.)



1. An attachment for a book comprising an elongated metallic strip, a second elongated metallic strip, a rod, means formed with the first mentioned strip and having an opening therein to slidably receive one end of said rod, means formed with the last mentioned end of said rod to limit the longitudinal movement thereof with respect to said means, latch means on the opposite end of said rod, means formed with the second mentioned strip for latchably receiving said latch means, means for securing the first mentioned strip to a cover for the book, and said second mentioned strip being slidably mounted for longitudinal adjustment on the first mentioned strip to adjust the attachment to books of various sizes and to allow for the application and removal of the rod for insertion and removal of the book.

1,737,179. ROTARY PICK PLOW. ELI ROY SEITZ, Sterling, Kans. Filed Jan. 28, 1928. Serial No. 250,123. 1 Claim. (Cl. 97-212.)

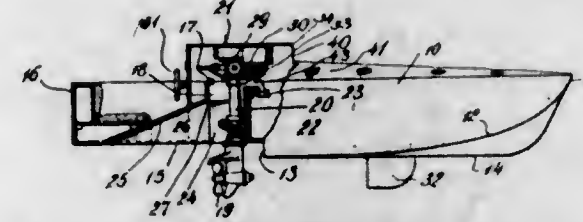


In a rotary pick plow of the class described, a disk, a series of radially disposed blades, the inner end portion of each blade being tapered, each of said blades being curved longitudinally from the tapered inner end portion thereof to its outer end, the curved edges of each blade being curved and sharpened, the tapered inner ends of the blades being tapered transversely and disposed in edge to edge relation, said blades being secured to the disks at their inner end portions, certain of said blades having their inner ends notched to form the corners for a square opening, the sides of which are formed by the evenly cut inner ends of the remaining blades.

1,737,180. SPEED BOAT. WILFRED E. WILLIS, Teaneck, N. J., assignor to James E. Walls, Middletown, Del. Filed Sept. 1, 1927. Serial No. 216,825. 3 Claims. (Cl. 115-41.)

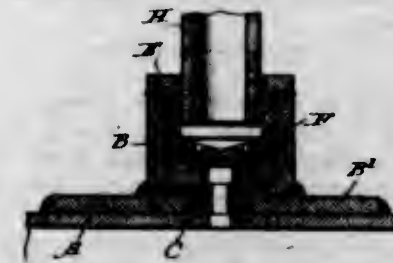
3. A boat having a bottom comprising a plurality of downwardly and rearwardly inclined hydroplane members

arranged longitudinally thereof and having a step forming air pocket joining one of said members with the member adjacent thereto, and a well extending upwardly from the bottom of the boat adjacent said air pocket, said



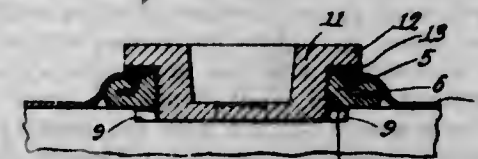
well having a substantially flat front wall for clamping a removable propelling motor thereto, and said well being open at the top for admitting air in the rear of said pocket.

1,737,181. METHOD AND MEANS FOR REPAIRING LEAKS IN PIPE LINES. FRANK N. WOODWARD, Coal City, Ind. Filed Mar. 24, 1927. Serial No. 178,101. 9 Claims. (Cl. 137-99.)



1. As a means for repairing leaks in a pipe-line and salvaging defective pipe, a patch comprising a metal plate conforming to the shape of the pipe and having an opening therein in which is fitted a compressible body having a hole therethrough and a shut-off valve mounted on the plate with an inlet to the valve chamber arranged over the hole in said body; said plate being adapted to be welded to the pipe overlying the leak, means for clamping said metal plate against the pipe, and means for establishing a fluid-passage-connection between said compressible body and a drainage pipe; the latter means consisting of a valve-controlled pipe-section provided with means for connecting one end thereof with the drainage pipe, the other end being provided with a nipple adapted to be removably inserted in the valve chamber, and means within the valve chamber whereby the valve may be closed after the nipple is removed.

1,737,182. BUNG. WILLIAM M. BELL, Portsmouth, Ohio. Filed Nov. 30, 1928. Serial No. 322,833. 1 Claim. (Cl. 220-39.)

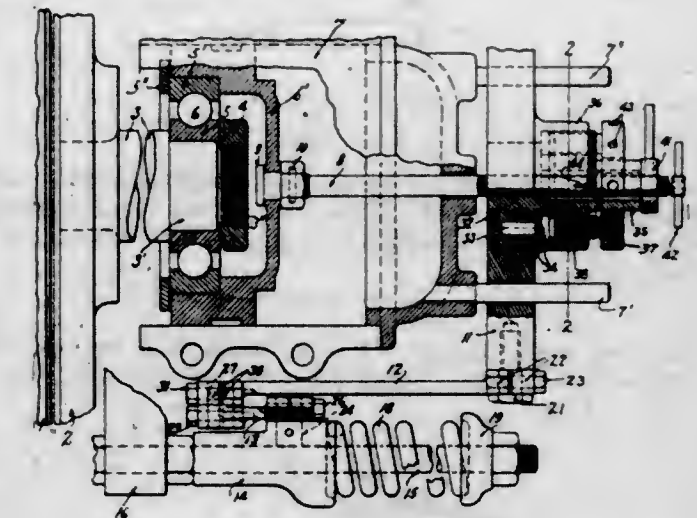


In a sput, a body portion having a slot formed in the upper surface thereof, the opposed walls of the slot being corrugated and parallel, said slot adapted to receive the edge of a filling opening of a drum, the corrugated walls of the slot being forced into close engagement with the drum to lock the sput to the drum, and a plug fitted in the sput.

1,737,183. ATTRITION MILL. EDWARD M. BRENNAN and ALLAN P. DANIEL, Springfield, Ohio, assignors to The Bauer Brothers Company, Springfield, Ohio, a Corporation of Ohio. Filed Mar. 8, 1928. Serial No. 260,137. 9 Claims. (Cl. 83-8.)

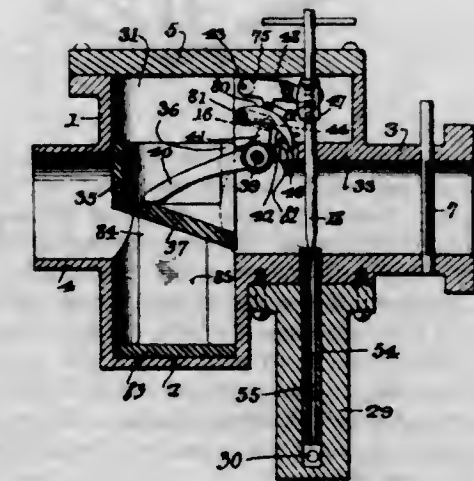
1. An element capable of axial movement, an axially-movable non-rotatable member connected therewith, a

normally immovable member, said members having threads of different pitch, and a rotatable member interposed between the non-rotatable and normally immovable members



and provided with internal and external threads for engaging the threads of the non-rotatable and normally immovable members.

1,737,184. CARBURETOR. ALVIN J. BRIGHT, Christiansburg, Ohio. Filed Nov. 28, 1925. Serial No. 72,016. 1 Claim. (Cl. 261-50.)



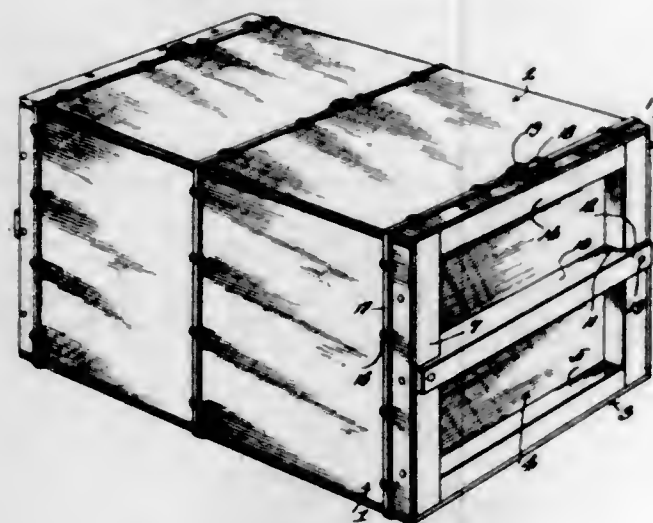
A carburetor including a body having a fuel inlet, a first valve controlling the fuel inlet, an air inlet for the body, the body being provided with an outlet for the fuel mixture, a second valve mounted between the air inlet and the outlet, for right-line reciprocation and including an inclined portion, a shaft mounted to rock in the body, the shaft being provided with an eccentric, a first lever mounted pivotally on the eccentric, a second lever fulcrumed on the body and slidably engaged with the inclined portion of the second valve, to be actuated thereby, a cam member engaged between the levers, means for operating the shaft to tilt the first lever on the cam member, a second shaft mounted to rock in the body, an arm on the second shaft, the cam member being pivoted to the arm, means for rocking the second shaft, and mechanism for connecting the first lever and the first valve pivotally, the said mechanism including means for adjusting the first valve with regard to the fuel inlet, independently of the first lever, the inclined portion of the second valve being so placed that air passing from the air inlet to the outlet will engage said inclined portion and operate the second valve.

1,737,185. NAIL. ROBERT H. BUCK, Alameda, Calif. Filed Dec. 13, 1926. Serial No. 154,362. 3 Claims. (Cl. 72-118.)



1. A nail comprising a shank, and a relatively thin head mounted perpendicularly on the end of said shank, peripheral portions only of said head being turned toward said shank.

1,737,186. BOX. WILLIAM H. CHAMPLIN, Rochester, N. H. Filed Mar. 6, 1928. Serial No. 259,574. 8 Claims. (Cl. 217-12.)



3. In a box structure of the class described, a bottom, side walls, and end walls, cleats upon the bottom having dovetail tenons, cleats upon the side walls having dovetail mortises fitting the tenons, the interfitting of the tenons and mortises constituting means for restraining the side walls from upward displacement and from endwise displacement, and the engagement of the cleats serving to prevent inward displacement of said side walls, and coating means upon the side walls and end walls restraining the side walls against outward displacement and the end walls against outward, inward, and upward displacement with respect to the side walls.

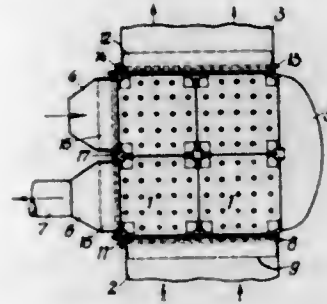
1,737,187. MOISTUREPROOF MATERIAL. WILLIAM HALE CHARCH and KARL EDWIN PRINDLE, Buffalo, N. Y., assignors, by mesne assignments, to Du Pont Cellophane Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 3, 1927. Serial No. 158,816. 17 Claims. (Cl. 91-68.)

1. An article of manufacture comprising a sheet or film of regenerated cellulose combined with a moistureproofing composition.

1,737,188. METHOD OF PRECOOKING PASTE IN DRY CELLS. LAUCHLIN M. CURRIE, Lakewood, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Aug. 29, 1927. Serial No. 216,329. 7 Claims. (Cl. 136-175.)

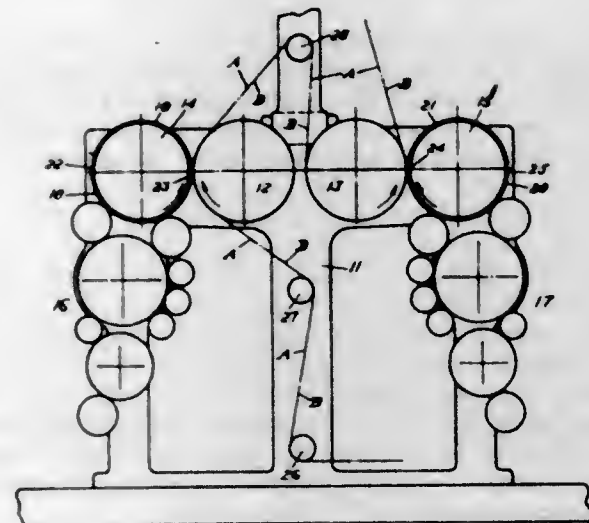
1. A method of forming a paste lining on a dry cell zinc electrode which consists in placing a predetermined amount of raw paste within said electrode and distributing said raw paste uniformly thereon by insertion of a bobbin shaped plunger of inert material into said electrode, and applying heat to cook the paste.

1,737,189. HEAT EXCHANGER. EUGEN HABER, Berlin-Charlottenburg, Germany. Filed Nov. 11, 1924, Serial No. 749,284, and in Germany Oct. 31, 1923. 3 Claims. (Cl. 257-245.)



1. A heat exchanging device consisting of a group of elements inserted in the path of the heating medium, means for throttling the heating medium at the entrance and at the exit in order to regulate the cross section of passages, means for throttling the cooling medium at the entrance and at the exit in order to regulate the cross section of passage, and auxiliary means for coupling said throttling means in pairs.

1,737,190. PERFECTING PRESS. JOHN J. HALLIWELL, Tuckahoe, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 9, 1926. Serial No. 153,578. 2 Claims. (Cl. 101-220.)

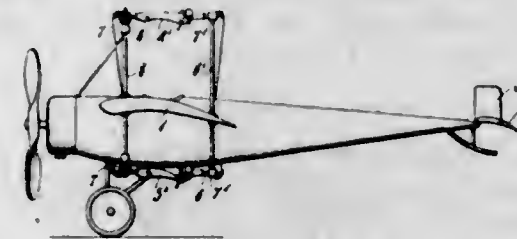


1. In a web perfecting printing press, the following elements and members in combination: A frame; a printing couple supported in said frame and adapted to print on one side of a web of paper; another printing couple supported in said frame, having its impression cylinder adjacent but not in contact with the impression cylinder of the first-mentioned couple, and adapted to print on the other side of said web in register with the printing on the side first printed when the web is led directly from the side first printed when the web is led directly from the first-mentioned couple to the second-mentioned couple; and a roll so positioned that when the web is led first to the second-mentioned printing couple and one side of said web printed thereby, thence led to said roll and thence led to the first-mentioned printing couple and the other side of said web printed thereby, the second impression will register with the first impression.

1,737,191. METHOD OF EFFECTING SOARING FLIGHTS AND AEROPLANE THEREFOR. ARTHUR HALSTED, Clarendon, Va. Filed May 26, 1921, Serial No. 472,783. Renewed Apr. 18, 1929. 21 Claims. (Cl. 244-12.)

4. The process of maneuvering an aeroplane provided with a sail area in a wind current which consists in posi-

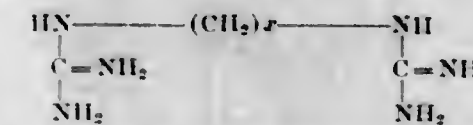
tioning the sail area to produce a forward thrust on the aeroplane during entrainment of the aeroplane in the wind current and in positioning the sail area to produce a force



which will transform kinetic energy due to drift velocity into potential energy during the detraining of the aeroplane from the wind.

1,737,192. DIGUANIDINE. MYRON HEYN, Breslau, Germany, assignor, by mesne assignments, to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Filed July 16, 1926. Serial No. 123,009, and in Germany Aug. 4, 1925. 2 Claims. (Cl. 260-125.)

1. As new products, polymethylene diguanidines having the formula:



wherein x is a whole number above 5, the products being decomposed by concentrated caustic alkali under development of ammonia, being incapable of being distilled and forming crystallized salts, the picrates being soluble only with great difficulty.

1,737,193. EXPANSION REAMER. LEO J. LOEFFELMAN, St. Louis, Mo. Filed Dec. 30, 1927. Serial No. 243,672. 2 Claims. (Cl. 77-75.5.)

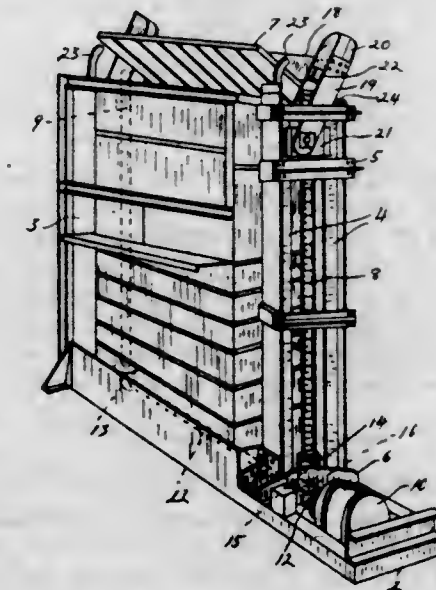


1. A tool of the character specified comprising a body having a shoulder, a sleeve rotatable on the body and limited in one direction by said shoulder, a screw threaded into a side of the body and having an eccentric portion in engagement with the sleeve to limit its movement in the opposite direction and to hold the sleeve in adjusted position by a binding action when the said screw is turned, and cutters slidably mounted upon the body and having screw-thread engagement with the said sleeve to be moved thereby.

1,737,194. BALING PRESS. JOHN H. McLEMAN, Ann Arbor, Mich., assignor to Economy Baler Company, Ann Arbor, Mich., a Corporation of Michigan. Filed Oct. 2, 1922. Serial No. 591,944. 3 Claims. (Cl. 100-8.)

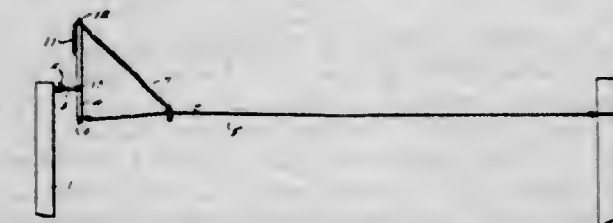
1. In a baling press, the combination with a base, of a chamber upon said base, a platen movable within said

chamber and also transversely thereof, rotatable screws at opposite ends of said chamber for raising and lowering said platen, longitudinally spaced shoulders upon said screws, and means secured to said base and located between said shoulders for limiting the longitudinal movement of said screws in opposite directions, said means including an anti-friction bearing.



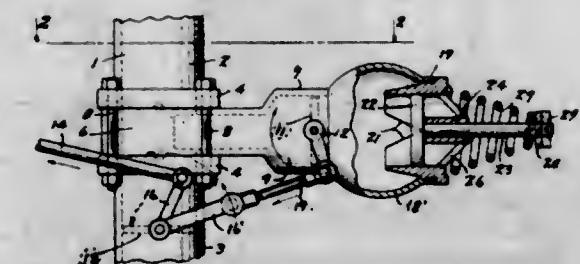
3. In a baling press, the combination with a chamber having an open upper end, of a platen movable transversely of said chamber beyond said open end and also movable within said chamber, and means for actuating said platen comprising screws and connecting rods between said screws and platen, and anti-friction means engageable with said connecting rods when said platen is in a transverse position of adjustment.

1,737,195. CLOTHESLINE TIGHTENER. JAMES MADISON MEREDITH, Lewis, Iowa. Filed Oct. 11, 1928. Serial No. 311,914. 6 Claims. (Cl. 68-3.)



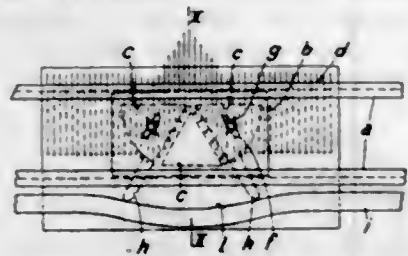
2. A clothes line tightener, comprising an upright member pivotally mounted intermediate its ends, means for connecting a line to the lower end of the member, and an elongated resilient member having means for attachment at one end to the line and having its other end connected to the upper end of the upright member.

1,737,196. FUEL CONTROL. OLAF MORTENSON and OLAF DE GUIRE, Silverton, Oreg. Filed June 7, 1927. Serial No. 197,098. 4 Claims. (Cl. 123-119.)



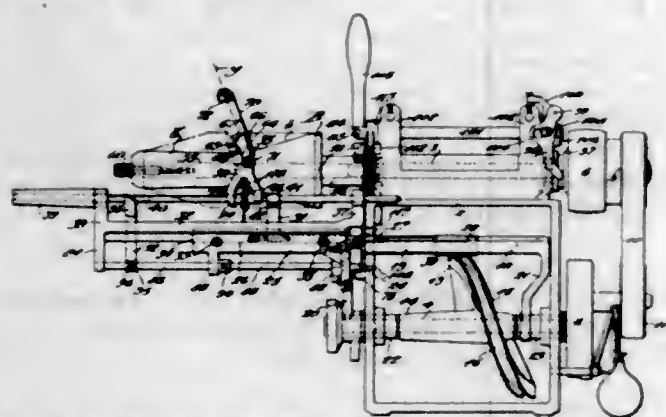
1. A fuel control for an internal combustion engine having a throttle valve comprising an auxiliary air intake, a valve for the same and a common control for the two valves including means for operating the first valve at a practically constant rate and the second valve at an accelerating speed ratio.

1,737,197. KNITTING MACHINE. HERMANN OBERLANDER, Zeulenroda, Germany. Filed Apr. 14, 1927. Serial No. 183,748, and in Germany Mar. 19, 1927. 2 Claims. (Cl. 66-77.)



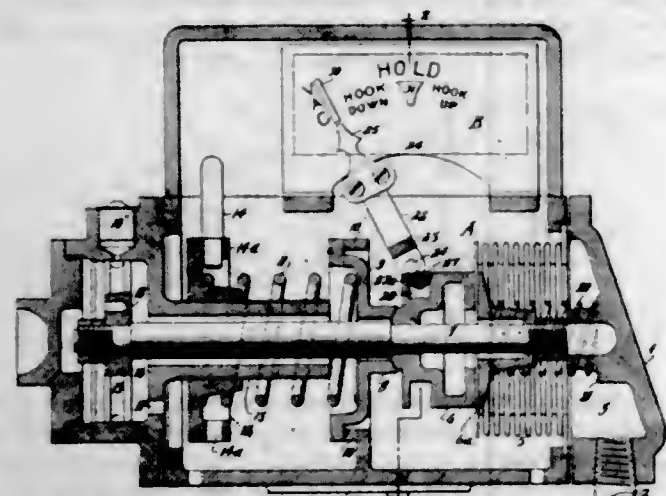
1. A flat knitting machine for the production of knee-caps, body-belts and similar goods in which a bulging has to be produced in the knitted fabric, comprising in combination with the needle bed, two outer knocking-over cams, a middle knocking-over cam, and a guide separated from said needle bed having a curve to shift said outer knocking-over cams in regard to said inner knocking-over cam at that point at which a bulging has to be produced in the fabric.

1,737,198. BOBBIN-WINDING MACHINE. EDWARD F. PARKS, Providence, R. I., assignor to Universal Winding Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 17, 1927. Serial No. 213,659. 18 Claims. (Cl. 242-27.)



1. In a winding machine, the combination of a winding-spindle, a thread-guide reciprocable longitudinally of the winding-spindle, means for reciprocating the thread-guide, contact-means adapted to be actuated from the winding to advance the thread-guide along the winding-spindle during the building of a bobbin, means for normally maintaining said contact-means in predetermined relation with respect to the axis of the winding-spindle, and automatically-operated means for moving the contact-means away from the winding-spindle at the completion of the bobbin.

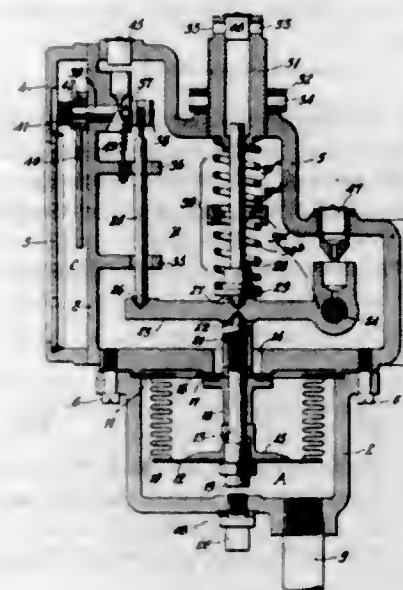
1,737,199. INDICATING APPARATUS FOR LOCOMOTIVE BACK PRESSURE. EDWIN S. PEARCE and EDMOND C. KARIBO, Indianapolis, Ind. Filed Oct. 21, 1925. Serial No. 63,827. 12 Claims. (Cl. 116-125.)



1. An indicator by which to regulate locomotive valve-gear cut-off adjustment comprising a dial having cut-off

change indications, an arm co-operating therewith, actuating mechanism for the arm under the influence of the locomotive back-pressure, means yieldingly acting on said mechanism in opposition to said pressure, and damping means co-operating with the mechanism and yieldingly resistive to changes of position thereof.

1,737,200. INDICATOR. EDWIN S. PEARCE and EDMOND C. KARIBO, Indianapolis, Ind. Filed May 12, 1926. Serial No. 108,474. 14 Claims. (Cl. 116-125.)



1. A direct-reading indicator for adjusting locomotive cut-off comprising, in combination, a movable member, a bellows-diaphragm actuated by locomotive exhaust pressure adapted to exert a force on one side of said member, tension means adapted to exert a force on the other side of said member to position it variably in proportion to variations in the exhaust pressure, and indicating means actuated by said member.

1,737,201. BREEDING MARK FOR SMALL ANIMALS. ANNEMARIE REIMER, Albrechtshelde, near Gr. Engellau, Germany. Filed July 18, 1928. Serial No. 293,595, and in Germany July 20, 1927. 1 Claim. (Cl. 40-3.)

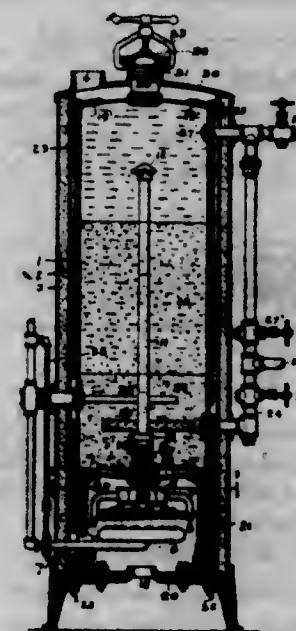


A breeding mark for small animals, comprising in combination a U-shaped bow having one pointed arm and an arm with a head at the lower end, and a plate of sheet metal on which the signs or marks are to be stamped folded at one edge over said arm of the bow which has a head so that after the pointed arm of the bow has been stuck through the skin of the animal said plate may be turned and attached to the pointed arm by having its free edge folded around this pointed arm.

1,737,202. WATER HEATER AND SOFTENER. PAUL P. RUNNELS, Indianapolis, Ind., assignor of one-half to Geo. A. Schaal, Terre Haute, Ind. Filed July 30, 1927. Serial No. 209,550. 5 Claims. (Cl. 122-18.)

1. The combination of a water tight boiler partially filled with a water softening material loosely deposited

therein, a water outlet near the top of the boiler, a water inlet near the bottom of the boiler, a water heating coil, and means for circulating the water of the boiler and heat-

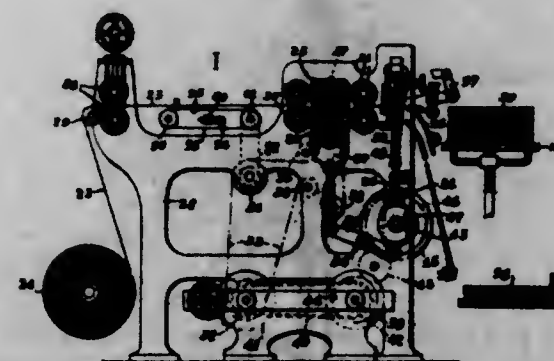


ing the contents of the boiler by admitting the water to the coils from the lower end of the boiler and discharging it from the coils into the boiler near the upper end of the boiler.

1,737,203. KETONE AND METHOD OF MAKING SAME. WALTER SCHÖLLER, Berlin-Westend, and CLEMENS ZÖLLNER, Berlin-Charlottenburg, Germany, assignors to the Firm Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Filed Dec. 16, 1927. Serial No. 240,612, and in Germany Dec. 15, 1926. 7 Claims. (Cl. 260-184.)

2. Method of producing alkyl- β -halogen ethyl ketones, comprising causing ethylene to act on acyl halogenide in the presence of a condensing agent and treating the reaction product with water.

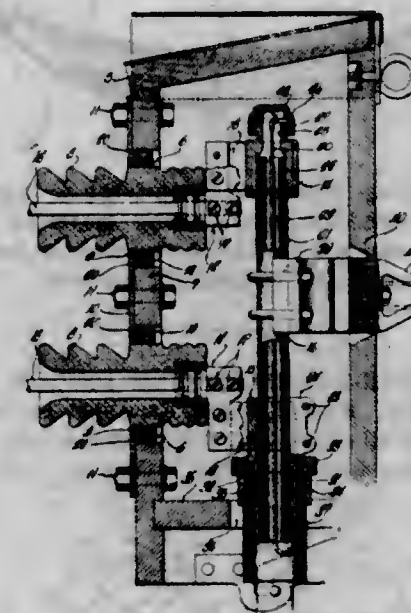
1,737,204. MECHANISM FOR IMPARTING INTERMITTENT MOTION TO BANDS OR WEBS. GEORGE SPIESS, Leipzig-Plagwitz, Germany. Filed May 9, 1925. Serial No. 29,154, and in Germany May 17, 1924. 4 Claims. (Cl. 271-24.)



1. Mechanism for imparting intermittent motion to bands or webs comprising a frame, a slide guided in said frame, feed rollers rotatably mounted on said slide, means for rotating said feed rollers and means for imparting reciprocating motion to said slide.

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1,737,205. FUSE. ALWIN G. STEINMAYER, Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis., a Corporation of Delaware. Original application filed Nov. 30, 1925. Serial No. 72,162. Divided and this application filed July 12, 1926, Serial No. 121,925. Renewed Dec. 26, 1928. 6 Claims. (Cl. 200-127.)



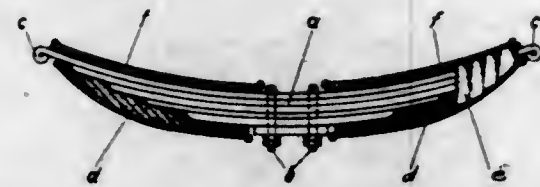
1. A fuse construction, comprising a tube of non-conducting material, a fuse element extending through the length of the tube and having one end extended therebeyond and bent backwardly along one end portion of the tube, a second tube of greater diameter than the first and telescoped over the last-mentioned end thereof to enclose the exposed portion of the fuse element, and terminal members electrically bridged by the fuse element, said last-mentioned end of the tube and the fold of the fuse element being located inwardly of the outer end of said second tube, there being an air space between the tubes and the adjacent ends thereof being open to the atmosphere.

1,737,206. RAILWAY SPIKE. FREDERICK W. STORR, South St. Paul, Minn. Filed Sept. 28, 1927. Serial No. 222,655. 2 Claims. (Cl. 85-21.)



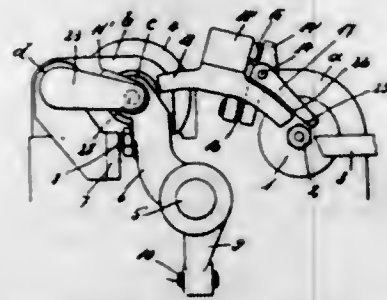
1. A spike having a shank formed with a pair of sides substantially straight and parallel, and a second pair at substantially right angles to the first composed of oppositely located, transversely staggered groups of longitudinally aligned shoulders, said shoulders presenting like helical surfaces inclined toward the entering end of the shank, the sides of the shank on which the groups of shoulders are located being defined by straight portions running from the inner edge of one shoulder to the outer edge of the next higher and aligned shoulder.

1,737,207. VEHICLE SPRING PROTECTION. VALERIE TAUFFENBACH, née WALLER, Berlin-Charlottenburg, and CARL GREINER, Berlin-Halensee, Germany, assignors to "Taco" Kraft-Fahrzeug-Werkstätten G. m. b. H., Berlin-Charlottenburg, Germany, a firm. Filed Aug. 8, 1927, Serial No. 211,535, and in Germany Oct. 29, 1926. 4 Claims. (Cl. 267-37.)



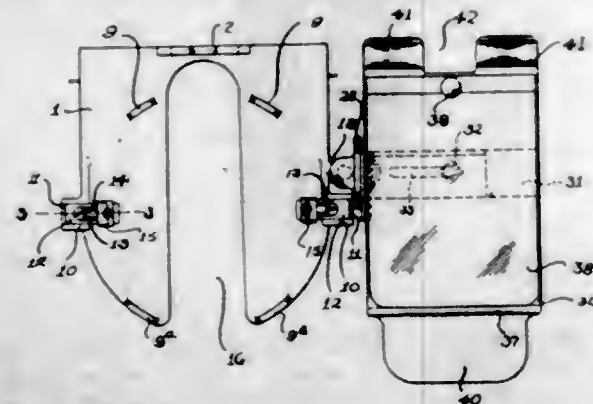
1. Vehicle spring protector comprising a layer of permanently deformable water-repelling material surrounding the spring and an elastic sleeve tightly surrounding said layer in an air- and water-tight manner.

1,737,208. BLANK-TRANSFERRING DEVICE FOR MACHINE TOOLS. KARL TESSKY, Esslingen-on-the-Neckar, Germany. Filed June 28, 1927, Serial No. 202,073, and in Germany July 21, 1926. 3 Claims. (Cl. 29-51.)



1. A blank-transferring appliance for machine tools having several tooling stations and comprising a gripper head adapted to be successively presented to said tooling stations and having a cavity for the reception of a blank, formed in conformity with the blank, a blank holder in said gripper head adapted to be displaced axially therein and to receive the separated blank in any position with respect to said cavity, means for moving said gripper head from one tooling station to another and means for operating on said blank holder means located in its path of movement for locating the blank in said holder so that it will be ready to be operated on by the tool when it reaches the second tooling station.

1,737,209. TELEPHONE SUPPORT. WILLIAM M. VALENTINE, Rochester, N. Y. Filed Nov. 9, 1926. Serial No. 147,364. 6 Claims. (Cl. 245-20.)



1. A telephone set comprising a supporting member for a telephone set having a supporting surface, a slot open at its forward end and extending through the supporting member from the forward edge of the latter rearwardly to a point in rear of the portion of the member on which the base of the telephone set will rest, means projecting

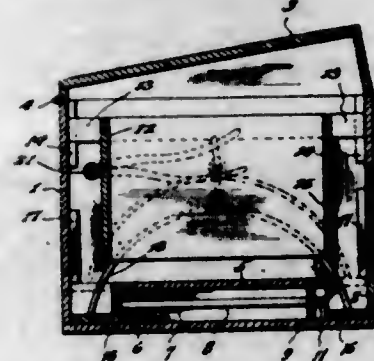
upwardly from the supporting member at the forward portion of the latter to cooperate with the forward edge of the base of a telephone set and means overhanging the supporting surface of the supporting member at opposite sides of the latter to cooperate with the upper surface of the base of a telephone set.

1,737,210. AEROPLANE. CORLIUS L. WELTNER, Parkersburg, W. Va., assignor of three-fourths to A. Homer Mossor, Parkersburg, W. Va. Filed July 25, 1928. Serial No. 295,318. 7 Claims. (Cl. 244-15.)



6. An aeroplane comprising a fuselage having a chamber open at the top and sides, a vertically journaled elevating propeller located above said chamber and discharging air thereinto, and means for controlling the exhaust of air from the sides of said chamber.

1,737,211. FARROWING APPARATUS. WILLIAM S. BARKER, Penn. III. Filed Mar. 12, 1928. Serial No. 261,113. 10 Claims. (Cl. 119-20.)



1. Apparatus for the purpose set forth comprising an outer enclosure, a raised platform therein, and a rigid restraining pen removably supported within the enclosure and spaced from the walls thereof over the platform with its lowest end spaced vertically from the platform at all times.

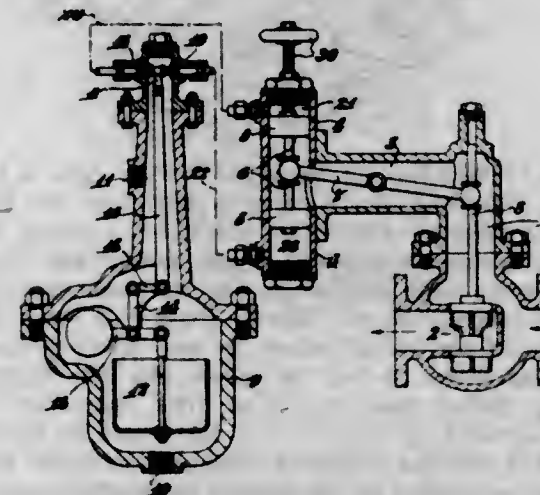
1,737,212. COMBINED CURTAIN, AWNING, AND SHADE. GEORGE W. BERNAUER, St. Charles, Mo. Filed July 29, 1927. Serial No. 209,208. 11 Claims. (Cl. 156-44.)



4. The combination with a window frame, a window in the upper portion of said frame, another window pivoted in the upper portion of said frame, and a window pivoted in the upper portion of said frame.

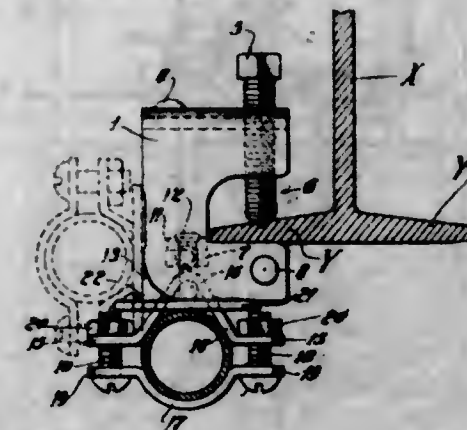
in said frame below said first named window for turning movements on a horizontal axis to position in which one end thereof is extended outwardly, and means for holding said second window in the position aforesaid, of a sheet of shade material having one end supported near the upper end of said frame at the inner side of said first window, and means for holding said shade in position in which it extends below said first window and downwardly and outwardly against the outwardly extended end of said second window.

1,737,213. APPARATUS FOR AUTOMATICALLY CONTROLLING THE FEED WATER OF STEAM BOILERS. LOUIS MAURICE BERNON, London, England, assignor of one-half to Robert James Walker, Leicester, England. Filed Mar. 17, 1927, Serial No. 176,160, and in Great Britain Apr. 13, 1926. 6 Claims. (Cl. 137-101.)



1. An apparatus for automatically controlling the flow of liquids under pressure, including a valve, an operating element coupled to said valve, and wherein the power for moving the operating element is supplied from pressure of the incoming fluid, comprising a double-headed piston constituting the operating element, between and past the heads of which the incoming fluid must flow, the piston moving to operate the valve according to the flow of liquid through the openings in its cylinder, the variations depending upon the condition of the vessel being fed.

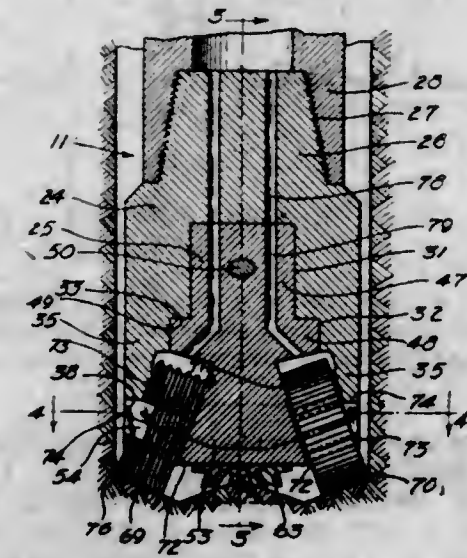
1,737,214. PIPE FASTENING. STEWART BROWN, Chicago, Ill. Filed Aug. 7, 1929. Serial No. 384,223. 4 Claims. (Cl. 248-32.)



1. In a pipe fastening, a base consisting of a U-shaped member provided with recesses on one side of the parallel elements thereof, and a set screw in said base, in combination with a bar the ends whereof are pivotally mounted in said parallel elements, a T-shaped member pivotally mounted in said bar, a member mounted on said T-shaped member, a disk provided with an aperture, said last named member extending through said aperture, and an additional member, the member which is mounted on said T-shaped member and said additional member adapted to have a

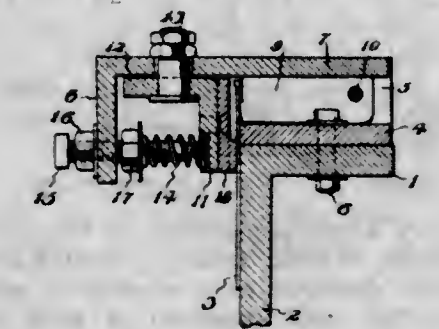
pipe placed between them, and means to force said pipe against said disk and to draw the member which is mounted on said T-shaped member rigidly into an adjusted position.

1,737,215. ROTARY BIT. ANTHONY E. CARLSON, Los Angeles, Calif. Filed Sept. 7, 1926. Serial No. 133,836. 20 Claims. (Cl. 255-71.)



19. In a drill bit a cutter assembly comprising: a cutter support; two primary arms projecting from the sides of said cutter support; two secondary arms projecting from the ends of said cutter support; a body having a bore extending upwardly from its lower end, means for securing said cutter support to said body, and maintaining it substantially within the bore, and cutters mounted on all said arms in operative position.

1,737,216. SAW CLAMP. WILFRED L. CARPENTER, Cedar Grove, La. Filed Sept. 8, 1927. Serial No. 218,190. 4 Claims. (Cl. 76-78.)

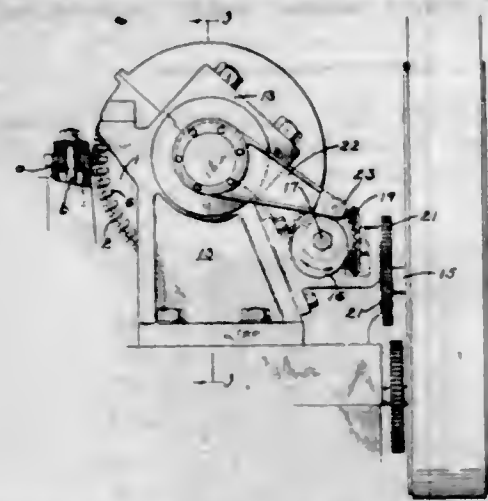


1. A band saw clamp comprising a base, a movable member pivoted at one end to the base, and having an offset portion at its opposite end, a jaw adapted to coact with the base to clamp the saw, means adjustably connecting the jaw to the movable member, a screw mounted in the offset portion of the movable member, and a spring mounted upon the screw and normally exerting a pressure upon the jaw to cause it to grip the saw by a yielding pressure.

1,737,217. GEAR-CUTTING MACHINE. HOWARD D. COLMAN, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 24, 1925, Serial No. 25,496. Renewed Apr. 17, 1929. 5 Claims. (Cl. 90-3.)

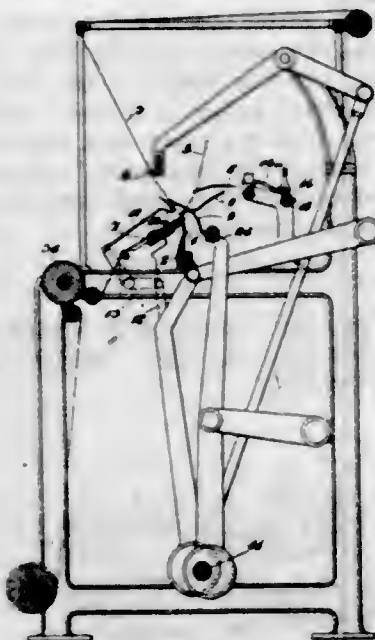
1. A gear generating machine having, in combination, a rotary cutter, means for supporting a blank in position to be cut by the cutter, a worm wheel rigidly connected

to the cutter, a worm meshing with the worm wheel, and means including a cam for reciprocating the cutter per-



pendicularly to the axis of the blank, said cam being shaped to compensate for acceleration and retardation of the cutter due to rolling of the worm wheel along the worm.

1,737,218. WARP OR STRAIGHT-BAR KNITTING MACHINE AND THE PRODUCTION OF FABRICS THEREON. WILLIAM COOMBS, Nottingham, England. Filed July 7, 1927, Serial No. 203,926, and in Great Britain Dec. 15, 1926. 3 Claims. (Cl. 66-85.)

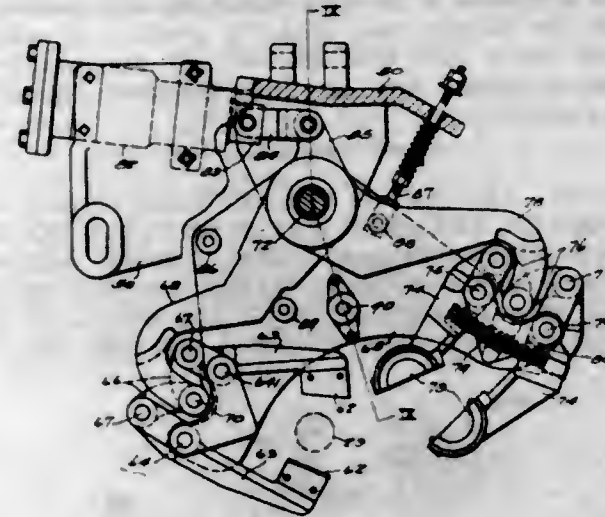


1. In a warp knitting machine for the production of fabrics composed of weft threads extending continuously in a transverse direction from selvedge to selvedge and locked by knitted loops composed of warp threads, in combination, a needle bed, means for supplying warp threads to the needles, a weft thread carrier, a continuously reciprocating member, a pivoted catch mounted on said weft thread carrier and adapted to engage with said reciprocating member to cause same to traverse the said carrier and lay the weft thread behind the needles, an inclined surface on said catch member, a selectively removable member with which the said inclined surface is adapted to engage pivotally to displace the said catch and release the said weft thread carrier from the reciprocating member, and means for moving the laid weft thread to the front of the needles.

1,737,219. FORMING HOT GLASS INTO MOLD CHARGES. ALBERT N. CRAMER, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 6, 1920. Serial No. 401,633. 16 Claims. (Cl. 49-55.)

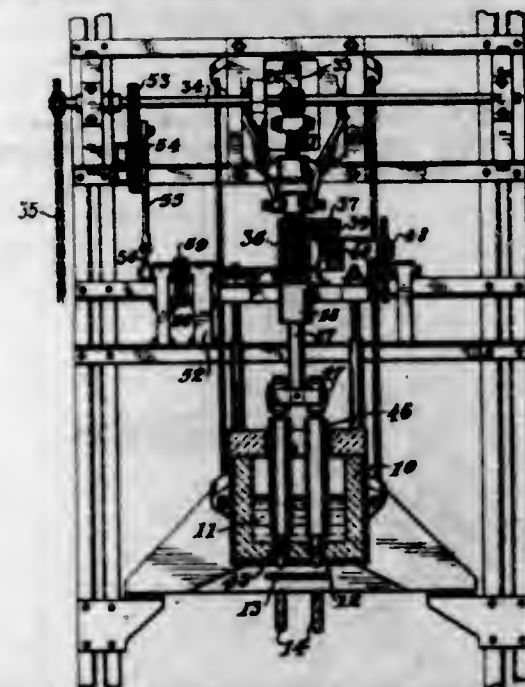
1. The combination with a container for molten glass, having an outlet orifice in the bottom thereof, of a cup

comprising separable sections horizontally movable into and out of position beneath said orifice, and means to supply a heating flame downwardly into the cup through the upper end thereof when the cup is in position beneath the orifice, under sufficient pressure to support the glass.



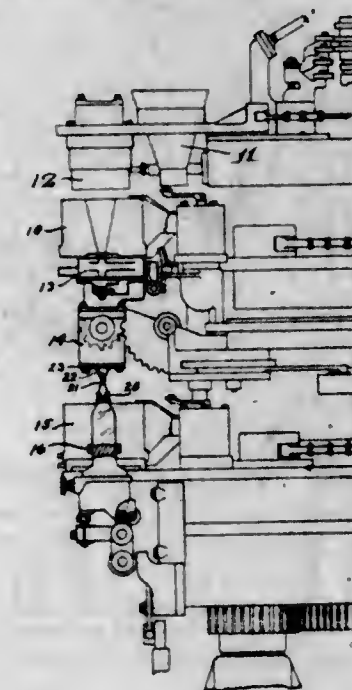
7. The combination of means for flowing glass, a cutting device, a retarding device operable to retard the flow by pneumatic pressure applied to the glass, a piston motor, operating connections between the motor and said devices whereby said devices are brought alternately into operative relation to the flowing glass and whereby the movement of the motor piston in one direction operates the cutting device to cut the glass and then brings the retarding device into operation, the retarding device being rendered inoperative by a movement of the motor piston in a reverse direction, valves separately controlling said movements of the piston, means for periodically actuating the valves at predetermined time intervals, and adjusting means for timing the operation of one valve relative to the other valve.

1,737,220. GLASS FEEDER. ALBERT N. CRAMER, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 8, 1923. Serial No. 661,577. 18 Claims. (Cl. 49-55.)



1. The combination of a container for molten glass provided with adjacent outlet openings through the floor thereof, regulating plungers projecting into the glass over said openings, means to reciprocate the plungers to periodically suspend formed charges from the walls of the openings, and means for causing horizontal rotation of the plungers, said rotating means being arranged to impart rotary movement to the plungers during the intervals between reciprocation of the latter.

1,737,221. GLASS-FORMING APPARATUS. ALBERT N. CRAMER, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 2, 1926. Serial No. 133,092. 8 Claims. (Cl. 49-9.)



8. A machine for forming glass articles comprising, in combination, a blank mold, a finish mold, a neck mold, a carrier on which the neck mold is mounted, automatic means to move said carrier and thereby move the neck mold alternately into register with the blank mold and finish mold, respectively, and a device for preventing displacement of the finished article as the finish mold opens, said device being carried by said carrier and moved thereby into operative position when the neck mold is moved into register with the blank mold.

1,737,222. CLEANING COMPOUND. SEYMOUR B. DEWEY, Jr., Cleveland, Ohio, assignor to Thomas H. Taylor, East McKeesport, Pa. Filed Nov. 19, 1926. Serial No. 149,533. 4 Claims. (Cl. 87-5.)

3. A cleaning compound consisting of potassium linseed oil soap, potassium castor oil soap, and unsaponified emulsified castor oil.

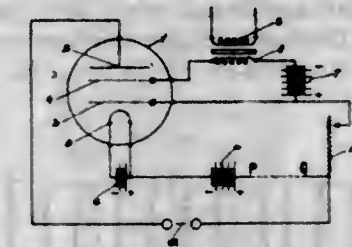
1,737,223. PROCESS OF MAKING CLEANING COMPOUNDS. SEYMOUR B. DEWEY, Jr., Cleveland, Ohio, assignor to Thomas H. Taylor, East McKeesport, Pa. Filed Dec. 24, 1926. Serial No. 157,000. 4 Claims. (Cl. 87-5.)

2. The process of making a cleaning compound, which consists in heating linseed oil and water, adding successive increments of potassium hydroxide to saponify the oil, boiling the mixture until saponification is substantially complete, adding a sufficient quantity of cold water to the hot soap solution to cause the same to gel, adding castor oil, and emulsifying the castor oil in the soap solution to form a homogeneous cleaning compound.

1,737,224. ELECTRIC DISCHARGE-TUBE SYSTEM. POPKO REINDER DIJKSTERHUIS, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed Jan. 7, 1925, Serial No. 1,072, and in the Netherlands Feb. 6, 1924. 4 Claims. (Cl. 250-27.)

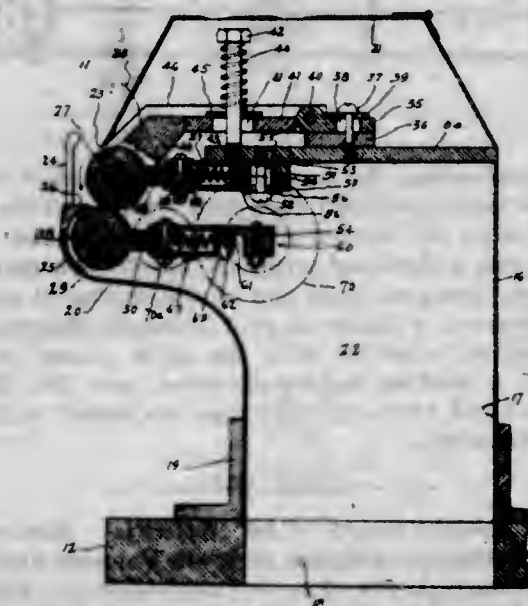
1. A discharge tube relay having a cathode, plate and two grids, a plate circuit comprising a source of positive

plate potential, a foregrid circuit comprising said source of plate potential and a resistance, and a control grid



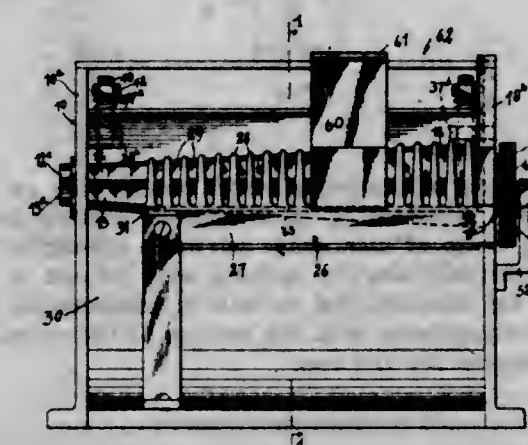
circuit comprising said source of plate potential, said resistance, a source of negative potential, and an input means.

1,737,225. FEATHER-PLUCKING DEVICE. JULIUS DUNNAR, New York, N. Y. Filed Jan. 21, 1928. Serial No. 248,312. 2 Claims. (Cl. 17-11.)



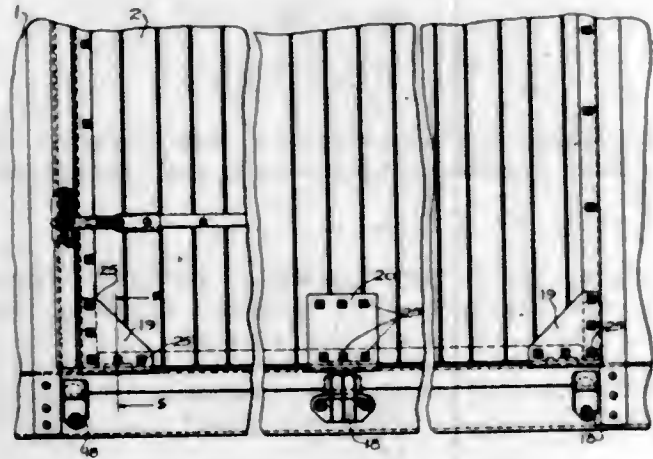
2. In a device of the character described having a pair of rotatable rollers for gripping feathers therebetween and a comb adjacent to the rollers for guiding the feathers thereto, said comb having triangularly shaped teeth being wider at the base and pointed at the outside free end to guide the feathers therebetween, and a shoulder alongside the base of the teeth to rest the feathers thereon.

1,737,226. TAPERED-ROLLER FEATHER-PLUCKING DEVICE. JULIUS DUNNAR, New York, N. Y. Filed May 9, 1928. Serial No. 276,253. 10 Claims. (Cl. 17-11.)



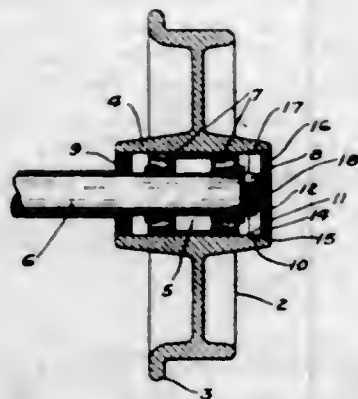
1. In a device for plucking feathers, a pair of coating oppositely rotating rollers for gripping the feathers therebetween, said rollers having portions of larger and smaller diameters, for operating on heavier and finer feathers, respectively.

1,737,227. SLIDING-DOOR FITTING. CARL E. EKLUND and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Original application filed July 10, 1925, Serial No. 42,639. Divided and this application filed Sept. 20, 1926. Serial No. 136,698. 3 Claims. (Cl. 16—90.)



1. In combination, the frame of a railway car, a sliding door, guide means mounted upon said frame, a guide member mounted on the bottom of said door, said guide member comprising a T-shaped structure, the bottom rear edge of said door being set into one of the angles of said T-shaped structure, a flange of said T-shaped structure being adapted to cooperate with the guide means on said frame, and a holding member mounted upon the outside of said door and having interfitted engagement with said T-shaped structure.

1,737,228. INDUSTRIAL CAR WHEEL. EDWARD A. EXTON, Irwin, Pa., assignor to Irwin Foundry and Mine Car Company, Irwin, Pa., a Corporation of Pennsylvania. Filed Aug. 25, 1927. Serial No. 215,328. 2 Claims. (Cl. 295—44.)

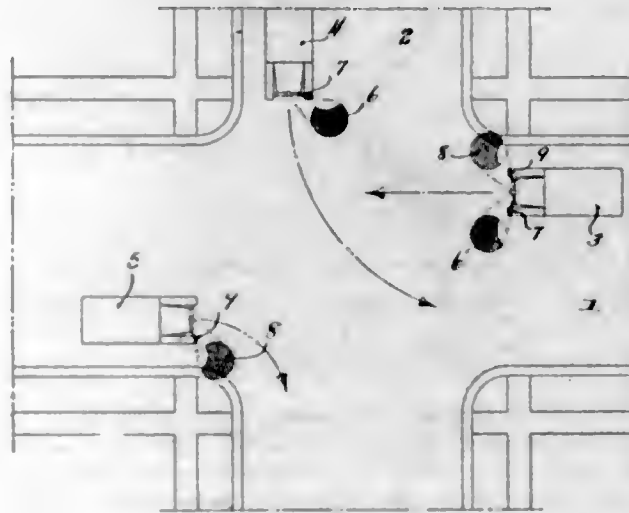


1. In a wheel structure, a wheel hub having an opening therethru terminating in a recessed portion defining a shoulder, a cap of dish shape having a cylindrical wall slidably insertable into the opening with its end in abutment with the shoulder and its wall in substantially lubricant tight engagement with the surface of the recess, and retaining means for the cap.

1,737,229. SWITCH FOR SYSTEMS OF AUTOMOTIVE SAFETY SIGNALING. GEORGE W. FROST, Milwaukee, Wis. Filed July 19, 1926. Serial No. 123,391. 1 Claim. (Cl. 200—11.)

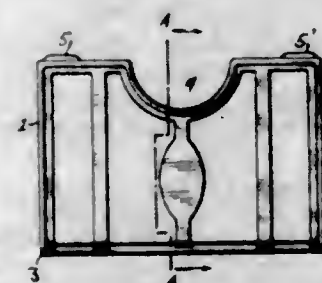
In a signaling system device, a switch member including a cylinder casing, a central web in the casing, having

openings therethrough, a pair of contacts carried by the web and arranged upon opposite sides of the center thereof, a central pin carried by the web having a headed portion at one end, removable nuts on the other end, a metal sleeve on the pin beneath the headed portion, a metal contact plate carried by the sleeve, an insulated switch plate carried by the metal plate, said metal plate having



depressions therein for engagement with the contacts, a spring on the pin normally urging the metal plate toward the contacts, an auxiliary arm on the switch plate and metal plates for engagement with one of the contacts and a laterally projecting handle on the switch plate extending through one side of the casing and adapted to be actuated for moving the depressions and auxiliary arm into and out of engagement with the contacts.

1,737,230. BILL HOLDER. EMMANUEL M. GATTLE, New York, N. Y. Filed June 5, 1928. Serial No. 283,097. 1 Claim. (Cl. 24—248.)

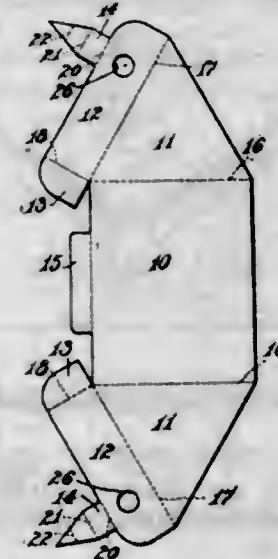


A bill holder comprising a pair of frames formed of flexible metal cut away to form an outer rim, each of said frames having a notch at its free end, and also cross bars, a spring hinge connecting the frames at the ends opposite the free ends, the cut away portions serving to increase the flexibility of the frames, the cross-section of the frames being such that the free ends of the two parts are in contact for some distance from the ends and a nail catch on each frame at its outer edge.

1,737,231. ELEVATOR BUCKET. DAVID GEDDES, Berkeley, Calif. Filed Nov. 1, 1926. Serial No. 145,390. 2 Claims. (Cl. 198—152.)

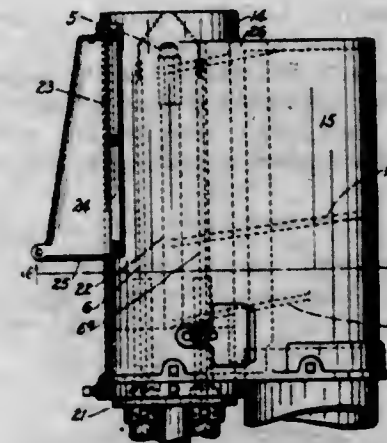
1. An elevator bucket formed from a sheet metal blank comprising a middle portion, flanging foldable triangular portions bendable into planes at a substantial angle to

the middle portion, a lip at the outer edge of each triangular portion and bendable into planes converging with the



plane of the middle portion and sharpened prongs carried at the free edges of said lips and projectible through a carrying belt.

1,737,232. COMBUSTION TUBE FOR OIL BURNERS. WILLIAM M. GRIFFIN, Fort Wayne, Ind., assignor to The Wayne Home Equipment Company, Baltimore, Md., a Corporation of Maryland. Filed Sept. 24, 1928. Serial No. 308,012. 4 Claims. (Cl. 158—1.5.)



3. In a combustion tube for apparatus for burning liquid fuel, a fuel supply pipe and its spray nozzle positioned substantially axially of said tube, means for supplying air through the wall of said tube substantially tangentially thereof and contiguous to said nozzle, means for dividing the air current so supplied and means for diverting the air so supplied toward the back end of the combustion tube.

1,737,233. MEANS FOR CONTROLLING THE DISCHARGE OF WATER INTO FLUSH TANKS. WILLIAM U. GRIFFITHS, Philadelphia, Pa. Filed May 17, 1927. Serial No. 191,947. 6 Claims. (Cl. 137—104.)

2. Means for controlling the discharge of water through a pipe into a flush tank which means comprises a chamber within which is mounted a retarding device, said chamber having a discharge opening leading therefrom, a longi-

tudinally movable member, the inner end of which is adapted to open and close the opening from said chamber to



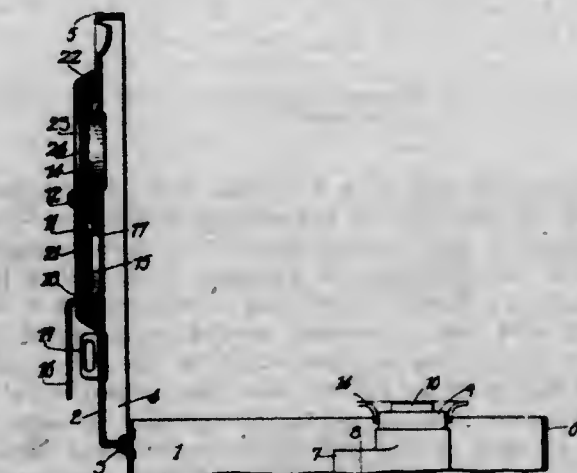
thereby control the flow of water therefrom and means for effecting further retardation of the water after it has passed beyond the said valve.

1,737,234. WASHBOILER ATTACHMENT. JOSEPH GRISON, New York, N. Y. Filed Nov. 8, 1928. Serial No. 317,978. 3 Claims. (Cl. 68—30.)



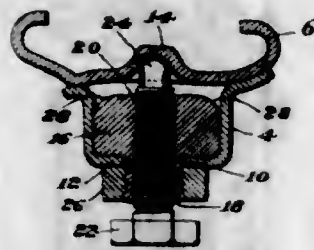
2. In a wash boiler attachment, a dome-shaped chamber having a plurality of apertures near its edge, a rib on the chamber adjacent the aperture, an apertured band slidable on the rib so that the area of the apertures in the chamber may be varied.

1,737,235. SWITCH BOX. EMIL T. HAGIST, Philadelphia, Pa., assignor, by mesne assignments, to Thomas E. Murray, Jr., Brooklyn, N. Y. Filed June 6, 1924. Serial No. 718,326. 6 Claims. (Cl. 200—50.)



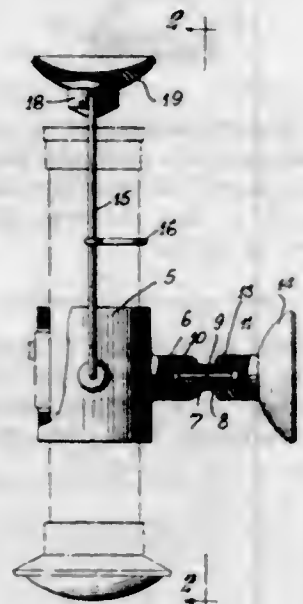
1. A casing for switch and fuse mechanism including an apertured cover and a shutter on the outside of the cover adapted to be connected to the mechanism and to uncover the aperture when the switch is open and to cover it when the switch is closed, said cover having a raised portion in which the aperture is located and said shutter having a flange surrounding such raised portion of the cover.

1,737,236. DEMOUNTABLE RIM. FRED P. HATCH, Wollaston, Mass. Filed Nov. 15, 1928. Serial No. 319,554. 1 Claim. (Cl. 301—28.)



A wheel having a tire-rim and a channel metal felly having an opening in the bottom wall of the channel, a steady-block mounted non-rotatably in the channel having an externally-threaded neck extending through said opening in the rim, said steady-block and neck having a threaded bore extending through them, the thread of this bore having a lesser pitch than the aforesaid thread on the external surface of the neck, a threaded bolt extending through said neck and steady-block and having a projecting outer end adapted to engage the tire-rim, said bolt being provided with a head adjacent the end of said neck, and a nut screwed on said neck adapted in one position to engage the inner face of the rim to thus hold the steady-block down in the channel and in another position to bind against the adjacent face of the bolt-head to thereby lock the bolt against loosening.

1,737,237. FLASHLIGHT SUPPORT. FREDERICK HELING, Hoboken, N. J. Filed Apr. 25, 1928. Serial No. 272,771. 1 Claim. (Cl. 240—52.)

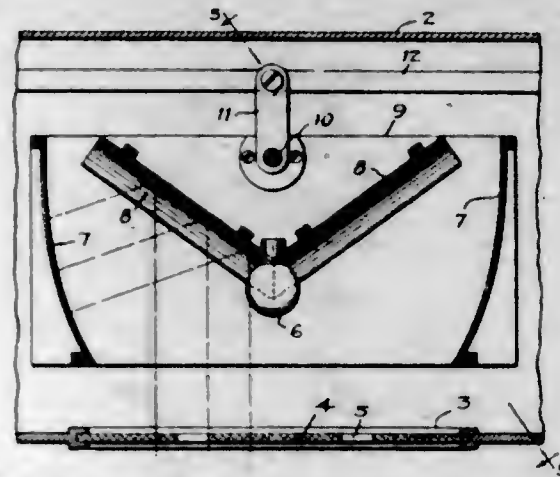


The combination of a flashlight with means for supporting the flashlight in any desired position, said means comprising a hard rubber cylindrical casing adapted to surround the flashlight, a recessed hard rubber lug on said casing, a flanged metal plug accommodated in the recess of said lug, a recessed second hard rubber lug, a flanged metal plug accommodated in the recess of said second lug abutting against said first named metal plug, a pin passed through a central aperture in said plugs, heads on said pin to prevent its withdrawal from said plugs, and a soft rubber vacuum cup made integrally with said second lug for supporting the flashlight on a flat surface.

1,737,238. SIGN OR OPTICAL APPARATUS. WILLIAM HIRSCHLAPF, New York, N. Y. Filed July 13, 1927. Serial No. 205,486. 8 Claims. (Cl. 40—133.)

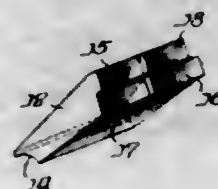
1. A sign comprising a screen exhibiting a character or characters, a source of light behind the screen, and a

reflector comprising two cylindrical concave mirrors disposed adjacent said source in such relation that the light rays are reflected from one mirror to the other and from



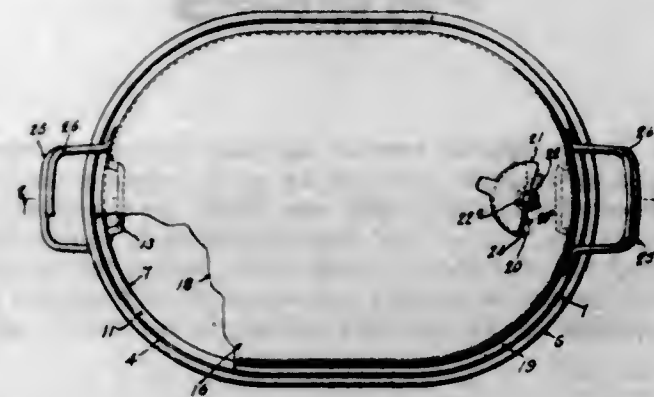
the second mirror are reflected forwardly through the screen, the two mirrors having their curvatures at right angles to each other.

1,737,239. REFRACTORY ARCH BRICK. RALEIGH J. HIMMELRIGHT, New Rochelle, N. Y., assignor to General Refractories Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1928. Serial No. 263,371. 5 Claims. (Cl. 110—87.)



1. In a locomotive arch the comb of a pair of bricks adapted to be supported in inclined relation with their abutting ends interlocked, the ends being counterparts the face of each end consisting of two projections and two recesses all of rectangular cross section each projection and each recess occupying substantially one-fourth of the area of the face.

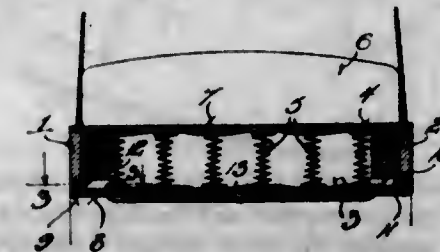
1,737,240. STEAMER ROASTER. LOUIS J. HOIS, Milwaukee, Wis., assignor to Geuder, Paeschke & Frey Company, Milwaukee, Wis. Filed May 23, 1927. Serial No. 193,430. 2 Claims. (Cl. 53—6.)



1. A combination steamer and roaster comprising an imperforate base section having a seat around its upper end, a removable tray adapted to contain the meat to be roasted, and having an imperforate bottom and an upwardly directed peripheral wall, that portion of the wall adjacent to the bottom being imperforate, the upper edge of said wall being formed with an outwardly directed flange supported on said seat whereby the tray

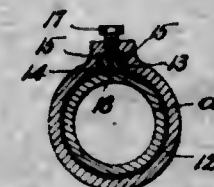
is suspended within the base section in spaced relation thereto defining a water space of substantial volume and a vapor space above the water space, said tray having vents affording communication between the vapor space and the interior of the tray, and a cover section co-operable with the tray to form an enclosed roasting chamber, said cover section having a vent and a closure for the vent adjustable to a position wherein it obstructs the vent and also adjustable to a position wherein it leaves the vent open and unobstructed.

1,737,241. SUPPORT FOR OVERSTUFFED FURNITURE SEATS. JAMES M. HOAGUE, Janesville, Wis. Filed Feb. 15, 1928, Serial No. 88,253. Renewed May 1, 1929. 1 Claim. (Cl. 155—179.)



In a seat construction, the combination of a rectangular seat frame having triangular corner posts, fabric members extending across the top and bottom of the seat frame, springs positioned between said fabric members and a metal plate secured directly to the under side of said seat frame by fastening means extending upwardly into said seat frame, said metal plate having upwardly turned diagonal corner flanges contacting with the inner faces of the triangular corner posts and with the inner faces of the frame, and having fasteners projecting there-through horizontally into said frame.

1,737,242. THREADLESS COUPLING. JOHN W. HOOLEY, Larchmont, N. Y. Filed Sept. 5, 1928. Serial No. 304,088. 3 Claims. (Cl. 247—25.)



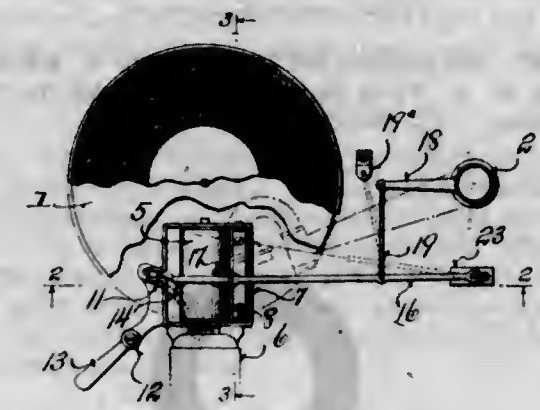
1. A conduit coupling comprising a sleeve having a recess in its inner surface, and a conduit-locking key mounted in said recess and bodily movable therein, the said recess and key being of relative formations to interengage to retain the key in the recess when the coupling is not in use.

1,737,243. EDGE BINDER. HENRY B. HOUSTON, New York, N. Y. Filed Apr. 20, 1926, Serial No. 24,710. Renewed Nov. 9, 1928. 5 Claims. (Cl. 154—43.)



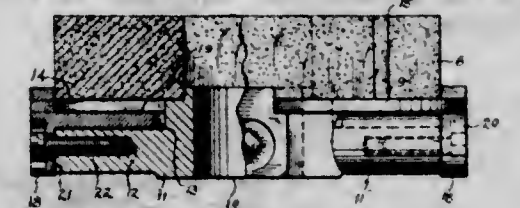
1. As an article of manufacture, a binder comprising a sheet of rubber having an adhesive surface and folded with one side upon the other, and with the adhesive surfaces of the opposite sides presented inwardly, a reinforcing fabric strip of greater strength than the rubber sheet secured between the sides of the rubber sheet along the fold and of a width and strength to receive fastening elements and to take the stress of the rubber sheet adjacent said fastening elements, and a removable separating strip extending between the opposite edges of the sides of the rubber sheet, the adhesive inner surfaces of the opposite sides of the sheet being secured directly together between the fabric reinforcing strip and said removable separating strip.

1,737,244. SPEED REGULATOR FOR PHONOGRAPHS. VICTOR JAKOB, Racine, Wis. Filed Oct. 11, 1926. Serial No. 140,913. 3 Claims. (Cl. 74—26.)



1. Driving mechanism comprising a disc, a drum mounted below said disc and having its axis at right angles to the axis of the disc, a friction ring loosely surrounding said drum and adapted to contact with said disc, means for raising or lowering said drum to cause said ring to contact with or move away from said disc, and means for moving said ring towards or away from the center of said disc, whereby the speed of rotation of said disc may be varied.

1,737,245. HONE WHEEL. JOHN S. JOHNSON, Milwaukee, Wis. Filed Apr. 5, 1928. Serial No. 90,841. 1 Claim. (Cl. 51—209.)



A hone wheel, comprising a wheel member having a body portion formed with a plurality of spaced, radially extending T-shaped, slotted recesses, said wheel member also having a plate portion, an abrasive member mounted on said plate portion, a plurality of T-shaped clamping members having their shank portions extended into said recesses and the head portions engaging the peripheral surface of the abrasive member, and bolts threaded through said clamping members and the wheel body portion to adjustably hold the clamping members in clamping position.

1,737,246. CLASP. PERCIVAL W. JONES, Warwick, R. I., assignor to Rosenheim Co. Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 25, 1928. Serial No. 302,094. 2 Claims. (Cl. 24—230.)



1. A clasp for a bracelet strip or the like comprising a pair of members, means for securing said members to the ends of a bracelet, one of said members having a tongue base with integral rivets, a separate resilient compressible part through which said rivets extend to secure the same to said base to form a tongue, said resilient com-

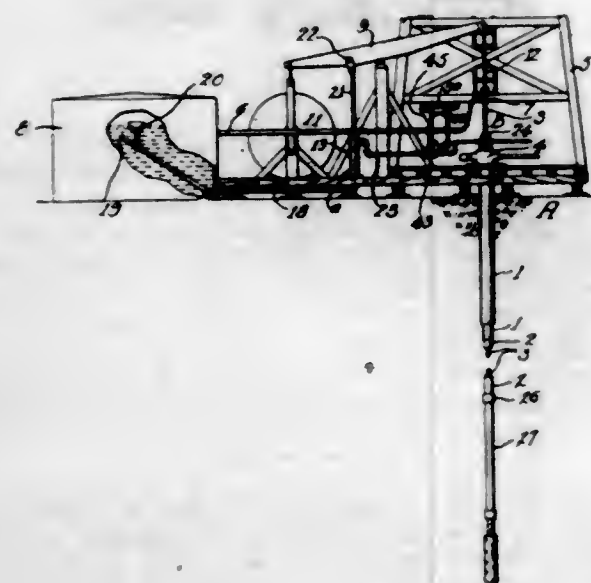
pressible part having a laterally protruding latch, and the other of said members having side walls, one side wall having an opening adapted to be entered by said latch to detachably secure said members together.

1,737,247. SCOURING DEVICE. OTHO V. KEAN, Providence, R. I. Filed Mar. 7, 1927. Serial No. 173,425. 5 Claims. (Cl. 15-209.)



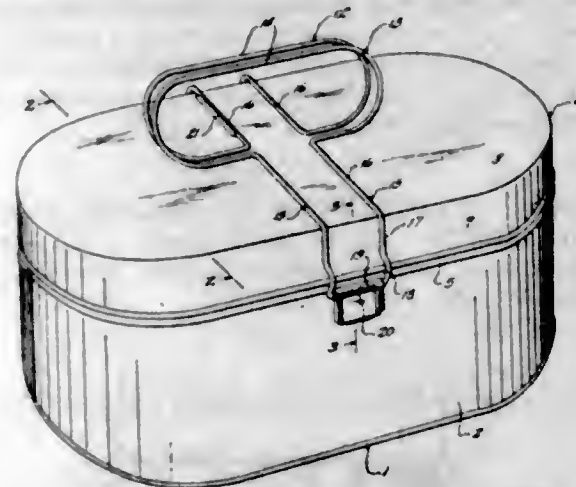
3. A scouring device including a ring-shaped core and a separate reticulated metallic fabric enveloping said core, said fabric being of greater length than said core, the surface of such fabric being disposed in the form of corrugations to accommodate the entire length of such fabric upon said core.

1,737,248. WELL APPARATUS. FRANK C. KELLEY, Long Beach, Calif., assignor of one-half to Elmer W. Riggle, Los Angeles, Calif. Filed Mar. 24, 1926. Serial No. 97,019. 2 Claims. (Cl. 103-204.)



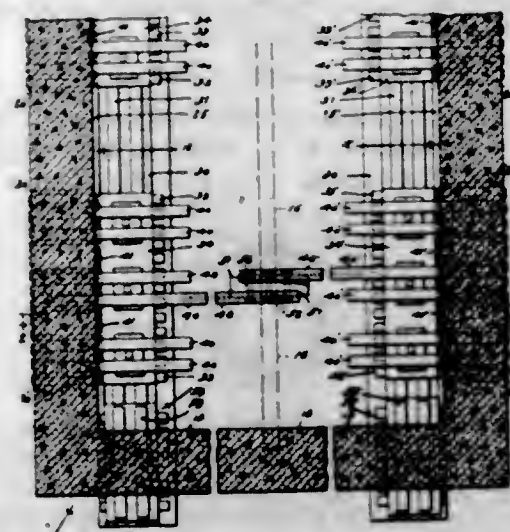
1. Improvements in oil well apparatus, having a tubing within a well hole, a pump within said tubing and working and standing valves associated with the tubing and said pump, including a walking beam adapted to actuate said pump, a second pump associated with the walking beam and a connection between said second pump and the space above said working valve, there being means for supplying fresh oil to said second pump and whereby when the walking beam is operated the said pumps are operated, the first pump to lift oil from the oil-bearing sands and the second pump to force clean oil above the working valve to maintain the working valve operative and prevent a sanding up thereof.

1,737,249. LUNCH BOX. PHILIP KEMPTER, Milwaukee, Wis., assignor to Geuder, Paeschke & Frey Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 27, 1928. Serial No. 257,417. 3 Claims. (Cl. 220-95.)



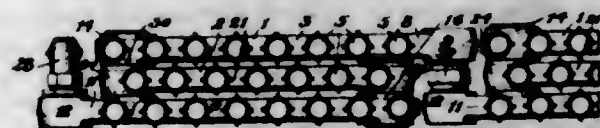
1. A device of the character described comprising a receptacle, a cover therefor and handles hinged to the receptacle and holding the cover against displacement when the cover is closed and the handles are in position for carrying the receptacle, one of the handles being secured to the cover.

1,737,250. MEANS AND METHOD OF LOADING BUILDINGS FOR MOVING. GEORGE R. KRESS, Los Angeles, Calif. Filed Apr. 3, 1929. Serial No. 352,072. 16 Claims. (Cl. 238-13.)



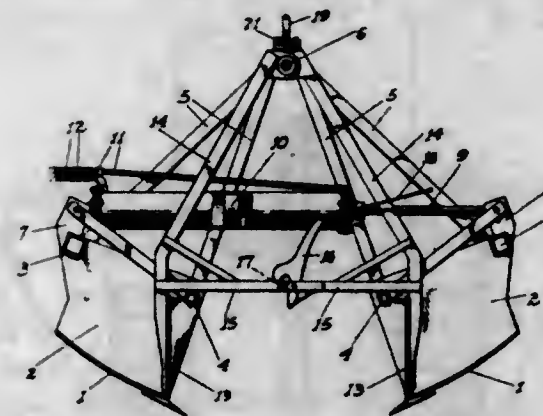
16. A supporting structure for use in moving buildings, embodying: a series of supporting members positioned below and in engagement with the wall structure of said building; rollers under said supporting members; and means comprising a vertically adjustable track for supporting said rollers.

1,737,251. RADIATOR. WALTER E. KUNSTLER, New York, N. Y. Filed Dec. 15, 1927. Serial No. 240,193. 4 Claims. (Cl. 257-151.)



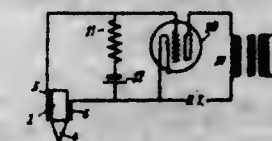
1. A radiator having front section provided with a plurality of spaced headers, a series of spaced tubes connecting the headers, a similarly formed back section, and an intermediate section located between and connected to the front and back sections, said intermediate section being provided with tubes that are located in alignment with the spaces between the tubes in the front and back sections.

1,737,252. OPERATING STRUCTURE FOR CLAM-SHELL BUCKETS. ROBERT G. LE TOURNEAU, Upland, Calif. Filed Oct. 3, 1927. Serial No. 223,548. 8 Claims. (Cl. 37-184.)



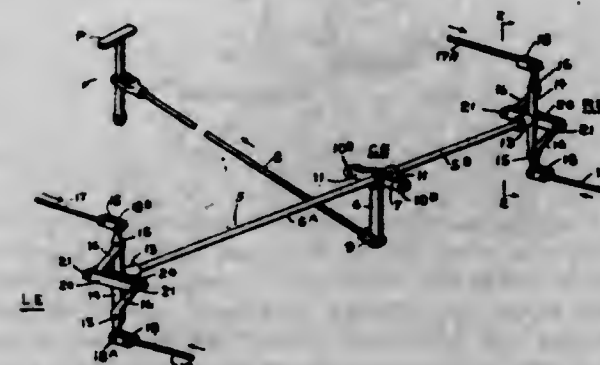
1. A dredger bucket including opposed and cooperating bucket sections, means supporting said sections in a manner to enable them to open and close relative to each other, means for thus opening and closing the sections, end gates mounted in connection with the sections and positioned at the ends of the same opposite to their meeting edges when the sections are closed, said gates being movable relative to the sections and to each other, and means holding said gates stationary relative to each other as the sections are being opened until with such opening the endgates lie adjacent the adjacent ends of the bucket sections.

1,737,253. MEANS FOR RECORDING AND REPRODUCING SOUND. ALFRED AUBYN LINSSELL, Brentwood, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Sept. 28, 1927. Serial No. 222,543, and in Great Britain Oct. 2, 1926. 6 Claims. (Cl. 179-100.1.)



1. A reversible electrical reproducer comprising a piezo electric crystal section, said section having a body portion and a projecting portion, said last mentioned portion being shaped to fit the grooves of a record, and electrodes connected to two opposite faces of said body portion.

1,737,254. VEHICLE BRAKE-EQUALIZING SYSTEM. ALFRED W. MARSDEN, Lykens, Pa. Filed Nov. 8, 1928. Serial No. 317,915. 18 Claims. (Cl. 188-204.)

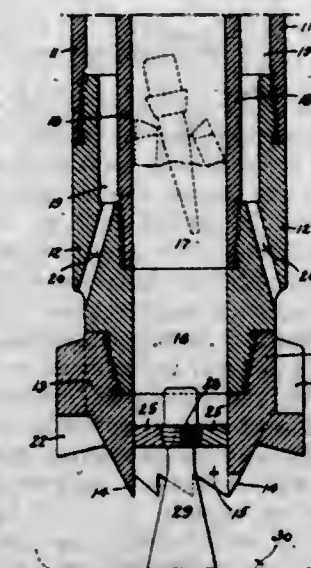


1. A force distributing device comprising an arm adapted to be moved upon application of a force, a plu-

rality of members adapted to distribute such force, means operatively connecting said arm to said members, means associated with said members for exerting pressure from one to another, said arm and members having cooperating frictional surfaces whereby the relation between said arm and members is automatically changed and maintained in proportion to the resistances of said arm and members.

1,737,255. HARD ALLOY AND PROCESS OF MANUFACTURING THE SAME. PHILIP M. MCKENNA, Latrobe, Pa., assignor to Vanadium Alloys Steel Company, Latrobe, Pa., a Corporation of Pennsylvania. Filed Jan. 22, 1929. Serial No. 334,364. 7 Claims. (Cl. 75-1.)
2. An alloy comprising beryllium about five and one half per cent; carbon about two and eight-tenths per cent, and the remainder tungsten.

1,737,256. PLUG FOR CORE DRILLS. ARNEL F. MCQUISTON, Taft, Calif., assignor to Elliott Core Drilling Company, a Corporation of California. Filed Oct. 5, 1928. Serial No. 310,524. 5 Claims. (Cl. 255-72.)



1. A temporary plug for core drills for insertion in the core receiving opening of the drill comprising plug members mounted in the core receiving opening and a plug collapsing member mounted on said plug members and extending ahead of said drill.

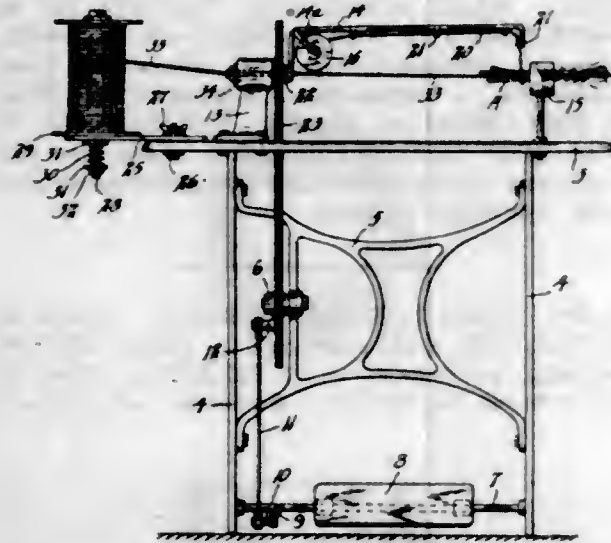
1,737,257. DISTRIBUTOR FOR WASHING MACHINES. HENRY E. MERSELES, Bronxville, N. Y., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio, a Corporation of Ohio. Filed May 20, 1924. Serial No. 714,563. 6 Claims. (Cl. 299-69.)



1. In a dishwashing machine, the combination of a conduit having an outlet opening, a pin fixed in said conduit and extending axially through said outlet opening, a distributor rotatably mounted on said pin and having discharge openings, an axial intake opening communicating with the outlet opening of the conduit, and a second pin fixed in said distributor and extending axially through said intake opening.

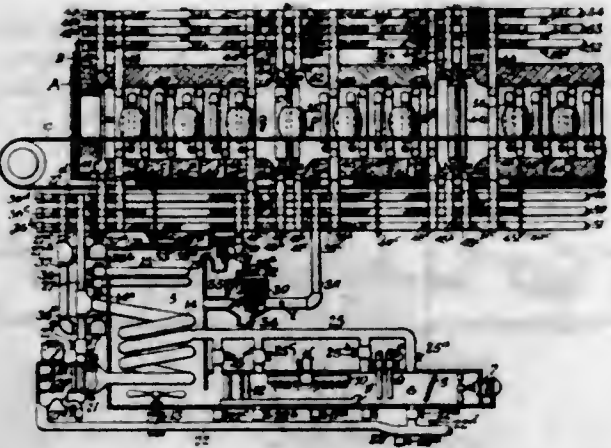
ond axial opening opposite said intake opening and of materially greater diameter than the pin, and a closure for said second axial opening fixed on the pin and having a running fit with the periphery of said second opening.

1,737,258. WINDING MACHINE. LIZZIE E. MEYER, Minong, Wis. Filed June 4, 1928. Serial No. 282,565. 2 Claims. (Cl. 41—3.)



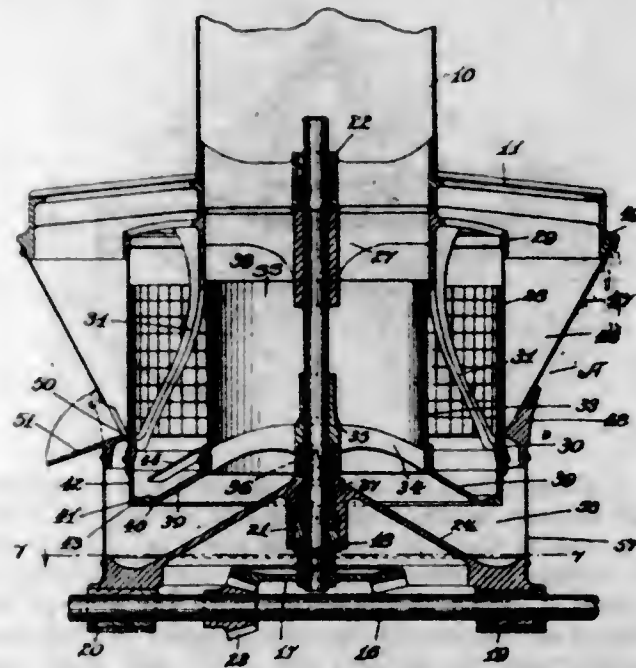
1. A winding machine for constructing festooning and the like, comprising a supporting table, a work support secured to the top of said table to extend above the same, a bearing secured to the upper side of said table to extend above the same and in spaced relation from said work support, an arm journaled in said bearing and having a portion projecting to a point adjacent said work support in eccentric relation to the axis about which said arm may rotate, said bearing having a central opening therethrough to permit a central guide member to be projected through the opening and from said bearing to said work support, means on said arm permitting a cord to be extended therethrough and to be carried from the portion of said arm adjacent said work support downwardly to said work support, a treadle mounted in said table, a sprocket mounted in said table, a sprocket mounted on said arm, a pitman connecting said treadle and said first mentioned sprocket and a sprocket chain running over said sprockets.

1,737,259. PROCESS AND APPARATUS FOR DRYING CERAMIC WARE. WILLIAM J. MILLER, Swissvale, Pa. Filed Aug. 6, 1927. Serial No. 211,142. 15 Claims. (Cl. 34—12.)



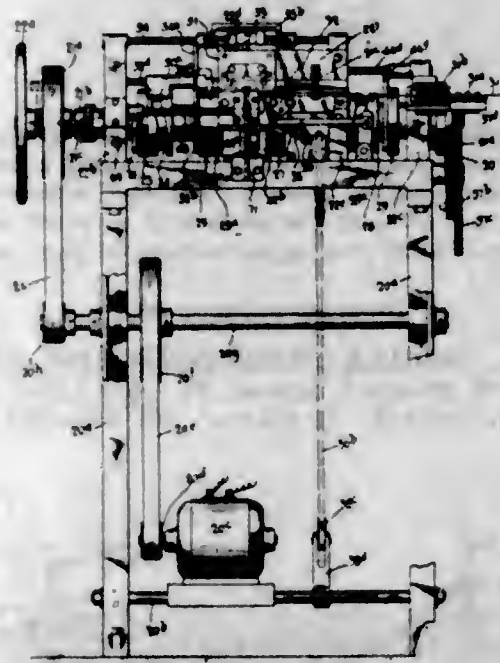
1. Drying apparatus comprising a drying chamber arranged in zones, means for establishing a forced circulation of air through the drying chamber, means for independently controlling the humidity, temperature and velocity of the air in each zone, means for interchangeably intermingling the air of any two or more zones, and means for extracting heat and moisture from the circulating air.

1,737,260. SCALPER AND ASPIRATOR. HAAKON MJOELSNES, Minneapolis, Minn. Filed Apr. 9, 1928. Serial No. 268,437. 23 Claims. (Cl. 209—34.)



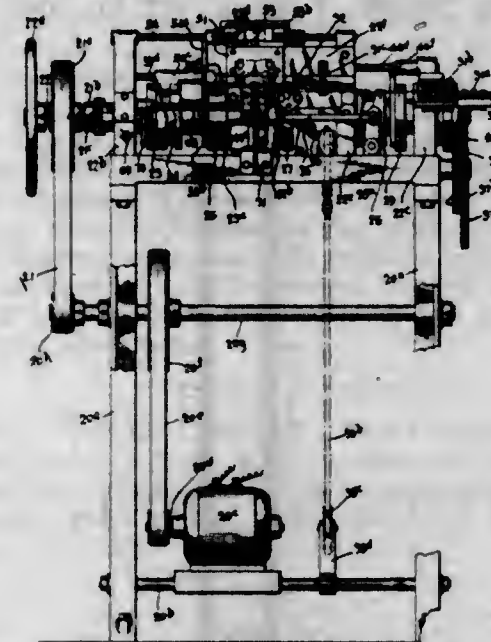
11. A grain scalper and aspirator including, a scalping member for larger foreign matter, means for whirling the grain in space from said scalping means, and means for passing air over the grain as it whirled and falls to the bottom of said scalper to thoroughly aspirate the same removing the dust and small foreign matter therefrom.

1,737,261. APPARATUS FOR MAKING FASTENING DEVICES. LOUIS H. MORIN, New York, N. Y., assignor to Cambridge Rubber Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 7, 1926. Serial No. 140,005. 52 Claims. (Cl. 140—71.)



1. An apparatus of the class described comprising means for feeding a wire strand into the machine, means for shearing a workpiece from said strand, means for forming loops at the ends of said workpiece, a mandrel, means for bending the workpiece around the mandrel to form a large central loop therein, means for supporting a mounting strand in parallel relation to said mandrel, and means for placing the small loops of the workpiece onto said strand and securing the same thereto.

1,737,262. METHOD OF MAKING FASTENING DEVICES. LOUIS H. MORIN, New York, N. Y., assignor to Cambridge Rubber Company, Cambridge, Mass., a Corporation of Massachusetts. Original application filed Oct. 7, 1926. Serial No. 140,005. Divided and this application filed May 11, 1928. Serial No. 277,009. 19 Claims. (Cl. 140—71.)

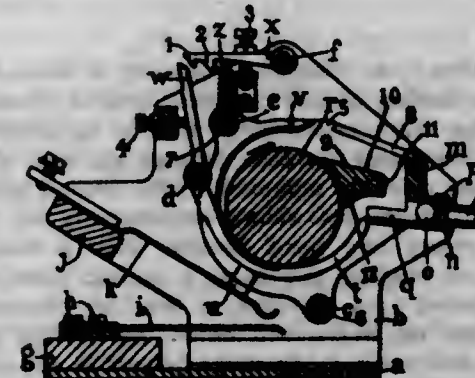


1. The herein described method of manufacturing flexible stringers composed of a plurality of links secured to a mounting strand which consists in feeding an endless metallic strand into a machine, severing the strand to form a workpiece of predetermined length, curling the ends of the workpiece to form loops on said ends, fashioning the central portion of the workpiece to form a loop therein, moving the looped ends into common alignment and with said loops encircling a strand normally positioned between said ends and then firmly compressing the last mentioned loops on said mounting strand to secure the same thereto.

1,737,263. METHOD OF TREATING GREENSAND AND THE LIKE. ARTHUR J. MOXHAM, Great Neck, N. Y., assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Filed Sept. 1, 1923. Serial No. 680,658. 3 Claims. (Cl. 23—126.)

1. The method of treating silicious minerals containing ferrous and ferric iron in combined form, which consists in first treating the mineral to produce a solution of mixed ferrous and ferric sulfates and thereafter adding metallic iron to the solution while at a temperature of over 90° C. to cause an energetic reaction between the metallic iron and the ferric sulfate.

1,737,264. MECHANISM FOR OPERATING ELECTRICAL CONTACTS AND OTHER DEVICES. ARTHUR SAMUEL NEWMAN, London, England. Filed Jan. 27, 1928. Serial No. 250,062, and in Great Britain Jan. 27, 1927. 8 Claims. (Cl. 200—1.)



1. In improved apparatus for operating various devices having in combination a rotating circular member, a

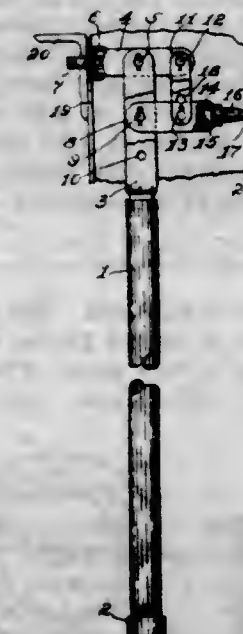
pivoted curved lever, a spring acting against the curved lever, a second spring adapted to be moved by the first spring, a catch carried by the curved lever, a pawl adapted to engage said catch, means for disengaging the pawl from the catch, a ball, means for driving the ball into a pathway between the curved lever and the rotating circular member, and means for returning the ball to its initial position after it has passed the curved lever, substantially as set forth.

1,737,265. LIGHTING FIXTURE. ALBERT J. D. OHM, Oak Park, Ill., assignor, by mesne assignments, to Beardslee Chandelier Manufacturing Co., Chicago, Ill., a Corporation of Delaware. Filed Sept. 7, 1928. Serial No. 304,405. 3 Claims. (Cl. 240—140.)



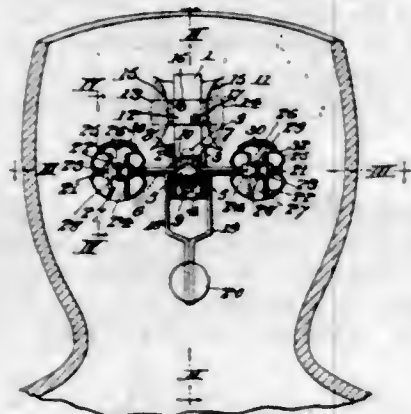
1. A lighting fixture comprising a support having tapered retaining means thereon, and a shade having an open back and rigid wedge shaped lugs to engage said retaining means for hanging and locking the shade on the support.

1,737,266. RIVET HOLDER. EDWARD N. OVE, Dike, Iowa. Filed Apr. 16, 1928. Serial No. 270,505. 1 Claim. (Cl. 78—53.5.)



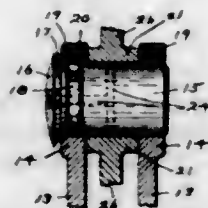
A device of the character described, comprising an elongated handle having terminal furcations, a rivet-holder medially pivoted between said furcations and having a cupped termination to fit upon a rivet-head, an arm having one end pivoted between said furcations for adjustment lengthwise thereof, said arm having its opposite ends hollowed lengthwise, a terminally dentated engaging member removably secured in the hollowed end of said arm, projecting oppositely relative to the cupped termination of said rivet-holder, and a link pivotally terminally connected to the opposite end of said rivet-holder and having its opposite part adjustably pivoted to the middle part of said arm.

1,737,267. MOUNTING FOR DOLLS' EYES AND THE LIKE. NUNZIO PAGANELLO, Brooklyn, N. Y. Filed Nov. 15, 1927. Serial No. 233,489. 8 Claims. (Cl. 46-40.)



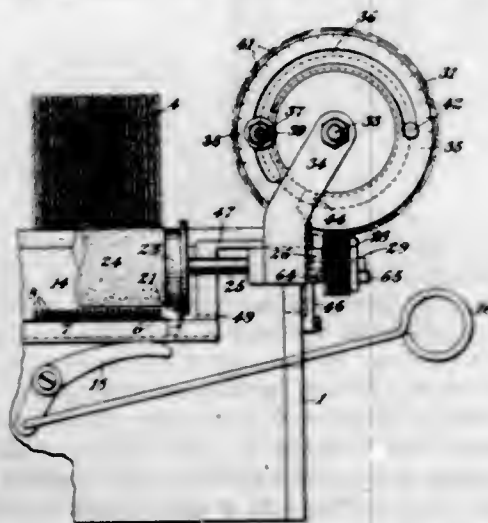
1. A mounting for dolls' eyes and the like comprising, a member provided with a pair of eye balls disposed to rock therein, a horizontally arranged strap fixed on the inside of the front wall of the doll's head and having a portion spaced therefrom for receiving said member between the strap and the doll's head, and an element carried by said strap for frictionally engaging and securing the member in position.

1,737,268. SHEAVE BLOCK. SYLVANUS H. H. PARSONS, Poughkeepsie, N. Y. Filed Mar. 12, 1928. Serial No. 261,067. 2 Claims. (Cl. 254-190.)



1. In a sheave block of the class described, comprising a housing formed with a base, and having two aligned bearings in said housing, a pin adapted to be mounted in said bearings, a head formed on one end of said pin and having an angular under side, and a groove formed adjacent thereto, said housing being provided with tapped holes at right angles to and communicating with said bearings, a locking screw threaded into one of said tapped holes and adapted to enter the groove in said pin for the purpose of locking the same within said bearings, and a sheave wheel or other movement transmitting member mounted on said pin.

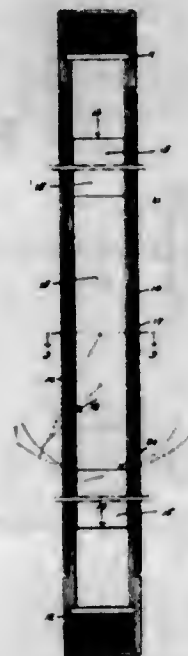
1,737,269. WINDING MACHINE. ALVA J. PARK, Paterson, N. J., assignor to Carpet Device Corp., New York, N. Y., a Corporation of New York. Filed Sept. 26, 1928. Serial No. 308,499. 12 Claims. (Cl. 28-55.5.)



1. In a yarn winding machine, the combination with yarn supplying means, yarn winding means and yarn lock-

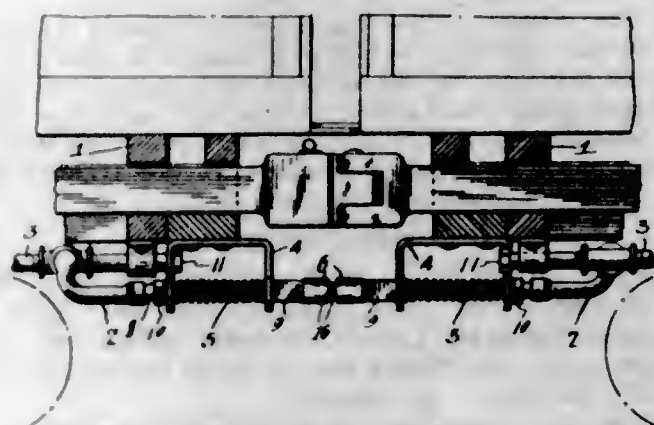
ing means, of means for unreleasably locking the yarn locking means against operative movement except at a predetermined point in the winding operation.

1,737,270. SELF-ADJUSTING LINER PUMP. SUMNER B. SARGENT, Los Angeles, Calif. Filed Sept. 28, 1927. Serial No. 222,630. 7 Claims. (Cl. 74-108.)



1. A liner pump barrel consisting of a barrel, a string of liner sections arranged end to end in said barrel and means, on said barrel, engaging the opposite ends of said string of liner sections, each of said liner sections consisting of a cylindrical member having a single enlarged portion intermediate its length for engaging the inner wall of said barrel.

1,737,271. AUTOMATIC COUPLING AND RELEASE OF AIR ON RAILROAD CARS. EDWARD SCHMOLL, Antigo, Wis. Filed Sept. 5, 1925. Serial No. 54,853. 1 Claim. (Cl. 284-5.)



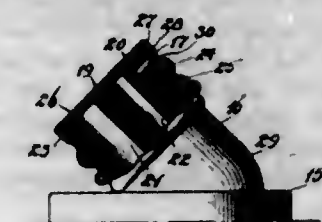
In a railway car coupling, opposed U-shaped frames, each frame having one arm formed with a circular aperture and the other arm formed with a rectangular aperture, a circular stem movable through the first opening, a square shank movably mounted in the second opening, an elongated head on the shank transversely of its outer end, said shank and head formed with a central bore with a valve seat in the bore, a spring actuated valve normally closed upon the seat, a head on the valve stem movable with the valve and extending beyond the outer face of the first head, an aperture formed in one side of the head and a pin at the other side of the head formed with a curved face adapted to rockably fit within the aperture of an opposed head, a yieldable gasket surrounding the

head on the valve stem, a coil spring on the stem within the U-shaped frame having one of its ends bearing against the inner end of the square shank and its other end bearing against the arm of the U-shaped frame having a circular aperture.

1,737,272. PRODUCTION OF MENTHOL. WALTER SCHÖLLER, Berlin-Charlottenburg, HANS JORDAN, Berlin-Steglitz and REINHARD CLERC, Berlin, Germany, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Filed June 29, 1928. Serial No. 289,325, and in Germany July 15, 1927. 3 Claims. (Cl. 260-153.)

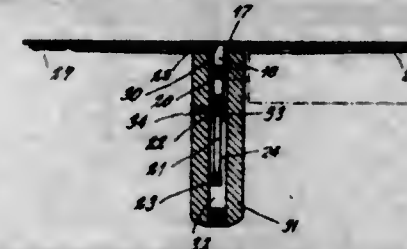
1. The process of producing menthol comprising heating an acyl compound of a condensation product from meta-cresol and acetone and treating the acyl compound of 3-methyl-6-isopropylphenol thus obtained with hydrogen in the presence of a hydrogenation catalyst until eight atoms of hydrogen have been taken up and subsequently saponifying the product.

1,737,273. BOTTLE CLOSURE. FRANK HODGKINS SILVESTHORNE, New York, N. Y., assignor to Scriptex Ink & Paste Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 17, 1927. Serial No. 192,152. 7 Claims. (Cl. 215-73.)



1. A bottle closure comprising a flat body portion provided with a cylindrical pouring nozzle with its axis inclined to the plane of the body portion, and terminating in a flat end, a pair of frusto-conical teats projecting from said flat end and with their reduced ends exposed, a pair of passageways extending through the nozzle and extending axially through said teats, and a cap in threaded engagement with the nozzle and provided with a compressible washer and adapted to have the outer reduced ends of the teats embedded therein as the cap is forced toward its final closing position sealing the outer ends of the passageways.

1,737,274. HAWK. JOSEPH SUDEK, Jr., East Paterson, N. J. Filed Nov. 2, 1927. Serial No. 230,479. 8 Claims. (Cl. 72-131.)

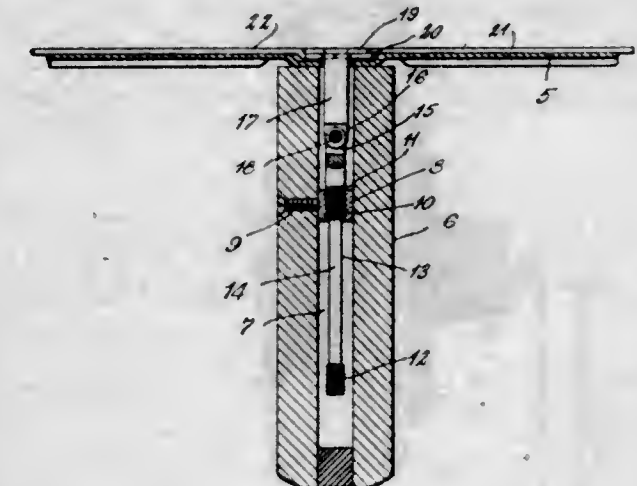


1. A tool of the class described comprising a mounting plate, a handle member on said plate, and a body portion consisting of a plurality of detachably coupled plates adapted to be mounted on said mounting plate in an edge to edge relation, said mounting plate extending longitudinally of and supporting the adjacent edges of said plates to form when said plates are coupled together, a large body portion having a flush outer face.

1,737,275. HANDLE MEMBER FOR TOOLS. JOSEPH SUDEK, Jr., East Paterson, N. J. Filed Nov. 2, 1927. Serial No. 280,480. 5 Claims. (Cl. 806-2.)

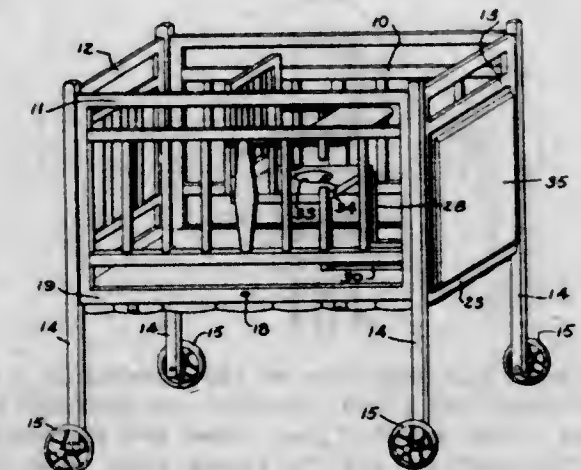
1. A handle member for tools, said handle member having an elongated bore within which is a reduced and com-

paratively short threaded bore, a rod having adjacent the outer end thereof, a threaded portion adapted to engage said threaded bore in securing a handle member to the body of a tool, a head on the inner end of said rod, a non-threaded portion on said rod intermediate said head and first named threaded portion, permitting free, longitudinal



movement of the handle with reference to said rod on said non-threaded portion, a coupling member movably connected with the outer end of said rod, said handle member and rod being movable into a position at right angles to the coupling member in one position thereof, and the inner head end of said rod being threaded to pass through the threaded bore of the handle.

1,737,276. COMBINATION CRIB AND PLAY PEN. LUCY TAGLIANO, Hoboken, N. J. Filed Mar. 5, 1927. Serial No. 173,021. 1 Claim. (Cl. 5-93.)

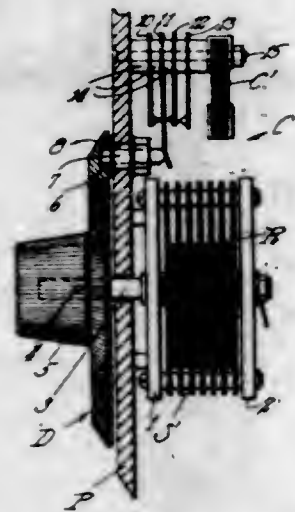


In a combined crib and play pen, a hollow framework, a combined bed supporting and play pen floor structure, means by which the floor structure is pivotally mounted in the framework for reversal about a horizontal axis, a foldable chair having means by which it may be folded in substantially flat formation, means pivotally mounting the chair on the floor structure and a recess in the floor structure in which the chair when folded is received and occupies a position flush with the adjacent surface of the floor.

1,737,277. VARIABLE-CAPACITY APPARATUS. CLARENCE D. TUSKA, Hartford, Conn., assignor, by means assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 28, 1925. Serial No. 12,354. 5 Claims. (Cl. 250-40.)

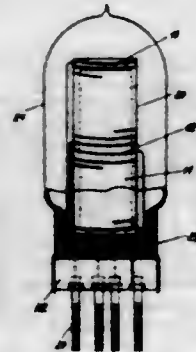
1. The combination with an oscillating circuit of a variable tuning apparatus therefor comprising two inde-

pendent tuning elements of variable value and a fixed tuning element of fixed value additively connective to one of said variable tuning elements, a rotor shaft, a single rotor coacting with said variable tuning elements fixed to said shaft, switching devices controlled by the rotation of said shaft to connect in said circuit only one of said variable



tuning elements during part of the complete 360 degrees rotation of said shaft and to connect in said circuit only the other variable tuning element and the fixed tuning element during approximately the remainder of the 360 degree rotation of said rotor shaft, and a dial knob fixed to said rotor shaft having control means circumferentially thereof for operating said switching devices.

1,737,278. COUPLING UNIT. BALTHASAR VAN DER POL, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a Corporation of New York. Filed May 22, 1925, Serial No. 32,130, and in the Netherlands June 20, 1924. 1 Claim. (Cl. 179-171.)

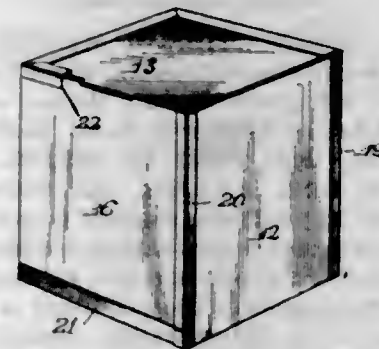


A coupling unit comprising an anode resistance, a leakage resistance, and a grid condenser, the condenser being arranged within a hollow glass vessel and the space between the condenser and the hollow glass vessel being filled with paraffin, the resistance elements being wound about the exterior of the glass vessel, the whole being enclosed in a vacuum tube having four contact pins to fit into the usual socket, the contact pins being connected with the respective ends of the resistance elements.

1,737,279. CEREAL EXTRACT AND PROCESS OF MAKING SAME. LEO WALLERSTEIN, New York, N. Y., assignor to Wallerstein Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 3, 1923. Serial No. 629,704. 9 Claims. (Cl. 195-32.)

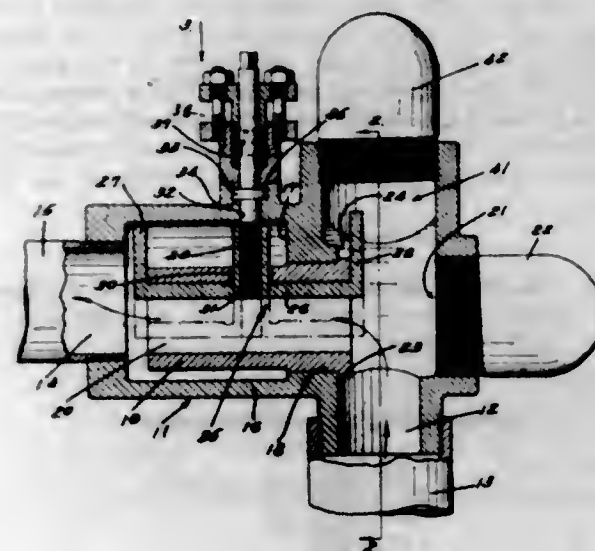
7. The process of making extracts resembling cereal extracts and having a high content of vitamin B, which comprises making an aqueous mash comprising malt and material consisting chiefly of wheat germs, subjecting the mash to the action of a proteolytic enzyme, whereby water insoluble proteins are rendered water-soluble, allowing the mash to undergo saccharification by the malt, separating the fluid extract from the solids, and then concentrating the fluid extract.

1,737,280. BOX. HARRISON B. WALTER, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a Corporation of Delaware. Filed Aug. 6, 1927. Serial No. 211,012. 1 Claim. (Cl. 229-28.)



A box made of fiber or paperboard, having a tubular body and top and bottom heads, said box comprising two blanks, a blank cut and creased to form three body sections of the tubular body, and a blank cut and creased to form the two heads, with the fourth body section extending lengthwise of the blank between them, the heads being provided with wide tongues at their free edges and the three body sections on the other blank having wide notches at their ends of the width of said tongues and of the depth equal to the thickness of the board, whereby when said tongues and notches are engaged the heads and body sections of the box present flush faces at the corners where they are interlocked, and an adhesive tape connecting the several separable parts of the box rigidly together.

1,737,281. FLOW NIPPLE. JOHN S. WATTS, New York, N. Y. Filed Mar. 16, 1927. Serial No. 175,745. 9 Claims. (Cl. 137-75.)

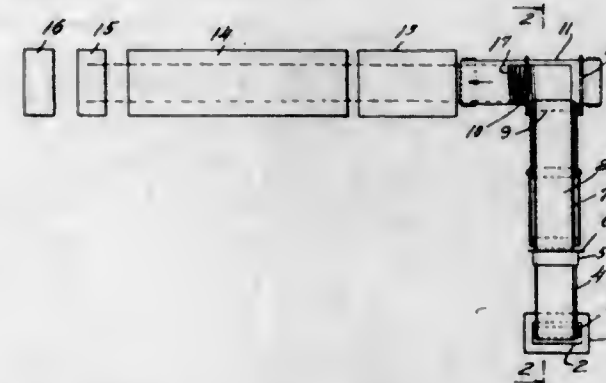


1. In a flow nipple for oil wells: a main body provided with an inlet opening and with an outlet opening; a separately replaceable throat element therein; and a flow-controlling element comprising a valve element which extends longitudinally of said throat element and has a face substantially parallel with the bottom of said throat element, said valve element being movable transversely.

1,737,282. FIBROUS MATERIAL AND METHOD OF MAKING SAME. HOWARD F. WEISS, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Filed Oct. 4, 1926. Serial No. 139,476. 56 Claims. (Cl. 92-39.)

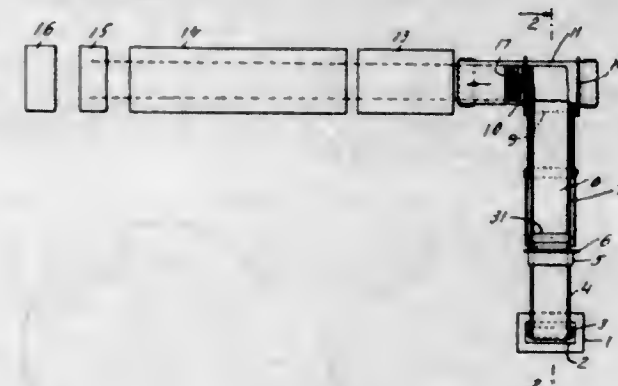
1. As an article of manufacture, a fibrous sheet comprising a succession of overlapping folds of pulp web having

edges extending in transverse relation to the machine direction of the sheet, said edges being regularly spaced from each other in the machine direction of the finished sheet.



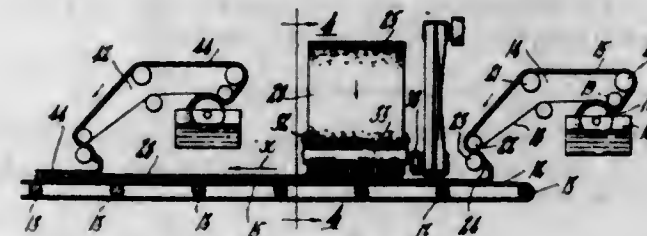
37. The method of making a fibrous sheet which comprises laying down a continuous series of overlapping folds of moist pulp webs, and then pressing said moist pulp webs into a coherent sheet.

1,737,283. MULTIPLY PAPER MACHINE. HOWARD F. WEISS, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Filed Nov. 12, 1928. Serial No. 318,957. 26 Claims. (Cl. 92-39.)



1. In a machine of the character described, means for laying down overlapping folds of moist pulp web.

1,737,284. LAMINATED PULP BOARD AND PROCESS OF MAKING THE SAME. RALPH L. LOOMIS, Bedford, Mass., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Filed Aug. 5, 1926. Serial No. 127,291. 11 Claims. (Cl. 92-39.)

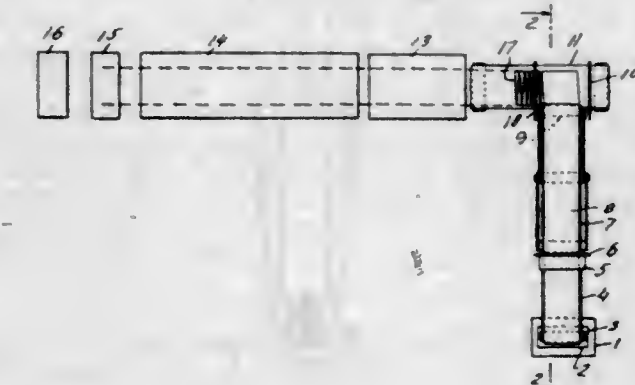


1. That improvement in the continuous process of making a laminated strip from semi-fluid pulp which consists in forming, on a rotary cylindrical mold, a web in which the grain extends longitudinally, transferring the web while wet, from the mold to a supporting conveyer, again transferring the wet web from the conveyer to a roll beside the conveyer, detaching the web from the periphery of the roll by a doctor, allowing the detached portion of the web to drop upon a substantially horizontal support, moving the support longitudinally in close proximity to the doctor, and reciprocating the dropping portion of the web crosswise of the support, to form a strip composed

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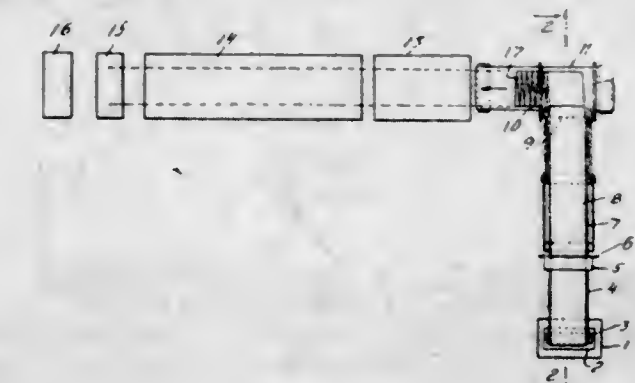
of zigzag outer and inner stretches parallel with the grain, crossing each other, and caused by the wetness of the pulp to adhere to each other, the grain of the outer stretches crossing that of the inner stretches, and drying the strip to stiffen it and increase the adhesion of the stretches to each other.

1,737,285. LAMINATED FIBROUS SHEET. MAX KLIEFOTH, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Filed Oct. 25, 1928. Serial No. 314,911. 8 Claims. (Cl. 92-39.)



1. The step in the method of making a fibrous sheet of uniform thickness which comprises laying down a plurality of narrow moist pulp webs simultaneously in contacting side-by-side relation transversely upon a moving conveyor to form a plurality of overlapping folds of pulp webs.

1,737,286. TAPERED FIBROUS SHEET. MAX KLIEFOTH, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Filed Oct. 20, 1928. Serial No. 313,687. 29 Claims. (Cl. 92-39.)

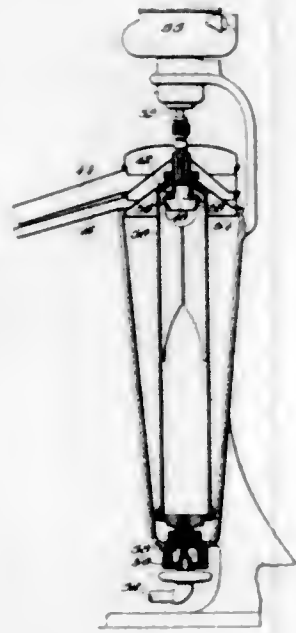


1. As an article of manufacture a fibrous sheet successively increasing and decreasing in thickness along the machine direction of said sheet, comprising overlapping folds of pulp web having edges extending in transverse relation to the machine direction of said sheet, said edges being spaced from each other in the machine direction of the finished sheet in successive series of decreasing and increasing distances.

1,737,287. CENTRIFUGE. WILLIAM BURTON WESCOTT, Wellesley, Mass., assignor to American Protein Corporation, Boston, Mass., a Corporation of Massachusetts. Original application filed Dec. 5, 1922, Serial No. 605,090. Divided and this application filed June 17, 1925. Serial No. 37,688. 6 Claims. (Cl. 223-21.)

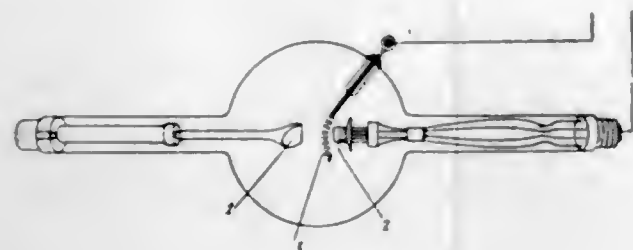
1. A centrifuge for completely separating the red corpuscular matter from animal blood comprising a bowl, means for rotating the bowl at high speed, a delivery

nozzle for introducing the blood stream to within the bowl, positioned so as to cause, during the operation of the centrifuge, the entering blood stream to initially impinge upon a slowly rotating wall of blood, the portion of the interior of the centrifuge bowl within which the



blood is brought up to speed being entirely devoid of obstructions, a plurality of vanes positioned in the upper portion of the bowl, and a tapered dam located centrally in the upper portion of the bowl and cooperating with the vanes to accomplish a complete separation of the inner and outer portions of the blood.

1,737,288. VARIABLE ILLUMINANT. GEORGE MAURICE WRIGHT, Chesterfield, and RICHARD NORMAN VVYAN, Hampstead, London, England, assignors to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 20, 1926, Serial No. 89,565, and in Great Britain Mar. 6, 1925. 2 Claims. (Cl. 178-7.)



1. The method of producing a visible indication of picture impulse signals in a system including an X-ray tube for producing a glow for sensitizing the recording surface in accordance with the received signal impulses, which comprises, receiving and amplifying signals, limiting the strength of the received signals, to a pre-determined value, rectifying the received signals, and controlling the X-ray radiation of said X-ray tube in accordance with the said signals of limited intensity.

1,737,289. HAT PROTECTOR. WILLIS H. YOUNG, Pompton Lakes, N. J., assignor, by mesne assignments, to Norman C. Mendes, New York, N. Y., trustee of Evernu Corporation, bankrupt. Filed June 12, 1926, Serial No. 115,428. Renewed Jan. 11, 1929. 1 Claim. (Cl. 2-187.)

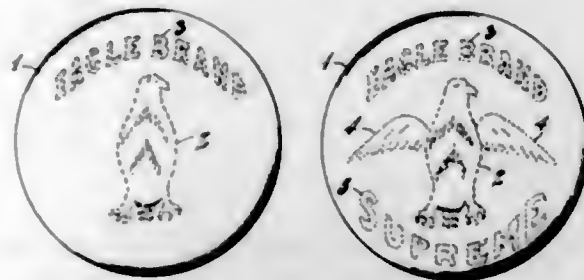
The herein described combined hat protector and container, the protector being in the nature of a large bag of

thin elastic material having an opening at one end, while the container is in the nature of a small receptacle and likewise of elastic material and provided in one side with a small opening, the bag and the container being



attached directly together at points remote from the openings of said protector and container whereby in one position they are otherwise free from each other but adapted to be manipulated to bring the bag inside of the container.

1,737,290. ANIMATED SIGN. REN M. ANDERSON, Cincinnati, Ohio. Filed Apr. 19, 1929. Serial No. 356,358. 7 Claims. (Cl. 40-150.)



1. A sign comprising a transparent element having immediately at its rear side patches of translucent material of contrasting appearance and having on the rear side of one patch an additional patch of translucent material of appearance contrasting with said one patch, said one patch being so constituted as to mask said additional patch in respect of reflection forwardly, but to be translucent along with said additional patch in respect of illumination from the rear of said patches, and means for supplying said illumination intermittently.

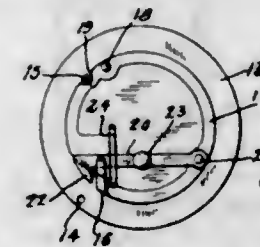
1,737,291. DOOR PEEP. KARL BAKER, Bronx, N. Y. Filed June 16, 1928. Serial No. 247,083. 1 Claim. (Cl. 20-39.)



A door-peep for metal doors having a perforation therein, a circular metal body having a central opening and

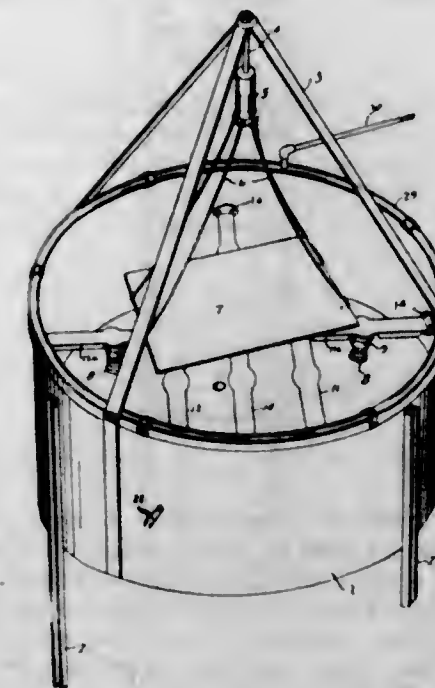
adapted to be screwed into the door perforation, an outer funnel-shaped face on said body having a bevelled margin, an inner perforated face made integral with said body, a lens held between both faces of said body allowing an inspection of a person in front of the outer door frame from within, and a cover for the door peep pivotally secured at one end of the inner face of said body, and an operating knob on the other end of said cover.

1,737,292. OBSERVATION DEVICE. KARL BAKER, Bronx, N. Y. Filed Nov. 3, 1928. Serial No. 316,993. 2 Claims. (Cl. 20-39.)



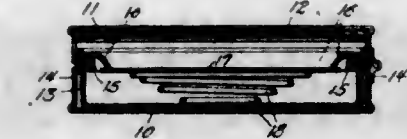
1. Observation device comprising a body having a centrally located peep opening and means for securing and holding said body to a support, said means allowing an adjustment to the thickness of the material of said support, a cover for said peep opening pivotally attached to said body, and having a recess in its periphery, said cover allowing a turning about its pivot to uncover the peep opening, a hook on said body, and means on said cover for engaging said hook to lock said cover automatically in its closing position after said dropping into closing position under its own weight, and a pin on said body adapted to engage the peripheral recess of said cover.

1,737,293. ENAMEL DRIER. JOHN E. BIRCH, Detroit, Mich. Filed Aug. 29, 1927. Serial No. 216,097. 6 Claims. (Cl. 219-19.)



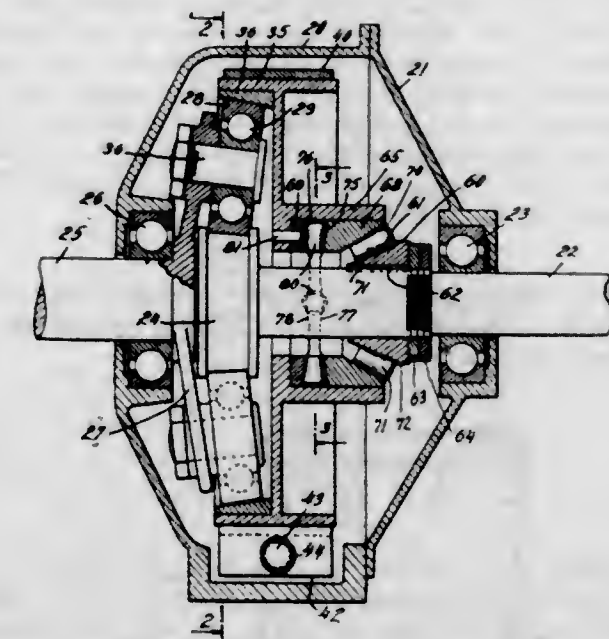
1. In a device of the character described, the combination with an open-topped receptacle, and a plurality of heating units within said receptacle, of a frame supporting said units comprising a plurality of sections independently removable from the receptacle, a member removably mounted within the receptacle detachably carrying corresponding ends of said sections, electrical conductors extending respectively upon said member and upon said sections for delivering current to said units, and means for establishing a quick detachable connection between the conductors on said member and on said sections.

1,737,294. RECEPTACLE FOR FACE POWDERS. PHILIP C. P. BOOTH, Chicago, Ill., assignor to Michael T. Daley, Chicago, Ill. Filed Feb. 25, 1926. Serial No. 90,474. 28 Claims. (Cl. 132-83.)



1. A receptacle for face powder and the like, comprising in combination a casing member, a second casing member held by friction in tight engagement therewith, one of said casing members having an opening therethrough independently of the openings at the point where the members are frictionally connected, a plate on the inner face of the casing wall adapted to close said opening and held by engagement with a part of the casing in spaced relation to said opening against displacement edgewise out of operative position with respect to the opening, and spring means adapted normally to hold said plate yieldingly in closing position.

1,737,295. FRICTION-DRIVE REDUCTION GEARING. WILHELM B. BRONANDER, Montclair, N. J. Filed Feb. 17, 1927. Serial No. 168,848. 1 Claim. (Cl. 74-34.)

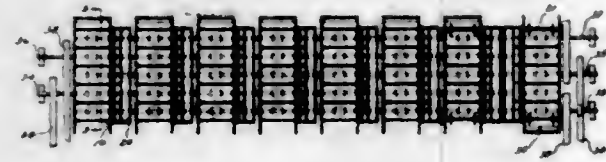


Transmission mechanism comprising a drive shaft, a driven shaft, friction planetary gears operatively connecting one of said shafts to the other shaft, said planetary gears comprising a conical friction pinion connected to the drive shaft, a spider connected to the driven shaft and having conical friction planet gears engaging the friction pinion, a friction ring gear having an internal conical surface in frictional engagement with the planet gears, means for holding one of the movable planetary gear elements against rotation, and means operative to move the friction gear elements into tight, frictional wedging and driving relation when said drive shaft is rotated, comprising a thrust member carried on one of said shafts and a reaction member fixed to one of said planetary gear elements, and a tapered roller element located between said members for imparting longitudinal movement to said reaction member.

1,737,296. APPARATUS FOR SCREENING PAPER STOCK. ANDREW J. BROOKOVNA, Downingtown, Pa. Filed Oct. 3, 1928. Serial No. 309,957. 3 Claims. (Cl. 92-32.)

2. Apparatus for screening paper stock comprising a series of screen boxes, each box having a plurality of

flexible diaphragms, arranged laterally of the series of boxes, screen means associated with said diaphragms in said boxes, a device for vibrating each diaphragm, and means for operating said devices comprising a series of

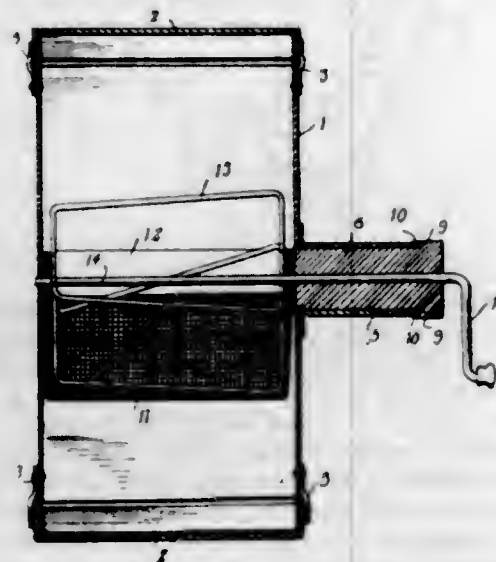


shafts, each shaft being arranged below the entire series of boxes and in parallel arrangement with each other, and means on each shaft for operating a device of each box.

1,737,297. PROCESS OF PRODUCTION OF ALKALI CARBONATES AND AMMONIA BY SAPONIFICATION OF CALCIUM CYANAMIDE. MAX BUCHNER, Hanover-Kleefeld, Germany. Filed July 27, 1928, Serial No. 125,323, and in Germany July 21, 1924. 7 Claims. (Cl. 23-195.)

7. A process of producing alkali metal-carbonate and ammonia by saponifying in solution calcium-cyanamide in the presence of alkali-metal-fluoride, separating the solution, heating it to liberate ammonia and form alkali metal carbonate, reprecipitating the alkali-metal-fluoride from the calcium-fluoride resulting from saponifying, while the calcium fluoride is converted into calcium-chloride, treating the calcium chloride with ammonia in presence of water and carbon-dioxide to produce calcium carbonate and ammonium-chloride and producing the carbon dioxide necessary for the last step, from the carbon in the calcium-cyanamide and liberated during the production of calcium-cyanamide from calcium-carbide.

1,737,298. REVERSIBLE SIFTER. FRANK CLARK, Davenport, Iowa. Filed Sept. 25, 1928. Serial No. 308,259. 2 Claims. (Cl. 209-251.)

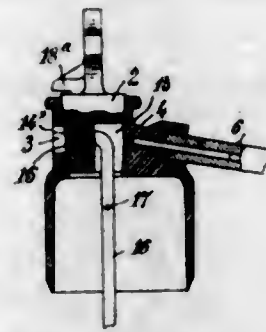


1. A household sifter comprising a body, a tubular extension projecting from a side of the body, a reversible screen within the body, a plug slidably connected with the screen and slidably and rotatably mounted in the said tubular extension, and inter-engaging means between the plug and tubular extension for securing the screen in either extreme position.

1,737,299. ATOMIZER. MARCEL CUEL, Paris, France, assignor to Societe du Vaporisateur le Frisson, Paris, France. Filed Apr. 5, 1927, Serial No. 181,095, and in France June 18, 1926. 1 Claim. (Cl. 299-89.)

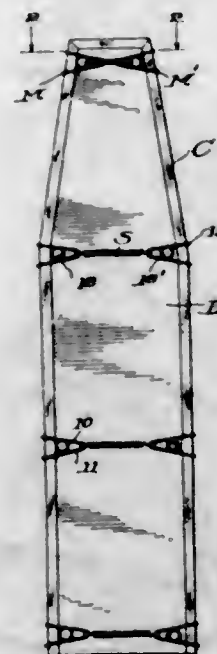
An atomizer comprising in combination, an inverted cup shaped member adapted to fit the neck of a bottle or

container and having a relatively thick end in which is formed a vertical bore, said end having two diametrically opposite lateral openings, a rubber tube for compressed air communicating with one of said openings, a stopper rotatably mounted in said bore and having a slot opening at the bottom and side adapted to register with said



opening and having a recess registering with the other opening and having a substantially horizontal aperture between said slot and recess and an atomizing tube secured in said aperture with its end projecting into said recess and formed with a restricted opening, said tube being bent so as to extend substantially vertically through said slot.

1,737,300. HOLDING DEVICE FOR IRONING-BOARD COVERS. JOSEPH H. DAYTON, Los Angeles, Calif. Filed Mar. 24, 1928. Serial No. 264,535. 8 Claims. (Cl. 24-81.)

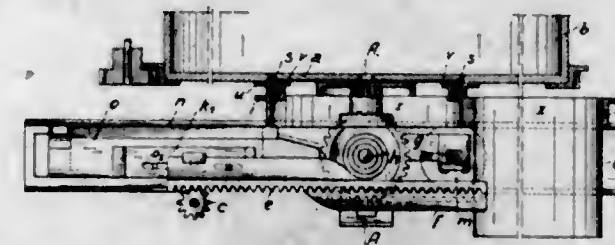


1. As an article of manufacture, a pair of members, each comprising a pair of arms connected at one of their ends to form a bight and spaced apart at their other ends, extensions projecting laterally from the other ends of the arms and having hooked portions, an eye intermediate the ends of the arms and disposed substantially flatwise and between the latter, and resilient means movably connected to the members and capable of being shifted to connect the bights of the members, or the eyes of the members, or the bight of one member with the eye of the other member.

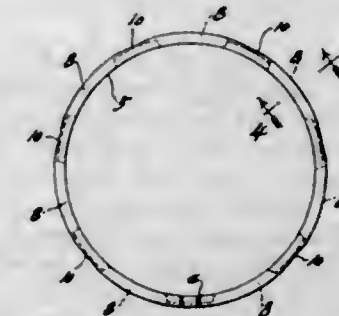
1,737,301. CLOSING MEANS FOR DISCHARGE ORIFICES. LUDWIG EIRICH and JOSEPH EIRICH, Hardheim, Germany. Filed Mar. 26, 1929, Serial No. 350,037, and in Germany Mar. 5, 1928. 7 Claims. (Cl. 259-28.)

1. Closing mechanism for the discharge outlet of mixing and stirring machines, comprising a sliding plate, a

closure for said outlet carried by said plate, means on the plate to vertically move the closure and means to reciprocate said plate and also to operate the vertical moving means for the closure before and after reciprocating the plate.

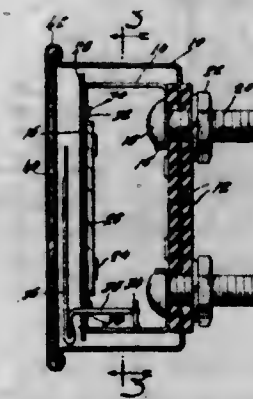


1,737,302. NOTCHED-FACE PISTON RING. LOCKWOOD B. ELLIS, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 31, 1927. Serial No. 179,913. 6 Claims. (Cl. 74-109.)



1. Means to lubricate the contacting surfaces between a cylinder and a reciprocating piston therein, including an oil sealing ring carried by the lower end of the piston in sliding engagement with the cylinder wall, having a series of circumferentially spaced indentations extending entirely across the peripheral face thereof and forming passageways for passage of oil from the crank case beyond said ring.

1,737,303. AMMETER—MAGNETIC-POINTER TYPE. JESSE E. ESHBAUGH, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed July 15, 1927. Serial No. 206,002. 9 Claims. (Cl. 171-95.)

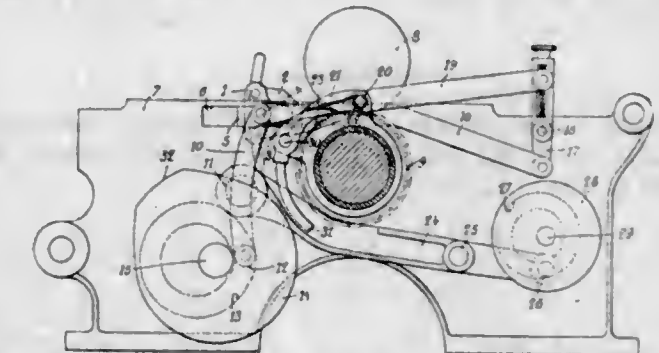


1. An ammeter comprising a conductor, a permanent magnet fixed adjacent thereto, and a pivoted needle of magnetic material extending along the axis of said conductor.

1,737,304. PLAINTING MACHINE. GEORGES EZELENT and ROGER EZELENT, Paris, France, assignors to Ezelement Frs, Paris, France. Filed June 16, 1928, Serial No. 286,038, and in France Mar. 7, 1928. 5 Claims. (Cl. 223-44.)

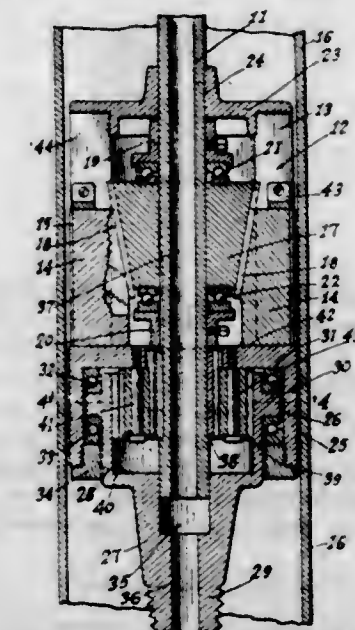
1. In a plaiting machine, a knife carrier, two rotatable drums, means for reciprocating said knife carrier towards

and away from said drums, means for changing the stroke of the knife carrier at the end of the backward stroke of the knife carrier, means for rotating the drums during



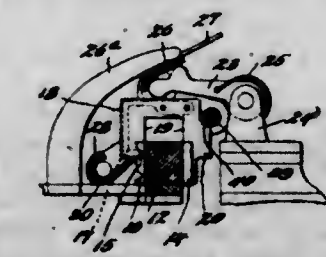
said backward stroke of the knife carrier and means adapted to make said drum rotating means inoperative during the operation of said stroke changing means.

1,737,305. FISHING-TOOL ATTACHMENT. CHARLES T. FLEMING, Santa Fe Springs, Calif. Filed May 11, 1927. Serial No. 190,635. 5 Claims. (Cl. 255-35.)



1. A fishing tool attachment comprising in combination a body structure having radial slots forming slideways, a cap secured to the top of the body structure, a hub rotatably mounted on the lower end of the body structure, a stem slidably mounted through the cap and through said body structure, upper and lower collars secured to the stem, a wedge block surrounding the stem, thrust bearings between the said collars and the wedge block, slips mounted in the slideways engaging the said wedge block, and a system of gearing between the stem and the hub to rotate the hub in an opposite direction to that of the stem.

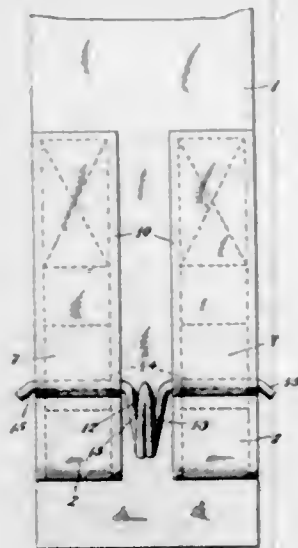
1,737,306. KEY-SET TABULATOR FOR TYPEWRITING MACHINES. CARL GABRIELSON, Syracuse, N. Y., assignor to L C Smith & Corona Typewriters Inc., Syracuse, N. Y., a Corporation of New York. Filed Mar. 4, 1926. Serial No. 92,307. 7 Claims. (Cl. 197-179.)



1. In a tabulating mechanism for typewriting machines the combination with a tabulator rack mounted on the

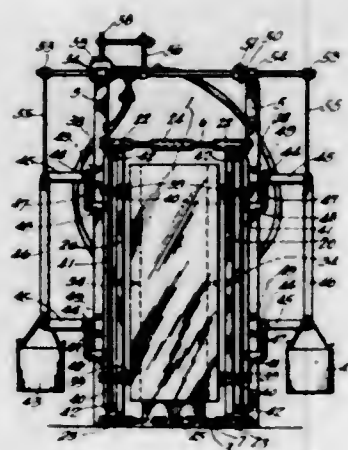
carriage, and tabulating stops movable on said rack, of an arm pivoted on the frame of the machine and overlying said rack and stops and a blade or universal bar pivoted on the carriage and adapted when rocked to depress the arm and set a stop to operative position.

1,737,307. BACKBAND. WILLIAM P. GIDEON, Birmingham, Ala. Filed Feb. 1, 1929. Serial No. 336,802. 6 Claims. (Cl. 54-55.)



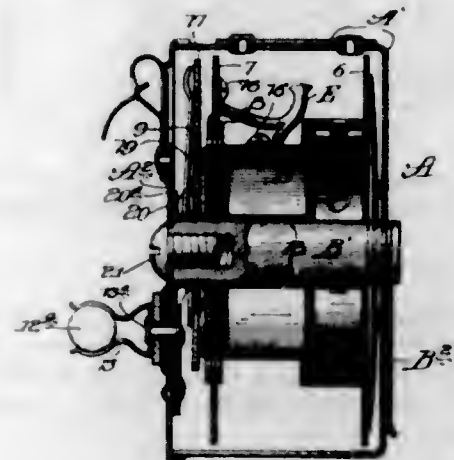
1. A back strap comprising an elongated body of pliable material, strips applied to said body in transversely spaced relation to each other and folded to provide eyes disposed one above another, the eyes of one strip being opposite the eyes of the other strip, and a hook adapted to be suspended from selected eyes and having a bill portion disposed between the strips and arms extending transversely therefrom to extend through the eyes and having abutments at their ends to prevent the arms from slipping out of the eyes.

1,737,308. STEAM SCORING MACHINE FOR ICE. EARL S. HENRY, Medford, Okla. Filed Aug. 20, 1928. Serial No. 300,780. 5 Claims. (Cl. 101-9.)



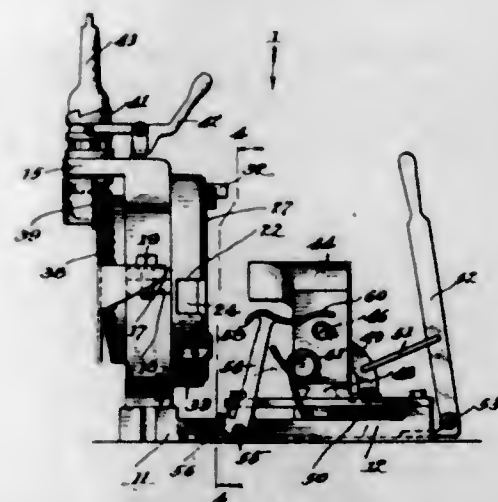
1. A machine as described, for scoring ice, having a base and supporting frame, a hollow gridiron manifold member adapted for steam heating and for scoring blocks of ice to a predetermined depth, weight means for controlling said gridiron member, flexible means for preventing injury to said device by unwarranted force being exerted thereon, means for loading and unloading blocks of ice to and from said frame.

1,737,309. ELECTRIC-REEL SWITCH. WOLFGANG HERMANN, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 20, 1926. Serial No. 82,522. 11 Claims. (Cl. 200-153.)



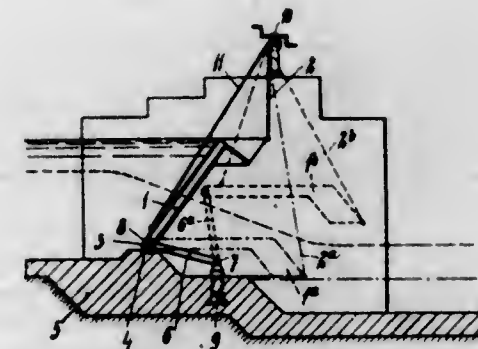
1. In means of the character set forth, the combination of a frame, a spring-actuated reel mounted therein and equipped at one end with an annular contact-member, an electric cord connected with said contact-member and adapted to be wound upon said reel, a contact-member mounted on said frame and co-acting with said first-named contact-member, and an independently movable contact-maker-and-breaker interposed between said contact-members and journaled co-axially with said reel and actuated through a limited arc by the reel and permitting the reel to continue its rotation while the contact-maker-and-breaker remains at rest.

1,737,310. THREADING MACHINE. WILLIAM L. HOWLETT, Los Angeles, Calif. Filed May 4, 1927. Serial No. 188,638. 7 Claims. (Cl. 10-96.)



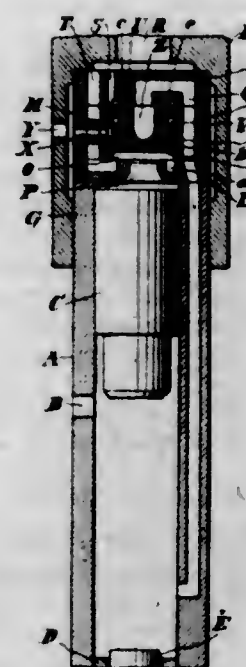
1. A threading machine comprising in combination a hollow rotatable shaft, a back plate mounted on said shaft, means forming a support and journal for said shaft, dies slidable inwardly and outwardly on the back plate, a face plate mounted on the back plate and having cam means interengaging with the dies to shift the dies, said face plate having an arcuate slot, a clamping device attached to the back plate extending through said slot to clamp the face plate to the back plate, a stop lug on the face plate, a slidable work holder, means actuated by the movement of the work holder towards the face plate to engage the clamping device and release same to unclamp the face plate, said means engaging the stop lug and shifting the face plate relative to the back plate, and means on the back plate to allow rotational movement of the stop lug and face plate with the back plate.

1,737,311. WEIR SHUTTER. FRANTIŠEK JERMAR, Opava, Czechoslovakia. Filed June 13, 1927. Serial No. 198,595, and in Czechoslovakia Jan. 5, 1927. 1 Claim. (Cl. 61-26.)



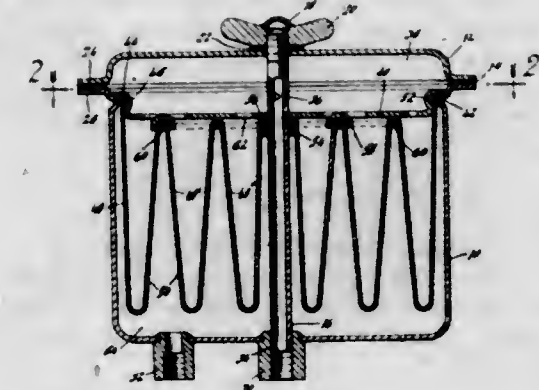
A weir of the character described comprising a weir shutter having a cylindrical lower edge, a tightening strip supporting the shutter by contact with said edge, links pivoted at one end to fixed supports situated at the low-water side of the weir and at the other end to the cylindrical edge of the shutter so as to form hinge elements and struts for the same, and cables for adjusting the shutter about the hinge elements and for raising it about the fixed link supports.

1,737,312. VALVE FOR PNEUMATIC TOOLS. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 23, 1928. Serial No. 256,276. 2 Claims. (Cl. 121-18.)



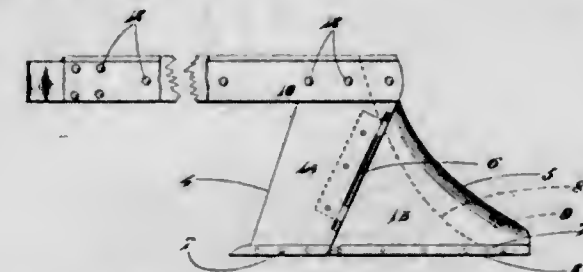
1. In a pneumatic tool, the combination of a cylinder and a piston, a free exhaust port in the cylinder controlled by the piston, a valve chest having a valve chamber, a vent affording communication between the valve chamber and the atmosphere, inlet passages leading from the valve chamber to the cylinder, supply passages leading from a source of pressure fluid supply to the ends of the valve chamber, a valve in the valve chamber controlling communication between the supply passages and the inlet passages, opposed pressure areas on the valve constantly exposed to pressure fluid for throwing the valve, and crossed passages in the valve affording communication between the inlet passages and the vent for exhausting compression from the ends of the cylinder whenever one or the other of the crossed passages register with the vent.

1,737,313. GRAVITY FILTER. HERBERT GEORGE KAMRATH, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed Sept. 16, 1927. Serial No. 219,963. 13 Claims. (Cl. 210-154.)



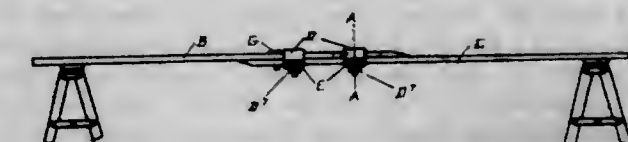
1. In a filter, means for suspending a filtering material from one end so as to maintain it free of the top and bottom of the filter, said filtering material suspended from said means in concentric folds, said means having a plurality of concentric orifices conforming to said folds, and an inlet and an outlet to said filter.

1,737,314. CHANNEL-FORMING APPARATUS FOR TELEPHONE AND THE LIKE CABLES. JOSEPH ANNING KIRBY, Wyndham, Southland, New Zealand. Filed July 1, 1926. Serial No. 119,964. 1 Claim. (Cl. 111-5.)



An improved channel forming apparatus for the laying of telephones and like cables, comprising a channel forming member including two independent parts connected for horizontal pivotal movement, the forward part being formed with a forwardly and downwardly sharpened edge and a forwardly and downwardly inclined rear edge and the rear part having its front edge inclined to correspond with the inclination of the rear edge of the forward part and its rear edge curved to form a channel to afford a passage for the cable to be laid, an inclined hinge connection between the rear edge of the forward part and the front edge of the rear part, a shoe carried by each part and detachably connected thereto, said shoe being adapted to form a passage in the ground below the upper surface thereof into which the cable passing through said channel is adapted to be laid, a ground engaging means for supporting the channel forming apparatus, and means whereby the channel forming apparatus may be adjusted relative to the ground engaging means for varying the cutting depth of such apparatus.

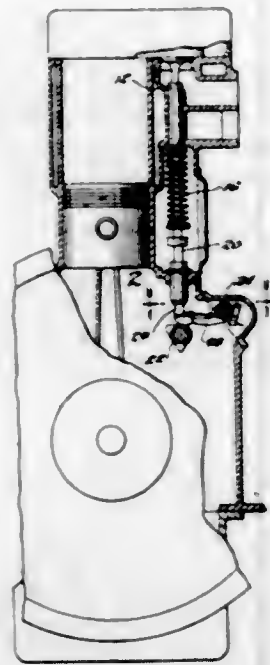
1,737,315. EXTENSION PLANT. DONALD J. MACDONALD, Cambridge, Mass. Filed Dec. 10, 1927. Serial No. 239,122. 2 Claims. (Cl. 304-40.)



1. An extension device comprising a pair of superposed planks overlapping throughout a portion of their lengths

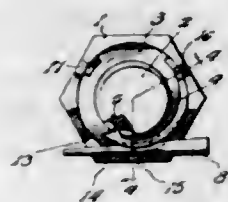
and slidable longitudinally with respect to each other to increase the over-all length of the device, said planks having registering openings for receiving positive and removable securing means therethrough, and the overlapping portions of said planks being received in spaced keepers, each of which engages about the upper surface of the top plank and down across the edges of both planks to hold the planks in registry one above the other, and each keeper having a hinged clamping member extending across the bottom surface of the lower plank to clamp the planks together and retain them in the keepers.

1,737,316. VALVE MECHANISM. WILLIAM H. MAN-
NING, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 1, 1928. Serial No. 258,282. 11 Claims. (Cl. 123—90.)



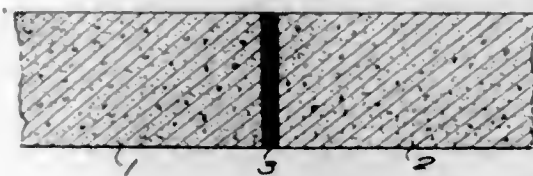
1. In an internal combustion engine, the combination of two valve actuating members, a pivotally supported rocker arm adjacent each member and movable with its respective member, a wedge resiliently held between said rocker arm and member, and means operated by rocking of one rocker arm for removing the other wedge from its position relative to the other rocker arm.

1,737,317. NUT LOCK. ABRAHAM G. MARTIN, Jeannette, Pa. Filed Aug. 24, 1927. Serial No. 215,192. 1 Claim. (Cl. 151—24.)



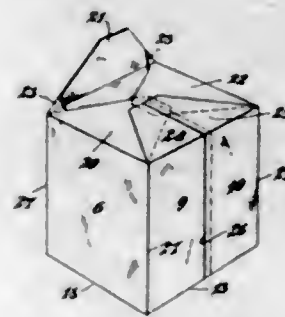
A nut locking device including a threaded bore and an annular nut having a recess in its outer end communicating with the bore, the nut being provided with a socket leading from the recess, a dog disposed in the recess and having one end portion formed with a lug for engagement in the socket to hold the dog against endwise movement, means adjustably carried by the nut to coast with the dog for binding the dog in engagement with a bolt, and a lug extending from the outer end of the nut and bent inwardly into overlying engagement with the dog to hold the lug thereof in the socket.

1,737,318. EXPANSION JOINT. ROBERT E. MARTIN, deceased, Jackson, Miss., by Madie Parsons Martin, administratrix, Jackson, Miss. Filed May 25, 1929. Serial No. 365,997. 6 Claims. (Cl. 94—18.)



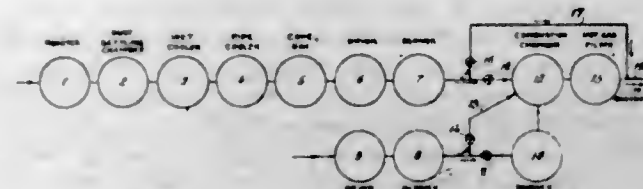
3. An expansion joint for concrete paving and the like comprising a slab formed from exploded and compressed fibrous material and impregnated with asphaltic material.

1,737,319. AIR-TIGHT LINER FOR EGG CRATES. RICHARD A. McDONALD, Oakland, Calif., assignor to Western Waxed Paper Company, Oakland, Calif. Filed Oct. 30, 1925. Serial No. 65,724. 2 Claims. (Cl. 217—3.)



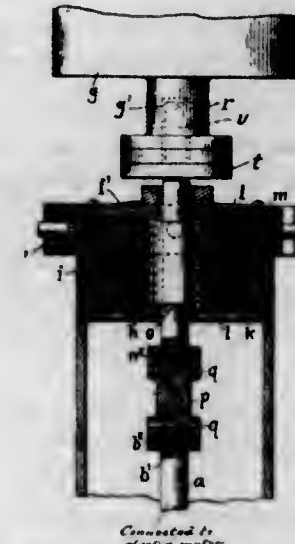
1. A liner blank having side and flap cover portions, said flaps being of the type adapted to be sealed by pressure and of such length as to overlap each other when in normal folded relation and having when the liner is in flattened blank form opposing edges which are spaced apart to form a substantial sized opening therebetween, and web portions disposed between the adjacent corners of said flaps and substantially at the bottom of said opening whereby when said flaps are folded over each other a substantial sealing area will be had between said flaps and the corners of the sides of said liner while the remaining portion of the overlapping flaps will include only a single thickness of each flap, said sides and flaps being so arranged that said flaps may retain their flattened shape while being folded over each other.

1,737,320. CONTACT PROCESS FOR MANUFACTURING SULPHURIC ACID. HENRY F. MERRIAM, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1927. Serial No. 240,664. 14 Claims. (Cl. 23—179.)



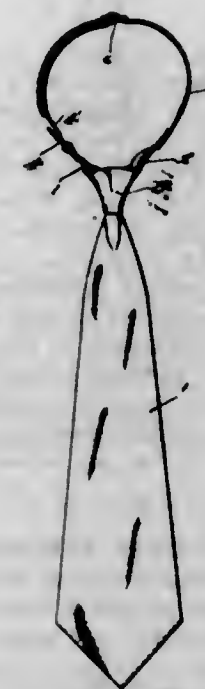
1. The improvement in the method of manufacturing sulphuric acid by the contact process which comprises subjecting a relatively impure sulphur dioxide gas to a cold purification treatment, and mixing therewith, following the purification step, a stream of relatively pure sulphur dioxide gas.

1,737,321. ELASTIC COUPLING. PAUL MINCK, Petersdorf, Germany. Filed May 28, 1925, Serial No. 33,477, and in Germany June 3, 1924. 11 Claims. (Cl. 118—40.)



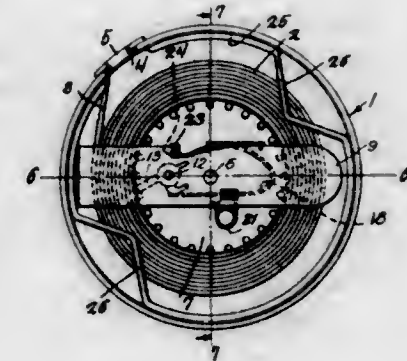
1. A spinning centrifugal, comprising the combination with a lower vertical spindle and means for rotating it; of a normally aligned upper spindle, a spinning pot on the upper end of the upper spindle and means connecting the aligned spindles permitting lateral displacement of the upper spindle with respect to the lower spindle without any practical loss of parallelism between the axes of the spindles.

1,737,322. FOUR-IN-HAND TIE STRUCTURE. DAVID C. MINTON, Norfolk, Va. Filed July 3, 1928. Serial No. 290,104. 2 Claims. (Cl. 2—155.)



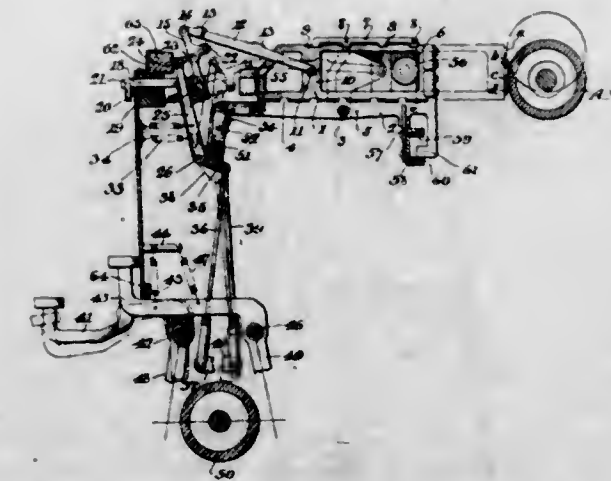
1. In a method of tying a four-in-hand tie wherein the tie is constructed of front and rear separate sections, in tying a loose knot at one end of the rear section, inserting the front section at one end thru the loose knot, and then tightening the said knot, looping the opposite end of the front section around the knot structure, and disposing the same forwardly of the knot structure, and then through said loop, and tightening the said loop.

1,737,323. RATCHET MECHANISM. ARTHUR A. MORSU, Flint, Mich. Filed Oct. 27, 1927. Serial No. 229,246. 3 Claims. (Cl. 242—S4.9.)



1. A ratchet structure of the character described, comprising a spring-controlled rotary member, a shiftable main spring, a pivoted trigger member for engagement with said spring, engaging members carried by said rotary member to engage said trigger, springs for shifting said main spring in two right-angularly related lines for the operation of the ratchet.

1,737,324. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 18, 1927. Serial No. 226,954. 10 Claims. (Cl. 197—17.)

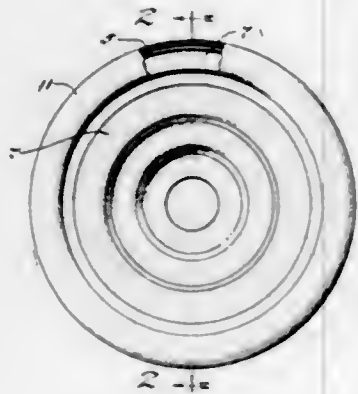


1. A type action comprising a slidable type bar provided with a plurality of groups of type, key levers associated with the type bar and corresponding in number to the number of type in each group, means for operating said type bar which include a pair of toggle links, a resilient stop engageable by one of said links when the toggle is straightened, a lever pivoted to a fixed support and connected to one of said links, and means for independently operating said lever by the depression of any key lever.

1,737,325. INTERNAL-BRAKE DUST GUARD. HERMAN C. OLIVIER, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 6, 1928. Serial No. 252,273. 6 Claims. (Cl. 188—218.)

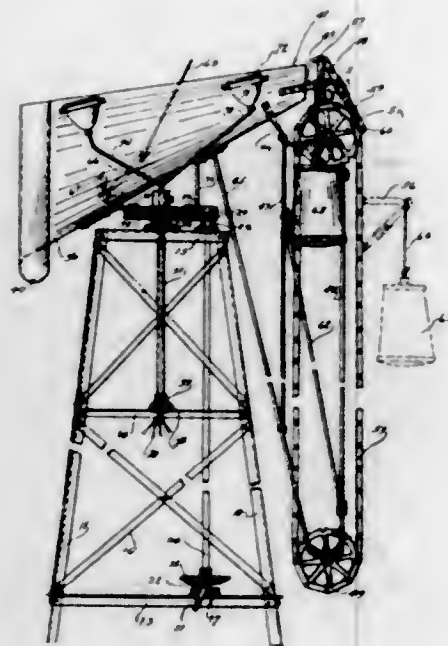
1. In combination, a drum, a cover of such dimensions as to form an annular gap peripherally between itself and the drum, a second member also constructed to form an annular gap between itself and the drum, said cover

and second member forming an annular channel having communication with the drum enclosure by one of said



gaps and with the outer air by the other of said gaps, said annular channel having an opening to the outside air inwardly from its outer peripheral portion.

1,737,326. MEANS FOR PICKING UP CARGO BY AIR-CRAFT. ROBERT S. ORMAND, Bessemer City, N. C. Filed Feb. 8, 1929. Serial No. 338,476. 5 Claims. (Cl. 258-1.)

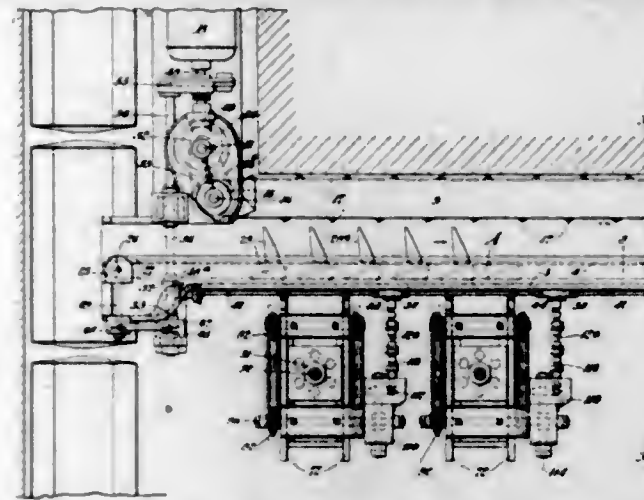


1. In a device for picking up cargo in aerial navigation, a tower, a revoluble semi-conical member rotatably mounted on the upper end of the tower, projections extending from the apex of the semi-conical member, means for rotating the semi-conical member, means for lifting cargo from the lower portion of the tower and automatically placing the same on the projection at the apex of the semi-conical member, said semi-conical member being adapted to guide a hook from a trailing aircraft through the same to cause the hook to pick up the cargo disposed at the apex of the semi-conical member.

1,737,327. MINING MACHINE. EDWARD O'TOOLE, Gary, W. Va. Filed Sept. 16, 1924. Serial No. 738,034. 10 Claims. (Cl. 262-28.)

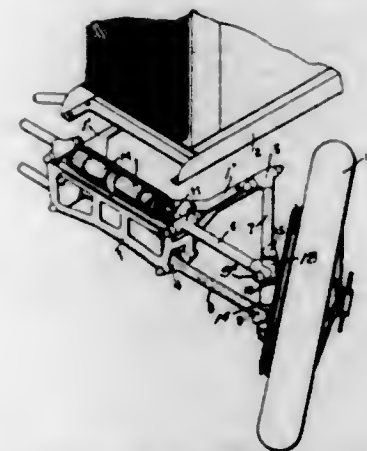
1. The combination with a mining machine, of means separate from and located at the rear of said machine

for supporting the roof of the mine and for advancing said machine into the material being mined, said means



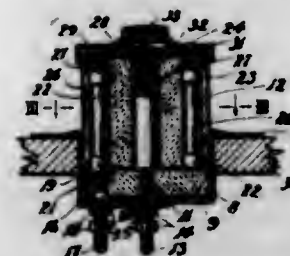
including a power jack member and power advancing means for simultaneously advancing the machine and jack in a horizontal direction.

1,737,328. SPRING SUSPENSION FOR VEHICLE BODIES. FRANCESCO PARISI, Turin, Italy. Filed July 29, 1927. Serial No. 209,317. 1 Claim. (Cl. 280-124.)



A spring suspension for vehicle bodies comprising a bracket member secured to the vehicle body, an extension on said bracket member, parallel links pivoted to said bracket member in a vertical plane, an axle carrying member pivoted to said links, the axes of said links being horizontal, opposite connecting distances being equal whereby a parallelogram is formed between said pivot points, a wheel mounted on said axle, spring compressed cushioning means to prevent movement of said links on said pivot, a third link pivoted on said axle carrying member and to said bracket extension, the pivot axis of said third link and bracket member being in alignment with the pivot axis of one of said first mentioned links, and said third link being formed integral at one end with the link with which its pivot axis is in alignment.

1,737,329. ELECTRIC FUSE HOLDER FOR AUTOMOBILES. JOHN WILLIAM PATRICK, Essendon, Melbourne, Australia. Filed Dec. 22, 1927. Serial No. 241,594, and in Australia July 8, 1927. 4 Claims. (Cl. 200-125.)



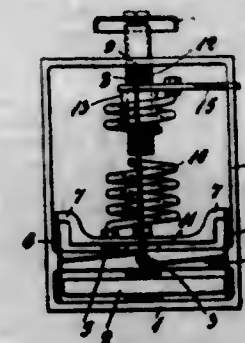
1. An improved electric fuse holder for automobiles, comprising in combination, a cylindrical socket member

adapted to be attached to the dash or instrument board of the vehicle, a ring of insulating material disposed within and adjacent an inner end wall of said socket member, a contact member extending through said insulating ring and said wall at a point which is off-set from the centre thereof, said contact member forming one of the electric terminals of the device, a spindle extending axially through the socket member and said insulating ring and forming the other electric terminal, a magazine rotatable about said spindle and having its inner surface contiguous with the outer surface of said ring, said magazine being provided with a number of circumferentially spaced and open ended longitudinal passageways each of which is adapted to removably and slidably accommodate an electric fuse, means for electrically connecting said spindle with said fuses, spring means for pressing said fuses inwardly within their respective passageways, and a detachable cap at the outer end of the magazine for retaining said spring means in operative position.

1,737,330. PRODUCTION OF PAPER. DONALD K. PATILLO, Fulton, and JAMES H. MACMAHON, Niagara Falls, N. Y., assignors, by direct and mesne assignments, to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed Dec. 23, 1927. Serial No. 242,283. 9 Claims. (Cl. 92-21.)

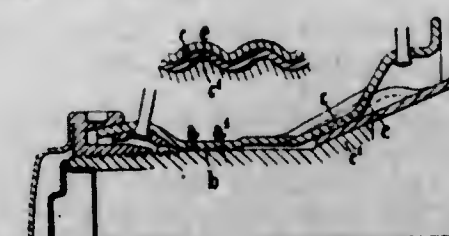
1. The improvement in the operation of paper mills, which comprises subjecting the stock from which the paper is to be produced to treatment with chlorine to effect sterilization of the stock and to remove slime therefrom, and without washing, forming paper from the sterilized stock.

1,737,331. INSTRUMENT FOR MEASURING VARIABLE FORCES. JOSTA GABRIEL PAULIN, Stockholm, Sweden. Filed Nov. 10, 1927. Serial No. 232,420, and in Sweden Nov. 22, 1926. 8 Claims. (Cl. 73-151.)



1. An instrument for measuring variable forces comprising in combination a measuring member movable under the influence of said forces, a yoke-shaped leaf-spring connected with the measuring member so as to counter-act the variable forces, a helical spring system cooperating with said leaf spring, means for varying the tension of said helical spring system so as to balance the force to be measured by the resultant spring tension acting on the measuring member.

1,737,332. ROTATIONAL DEVICE SUCH AS VEHICLE WHEELS. JOHN VERNON PUGH and GILBERT THOMAS BAYLIS, Coventry, England, assignors to Ridge-Whitworth, Limited, Coventry, England. Filed Oct. 27, 1926. Serial No. 144,615, and in Great Britain Nov. 2, 1925. 5 Claims. (Cl. 301-6.)



1. In combination in a rotational device, an inner hub member having a frusto-conical portion, an outer hub

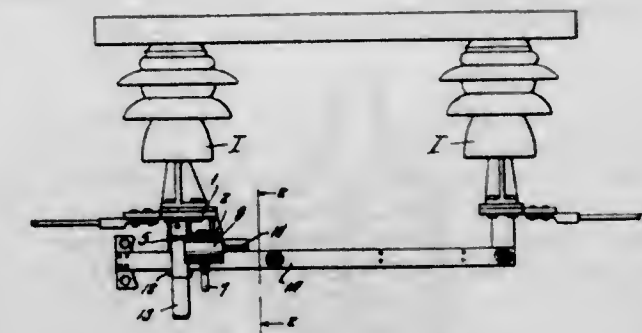
member having likewise a frusto-conical portion, a brake member having a frusto-conical portion and means for gripping said frusto-conical portion of said brake member between said first-mentioned and said second-mentioned frusto-conical portions.

1,737,333. ART OF MAKING CUT-STEEL ORNAMENTS. MORRIS M. RIVELIS, Philadelphia, Pa. Filed Aug. 17, 1928. Serial No. 300,247. 13 Claims. (Cl. 41-10.)



1. A cut-steel ornament comprising a metallic base sheet, a filler sheet of suitable color superimposed thereon, and cut-steel points mounted upon said filler sheet in any predetermined design having their stems extending through said filler sheet and base sheet permanently anchored in the latter.

1,737,334. LATCH FOR ELECTRIC SWITCHES. DOSSA E. ROHRER, Charlotte, N. C. Filed Oct. 28, 1925. Serial No. 65,429. Renewed May 27, 1929. 1 Claim. (Cl. 200-169.)

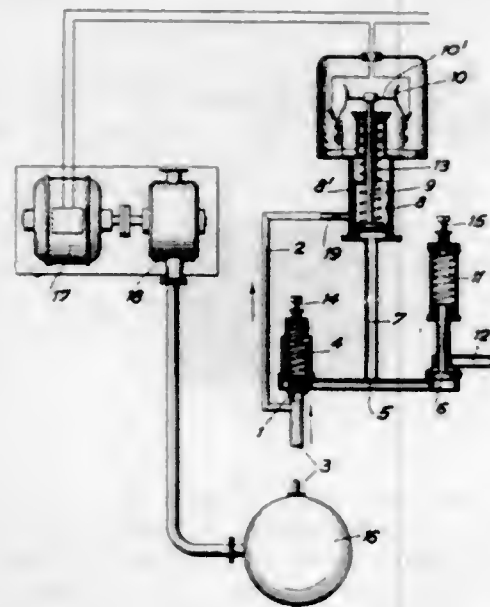


A latch for electric switches comprising a switch element, spaced guide arms having outturned ends to receive and guide the switch element to its closed position, a bracket, a gravity operated latch pivotally mounted on the bracket said latch having a weight element positioned in offset relation to and in a plane substantially below the pivot element and a latch blade having a cam face adapted to be engaged by the switch element when the latter is swung to closed position to push the latch back until the switch element is swung toward the latch sufficiently to permit the latch to lock the switch element in closed position, the latch having an arm extending in substantially opposed position to the switch element, said arm having a handle member extending at right angles to the arm and in offset relation to the latch blade to permit of convenient operation of the switch for opening the latch.

1,737,335. CONTROL FOR ELECTRICALLY-DRIVEN COMPRESSORS. ALWIN RUCKSTUHL, Winterthur, Switzerland. Filed Feb. 14, 1929. Serial No. 339,974, and in Germany Feb. 18, 1928. 6 Claims. (Cl. 230-18.)

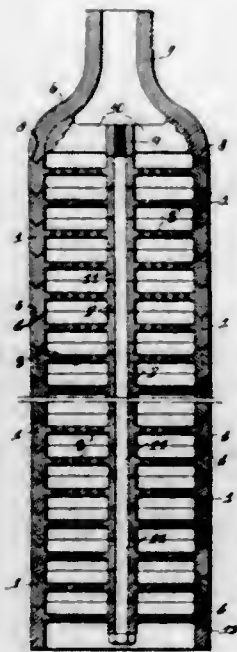
1. A pressure responsive device for controlling electrically driven compressors, comprising in combination, switch means for cutting in and out the electric current, a cylinder and a fluid operated piston therein for actuating said switch means and starting and stopping the compressor when the fluid pressure has reached a deter-

mined minimum or maximum value respectively, an inlet valve for the pressure fluid, an outlet valve for the pressure fluid, and a conduit to which said inlet valve and said



outlet valve and said cylinder are connected, wherein the outlet valve is closed by the pressure fluid admitted by the opening of the inlet valve.

1,737,336. MIXING TUBE. ELI E. SAGER, Seattle, Wash. Filed Oct. 19, 1928. Serial No. 313,614. 4 Claims. (Cl. 261-123.)

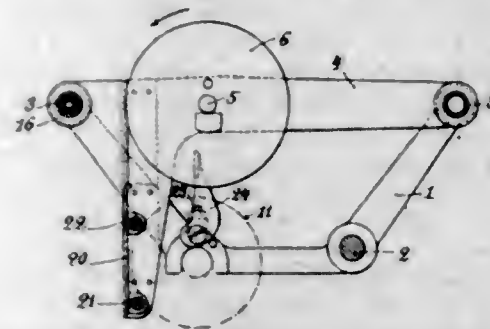


2. A mixing tube comprising end and intermediate sections each including an outer rim and an inner hub, the intermediate sections including a perforated web connecting rim and hub, said hubs each having a bolt hole, a bolt passing through said bolt holes to retain said sections in assembled relation with their axes in alignment, their hubs together and their rims located in edge to edge contact to constitute an outer wall or casing.

1,737,337. MANIFOLDING TYPEWRITER. NICO SANDERS, Paris, France. Filed Sept. 25, 1928, Serial No. 308,286, and in France Jan. 4, 1928. 8 Claims. (Cl. 197-153.)

1. In the typewriter or like machine comprising a platen and an inking ribbon, a device consisting in the combination

of a rod mounted on the machine, a frame pivoted on said rod, cross bars carried by said frame, cross-ties slidable on said cross bars, an additional inking ribbon inked on



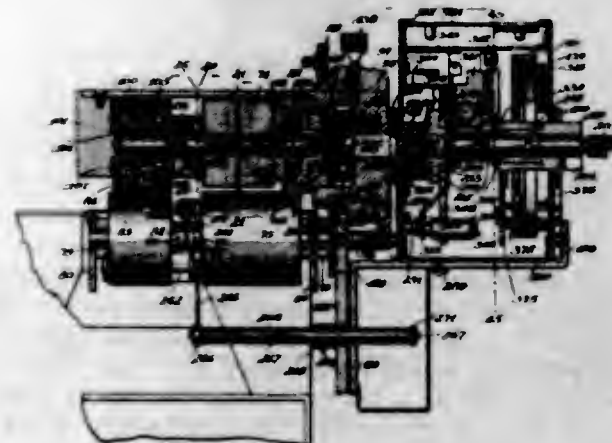
one side thereof, two reels rotatably mounted on said cross-ties and adapted to wind up and wind off said additional inking ribbon.

1,737,338. BRIDGE FOR VIOLINS. GEORGE T. SCHRÖDER, Worcester, Mass. Filed Mar. 19, 1928. Serial No. 262,882. 4 Claims. (Cl. 84-309.)



1. A bridge for viols provided with an adjustable foot, said foot having opposed spaced extensions with flat inner surfaces adapted to engage opposite sides of the bridge, and a pivot pin connecting said extensions to the bridge.

1,737,339. MAIL-PRINTING MACHINE. WILLIAM F. SCHWEIGER, Rochester, N. Y. Filed Feb. 23, 1924. Serial No. 694,702. 46 Claims. (Cl. 101-91.)

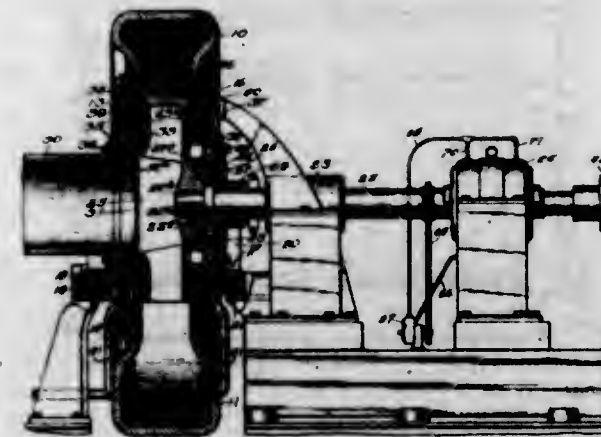


1. In a mail printing machine, the combination with a printing couple embodying a type cylinder and a printing cylinder, of a support for the printing cylinder adapted to carry it into and out of printing contact with the type cylinder and embodying a pivoted yoke, and a spring pressed plunger acting against the yoke to normally hold the printing cylinder in such printing contact.

1,737,340. CENTRIFUGAL PUMP. JACOB R. SENSIBAR, Chicago, Ill. Filed June 23, 1926. Serial No. 117,984. 1 Claim. (Cl. 103-114.)

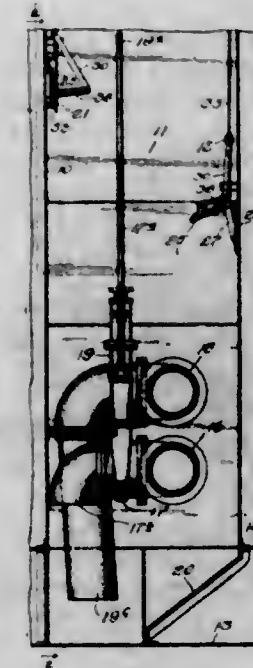
A centrifugal pump comprising an outer spiral casing, inner or side casing members secured to said outer casing on the intake and shaft sides thereof, respectively, the inner casing member on the shaft side including a central sleeve in which the pump shaft is journaled, an impeller secured to the inner end of said pump shaft, the side flanges of said impeller being at substantially right angles

to the axis of the pump shaft, a wearing strip mounted on the impeller hub and having a bearing in said central sleeve, a wearing ring secured to the front face of said impeller, the inner face of said ring being contacted with a flange member carried by an inner casing member, an annular plate recessed in said spiral casing on the intake side thereof and having a plate ring secured thereto, the inner face of said plate ring being in contact with the outer



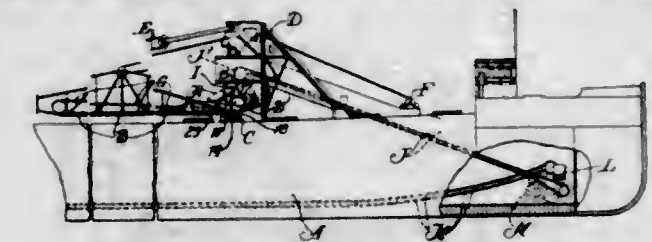
face of said wearing ring, and a second annular plate and plate ring recessed in the shaft side of said spiral casing, said first and second mentioned annular plates forming, together with said plate rings and inner casing members, a pair of annular water spaces disposed on opposite sides of the impeller and from which water is drawn inwardly to keep the bearing surfaces of the impeller hub and wearing ring free from dirt.

1,737,341. MIXING WELL FOR UNLOADING SAND BOATS AND THE LIKE. JACOB R. SENSIBAR, Chicago, Ill. Filed June 24, 1926. Serial No. 118,397. 2 Claims. (Cl. 214-15.)



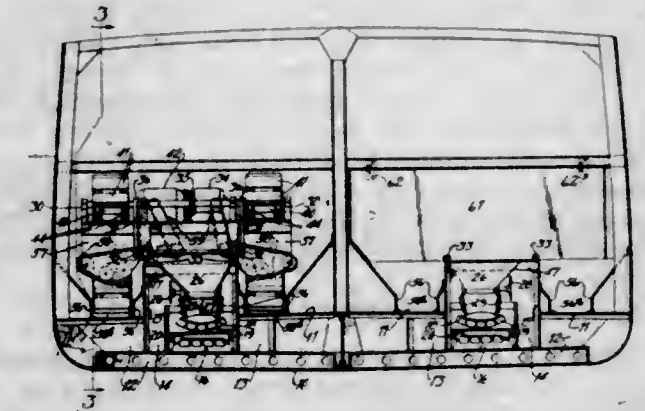
1. In a construction of the class described, a compartment, a well therein, a series of gate controlled openings for feeding sand to said well, means for feeding water directly to said well, a suction pipe in said well for sucking out the mixture of sand and water, and a valve on the water feeding means and the suction pipe, said valves being in said well and having valve operating means extending to the top of said well.

1,737,342. UNLOADING BOOM FOR SHIPS AND TURN-TABLE THEREFOR. JACOB R. SENSIBAR, Chicago, Ill. Filed July 22, 1927. Serial No. 207,659. 4 Claims. (Cl. 198-122.)



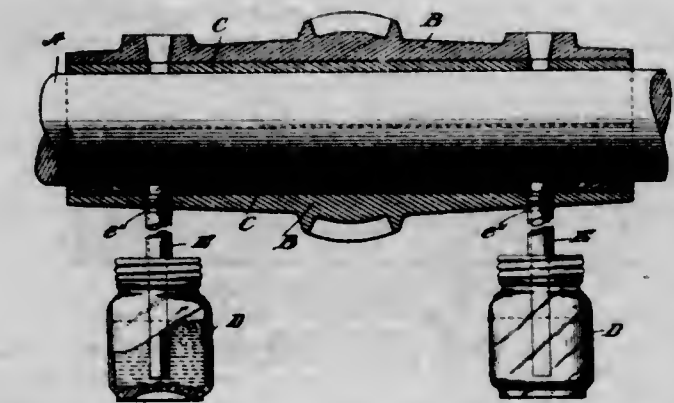
1. In unloading mechanism for ships and the like; a turn table; a boom carried by said turn table and secured thereto by a horizontal pivot; and a rearwardly projecting extension on said boom, said extension being inclined upwardly.

1,737,343. UNLOADING MECHANISM FOR SHIPS. JACOB R. SENSIBAR, Chicago, Ill. Filed Oct. 12, 1927. Serial No. 225,681. 7 Claims. (Cl. 214-15.)



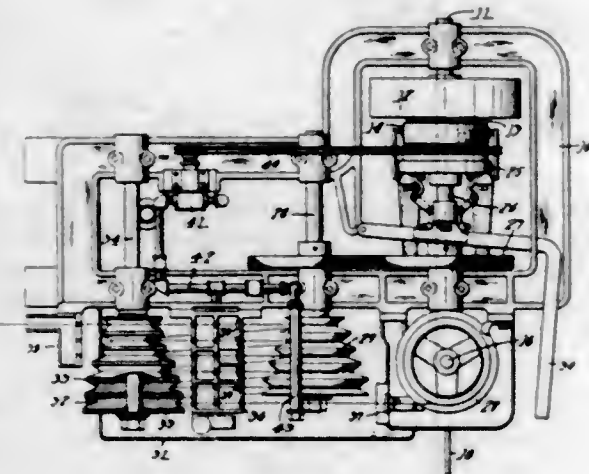
1. In combination, a ship having a bottom spaced from the hull forming a ballast chamber, a compartment for loose material extending longitudinally of the boat, a tunnel extending longitudinally through said compartment, and a conveyor in said tunnel for removing loose material fed by gravity through the top of said tunnel, said tunnel being located partly below the level of said bottom and partly within the space of the ballast chamber, the frame of said tunnel serving to replace the stiffness removed by cutting said bottom.

1,737,344. LUBRICATOR. JOHN CESSNA SHARP, Chattanooga, Tenn., assignor to National Oil Lubricating Company, Chattanooga, Tenn., a Corporation of Delaware. Filed May 9, 1924. Serial No. 711,985. 12 Claims. (Cl. 184-64.)



1. An oil feeding means comprising an oil container having a detachable cap, and an oil-feeding unit extending through the cap and having a suspending connection therewith, said unit including a hollow suspending member and a wooden plug tightly fitted in said member and protruding therefrom.

1,737,345. WIRE-DRAWING MACHINE. CARL E. TIDEMAN, Worcester, Mass., assignor to Burlingame Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 25, 1927. Serial No. 194,198. 1 Claim. (Cl. 205-16.)



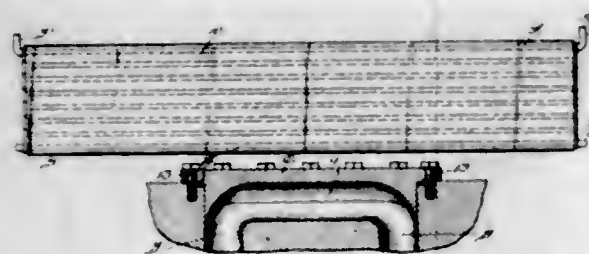
In a wire drawing machine, the combination with a drawing through drum and a winding drum, of a power shaft, positive means for driving the drawing through drum from the driving shaft, means for disconnecting said positive means from the power shaft, belt driven means for driving the winding drum from the power shaft independently, and means for disconnecting the winding drum from the power shaft, so that either the winding drum or the drawing through drums can be operated independently.

1,737,346. SOUND-TRANSMITTING APPARATUS. ERNST WILCKENS, Berlin, Germany. Filed June 30, 1928, Serial No. 289,691, and in Germany July 16, 1927. 3 Claims. (Cl. 274-6.)



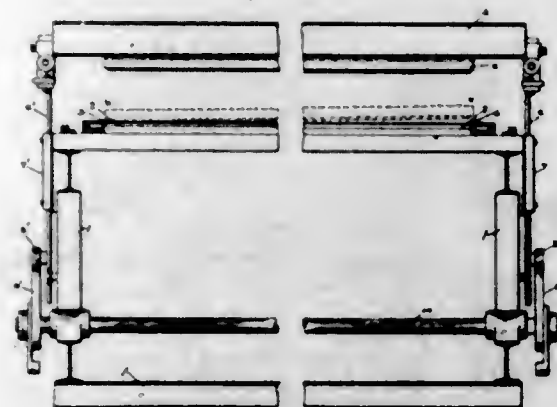
1. In a sound transmitting apparatus employing a fluid operating agent, a diaphragm for generating the sound, a pipe for introduction of the said operating agent, and an elastic member interposed between the said diaphragm and said pipe.

1,737,347. HEAT EXCHANGER. ROBERT E. WILSON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Jan. 22, 1927. Serial No. 162,740. 1 Claim. (Cl. 257-240.)



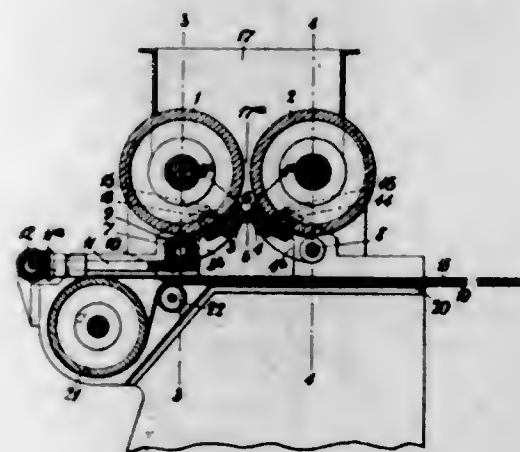
In a device of the character described, a solid metal billet provided with two sets of straight tubular passes therethrough, and means for connecting the ends of the passes of each set to form a circulatory system, said connecting means comprising recesses in said billet joining the ends of the passes to be connected and removable plates over said recesses.

1,737,348. METHOD OF PRINTING. FRANK M. ALLEN, Claymont, Del., assignor to Congoleum-Nairn, Inc., a Corporation of New York. Filed Dec. 7, 1927. Serial No. 238,259. 2 Claims. (Cl. 101-199.)



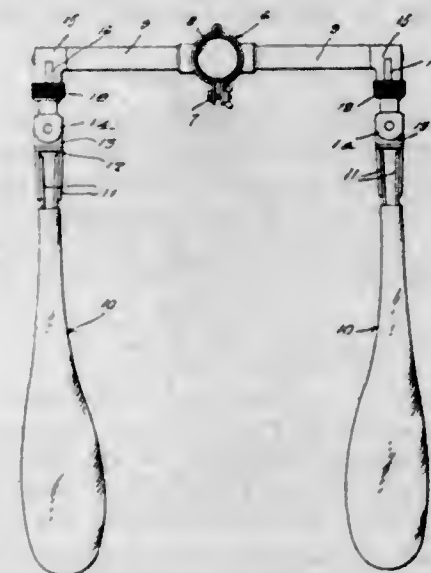
1. In the operation of a bed-and-platen type printing machine of the type described, the steps of first effecting plane-contact engagement of the print block and surface to be printed, and finally effecting line-contact disengagement of the print block and imprinted surface said disengagement commencing at one end of the print block and extending to the opposite end of the print block.

1,737,349. DOUGH-SHEETING MACHINE AND THE LIKE. GEORGE RALPH BAKER and JOHN CURRIE PATERSON, Willesden, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Filed May 29, 1928, Serial No. 281,543, and in Great Britain July 5, 1927. 9 Claims. (Cl. 107-12.)



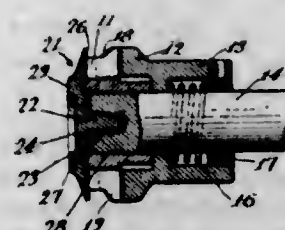
1. A dough sheeting machine or the like comprising a pair of feeding rollers between which dough is fed, and a die device having associated scraper elements and a die located between the plane of the axes of the rollers and the plane tangential to the lower surface of the rollers and positioned to form with the rollers a compression chamber into which the dough is forced by the rollers for extrusion through the die.

1,737,350. ARM REST. MARTIN C. BALZER, Ponca City, Okla. Filed Sept. 11, 1928. Serial No. 305,195. 4 Claims. (Cl. 155-198.)



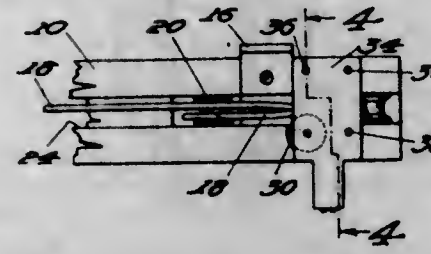
1. In a structure of the class described, a steering column attachment comprising a clamp, a pair of out-standing arms carried by the clamp, a pair of right angularly disposed arm rests, and a universal connection between the arm rest and arm.

1,737,351. EDGE TRIMMER FOR SHOE SOLES. CARL P. BAMMER, Venice, Calif. Filed Jan. 11, 1928. Serial No. 245,891. 5 Claims. (Cl. 12-91.)



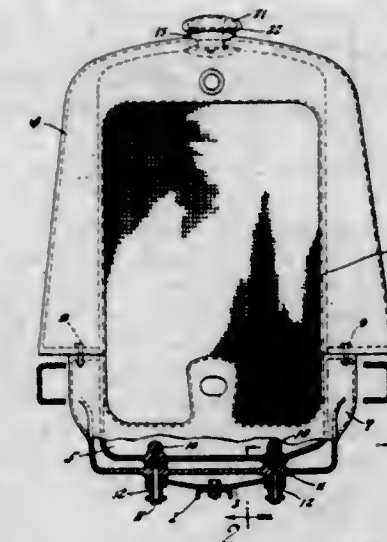
1. In combination with a shoe finishing machine having a revolving mandrel with a shoulder adjacent one end thereof, a trimming knife upon said end, a quick-change plate bearing against the outer face of said trimming knife, a threaded shank integral with said plate, and a complementarily threaded axial socket in said mandrel whereby said plate may optionally be locked against said knife or displaced therefrom to permit removal of said knife.

1,737,352. PULLEY MOUNTING. ROBERT W. BISSELL, Pittsburgh, Pa., assignor to Western Blind and Screen Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 2, 1927. Serial No. 217,055. 4 Claims. (Cl. 156-17.)



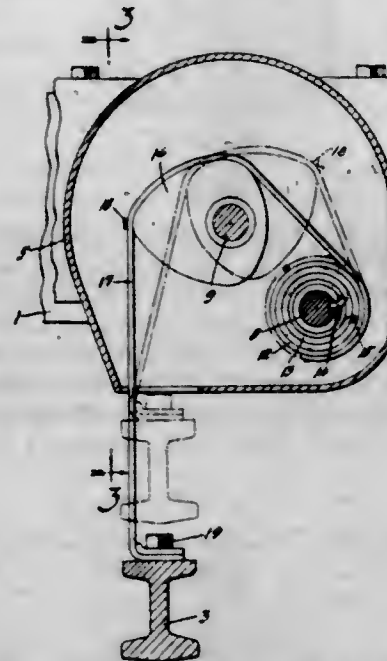
2. A pulley mounting, including a supporting plate, a plurality of pulley wheels removably mounted in the plate, and means for alternating the position of certain of said pulley wheels, as desired, said means comprising pins capable of use both as pulley axles and plate supporting members, said pins passing through openings equally distant from the edges of the supporting plate.

1,737,353. RADIATOR STRUCTURE. CARL J. BOCK, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a Corporation of Maine. Filed Feb. 20, 1928. Serial No. 255,695. 6 Claims. (Cl. 180-68.)



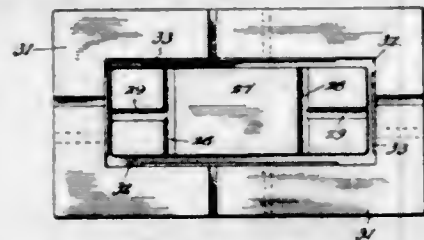
1. Means to rigidly maintain a radiator in definite centered relation within its shell and permit relative vertical movement between the radiator and shell, including in combination with a radiator shell and a radiator therein having a filler spout projecting through an opening in the shell of greater diameter than the spout to permit movement therein of the spout, of a flat spring plate flexible only at right angles to its plane and having in one end thereof a substantially semi-circular recessed portion closely fitting the wall of the spout, means to connect the recessed end of the plate to said radiator and a rigid connection between the opposite end of the plate and said shell.

1,737,354. SHOCK ABSORBER. ALFRED L. BOEGEHOLD, Detroit, Mich., assignor to General Motors Research Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 26, 1927. Serial No. 178,672. 6 Claims. (Cl. 267-8.)



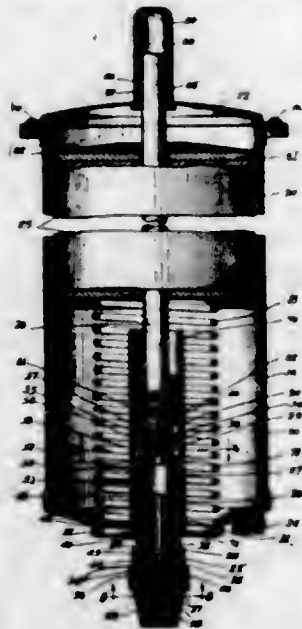
1. In combination with a vehicle frame, an axle and a load supporting spring interposed between the axle and frame, of a shock absorber comprising a spring element carried by the frame, a connection between the spring element and the axle through which the spring element exerts its tension in opposition to said load supporting spring, and means associated with intermediate portion of said connection, adapted to afford a variable mechanical advantage to both springs, inversely with respect each other to automatically maintain the effort of opposing springs in substantially the same relation thruout the range of movement of the axle and frame.

1,737,355. PISTON FOR ROTARY STEAM MOTORS. ROBERT J. BOGUE, Goodnight, Tex. Filed June 3, 1926. Serial No. 113,576. 2 Claims. (Cl. 74-109.)



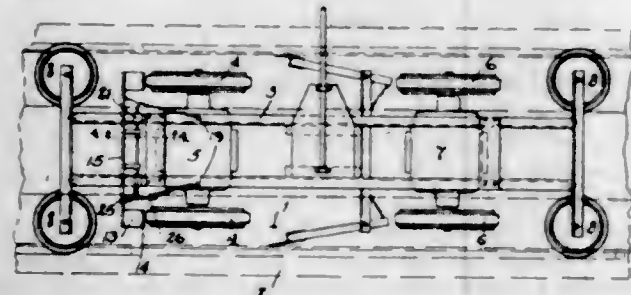
1. A piston comprising a rectangular plate having a raised central portion formed in its outer side with intersecting transverse and longitudinal channels, a companion plate coextensive with the first mentioned plate and placed against the raised portion thereof, and having openings in communication with the said channels, packing in the space formed between the marginal portions of the two plates exterior to the said raised portion and having the meeting ends halved and overlapped, and strips in the marginal space in the rear of the packing to close the joints between the meeting ends thereof.

1,737,356. FEEDING MECHANISM. CARL P. BROCKWAY, Toledo, Ohio, assignor to Chester H. Braselton, New York, N. Y. Filed Oct. 18, 1922. Serial No. 595,241. 22 Claims. (Cl. 103-208.)



1. A device of the class described comprising a tank, a pump chamber secured to the tank, said pump chamber having inlet and discharge openings therein, a piston working in said pump chamber, a piston rod having its upper end guided at the top of the tank and its lower end connected to said piston by a joint permitting angular displacement of the rod relative to the piston, and a resiliently supported piston-actuating mass operatively connected to said piston rod.

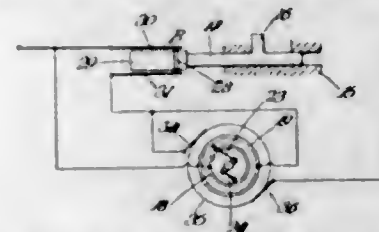
1,737,357. BRAKE. FRANK O. CHRISTEL, Columbus, Ohio. Filed Apr. 21, 1928. Serial No. 271,737. 9 Claims. (Cl. 188-111.)



1. The combination with a self-propelled car adapted to run in a track and provided with a pair of wheels, of

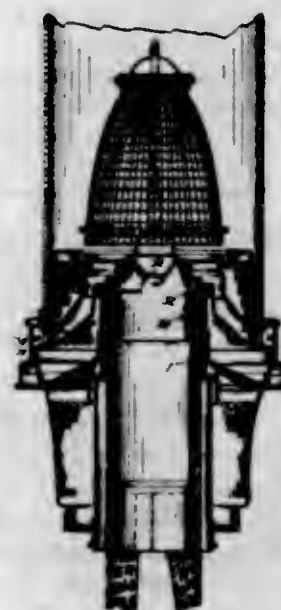
a brake comprising a lever pivotally mounted at its lower end on the frame of said car and carrying a brake shoe adjacent one of said wheels, means urging said shoe toward contact with said wheel, and latch means cooperative with said lever to hold said shoe out of contact with said wheel.

1,737,358. CONTROL OF ELECTRICALLY-DRIVEN RECIPROCATORY APPARATUS. JOHN JOSEPH COOPER, London, England, assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 29, 1924. Serial No. 709,932, and in Great Britain Sept. 27, 1923. 14 Claims. (Cl. 172-240.)



1. In the art of control-systems for electric motors for driving machines in which an oscillatory member makes a complete reciprocatory movement forth and back during each successive cycle of operations, the combination of the normal working circuit of the motor, a switch including speed-governed devices operated by the motor for automatically effecting the closing of said circuit so long as the motor is running at a speed exceeding a predetermined minimum limit and opening said circuit on the speed of the motor falling below said limit and means depending on the position of the reciprocatory member for short circuiting said switch at the completion of a cycle, so that said motor may be started from rest for the beginning of a cycle, said means being arranged to break the short circuit in the initial portion of said cycle, so that thereupon the motor may be under sole control of said switch and speed-governed devices.

1,737,359. FLAME SPREADER. CORTLAND W. DAVIS, Oak Park, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Original application filed July 25, 1927. Serial No. 208,286. Divided and this application filed Oct. 18, 1928. Serial No. 313,287. 4 Claims. (Cl. 67-63.)



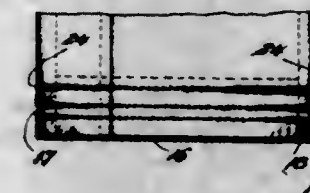
3. A flame spreader for a burner of the blue-flame wick type having a cylindrical wall provided at its upper end with perforations, and having also a perforated frusto-conical portion adjoining the top of said cylindrical wall, the perforations in said cylindrical wall and the perforations in said frusto-conical portion constituting a continuous series of air-mixing openings, all of which openings are substantially equidistant from each other.

1,737,360. WHEEL CONSTRUCTION. ROGER W. DISBRO, Cleveland Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 10, 1924. Serial No. 725,261. 1 Claim. (Cl. 16-107.)



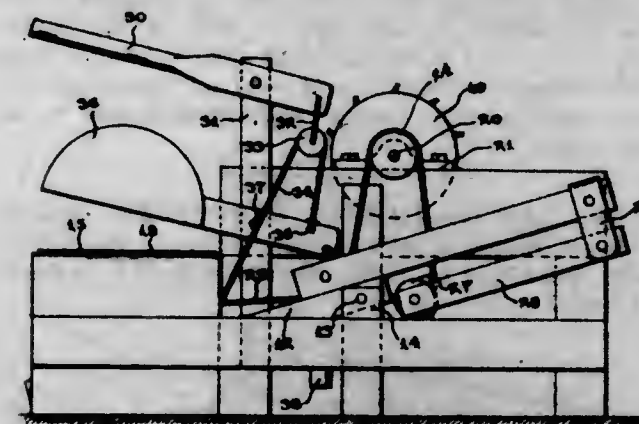
A wheel comprising an annular rim portion provided with a circumferential groove, a hub portion, an intermediate portion of non-resonant material connecting said rim and hub portions, said hub portion having concentric annular recesses at its sides, and ball races mounted in said recesses.

1,737,361. CLOTH BOARD AND METHOD OF ITS MANUFACTURE. JOHN C. DUNN, Providence, R. I. Filed Feb. 3, 1927. Serial No. 165,721. Renewed Apr. 29, 1929. 10 Claims. (Cl. 206-50.)



3. The herein described improved method of making cloth boards, which comprises forming cloth boards having coverings secured thereto substantially throughout the length thereof, pressing rigid cap members having sides on the ends thereof and crimping in the sides of said cap members and enclosed portions of the boards to assist in retaining said members to said boards.

1,737,362. TRIM SAW. WEBB M. EDDINS, Barnett, Miss. Filed Sept. 7, 1927. Serial No. 218,089. 2 Claims. (Cl. 143-159.)



2. Apparatus for the purpose indicated comprising a pivotally mounted rock frame, a circular saw rotatably mounted in the end of said rock frame, a work table spanning said saw and the adjacent end of said rock frame and provided with a clearance slot for the saw, a saw guard movable toward and away from the top face of the work table, a lever having a rotatably mounted sheave carried by its resistance arm, a cable connected with said saw guard and said rock frame and trained over said sheave to move the guard toward the work table and elevate the forward end of the rock frame, and a counterweight for moving the guard away from the work table.

388 O. G.—63

1,737,363. DOUGH-COOKING APPARATUS. WILLIAM EHRHART, Lancaster, Pa. Filed June 8, 1928. Serial No. 283,820. 7 Claims. (Cl. 53-7.)



1. In dough cooking apparatus, a housing containing a cooking solution, a horizontally arranged floatable endless conveyor operative for movement therethrough, arranged to float to the surface of the cooking solution during a portion of its travel and to be immersed during another portion of its travel, the upper run of which conveyor in its travel is loose and free to float in said cooking solution, and means for temporarily repelling said floating action and for immersing said upper run at predetermined periods.

1,737,364. NITROCELLULOSE COMPOSITION. JOHN C. EMHARDT, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 21, 1926. Serial No. 136,896. 5 Claims. (Cl. 134-79.)

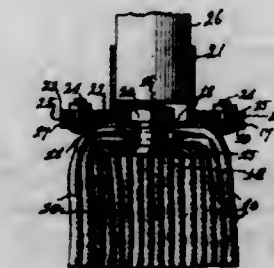
3. A homogeneous pyroxylin coating composition, free from solvent softeners and containing, as a softener for the coating, a blown semi-drying vegetable oil in an amount that, if used alone, would impart stickiness to the coating, and non-volatile mineral oil as a stickiness preventive.

1,737,365. EGG PRODUCT AND PROCESS FOR PRODUCING THE SAME. ALBERT K. EPSTEIN, Chicago, Ill. Filed Oct. 13, 1928. Serial No. 312,395. 31 Claims. (Cl. 99-14.)

1. A method of manufacturing an egg product including treating egg material with an amount of edible hydrophylic colloidal substance capable of dispersing uniformly in water at room temperature sufficient to modify the colloidal property of the ultimate product.

13. A new article of manufacture comprising an egg product including egg material combined with an edible hydrophylic colloidal substance capable of dispersing uniformly in water at room temperature sufficient in amount to modify the physical property of the ultimate product.

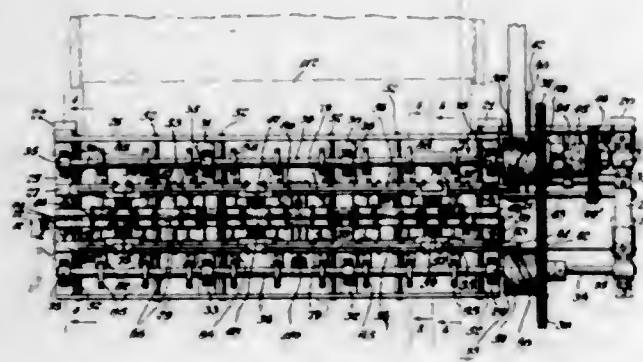
1,737,366. MOP. URBANE J. EWING, Wilkesburg, Pa. Filed Dec. 1, 1928. Serial No. 323,091. 2 Claims. (Cl. 15-229.)



2. A mop comprising a ring, separate and independent strands of absorbent fibre folded over said ring and arranged to have their middle sections in juxtaposition with each other and encircling said ring, a securing bolt passing through said ring and contacting with and forcing and clamping the middle sections of said strands within

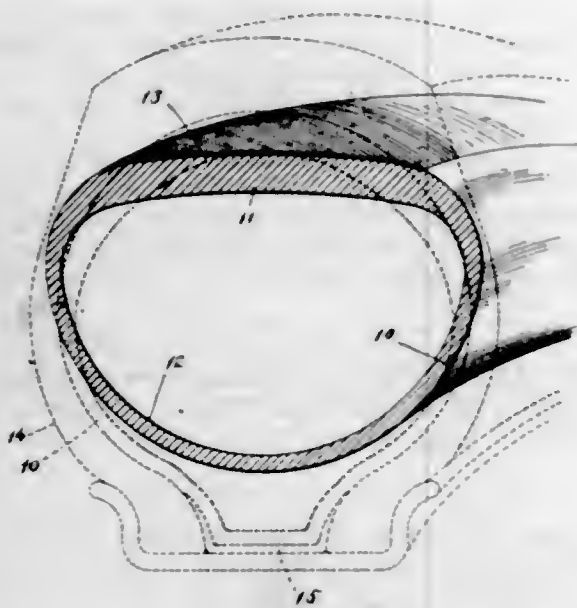
the ring against the inner annular wall of said ring, a lower circular washer attached to the inner end of said securing bolt for spreading out equally the free sections of the strands not encircling said ring, an upper clamp washer secured at the outer end of said securing bolt for clamping the middle sections of the strands between said ring and upper and lower washers, and means for attaching a handle to said mop.

1,737,367. STRIP-FORMING MACHINE. HARRY L. FINKELSTEIN, New York, N. Y., assignor to Manhattan Terrazzo Brass Strip Co. Inc., New York, N. Y. Filed Dec. 23, 1925. Serial No. 77,418. 15 Claims. (Cl. 153-25.)



1. In a strip forming machine, means for gripping a strip, means for punching ears to project in opposite directions from said strip while it is gripped, means for releasing said strip, and a control means upon a single actuation of which all of said means are operated.

1,737,368. INNER TUBE FOR PNEUMATIC TIRES. ARTHUR G. FITZ GERALD, Brookline, Mass. Filed Nov. 6, 1928. Serial No. 317,677. 5 Claims. (Cl. 152-13.)

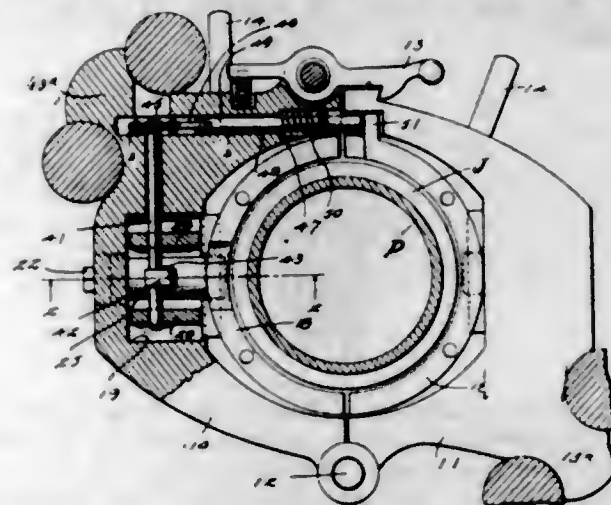


1. A self-sealing, compression-tread, vulcanized-rubber, endless pneumatic tube having a longitudinally contractible belly and a substantially-flat, unstressed tread wall with contractible shoulders extending beyond the ultimate inflated outline.

1,737,369. ELEVATOR. COLUMBUS MONROE GIDLEY, Corsicana, Tex. Filed Apr. 7, 1928. Serial No. 268,231. 15 Claims. (Cl. 294-91.)

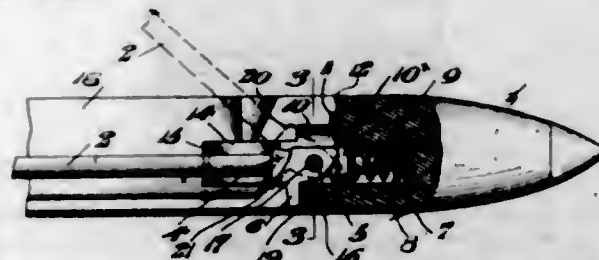
1. In an elevator for handling pipe sections having spaced projecting portions, a collar having means to engage beneath one of the projections, a member holding

said means in inoperative position to thereby permit the collar to be moved upwardly over the pipe and releasing apparatus for said member carried by the collar and



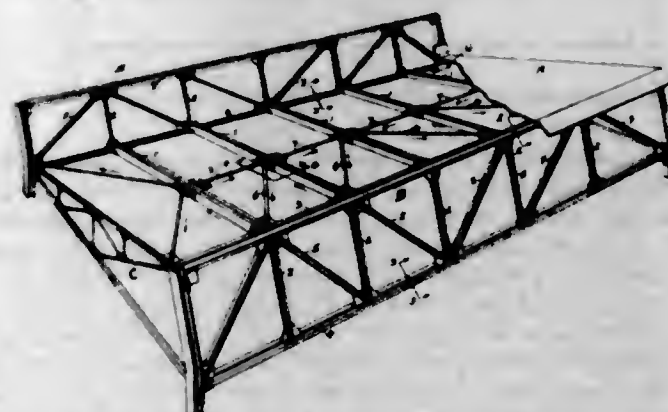
positioned to engage said projections, said releasing means being rendered operative by engagement therewith of a predetermined number of projections.

1,737,370. SHUTTLE. WASHINGTON L. HALL, Philadelphia, Pa., assignor to James H. Billington Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 12, 1928. Serial No. 292,184. 1 Claim. (Cl. 189-208.)



In a device of the character stated, a shuttle body having a recess therein, a spring pressed bolt having an outer head disposed within said recess, a rectangular bracket of inverted U-shaped cross-section disposed within said shuttle body, said bracket having an upper vertical wall arranged at right angles to said bracket and adapted to abut against said shuttle body in advance of said recess, said bracket having forwardly extended rectangular shaped horizontal spring arms arranged to seat in recesses in said shuttle body, a spindle, a rear head for said spindle provided with a pendant lug adapted to abut against a shoulder in said shuttle body, a cam surface formed on the rear portion of said spindle head arranged to abut against the head of said bolt, and means pivotally securing said spindle head to said bracket and to said shuttle body.

1,737,371. SAW-TOOTH ROOF STRUCTURE. HERBERT A. HAMM, Pasadena, and ROBERT P. MILLER, San Gabriel, Calif. Filed May 18, 1925. Serial No. 31,117. 3 Claims. (Cl. 108-1.)



2. In a saw tooth roof construction, rafters made of channel iron secured together with their edges meeting

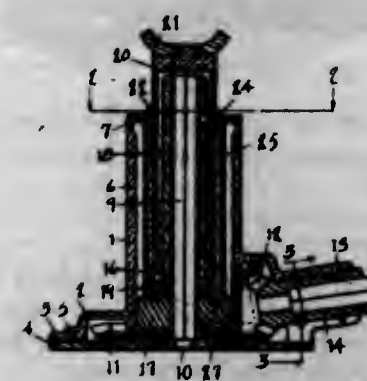
to form a box structure in cross section without projecting flanges or ledges, flat brace members connecting said rafters in a plane next adjacent the roof covering, a roof covering flatwise upon said box rafters and said brace members, substantially as shown.

1,737,372. COMBINED IRRIGATION AND DRAINAGE PUMP. PAUL M. HOENSHEL, Miami, Fla., assignor to Mayaca Company, Miami, Fla., a Corporation of Florida. Filed May 31, 1928. Serial No. 281,754. 4 Claims. (Cl. 103-89.)



1. In an apparatus of the class described, the combination with vertical uprights, of a main casing between said uprights, horizontal brackets L-shape in cross section fastened intermediate their ends to the outer face of said casing, said brackets provided near their ends with notches in the horizontal flanges, said vertical uprights positioned in said notches, fastening means extending through the vertical flanges of the brackets into said uprights, said main casing provided with pipe or culvert receiving means on its side, and water propelling means within said casing.

1,737,373. LIFTING JACK. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed Apr. 1, 1927. Serial No. 180,192. 3 Claims. (Cl. 254-102.)



1. In a lifting jack, the combination of an internally threaded standard having an inwardly projecting flange at its upper end, a vertically disposed driving spindle rotatably mounted in said standard and provided with a beveled gear at its lower end, a driving gear mounted on said standard to coact with said gear on said spindle, an actuating screw having splined driving engagement with said spindle and provided with a threaded lower portion coacting with the threads of said standard and with an oppositely threaded upper portion, a hollow lifting member telescopically associated with the upper portion of

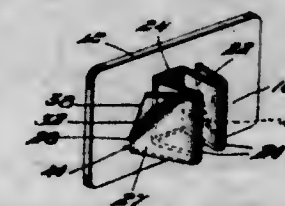
said actuating screw and having threaded engagement therewith, said lifting member having an out-turned flange at its lower end and a longitudinal rib, and a housing sleeve embracing said upper portion of said screw and telescopically associated therewith and with said standard, said sleeve having an out-turned flange at its lower end coacting with the intumed flange at the top of said standard, and an intumed flange at its upper end coacting with said flange at the lower end of said lifting member, said flanges coacting to provide stops, said sleeve having a longitudinal rib, said flange on said sleeve being notched to coact with said rib on said lifting member and said flange on said standard being notched to coact with said rib on said sleeve whereby the sleeve and lifting member are supported against rotation.

1,737,374. DENTAL FILE. CHESTER S. IVORY, Philadelphia, Pa. Filed Feb. 21, 1928. Serial No. 255,934. 1 Claim. (Cl. 32-10.)



As a new article of manufacture a dental file comprising a handle the upper portion of which has a reduced neck formed upon an arc of a circle, a head formed integral with said neck and arranged transversely to the longest axis of the handle and slightly concaved, said head having formed thereon single cut pyramidal teeth which are arranged substantially in parallelism with the longest axis of said handle and upon the inner face of said head.

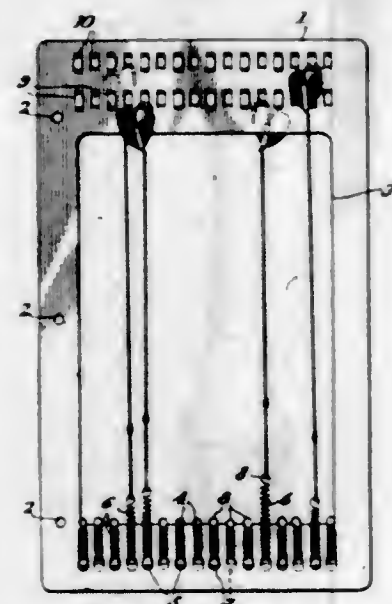
1,737,375. ATTACHING MEANS FOR ARTICLES. CLIFFORD G. KING, Providence, R. I. Filed June 28, 1927. Serial No. 202,053. 14 Claims. (Cl. 40-20.)



1. Means for attaching a member to one side of a supporting wall having an aperture therein, comprising said member to be attached and attaching means therefor projecting at approximately right angles therefrom having an aligning portion including a straight wall having the base thereof attached to said member, whereby a portion of the straight wall thereof may abut an edge of said aperture to keep said member in proper alignment therein, said attaching means also having a locking portion hav-

ing an upper edge also at approximate right angles to said member to permit ready insertion of said member within said aperture, flaring downwardly and laterally from said upper edge to the lower edge thereof with the lower edge thereof off-set substantially the thickness of an average supporting wall from said member to cause a portion of the lower edge on insertion thereof to spring over a portion of supporting wall to bind against the side of said wall to positively lock said member thereto, the lower edge thereof being beveled upwardly towards the bent end thereof to permit said member to be attached to supporting walls of different thicknesses and to come into unceasing contact with the side thereof, increasing in binding intensity on vibration of said wall, at least two sides of said attaching means being adapted to engage opposing edges of said aperture to additionally frictionally bind said member thereto.

1,737,376. CARRIER FOR SNEELED FISH HOOKS. WALTER L. KNETTLES, Groton, N. Y. Filed July 3, 1928. Serial No. 290,233. 3 Claims. (Cl. 43—32.)

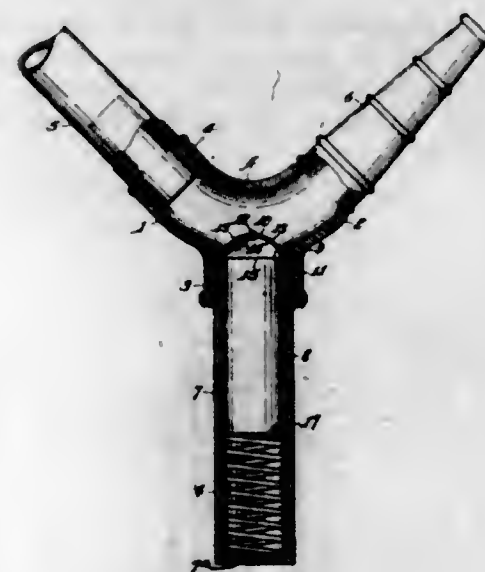


1. A carrier for snelled fish hooks comprising a flat sheet metal frame formed with a relatively large central opening; a row of elongated tongues stamped from one of the end margins of the frame and formed with roots bent outward alternately in opposite directions to dispose the tongues offset alternately from opposite faces of the frame; a row of hooks stamped alternately from opposite faces of the opposite end margin of the frame, across the frame opening from the tongues and aligning respectively with the latter and opening away from them; helical tension springs hooked to the roots of the tongues encircling the tongues, terminating substantially at the ends thereof when contracted and formed with snell engaging loops, the tongues forming cores for positioning and strengthening the springs and the said frame hooks forming anchors for fish hooks, whereby when the snell loops are engaged with the spring loops the snells will be stretched across the frame opening.

1,737,377. FERTILIZER DISTRIBUTOR. JOHN K. KOLB, Wheeling, W. Va. Filed Nov. 26, 1927. Serial No. 235,853. 2 Claims. (Cl. 299—84.)

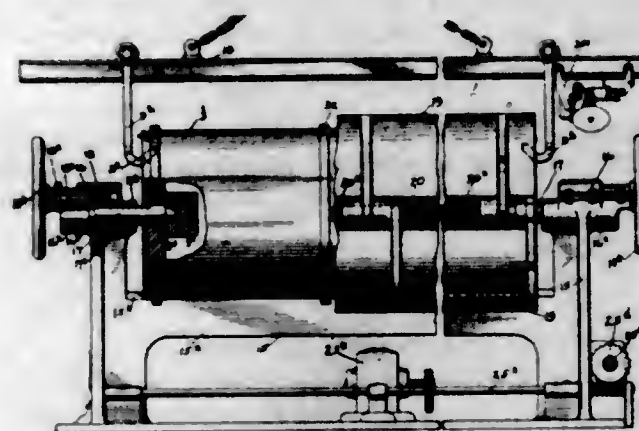
1. A device of the character described, comprising a T-coupling adapted for mounting in a water line with its head portion disposed to form an unobstructed passage for the water flowing through said line, said head portion having arcuately curved form, a hollow cylindrical magazine forming a container for a cartridge of soluble composition material, said magazine having one end closed and its opposite open end removably mounted on the stem portion of said coupling intermediate the ends of the latter

and on the outer curved side thereof, and relatively adjustable disks interposed in engaged relation between said water passage and the cartridge, said disks having dome shape and having therein orifices adapted, by relative ad-



justment of the disks, to be disposed more or less in registering relation for passing a moiety of the flowing water in contact with said cartridge, and a foraminous member disposed horizontally beneath said disks and adapted to be abutted by the cartridge.

1,737,378. PROCESS OF AND APPARATUS FOR PREPARING PRINTING CYLINDERS. NELSON LITTELL, New York, N. Y. Filed July 29, 1925. Serial No. 46,740. Renewed Apr. 8, 1929. 20 Claims. (Cl. 101—1.)

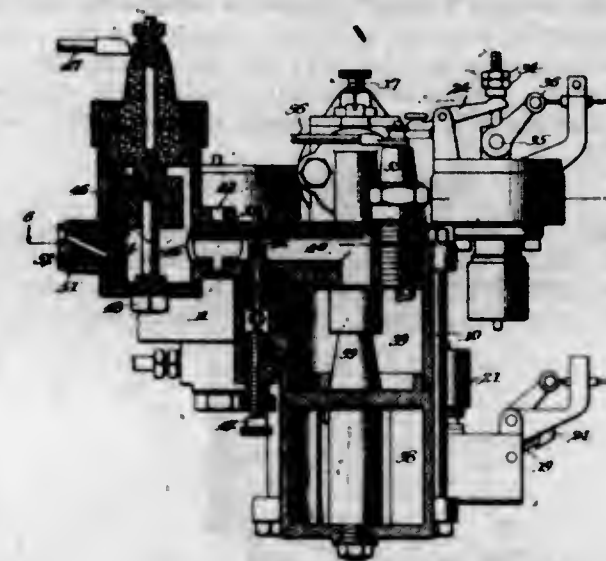


2. The method of preparing a type cylinder of a printing press for printing, which comprises removing the cylinder from the press, casting separated printing plates thereon and reinserting the cylinder in the press.

1,737,379. HEAVY-FUEL VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. ROBERT F. LONABERGER and CHARLES F. SANDS, Reading, Pa., assignors to Lloyd A. Unger, trustee. Filed Apr. 24, 1925. Serial No. 25,577. 42 Claims. (Cl. 123—122.)

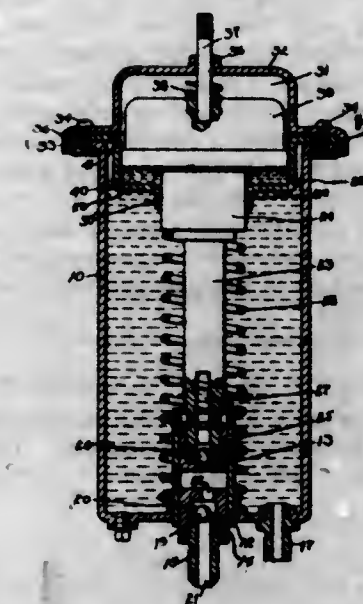
1. A vaporizer comprising a mixing tube and a mixing chamber connected by a throat, a fuel nozzle in said throat, a liquid fuel supply well and duct therefrom to said fuel nozzle, a fuel vaporizing chamber, a heating chamber associated therewith, a suction operated air valve for admit-

ting air to said mixing chamber, a second fuel nozzle between said air valve and mixing chamber, a fuel duct



from said fuel vaporizing chamber to said second fuel nozzle, and means actuated by said air valve for controlling the discharge of fuel vapor from said second nozzle.

1,737,380. INERTIA-OPERATED PUMPING MECHANISM. FRED B. MACLAREN, Jamaica, N. Y., assignor to Chester H. Braselton, New York, N. Y. Filed Apr. 10, 1922. Serial No. 551,069. Renewed Oct. 31, 1927. 7 Claims. (Cl. 103—28.)

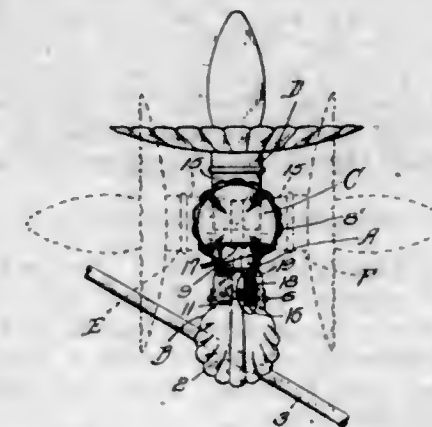


1. In a fuel feeding mechanism, a supply tank, an auxiliary tank connected therewith, an outlet pipe connected to the auxiliary tank, means for pumping liquid from the supply tank to the auxiliary tank comprising a cylinder secured to the floor of the auxiliary tank, a weighted plunger fitting into the cylinder and forming an inertia member, a spring for normally maintaining the plunger in raised position, a separation plate surrounding the plunger and adapted to divide the tank into upper and lower compartments, said separation plate having an aperture therein connecting said compartments, and an enlarged portion on said plunger adapted to cooperate with said upper compartment to form a dampening chamber.

1,737,381. LIGHT HOLDER FOR CHRISTMAS TREES. HILMAR J. MILLER, St. Louis, Mo. Filed Oct. 5, 1927. Serial No. 224,073. 1 Claim. (Cl. 248—42.)

A light holder for Christmas trees composed of one long plate and a relatively short plate pivoted to each other,

the lower end of said long plate and the relatively short plate adapted to grip a tree branch for supporting the holder, a concaved recess formed upon the inner face of the upper end of said long plate, a second relatively short plate hingedly connected to the long plate, a concaved



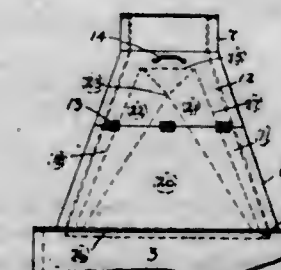
recess formed in the inner face of the upper end of the second relatively short plate directly opposite the recess in the long plate for supporting a light and a resilient member adapted to exert pressure against both of the relatively short plates.

1,737,382. SAFETY CATCH. EUGENE MOREHOUSE, Providence, R. I., assignor to B. A. Ballou & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 26, 1925. Serial No. 18,572. 5 Claims. (Cl. 24—157.)



1. In a safety catch, a body member having a radially disposed slot therein, a rotor having a trunnion on which it is rotatably mounted in said body, said rotor being slotted radially through to the center of its trunnion to register in one position with that in the body for the reception of a pin-stem, a radially disposed operating arm extending from said rotor and located relatively to the closing edge wall of the slot in said rotor trunnion in such position that when this trunnion edge intersects the edge of the slot in the wall of the body slot in being rotated from open towards closed position the central radial line through said arm will be approximately in line with that through the body slot.

1,737,383. SCREENING APPARATUS. FRANKLIN P. NICKERSON, Cleveland, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 9, 1928. Serial No. 253,050. 1 Claim. (Cl. 193—2.)



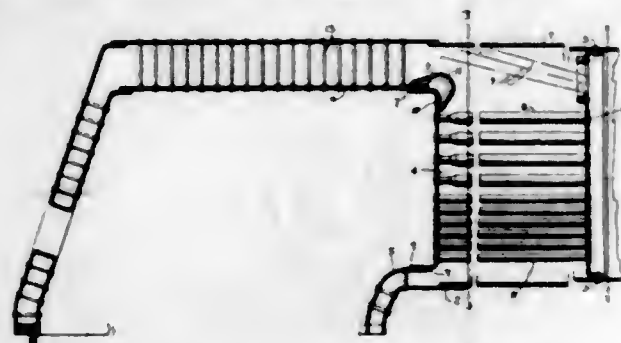
For use with a machine having a wide intake hopper and a feed bin having a relatively small discharge mouth, means for causing the narrow stream of flowable material

discharged from said mouth to be fanned out to a width substantially equal to the width of said intake hopper, and for depositing substantially uniform amounts of such material across the entire width of the machine, said means comprising a hollow casing adapted to receive such material from said discharge mouth and to discharge the same into said intake hopper, said casing having an inclined portion, the floor of said portion being flared outwardly from its top to its bottom, and a plate formed as a trapezoidal pyramid and having its apex directed upwardly from said floor, said plate resting on said floor with the shortest side of its base adjacent the top of said casing.

1,737,384. MANUFACTURE OF ALDEHYDE-AMINE REACTION PRODUCTS. CLAYTON OLIN NORTH and WINFIELD SCOTT, Akron, Ohio, assignors to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Filed Apr. 8, 1926. Serial No. 100,684. 10 Claims. (Cl. 260—130.)

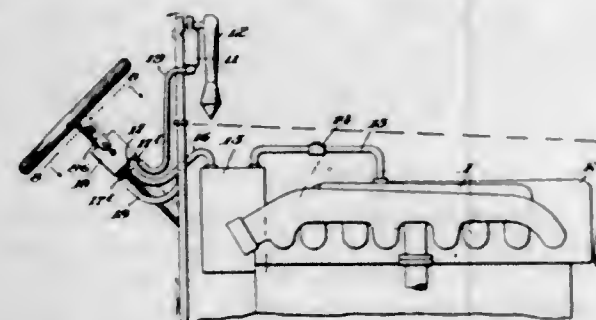
1. The process of manufacturing an aldehyde-amine reaction product which comprises reacting more than one aliphatic aldehyde with an aromatic primary amine in a series of steps, in at least one of which steps heptaldehyde is employed.

1,737,385. STEAM BOILER. JOHN A. PILCHER and JOHN A. DOERNBERGER, Roanoke, Va. Filed Apr. 24, 1925. Serial No. 25,514. 2 Claims. (Cl. 122—493.)



1. In a steam boiler, the combination of a flue sheet and a crown sheet, means rigidly securing said sheets to each other; said means including bracing means disposed at intervals on the water side of said sheets and in planes substantially at right angles to the planes of the said sheets, said bracing means bridging the junction line and acting to insure against relative movement of the adjoining portions of the said sheets.

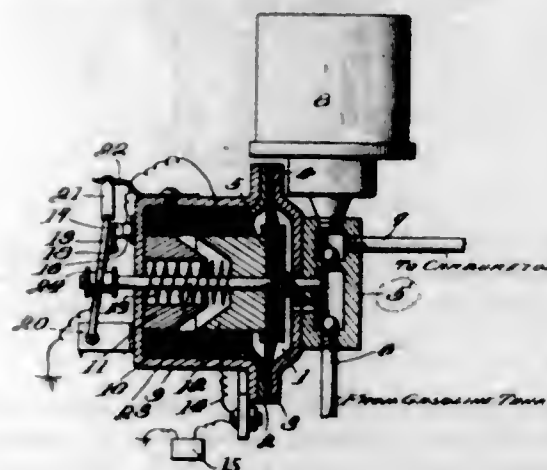
1,737,386. AUTOMOBILE SIGNAL. RALPH FREEMAN ORDWAY, Barrington, R. I., assignor of one-half to Archibald Birtwell, East Providence, R. I. Filed Feb. 7, 1928. Serial No. 252,507. 8 Claims. (Cl. 116—39.)



1. In a signaling system, a source of subatmospheric pressure, a plurality of power cylinders and signaling arms each connected together for movement upon energization of the respective cylinder, a control valve body, a conduit leading from said source to the valve body, said valve body having passages therein communicating at one end with said conduit and at the other end with the atmosphere,

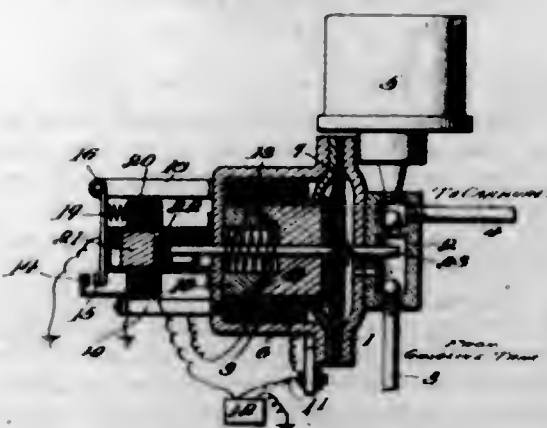
said valve body also having branch passages intermediate the length of said first passages communicating respectively each with a power cylinder, a piston valve for each of said first passages and movable therein to selectively close the communication between said first conduit and the respective branch passage and between the atmosphere and said branch passage, and conduits establishing communication between said branch passages and respective power cylinders.

1,737,387. ELECTRIC MOTOR. ALBERT G. REDMOND, Flint, Mich., assignor to Marvel Carburetor Company, Flint, Mich., a Corporation of Delaware. Filed May 18, 1925. Serial No. 31,079. 3 Claims. (Cl. 172—126.)



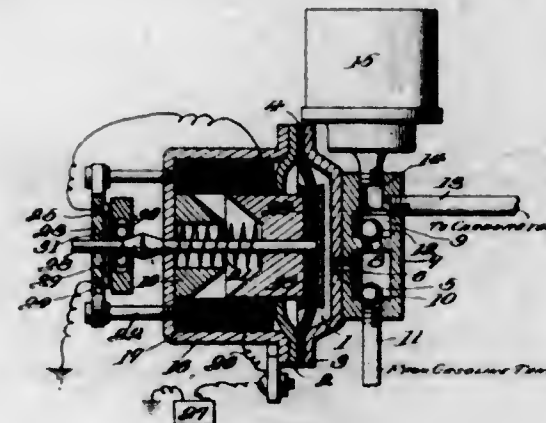
1. An electric motor comprising an electric circuit, including a solenoid having a fixed and a movable core, a spring for moving said core in one direction, a source of energy, a fixed contact, a movable contact, a spring carrying said movable contact, a rod carrying said spring having an opening, a flipper bar engaging said arm, a yieldable support for said flipper bar, a rod carried by said movable core, a spool carried by said rod arranged within the opening of said arm forming a sliding connection therewith, the movement of said movable core causing said movable contact to be moved into and out of engagement with said fixed contact to energize and de-energize said solenoid.

1,737,388. ELECTRIC MOTOR. ALBERT G. REDMOND, Flint, Mich., assignor to Marvel Carburetor Company, Flint, Mich., a Corporation of Delaware. Filed May 18, 1925. Serial No. 31,080. 9 Claims. (Cl. 172—126.)



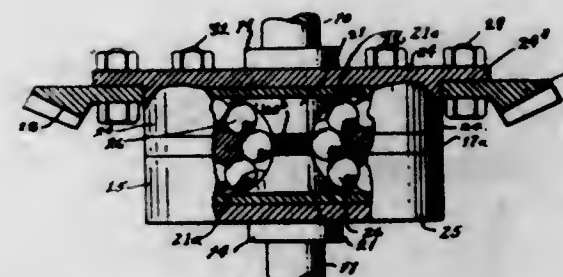
1. A motor comprising a solenoid, an electric circuit in which said solenoid is arranged, a source of current, a circuit maker and breaker in said electric circuit, a second solenoid arranged in electric circuit having a movable core and a rod having a sliding connection with said movable core for intermittently moving said core into and out of said solenoid for making and breaking said electric circuit.

1,737,389. ELECTRIC MOTOR. ALBERT G. REDMOND, Flint, Mich., assignor to Marvel Carburetor Company, Flint, Mich., a Corporation of Delaware. Filed May 18, 1925. Serial No. 31,081. 1 Claim. (Cl. 172—126.)



A motor comprising a casing, a solenoid having a movable and a fixed core, an electric circuit including a pair of spaced fixed contacts, a source of energy, a rod having a double conical portion, a movable member mounted on said rod having a contact in the form of a ring secured to one face of said member and adapted to engage the fixed contact, a pair of members projecting from said casing, a fiber disc carried by said member for supporting said fixed contacts, said movable member having an opening surrounded by a coiled wire spring adapted to ride over said double conical portion thereof to intermittently make and break said electric circuit for energizing and deenergizing said solenoid.

1,737,390. DIFFERENTIAL. JOHN W. ROE, Akron, Ohio, assignor to himself and Joseph Davis, Akron, Ohio. Filed Jan. 12, 1927. Serial No. 160,619. 3 Claims. (Cl. 74—99.)

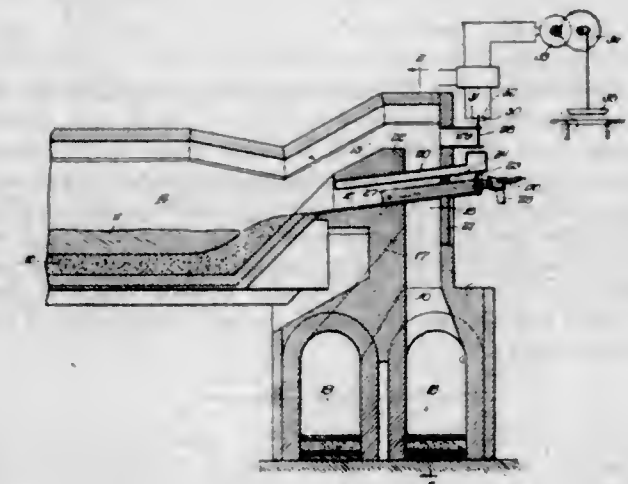


1. In a differential mechanism, a central member, co-axially arranged disk members rotatably mounted on each side thereof in abutting relation thereto, each of said disk members provided on the abutting face thereof with a circumferentially extending concentrically arranged row of seats, each disk member also provided with a concentrically arranged annular channel which extends centrally through said row of seats, said channel being deeper than said seat, arcuate grooves in each abutting face of said central member, said arcuate grooves coinciding with the row of seats on the adjacent disk, each of said grooves arranged exactly opposite a like groove on the opposite side of said central member, said central member provided with openings which extend therethrough at each end of each groove, thereby forming a passage between the like ends of like grooves on opposite sides of said central member, an arcuate lug carried by said central member on each side thereof at each end of each of said grooves, each of said lugs having an inwardly curved face terminating in a point, the outer edge of said lugs positioned in said seats and extending through said openings the balls in each row entered in the adjacent seats in both of said disks.

1,737,391. MANUFACTURING DERIVATIVES OF ALDEHYDE-AMINE REACTION PRODUCTS. WINFIELD SCOTT, Akron, Ohio, assignor to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Original application filed Sept. 9, 1925, Serial No. 55,380. Divided and this application filed May 19, 1926. Serial No. 110,293. 11 Claims. (Cl. 260—130.)

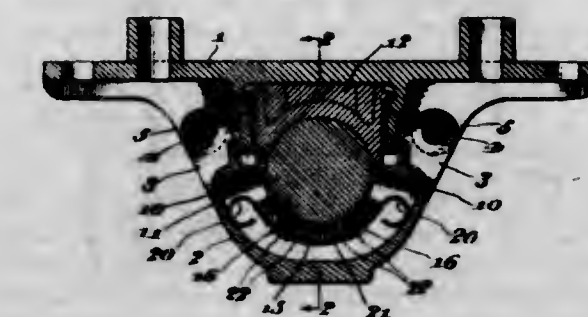
1. The process of manufacturing the carbon disulfid derivative of an aldehyde-amine reaction product which comprises reacting a secondary amine with an aldehyde and reacting the product so obtained with carbon disulfid.

1,737,392. FURNACE. MARCUS C. STEESE, Hamburg, N. Y. Filed Dec. 13, 1920. Serial No. 430,194. 11 Claims. (Cl. 293—15.)



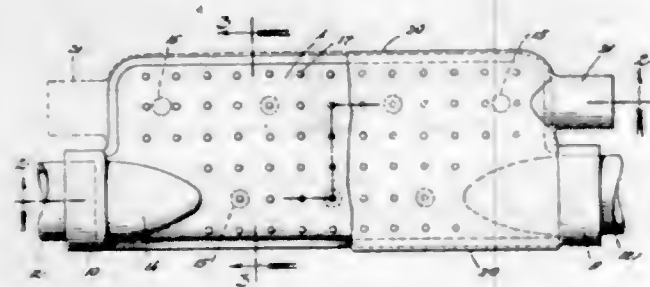
1. In an open hearth furnace, a port block, an air uptake, and a fuel burner adjustably mounted within said uptake and movable with respect to the port in said port block in accordance with varying conditions.

1,737,393. JOURNAL-LUBRICATING MEANS. PAUL STERLING, Wilkes-Barre, Pa. Filed Oct. 16, 1924. Serial No. 743,897. 8 Claims. (Cl. 308—88.)



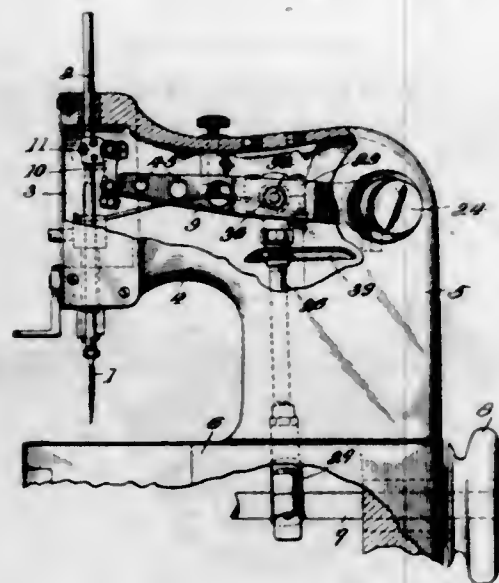
1. In journal lubricating means, the combination of a journal box having a curved bottom, a journal extending through said box, a lubricating pad mounted within the said box and contacting with the said journal, a frame structure for supporting the said lubricating pad, said frame structure resting upon the bottom of said journal box and adapted to move automatically in one direction or the other within the journal box, depending upon the direction of rotation of the journal, and means for limiting the movement of said frame structure in either direction.

1,737,394. EXHAUST-GAS HEATER. JAMES J. SUNDAY, Detroit, Mich., assignor to Standard Tube & Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 27, 1926. Serial No. 144,438. 5 Claims. (Cl. 257-241.)



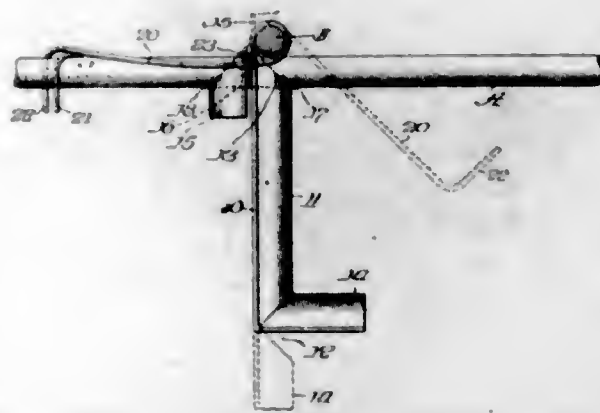
1. An exhaust gas heater comprising a relatively flat member adapted to be inserted in the exhaust line, having a chamber for the passage of exhaust gases therethrough, a multiplicity of projections on opposite sides of this member, and an outside casing over the said member which forms a chamber for the passage of air with the said projections lying within such air chamber to increase the heat transferring surface, said exterior casing lying directly upon said projections whereby the air is caused to flow around the same.

1,737,395. NEEDLE-ACTUATING MECHANISM FOR SEWING MACHINES. CHARLES S. THOMPSON, Park Ridge, and WILLIAM B. LONG, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 8, 1927. Serial No. 182,075. 10 Claims. (Cl. 112-221.)



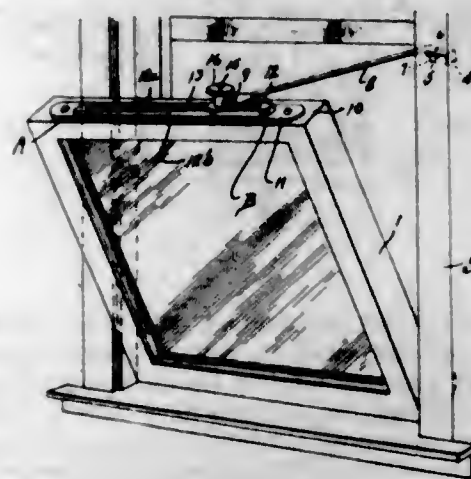
1. In a sewing machine the combination of a needle bar carrying a needle, a lever connected to the needle bar at one end thereof, means for pivotally supporting the opposite end of the needle lever, a reciprocating member connected to said lever intermediate the ends thereof, said lever having a portion thereof divided with the divided portions spaced to receive the upper end of said reciprocating member, a ball sleeve located in the space between the divided parts and supported by said lever to which the upper end of the reciprocating member is connected, and means for preventing said reciprocating member from oscillating about its longitudinal axis on said ball sleeve.

1,737,396. REINFORCING FABRIC SUPPORT. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 6, 1926. Serial No. 152,892. 6 Claims. (Cl. 72-122.)



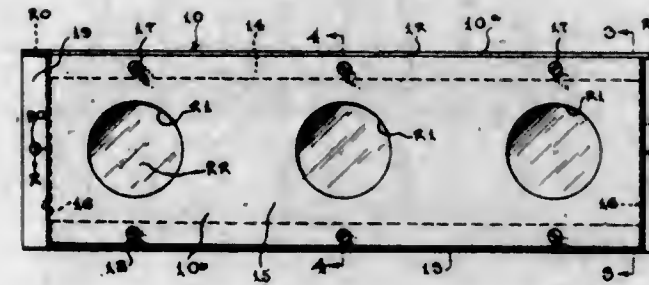
4. A vertical spacer and support for crossed bars, which consists of a rigid ribbed sheet metal support having a pair of bar seats for the same bar at its upper end, a right-angulantly disposed, channel shaped base portion, and spring means on said support for engaging and holding a pair of crossed bars.

1,737,397. ADJUSTABLE HOLDING DEVICE. FLOYD M. WILLIAMSON, Detroit, Mich. Filed May 27, 1927. Serial No. 194,569. Renewed Aug. 12, 1929. 4 Claims. (Cl. 292-272.)



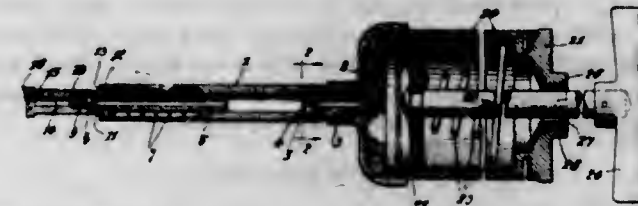
1. A device of the character described comprising a guide having a longitudinal raised bearing surface, said bearing surface having an elongated slot therethrough, the bearing surface on one side of said slot having its outer margin substantially parallel with the underside of the guide and the bearing surface on the other side of the slot having its outer margin upwardly inclined from one end, and an arm having one end adapted to be pivotally mounted and its opposite end extending over said slot, in combination with means extending through said slot for holding said opposite end of said arm against said bearing surface at any location therealong.

1,737,398. TRUCK AND BUS IDENTIFYING LIGHT. HAROLD T. ACKERMAN, Detroit, Mich., assignor, by direct and mesne assignments, to himself, and Jesse W. Matteson, and Enoch Prouty, Highland Park, Mich. Filed May 26, 1927. Serial No. 194,402. 4 Claims. (Cl. 240-7.5.)



1. A device for the purpose indicated comprising a casing formed of sheet metal and consisting of a duality of sections of which one comprises the back, top and bottom walls and the other the front and end walls, the first said section at the longitudinal edges of the top and bottom walls being formed with intumed flanges, and fasteners extending through the front wall and engaging said flanges to secure the two sections together.

1,737,399. RESERVOIR GREASE GUN. HERMAN ALBERTINE, East Rutherford, N. J., assignor, by mesne assignments, to Rogers Products Co. Inc., a Corporation of New Jersey. Filed Apr. 26, 1926. Serial No. 104,556. 1 Claim. (Cl. 221-47.4.)

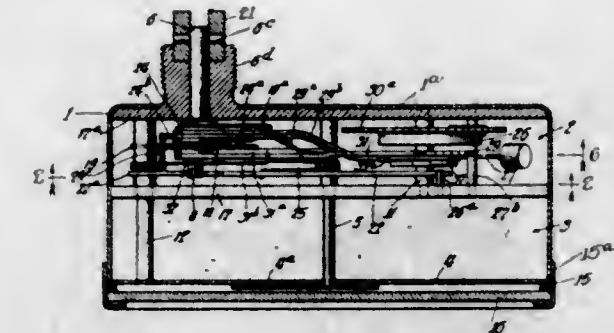


Lubricating means, including a reservoir and piston means for force feeding grease through a non-return valve and into a pump cylinder of relatively small internal diameter having an extension guide portion of larger diameter affording an intermediate annular shoulder, and, in combination with said parts, a correlatively shaped piston tube having its inlet end slidably engaging within said pump cylinder and an annular enlargement slidably fitting within said cylinder enlargement; a spiral thrust spring surrounding and closely embracing the exterior of the piston tube and positioned within the cylinder enlargement and compressed between the cylinder shoulder and the piston enlargement to press the piston outward; a non-return valve for the outlet of the piston passage and a terminal thrust surface for engagement with and thrust against a device to be lubricated.

1,737,400. SPEED-REGISTERING DEVICE. CHARLOTTE ARNESEN, Chicago, Ill. Filed May 10, 1923. Serial No. 637,926. Renewed Apr. 22, 1929. 50 Claims. (Cl. 235-104.)

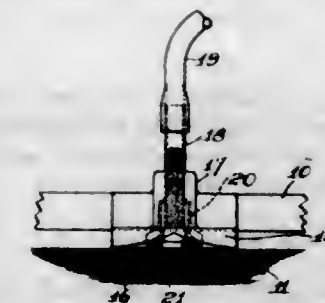
1. A speed registering device comprising, in combination, indicating means, a drive element operating at a

variable rate of speed, a shaft to be driven at a uniform rate of speed, actuating means for said shaft including a coiled torsion spring, and a device arranged to be operated



periodically by said drive element, means for controlling the operation of said actuating means, and means providing a connection between said driven shaft and said indicating means also governed by said controlling means.

1,737,401. SEPARATOR FOOT. JOSEPH A. ATZERT, Pittsburgh, Pa., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1928. Serial No. 270,248. 3 Claims. (Cl. 294-64.)



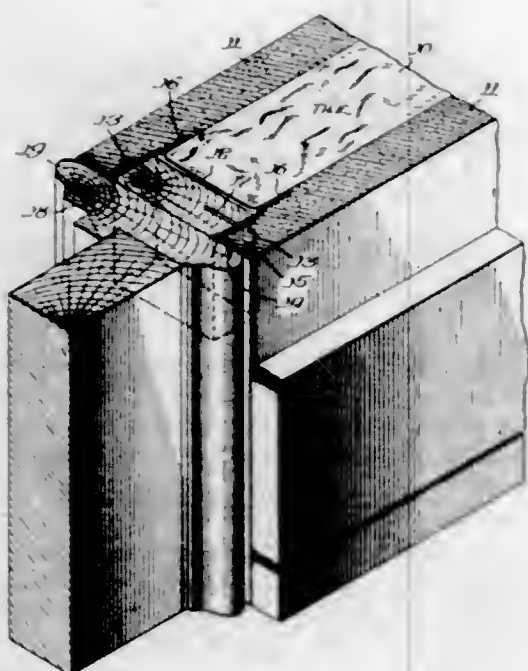
1. A separator foot comprising a block having a depression formed in the under face thereof, and a suction member associated with said block and adjustable so as to project to a varying extent into said depression, whereby the buckling effect of said member upon the sheet may be varied.

1,737,402. PROCESS OF REFINING FATTY OILS. EUGENE E. AYRES, JR., Chester, and LEE H. CLARK, Philadelphia, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 15, 1922. Serial No. 575,305. 3 Claims. (Cl. 87-12.)

1. In the purification of fatty oils containing impurities which are soluble therein, the steps comprising heating and agitating such oil with a quantity of water equal to approximately one per cent to five per cent of the oil by volume and limited substantially to that amount thereof which the impurities will take up and therewith form compounds that are insoluble in the oil, thereby forming from the impurities compounds thereof with water that are insoluble in the oil and avoiding the presence in the oil of residual water free to emulsify with the oil, and separating said oil-insoluble compounds from the oil.

3. In the purification of fatty oils containing impurities which are soluble therein, the steps comprising treating such oil with a quantity of water containing starch in solution and limited substantially to that amount thereof which the impurities will take up and therewith form compounds that are insoluble in the oil, thereby forming from the impurities compounds thereof with water that are insoluble in the oil and avoiding the presence in the oil of residual water free to emulsify with the oil, and separating said oil-insoluble compounds from the oil.

1,737,403. DOOR FRAMING. ISAAC A. BAUM, Chicago, Ill. Filed Feb. 2, 1928. Serial No. 251,326. 8 Claims. (Cl. 72-98.)



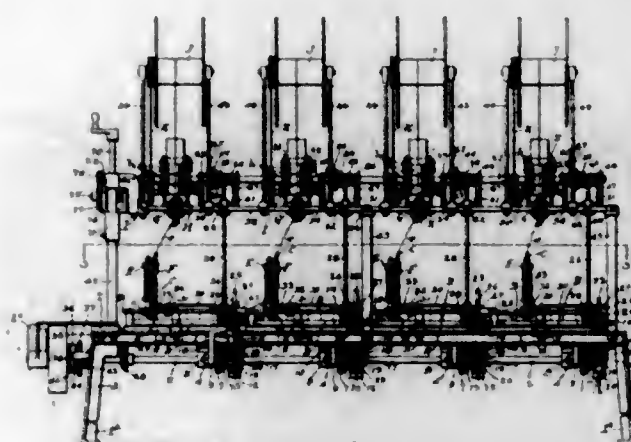
1. In building construction, the combination of a metallic channel shaped rough buck, a wood block held therein and a jamb secured to the wood block and directly abutting the face of the metal buck.

1,737,404. STRAP BUCKLE. ARTHUR F. BERNARD, Providence, R. I. Filed Oct. 11, 1928. Serial No. 311,852. 12 Claims. (Cl. 24-71.)



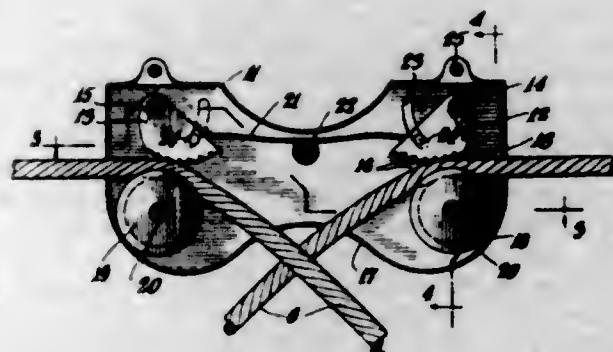
12. A strap tightener, adapted to be inserted in a strap for expanding and contracting the length of the strap, comprising, a back connector section, a front connector section having means to attach a strap end thereto longitudinally slidable thereon, means to pivotally attach the inner end of said back connector section to the inner end of the front connector section, means to clamp the outer end of the front connector section to the outer end of said back connector section when superimposed thereon and means to resiliently attach the other strap end to the back connector section, whereby the attached strap end may slide to the inner end of said front connector section to display the top wall of the front connector section when said front connector section is pivoted on said back connector section to closed position and may slide to the outer end of said front connector section to increase the length of the strap when said front connector section is pivoted on said back connector section to open position.

1,737,405. BRAIDING MACHINE. SIDNEY B. BLATSDILL, Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 28, 1927. Serial No. 187,301. 4 Claims. (Cl. 96-2.)



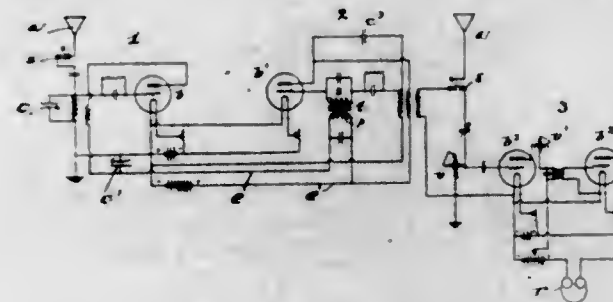
2. In a braiding machine, the combination of a main frame and a superposed supplementary frame, a series of braiding units each comprising a thread manipulating mechanism removably secured to said main frame and including a train of bobbin operating gears, and a take up mechanism removably secured to said supplementary frame and having a main operating gear, a main shaft rotatably mounted in the main frame, a short shaft for each thread manipulating mechanism operatively connected to the bobbin gear train thereof, mechanism including a clutch for operatively connecting said short shaft with the said main shaft, a latch controlling said clutch, a control shaft extending between said main and supplementary frames on which said latch is secured, an upper shaft rotatably mounted on said supplementary frame and operatively connected to said main shaft, a series of pinions loosely mounted on said upper shaft and respectively meshing with the operating gears of said take-up mechanisms, a clutch for operatively connecting each pinion to said upper shaft, and a pinion clutch operating lever secured to said control shaft, whereby rotation of the control shaft of any individual braiding unit will effect operation of the thread manipulating and take up clutches of said unit.

1,737,406. CLOTHESLINE TIGHTENER. MICHAEL BOCHINO, Passaic, N. J. Filed Jan. 28, 1928. Serial No. 250,150. 3 Claims. (Cl. 24-134.)



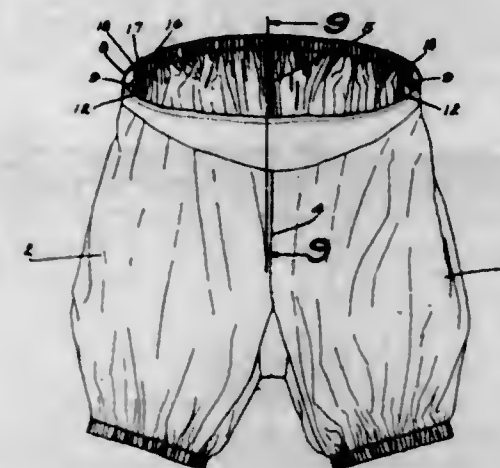
1. A line tightening device comprising a casing, a pair of one-way gripping members pivotally mounted therein in opposed relation and normally in contact with the opposed ends of a line to be tightened, a pair of pulleys pivotally mounted in the casing and spaced from the gripping members a distance sufficient to permit the passage of a line, and means for raising the gripping members when it is desired to loosen the line from either side of said casings.

1,737,407. METHOD OF AND APPARATUS FOR RADIO-RECEPTION. WILLIAM M. BRUCE, JR., Springfield, Ohio. Filed Feb. 17, 1926. Serial No. 88,782. 5 Claims. (Cl. 250-20.)



1. A receiving apparatus for wireless signals comprising an aerial, a detector for high frequency oscillations, an oscillator, and means for connecting said detector to said oscillator so that the modulated high frequency oscillations from the detector will modulate the oscillations of said oscillator, a receiving device embodying a detector and amplifier to detect and amplify the modulations of the local oscillations, and means whereby the aerial may be connected to one of these detectors and disconnected from the other detector.

1,737,408. LADY'S UNDERGARMENT. FRANKLIN CHATFIELD, Minneapolis, Minn., assignor to Munsingwear Corporation, Minneapolis, Minn., a Corporation of Minnesota. Filed Aug. 8, 1927. Serial No. 211,468. 3 Claims. (Cl. 2-237.)

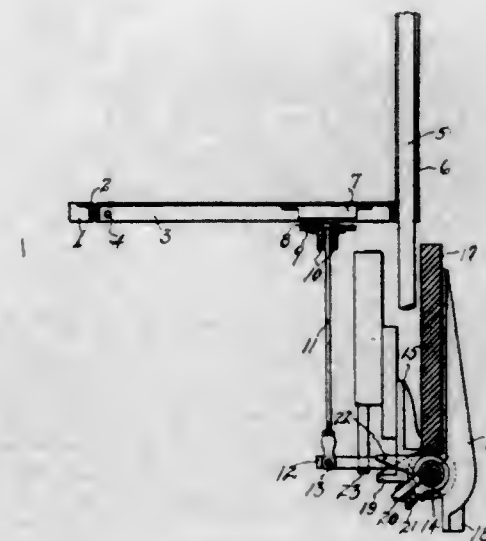


1. A lady's undergarment comprising leg sections joined together at the front and rear of the garment, the upper edge of each leg section at the rear of the garment being extended above the corresponding forward edge thereof and folded down upon itself to form a hem or casing provided with suitable gathers and open at each end and an elastic band inserted within said hem or casing and having its free ends extending out through the open ends thereof, and means for securing said free ends to the front of the garment, the leg sections having downwardly extending slits therein on each side forming continuations of the vertical edges of said edge extensions, the edges of said slits being stitched together and the stitches being extended through said edge extension to form a finish for each edge at the open ends of the casing.

1,737,409. STEP-OPERATED TREADLE SWITCH. ROSCOE D. CONKLIN, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed May 12, 1928. Serial No. 277,148. 4 Claims. (Cl. 105-341.)

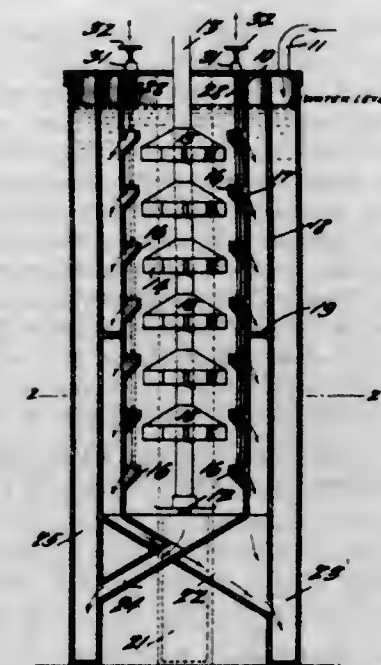
1. In a vehicle having doors thereon, the combination comprising a treadle plate pivotally mounted in the plat-

form of the vehicle adjacent the doors, a switch completely mounted on the treadle, means for closing the switch when the treadle is depressed, a folding step mounted on the



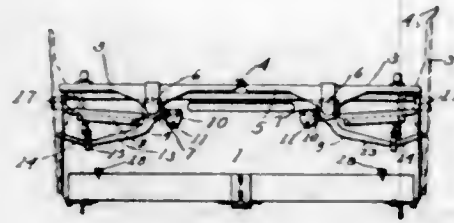
vehicle, and means operated by the step when a passenger is standing thereon for maintaining the switch closed when no passenger is standing on the treadle, said switch being completely supported by the treadle.

1,737,410. COAL-SEPARATING APPARATUS. EDWARD J. CORCORAN, Plains, Pa. Filed Sept. 27, 1928. Serial No. 308,651. 2 Claims. (Cl. 209-159.)



1. In a coal separator, a tank adapted to contain water, stirrers operative to swirl the water therein, the tank having hopper-like openings in its side at different locations vertically thereof, deflecting members adjustably associated with the hopper-like openings, means for adjusting the deflectors, an annular chamber outside of the tank with which the openings communicate, a chute leading from the interior of the tank, a chamber into which the chute discharges, a chute leading from the annular chamber, and a chamber into which the last mentioned chute discharges.

1,737,411. BATTERY-CRATE COVER. FRANK B. DWANS, Sharon Hill, Pa. Filed Feb. 13, 1929. Serial No. 339,675. 3 Claims. (Cl. 220—38.)



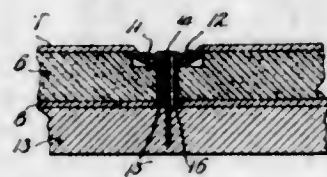
2. The combination of a container; a cover therefor made in two parts; rails at each end of the container having stops at their outer ends; and levers at their inner ends provided with sockets and arranged to be raised so that the sockets will be in line with the rails or lowered so that the sockets will be below the rails, the parts of the cover having rollers adapted to the rails and sockets.

1,737,412. CONSTRUCTION OF ROADS AND THE LIKE. LOUIS HERMAN ALFRED DUNKER, Birmingham, England. Filed May 27, 1926. Serial No. 112,123, and in Great Britain July 1, 1925. 4 Claims. (Cl. 94—8.)



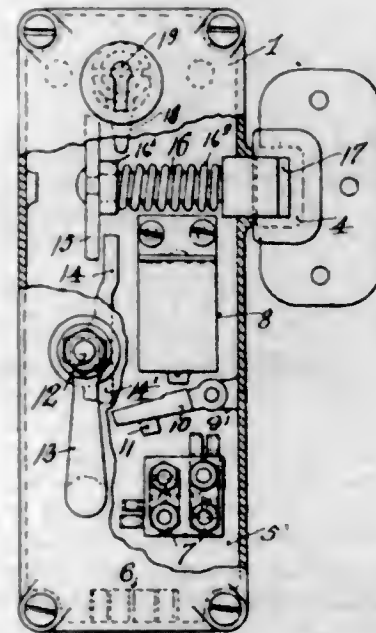
1. A floor or pavement armoring comprising separate metal strips bent to zig-zag form, the strips having holes at the corners thus formed, and being assembled on edge with holes of adjacent strips in register and with the top edges substantially flush, whereby said top edges present a surface adapted, when the assembled armoring is incorporated in a floor or pavement structure, to lie flush with and armor the surface thereof, and rods extending through the openings and holding the strips in assembled position, the rods being of less length than the assemblage, whereby the assembled structure is flexible and adapts itself to the contour of the surface on which it lies.

1,737,413. WALL BOARD. EINAR EROLA, Salem, Mass. Filed Mar. 10, 1927. Serial No. 174,230. 3 Claims. (Cl. 154—45.9.)



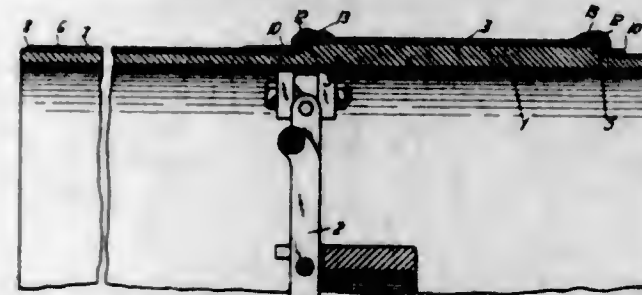
1. Wallboard consisting of a layer of plaster and a cover layer of sheet material on one surface and having a longitudinal slot in an edge of the plaster immediately beneath the cover layer, whereby the margin of the cover layer may be depressed into said slot by fastening means for securing the wallboard to a support.

1,737,414. DOOR LOCK. PARIS R. FORMAN, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Apr. 21, 1926. Serial No. 103,437. 4 Claims. (Cl. 105—395.)



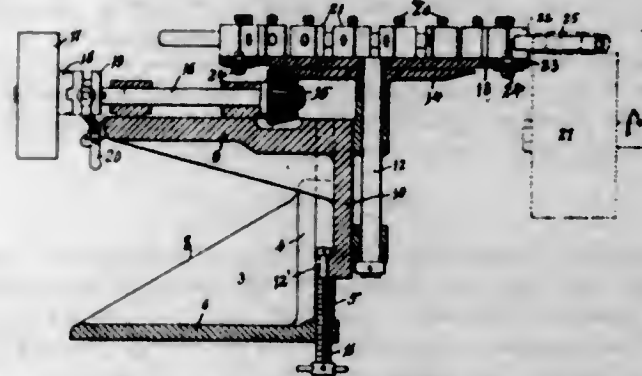
1. In a vehicle door safety lock the combination with a vehicle having doors thereon, of separate electrical means on each door for rendering the doors normally locked when the vehicle is in motion, and separate pneumatic means associated with each of said electrical means to lock the doors whether the vehicle is in motion or not.

1,737,415. PNEUMATIC TIRE AND METHOD OF MANUFACTURING THE SAME. JOHN R. GAMMETER, Akron, Ohio. Filed Mar. 14, 1928. Serial No. 261,448. 9 Claims. (Cl. 154—14.)



1. A process of manufacturing tires, comprising laying up a plurality of piles of cord fabric in substantially cylindrical form, the cords in adjacent piles crossing one another applying a bead to one edge of the piles and a second bead at approximately the center line of the piles, folding the piles over the second bead and uniting the edges thereof around the first bead, shaping the band thus obtained, and vulcanizing.

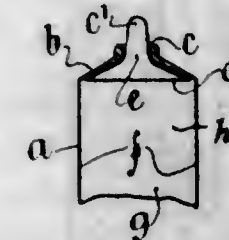
1,737,416. POLISHING MACHINE. ROBERT F. GIBNEY, Hackensack, N. J. Filed Feb. 6, 1926. Serial No. 86,479. 2 Claims. (Cl. 51—108.)



1. In combination a cylindrical buff revolving in a vertical plane, a table revolving in a horizontal plane, article

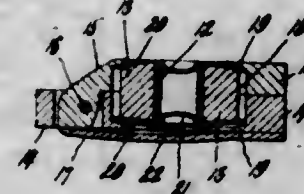
holders on said table disposed at an angle to the radial line of the table, and means for varying the angle of the holders with the radial line of the table, said holders supporting the articles so that the same are free to revolve thereon and to move outwardly, the articles being prevented from moving outwardly while being rotated by the buff by the angular relation of the holders with the buff at the time of contact of the articles with the buff.

1,737,417. COLLAPSIBLE CONTAINER. HERBERT THOMAS GIRDLESTONE and JAMES REST, London, England. Filed Aug. 13, 1928, Serial No. 299,301, and in Great Britain Feb. 4, 1928. 3 Claims. (Cl. 221—60.)



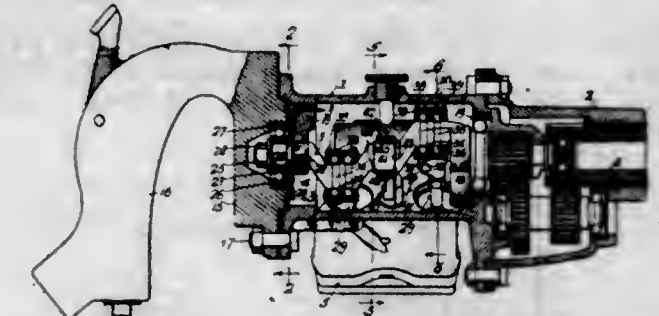
1. A container of which the internal volume can be controlled, for example, by a collapsible body, said container being provided with an orifice having a comparatively stiff projection at least partly round said orifice in combination with a closure member adapted to pass through said orifice, said closure member having a conical form spreading outwards below and upwardly terminating in a peak, the neck of the closure member, on closing the container exactly fitting into the opening and closing tightly up to the wall of the opening, whilst at the same time the upper surface of the spreading part of the closure member closes up against the whole inner surface of the stiff projection to form a tight closure.

1,737,418. SEWING-MACHINE SHUTTLE. ROBERT L. HAM, Boston, Mass., assignor to Summit Thread Company, East Hampton, Conn., a Corporation of Maine. Filed Nov. 12, 1928. Serial No. 318,640. 1 Claim. (Cl. 112—233.)



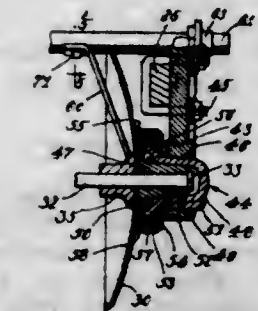
A shuttle for use with a ready-wound headless bobbin, having crowning ends and composed of a cop tube and a thread wound thereon, said shuttle comprising relatively movable body members having coinciding openings collectively forming the divided wall of a circular bobbin chamber and annular inwardly projecting flanges forming annular seats at opposite ends of said chamber, one member being movable relative to the other to open and close the chamber, the shuttle being characterized by smooth, resiliently flexible, transparent heads, adapted to confine a bobbin in the chamber and contact yieldably with the ends of the bobbin, so that the bobbin is rotatable when confined between the heads, its rotation being yieldingly opposed thereby, said heads being frictionally engaged with the chamber wall to prevent rotation and displacement of the heads, and impart thereto a crowning form, the heads being provided with central, convex, opposed, struck-out portions adapted to enter the ends of the cop tube to centralize and permit rotation of the bobbin, a spring presser fixed to one of the body members and adapted to exert inward pressure on the head engaged with said member and inwardly flex the central portion of said head to increase its pressure on the bobbin.

1,737,419. PNEUMATIC TOOL. IVER A. HANSEN, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 18, 1922. Serial No. 607,498. 3 Claims. (Cl. 121—33.)



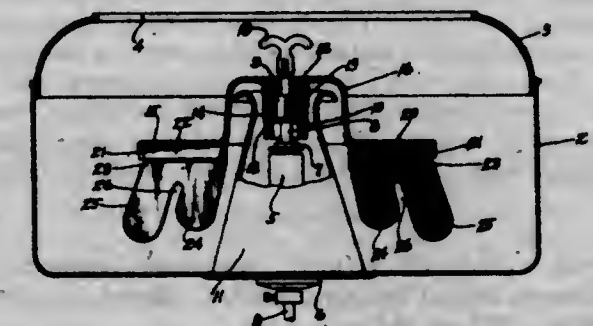
1. In a portable piston actuated pneumatic tool having a casing, a handle closing the rear end of the casing and removably secured thereto, a one-piece crank shaft in said casing for actuating the pistons of the tool with the forward and rear ends of said shaft journaled in the casing and handle, respectively, two counter-weights on said shaft one adjacent each end thereof, said shaft adjacent its rear end having a shoulder and flat and curved surfaces adjacent the same, the rear counter-weight having its bore shaped to be held on the shaft by said flat surfaces, and means carried by said handle and engaging said weight for holding the same against said shoulder.

1,737,420. DISK PLOW. SIMEON B. HENDRICKS, Rockford, Ill., assignor, by mesne assignments, to J. I. Case Company, Racine, Wis., a Corporation of Wisconsin. Filed July 23, 1927. Serial No. 207,911. 6 Claims. (Cl. 97—53.)



1. In a disk plow, the combination with a frame having supporting wheels, and hitching means whereby the same may be pulled, of a gang of plow disks mounted on said frame on supporting arms which provide journal bearings for the axle part thereof, said frame having an offset portion extending past the end disk of the gang, and a thrust bearing mounted on said offset portion to assume the end thrust of the gang in the operation of the plow, the end thrust bearing being universally self-aligning in its mounting on the offset portion of said frame.

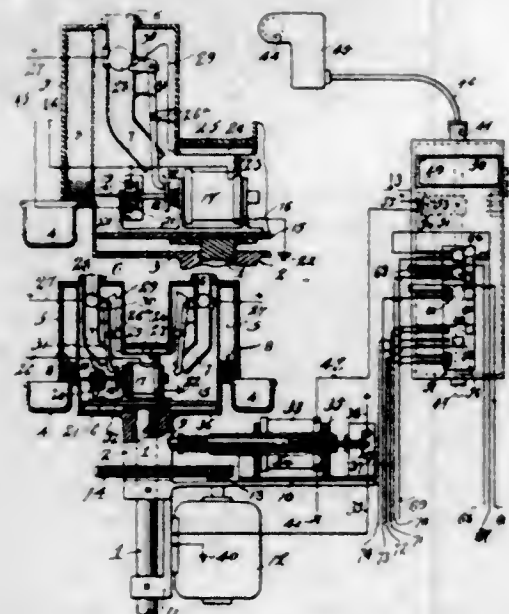
1,737,421. WASHING MACHINE. HERMAN C. HIRSCHY, Duluth, Minn., assignor to The Hirschy Company, Duluth, Minn., a Corporation of Minnesota. Filed Sept. 14, 1928. Serial No. 305,947. 15 Claims. (Cl. 259—101.)



1. A washing machine agitator having pairs of depending fingers, those of the same pair being in substantially

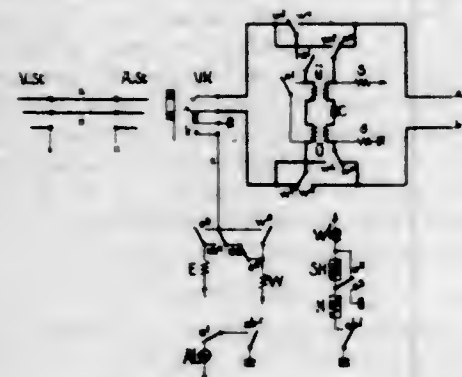
the same vertical plane, an opening being provided between the fingers of each pair, the clothes being engaged by said fingers and stretched across said opening to force water through the clothes and said opening when said agitator is oscillated.

1,737,422. ZONING AND FARE-COLLECTING SYSTEM. JOHN W. HULME, Jackson Heights, N. Y. Filed Jan. 21, 1927. Serial No. 162,581. 13 Claims. (Cl. 194-8.)



1. In a passenger vehicle system, the combination with a restricted area having a plurality of entrance and exit ways and barriers in said ways of means associated with each of said entrance ways for delivering a token and releasing one of said entrance barriers to permit the movement of a passenger through said barrier into said restricted area, said token being adapted to operate said exit barriers.

1,737,423. AUTOMATIC TELEPHONE SYSTEM. THEODOR KORTHÄUER, Berlin-Spandau, Germany, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Filed Feb. 16, 1928. Serial No. 254,812, and in Germany Feb. 16, 1927. 6 Claims. (Cl. 179-27.)

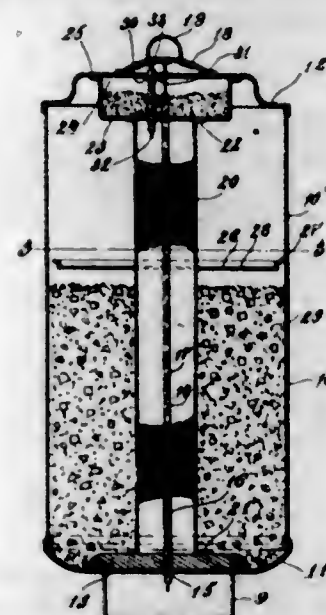


1. In a repeater device for relaying electrical impulses comprising a primary circuit for carrying impulses to be repeated, a secondary circuit co-operating therewith for producing repeated impulses, an incoming line and an outgoing line, connections between said incoming and outgoing lines with said primary and said secondary circuits, and means to reverse the relation of said connections in accordance with the direction in which traffic is initiated.

1,737,424. MARINE TORCH. CHARLES LINHARDT, Jr., Baltimore, Md. Filed Aug. 4, 1927. Serial No. 210,477. 1 Claim. (Cl. 9-8.3.)

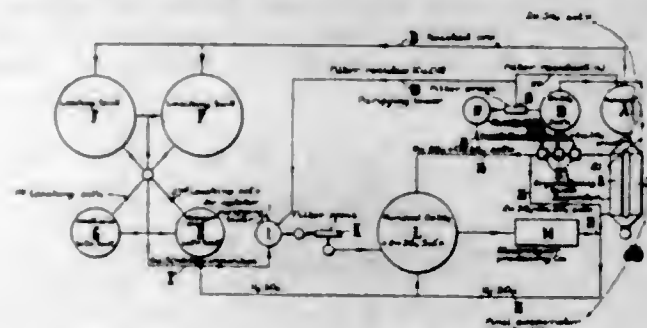
A marine torch comprising a casing having a weight in one end, said casing forming a carbide chamber, a gas

chamber interiorly arranged at the top of said casing, a water conveying tube extending longitudinally through said casing and gas chamber, one end terminating in said chamber and its other end extending through and secured to the bottom of said casing, a burner tube extending through the top of the casing and bottom wall of said gas



chamber, said water tube provided adjacent its lower end with an opening communicating with the carbide gas chamber, valves closing said tubes, means for simultaneously removing said valves to permit water to enter the carbide chamber and also permit water and generated gas to travel to the gas chamber to ignite the burner tube.

1,737,425. ELECTROCHEMICAL PROCESS FOR THE EXTRACTION OF COPPER AND ZINC FROM ORES. HENRY SQUAREBRIGGS MACKEY, London, England. Filed Jan. 28, 1926, Serial No. 84,377, and in Great Britain Sept. 24, 1925. 2 Claims. (Cl. 204-15.)

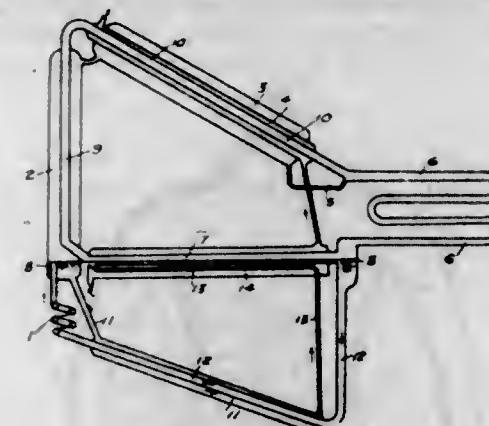


1. A process for recovering copper and zinc from ores or metallurgical products consisting in obtaining the copper and zinc in solution as sulphates, electrolyzing the solution, depositing a portion of the copper until the concentration of copper sulphate is low relatively to the zinc sulphate in the solution, evaporating such solution to crystallize out a portion of the zinc sulphate, redissolving the zinc sulphate crystals and treating the resulting solution with a reagent to precipitate as hydrates such copper or other impurities as may have been crystallized with the zinc, and employing the precipitated copper hydrate in the purification of the zinc and copper sulphate solution before electrolysis.

1,737,426. REFRIGERATING MACHINE OF THE ABSORPTION TYPE. GUIDO MAIURI and RAOUL FELICE BOSSINI, London, England. Filed Apr. 25, 1929. Serial No. 358,091, and in Great Britain Sept. 29, 1927. 2 Claims. (Cl. 62-119.5.)

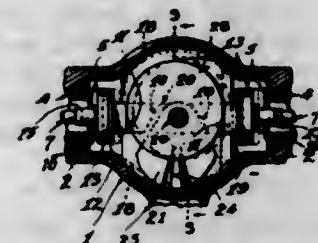
1. An absorption refrigerating machine of the kind in which evaporation and absorption of the refrigerant take place into and from an inert gas, in which the inert gas

is sealed in the machine at atmospheric pressure, comprising a generator, a condenser, an evaporator, an absorber and conduits therebetween having the volumetric



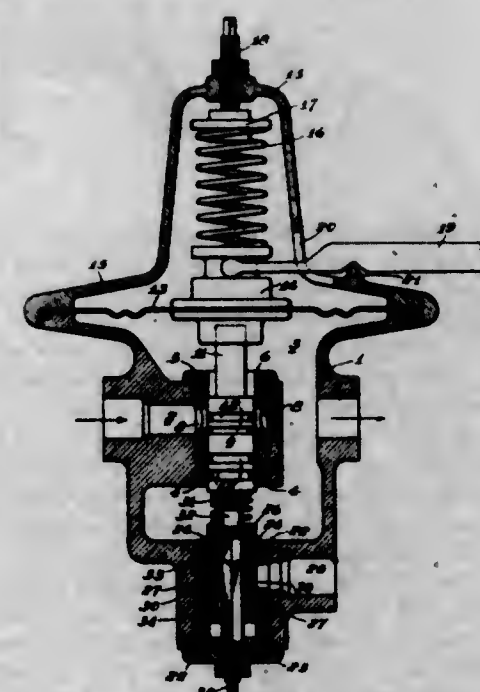
capacity of said evaporator, absorber and connecting conduits in which the inert gas circulates, of less capacity than that of the vapor space in the generator and condenser.

1,737,427. FAUCET. CHARLES A. MEALS, Peoria, Ill. Filed July 7, 1928. Serial No. 291,033. 9 Claims. (Cl. 277-20.)



1. In a hot and cold water faucet comprised in a single structure, the combination with a mixing chamber, hot and cold water conduits opening into said chamber, and a valve for controlling each conduit, each valve adapted to open into said chamber by pressure of fluid thereagainst, of means for seating both valves simultaneously against the pressure thereon, and a member independent of said means with which both valves engage adapted to shift one of the valves in the one direction and permit the other to shift in the other direction to the same degree simultaneously.

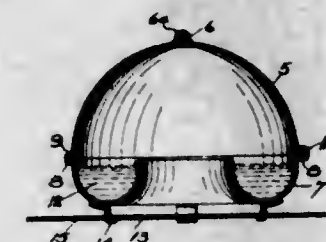
1,737,428. PRESSURE VALVE. NATHAN L. MERCUR, McKeesport, Pa., assignor to C. Howard Hook, Pittsburgh, Pa. Filed Apr. 4, 1928. Serial No. 287,281. 3 Claims. (Cl. 50-23.)



1. A fluid pressure regulator comprising a valve casing having an inlet and an outlet chamber, an opening

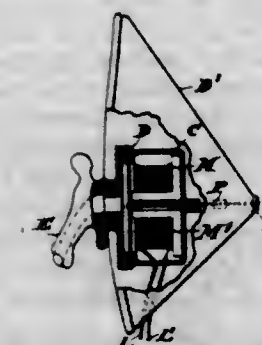
connecting said chambers, a sleeve disposed in said opening, a reciprocable valve fitted into said sleeve, a relief opening in said outlet chamber, a sleeve disposed in said last named opening, a reciprocable valve fitted in said last named sleeve, a valve stem connecting said valves, a diaphragm connected to and adapted to move said valve stem, said diaphragm being adapted to be moved by pressure in the outlet chamber.

1,737,429. INSECT TRAP. CONSTANTY MILEWSKI, Detroit, Mich. Filed Jan. 7, 1928. Serial No. 245,074. 2 Claims. (Cl. 43-122.)



1. An insect trap comprising a transparent dome, means for suspending said dome, an intumed annular trough adapted to contain liquid, a flange around the underside of the dome, an external flange around the outer side of said trough bearing against said dome flange, projections on said trough flange to engage said dome flange, the latter having recesses therein to permit disengagement of said projections depending lugs on the underside of said trough having intumed ends, and a platform extending beyond the sides of said trough having radial slots therein from its margin to receive said lugs, and portions of said platform adjacent the inner ends of said slots resting on the intumed lug ends.

1,737,430. HEARING DEVICE FOR THE DEAF. FRANK E. MILLER, New York, N. Y. Filed Aug. 22, 1927. Serial No. 214,513. 2 Claims. (Cl. 179-107.)

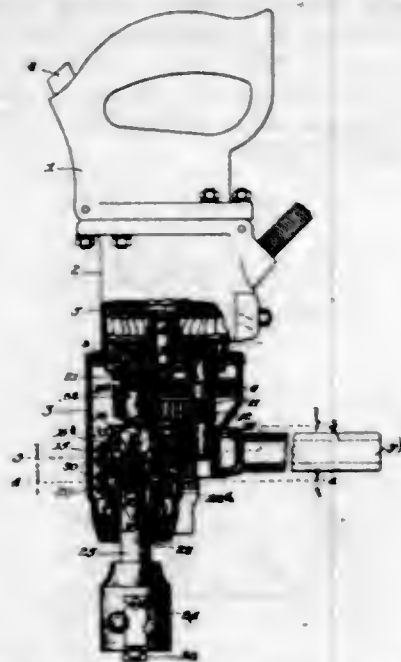


1. In a hearing device for the deaf, a hollow tube adapted to be inserted in the human ear and thereby supported, a case containing an electromagnet, a diaphragm actuated by said electromagnet, an armature arm cooperatively connected with said diaphragm, an outer larger diaphragm shaped to encompass the outer ear and actuated by said armature arm, all as and for the purposes described.

1,737,431. PORTABLE POWER-DRIVEN TAPPING TOOL. REINHOLD A. NORLING, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a Corporation of Delaware. Filed June 14, 1926. Serial No. 115,730. 8 Claims. (Cl. 74-59.)

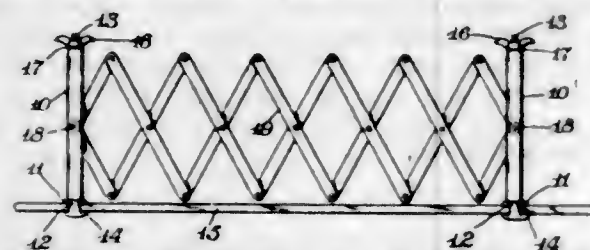
1. A portable power driven tapping tool having a hollow spindle, power operated means for rotating the spindle including forward and reverse gears loose on said spindle, a chuck having a stem extending into said spindle and

having a pin and slot connection therewith, and coating means carried by the spindle and stem, respectively, and



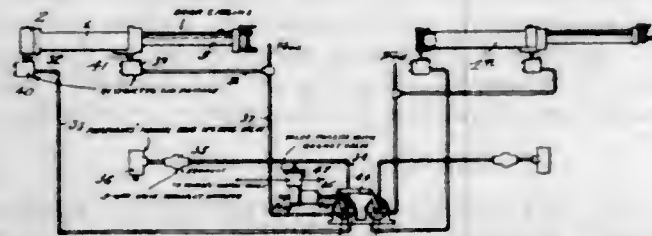
operable through the endwise movement of the stem in the spindle for alternately clutching the spindle to the respective gears.

1,737,432. LUGGAGE CARRIER FOR VEHICLES. DAVID C. ROGERS, Columbus, Ohio. Filed Oct. 4, 1927. Serial No. 223,892. 1 Claim. (Cl. 224-29.)



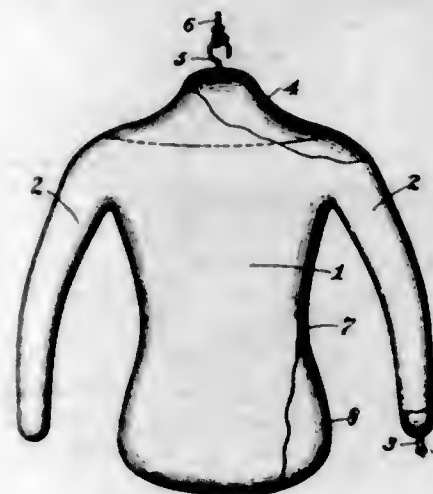
In a luggage carrier for a running board, a luggage confining frame, a pair of tubular posts to which said frame is attached, said posts each being of substantially the full height of said frame and each post having a clamping foot integral therewith to engage the running board, a rod slidable non-rotatably in and confined by each of said tubular posts and each of said rods having a foot integral therewith cooperating with the clamping foot of the tubular post to embrace the running board between them, said rod having its upper end threaded, and a manipulable nut on said threaded end to engage the upper end of the tubular post and adapted to be turned to draw said clamping feet into holding engagement with the running board and close the upper end of the tubular post.

1,737,433. DOOR-OPERATING SYSTEM. HAROLD ROWNTREE, Scarsdale, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed June 16, 1926. Serial No. 116,489. 16 Claims. (Cl. 105-341.)



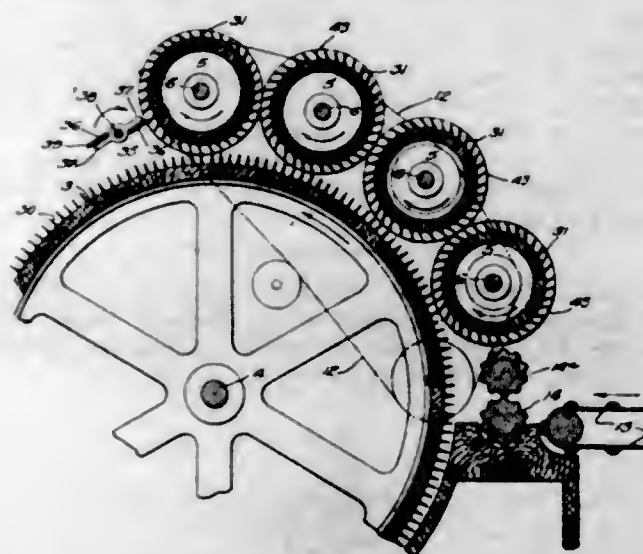
1. In a door operating system for passenger vehicles in combination with a two part door comprising two sections mounted to slide in opposite directions in the same plane of a single power device connected to both parts of said door for sliding them and a hand operated control device connected to said power device to be operated by a passenger to operate said door.

1,737,434. DEVICE FOR PREVENTING THE SHRINKAGE OF DRESSES AFTER BEING CLEANED. SAHAG G. SAHAGIAN, Pochontas, Va. Filed Apr. 30, 1928. Serial No. 274,000. 6 Claims. (Cl. 223-18.2.)



1. A device for preventing the shrinking of dresses and the like after being cleaned, comprising an inflatable bag, said bag conforming in shape to the upper part of the human body, a relatively stiff portion set within the upper extremity of the bag for retaining the shape of the upper portion of the bag, means for suspending the bag, and said bag adapted to be inflated to the desired measurement, said stiff portion conforming in shape to that of a dress hanger.

1,737,435. CARDING PICKER. CHARLES SCHOFIELD, Philadelphia, Pa. Filed Oct. 14, 1927. Serial No. 226,175. 2 Claims. (Cl. 19-99.)



1. In a carding machine, the combination of a frame, a carding cylinder rotatably mounted in said frame; a series of teeth on the surface of said cylinder; a series of rotatably mounted workers positioned adjacent the surface of said cylinder; a series of teeth on each of said workers; a shaft for supporting and rotating each worker; means for adjusting each worker with respect to the other workers and with respect to said cylinder, comprising a bracket at each end of said worker, in which said shaft is rotatably mounted and having a pair of elongated slots formed in and extending longitudinally of said bracket; securing bolts passing through said slots, one of said bolts located at one end of said bracket snugly fitting its respective slot and the other of said bolts loosely fitting within its respective slot; means for moving the bracket longitudinally and with respect to said securing bolts comprising a lug on the frame at the end of the bracket opposite to that in which the worker is mounted, and an adjusting screw threaded through said lug and engaging

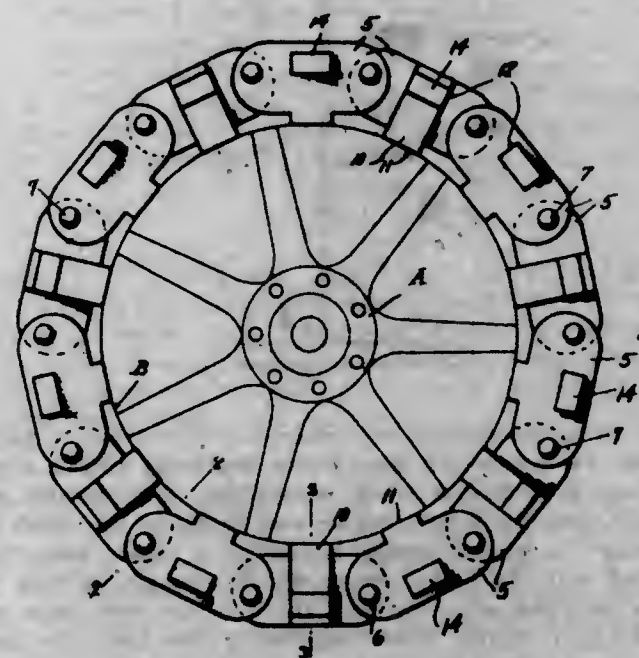
the said end of said bracket; and means for moving the said bracket laterally at the end thereof occupied by and with respect to said loosely fitting securing bolt comprising lugs on the frame at the opposite sides of the bracket, and adjusting screws threaded through said lugs and engaging said bracket at the opposite sides thereof.

1,737,436. FRUIT JAR. FRANK J. SEMOTAN, Tama, Iowa. Filed Apr. 8, 1929. Serial No. 353,433. 2 Claims. (Cl. 215-37.)



1. In a fruit-jar and closure, the combination of a jar having an annularly expanded, flat-topped mouth, a wiring retaining shoulder formed on the neck, a pair of clamp-bolts with thumb-nuts held by an encircling wire under said shoulder, a head formed with a marginal, flat annular flange to match the mouth of the jar, and a ring-like yoke encircling the head and engaging said flange, with pierced lugs engaged by the clamp-bolts, whereby the head is drawn to a sealing position on an interposed gasket.

1,737,437. ANTISKID ARMOR FOR CUSHION-TIRE WHEELS. HARRY N. SHAW, West Grove, Pa. Filed Feb. 8, 1928. Serial No. 252,840. 4 Claims. (Cl. 152-4.)

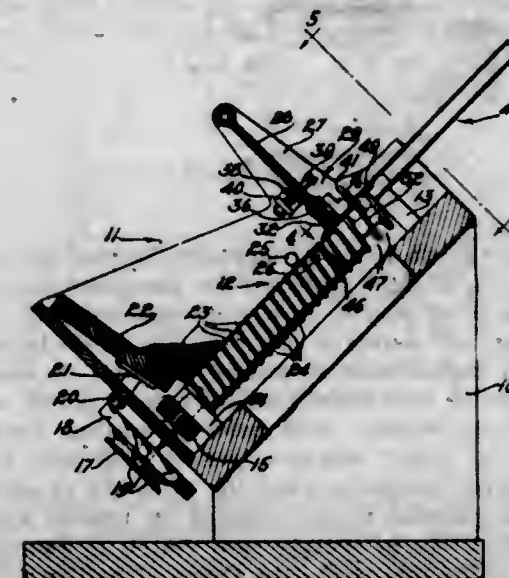


4. An anti-skid armor for cushion-tired wheels comprising a pair of annular side sections, each section connected to the wheel.

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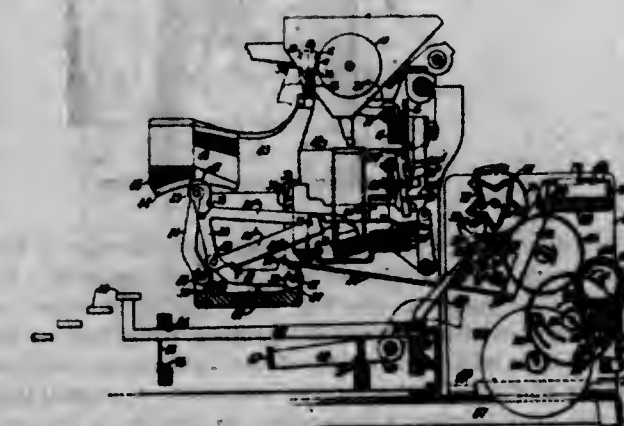
sisting of a plurality of pivotally connected links, detachable tread blocks for disposition between said side sections, said blocks being provided with reduced extensions at its ends, the links being provided with openings to receive the extensions, removable means for securing said sections against said blocks, and means on said links for engagement with the usual rim of the wheel to prevent lateral displacement of the armor, said last mentioned means consisting of projections extending laterally from the links.

1,737,438. APPARATUS FOR ARRANGING ARTICLES. HARRY CARPENTER STEARNS, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 27, 1926. Serial No. 91,280. 20 Claims. (Cl. 209-107.)



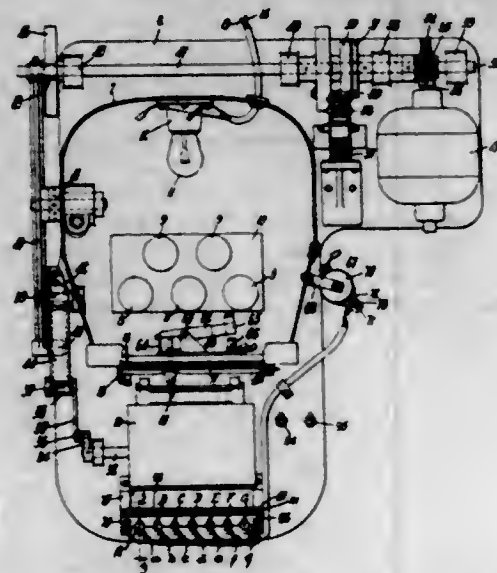
1. In an apparatus for arranging articles, a receiving means, a screw mechanism associated therewith designed to receive and advance articles and to deliver the advanced articles in proper predetermined position to the receiving means, and means carried by the screw mechanism adapted to prevent improperly positioned articles from being advanced to the receiving means.

1,737,439. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed June 12, 1925. Serial No. 38,594. 21 Claims. (Cl. 197-17.)



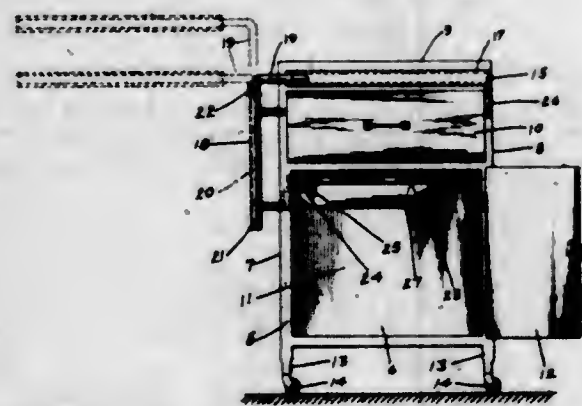
8. In a typewriting machine, the combination with a system of type-bars, of a power-drum, a system of keys, interponents operatively connected to the type-bars and normally tending to enter the path of the power-drum to be driven thereby, means to enable the keys to release the interponents to be operated by the drum, and means actuated by the keys that operate to release the power-drum for an interruptive rotation, each interponent being operable by said drum to move the type-bar operatively connected therewith to the printing point.

1,737,440. PHOTOGRAPH-PRINTING MACHINE. JOSEPH R. THONET, Wakefield, Mass., assignor to Sprague-Hathaway Manufacturing Co., Somerville, Mass. Filed Dec. 13, 1926. Serial No. 154,402. 5 Claims. (Cl. 95-73.)



1. A photograph printing machine, having, in combination, a source of light, a holder for sensitized sheet material, a source of motive power, means normally disconnected from said source of power to move said holder into position to expose said sensitized material to said light with a negative interposed therebetween, a clutch adapted to operatively connect said holder-operating mechanism and source of power, means to render said light effective and ineffective, means to vary the intensity of said light, and means adapted to be actuated in unison with said last-named means to operate said clutch to connect said holder-operating means to said source of motive power.

1,737,441. BEDSIDE TABLE. GEORGE G. ULMER, JR., Minneapolis, Minn., assignor to Standard Sterilizer Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 17, 1927. Serial No. 199,541. 7 Claims. (Cl. 45-31.)

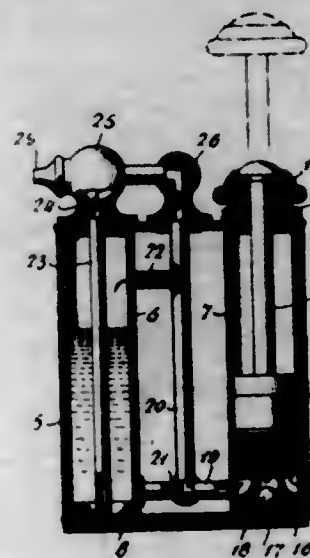


4. A bedside table comprising a cabinet having a top plate, a storage chamber beneath said plate open on two sides, said plate forming the top wall of the chamber, a tray normally positioned in said chamber with two of its edges coincident with the walls of the cabinet to provide closures for the open sides of the chamber, a supporting arm for the tray having a depending extension, a tubular support for the extension secured to the cabinet and providing vertical adjustment of the tray, and locking means on the tubular support for locking the tray in its adjusted positions.

1,737,442. ATOMIZER. NATHAN WEIDNER, Bronx, N. Y. Filed June 12, 1928. Serial No. 284,836. 4 Claims. (Cl. 299-89.)

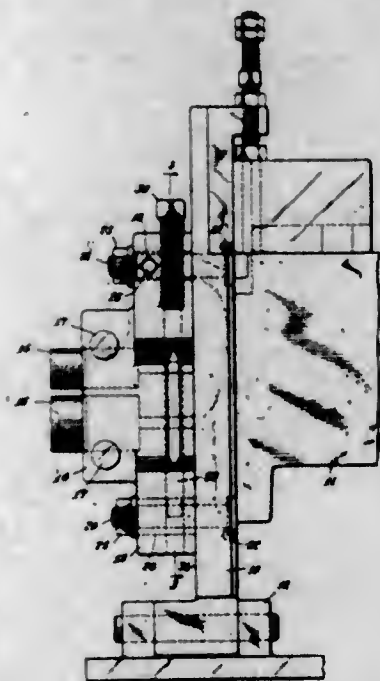
1. An atomizer including a casing, liquid and air chambers in said casing, means to establish communication be-

tween said chambers, means in said air chamber for transmitting air pressure therefrom to said liquid chamber to force the liquid therefrom, an atomizing chamber into which said liquid is discharged, an atomizing nozzle in the latter chamber communicating with said air chambers to receive



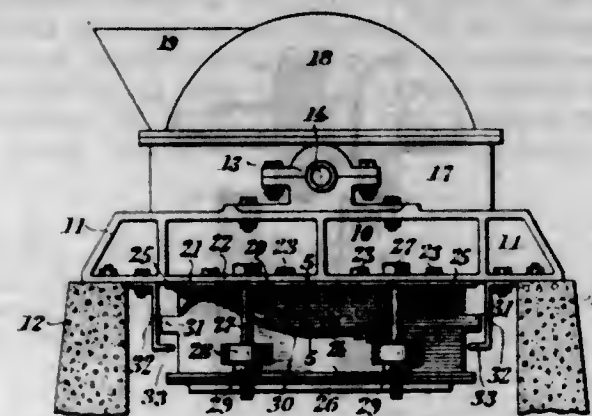
part of the pressure therefrom to atomize the liquid in said atomizing chamber, a discharge nozzle through which the atomized liquid flows, and a spring-pressed valve carried by said discharge nozzle for closing the outlet end of said atomizing nozzle.

1,737,443. PUNCH-HOLDER MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 7, 1926. Serial No. 107,381. 12 Claims. (Cl. 10-26.)



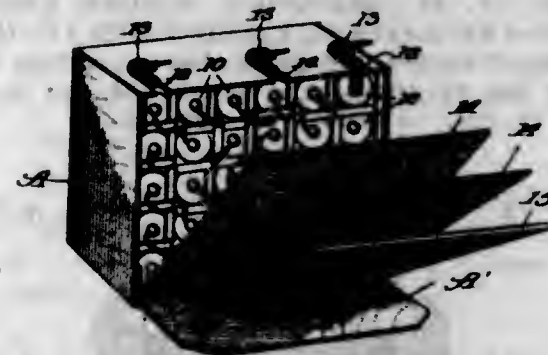
3. In mechanism of the character described; a punch holder having one or more punch retaining means, a slot and an aperture; a block within the slot; means connected with the punch holder and engaging the block for moving the punch holder laterally; a slide; bolts connected with the slide, one of which projects through the block and the other through the aperture, the cross sectional area of this latter bolt being less than the aperture; and screws threaded into the holder upon opposite sides of and engaging the bolt within the aperture to move the punch holder relatively to the bolt and securing the same in its adjusted positions.

1,737,444. HAMMER MILL. JOHN GILMORE WILSON, Paoli, Pa. Filed Jan. 4, 1928. Serial No. 244,481. 6 Claims. (Cl. 83-11.)



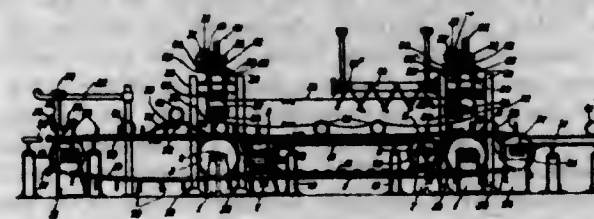
1. In combination with a pulverizing machine having a base supported at each end so that its bottom is unobstructed and accessible from the exterior, a thin, substantially continuous-surfaced, perforate screen closing the bottom of the machine and retaining means for the screen suspended from the base, for bodily removal therefrom, permitting removal of the screen in its entirety from the base.

1,737,445. DRY-BATTERY CONSTRUCTION. HERMAN R. C. ANTHONY, Madison, Wis., assignor to French Battery Company, Madison, Wis., a Corporation of Wisconsin. Filed May 18, 1928. Serial No. 278,723. 2 Claims. (Cl. 136-132.)



1. A battery comprising; an inner box with an open side, said box having openings in its top; a plurality of electrically connected horizontally disposed cells nested in said box, some of said cells being equipped with terminals extending through the openings in the top of said box; a flap rising from the lower edge of the open side of said box; an outer open bottom box telescoped over the inner box and flap, said outer box having openings in its top to accommodate the aforementioned cell terminals; and means for holding the boxes together, said means including a suitable adhesive applied to contacting surfaces of the outer and inner boxes including the flap.

1,737,446. LINING OF IRON AND STEEL PIPES, TUBES, AND OTHER HOLLOW BODIES. CHARLES GURNEY ATHA, Biggar, Scotland, assignor to Stewarts & Lloyds Limited, Glasgow, Scotland. Filed June 27, 1927. Serial No. 201,930, and in Great Britain Jan. 1, 1927. 22 Claims. (Cl. 91-42.)



1. Apparatus for centrifugally lining iron and steel pipes with a liquid bituminous substance, comprising con-

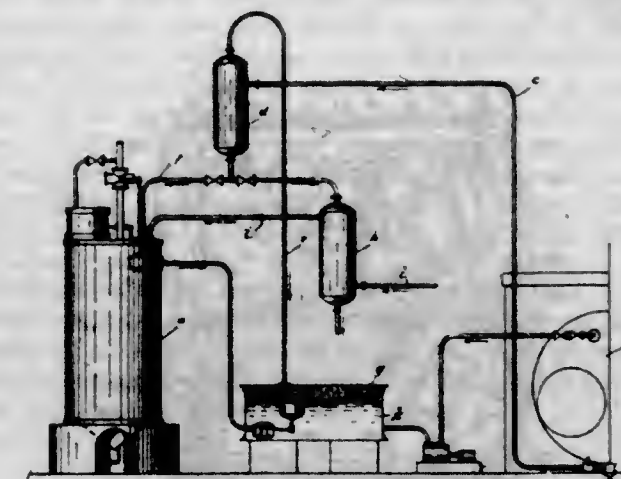
tinuously running lower travelling members, upper travelling members moving continuously with a linear velocity different from that of the lower travelling members, and means for feeding said pipes after they have been charged with liquid bituminous substance in between the upper and lower travelling members where they are translated by the lower members and spun simultaneously about their own axes by the co-action of the upper and lower members to distribute the bituminous substance as a lining uniformly over their interior surfaces.

1,737,447. COATING CONFECTIONERY AND THE LIKE. GEORGE RALPH BAKER, London, and JAMES WASHINGTON EPPS, Warlingham, and GEORGE WILLIAM PERKS, Southport, England, assignors to Baker Perkins Company Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1927. Serial No. 179,662, and in Great Britain Mar. 31, 1926. 8 Claims. (Cl. 91-68.)



3. A method of coating confectionery and like goods, consisting in depositing on the goods a curtain of coating substance, and chilling one surface of the curtain before it reaches the goods so as to form a definite external stratum of such curtain in partly crystallized or "grained" condition.

1,737,448. METHOD OF WORKING FOR THE CLEANING OF BOILER-FEEDING WATER. MORITZ BAUER, Stuttgart, Germany. Filed July 22, 1925. Serial No. 45,358. 1 Claim. (Cl. 122-398.)



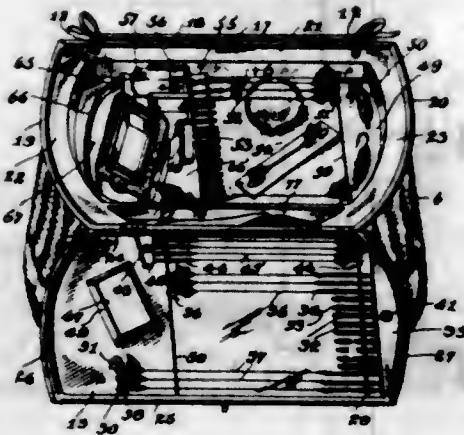
The process for purifying boiler feed water which comprises conducting the boiler sludge to purifying apparatus through an interposed expansion chamber in which the sludge is freed from steam, thereby preventing boiling over of the sludge in the purifying apparatus, and causing the steam thus liberated from the sludge to fill the space above the liquid level in a closed reservoir in which purified feed water is received from the purifying apparatus and from which it is supplied to the boiler, the presence of said steam thus excluding atmospheric oxygen from contact with the feed water in said reservoir.

1,737,449. SPARK CATCHER. MARCUS F. BOOTH, JR., Spencer, Iowa. Filed Dec. 21, 1927. Serial No. 241,628. 1 Claim. (Cl. 183—94.)



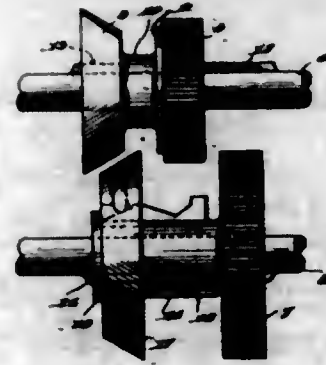
A spark catcher comprising a casing adapted to fit over the end of a chimney, a V-shaped member transversely arranged in the lower part of the casing above the chimney opening, wings extending downwardly at an incline from the sides of the casing with their inner ends extending inwardly beyond the vertical planes of the outer edges of the V-shaped member, said wings forming pockets with the sides of the casing for receiving the products of combustion diverted by the V-shaped member, said casing having openings therein at the ends of the V-shaped member whereby liquids collecting in the V-shaped member will escape through said openings and the casing having a top of wedge shape with its apex cut off to form a discharge opening, the said top and wing forming an expansion chamber for the products of combustion.

1,737,450. FISHING CREEL. JOHN FREDERICK BURCH and ARNOLD HARRISON MORTON, Billings, Mont. Filed June 8, 1928. Serial No. 283,973. 4 Claims. (Cl. 43—31.)



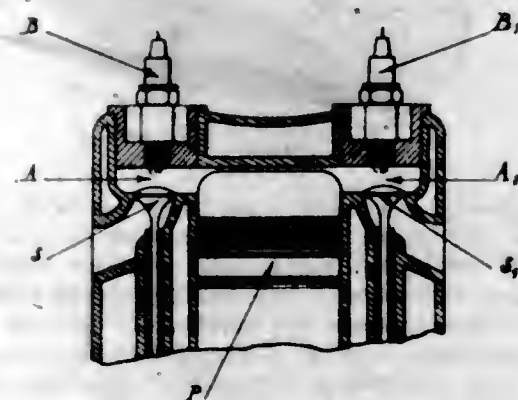
2. A fishing creel comprising a container, a hollow cover for the container, a lid for giving access to the hollow cover, a rod in the hollow cover for receiving fish hooks, a row of coil springs arranged side by side opposite said rod and having hooks thereon for engaging in the loops of the leaders of said fish hooks, and a clamp bar for securing said row of coil springs in place having a part for fitting down between certain convolutions of the springs.

1,737,451. TRANSMISSION GEAR. BAYLIES V. CLARK, Annapolis, Md. Filed Feb. 9, 1929. Serial No. 338,712. 3 Claims. (Cl. 74—58.)



1. In a transmission gearing, a drive shaft, a driven shaft arranged parallel thereto and equipped with a gear, a drive gear axially movable on the drive shaft, a friction gear carried thereby, a friction gear axially movable on the driven shaft and keyed thereto and engaged by the first mentioned friction gear upon axial shifting of the driven gear in one direction, a spring pressed plunger carried by the axially movable friction gear, and means cooperating with the plunger in resisting the movement of the axially movable gear and thereby cause the two shafts to be rotated in synchronism prior to meshing of the two gears.

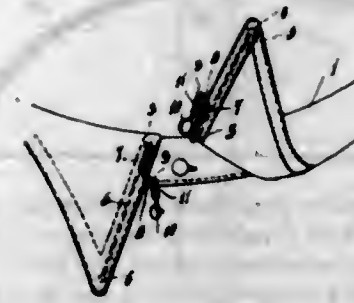
1,737,452. DEVICE INSURING AN INTENSE STIRRING UP IN EXPLOSION MOTORS PROVIDED WITH TWO LATERAL VALVE BOXES (T HEADS). ALBERT ALEXANDRE AUGUSTIN D'ARCHE, Algiers, France. Filed July 18, 1928. Serial No. 293,534, and in France July 29, 1927. 1 Claim. (Cl. 123—191.)



In a four cycle internal combustion engine, a T-shaped cylinder head, provided with two lateral valve chambers, the one containing the admission valve, the other the exhaust valve, each valve chamber being entirely lateral to the cylinder and at a level with the top of the piston when the latter is at the end of its in-stroke, the upper surfaces of said valve chambers being in the same plane as that of the cylinder, each of the valve chambers communicating with the cylinder by a lateral passage arranged practically at right angles to the axis of the cylinder and the free space remaining at the end of the compression stroke, between the upper end of the cylinder and that of the piston, being substantially eliminated to isolate the two valve chambers and cause them to form two combustion chambers practically distinct from each other, each said chamber having its own ignition means, all arranged so that the piston towards the end of its compression stroke progressively closes the lateral passage between the cylinder and each valve chamber, and hence causes the passage therethrough at increased speed to the gases remaining in the cylinder, and therefore also causes an active turbulence in each combustion chamber at the moment of

ignition while at the return, at high speed, into the cylinder of the gases at high temperature in a direction practically parallel to the end of the piston, the violent agitation produced by the meeting of the opposite jets from each chamber completes almost instantaneously the combustion of the gases so that the engine permits the use of mixtures which are less rich than normally required but whose combustion is nevertheless extremely rapid.

1,737,453. PIN FOR SOFT COLLARS. JAMES J. DORAN, Ely, Nev.; Susan M. Doran administratrix of said James J. Doran, deceased. Filed Sept. 25, 1928. Serial No. 308,222. 3 Claims. (Cl. 24—88.)



3. Holding means for soft collars, comprising a pair of pin-like members designed to be inserted between the plies of the collar from the under side to each position along one of the opposed front edges of the collar, a head formed upon the lower end of each of said pins, a turned back portion formed at the other end of each pin and terminating in a lateral extension, link members carried by each of said lateral extensions, and a snap fastener for connecting said links and having its portions carried thereby.

1,737,454. MEDICAMENT APPLICATOR. ERNEST L. FOLEY, Alpena, Mich. Filed Mar. 23, 1928. Serial No. 264,199. Renewed Oct. 8, 1929. 4 Claims. (Cl. 128—260.)



1. A medicament applicator comprising a tubular body having a laterally curved enlarged discharge end portion, the bore of said body being enlarged in said discharge end portion to provide a chamber for the reception of a medicament, a plunger slidable in said chamber and constituting the bottom wall of the chamber, said plunger having a concavely curved outer face, said body having a pair of oppositely extending ring members at its rearward end, and a plunger operating stem comprising a flexible section attached to said plunger and extending in the bore of the body for part of the length of the body and a rigid section connected with said flexible section and protruding from the rearward end of the body, said rigid section having a ring portion at its outer end.

1,737,455. METHOD OF FORMING GEAR BLANKS AND THE LIKE. LOUIS T. FREDMICK, Valparaiso, Ind., assignor to Fibroc Insulation Company, Valparaiso, Ind., a Corporation of Indiana. Filed Mar. 11, 1927. Serial No. 174,688. 11 Claims. (Cl. 154—2.)

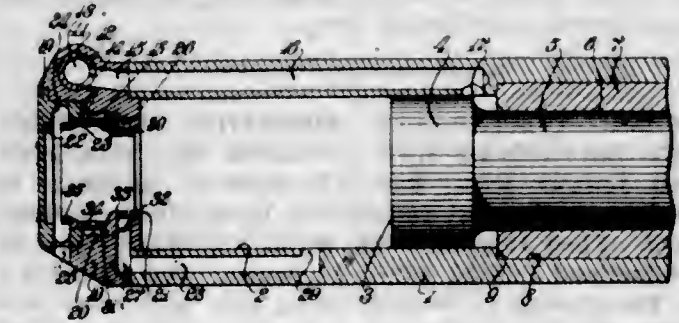
11. In the method of forming composite articles, the step of forming a stack of strips of sheet material im-

pregnated with a suitable heat curing binder in unreacted form and provided with spaced registering slits extending from an edge of each strip to a point spaced from the opposite edge, the step of shifting the individual strips



endwise with respect to each other to thereby bring the slits out of register, the step of arranging the pile of strips arcuately, and the step of compacting the arcuately arranged strips together under heat and pressure.

1,737,456. PRESSURE-FLUID MOTOR. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 30, 1927. Serial No. 243,726. 11 Claims. (Cl. 121—27.)

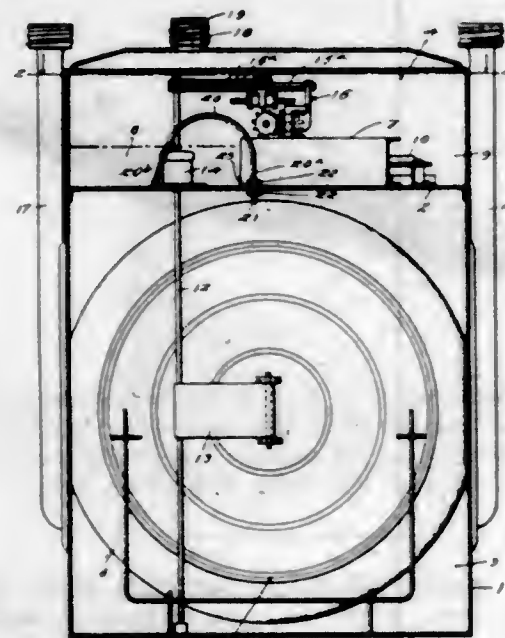


1. A pressure fluid motor comprising a cylinder having a bore and a piston reciprocable therein having differential pressure areas, and fluid distribution means for effecting reciprocation of said piston comprising a differential sleeve valve for controlling the supply and exhaust of pressure fluid for the rear end of the cylinder bore and having opposed differential front and rear pressure areas, the bore of said sleeve valve, in a predetermined position of the latter, constituting a passage for conducting exhaust from the rear end of the cylinder, means for subjecting the rear pressure area on said valve to constant pressure, means for subjecting the opposed front pressure area on said valve to pressure within the front end of the cylinder bore while the piston is still remote from its rearmost position, and means for supplying pressure constantly to the front end of said cylinder bore.

1,737,457. METER LUBRICATOR. JOHN M. GOW, Muskegon, Mich. Filed June 13, 1925. Serial No. 36,875. 1 Claim. (Cl. 184—84.)

A meter lubricator, comprising in combination with a meter casing, a horizontal partition therein dividing the interior of the casing into two vertically arranged compartments, a vertical partition in the upper compartment dividing said compartment into two horizontal compartments, one of said compartments being adapted to contain a lubricant for lubrication of the diaphragms of bellows in the lowermost compartment, the horizontal partition provided with an opening connecting the lower compartment with the lubricant compartment, an arcuate tube located in the lubricant compartment, a wick in said tube

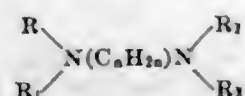
and having its ends extending beyond the ends of the tube, one end of said tube extending through the opening aforesaid and threaded, nuts mounted on said threaded end of



the tube and on opposite sides of said horizontal partition to adjust the tube in the partition, and washers interposed between the nuts and the partition and surrounding the tube to provide a leak-proof joint.

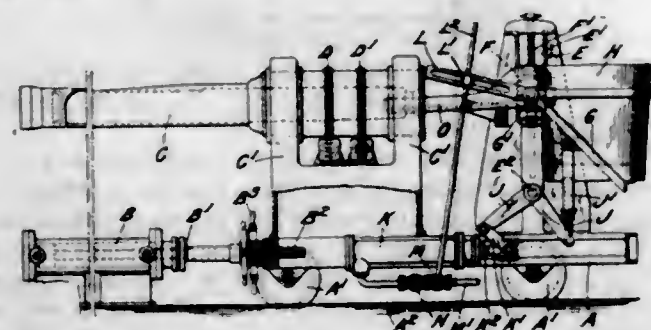
1,737,458. QUATERNARY AMMONIUM COMPOUND AND PROCESS OF MAKING SAME. MAX HARTMANN and JOHANN KÄGI, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed July 19, 1928, Serial No. 294,046, and in Switzerland July 26, 1927. 14 Claims. (Cl. 260—124.)

1. The process of manufacturing new quaternary ammonium compounds by treating an acylated diamine of the general formula



(wherein R means H, acyl or a hydrocarbon radical, R₁ means acyl, R₂ and R₃ means the hydrocarbon radicals alkyl, aryl or aralkyl and n a whole number) with any alkylating agent.

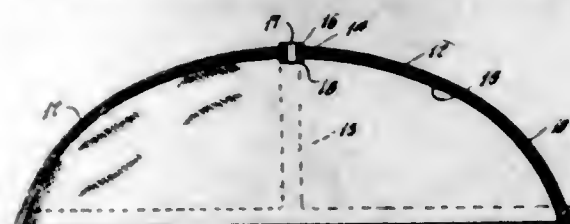
1,737,459. METAL-POURING APPARATUS FOR CENTRIFUGAL CASTING MACHINES. JAMES EDGAR HURST, Thorncliffe, England, and EDMUND BRUCE BALL, Kilmarnock, Scotland, assignors to Centrifugal Castings Limited, Kilmarnock, Scotland, a Registered Company of Great Britain. Filed Dec. 3, 1928, Serial No. 323,463, and in Great Britain Jan. 4, 1928. 4 Claims. (Cl. 22—65.)



1. In metal pouring apparatus for centrifugal casting machines the combination of a pouring trough, a carrier for a molten metal reservoir of normal cross-section

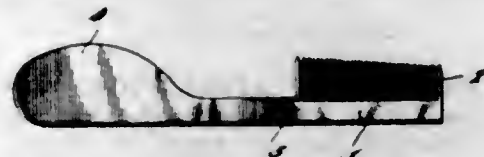
mounted adjacent to the trough so as to tip the molten metal contained in the reservoir into the trough, a pressure-operated ram for tipping the carrier, a valve controlling the supply of pressure fluid to the ram, and an operative connection between the carrier and the valve such that the carrier is tipped at a speed which delivers molten metal to the pouring trough at a constant rate throughout the pouring operation.

1,737,460. ELECTRIC HAIR-PRESSING CAP. WALTER GEORGE JOHNSON, New Orleans, La. Filed Mar. 28, 1929. Serial No. 350,640. 1 Claim. (Cl. 219—46.)



A cap of the class described conforming substantially in shape to the skull comprising an outer body of rubber, a lining, sheets of asbestos between the lining and rubber, an electrical heating element between the sheets of asbestos, a plate fastened to one of the sheets of asbestos having binding posts for the heating element, a hollow tip integral with the rubber body, and a conductor passing through the tip to said binding posts.

1,737,461. HAIR-CUTTING DEVICE. CRESSIE KASSOW, Key West, Fla. Filed Apr. 22, 1929. Serial No. 357,277. 2 Claims. (Cl. 132—11.)



1. A comb for the purpose set forth, comprising a straight portion provided with teeth on one of its edges that provides a comb portion, said straight portion having its inner end formed with a curved shank that merges into a straight portion that affords a handle, said handle having its edge parallel to that of the teeth widened and rounded and gradually decreased in thickness from its straight edge to its said rounded edge.

1,737,462. DRILL. REINHOLD KRAUSE, Columbia Falls, Mont. Filed Aug. 3, 1928. Serial No. 297,246. 1 Claim. (Cl. 144—106.)



A drill construction comprising supporting members having a common pivot connection at the uppermost meeting ends thereof, a bearing block having a bore, an L-shaped attaching plate carried by the bearing block and swingably

mounted upon the outer side of one of the supporting members, and a drill having the shank thereof slidably and rotatably mounted within the bore of the bearing block and which when called into use provides a complementary support for the supporting members.

1,737,463. FOUNTAIN PEN. ISAIA LEVI, Turin, Italy. Filed Mar. 21, 1928, Serial No. 263,540, and in Germany Apr. 2, 1927. 7 Claims. (Cl. 120—49.)



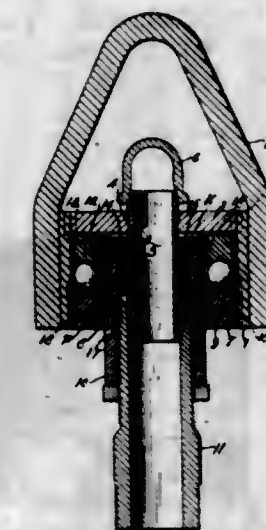
1. A fountain pen comprising an outer barrel, a pen body mounted to move in said barrel, a nib on said body and a collapsible ink reservoir within said body, means for shifting said body to carry it and said nib in writing position and in reservoir filling position, a manipulating part mounted in said barrel and adapted to extend thereinto, and reservoir collapsing means in said body for actuation by said manipulating part only when said body is in its reservoir filling position.

1,737,464. UMBRELLA. HENRY R. LILLICH and CARTER SMITH, Boring, Oreg. Filed Aug. 10, 1928. Serial No. 298,723. 1 Claim. (Cl. 135—31.)



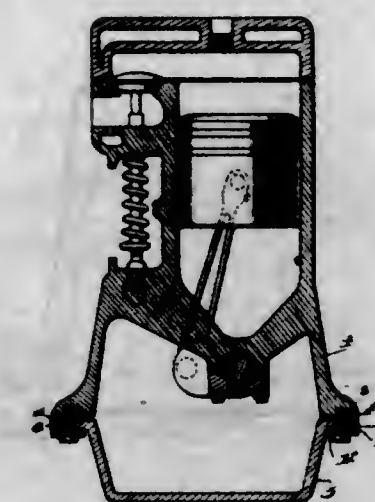
An umbrella rib including a pair of channel shaped members, one of which is slidably received in the other, and a rod extending longitudinally within one of the channel shaped members and lying within the other of such channel shaped members when collapsed to prevent lateral separation of the channel shaped members when so collapsed.

1,737,465. WATER SWIVEL FOR USE IN WELL DRILLING. EARLE LINDSEY, Taylorsville, Miss. Filed Jan. 4, 1929. Serial No. 330,210. 3 Claims. (Cl. 255—25.)



1. A swivel of the class described comprising a casing, a yoke connected therewith, a lower ball race removably arranged in the lower part of the casing, a cover for the top of the casing, a tube passing through the center of the cover and projecting into the casing, means for connecting a supply pipe to the upper end of the tube, a sleeve extending into the casing, a ball race on the sleeve arranged above the first race, balls between the two races, a coupling extending into the sleeve and threaded thereto, the tube extending into the upper end of the coupling and packing material placed in the space formed by the sleeve, the tube and the upper end of the coupling.

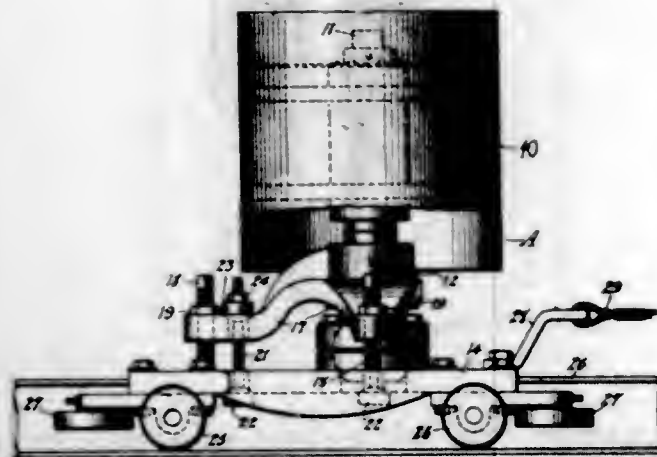
1,737,466. NOISE ELIMINATOR FOR INTERNAL-COMBUSTION ENGINES. HARRY J. LYND, Parsons, Kans. Filed Dec. 12, 1927. Serial No. 239,543. 1 Claim. (Cl. 121—194.)



The combination with an engine crank case and pan having laterally extending attaching flanges for connecting them together, said flanges having bolt holes therein, the holes in one flange being larger than those in the other, a vibration absorbing gasket arranged between said flanges, bolts passing through or into said flanges and gasket, another vibration absorbing gasket arranged outside the flange having the larger openings therein and through

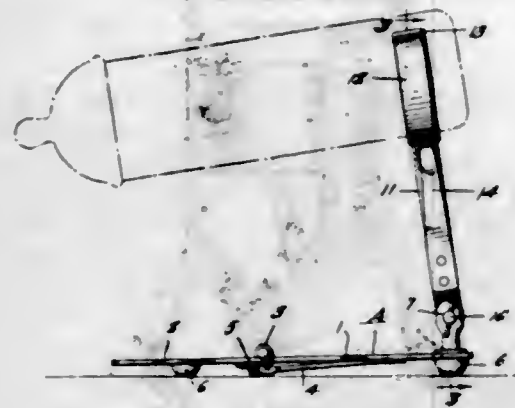
which said bolts also pass whereby the members are connected and the flanges secured against metallic contact, and a protecting pressure plate arranged outside the last mentioned gasket and secured by said bolts.

1,737,467. BELT TIGHTENER. PAUL E. MAHAFFEY, Tulsa, Okla. Filed Nov. 14, 1928. Serial No. 319,383. 2 Claims. (Cl. 64-5.)



1. A belt tightener, including a baseplate, a bracket having ball and socket adjustable engagement with the baseplate, a shaft or stud secured in the bracket, a pulley on said shaft adapted to engage the run of an endless belt, arms on said bracket at an angle to each other, means adjustably securing said arms relative to the baseplate to secure the pulley at the desired angle, and a weight exerting a constant and predetermined pull on said plate.

1,737,468. NURSING-BOTTLE HOLDER. LOUIS BOLLUS MCANANEY, New Castle, Pa. Filed Apr. 16, 1928. Serial No. 270,428. 5 Claims. (Cl. 248-65.)



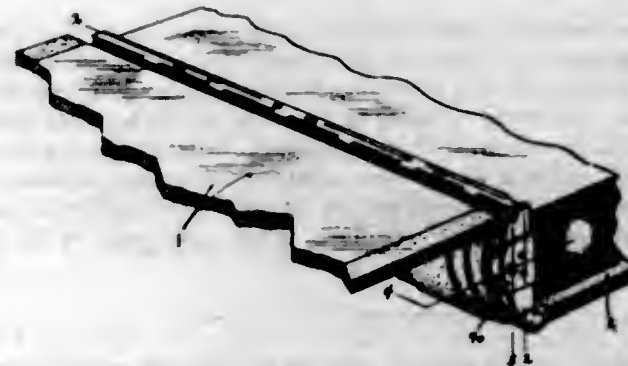
1. A nursing bottle holder comprising a foldable base, an upright connected with one end of the base, a pair of bottle holding jaws having their stems pivoted to the upright, means for producing friction between the stems and the upright to hold the jaws in adjusted position, such means consisting of a slot of wedge shape in the upright for receiving the lower ends of the stems, said ends being bowed outwardly and a pivot pin passing through the upright and the said ends.

1,737,469. FLUE CAP FOR GAS STOVES. JOSEPH A. MCCARTHY, Jamaica, N. Y. Filed Dec. 6, 1928. Serial No. 324,272. 8 Claims. (Cl. 126-299.)



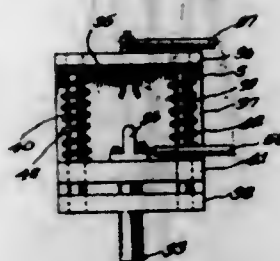
1. The combination with the outlet flue of a gas stove, of a flue cap adapted to be attached to the outlet flue and having a horizontal outlet outletting through a back part of the stove in a direction away from the back wall.

1,737,470. LOOSE-LEAF BINDER. DONALD S. MCCHESEY, Syracuse, N. Y. Filed May 7, 1928. Serial No. 275,738. 6 Claims. (Cl. 129-24.)



4. In a device of the class described, a pair of opposed housings each having an open end and a closed end, a pintle-carrying slide slidably mounted in each housing, detachable means extending across the open ends of the housings for securing the pintle carrying slides in the housings, and means for locking the last-named means in position.

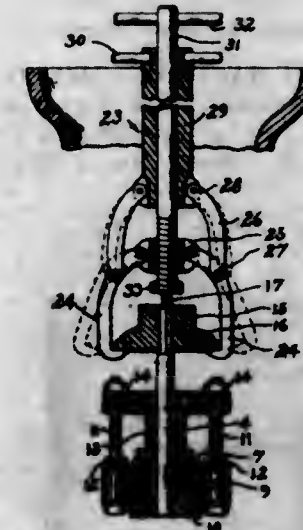
1,737,471. WEIGHT-OPERATED SWITCH. EVERETT A. MCNEIL, Kenosha, Wis. Filed June 20, 1927. Serial No. 200,124. 1 Claim. (Cl. 200-85.)



In a device of the class described, a supporting structure, guide rods in said supporting structure, a weight member slidably mounted on said guide rods, means for moving said weight member relative to said guide rods, said weight member having a lug provided thereon, a bracket member mounted on said supporting structure, guide members in said bracket member, a plate adapted for movement over said guiding members, a fixed contact carried by one of said bracket members, spring members adapted to act on said plate to urge said plate away from

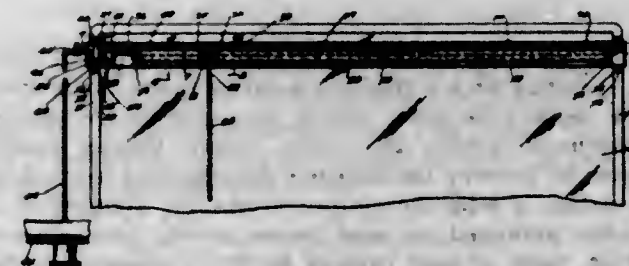
said contact member, a contact member on said plate adapted to engage said first named contact member, a rod member extending through a portion of said bracket member and fixed to said plate adapted to lie in the path of movement of said lug on said weight member whereby said lug may engage said rod member to move said plate member against said springs to bring said contacts into circuit closing relation.

1,737,472. MEANS FOR REPACKING VALVES. GEORGE F. MERRILL, Ware, Mass. Filed Sept. 21, 1927. Serial No. 221,088. 4 Claims. (Cl. 29-84.)



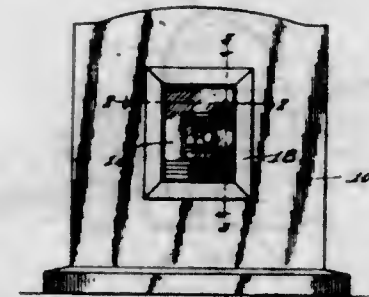
1. A tool for use in combination with a valve having a packing ring and an extending valve stem, said tool comprising an elongated member adapted to slidably receive the packing ring to be aligned with the extending valve stem for facilitating the return of the packing ring to the valve stem.

1,737,473. WINDSHIELD WIPER. ARVI MESI, Chicago, Ill. Filed Aug. 9, 1926. Serial No. 128,224. 1 Claim. (Cl. 121-164.)



In combination with a cylinder, a piston operable in the cylinder, a carriage slidably associated with the cylinder, conduits in communication with the cylinder on opposite sides of the piston, a conduit in communication with the intake manifold of an internal combustion engine, a valve structure in communication with a conduit and the conduits for alternately placing the cylinder in communication with the conduits, means for operating said valve member by the operation of said carriage, said last mentioned means including a slide plate operatively connected to opposite end portions of the valve member and having opposite fingers defining end portions disposed in spaced relation with respect to each other and bevelled outwardly and upwardly from their lower edge portions, a pivotally mounted operating member carried by the body adapted for alternate engagement with the bevelled end portions, a spring member acting upon said operating member for completing final pivotal movement of the operating member, and means having operative connection with the operating member and slidably associated with the cylinder and adapted for operation by the carriage.

1,737,474. CHAMBERED PHOTO GRAVESTONE. JACK NEWHOUSE, Buffalo, N. Y. Filed Sept. 4, 1928. Serial No. 303,903. 1 Claim. (Cl. 40-124.5.)



In combination, a tomb stone recessed to provide a chamber opening at the front wall thereof, a receptacle of a size to be snugly fitted within the recess, and including spaced inner and outer walls, a packing material arranged between the walls, a moisture proof lining for the interior of the receptacle, spaced inner and outer transparent panels, said inner panel constituting the front of the receptacle, said outer panel constituting a closure for the chamber of the tomb stone and lying flush with the front wall thereof, a spacing frame arranged between said panels and contacting the marginal edges thereof, a rectangular frame secured to the front wall of the stone and utilized to hold said outer panel in position, and a bottom for the receptacle including a plurality of superposed members arranged in stepped formation as and for the purpose specified.

1,737,475. DERIVATIVE OF THIAZINES. ERNST ROTHLIN and FRITZ MÜLLER, Basel, Switzerland, assignors to the Firm of Chemical Works formerly Sandoz, Basel, Switzerland. Filed Dec. 16, 1927. Serial No. 240,619, and in Switzerland Dec. 29, 1926. 4 Claims. (Cl. 260-27.)

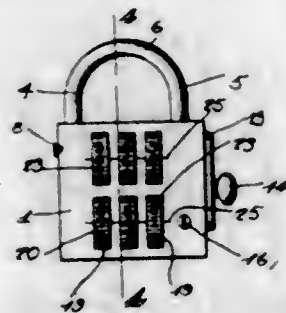
1. As new articles of manufacture the herein described thiazine salts of bile acids constituting deep blue to violet bronzy powders, crystallized or amorphous, easily soluble in alcohol and methanol, difficultly soluble in hot water and ether.

1,737,476. UPHOLSTERY COVER. JOSEPH PERKINS SADLER, Jr., Richmond, Va. Filed Mar. 26, 1928. Serial No. 264,607. 3 Claims. (Cl. 45-138.)



2. In combination with an upholstery cover having means at one end thereof to fasten the same to the upholstery, supporting means, members slidably and detachably engageable with each other received in a portion of the upholstery cover at the other end thereof, portions of said members having outwardly tapered openings therein adapted to receive the supporting means there-through, and means on said members urging them into slidable bearing contact with said supporting means only upon the outer sides of said tapered openings to cause said members to move in a direction at substantially right angles to their longitudinal axis.

1,737,477. COMBINATION LOCK MECHANISM. OSCAR J. SCHMIDT, Elmhurst, N. Y. Filed July 20, 1927. Serial No. 207,271. 1 Claim. (Cl. 70-113.)



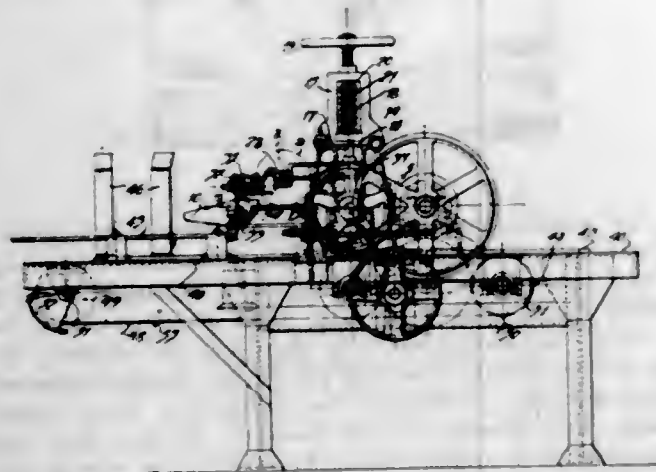
In lock mechanism of the character described, a lock body, rigidly connected lock bolts slidable therein, permutation tumblers controlling movement of the sliding bolts, a sliding shackle having the legs thereof received in the lock body, and engaging means between the lock bolts and shackle legs for retaining the shackle legs in the lock body.

1,737,478. PLAYING CARDS. JESSE E. SIMMONS, Kerens, Tex. Filed Sept. 22, 1927. Serial No. 221,361. 1 Claim. (Cl. 273-152.)



A deck of playing cards composed of the usual two suits of one color and two suits of a contrasting color, each card having a suit indicating pip and a value indication at one corner thereof, the pips and value indications of one of the two suits of the same color being much larger than those of the other suit of that color.

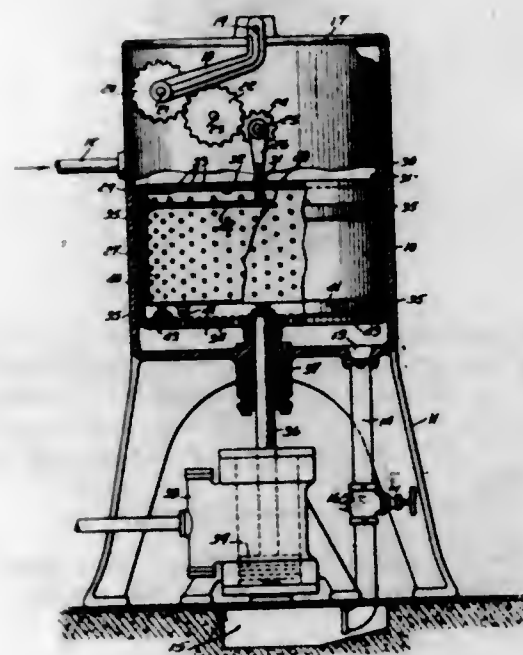
1,737,479. APPARATUS FOR BRANDING OR OTHERWISE MARKING CASE ENDS AND THE LIKE. ARTHUR AMOS SIMPSON, Armadale, near Melbourne, New South Wales, Australia, assignor to Universal Labels Limited, Adelaide, S. A., Australia. Filed Jan. 3, 1929, Serial No. 339,038, and in Australia Oct. 28, 1927. 2 Claims. (Cl. 101-183.)



1. In a printing press, a frame; a printing drum in said frame, said drum having circumferentially-arranged,

laterally-aligned, raised printing characters thereon; a revolvable shaft extending substantially parallel with said drum; a plurality of inking rollers mounted on said shaft and juxtaposed to said drum and in frictional contact therewith; each roll having a width not greater than that of the raised character with which it contacts; means on said shaft spacing said rollers to properly align them with their respective characters; a plurality of ink or color baths arranged in said frame; and rolls revolvable in said baths and frictionally engaging said rolls and supplying ink or color thereto; and a revolvable shaft for said rolls, whereby the rotation of said drum rotates the rollers, which in turn rotate the rolls; the shaft, the rollers, the rolls, and the baths each being mounted in the frame.

1,737,480. WASHING MACHINE. MAX TROY, Brooklyn, N. Y., assignor to General Linen Supply & Laundry Co. Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 30, 1928. Serial No. 274,124. 3 Claims. (Cl. 68-37.)



1. In a washing machine, the combination of an outer casing provided with a cleaning solution inlet, and a waste solution outlet; an inner casing arranged for reciprocating movement within the outer casing having contact therewith to prevent the solution from flowing around the inner casing, a separate clothes receptacle adapted to be removably arranged in said inner casing and movable therewith, each of said casings having a closure adapted to be opened for the purpose of placing said receptacle in the inner casing, said inner casing and receptacle both being pervious to the solution, and means to cause the movement of the inner casing for the purpose of forcing the solution through the clothes.

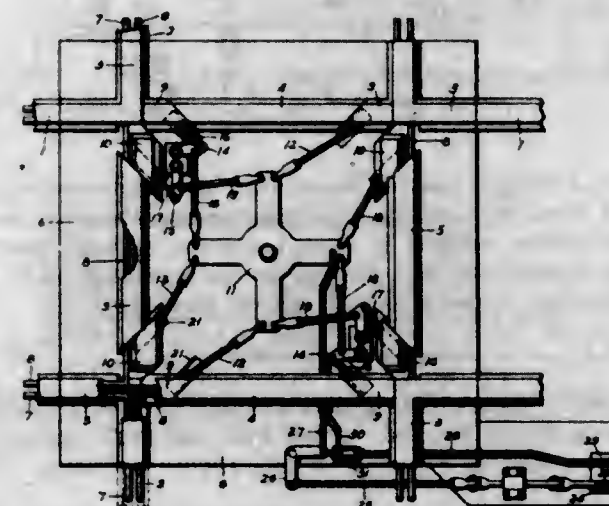
1,737,481. COUPLING DEVICE. MICHAEL RARR, Newark, N. J. Filed June 3, 1929. Serial No. 308,076. 3 Claims. (Cl. 24-232.)



1. In a coupling device, a pair of discs connected together for concentric relative rotation, one of the discs

having an arcuate concentric slot open at one end and the other having a peripheral notch adapted to register with the open end of the slot when one disc is rotated relative to the other in one direction, and a radially extending finger piece carried by the last mentioned disc for rotating the latter, the radially projecting finger piece being bent at an angle to overlap the first mentioned disc and adapted to frictionally engage the same and thereby hold both discs against relative rotation when the last mentioned disc is rotated to dispose the notch and slot out of registration.

1,737,482. RAILROAD CROSSING. EDWARD J. SEXTON, Indianapolis, Ind. Filed July 17, 1929. Serial No. 378,972. 2 Claims. (Cl. 246-380.)



1. In a crossing structure, a base member, track forming rails on said base member and in crossing relation, connecting rails for said track forming rails, sub-rails between said connecting rails and spaced therefrom, the ends of said sub-rails and said connecting rails having undercut grooves therein, movable members adapted to be moved into or out of position between the ends of the sub-rails and said connecting rails, ledges formed on said movable members adapted to enter said grooves when the movable members are positioned between the ends of said sub-rails and said connecting members for holding said movable members rigid while a train is passing thereover, blocks depending from said movable members forming guides therefor, said base member having slots therein for the reception of said blocks, and means for disposing said movable members into or out of position between said sub-rails and connecting rails.

1,737,483. TAKE-OFF AND LANDING APPARATUS FOR AEROPLANES. NICHOLAS J. VERRET, Memphis, Tenn. Filed Sept. 18, 1928. Serial No. 306,635. 5 Claims. (Cl. 244-2.)



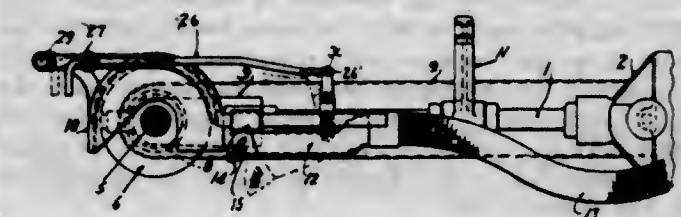
1. In combination with a cross arm revolving in a horizontal plane and having a catcher-loop at the outer end thereof, of a hook mounted on the outer end of the propeller shaft of an aeroplane, said hook being bent over the upper end of the propeller of the aeroplane and extended rearwardly therefrom and terminating in a hook with the bill projecting forwardly.

1,737,484. MACHINE FOR MANUFACTURING BOOTS AND SHOES. HEINRICH WALTHER, Oberrad, near Frankfurt-on-the-Main, Germany. Filed Mar. 30, 1927, Serial No. 179,680, and in Germany July 2, 1926. 1 Claim. (Cl. 12-67.)



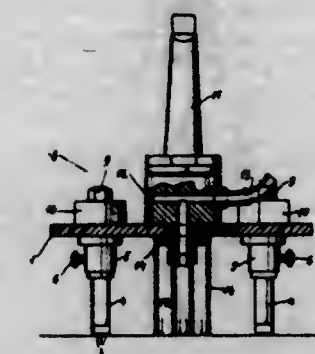
In a machine for attaching welts to lasted shoes by staples, the combination with a nozzle for guiding the staples to be driven, of means for positioning a continuous thread between the prongs of the staples, guiding a welt across the path of the staples, and transporting the shoe.

1,737,485. GRINDING MACHINE. HERMON G. WEINLAND, Springfield, Ohio, assignor to The Safety Grinding Wheel and Machine Company, Springfield, Ohio, a Corporation of Ohio. Filed Dec. 10, 1927. Serial No. 239,170. 10 Claims. (Cl. 51-99.)



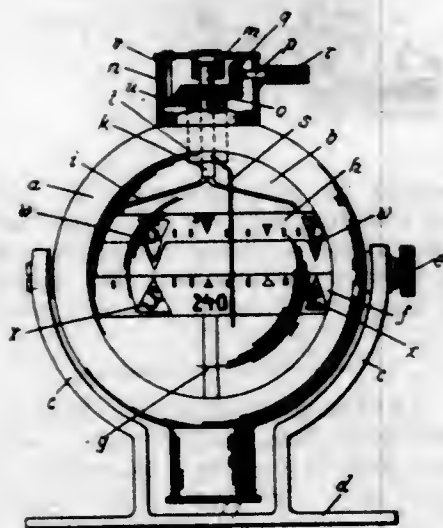
1. In a grinding machine, a support, a grinding wheel and operating mechanism for the same mounted on said support, a hollow body forming a dust collector movably mounted upon said support with its receiving end adjacent said wheel, and manually operated means for adjusting said hollow body to alter the position of the receiving end thereof with relation to said wheel.

1,737,486. APPARATUS FOR MANUFACTURING RIGID GRINDING BODIES OF EMERY, CARBORUNDUM, OR THE LIKE. HEINRICH EDUARD ERNST WINTER, Hamburg, Germany, assignor to the Firm of Ernst Winter & Sohn, Hamburg, Germany. Filed Dec. 22, 1927, Serial No. 241,944, and in Germany Nov. 9, 1927. 3 Claims. (Cl. 125-20.)



1. Apparatus for grinding out circular or annular disks from rigid bodies, comprising a plate, a cutter extending from said plate, means for adjusting said cutter radially of said plate, a carrier for said plate having a part constructed to be received by a chuck, a reduced part projecting through an aperture in said plate forming a shoulder, and a tool constructed as a nut, cooperating with said reduced part below said plate for securing said plate to said carrier.

1,737,487. LATERAL-READING COMPASS. ERICH PAUL GUIDO WÜNSCH, Steglitz, near Berlin, Germany, assignor to Askania-Werke A.-G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany, a Corporation of Germany. Filed Dec. 8, 1927, Serial No. 238,569, and in Germany Dec. 10, 1926. 4 Claims. (Cl. 33—222.)



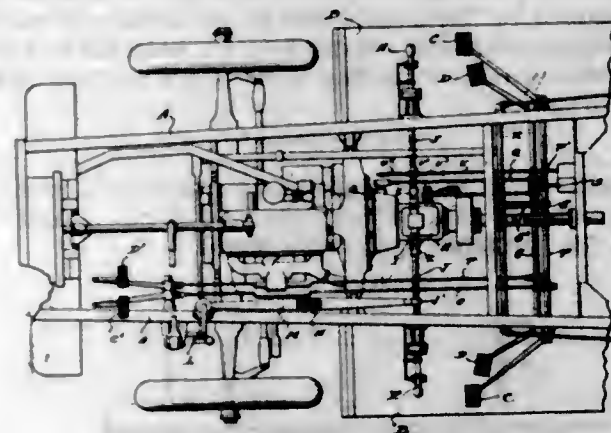
1. In a lateral-reading compass, a substantially cylindrical compass card having direction-indicia on its periphery, a similar substantially cylindrical indicator similarly marked and rotatably mounted concentric with the axis of said card adjacent thereto, a lubber's line for reading both the card and indicator, and means for rotating the indicator to set a desired course in cooperation with the lubber's line.

1,737,488. DILATOR. JOHN P. ZOHLER, Sheboygan, Wis. Filed Dec. 6, 1928. Serial No. 324,235. 12 Claims. (Cl. 128—341.)



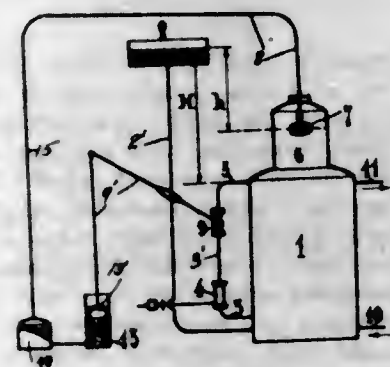
1. A dilator comprising an expandable and contractible body, a resilient tube having one of its ends connected with one end of said body, means within said body for expanding it, a resilient wire extending longitudinally through said tube and connected with said expanding means for operating the latter upon longitudinal movement of said wire, and manually actuated means connected with the outer end of said wire and reacting against the outer end of said tube for moving said wire longitudinally to vary the diameter of said expandable body.

1,737,489. CONTROL MECHANISM FOR MOTOR VEHICLES. GEORGE M. BACON, Detroit, Mich., assignor to Divco-Detroit Corporation, Detroit, Mich., a Corporation of Michigan. Filed Nov. 21, 1927, Serial No. 234,766. Renewed Apr. 13, 1929. 16 Claims. (Cl. 192—4.)



2. In a vehicle control mechanism the combination of a control element, automatic locking means therefor incapable of direct release, a second control element and releasing means for said locking means operable upon the manipulation of said second control element.

1,737,490. HEAT ACCUMULATOR. AUGUSTE BEAURIENNE, Paris, France. Filed Feb. 24, 1927, Serial No. 170,726, and in France Feb. 27, 1926. 3 Claims. (Cl. 122—4.)



1. A liquid heating system, comprising a tank; a circulation pipe having an inlet branch connected to the lower part of the tank and an outlet branch connected to the upper part thereof; a source of heat and a regulating valve connected one below the other to the circulation pipe; a steam chamber atop the tank above said outlet branch; and means controlled by the production of steam in said chamber for automatically governing the valve.

1,737,491. STABLE AQUEOUS EMULSION AND PROCESS FOR MAKING THE SAME. CARL ALFRED BRAUN, Munich, Germany, assignor, by mesne assignments, to American Bitumuls Company, San Francisco, Calif., a Corporation of Delaware. Filed Dec. 5, 1925, Serial No. 73,480, and in Germany Mar. 21, 1925. 7 Claims. (Cl. 134—1.)

1. A process of making aqueous emulsions of high molecular hydrocarbons which consists in mixing together a quantity of a previously made emulsion containing no component in quantity capable of acting as the emulsifying agent in said process, alkaline water, and a quantity of said hydrocarbon, the total amount of emulsifying agent, other than said previously made emulsion, present in the mixture being inoperative to make a normal emulsion of the materials constituting said mixture, said previously made emulsion being of such character as to have the property of coating with such alkaline water to effect such emulsification.

1,737,492. BUCKLE. WILLIAM H. CARROLL, Bogota, N. J. Filed May 15, 1928. Serial No. 277,995. 4 Claims. (Cl. 24—163.)



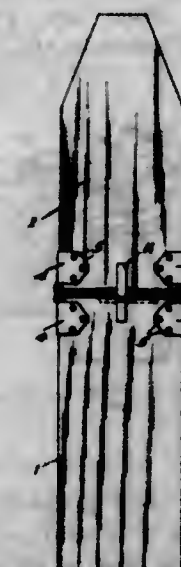
1. In a buckle, a tubular body open at its opposite ends and adapted to telescopically receive the ends of a member having a longitudinal series of openings therein and means carried by and protruding beyond one end of the body for selective engagement in one of a series of openings to establish an adjustable connection between the buckle body and said member.

1,737,493. VEHICLE. GILBERT O. CRANK, Lawton, W. Va. Filed June 23, 1928. Serial No. 287,773. 1 Claim. (Cl. 105—314.)



In a mine car ambulance the combination with a mine car, pairs of vertical standards arising from the floor thereof, a horizontal bar supported from each pair of standards, and resiliently mounted hook elements depending from the bars and engageable with a hitter to resiliently support the same.

1,737,494. IRONING-BOARD HINGE. LUCY DRECKMANN, Swanville, Minn. Filed Mar. 27, 1928. Serial No. 265,052. 2 Claims. (Cl. 16—163.)



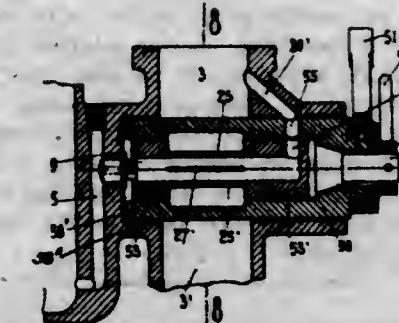
1. A hinge construction comprising companion sections having engagement with the adjacent sides and edges of a body, extensions projecting in staggered relation from the adjacent ends of the sections at the edge engaging portions thereof, hinges of channel formation establishing pivotal connection between the adjacent extensions, tongues for each of the extensions, and stops carried by the hinges engageable with the tongues to limit movement of the hinge in one direction.

1,737,495. STONE DRILL. ADALBERT BELA FELDMAN, Berlin-Schöneberg, Germany. Filed Jan. 23, 1925. Serial No. 4,337. 3 Claims. (Cl. 255—63.)



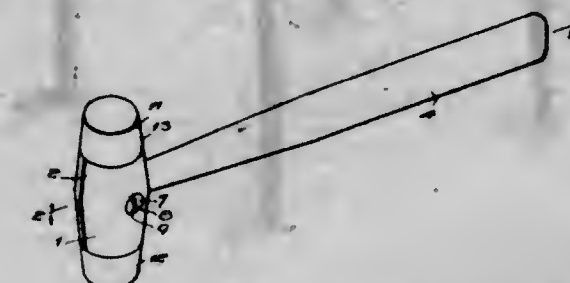
1. A stone drill, comprising a cylindrical body portion, a curved chisel-like cutting edge at one end of the body portion with leading and trailing sides, oppositely disposed grooves in the body portion, the leading sides to the cutting edge being bordered adjacent the grooves with a convex portion, making a slightly greater angle with respect to the axis of said body portion, than the respective sides of said cutting edge, there being no plane with respect to which the leading and trailing sides are symmetrical.

1,737,496. CARBURETOR. ENRICO FEROLDI, Turin, Italy. Filed Feb. 13, 1924, Serial No. 692,590, and in Italy Feb. 15, 1923. 2 Claims. (Cl. 261—44.)



1. A carburetor comprising a mixing chamber, a hollow plug mounted to rotate across said mixing chamber and having flattened sides, a fuel nozzle discharging into said hollow plug, said hollow plug having two opposite longitudinal slots opening between said flattened sides one of said slots being for admission of air into said hollow plug and the other one for issue of mixture of air and fuel produced in said hollow plug, a barrel throttle extending across said mixing chamber and having ports on its sides, means for rotating said hollow plug to adjust the air admission through the same and means for controlling said barrel throttle.

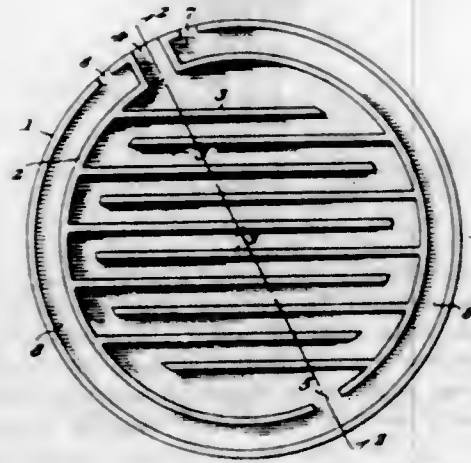
1,737,497. HAMMER. WILLIAM H. GIBBS, Milwaukee, Wis. Filed Dec. 6, 1926. Serial No. 152,819. 3 Claims. (Cl. 143—36.)



1. In a hammer of the character described, a body formed of two complementary sections having recesses extending into each other.

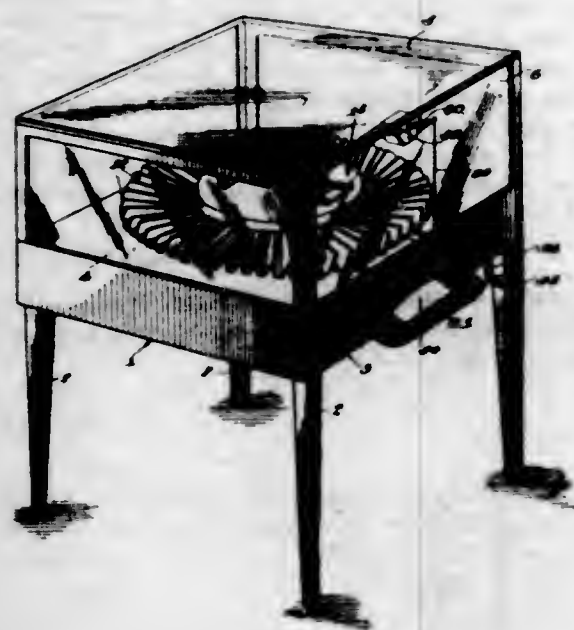
from their ends forming terminal sockets, tip members having elements extending into the sockets to be clamped between said sections, a handle, and a securing member extending through the sections and the handle and securing the same together, said member acting to force the sections of the body toward each other.

1,737,498. HEAT DISTRIBUTOR FOR COOKING VESSELS. LEWIS FRANCIS HANES, Greensboro, N. C. Filed Apr. 21, 1928. Serial No. 271,901. 1 Claim. (Cl. 120—215.)



A stove attachment for cooking vessels comprising a plate, a pair of ribs rising from the plate in spaced relation to each other with one rib at the outer edge of the plate and the other rib inwardly of the edge to provide with each other an air passageway about the edge, baffles rising from the plate in spaced relation with respect to each other and extending inwardly from opposite walls of the inner rib, said baffles being formed with the wall they extend from but disposed in spaced relation to the opposite wall to provide a zigzag air passage, the inward rib being formed with an air inlet port extending to the edge of the plate and an air outlet port diametrically opposite the inlet port, said outlet port connecting with the first mentioned air passage, and the other rib being formed with air outlet ports upon opposite sides of the inlet port of the inner rib.

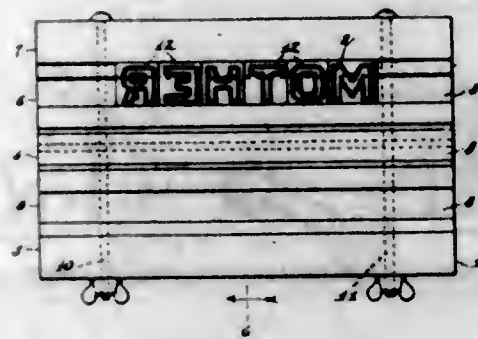
1,737,499. COMBINED DISPLAY AND VENDING MACHINE. ROBERT CLAY HARDMAN, Portland, Ore. Filed June 10, 1925. Serial No. 36,199. 14 Claims. (Cl. 194—48.)



4. In a machine of the character described, a casing, delivery means associated with the casing, a stationary frame

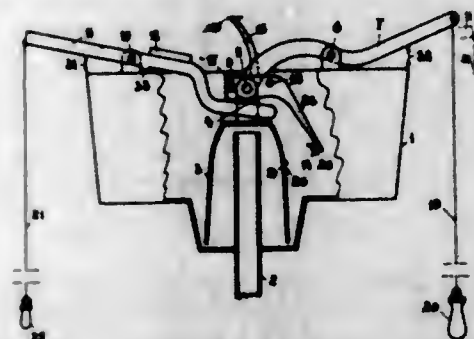
in the casing, a rotatable table mounted on the frame, a plurality of individual article supporting trays pivotally mounted on the table, a lock lever for each tray, a single release lever mounted on the stationary frame, a coin-way leading to the release lever, a manually operable shaft, motion transmission means between the shaft and table whereby the shaft may be turned to selectively align the trays with the delivery means, and means for preventing deposit of a coin until an individual article supporting tray is properly aligned with the delivery means and comprising a weighted locking lever shiftable to a position to block the coin-way or to a position away from such coin-way, a controlling lever connected to the blocking lever and having a roller thereon, and a notched collar fixed on said manually operable shaft and cooperable with the roller of the controlling lever.

1,737,500. INSCRIPTION DEVICE. GEORGE BIRMINGHAM JOHNSON, Parker, S. Dak. Filed Jan. 31, 1927. Serial No. 164,927. 3 Claims. (Cl. 41—39.)



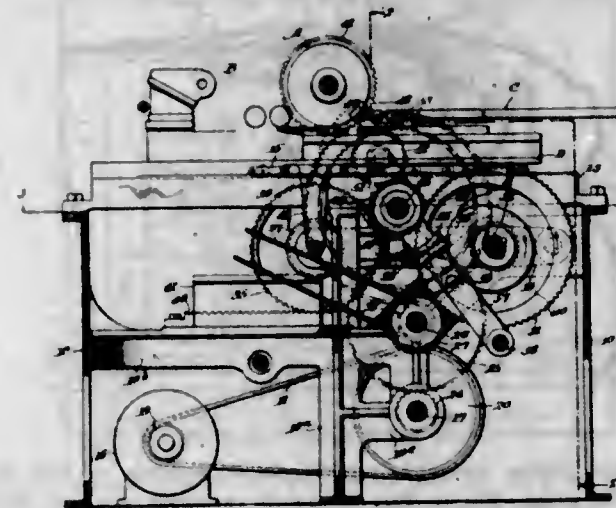
1. In an inscription device, the combination with a stone provided with a yielding coating capable of resisting a sand blast, of a holder and a series of reversed letters carried by the holder, each letter having a parallel cutting edge whereby when the holder and letters are pressed against said coating, corresponding letters will be cut into said coating for defining the letter to be sand blasted.

1,737,501. APPARATUS WITH SIPHON MECHANISM FOR DELIVERING DIFFERENT PREDETERMINED QUANTITIES OF LIQUID. PHILIPPE KAJANOFF, The Hague, Netherlands. Filed Apr. 18, 1928. Serial No. 270,978, and in the Netherlands Aug. 27, 1927. 3 Claims. (Cl. 4—47.)



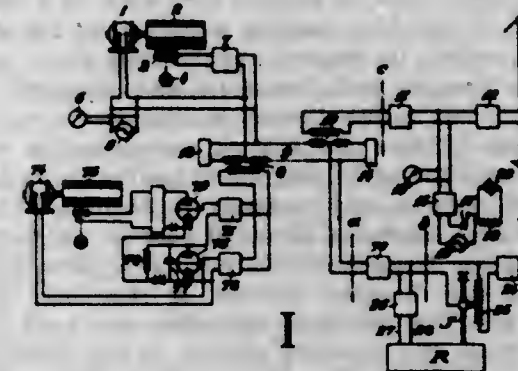
1. A tank, an outlet pipe projecting into said tank, and a movable bell fitting over said projecting end of said pipe and movable to cause flow of water by siphon action from said tank out through said pipe, in combination with means for causing movement of said bell to start such siphon action, a valve operable at will to allow or to prevent the entry of air from said tank into the interior of said bell, whereby the full contents of said tank may be discharged or only a portion thereof down to a predetermined level if the air control valve is in its position for allowing the entry of air into said bell from said tank, and means pivotally mounted on said bell and having a free end portion movable in an arcuate path, said valve being mounted on said free end portion.

1,737,502. PRINTING PRESS. WILLIAM M. KELLY, Westfield, N. J., assignor to American Type Founders Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 10, 1926. Serial No. 153,991. 15 Claims. (Cl. 101—283.)



1. In a bed and cylinder press, means for reciprocating the bed in combination with means for rotating the cylinder in one direction, said cylinder rotating means comprising a train of circular gears including a driving gear operating at uniform angular velocity and a driven gear bodily movable and having its pitch circle circular and always in contact with the circular pitch circle of said driving gear, and means for effecting bodily movement of said driven gear to equalize the peripheral velocity of the cylinder with the velocity of the bed while the impression is on.

1,737,503. CONTROL OF THE TRANSMISSION EFFICIENCY. KARL KUPFMUELLER, Berlin-Friedenau, and FRANZ TRCZEK, Berlin, and HANS MAYER, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed May 28, 1928. Serial No. 281,183, and in Germany Apr. 21, 1927. 3 Claims. (Cl. 178—44.)

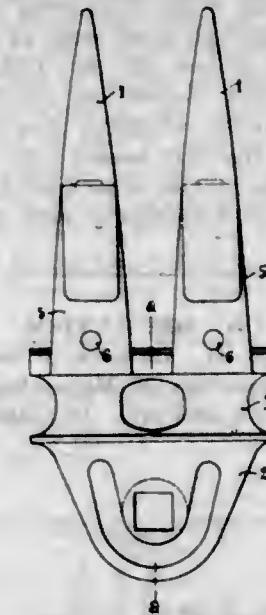


1. In a transmission system, wherein a signaling frequency and a control frequency are simultaneously transmitted to a receiver, the method of automatically regulating the transmission efficiency of the receiver which consists in periodically varying the control frequency between predetermined limits and applying said control frequency to said receiver.

1,737,504. DOUBLE FINGERS FOR MOWING MACHINES. JEAN PAUL LAVAUD, Civray, France. Filed July 28, 1925. Serial No. 45,678, and in France Nov. 26, 1924. 2 Claims. (Cl. 56—309.)

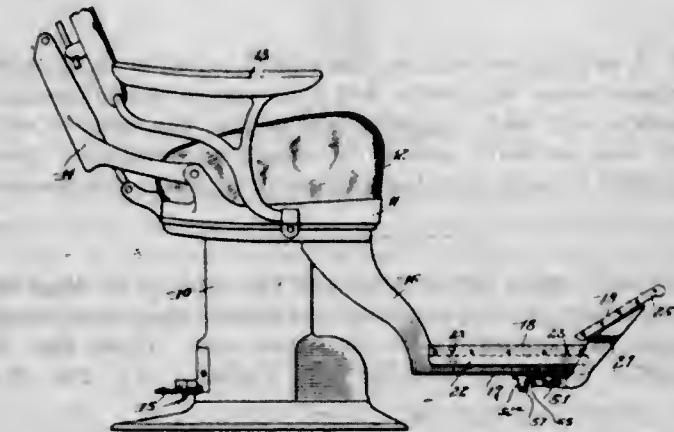
1. In cutting apparatus for mowing machines, a base corresponding in width with a standard single finger base,

said first named base being provided with a pair of spaced fingers and said first named base being arranged to be



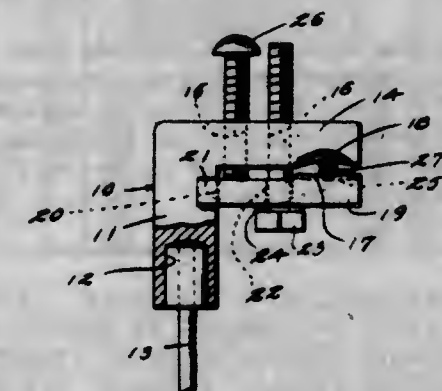
substituted for a standard finger base for use on a finger bar, said first named base presenting a rearwardly and downwardly inclined face in the rear of the fingers.

1,737,505. DENTAL CHAIR. ADAM JOSEPH MAY, Rochester, N. Y., assignor to Ritter Dental Mfg. Co. Inc., Rochester, N. Y., a Corporation of Delaware. Filed Apr. 16, 1927. Serial No. 184,239. 37 Claims. (Cl. 155—171.)



19. The combination with a chair, a frame connected therewith, a slide movable on the frame toward and from the chair, a foot-rest movable bodily with the slide and mounted to swing to different positions thereon, and operating means comprising relatively movable parts one of which is arranged to be actuated by the occupant of the chair to control the remaining parts whereby to both effect movement of the slide and a swinging movement of the foot-rest thereon.

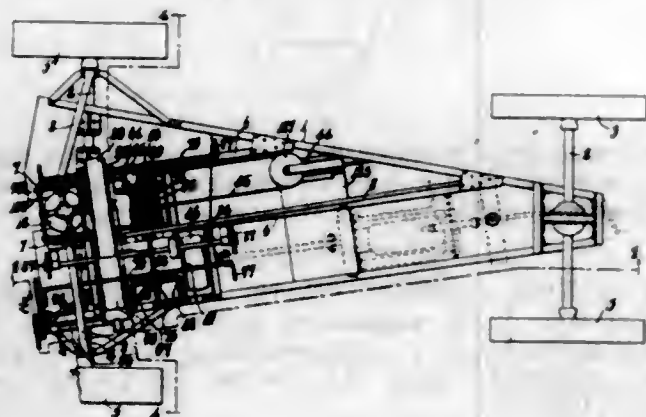
1,737,506. CONNECTER. LOUIE MCCrackEN, Santa Ana, Calif. Filed Jan. 5, 1928. Serial No. 244,743. 3 Claims. (Cl. 173—273.)



1. A clamp for lead wires comprising an L-shaped metallic body one arm of which has a threaded opening, a

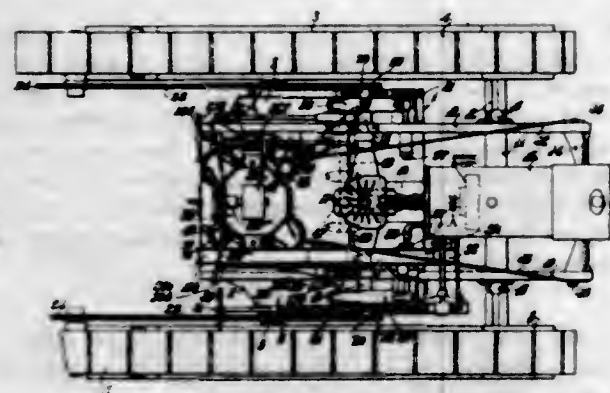
screw directed through said opening, a clamping arm mounted upon the screw and having engagement with the other arm of the body preventing its rotation about the screw as an axis, the outer ends of the clamping arm and the confronting arm of the L-shaped body being oppositely transversely curved, the other arm of the body having a socket for the reception of a wire, and a screw extending through the first named arm of the body adjacent the connection of the arms and adapted to engage the inner end of said clamping arm at the inner face thereof.

1,737,507. DRILLING MECHANISM. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 22, 1923. Serial No. 669,978. 16 Claims. (Cl. 255-1.)



1. A drilling mechanism comprising a hollow drill steel, common means to actuate said steel and to simultaneously generate fluid under pressure and deliver the same to said drill, and auxiliary means for supplying additional pressure fluid to said steel independently of said other means.

1,737,508. DRILLING APPARATUS. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 6, 1927. Serial No. 181,585. 31 Claims. (Cl. 255-3.)

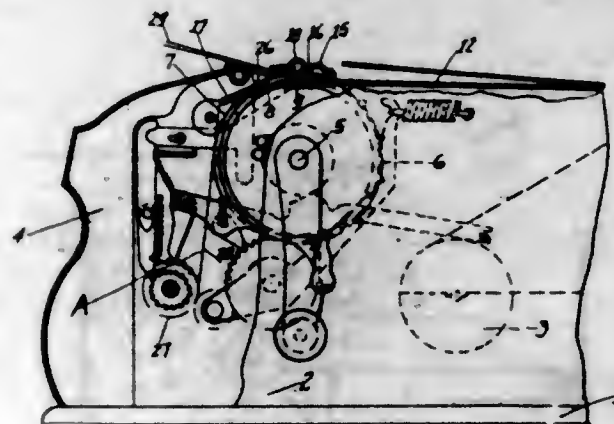


1. In a drilling apparatus, a portable base having a power driving element thereon, a guiding standard slidably mounted thereon, a tool actuating mechanism slidably mounted on said standard operatively connected to said power driving element, and means for sliding said standard relative to said base.

1,737,509. MANIFOLDING MACHINE. ALBERT W. METZNER, Dayton, Ohio, assignor, by mesne assignments, to The Standard Register Company. Filed Oct. 31, 1924. Serial No. 747,101. 8 Claims. (Cl. 282-16.)

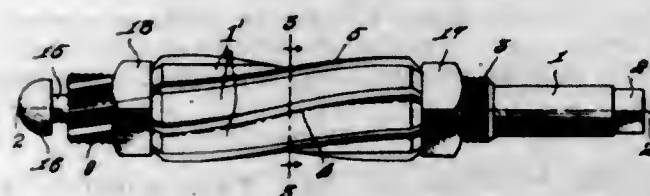
1. In combination in a manifolding machine, a frame, a pin wheel for feeding paper strips from said frame, a

plate for holding said paper strips and having clearance for the pins on said wheels, and a plate for holding the paper down onto the pins, both of said plates having a



bead lengthwise thereof, and hence crosswise of the machine between which the paper is passed, for an anti-friction engagement with the paper.

1,737,510. REAMER. LAWRENCE E. MILLER, Cowe, W. Va. Filed Apr. 10, 1925. Serial No. 22,167. 1 Claim. (Cl. 77-76.)

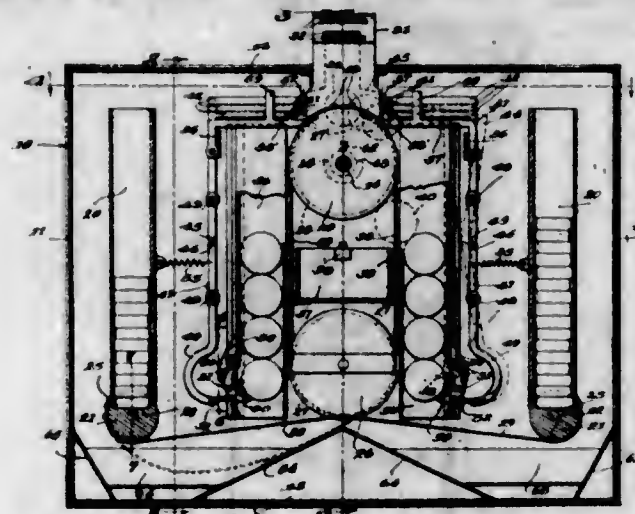


An expandible reamer, comprising a body having an enlarged threaded portion and being formed with a longitudinal bore entering from one of its ends and terminating at the said threaded portion, said body from the threaded portion being provided with spaced longitudinally curved openings that communicate with its bore and provide the body with spaced curved fingers, said body, in a line with the center of the bore, having a pocket in its enlarged threaded portion, the fingers having their outer ends reduced and threaded both interiorly and exteriorly, longitudinally curved blades having beveled ends received in the openings between the fingers, an expansion cone tapered for a portion of its length and having an unthreaded nontapered reduced end received in the pocket of the body, said cone having a threaded portion which engages with the inner threads of the fingers, a neck extension formed on the threaded portion of the cone, a semi-spherical head for the neck extension and nuts screwed respectively on the threaded portion of the body and on the exterior threads of the fingers and contacting the opposite beveled ends of the blades, as and for the purpose set forth.

1,737,511. COIN-CONTROL AND CHANGE-MAKING DEVICE. WALTER T. MITCHELL, Detroit, Mich., assignor of one-third to Walter S. Fornay, Detroit, Mich. Filed June 30, 1926. Serial No. 119,667. 9 Claims. (Cl. 194-63.)

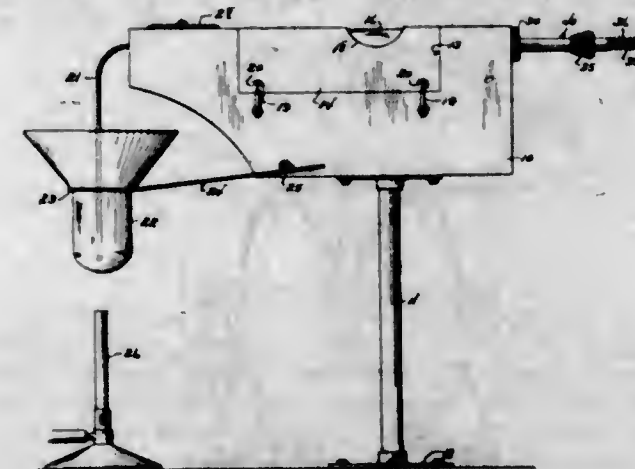
1. A machine of the character described comprising a casing, a member mounted in said casing for rocking movement and having a plurality of coin receiving recesses therein, a shaft carrying said rocking member and having a pin projecting therefrom, a bearing for said shaft having stops engaged by the pin for limiting the movement of the shaft in both directions, a body or block arranged above said turnable member and having coin slots corre-

sponding with the coin receiving recesses in said member, levers pivoted at opposite sides of the rocking member on a line with the coin receiving recesses therein, locking



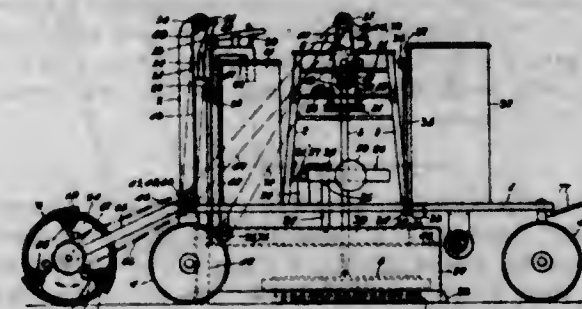
means on one of said levers to engage the rocking member and prevent movement thereof, and means carried by said lever adapted to be operated by the other levers to release the locking means.

1,737,512. CARPULE REFILLER. ELMER J. MOHN and CLARENCE M. MALAND, Elmore, Minn. Filed Sept. 7, 1928. Serial No. 304,558. 7 Claims. (Cl. 226-19.)



1. Means for refilling carpules comprising a support adapted to receive the carpule body, a medicine containing cup supporting means mounted on one end of the support, a curved filling tube arranged on the support and adapted to penetrate the adjacent end of the carpule body to establish communication therebetween and said cup, said carpule body having its other end slidably arranged within its body, and means for moving said end through the body to draw the medicine into the latter from said cup.

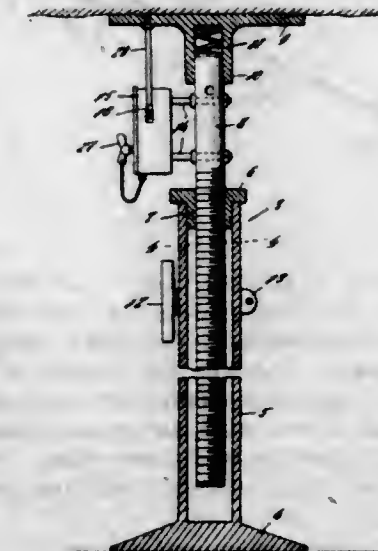
1,737,513. MACHINE FOR SCRUBBING FLOORS. KNUT LEOPOLD MORITZ, Umea, Sweden. Filed July 8, 1927. Serial No. 204,162, and in Sweden July 13, 1926. 5 Claims. (Cl. 15-52.)



1. In a machine of the character described the combination of a frame structure, a vertical shaft journaled

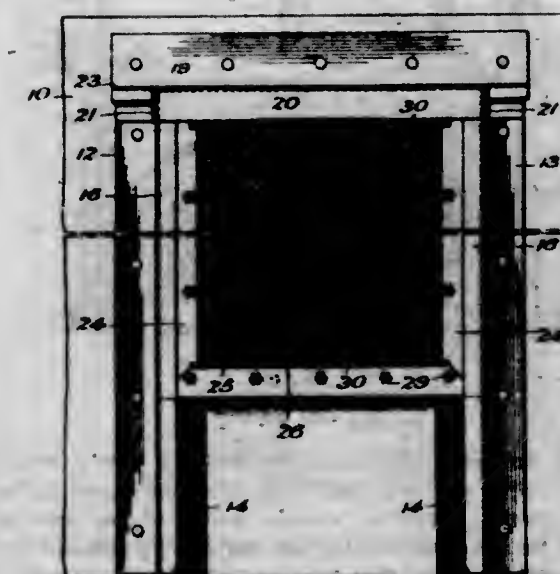
in said structure and adapted to support brushes, a hood surrounding such brushes and open towards the floor, said hood being movably and adjustably mounted in said frame structure in such manner that it may be lowered to bear against the floor, and be raised up from the floor and secured in such raised position, said hood being formed with an apex at one end, a duct in said hood extending from said end to the opposite end of the hood and provided with openings at the last mentioned end, a pump mounted in said frame structure and having its suction pipe located in said apex of the hood, and a connection from the pressure opening of said pump to said duct.

1,737,514. SIGNAL FOR MINES. MIKE NIKOLISH, Williamson, Iowa. Filed Apr. 1, 1929. Serial No. 351,664. 2 Claims. (Cl. 116-67.)



1. An alarm for mines comprising a pair of telescopic sections for interposition between the floor and ceiling of a mine, a platform supported by the upper section, a signal supported by one of the sections, said platform being movable by a superimposed load to operate said signal.

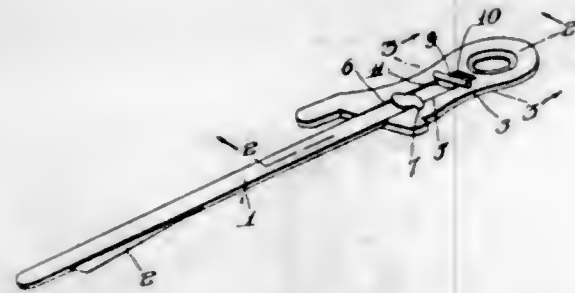
1,737,515. CHICKEN-HOUSE WINDOW. LESLIE T. PETERSEN, Denison, Iowa. Filed Feb. 10, 1928. Serial No. 253,398. 2 Claims. (Cl. 189-75.)



1. A knockdown window frame, comprising three flat strips of metal adapted to be secured on the outside of a building respectively along the opposite sides and across the top of an opening in the building, each side strip being returned and overturned upon itself at its inner edge portion to provide a pair of opposed guide channels to

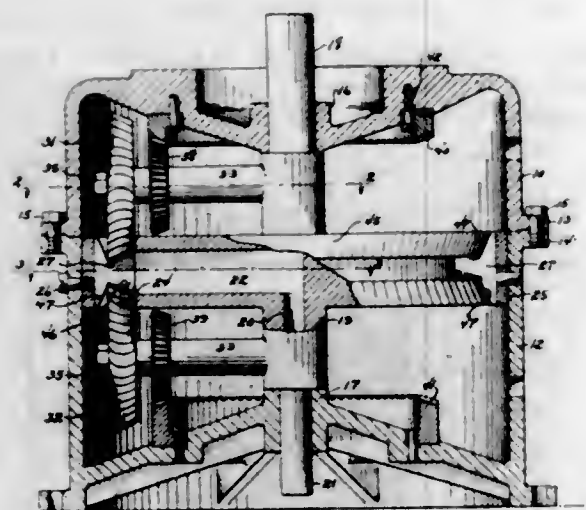
slidably receive a window sash, the top strip adapted to overlap the upper ends of the side strips and having the intermediate portion of its lower edge offset outwardly to embrace the upper ends of said channels to hold the same flat against the building and cover the channels and provide shoulders determining the spacing apart of the side strips.

1,737,516. PILE WIRE. WILLIAM PICKARD, Philadelphia, Pa. Filed Sept. 10, 1927. Serial No. 218,666. 9 Claims. (Cl. 139—44.)



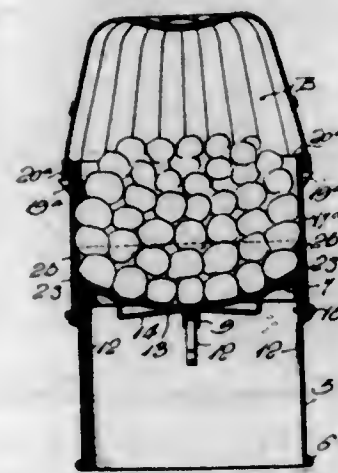
1. As an article of manufacture, a pile wire for looms, consisting of a pile wire end and a pile wire head, the latter having a longitudinally extending elongated groove with its side walls recessed, the bottom of the groove having openings registering with said recesses, the groove to receive the end of the wire, and means swaged into the recesses and the openings and transversely formed across the face of the wire, thereby insuring a permanent fastening.

1,737,517. STEAM TURBINE. JAMES JUDSON PROVOST, York, Pa. Filed Sept. 26, 1928. Serial No. 308,553. 6 Claims. (Cl. 60—102.)



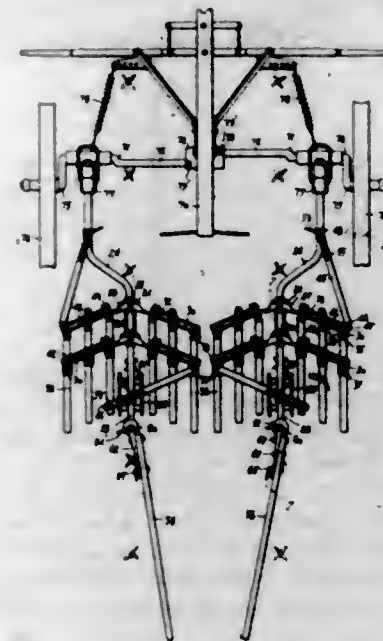
3. In a turbine engine, a housing, a shaft journaled therein, a rotor carried rigidly by the shaft and including radial elements, turbine wheels mounted on the radial elements, an annular series of stationary blades in the housing with which the turbine wheels cooperate, said rotor also including an annular device having a circumferential portion extending along the sides of the stationary blades, this annular device having a bore and discharge port for ejecting steam radially into engagement with the stationary blades, and means imparting rotary movement to the shaft from the turbine wheels and thru the radial elements of the rotor.

1,737,518. FRUIT-BASKET PACKER. GEORGE O. RESHAW, Benton Harbor, Mich., assignor to Perfection Pack Company, Inc., St. Joseph, Mich., a Corporation of Michigan. Filed July 1, 1926. Serial No. 119,908. 6 Claims. (Cl. 226—17.)



4. In a fruit packer, a facing disk having upstanding circumferentially spaced portions adapted for use to hold a paper ring in place for the purpose set forth.

1,737,519. CULTIVATOR. WALTER MONROE REYNOLDS, Hattiesburg, Miss. Filed June 22, 1926. Serial No. 117,781. 4 Claims. (Cl. 97—176.)

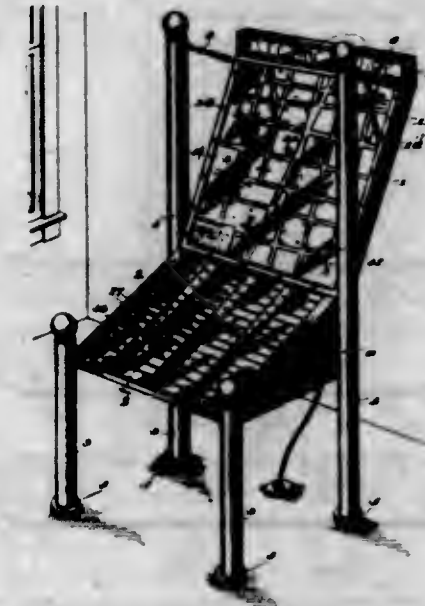


3. A cultivator comprising a wheel-mounted frame, a rearwardly extending beam, means connecting the forward terminal of said beam with the frame for the rotary adjustment of the beam about the axis of said terminal, the rear terminal portion of said beam being offset so as to be adjusted upwardly and downwardly and transversely by said rotary adjustment of the beam, teeth, and means carrying said teeth fitted rotatably on the rear terminal portion of the beam.

1,737,520. DIRECTORY BOARD. THOMAS P. RICHARDSON, Jr., Tryon, N. C., assignor to Electric Directory Corporation, Tryon, N. C., a Corporation of Delaware. Filed Feb. 3, 1928. Serial No. 251,602. 12 Claims. (Cl. 40—52.)

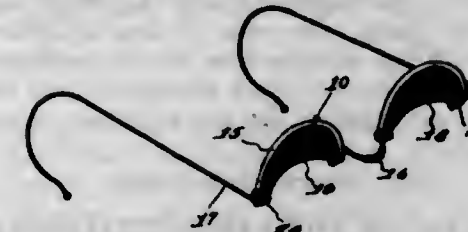
1. A directory comprising a map, audible signal devices distributed among designated places on the map, electrical

circuits embracing said devices, each circuit including a switch for the closure of the circuit and operation of a



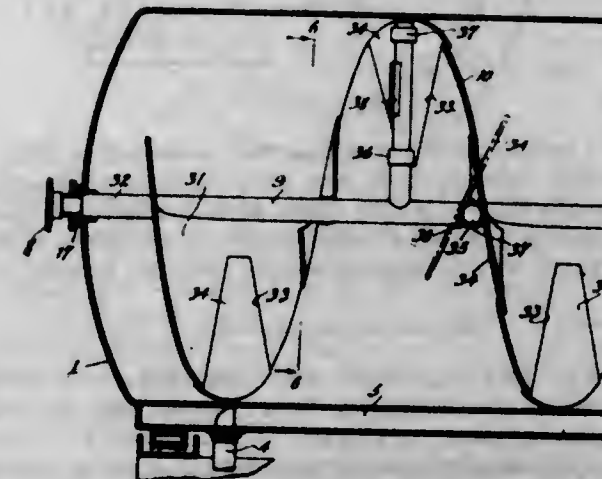
desired signal device, and a marker supplementing the map permitting orientation of the directory in reference to said latter devices.

1,737,521. EYEGLASSES. ALFRED J. SCHWARTZ, Detroit, Mich. Filed Feb. 4, 1927. Serial No. 165,910. 1 Claim. (Cl. 88—41.)



An anti-glare device comprising semi-circular spectacle frames, offset portions inwardly directed from the ends of the frames, said portions having channels within the upper sides thereof, lens members of translucent composition carried by the frames being provided with arcuate-shaped lower portions spaced from the ends thereof, shoulder portions defined upon the lens members between the arcuate shaped portions and the adjacent portions of the frames, and said shoulders being adapted for reception within the channels of the offset portions.

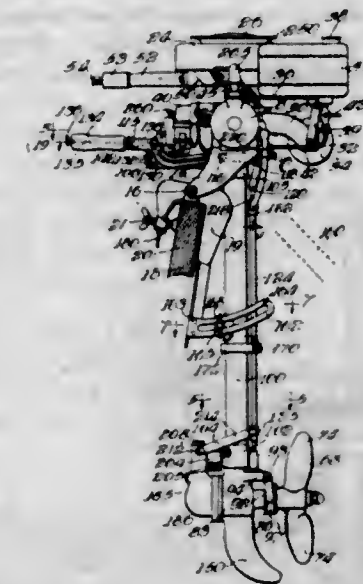
1,737,522. CONCRETE MIXER. CARLYLE H. SCOTT, New York, N. Y. Filed Dec. 3, 1928. Serial No. 323,387. 4 Claims. (Cl. 83—73.)



1. A concrete mixer, comprising a closed tank provided with means acting as an inlet and means acting as an outlet, means for directing water into the tank and a

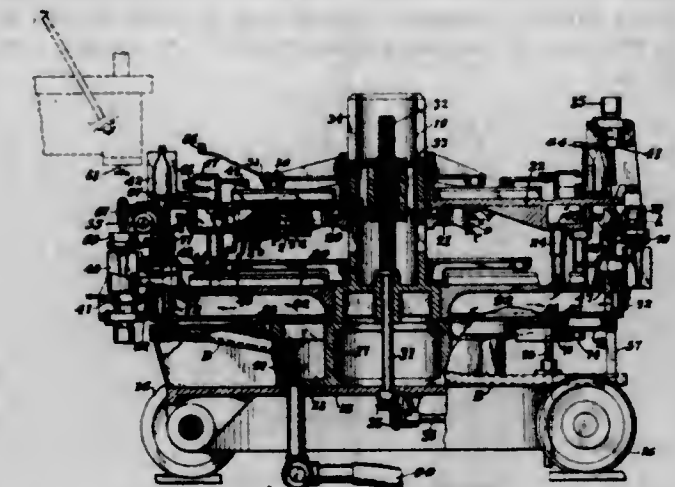
mixing device arranged in the tank, said mixing device comprising a spiral screw and a plurality of gates carried by the screw formed to automatically close when the screw is moved in one direction and to automatically open when the screw is moved in the opposite direction.

1,737,523. MARINE MOTOR. THEODORE L. SMITH, Detroit, Mich., assignor to Calle Brothers Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 1, 1926. Serial No. 132,993. 9 Claims. (Cl. 115—18.)



1. In a device of the class described, the combination of a swingable drive shaft, a driving engine therefor, a propeller shaft geared to the drive shaft, a propeller on said shaft, said propeller comprising blades having different pitch positions, a handle for moving the blades into different pitch positions, and means for rigidly holding the propeller shaft against swinging in one only of the pitch positions of said blades and for freeing said propeller shaft for swinging movement in both directions when in another pitch position of said blades.

1,737,524. GLASS-BLOWING MACHINE. LEONARD D. SOUBIER, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 29, 1922. Serial No. 609,633. 43 Claims. (Cl. 49—9.)

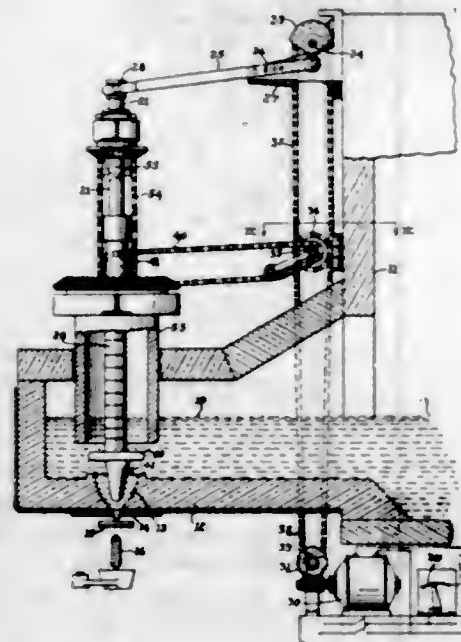


3. In a glass forming machine, a mold carriage comprising upper and lower sections relatively adjustable vertically, each of said sections formed with an air chamber, and a hollow post comprising telescoping sections connected respectively to the said carriage sections and providing an air passage between said chambers.

38. Apparatus for shaping hollow glassware, comprising a blank mold and a blow mold mounted in fixed spaced relation relative to each other, means for opening and

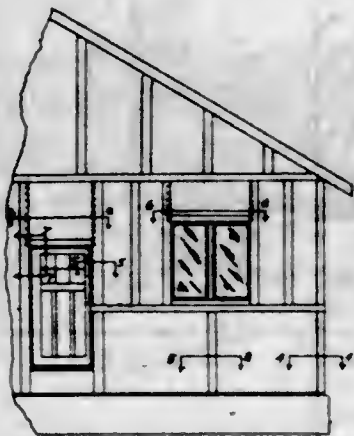
closing said molds independently of each other, means for shaping parisons in said blank mold, means for blowing the parisons for final form in said blow mold, and a neck mold mounted for swinging movement about a horizontal axis located between said blank mold and said blow mold for transferring parisons from a position in the former in which the neck portion of said parison is below the level of said axis to a position in the latter in which said neck portion is above the level of said axis.

1,737,525. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 26, 1927. Serial No. 228,736. 6 Claims. (Cl. 49—55.)



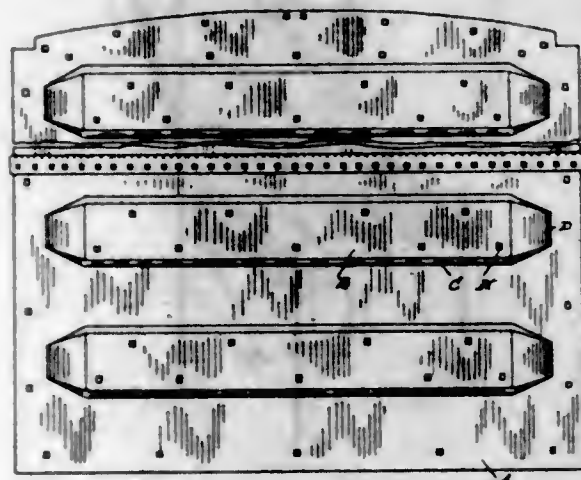
1. In apparatus for feeding molten glass, the combination of a container having a bottom outlet through which the glass is discharged, stirring implements within the glass in the container, means to rotate said implements simultaneously in opposite directions about a common axis, and means for periodically reciprocating one of said implements toward and from the outlet.

1,737,526. CONCRETE BUILDING CONSTRUCTION. JOHN WILLIAM THOMPSON, Stanmore, near Sydney, New South Wales, Australia. Filed Dec. 5, 1925, Serial No. 73,469, and in Australia Dec. 19, 1924. 8 Claims. (Cl. 72—1.)



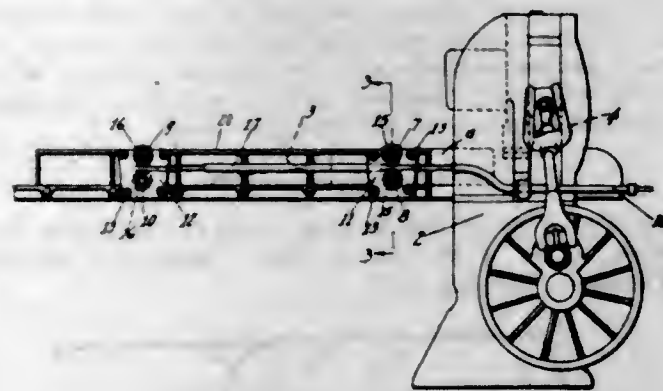
1. In a building construction, a plurality of slab sections arranged in edge-to-edge relation but spaced from each other, a plurality of insert slabs having engagement with said spaced slab sections and providing an interfitting connection therebetween, and locking means arranged between the sections.

1,737,527. CAR-BODY CONSTRUCTION. WILLIAM D. THOMPSON, Detroit, Mich., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Delaware. Filed May 7, 1923. Serial No. 637,349. 4 Claims. (Cl. 105—410.)



1. In a car body construction, the combination with a metallic plate provided with depressed portions forming panels in a parallel plane connected with the main plane by obliquely extending portions at both sides and ends, the portions at the ends being of a more oblique angle, filler strips within said depressions being of a gauge equal to the depth of the depression and of a width equal to the width of the panel, the ends of said filler strips being tapered to fill the oblique ends of the depression, and a lining of relatively thin stock secured to said filler strips and bearing thereagainst and the flush face of the metallic plate.

1,737,528. GAUGE FOR PAPER-CUTTING MACHINES. WILLIAM L. VALIQUETTE, Dayton, Ohio, assignor to The Harris-Seybold-Potter Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 3, 1927. Serial No. 165,734. 9 Claims. (Cl. 164—59.)

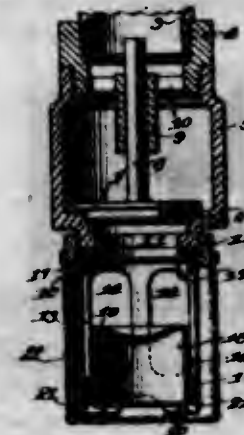


1. In a paper cutting machine, the combination with a cutting table, cutting knife and an adjustable back gauge for the paper pile, of a side gauge with means for reciprocating same in a plane at right angles to the plane of the cutting knife with a jogging motion, for the purpose described.

1,737,529. VALVE FOR FUEL-STORAGE TANKS. JOHN HYDE VIELK, Elmira, N. Y. Filed May 5, 1927. Serial No. 189,088. 5 Claims. (Cl. 221—67.)

5. In a liquid hydrocarbon fuel storage tank, a suction discharge pipe extending upwardly from a point adjacent its bottom and having a valve seat formed therein adjacent its lower end, a float cage depending from said valve seat having a liquid inlet port, and a valve float housed in

and guided by said cage for movement toward and from said valve seat, said float having a specific gravity to sink in hydrocarbon but providing for buoyancy thereof in



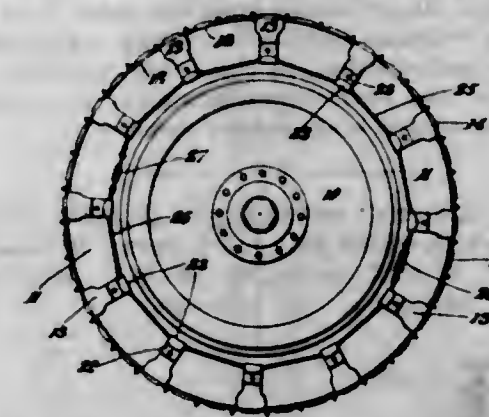
water and subject, when buoyant by immersion in water, to upward suction toward said valve seat through suction in said discharge pipe.

1,737,530. WATER-POWER DEVICE. NORMAN EARLE WERN, Melba, Idaho. Filed Sept. 28, 1927. Serial No. 222,551. 2 Claims. (Cl. 170—85.)



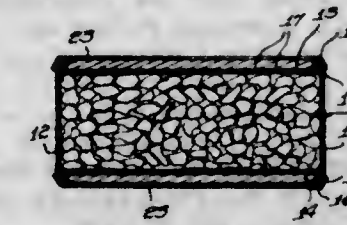
1. In a current motor, a pair of carriers each including arms and lugs, the arms being arranged in proximity to the lugs, current shifting paddles projecting from the carriers and adapted to operate the same, a pair of angle shaped braces secured to and extended from each paddle and anchored to a pair of arms, and a pair of inclined braces secured to each paddle and anchored to a pair of lugs.

1,737,531. NONSKID ARMOR FOR TIRES. KARL WILLIAM WEISS, Yonkers, N. Y. Filed Mar. 10, 1927. Serial No. 174,385. 1 Claim. (Cl. 152—16.)



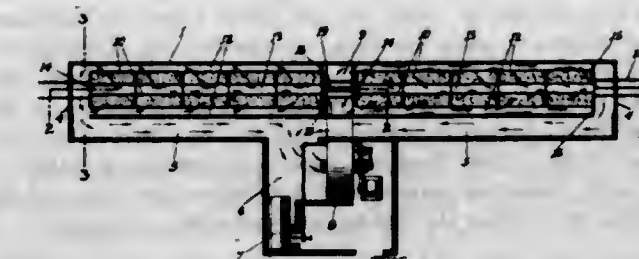
Non-skid armor for tires comprising a plurality of saddle members curved to conform to the transverse curvature of a tire and having their extremities forming arms disposed adjacent the felly of the wheel upon which the tire is mounted, narrow plate members connecting said saddle members at their central portions, said connecting plates being disposed along the center of the tread of the tire and terminating within limits defined by the sides of said tread, means pivoted to the extremities of the saddles to swing in a plane parallel to the plane of the wheel, but prevented from swinging in any other plane whereby the twisting of the saddles will be prevented, and means engaging said last mentioned means for holding the armor on the tire.

1,737,532. AIR PURIFYING AND DEODORIZING DEVICE. GEORGE B. ALLEN, Atlanta, Ga. Filed Dec. 13, 1928. Serial No. 325,886. 1 Claim. (Cl. 299—24.)



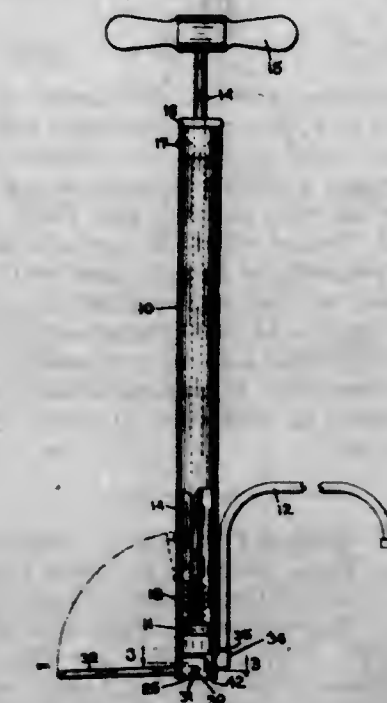
A device of the character described comprising a sheet metal container having side and end walls, and opposite relatively closely arranged walls provided with perforations, each of said last named walls being connected to the other walls by a steam forming a flange the opposite portions of which are inclined inwardly toward each other, a body of a deodorizing material in said container, and a sealing sheet arranged against each of said opposite walls to seal the perforations therein, said sheets frictionally engaging said flanges to be held in position thereby.

1,737,533. DEHYDRATOR. FRANK C. CHAPMAN, Modesto, Calif., assignor to Chapman Dehydrator Company, Modesto, Calif., a Corporation. Filed July 2, 1928. Serial No. 289,742. 6 Claims. (Cl. 34—46.)



1. A drier including a tunnel having a hot air inlet intermediate its ends, means for spacing the material across the plane of the inlet as said material is moved through the tunnel, means for causing the air to travel from the inlet toward both ends of the tunnel, and means for causing the air thus moving to pass through the material in continuously opposed transverse directions on opposite sides of the inlet.

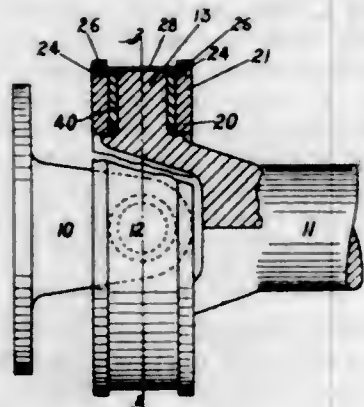
1,737,534. PUMP. SIDNEY L. DAVIS, Keene, N. H., assignor to Morganmade, Incorporated, Keene, N. H., a Corporation of New Hampshire. Filed Aug. 12, 1927. Serial No. 212,587. 6 Claims. (Cl. 230—190.)



1. In a pump, the combination of a barrel which is made of deformable material, a piston slidably mounted

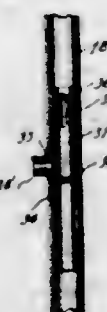
therein, means for conducting air from the barrel, and a closure for the lower end of the barrel which comprises a cup shaped member having an imperforate top and a substantially cylindrical wall of deformable material which is forced with a driving fit into firm engagement with a wall of the barrel and thereby forms an air tight seal.

1,737,535. UNIVERSAL JOINT. HARRY MAWSON FUNNELL, New Market, N. J. Filed June 15, 1928. Serial No. 285,553. 4 Claims. (Cl. 64-102.)



1. In a universal joint of the ring type, driving and driven members each carrying trunnions in combination with a two piece torque ring comprising a lubricant containing chamber, bushings rigidly clamped between the ring sections forming bearings for the trunnions, the two ring sections when clamped together forming a rabbeted joint, said rabbeted joint located between the axis of the universal joint and the lubricant containing chamber.

1,737,536. TIRE-PUMP VALVE. HOMER HASTING, Detroit, Mich. Filed Jan. 16, 1928. Serial No. 247,011. 2 Claims. (Cl. 230-228.)

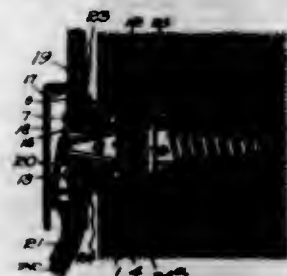


1. The combination with a tube having a lateral outlet of a tubular valve mounted in said tube and adapted for longitudinal movement therein, said tubular valve having a centrally disposed partition formed therein and adapted to prevent flow of fluid through said tube, lateral ports formed in said tubular valve on opposite sides of said partition and adapted for registration with said lateral outlet, and means for limiting longitudinal movement and for preventing rotation of said tubular valve whereby fluid under pressure on either side of said tubular valve causes the port on the same side of said partition to register with said lateral outlet in said tube to direct the fluid out said lateral outlet.

1,737,537. SEPARABLE FASTENER. GUSTAV JOHNSON, West Roxbury, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass., a Corporation of Massachusetts. Filed June 28, 1928. Serial No. 289,039. 8 Claims. (Cl. 24-211.)

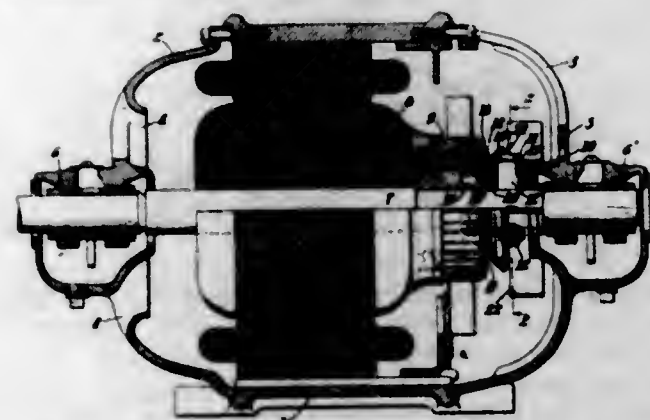
1. A snap fastener stud assembly having latch-presenting means providing a latch portion for engagement with a socket, attaching means securing said latch-presenting means to a carrying medium, an axially movable element

operable relative to said latch-presenting means for disengaging the latch portion from a socket, and a member comprising a part of the stud assembly and located in a plane substantially transverse to the axis of the axially movable element and parallel to the carrying medium, said



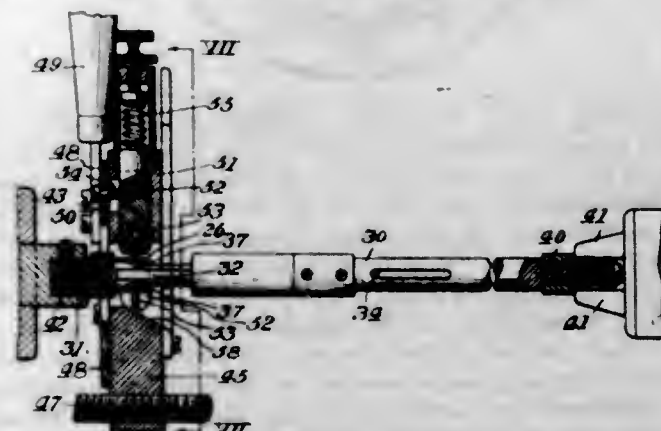
member providing a connection between the axially movable element and the carrying medium whereby a pull on the carrying medium at a predetermined side of the stud assembly will move said member which, in turn, will act to operate said axially movable element.

1,737,538. SHORT-CIRCUITING DEVICE. JOHN D. KABLE, Roselle Park, N. J., assignor to Diehl Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Aug. 15, 1927. Serial No. 212,866. 2 Claims. (Cl. 172-279.)



1. In an electric motor having a commutator, the combination with the motor-shaft, of a member fixed to rotate with said shaft and formed with a plurality of radial chambers at right angles to the latter, centrifugal weights mounted in and movable lengthwise of said chambers, a follower-disk free to slide and rotate on and relative to said shaft and formed at its periphery with an interrupted conical flange overhanging the outer ends of said chambers, a commutator short-circuiting contact-disk carried by said follower-disk, and a spring constantly urging said follower and contact members away from said commutator and toward said chamber member.

1,737,539. METHOD OF AND APPARATUS FOR MAKING DENTAL CROWNS. JACOB PETRY, Pittsburgh, Pa. Filed Apr. 8, 1927. Serial No. 181,982. Renewed Apr. 23, 1929. 12 Claims. (Cl. 113-39.)



9. Apparatus for forming dental crowns comprising a collapsible mandrel head that tapers rearwardly and a

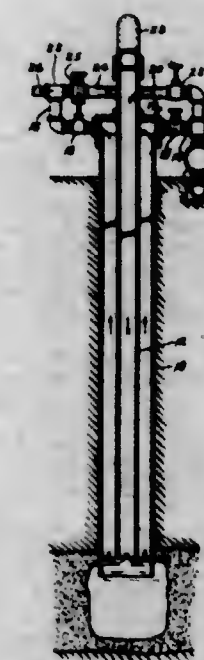
roller movable circumferentially of said head, and means for moving said roller longitudinally of the head during its circumferential movement.

1,737,540. KILN. HARRY M. ROBERTSON, Cleveland, Ohio. Filed Feb. 25, 1928. Serial No. 256,953. 6 Claims. (Cl. 25-142.)



1. A kiln comprising heating and cooling chambers forming a passage through which loaded carriers pass, combustion chambers between said chambers at opposite sides of said passage, manifolds adjacent the outer end of said heating chamber, a series of conduits for the heat and hot gases disposed at each side of said passage and connected to and leading from each said combustion chamber to one of said manifolds, and walls enclosing each said series of conduits, said walls having a portion disposed vertically at the side of the ware on the carriers as the latter move through said passage and said vertical portion having supply openings arranged opposite the upper portion of the ware and discharge openings arranged opposite the lower portion of the ware.

1,737,541. GAS-LIFT CONNECTION FOR OIL WELLS. CLAUDE C. TAYLOR, Fullerton, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,987. 3 Claims. (Cl. 103-10.)

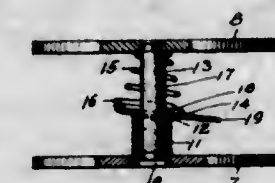


1. A casinghead assembly for a gas lift well within which a flow tube depends, comprising a pair of by-pass connections, each of which is connected with both the casing and the flow tube, valves in each connection, means for supplying gas under pressure to one connection and a flow-off line connected to receive from the other connection.

1,737,542. PROCESS OF MAKING WOOD PULP. WILLIAM BRIDGES and SPOTTSWOOD C. FOSTER, Big Island, Va., assignors to Bedford Pulp & Paper Company, Inc., Big Island, Va. Filed Jan. 18, 1929. Serial No. 333,516. 5 Claims. (Cl. 92-6.)

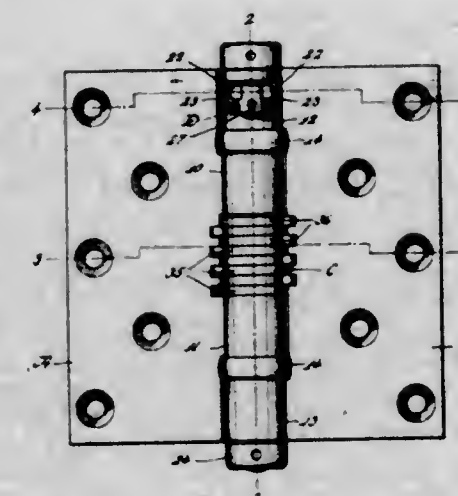
1. The treatment of wood for making pulp consisting of subjecting blocks or bolts of wood to an alkaline solution, cooking the wood to remove oils and acids therefrom and washing the wood with warm water to remove extraneous matters and facilitate mechanical separation of the fibers, preparatory to grinding.

1,737,543. LOCKING DEVICE FOR STUFFING-BOX NUTS. FRANK N. MASON, Pittsburgh, Pa., assignor, by mesne assignments, to Frederick Schaefer, Pittsburgh, Pa. Filed Aug. 6, 1925. Serial No. 48,688. 2 Claims. (Cl. 286-13.)



1. A locking device for a pair of opposed nuts comprising a pair of followers arranged to engage the nuts, a sleeve fixed on one of the followers and the free end of the sleeve having a surface oblique to the axis of the sleeve, a pin fixed to the other follower and slidable within said sleeve, a helical spring coiled about the pin and having its one end bearing against the corresponding follower, and a washer slidably mounted on said pin and against which the other end of said spring bears, said washer becoming jammed against movement on said pin by its engagement with the free end of the sleeve.

1,737,544. FRICTION BUTT. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed June 18, 1927. Serial No. 109,818. 9 Claims. (Cl. 16-140.)



1. In a hinge of the character described, a pair of hinge leaves provided with aligned knuckles, friction means interposed between a pair of said knuckles and comprising superposed friction disks, said disks being alternately connected to the respective leaves, a pin extending through said knuckles and disks and having a shoulder adjacent the lower end of the knuckle immediately above said unit,

C & E Fruit Co., Inc., Medford, Oreg. Fresh deciduous fruits. 263,608-9; Nov. 5; Serial Nos. 287,041-2; published Aug. 27, 1929. Class 46.

Calumet Packing Company, Sheboygan, Wis. Canned peas. 263,565; Nov. 5; Serial No. 284,439; published Aug. 27, 1929. Class 46.

Calvert Dress Company, The. (See Cohen, Pereth.)

Cameo Products Company. (See Hemmings, Herbert F.)

Campbell, Inc., Chicago, Ill. Hosiery. 263,422; Nov. 5; Serial No. 272,694; published May 28, 1929. Class 39.

Canton Battery & Ignition Co. (See Endicott, Charles K.)

Capital City Baking Co., Harrisburg, Pa. Bread. 263,549; Nov. 5; Serial No. 285,906; published Aug. 20, 1929. Class 46.

Carbide & Carbon Chemicals Corporation, New York, N. Y. Solvents. 263,505; Nov. 5; Serial No. 269,181; published Aug. 20, 1929. Class 6.

Carthage Mills Incorporated, Cincinnati, Ohio. Linoleum. 263,342-4; Nov. 5; Serial Nos. 285,250-1; published Aug. 27, 1929. Class 20.

Carthage Mills Incorporated, Cincinnati, Ohio. Linoleum. 263,345; Nov. 5; Serial No. 285,248; published Aug. 27, 1929. Class 20.

Carthage Mills Incorporated, Cincinnati, Ohio. Linoleum. 263,430; Nov. 5; Serial No. 285,442; published Aug. 27, 1929. Class 20.

Catz American Company, Inc., New York, N. Y. Evaporated or dried prunes, apricots, raisins, peaches, etc. 263,242; Nov. 5; Serial No. 285,730; published Aug. 20, 1929. Class 46.

Central Manufacturing Company, Denver, Colo. Perfume atomizers and sprayers. 263,638; Nov. 5. Class 44.

Chantilly Kookys Company, The, New York, N. Y. Cookies. 263,557; Nov. 5; Serial No. 285,014; published Aug. 20, 1929. Class 46.

Chicago Flexible Shaft Company, Chicago, Ill. Radiant heaters. 263,398; Nov. 5; Serial No. 282,170; published Aug. 13, 1929. Class 21.

Chicago Hotel & Restaurant Grocery Co. (See Sofrance, Sol.)

Chipman's, Chas., Sons Co., Inc., New York, N. Y. Infants' and children's socks. 263,340; Nov. 5; Serial No. 285,962; published Aug. 13, 1929. Class 39.

Cities Service Oil Company, The, Cleveland, Ohio. Insecticide. 263,292; Nov. 5; Serial No. 286,623; published Aug. 27, 1929. Class 6.

Cities Service Oil Company, The, Cleveland, Ohio. Cigar or cigarette lighter fuel. 263,293; Nov. 5; Serial No. 286,622; published Aug. 27, 1929. Class 6.

Cities Service Oil Company, The, Cleveland, Ohio. Lubricating oils. 263,459; Nov. 5; Serial No. 278,636; published Aug. 20, 1929. Class 15.

Citrus-Gardens Development Co., Chicago, Ill. Fresh grapefruit and oranges. 263,566; Nov. 5; Serial No. 283,720; published Aug. 27, 1929. Class 46.

City Mills Company, Columbus, Ga. Flour. 263,587; Nov. 5; Serial No. 284,934; published Aug. 20, 1929. Class 46.

Cleveland Brass Manufacturing Company, The, Cleveland, Ohio. Cocks, faucets, metal pipe fittings, etc. 263,455; Nov. 5; Serial No. 285,623; published Aug. 27, 1929. Class 13.

Cline, Benjamin J., doing business as Cline Medicine Company, Poplar Bluff, Mo. Preparation used in the treatment of cystitis, gonorrhea, etc. 263,251; Nov. 5; Serial No. 285,444; published Aug. 13, 1929. Class 6.

Coast Fishing Company, Wilmington, Calif. Canned fish. 263,607; Nov. 5; Serial No. 287,048; published Aug. 27, 1929. Class 46.

Coffman Pharmacal Co., Cumberland, Md. Medicinal preparation. 263,579; Nov. 5; Serial No. 281,930; published Aug. 6, 1929. Class 6.

Cohen, Pereth, doing business as The Calvert Dress Company, Baltimore, Md. Gowns, frocks, and dresses. 263,513; Nov. 5; Serial No. 283,988; published Aug. 13, 1929. Class 39.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonographs. 263,503; Nov. 5; Serial No. 274,315; published Aug. 13, 1929. Class 36.

Columbia Specialty Co. (See Maggini, Peter.)

Commodore Men's Shops, Inc., New York, N. Y. Men's shirts and underwear. 263,315; Nov. 5; Serial No. 283,384; published Aug. 13, 1929. Class 39.

Consolidated Textile Corporation, New York, N. Y. Seat-covering materials of cotton. 263,321; Nov. 5; Serial No. 280,694; published Aug. 20, 1929. Class 42.

Cookson, Thomas J., doing business as Admiral Hay Press Mfg. Co., Kansas City, Mo. Hay presses and baling presses. 263,278; Nov. 5; Serial No. 286,036; published Aug. 20, 1929. Class 23.

Co-operative Citrus Association, Exeter, Calif. Fresh citrus fruit. 263,418; Nov. 5; Serial No. 283,970; published Aug. 27, 1929. Class 46.

Cordero, E. P. & Co., New York, N. Y. Cigars. 263,428; Nov. 5; Serial No. 269,050; published Aug. 27, 1929. Class 17.

Coty, Inc., New York, N. Y. Perfumes, toilet water, creams, etc. 263,238; Nov. 5; Serial No. 286,308; published Aug. 13, 1929. Class 6.

Coulter, David A., doing business as David Coulter & Company, Pittsburgh, Pa. Paste and liquid wax. 263,586; Nov. 5; Serial No. 280,596; published Aug. 27, 1929. Class 16.

Cox Paint & Varnish Company, The, Massillon, Ohio. Paints. 263,537; Nov. 5; Serial No. 286,038; published Aug. 20, 1929. Class 16.

Crescent Armored Wire Co., Inc., Trenton, N. J. Flexible armored electric cables. 263,229; Nov. 5; Serial No. 285,498; published Aug. 20, 1929. Class 21.

Crispy Baking Company Inc., The, Boston, Mass. Wafer bread. 263,554; Nov. 5; Serial No. 285,150; published Aug. 20, 1929. Class 46.

Cruso, Solomon, New York, N. Y. Face powders, talcum powders, perfumes, etc. 263,438-9; Nov. 5; Serial Nos. 286,869-70; published Aug. 27, 1929. Class 6.

Crystal Soda Water Company, Scranton, Pa. Maltless beverages and sirups, extracts, and concentrates for making the same. 263,273; Nov. 5; Serial No. 286,743; published Aug. 20, 1929. Class 45.

Cudahy Packing Company, The, Chicago, Ill. Lard. 263,399; Nov. 5; Serial No. 286,979; published Aug. 20, 1929. Class 46.

Custom House Packing Corporation, Monterey, Calif. Canned fish. 263,606; Nov. 5; Serial No. 287,053; published Aug. 20, 1929. Class 46.

Deglet Noor Date Growers Association, The, Indio, Calif. Seeded and ground dates. 263,630; Nov. 5. Class 46.

De Havilland Aircraft Company, Limited, The, Edgeware, England. Internal-combustion engines. 263,463; Nov. 5; Serial No. 284,114; published Aug. 27, 1929. Class 23.

Dehis & Stein, Newark, N. J. Water-corrective compounds. 263,309; Nov. 5; Serial No. 283,262; published Aug. 13, 1929. Class 6.

Deja, Inc., New York, N. Y. Jewelry. 263,227; Nov. 5; Serial No. 285,556; published Aug. 20, 1929. Class 28.

Dell, Samuel M. & Co., Inc., Baltimore, Md. Brushes. 263,386; Nov. 5; Serial No. 286,161; published Aug. 27, 1929. Class 29.

Demartini, John, Co. Inc., San Francisco, Calif. Fresh fruits and vegetables, canned fish, dried fruits. 263,407; Nov. 5; Serial No. 286,424; published Aug. 20, 1929. Class 46.

Dempsey, Joseph A., Inc., New York, N. Y. Woolen woven cloths. 263,448; Nov. 5; Serial No. 285,909; published Aug. 20, 1929. Class 42.

Dexter Company, The, Fairfield, Iowa. Washing machines. 263,535; Nov. 5; Serial No. 286,039; published Aug. 20, 1929. Class 24.

Diary Publishing Corporation, The, New York, N. Y. Overalls. 263,585; Nov. 5; Serial No. 277,752; published June 25, 1929. Class 39.

Disappearing Roller Screen Company. (See Blackburn, Bruce.)

D'Orsay Perfumeries Corporation, New York, N. Y. Perfumes, perfume extracts, toilet waters, etc. 263,577; Nov. 5; Serial No. 282,978; published Aug. 27, 1929. Class 6.

Dow Chemical Company, The, Midland, Mich. Chemical compound. 263,311; Nov. 5; Serial No. 281,413; published Aug. 20, 1929. Class 6.

Du Pont Rayon Company, Buffalo, N. Y. Artificial-silk yarns, threads, and filaments. 263,433; Nov. 5; Serial No. 285,413; published July 30, 1929. Class 43.

Du Pont Viscold Company, New York, N. Y. Hand mirrors and picture frames. 263,605; Nov. 5; Serial No. 287,056; published Aug. 27, 1929. Class 32.

Durametallic Corporation, Kalamazoo, Mich. Packing for moving parts. 263,368; Nov. 5; Serial No. 278,031; published Mar. 12, 1929. Class 35.

Durawear Corporation, Minneapolis, Minn. Undergarments. 263,427; Nov. 5; Serial No. 270,469; published July 23, 1929. Class 39.

Dyer Motorcraft Corporation, East Greenwich, R. I. Motor boats and airplanes. 263,516; Nov. 5; Serial No. 283,266; published Aug. 20, 1929. Class 19.

E. Am. Ass'n. for Oxygen-Therapy. (See Blass, F. M. Eugene.)

Eastern Hair Net Trading Co. (See Finkelstein, William.)

Edison Illuminating Company of Detroit, The. (See Noble & Harris.)

Edmonds Coffee Co. (See Smith, E. T. Company.)

Elco Paint Products, Inc., New York, N. Y. Paints, primers, wood fillers, etc. 263,293; Nov. 5; Serial No. 286,555; published Aug. 27, 1929. Class 16.

Elder Mfg. Co., St. Louis, Mo. Shirts and boys' blouses. 263,392; Nov. 5; Serial No. 286,040; published Aug. 13, 1929. Class 39.

Electrical Equipment Company. (See White, Samuel F., Jr.)

Ellis Channel System Incorporated, New York, N. Y. Deck barges, etc. 263,650; Nov. 5. Class 19.

Empire State Pickling Co., Phelps, N. Y. Canned sauerkraut, cherries, and sauerkraut juice. 263,415; Nov. 2; Serial No. 285,347; published Aug. 27, 1929. Class 46.

Endicott, Charles K., doing business as Canton Battery & Ignition Co., Canton, Mass. Electrical safety flashing-signal lamps. 263,474; Nov. 5; Serial No. 284,528; published Aug. 13, 1929. Class 21.

Endine Co., The, Brooklyn, N. Y. Antiseptic liniment. 263,287; Nov. 5; Serial No. 286,873; published Aug. 27, 1929. Class 6.

Engelsberg, Sue B., doing business as Sarbonne Laboratories, Philadelphia, Pa. Corn and callous removing preparation. 263,246; Nov. 5; Serial No. 285,711; published Aug. 13, 1929. Class 6.

Erdrich, Mark S., New York, N. Y. Suits, cloaks, and wraps for women. 263,327; Nov. 5; Serial No. 277,661; published Aug. 20, 1929. Class 39.

Everseal Manufacturing Co., Inc., New York, N. Y. Paints. 263,562; Nov. 5; Serial No. 286,931; published Aug. 27, 1929. Class 16.

Exhibit Supply Company, The. (See Meyer, J. Frank.)

Fabrique d'Horlogerie Chs. Tissot & Fils Societe Anonyme, Le Locle, Switzerland. Watches, clockworks, dials, and watchcases. 263,633; Nov. 5.

Fairchild Canning Company. (See Sears & Nichols Corporation, The.)

Famous-Sternberg, Inc., New Orleans, La. Men's and boys' clothing. 263,328; Nov. 5; Serial No. 277,620; published Aug. 13, 1929. Class 39.

Fan Flame Spark Plug Co., Yonkers, N. Y. Spark plugs. 263,666; Nov. 5. Class 21.

Farr Laboratories, The. (See Brook Hill Farm, Inc.)

Farrar, Christy M., St. Louis, Mo. Preventives and preparations for use against insects, chiggers, and mites. 263,307; Nov. 5; Serial No. 283,732; published Aug. 13, 1929. Class 6.

Fazio, Stephen, doing business as Whitox Chemical Co., Syracuse, N. Y. Chemical washing fluid. 263,243; Nov. 5; Serial No. 285,738; published Aug. 20, 1929. Class 6.

Federal Mill & Elevator Co., Inc., Lockport, N. Y. Blended wheat and rye flour. 263,594; Nov. 5; Serial No. 287,461; published Aug. 27, 1929. Class 46.

Federal Telegraph Company, San Francisco, Calif. Phonographs. 263,212; Nov. 5; Serial No. 257,228; published Aug. 13, 1929. Class 36.

Finch-Winslow-Carlisle. (See Nash-Finch Company.)

Finkelstein, William, doing business as Eastern Hair Net Trading Co., New York, N. Y. Hair nets. 263,320; Nov. 5; Serial No. 279,318; published Aug. 20, 1929. Class 42.

Firebrand Kitchen Equipment Company, The, New York, N. Y.; Cincinnati, Ohio; and Chicago, Ill. Electric ranges, sausage toasters, and barbecue broilers. 263,228; Nov. 5; Serial No. 285,505; published Aug. 20, 1929. Class 21.

Firebrand Kitchen Equipment Company, The, New York, N. Y., and Cincinnati, Ohio. Urn stands, work tables, bakers' tables, etc. 263,284; Nov. 5; Serial No. 285,508; published Aug. 20, 1929. Class 32.

First Texas Chemical Mfg. Co., Dallas, Tex. Analgesic, antipyretic, and nerve sedative. 263,248; Nov. 5; Serial No. 285,668; published Aug. 20, 1929. Class 6.

Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 263,290-7; Nov. 5; Serial Nos. 286,485-6; published Aug. 27, 1929. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Synthetic organic chemical compounds suitable for use in imitation vanilla and other flavoring extracts. 263,487-8; Nov. 5; Serial Nos. 276,928-9; published Aug. 27, 1929. Class 6.

Foley Dog Supplies, Inc., Philadelphia, Pa. Dog food. 263,286; Nov. 5; Serial No. 287,128; published Aug. 27, 1929. Class 46.

Frank, Marcel, Inc., New York, N. Y. Atomizers. 263,560; Nov. 5; Serial No. 286,332; published Aug. 20, 1929. Class 44.

Frank, Samuel, doing business as Preferred Radio Stores, New York, N. Y. Radio receiving sets and loud-speakers, electron tubes, etc. 263,473; Nov. 5; Serial No. 284,609; published Aug. 20, 1929. Class 21.

Franklin Pottery (Inc.), Lansdale, Pa. Porcelain electric-lighting fixtures and switch plates. 263,395; Nov. 5; Serial No. 283,108; published Aug. 13, 1929. Class 21.

Fray Jewelry Company, Providence, R. I. Finger rings, brooches, pendants, etc. 263,479; Nov. 5; Serial No. 284,119; published Aug. 20, 1929. Class 28.

Friedman Tobacco Products Corporation, York, Pa. Fertilizers. 263,339; Nov. 5; Serial No. 285,967; published Aug. 27, 1929. Class 10.

Frontline Millinery Import Co., Inc., New York, N. Y. Hats. 263,677; Nov. 5. Class 39.

Fulton County Silk Mills, Gloversville, N. Y. Silk piece goods. 263,483; Nov. 5; Serial No. 285,451; published Aug. 20, 1929. Class 42.

Funsten Knitting Co. (See Moore, Walton N., Dry Goods Co., Inc.)

Gash-Stull Company, Chester, Pa. Lubricating oils. 263,630-7; Nov. 5. Class 15.

Gebrüder Carpers, Hiltorf, near Cologne, Germany. Cigars, cigarettes, cigarillos, etc. 263,518; Nov. 5; Serial No. 262,235; published Aug. 27, 1929. Class 17.

Gelgy Company, Inc., New York, N. Y. Dyestuffs, lakes, and chemical products suitable for dyeing purposes. 263,507; Nov. 5; Serial No. 284,454; published Aug. 27, 1929. Class 6.

General Ice Cream Corporation, Schenectady, N. Y. Ice cream and ices. 263,240-1; Nov. 5; Serial Nos. 286,110-11; published Aug. 20, 1929. Class 46.

General Nut Company, Chicago, Ill. Nuts, nut flakes, chocolate-dipped nuts, etc. 263,416; Nov. 5; Serial No. 285,203; published Aug. 27, 1929. Class 46.

General Silk Corporation, New York, N. Y. Silk and part silk goods. 263,351; Nov. 5; Serial No. 284,537; published July 30, 1929. Class 42.

General Silk Corporation, New York, N. Y. Cotton, silk, and wool woven goods. 263,354; Nov. 5; Serial No. 284,536; published July 30, 1929. Class 42.

Gentry, Mrs. C. B., doing business as C. B. Gentry Chilli Powder Co., Los Angeles, Calif. Pimento flakes. 263,626; Nov. 5. Class 46.

Gibbs & Company, Chicago, Ill. Hair nets. 263,672; Nov. 5. Class 42.

Giesen & Forsthoef Stahlwarenfabrik, Solingen, Germany. Pocketknives, scissors, knives, etc. 263,470; Nov. 5; Serial No. 278,730; published Aug. 27, 1929. Class 23.

Gimbel Brothers, Inc., New York, N. Y. Women's sweaters. 263,330; Nov. 5; Serial No. 285,091; published Aug. 20, 1929. Class 39.

Gimbel Brothers, Inc., New York, N. Y. Men's and women's outfits for traveling by aeroplanes. 263,337; Nov. 5; Serial No. 285,081; published Aug. 13, 1929. Class 39.

Gleason Works, The, Rochester, N. Y. Machines and apparatus for testing gears, rear-axle-testing apparatus, etc. 263,277; Nov. 5; Serial No. 286,325; published Aug. 20, 1929. Class 26.

Goldman, Sigmund L., doing business as The Life-Buoy Products Company, Chicago, Ill. Malt syrup for food purposes. 263,372; Nov. 5; Serial No. 277,293; published Aug. 20, 1929. Class 46.

Goldsmith Brothers, New York, N. Y. Hand bags and pocketbooks. 263,491; Nov. 5; Serial No. 273,103; published Aug. 20, 1929. Class 3.

Goldstein, Herbert, doing business as The Rekey Company, Chicago, Ill. Maltless beverages. 263,272; Nov. 5; Serial No. 286,757; published Aug. 20, 1929. Class 45.

Gondrezick, R. E., Tomah, Wis. Beverages. 263,648; Nov. 5. Class 45.

Gorman, J. T. & Son, Inc., Colones, N. Y. Butter. 263,574; Nov. 5; Serial No. 282,034; published Aug. 20, 1929. Class 46.

Governor and Company of Adventurers of England, Trading into Hudson's Bay, doing business as Hudson's Bay Company, Winnipeg, Manitoba, Canada. Tens and coffees. 263,414; Nov. 5; Serial No. 285,455; published Aug. 20, 1929. Class 46.

Graff, Jacob, New York, N. Y. Clothing. 263,528; Nov. 5; Serial No. 286,881; published Aug. 20, 1929. Class 39.

Gravenstein Apple Growers Co-operative Association of Sonoma County, Sebastopol, Calif. Fresh apples. 263,571; Nov. 5; Serial No. 277,164; published Aug. 27, 1929. Class 46.

Green, Ned M., San Francisco, Calif. Automatic coin-operated electric time switch. 263,233; Nov. 5; Serial No. 285,093; published Aug. 20, 1929. Class 21.

Greenberg & Josephsberg, New York, N. Y. Padlocks. 263,614; Nov. 5. Class 25.

Greiner, John J., Ogden, Utah. Laxative herb tonic and healing ointment. 263,291; Nov. 5; Serial No. 286,723; published Aug. 27, 1929. Class 6.

Gribben Company, Inc., New York, N. Y. Piece goods. 263,543; Nov. 5; Serial No. 287,068; published Aug. 20, 1929. Class 42.

Griffith Tool Works, Philadelphia, Pa. Hammers and hatchets. 263,271; Nov. 5; Serial No. 286,760; published Aug. 20, 1929. Class 23.

Gross, Benjamin & Edward J., Co., Inc., New York, N. Y. Finger rings and mountings therefor. 263,223; Nov. 5; Serial No. 285,817; published Aug. 20, 1929. Class 28.

Gudgeon, Stephen A., La Farge, Wis. Battery-terminal paste and chemical tire and tube preservers. 263,504; Nov. 5; Serial No. 271,851; published Aug. 13, 1929. Class 6.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 263,617-8; Nov. 5. Class 2.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 263,603; Nov. 5. Class 2.

Hahn, Harold V., doing business as The Armature Company, Cleveland, Ohio. Automotive armatures. 263,460-1; Nov. 5; Serial Nos. 278,290-1; published Aug. 13, 1929. Class 21.

Hale-Nass Corporation, New York, N. Y. Boxed toy sets. 263,612; Nov. 5; Serial No. 283,452; published Aug. 20, 1929. Class 22.

Hamblin & Russell Mfg. Co., Worcester, Mass. Knives, forks, and spoons, etc. 263,280; Nov. 5; Serial No. 285,740; published Aug. 20, 1929. Class 23.

Hardman, Peck & Co., New York, N. Y. Umbrella racks. 263,342; Nov. 5; Serial No. 285,268; published Aug. 27, 1929. Class 32.

Hart & Hutchinson Company, The, New Britain, Conn. Lockers and storage compartments. 263,283; Nov. 5; Serial No. 285,563; published Aug. 20, 1929. Class 32.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Hawaii. Canned pineapple. 263,656; Nov. 5. Class 46.

Hearn, James A. & Son, Inc., New York, N. Y. Hosiery. 263,380; Nov. 5; Serial No. 286,119; published Aug. 20, 1929. Class 39.

Heather Handkerchief Works Inc., New York, N. Y. Handkerchiefs. 263,387; Nov. 5; Serial No. 286,168; published Aug. 20, 1929. Class 42.

Hemmings, Herbert F., doing business as Cameo Products Company, Irvington, N. J. Insecticide. 263,289; Nov. 5; Serial No. 286,770; published Aug. 27, 1929. Class 6.

Henry, Carl, Inc., New York, N. Y. Smoking and chewing tobacco. 263,615; Nov. 5. Class 17.

Henry, Merwin R., doing business as The Varn-O-lite Mfg. Co., Buffalo, N. Y. Preparation for polishing and cleaning automobiles and furniture. 263,290; Nov. 5; Serial No. 286,633; published Aug. 27, 1929. Class 16.

Henry Paper Co., Inc., The, New York, N. Y. Cover for dresses. 263,591; Nov. 5; Serial No. 283,193; published Aug. 20, 1929. Class 50.

Herzog, Joseph L. & Co., New York, N. Y. Finger rings. 263,226; Nov. 5; Serial No. 285,564; published Aug. 13, 1929. Class 28.

Hickey-Freeman Co., Rochester, N. Y. Men's overcoats. 263,318; Nov. 5; Serial No. 282,649; published Aug. 13, 1929. Class 39.

Hill, Rosie E., New Madrid, Mo. Hair grower and pressing oil. 263,578; Nov. 5; Serial No. 282,508; published Aug. 27, 1929. Class 6.

Hillers, Dr. Akt.-Ges. Nähr- & Heilmittelwerk, Grafrath, Kreis Solingen, Germany. Preparations and compounds; drops, bonbons, or tablets. 263,674; Nov. 5. Class 6.

Hodshon Company, The, Danbury, Conn., and New York, N. Y. Straw and felt hats and caps. 263,522; Nov. 5; Serial No. 284,942; published July 23, 1929. Class 39.

Home Mfg. Company, Chicago, Ill. Fuel-oil burners. 263,352; Nov. 5; Serial No. 284,540; published Aug. 27, 1929. Class 39.

Horment Aktiengesellschaft für Herstellung Organischer Heilmittel, Berlin, Germany. Hormon and ferment preparations. 263,257; Nov. 5; Serial No. 250,753; published Aug. 13, 1929. Class 6.

Horn, W. O. & Brother, Inc., New York, N. Y. Neckties and cravats. 263,379; Nov. 5; Serial No. 286,330; published Aug. 13, 1929. Class 39.

Horween Leather Company, Chicago, Ill. Cordovan leather. 263,642; Nov. 5. Class 1.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 263,670; Nov. 5. Class 6.

Huber, Frederick W., Inc., Brooklyn, N. Y. Wheat flour. 263,366; Nov. 5; Serial No. 278,692; published June 25, 1929. Class 46.

Hudson's Bay Company. (See Governor and Company of Adventurers of England Trading into Hudson's Bay.)

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Fertilizer. 263,376; Nov. 5; Serial No. 286,481; published Aug. 27, 1929. Class 10.

Ideal Novelty & Toy Co., Inc., Brooklyn, N. Y. Dolls. 263,535; Nov. 5; Serial No. 285,027; published Aug. 20, 1929. Class 22.

Imperial Oil & Gas Products Company, Pittsburgh, Pa. Carbon black. 263,303; Nov. 5; Serial No. 286,173; published Aug. 27, 1929. Class 16.

Imperial Oil & Gas Products Company, Pittsburgh, Pa. Carbon black. 263,534; Nov. 5; Serial No. 286,171; published Aug. 27, 1929. Class 16.

Imperial Oil & Gas Products Company, Pittsburgh, Pa. Carbon black. 263,536; Nov. 5; Serial No. 286,170; published Aug. 27, 1929. Class 16.

Innes Shoe Co., Los Angeles and Pasadena, Calif. Hosiery. 263,511-2; Nov. 5; Serial Nos. 284,127-8; published Aug. 20, 1929. Class 39.

International Extract Co. (See Paul, Milton.)

International Millinery Co., Inc., New York, N. Y. Felt hats. 263,671; Nov. 5. Class 39.

Jaciel Perfumers, Inc., New York, N. Y. Tooth paste, hair-dressing, antiseptic, and mouth wash. 263,244; Nov. 5; Serial No. 286,054; published Aug. 13, 1929. Class 6.

Jackson, William M. S., Detroit, Mich. Lubricators. 263,367; Nov. 5; Serial No. 278,097; published Aug. 27, 1929. Class 23.

Jacobs Candy Company, Ltd., doing business as Jane Joyce Candy Co., New Orleans, La. Candy. 263,417; Nov. 5; Serial No. 285,157; published Aug. 27, 1929. Class 46.

Jane Joyce Candy Co. (See Jacobs Candy Company.)

Kansas Mill & Elevator Company, The, Arkansas City, Kans. Wheat flour. 263,288; Nov. 5; Serial No. 286,829; published Aug. 20, 1929. Class 46.

Kaskel & Kaskel Corporation, New York, N. Y., now, by change of name, Kaskel & Kaskel Dunlap Corporation. Stud sets, bracelets, scarfpins, etc. 263,231; Nov. 5; Serial No. 285,273; published Aug. 13, 1929. Class 28.

Kaskel & Kaskel Corporation, New York, N. Y., now, by change of name, Kaskel & Kaskel Dunlap Corporation. Textile steamer rugs and handkerchiefs. 263,484; Nov. 5; Serial No. 285,356; published Aug. 20, 1929. Class 42.

Kauffmann, Erwin, St. Louis, Mo. Maltless beverages. 263,363; Nov. 5; Serial No. 282,188; published Aug. 27, 1929. Class 45.

Kayser, Julius & Co., New York, N. Y. Underwear. 263,338; Nov. 5; Serial No. 285,028; published Aug. 13, 1929. Class 39.

Kemitex Products Company, The, Akron, Ohio. Cloth for upholstery, lining, and trimming, slip covers, etc. 263,259; Nov. 5; Serial No. 240,862; published Aug. 27, 1929. Class 42.

Kent-Moore Organization, Detroit, Mich. Sets of motor-car-repair tools. 263,496; Nov. 5; Serial No. 275,495; published Aug. 27, 1929. Class 23.

Kermath Manufacturing Co., Detroit, Mich. Explosive engines, pumps, clutches, and reverse gears. 263,409; Nov. 5; Serial No. 275,337; published Aug. 27, 1929. Class 23.

Keybord Banjo Company of America, Inc., The, Cleveland, Ohio. Stringed musical instruments and string depress-ing attachments therefor. 263,397; Nov. 5; Serial No. 282,299; published Aug. 13, 1929. Class 39.

Keystone Aircraft Corporation, Bristol, Pa. Flying machines. 263,520; Nov. 5; Serial No. 281,212; published Aug. 27, 1929. Class 19.

Kienzler Co., Inc., New York, N. Y. Salad oil. 263,431; Nov. 5; Serial No. 285,460; published Aug. 20, 1929. Class 46.

Kinney-Coons Co., Inc., Yonkers, N. Y. Corsets and girdles. 263,641; Nov. 5. Class 39.

Kleber Grip Company. (See Russell, Gadsden E.)

Knickerbocker Mills Co., New York, N. Y. Spices, paprika, tea, etc. 263,371; Nov. 5; Serial No. 277,074; published Aug. 20, 1929. Class 46.

Knorr Food Products Corporation, New York, N. Y. Soups, alimentary pastes, bouillon cubes, etc. 263,495; Nov. 5; Serial No. 276,423; published Aug. 20, 1929. Class 46.

Kramer, David, Inc., New York, N. Y. Wood furniture. 263,466; Nov. 5; Serial No. 281,215; published Aug. 20, 1929. Class 32.

Kresge Department Store Corporation, Newark, N. J. Powdered alum, sodium bicarbonate, etc. 263,302; Nov. 5; Serial No. 286,252; published Aug. 27, 1929. Class 6.

Kresge Department Store Corporation, Newark, N. J. Wearing apparel. 263,423; Nov. 5; Serial No. 269,355; published Oct. 30, 1928. Class 39.

Krieger, Edward & Co., Inc., New York, N. Y. Coats. 263,453; Nov. 5; Serial No. 285,681; published Aug. 13, 1929. Class 39.

Kurtz & Son, Millinburg, Pa. Smocks, aprons, auto coats, etc. 263,375; Nov. 5; Serial No. 286,543; published Aug. 13, 1929. Class 39.

Laitman & Laitman, New York, N. Y. Hand bags. 263,304; Nov. 5; Serial No. 286,183; published Aug. 20, 1929. Class 39.

Lancaster, Dorothy S., doing business as Tan-Rite Co., Los Angeles, Calif. Cosmetic. 263,253; Nov. 5; Serial No. 285,102; published Aug. 13, 1929. Class 6.

Lathry, H. T., Motor Company, Cleveland Heights, Ohio. Automobiles. 263,539; Nov. 5; Serial No. 285,923; published Aug. 20, 1929. Class 19.

Lemon Process Company, The, Newark, Ohio. Motor fuel oils. 263,216; Nov. 5; Serial No. 267,659; published Aug. 13, 1929. Class 15.

Lesser & Barnett, New York, N. Y. Finger rings. 263,221; Nov. 5; Serial No. 285,865; published Aug. 20, 1929. Class 28.

Lesser & Barnett, New York, N. Y. Finger rings. 263,264; Nov. 5; Serial No. 285,866; published Aug. 20, 1929. Class 28.

Life-Buoy Products Company, The. (See Goldman, Sig-mund L.)

Life Savers, Inc., Port Chester, N. Y. Candy. 263,410; Nov. 5; Serial No. 286,065; published Aug. 27, 1929. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Filled capsules. 263,437; Nov. 5; Serial No. 286,990; published Aug. 20, 1929. Class 6.

Listenbee, James W., doing business as Listenbee Mfg. Co., Calhoun, Miss. Cough syrup. 263,235; Nov. 5; Serial No. 286,438; published Aug. 20, 1929. Class 6.

Lovell Manufacturing Company, Erie, Pa. Wringers. 263,485; Nov. 5; Serial No. 285,282; published Aug. 27, 1929. Class 24.

Lucia, V., Estate, doing business as Magnolia Macaroni Manufacturing Company, Houston, Tex. Paste food products. 263,358; Nov. 5; Serial No. 283,876; published Aug. 20, 1929. Class 46.

Luciano, P. & Sons, Newark, N. J. Hair tonic. 263,421; Nov. 5; Serial No. 273,194; published Nov. 13, 1928. Class 6.

Lyon, Conklin & Co., Inc., Baltimore, Md. Roofing cement and roofing compounds. 263,673; Nov. 5. Class 12.

MacDougall, Alice Foote, Coffee Shops, Inc., New York, N. Y. Glass tumblers, goblets, pitchers, etc. 263,323; Nov. 5; Serial No. 278,905; published Aug. 20, 1929. Class 33.

MacDougall, Alice Foote, Coffee Shops, Inc., New York, N. Y. Dinner and tea sets, teapots, serving trays, etc. 263,324; Nov. 5; Serial No. 278,904; published Aug. 20, 1929. Class 30.

Mac Fisheries Limited, London, England. Fresh herrings, canned herrings, canned kippered herrings, etc. 263,494; Nov. 5; Serial No. 271,452; published Aug. 20, 1929. Class 46.

Maggini, Peter, doing business as Columbia Specialty Co., Newark, N. J. Medicated sherry. 263,407; Nov. 5. Serial No. 275,361; published Feb. 12, 1929. Class 6.

Magnolia Macaroni Manufacturing Company. (See Lucia, V., estate.)

Mahoney, Frank J., doing business as Menthenzymes Co., San Francisco, Calif. Elixir and wafer preparations, pills, and effervescent granules. 263,435; Nov. 5; Serial No. 286,902; published Aug. 20, 1929. Class 6.

Maintenance Company, Inc., The, New York, N. Y. Elevator controllers, switches, stop-motion devices, etc. 263,477; Nov. 5; Serial No. 284,241; published Aug. 13, 1929. Class 21.

Majestic Packing & Rubber Corporation, New York, N. Y. Belting, hose, machinery packing. 263,282; Nov. 5; Serial No. 285,633; published Aug. 20, 1929. Class 35.

Malt-Zyme. (See Walsh, W. A.)

Manassas Milling Co. (See Robertson, Bolling L.)

Marcus Brush Co., Inc., New York, N. Y. Paintbrushes. 263,335; Nov. 5; Serial No. 285,105; published Aug. 27, 1929. Class 29.

Marin, Manuel & Co., Mayaguez, P. R. Effervescent liq-uid purgative. 263,580; Nov. 5; Serial No. 281,222; published Aug. 27, 1929. Class 6.

Marin, Manuel & Co., Mayaguez, P. R. Purgative. 263,584; Nov. 5; Serial No. 281,221; published Aug. 27, 1929. Class 6.

Marlboro Shirt Company, Inc., Baltimore, Md. Shirts, col-lars, and pajamas. 263,450; Nov. 5; Serial No. 285,868; published Aug. 13, 1929. Class 39.

Marshall Field & Company, Chicago, Ill. Neckties and cravats. 263,381; Nov. 5; Serial No. 286,238; pub-lished Aug. 13, 1929. Class 39.

Martin-Senour Company, The, Cleveland, Ohio. Paints, paint enamels, varnishes, etc. 263,213; Nov. 5; Serial No. 268,990; published Aug. 20, 1929. Class 16.

Martin Varnish Company, Chicago, Ill. Varnishes. 263,621; Nov. 5. Class 16.

Maus, Harry P., Lima, Ohio. Electric pick-up for phono-graphs. 263,665; Nov. 5. Class 21.

Maxine Doll Co., Incorporated, New York, N. Y. Dolls. 263,301; Nov. 5; Serial No. 286,253; published Aug. 20, 1929. Class 22.

May Knitting Company, Inc., New York, N. Y. Children's sweaters and sweater suits. 263,447; Nov. 5; Serial No. 285,928; published Aug. 20, 1929. Class 39.

Meaker, Albert J., Seattle, Wash. English pork sausage. 263,211; Nov. 5; Serial No. 257,885; Aug. 20, 1929. Class 46.

Mechanical Rubber Company, The, New York, N. Y. Belts and hose. 263,347; Nov. 5; Serial No. 285,162; pub-lished Aug. 27, 1929. Class 35.

Medina, J. A., Company, New York, N. Y. Green coffee. 263,411; Nov. 5; Serial No. 285,979; published Aug. 20, 1929. Class 46.

Menthenzymes Co. (See Mahoney, Frank J.)

Mercer Pottery Company, Trenton, N. J. Dinner ware and hotel ware. 263,426; Nov. 5; Serial No. 271,300; pub-lished Aug. 20, 1929. Class 30.

Meridian Bottling Co., Inc., Meridan, Miss. Maltless bev-erages. 263,274; Nov. 5; Serial No. 286,494; published Aug. 20, 1929. Class 45.

Metal Hose & Tubing Co., Inc., Brooklyn, N. Y. Canvas-covered metal-lined rubber hose. 263,220; Nov. 5; Serial No. 262,408; published Aug. 20, 1929. Class 35.

Metropolitan Importing & Mfg. Co., New York, N. Y. All kinds of lamp shades. 263,525; Nov. 5; Serial No. 284,687; published Aug. 20, 1929. Class 34.

Meyer, A. H., doing business as Alexandria Chemical Co., Alexandria, La. Insecticide. 263,250; Nov. 5; Serial No. 285,364; published Aug. 20, 1929. Class 6.

Meyer, J. Frank, doing business as The Exhibit Supply Company, Chicago, Ill. Vending machines. 263,276; Nov. 5; Serial No. 286,376; published Aug. 20, 1929. Class 23.

Minami, H. Y., doing business as H. Y. Minami & Sons, Guadalupe, Calif. Fresh lettuce and cauliflower. 263,573; Nov. 5; Serial No. 284,989; published Aug. 27, 1929. Class 46.

Mitchell, Augusta V., Washington, D. C. Cosmetic wash, astringent, hair tonic, etc. 263,239; Nov. 5; Serial No. 286,128; published Aug. 20, 1929. Class 6.

Mittelman, I. & Company, New York, N. Y. Cotton, wool-en, silk, etc., piece goods. 263,550; Nov. 5; Serial No. 286,832; published Aug. 20, 1929. Class 42.

Monadnock Mills, Claremont, N. H. Bedspreads. 263,346; Nov. 5; Serial No. 285,218; published July 30, 1929. Class 42.

Monarch Garment Co., New York, N. Y. Coats, suits, and dresses. 263,334; Nov. 5; Serial No. 285,108; pub-lished Aug. 20, 1929. Class 39.

Moon Motor Car Company, St. Louis, Mo. Automobiles. 263,425; Nov. 5; Serial No. 274,274; published Aug. 27, 1929. Class 19.

Moore Trench Machine Company, Rockaway, N. J. Trestles and cranes, conveyors, etc. 263,467; Nov. 5; Serial No. 280,616; published Aug. 20, 1929. Class 23.

Moore, Walton N., Dry Goods Co., Inc., doing business as Funsten Knitting Co., San Francisco, Calif. Sweaters, swimming suits, knitted and woven dresses. 263,316; Nov. 5; Serial No. 283,291; published Aug. 20, 1929. Class 39.

Mortimer, George, and Company, Incorporated, Boston, Mass. Mineral oil. 263,548; Nov. 5; Serial No. 285,981; published Aug. 27, 1929. Class 6.

Moulton, George D., Boston, Mass. Cereal food drink. 263,349; Nov. 5; Serial No. 277,908; published Aug. 20, 1929. Class 46.

Muller and Raas Company, San Francisco, Calif. Hats. 263,658; Nov. 5. Class 39.

Mulvihill, John A., doing business as Ontario Ale Co., Chicago, Ill. Ginger ale. 263,664; Nov. 5. Class 45.

Mutual Fur Dyeing Co., Inc., Brooklyn, N. Y. Dyes. 263,312; Nov. 5; Serial No. 277,712; published Aug. 13, 1929. Class 6.

Naamloose Vennootschap Gevaert Photo-Producten (So-ciété Anonyme Photo-Produits Gevaert), Oude-God, Belgium. Sensitized photographic papers, plates, films, roll films, etc. 263,265-6; Nov. 5; Serial Nos. 287,150-1; published Aug. 27, 1929. Class 26.

Nagel Chase Mfg. Co., Chicago, Ill. Tobacco-ash recep-tacles. 263,326; Nov. 5; Serial No. 277,811; published Aug. 27, 1929. Class 8.

Nash-Finch Company, doing business as Finch-Winslow-Carlisle Minneapolis and Crookston, Minn. Canned vegetables, corn, cove oysters, etc. 263,305; Nov. 5; Serial No. 284,133; published Aug. 20, 1929. Class 46.

National Pressure Cooker Company, Eau Claire, Wis. Steam-pressure cookers. 263,517; Nov. 5; Serial No. 282,670; published Aug. 27, 1929. Class 13.

National Silk Dyeing Company, Paterson, N. J. Silk and rayon textile fabrics. 263,542; Nov. 5; Serial No. 286,998; published Aug. 20, 1929. Class 42.

Nature-Tread Company of Illinois, Inc., Chicago, Ill. Corn, callous, and bunion pads, etc. 263,576; Nov. 5; Serial No. 283,798; published Aug. 13, 1929. Class 44.

Nelson, Edwin W., Galesburg, Ill. Prepared sandwiches. 263,590; Nov. 5; Serial No. 283,964; published Aug. 20, 1929. Class 46.

Newton Products Company, The, Cincinnati, Ohio. Can-dies and confections. 263,568; Nov. 5; Serial No. 280,662; published Aug. 27, 1929. Class 46.

Noble & Harris, Detroit, Mich., assignor to The Edison Illuminating Company of Detroit. Electric stoves and ranges. 263,481; Nov. 5; Serial No. 283,209; published Aug. 20, 1929. Class 21.

North Metal & Chemical Co., Inc., York, Pa. Nonfreezing, noncorrosive fire-extinguishing liquid. 263,644; Nov. 5. Class 6.

Northeastern Laboratories. (See Boston Floral Supply and Snyder Company.)

O'Leary, Patrick J., Akron, Ohio. Pillows, sleeping pads, and mattresses. 263,420; Nov. 5; Serial No. 274,888; published Aug. 27, 1929. Class 32.

Ontario Ale Co. (See Mulvihill, John A.)

Opal Hosiery Mills, Philadelphia, Pa. Hosiery. 263,508; Nov. 5; Serial No. 284,817; published Aug. 20, 1929. Class 39.

Pacific Fruit Exchange, San Francisco, Calif. Fresh de-ciduous fruits. 263,406; Nov. 5; Serial No. 286,449; published Aug. 30, 1929. Class 46.

Packer Products Company, Cedar Rapids, Iowa. Tankage, hog feed, and pig meals. 263,660; Nov. 5. Class 46.

Parrott, William C., doing business as The Parrott Chemi-cal Co., New Hartford, N. Y. Insecticides and disinfect-ants. 263,232; Nov. 5; Serial No. 286,951; published Aug. 20, 1929. Class 6.

Paul, Milton, doing business as International Extract Co., New York, N. Y. Flavoring extracts. 263,500; Nov. 5; Serial No. 275,008; published Aug. 20, 1929. Class 48.

Perry, J. C. & Co., Indianapolis, Ind. Coffee. 263,595; Nov. 5; Serial No. 287,362; published Aug. 27, 1929. Class 46.

Pharmaceutical Laboratory, Inc. (See Vaillancourt, Jos-eph A.)

Phi Delta Chi Fraternity, Indianapolis, Ind. Pins and emblems. 263,258; Nov. 5; Serial No. 249,436; pub-lished Aug. 13, 1929. Class 28.

Pike Poultry Plant, McComb, Miss., and New Orleans, La. Eggs. 263,294; Nov. 5; Serial No. 286,582; published Aug. 27, 1929. Class 46.

Poff, Henry, Oklahoma City, Okla. Chili, chili mixture, and chili con carne. 263,209; Nov. 5; Serial No. 259,870; published Aug. 20, 1929. Class 46.

Pollack, Max & Co., Inc., New York, N. Y. Sewing threads. 263,593; Nov. 5; Serial No. 287,492; pub-lished Aug. 27, 1929. Class 43.

Popper, E. & Company, Inc., New York, N. Y. Cigars, little cigars, cigarettes, and manufactured tobacco. 263,545; Nov. 5; Serial No. 287,005; published Aug. 27, 1929. Class 17.

Preferred Radio Stores. (See Frank, Samuel.)

Prinft Textile Company, Inc., The, Cincinnati, Ohio. Hosi-ery and underwear. 263,356; Nov. 5; Serial No. 285,969; published July 2, 1929. Class 39.

Probak Corporation, Jersey City, N. J., and New York, N. Y. Razor blades. 263,268-70; Nov. 5; Serial Nos. 286,599-901; published Aug. 20, 1929. Class 23.

Punch-O Laboratories. (See Aronovich, Morris.)

Puyallup & Sumner Fruit Growers Association, The, Puyallup, Wash. Canned fruits and canned vegetables. 263,610; Nov. 5; Serial No. 287,007; published Aug. 20, 1929. Class 46.

Quinn, E. J., Denver, Colo. Furniture polish. 263,533; Nov. 5; Serial No. 285,960; published Aug. 20, 1929. Class 16.

Radoff Bros., Inc., Houston, Tex. Hosiery. 263,373; Nov. 5; Serial No. 286,694; published Aug. 13, 1929. Class 39.

Randall, O. R., Atlanta, Ga., assignor to "XXX" Com-pany. Maltless beverages and syrups for making the same. 263,219; Nov. 5; Serial No. 262,929; published Jan. 8, 1929. Class 45.

Rastetter, Louis & Sons, Fort Wayne, Ind. Folding chairs. 263,498; Nov. 5; Serial No. 278,987; published Aug. 20, 1929. Class 32.

Regent Company, Inc., New York, N. Y. Rompers, blouses, pajamas, etc. 263,317; Nov. 5; Serial No. 283,005; published Aug. 13, 1929. Class 39.

Regina Corporation, The, Rahway, N. J. Vacuum cleaners and floor machines and parts thereof. 263,230; Nov. 5; Serial No. 285,298; published Aug. 13, 1929. Class 21.

Reichardt Cocoa & Chocolate Co., Inc., New Brunswick, N. J. 263,408; Nov. 5; Serial No. 286,197; published Aug. 20, 1929. Class 46.

Reichmann, Frank J., Chicago, Ill. Radio receiving sets, parts thereof, etc. 263,619; Nov. 5. Class 21.

Reichold, Balthy, Brooklyn, N. Y. Table game. 263,588; Nov. 5; Serial No. 284,628; published Aug. 27, 1929. Class 22.

Rekay Company, The. (See Goldstein, Herbert.)

Hepp Orchards Products Co., Glassboro, N. J. Vinegar. 263,429; Nov. 5; Serial No. 285,531; published Aug. 20, 1929. Class 46.

Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic or chemically-prepared resins. 263,640; Nov. 5; Class 6.

Ribbon Miter Machine Company, Indianapolis, Ind. Machines for cutting designs. 263,465; Nov. 5; Serial No. 281,696; published Aug. 20, 1929. Class 23.

Roanoke Syrup Co., Inc., Roanoke, Ala. Table syrup. 263,237; Nov. 5; Serial No. 286,199; published Aug. 20, 1929. Class 46.

Robertl Bros., Los Angeles, Calif. Inner-spring mattresses. 263,471; Nov. 5; Serial No. 277,182; published Aug. 20, 1929. Class 32.

Robertson, Bolling L., doing business as Manassas Milling Co., Manassas, Va. Plain and self-rising flour. 263,575; Nov. 5; Serial No. 279,502; published Aug. 20, 1929. Class 46.

Roche, James L., Detroit, Mich. Chocolate-coated candy bars. 263,412; Nov. 5; Serial No. 285,938; published Aug. 20, 1929. Class 46.

Rockweave Mills, Division Callaway Mills, Lagrange, Ga. Woven-fabric bags. 263,506; Nov. 5; Serial No. 276,432; published Aug. 20, 1929. Class 2.

Rollinson, W. H., & Company, Incorporated, New York, N. Y. Cotton fabric. 263,382; Nov. 5; Serial No. 286,201; published Aug. 20, 1929. Class 42.

Rollinson, W. H., & Company, Incorporated, New York, N. Y. Cotton fabric. 263,388; Nov. 5; Serial No. 286,200; published Aug. 20, 1929. Class 42.

Rosedale Spring Water Co., Milwaukee, Wis. Spring waters, ginger ale, soda water. 263,654; Nov. 5; Class 45.

Roth, G. A. Mfg. Co., Hastings, Nebr. Automobile heaters. 263,515; Nov. 5; Serial No. 283,534; published Aug. 27, 1929. Class 19.

Royal and Ancient Company, Ltd., doing business as Sterling Products Company, Boston, Mass. Cereal malt beverages. 263,645; Nov. 5; Class 48.

Russell, Gadsden E., doing business as Klever Grip Company, Atlanta, Ga. Hand grips for sporting goods. 263,547; Nov. 5; Serial No. 285,986; published Aug. 27, 1929. Class 22.

Russell Manufacturing Company, The, Middletown, Conn. Luggage straps. 263,393; Nov. 5; Serial No. 286,134; published Aug. 20, 1929. Class 3.

Russell Manufacturing Company, The, Middletown, Conn. Tape. 263,394; Nov. 5; Serial No. 286,132; published Aug. 20, 1929. Class 5.

Ryan, William G., doing business as Ryan Candy Company, Dallas, Tex. Candy. 263,570; Nov. 5; Serial No. 278,260; published Aug. 27, 1929. Class 46.

St. Johns Fruit Co., Inc., Seattle, Fla. Fresh citrus fruits. 263,668; Nov. 5; Class 46.

San Carlos Canning Co., Monterey, Calif. Canned fish. 263,676; Nov. 5; Class 46.

Sanford-Oviedo Truck Growers, Inc., Sanford, Fla. Fresh vegetables. 263,611; Nov. 5; Serial No. 287,014; published Aug. 20, 1929. Class 46.

Sanitary Comb Cleaner and Sterilizer Co., Inc., Saginaw, Mich. Comb-cleaning machines. 263,623; Nov. 5; Class 23.

Sanjame Art Corporation, New York, N. Y. Scarfs and blouses. 263,333; Nov. 5; Serial No. 285,177; published Aug. 13, 1929. Class 39.

Sarhonne Laboratories. (See Engelsberg, Sue B.)

Scholes, William, & Sons, Inc., Philadelphia, Pa. Hair-felt carpet cushioning or padding material. 263,553; Nov. 5; Serial No. 285,476; published Aug. 20, 1929. Class 50.

Schrafft, W. F., & Sons Corporation, Boston, Mass. Chocolate candy. 263,493; Nov. 5; Serial No. 286,599; published Aug. 27, 1929. Class 46.

Scott, James H., doing business as J. H. Scott Company, San Francisco, Calif. Poultry and stock feed. 263,631; Nov. 5; Class 46.

Scott, Rufus W., Company, New York, N. Y. Hosiery. 263,261; Nov. 5; Serial No. 260,760; published Aug. 20, 1929. Class 39.

Scott, Rufus W., Company, New York, N. Y. Hosiery. 263,533; Nov. 5; Serial No. 286,695; published Aug. 20, 1929. Class 39.

Seaport Bag Company, Inc., Houston, Tex. Cotton sugar-bag cloth, cotton sugar-bag patches, etc. 263,319; Nov. 5; Serial No. 282,374; published Aug. 20, 1929. Class 42.

Sears & Nichols Corporation, The, doing business as Fairchild Canning Company, Chillicothe, Ohio. Canned vegetables and pork and beans. 263,492; Nov. 5; Serial No. 273,253; published Aug. 20, 1929. Class 46.

Semon Bache & Company, New York, N. Y. Plate glass. 263,599; Nov. 5; Serial No. 287,264; published Aug. 27, 1929. Class 33.

Semon Bache & Company, New York, N. Y. Mirrors. 263,600; Nov. 5; Serial No. 287,263; published Aug. 27, 1929. Class 32.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 263,604; Nov. 5; Serial No. 287,095; published Aug. 27, 1929. Class 46.

Sergeant-Pump Company, Seattle, Wash. Canned fish. 263,405; Nov. 5; Serial No. 286,455; published Aug. 20, 1929. Class 46.

Shander, Benjamin, Philadelphia, Pa. Ladies' underwear. 263,325; Nov. 5; Serial No. 277,819; published Aug. 20, 1929. Class 39.

Shapiro, Sam, Bloomfield, N. J. Hosiery. 263,449; Nov. 5; Serial No. 285,859; published Aug. 13, 1929. Class 39.

Shaw-Enochs Tractor Co., Stillwater, Minn. Road-working machinery, particularly road graders. 263,349; Nov. 5; Serial No. 284,874; published Aug. 27, 1929. Class 23.

Shepherd & Sons, Vancouver, Wash. Tanning solution. 263,249; Nov. 5; Serial No. 285,479; published Aug. 20, 1929. Class 6.

Sher, Noah P., Rochester, N. Y. Baby hammocks, golf bags and balls, etc. 263,550; Nov. 5; Serial No. 285,752; published Aug. 27, 1929. Class 22.

Silent Furnace Fan Co., Seattle, Wash. Furnace fans. 263,634; Nov. 5; Class 34.

Silver Lake Company, Newton, Mass. Cotton clotheslines. 263,532; Nov. 5; Serial No. 286,696; published Aug. 20, 1929. Class 7.

Simison, Donald S., doing business as Suniforma Co., San Diego, Calif. Candy. 263,601; Nov. 5; Serial No. 287,206; published Aug. 27, 1929. Class 46.

Simonds Saw and Steel Company, Fitchburg, Mass. 263,267; Nov. 5; Serial No. 286,958; published Aug. 20, 1929. Class 23.

Simons, Shuttleworth & French Company, Inc., New York, N. Y. Fresh deciduous fruits. 263,569; Nov. 5; Serial No. 279,688; published Aug. 27, 1929. Class 46.

Simplex Piston Ring Company of America, Inc., The, Cleveland, Ohio. Rear-view mirrors for use on automotive vehicles, etc. 263,541; Nov. 5; Serial No. 285,387; published Aug. 20, 1929. Class 19.

Sluchair Knitting Mills, Inc., New York, N. Y. Bathing suits. 263,482; Nov. 5; Serial No. 285,533; published Aug. 13, 1929. Class 39.

Sluchair Refining Company, New York, N. Y. Insecticides. 263,218; Nov. 5; Serial No. 264,739; published June 12, 1928. Class 6.

Sirwell, Graham R., Beverly Hills, Calif. Connectors. 263,480; Nov. 5; Serial No. 284,987; published Aug. 13, 1929. Class 21.

Sloan Valve Company, Chicago, Ill. Flush valves. 263,424; Nov. 5; Serial No. 274,987; published Aug. 20, 1929. Class 13.

Smith Agricultural Chemical Company, The, Columbus, Ohio. Plant foods and fertilizers. 263,653; Nov. 5.

Smith-Alsop Paint and Varnish Company, Inc., The, Terre Haute, Ind. Paint. 263,300; Nov. 5; Serial No. 286,280; published Aug. 27, 1929. Class 10.

Smith, Cal., Reedsburg, Wis. Preparation for use in the treatment of piles. 263,210; Nov. 5; Serial No. 258,602; published Aug. 13, 1929. Class 6.

Smith, E. T., Company, doing business under name of Edmunds Coffee Co., Worcester, Mass. Tea. 263,627; Nov. 5; Class 46.

Smith, Landon P., Inc., Irvington, N. J. Glazier points. 263,383; Nov. 5; Serial No. 286,209; published Aug. 20, 1929. Class 13.

Smith and Wesson, Inc., Springfield, Mass. Metallic flush valves. 263,355; Nov. 5; Serial No. 284,314; published Aug. 27, 1929. Class 13.

Societe Anonyme des Usines Renault, Billancourt, France. Automobiles and constructive parts thereof. 263,446; Nov. 5; Serial No. 285,946; published Aug. 20, 1929. Class 19.

Sofrance, Sol, doing business as Chicago Hotel & Restaurant Grocery Co., Chicago, Ill. Canned vegetables, canned shrimp and tomato catsup. 263,370; Nov. 5; Serial No. 277,554; published Aug. 20, 1929. Class 49.

Sonneborn, Henry, Company, Baltimore, Md. Suits and overcoats. 263,322; Nov. 5; Serial No. 279,305; published Aug. 13, 1929. Class 39.

Southwestern Sash & Door Co., Inc., Phoenix, Ariz. Empty boxes and crates. 263,655; Nov. 5; Class 2.

Speldel Bros., Providence, R. I. Jewelry. 263,458; Nov. 5; Serial No. 280,580; published Aug. 20, 1929. Class 28.

Spicer Aircraft Inc., Cleveland, Ohio. Pumps. 263,357; Nov. 5; Serial No. 283,916; published Aug. 27, 1929. Class 23.

Squibb, E. R., & Sons, New York, N. Y. Dental cream. 263,330; Nov. 5; Serial No. 284,372; published Aug. 20, 1929. Class 6.

Standard Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 263,224; Nov. 5; Serial No. 285,902; Aug. 13, 1929. Class 15.

Standard Oil Company, The, Cleveland, Ohio. Transformer oils and compounds. 263,225; Nov. 5; Serial No. 285,600; published Aug. 13, 1929. Class 15.

Staudinger, Chas. R., New York, N. Y. Firecrackers. 263,602; Nov. 5; Serial No. 287,161; published Aug. 27, 1929. Class 9.

Stein-Bloch Co., The, Rochester, N. Y. Men's and boys' suits and overcoats. 263,314; Nov. 5; Serial No. 284,206; published Aug. 20, 1929. Class 39.

Stein, S., & Co., New York, N. Y. Woolen goods. 263,389; Nov. 5; Serial No. 286,140; published Aug. 20, 1929. Class 42.

Sterling Products Company. (See Royal and Ancient Company, Ltd.)

Stevenson, A. G., & Co. Inc., Rochester, N. Y. Eraser-holding typewriter attachment. 263,260; Nov. 5; Serial No. 231,640; published Aug. 27, 1929. Class 23.

Stevenson, Ruth C. P., Rockcliffe Park, Ontario, Canada. Perfumes, skin creams, skin lotions, hair tonics, etc. 263,489; Nov. 5; Serial No. 276,545; published Aug. 27, 1929. Class 6.

Stevenson, Ruth C. P., Rockcliffe Park, Ontario, Canada. Perfumes, skin creams, skin lotions, hair tonics, etc. 263,490; Nov. 5; Serial No. 276,543; published Aug. 27, 1929. Class 6.

Stieff Company, The, Baltimore, Md. Toilet articles, tableware, hollow ware, and flatware. 263,616; Nov. 5; Class 28.

Stieff Company, The, Baltimore, Md. Toilet articles, tableware, hollow ware, and flatware. 263,643; Nov. 5; Class 28.

Stivers, Theo., Milling Company, Cleveland, Tenn. Wheat flour, gram flour, corn meal, etc. 263,572; Nov. 5; Serial No. 277,094; published Aug. 20, 1929. Class 46.

Stohn Bros. Inc., West New York, N. J. Textiles. 263,300; Nov. 5; Serial No. 283,472; published Aug. 27, 1929. Class 42.

Stromeyer, J., Company, Philadelphia, Pa. Syrups. 263,331; Nov. 5; Serial No. 284,316; published Aug. 20, 1929. Class 46.

Suniforma Co. (See Simison, Donald S.)

Sunnen Products Company, St. Louis, Mo. Cylinder grinders and parts thereof, valve-spring lifters, etc. 263,350; Nov. 5; Serial No. 284,702; published Aug. 27, 1929. Class 23.

Sunshine Remedies Limited, London, England. Medicines. 263,434; Nov. 5; Serial No. 285,393; published Aug. 13, 1929. Class 6.

Sussman, Wormser & Company, San Francisco, Calif. Canned fruits and vegetables. 263,404; Nov. 5; Serial No. 286,461; published Aug. 20, 1929. Class 46.

Svenska Akkumulator Aktiebolaget Jungner, Stockholm, Sweden. Electrical primary and secondary cells and storage batteries, etc. 263,361-2; Nov. 5; Serial Nos. 283,235-6; published Aug. 20, 1929. Class 21.

Swan-Finch Oil Corporation, New York, N. Y. Lubricating greases. 263,472; Nov. 5; Serial No. 284,648; published Aug. 13, 1929. Class 15.

Sylvania Products Company, Emporium, Pa. Electron radiotubes. 263,348; Nov. 5; Serial No. 284,878; published Aug. 13, 1929. Class 21.

Talkee Candy Corp., New York, N. Y. Cigarettes. 263,527; Nov. 5; Serial No. 286,906; published Aug. 27, 1929. Class 17.

Tanqueray, Gordon & Co. Limited, London, England. Gin, cocktails, shoe gin, etc. 263,635; Nov. 5; Class 49.

Tan-Rite Co. (See Lancaster, Dorothy S.)

Taylor-White Extracting Company, Camden, N. J. Liquid mordant for use in dyeing. 263,247; Nov. 5; Serial No. 285,696; published Aug. 20, 1929. Class 6.

Tempe Milling Company, The, Tempe, Ariz. Wheat flour. 263,285; Nov. 5; Serial No. 287,380; published Aug. 27, 1929. Class 46.

Tennessee Grove Company, Inc., Winterhaven, Fla. Fresh citrus fruits. 263,667; Nov. 5; Class 46.

Textone Company. (See Vernon, James R.)

Theonett & Co., Inc., Chicago, Ill. Maltless beverages, flavoring syrups, extracts, and concentrates for making the same. 263,263; Nov. 5; Serial No. 285,758; published Aug. 20, 1929. Class 45.

Tidy Products Co., New York, N. Y. Foot warmers and sleeping bags. 263,454; Nov. 5; Serial No. 285,644; published Aug. 20, 1929. Class 39.

Tilton & Keeler, Inc., New York, N. Y. Silk and cotton piece goods. 263,529; Nov. 5; Serial No. 286,842; published Aug. 20, 1929. Class 42.

Todd Display Shade Company, The, Bridgeport, Conn. Display shade. 263,469; Nov. 5; Serial No. 279,199; published Aug. 20, 1929. Class 32.

Tomato Products Company, Paoli, Ind. Food products, tomato juice, and catsup. 263,622; Nov. 5; Class 46.

Trelster-Yanow Company, Los Angeles, Calif. Riding breeches. 263,445; Nov. 5; Serial No. 285,952; published Aug. 13, 1929. Class 39.

Trenwith, Susan A., Santa Barbara, Calif. Dried fruits. 263,401; Nov. 5; Serial No. 286,963; published Aug. 20, 1929. Class 46.

Triad Manufacturing Co., Inc., Pawtucket, R. I. Electron tubes. 263,386; Nov. 5; Serial No. 282,800; published Aug. 13, 1929. Class 21.

Trump Brothers Rubber Company, The, Akron, Ohio. Pneumatic-tire casings. 263,205; Nov. 5; Serial No. 285,995; published Aug. 27, 1929. Class 35.

Trump Brothers Rubber Company, The, Akron, Ohio. Pneumatic-tire casings. 263,262; Nov. 5; Serial No. 285,994; published Aug. 20, 1929. Class 35.

Trump Brothers Rubber Company, The, Akron, Ohio. Pneumatic-tire casings. 263,281; Nov. 5; Serial No. 285,997; published Aug. 20, 1929. Class 35.

Tru-Tect Terminal Corporation, New York, N. Y. Contact terminals. 263,222; Nov. 5; Serial No. 285,838; published Aug. 20, 1929. Class 21.

Turnbow, Grover D., Oakland, Calif. Powder for giving stability and smoothness to frozen food products. 263,432; Nov. 5; Serial No. 285,428; published Aug. 20, 1929. Class 46.

Union Card & Paper Co., New York, N. Y. Paper. 263,620; Nov. 5; Class 37.

United Coffee Corporation, San Francisco, Calif. Insecticide. 263,234; Nov. 5; Serial No. 286,463; published Aug. 20, 1929. Class 6.

United Shoe Machinery Corporation, Boston, Mass. Nails and tacks. 263,378; Nov. 5; Serial No. 286,396; published Aug. 27, 1929. Class 13.

United States Electrical Manufacturing Company, Los Angeles, Calif. Electric motors. 263,208; Nov. 5; Serial No. 286,401; published Aug. 20, 1929. Class 21.

United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubberized clothing. 263,456; Nov. 5; Serial No. 285,608; published Aug. 20, 1929. Class 30.

United Textile Company, New York, N. Y. Cotton piece goods and curtains. 263,364; Nov. 5; Serial No. 281,235; published Aug. 27, 1929. Class 42.

United Tractor & Equipment Corporation, Chicago, Ill. Trailers. 263,391; Nov. 5; Serial No. 286,090; published Aug. 27, 1929. Class 19.

Universal Mills, Fort Worth, Tex. Food for poultry and livestock. 263,552; Nov. 5; Serial No. 285,847; published Aug. 27, 1929. Class 46.

Utica Cutlery Company, Utica, N. Y. Pocketknives. 263,464; Nov. 5; Serial No. 282,888; published Aug. 20, 1929. Class 23.

Vaillancourt, Joseph A., doing business as Pharmaceutical Laboratory, Inc., Chicago, Ill. Pile ointment. 263,252; Nov. 5; Serial No. 285,126; published Aug. 20, 1929. Class 6.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Titanium oxide. 263,523; Nov. 5; Serial No. 284,752; published Aug. 27, 1929. Class 16.

Vanity Fair Silk Mills, Reading, Pa. Cloth in the piece. 263,384; Nov. 5; Serial No. 286,215; published Aug. 20, 1929. Class 42.

Varn-Olfe Mfg. Co., The. (See Henry, Merwin R.)

Verano-Williams Laboratory, Welch, W. Va. Bath and antiseptic powder. 263,551; Nov. 5; Serial No. 285,541; published Aug. 27, 1929. Class 6.

Vernon, James R., doing business as Textone Company, Philadelphia, Pa. Plastic paint, texture wall and rough plaster finish. 263,540; Nov. 5; Serial No. 285,401; published Aug. 20, 1929. Class 16.

Vigdor and Flamm, New York, N. Y. Frocks. 263,531; Nov. 5; Serial No. 286,808; published Aug. 20, 1929. Class 39.

Virginia Maid Hosiery Mills Inc., Pulaski, Va. Hosiery. 263,377; Nov. 5; Serial No. 286,402; published Aug. 13, 1929. Class 39.

Walsh, W. A., doing business as Malt-Zyme, Long Island City, N. Y. Fruit-flavored castor oil and fruit-flavored cod-liver oil. 263,659; Nov. 5; Class 6.

Wanamaker, John, New York, New York, N. Y. Pottery, crockery, earthenware, and porcelain. 263,526; Nov. 5; Serial No. 286,908; published Aug. 20, 1929. Class 30.

Warner-Quinlan Company, New York, N. Y. Lubricating oil and fuel. 263,475; Nov. 5; Serial No. 284,431; published Aug. 13, 1929. Class 15.

Watson, Angus & Co. (America) Limited, San Francisco, Calif. Canned sardines. 263,567; Nov. 5; Serial No. 281,931; published Aug. 20, 1929. Class 46.

Webb, Charles J., & Company, Philadelphia, Pa. Soft padded jacket and sling. 263,647; Nov. 5; Class 50.

Wette-Mignon Corporation, assignor, by mesne assignments, to Wette-Mignon Corporation, New York, N. Y. Planos. 263,255-6; Nov. 5; Serial Nos. 252,134-5; published Aug. 13, 1929. Class 36.

Western States Mfg. Co., Sioux City, Iowa. Special non-freezing cement. 263,419; Nov. 5; Serial No. 275,199; published Feb. 5, 1929. Class 5.

White, R. H., Company, Boston, Mass. Coats, vests, and pants. 263,451; Nov. 5; Serial No. 285,760; published Aug. 20, 1929. Class 39.

White, Samuel F., Jr., doing business as Electrical Equipment Company, Chicago, Ill. Battery chargers, welders, and electrical floor openers. 263,478; Nov. 5; Serial No. 284,212; published Aug. 13, 1929. Class 21.

Whitman & Barnes, Inc., Detroit, Mich. Arbors, bits, center reamers, etc. 263,462; Nov. 5; Serial No. 284,711; published Aug. 20, 1929. Class 23.

Whitox Chemical Co. (See Fazio, Stephen.)

Wichmann, John C., Greenville, S. C. Chemical solution. 263,308; Nov. 5; Serial No. 283,477; published Aug. 20, 1929. Class 6.

Williams, Sol, Co. Incorporated, Covington, Ky. Suits, overcoats, topcoats, etc. 263,374; Nov. 5; Serial No. 286,611; published Aug. 13, 1929. Class 39.

Wilson Brothers, Chicago, Ill. Shirts, etc. 263,625; Nov. 5; Class 39.

Wood Cabinet Corporation, New York, N. Y. Wood cabinets intended to contain radio sets and speakers. 263,207; Nov. 5; Serial No. 286,002; published Aug. 27, 1929. Class 32.

Woodbridge Fruit Growers Association, Woodbridge, Calif. Fresh grapes. 263,603; Nov. 5; Serial No. 287,099; published Aug. 27, 1929. Class 46.

Woonsocket Machine & Press Company, Incorporated, Woonsocket, R. I. Textile machinery. 263,501; Nov. 5; Serial No. 269,927; published Aug. 27, 1929. Class 23.

Worcester Lawn Mower Company, Worcester, Mass. Lawn mowers. 263,598; Nov. 5; Serial No. 287,272; published Aug. 27, 1929. Class 23.

Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Tonic, stimulant reconstructive. 263,236; Nov. 5; Serial No. 286,403; published Aug. 20, 1929. Class 6.

"XXX" Company. (See Randall, O. R., assignor.)

Young, Josephine B., Los Angeles, Calif. Infants' napkin protectors. 263,514; Nov. 5; Serial No. 283,641; published Aug. 20, 1929. Class 39.

Young Specialty Co., Milwaukee, Wis. Incinerators. 263,628; Nov. 5; Class 13.

Zakus Bakery, The, Atlanta, Ga. Bread. 263,624; Nov. 5; Class 46.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

Angonosa, A., Inc., New York, N. Y. Angonosa's Bread Sticks. For Bread Sticks. 36,573; Nov. 5.
Braun Bros. & Co., Pittsburgh, Pa. Ready Sliced Wheat King. For Bread. 36,574; Nov. 5.
Burnex Products, Inc., New York, N. Y. Gad Caps. For Capsules for Colds, Neuralgia, and Headaches. 36,575; Nov. 5.
Cascariol Laboratories. (See McEvoy, Edward.)
Castro, John, Los Angeles, Calif. Roman Spear. For Potatoes in Their Natural State. 36,576; Nov. 5.
Co-Ed Knitting Mills, Philadelphia, Pa. Co-Ed. For Ladies' and Misses' Hosiery. 36,577; Nov. 5.
Continental Pure Products Co., New York, N. Y. Reichsweh Malt Syrup. For Barley-Malt Extract. 36,578; Nov. 5.
Exeter Citrus Association, Exeter, Calif. Orbit. For Fresh Oranges. 36,579; Nov. 5.
Fredkin, George, doing business as Metropolitan Polish Co., Los Angeles, Calif. Metro. For Automobile and Furniture Polish. 36,580; Nov. 5.
Graham, Robert C., doing business as Graham Farms, Washington, Ind. Graham Farms. For Butter. 36,581; Nov. 5.
Grether & Grether, Inc., Los Angeles, Calif. All Year Frocks. For Wash Dresses for Women. 36,582; Nov. 5.
McEvoy, Edward, doing business under the name of Cascariol Laboratories, Brooklyn, N. Y. Cascariol. For a Medicinal Preparation. 36,583; Nov. 5.
Metropolitan Polish Co. (See Fredkin, George.)
Northern Illinois Cereal Company, Lockport, Ill. Bowl-O. For Rolled Oats. 36,584; Nov. 5.
Probak Corporation, Jersey City, N. J., and New York, N. Y. Probak Razor. For Safety Razors. 36,585; Nov. 5.
Smart & Final Co., Wilmington, Calif. Table King. For Canned Pineapple. 36,586; Nov. 5.
Southwestern Packing Co., Inc., The, Phoenix, Ariz. Kanna Puppy Food. For Prepared Food of Meat, Oil, Milk, and Cereals for Puppies. 36,587; Nov. 5.
Southwestern Packing Co., Inc., The, Phoenix, Ariz. Kanna Cat Food. For Prepared Food of Meat, Fish, Milk, and Cereals for Cats. 36,588; Nov. 5.
Stange, Wm. J., Co., Chicago, Ill. Dry Essence of Natural Spices. For Spices. 36,589; Nov. 5.
Sun-Maid Raisin Growers of California, Fresno, Calif. Sun-Maid Figs. For Canned Figs. 36,590; Nov. 5.
Vegetable Products Corporation, Los Angeles, Calif. Vegetized. For Macaroni. 36,591; Nov. 5.
Vita Dry, Inc., Cleveland, Ohio. Vita Dry. For Ginger Ale. 36,592; Nov. 5.
Vitality Food Products Corp., West Orange, N. J. Vitality. For Honey-Fruit Cereal. 36,593; Nov. 5.
Zetex Corporation, The, Seattle, Wash. Travelaid. For Toilet-Seat Covers. 36,594; Nov. 5.
Zinsmaster, M., Des Moines, Iowa. Zinsmaster's Sliced Loaf. For Bread. 36,595; Nov. 5.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

Balkett Radio Company, North Chicago, Ill. Map of Balkett Radio World. For Radios. 12,167; Nov. 5.
Balkett Radio Company, North Chicago, Ill. Distance. For Radios. 12,168; Nov. 5.
Balkett Radio Company, North Chicago, Ill. New and Uniform Radio Reach. For Radios. 12,169; Nov. 5.
Balkett Radio Company, North Chicago, Ill. Adventure. For Radios. 12,170; Nov. 5.
Crosman Seed Co., Inc., East Rochester, N. Y. You too Will Like Crosman Seeds. For Seeds. 12,171; Nov. 5.
La Touraine Co., Inc., New York, N. Y. La Touraine. For Cheese Wafers. 12,172; Nov. 5.
Munsingwear Corporation, Chicago, Ill. Munsingwear For Your Health, Gentleman! For Underwear. 12,173; Nov. 5.
Paramount Petroleum Company, Kansas City, Mo. Petroleum Products. For Petroleum Products. 12,174; Nov. 5.
Ward Baking Company, New York, N. Y. Tip-Top Bread. For Bread. 12,175; Nov. 5.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aerial Insulator Co., Inc., Green Bay, Wis. Radioantenna and combined ornamental lamp. 271,869; Nov. 5. Class 21.
Allen & Allen, Inc., Providence, R. I. Chemicals for dyeing, bleaching, etc. 289,433; Nov. 5. Class 6.
Allied Die-Casting Corporation, Long Island City, N. Y. Die castings and die-casting metal. 289,933; Nov. 5. Class 14.
Alligator Company, The, St. Louis, Mo. Waterproof protectors of the legging type. 288,147; Nov. 5. Class 39.
Amalgamated Dental Company, Ltd., The, London, England. Dental impression trays. 286,469; Nov. 5. Class 44.
American Beauty Denture Company, The. (See Stehley, Roszel A.)
American Chinaware Corp., Cleveland, Ohio. Plates, dishes, platters, cups. 288,950; Nov. 5. Class 30.
American College of Physicians, The, Philadelphia, Pa. Medical journal. 290,204; Nov. 5. Class 38.
Applied Research, Inc., Chicago, Ill. Ultra-violet and therapeutic lamps. 289,261; Nov. 5. Class 44.
Arrowhead Springs Beverage Co., Los Angeles, Calif. Beverage. 286,411; Nov. 5. Class 45.
Asher, James J., doing business as The Creem-O-La Company, Detroit, Mich. Dessert powders and pie fillings. 280,683; Nov. 5. Class 46.
Associated Apparel Industries, Inc., Chicago, Ill. Corsets, brassieres, and combinations of corsets and/or brassieres. 278,733; Nov. 5. Class 39.
Atmore & Son, Inc., Philadelphia, Pa. Fruit jellies, jams and preserves, vinegar, etc. 266,453; Nov. 5. Class 46.
Baker, Geo., & Sons, Inc., Brockton, Mass. Tacks. 289,172; Nov. 5. Class 13.
Balfour Guthrie & Co., San Francisco, Calif. Firecrackers. 289,494; Nov. 5. Class 9.
Baritone Manufacturing Company, Chicago, Ill. Loud-speakers, radio receiving sets, and switches. 287,037; Nov. 5. Class 21.
Barker Bros. Incorporated, Los Angeles, Calif. Stoves, gas-actuated space-heating appliances, gas-actuated hot-water heaters. 288,370; Nov. 5. Class 34.
Barksdale, Irving S., Greenville, S. C. Preparation for the reduction of blood pressure. 288,313; Nov. 5. Class 6.
Bausch & Lomb Optical Company, Rochester, N. Y. Cases for spectacles and eyeglasses. 289,780; Nov. 5. Class 2.
Behrendt, Adele M., San Antonio, Tex. Vegetable-oil preparation. 288,544; Nov. 5. Class 4.
Binder, Joseph D., doing business as J. B. Paper Co., Pittsfield, Mass. Malt syrup. 289,914; Nov. 5. Class 46.
Blackwood Coal & Coke Company, Philadelphia, Pa. Coal. 289,437; Nov. 5. Class 1.
Blackwood Coal & Coke Company, Philadelphia, Pa. Coal. 289,567; Nov. 5. Class 1.
Blaine, George C., New York, N. Y. Deodorant. 290,053; Nov. 5. Class 6.
Blossoms Art Company, Merriam, Kans. Books, music, and mottoes. 287,557; Nov. 5. Class 38.
Bond Stores, Incorporated, New York, N. Y. Overcoats, coats, trousers, etc. 288,839; Nov. 5. Class 39.
Bordentown Dairy Company, Bordentown, N. J. Sour cream. 277,045; Nov. 5. Class 46.
Borce, William E., doing business as Boyce Natural Health Society, New York, N. Y. Medicinal herbs. 284,287; Nov. 5. Class 6.
Brach, E. J., & Sons, Chicago, Ill. Periodical. 289,096; Nov. 5. Class 38.
Bradford Dyers' Association, Limited, The, Bradford, England. Woolen piece goods. 289,438; Nov. 5. Class 42.
Bradford Dyers' Association, Limited, The, Bradford, England. Woolen piece goods. 289,440; Nov. 5. Class 42.
Braeburn of Rochester, Inc., Rochester, N. Y. Men's outer suits, coats, vests, etc. 295,190; Nov. 5. Class 39.
Brauer, Carl Fr., Gesellschaft mit beschraenkter Haftung, Stettin, Germany. Japanese fibrous paper, wax stencil sheets, etc. 282,394; Nov. 5. Class 37.
Brecklein, Hugo, & Son, Kansas City, Mo. Antiseptic. 290,238; Nov. 5. Class 6.
Brittains, Limited, Cheddleton, England. Tissue paper. 286,023-24; Nov. 5. Class 37.
Brody Novelty Candy Pkge. Co., Inc., New York, N. Y. Candy. 289,062; Nov. 5. Class 46.
Brokaw Brothers, New York, N. Y. Suits, overcoats, and sport suits. 289,818; Nov. 5. Class 39.
Burgess Battery Company, Madison, Wis. Electric batteries. 289,571; Nov. 5. Class 21.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Byrne and Hammer Dry Goods Company, Omaha, Nebr. Overalls, work pants, jackets, and shirts. 288,270; Nov. 5. Class 39.
California Fruit Growers Exchange. (See Exchange Orange Products Company, The, assignor.)
California-Oregon Paper Mills, Los Angeles, Calif. Wrapping and tray paper. 268,210; Nov. 5. Class 37.
Calvert-Hatch Co., The, Cleveland, Ohio. Magazine. 279,985; Nov. 5. Class 38.
Cambridge Nestle's Equipment Co. (See Nestle Products Co., Inc.)
Campbell Holton & Co., Bloomington, Ill. Canned peas. 289,388; Nov. 5. Class 46.
Casanova Hats, Inc., New York, N. Y. Ladies' and women's hats. 288,177; Nov. 5. Class 39.
Casein Manufacturing Company of America, Inc., The, Wilmington, Del. Glue. 289,308; Nov. 5. Class 5.
Celanese Corporation of America, New York, N. Y. Nile fabrics. 273,361; Nov. 5. Class 42.
Celotex Company, The, Chicago, Ill. Composition of material for wall boards, plaster bases, etc. 287,045; Nov. 5. Class 12.
Central Wisconsin Canneries, Beaver Dam, Wis. Canned peas. 286,831; Nov. 5. Class 46.
Chase Candy Company, St. Joseph, Mo. Candy. 290,339; Nov. 5. Class 46.
Chase & Company, Orlando, Fla. Fresh citrus fruits and vegetables. 285,487; Nov. 5. Class 5.
Chernick, Israel D., New York, N. Y. Jewelry. 289,064; Nov. 5. Class 28.
Chicago Mill and Lumber Corporation, Chicago, Ill. Fibre boards. 289,506; Nov. 5. Class 12.
Clark, Katherine A., New York, N. Y. Candy laxative. 289,961; Nov. 5. Class 6.
Climax Cleaner Manufacturing Company, The, Cleveland, Ohio. Paints, varnishes, putty and seam compounds, etc. 281,269; Nov. 5. Class 16.
Clio et Claire, Ltd., Inc., New York, N. Y. Astringents, bleach creams, beauty creams, etc. 290,116; Nov. 5. Class 6.
Cloes, Albert P., & Co., Inc., Seattle, Wash. Books for accounting and bookkeeping systems. 284,923; Nov. 5. Class 37.
Code, Wm. E. M. D., Chicago, Ill. Rubber and composition balls. 286,741; Nov. 5. Class 22.
Cohn, Samuel, & Bro., doing business as Crackerjack Products Co., Hazleton, Pa. Malt syrup. 289,918; Nov. 5. Class 46.
Collins, C. C., Company, Santa Ana, Calif. Dried apricots, peaches, pears, and prunes. 277,944; Nov. 5. Class 48.
Color-Craft Chemicals Corporation, New York, N. Y. Aniline dye colors and dipping dye colors. 279,913; Nov. 5. Class 6.
Columbus Canning Co., The, Columbus, Wis. Canned vegetables, fruits, fish, etc. 283,086; Nov. 5. Class 46.
Continuous Torque Transmission Company, Cleveland, Ohio. Wheel and axle attachments and frame extensions for road trucks. 287,120; Nov. 5. Class 19.
Converse Rubber Company, Malden, Mass. Boots and shoes. 288,695; Nov. 5. Class 39.
Corn Products Refining Company, New York, N. Y. Pure vegetable fat. 288,373; Nov. 5. Class 46.
Cosmique Laboratories, Inc., doing business as Dixie Belle Laboratories, Memphis, Tenn. Hair tonic, hairdressing, skin bleach, etc. 288,228; Nov. 5. Class 6.
Cowan, J. G., Modesto, Calif. Fresh Persian melons. 287,740; Nov. 5. Class 46.
Crackerjack Products Co. (See Cohn, Samuel A., & Bro.)
Creem-O-La Company. (See Asher, James J.)
"Cristallo" A.-G., Thun, Switzerland. Preparation for stimulating metabolism. 289,902; Nov. 5. Class 6.
"Cristallo" A.-G., Thun, Switzerland. Preparation for stimulating metabolism. 289,965; Nov. 5. Class 6.
Curtis, Stewart, Packers, Inc., Los Angeles and Long Beach, Calif. Canned vegetables. 288,820; Nov. 5. Class 46.
Curtiss Candy Company, The, Chicago, Ill. Salted peanuts. 289,449; Nov. 5. Class 46.
Daily Running Horse, Inc., New York, N. Y. Column in a daily publication. 289,340; Nov. 5. Class 38.
Damm, Max, Company, Inc., Newark, N. J. Sample cases and brief cases. 286,831; Nov. 5. Class 3.
Darnee, Inc., New York, N. Y. Toilet soap. 289,450; Nov. 5. Class 4.
Datzit Chemical Co. (See Goldbaum, William B.)
De Mott, Jerome, doing business as Ma-Phe-O-Laboratories, New York, N. Y. Inhalant. 290,012; Nov. 5. Class 6.
Design-O-Graph Limited, The, Toronto, Ontario, Canada, and Boston, Mass. Geometrical toys. 281,548; Nov. 5. Class 22.
Deutsche Werke Kiel Aktiengesellschaft, Kiel, Germany. Engines, locomotives, machinery bearings, etc. 288,149; Nov. 5. Class 23.
Dilling & Company, Indianapolis, Ind. Candy. 288,644; Nov. 5. Class 46.
Dilling & Company, Indianapolis, Ind. Candy. 289,101; Nov. 5. Class 46.
Dixie Belle Laboratories. (See Cosmique Laboratories, Inc.)
Donette Pastry Cream Company. (See Stanley, Ira M.)
Dounson, James, New Orleans, La. Toilet cream. 285,152; Nov. 5. Class 6.
Dousse, Auguste, Lyon, France. Cleaner. 287,178; Nov. 5. Class 4.
Dow, Louis F., Co., St. Paul, Minn. Pencils, memo books, paper weights, etc. 284,030; Nov. 5. Class 37.
Eagle, C. K., & Company, Inc., New York, N. Y. Silk piece goods. 290,176; Nov. 5. Class 42.
Eagles & Sutton, Burbank, Calif. Preparation for the treatment of the hair. 271,926; Nov. 5. Class 6.
Electrad, Inc., New York, N. Y. Variable resistances. 268,918; Nov. 5. Class 21.
Electrolux, Inc., New York, N. Y. Electrically-driven household appliances. 270,284; Nov. 5. Class 21.
Em-May, Incorporated, St. Louis, Mo. Footwear. 289,267; Nov. 5. Class 38.
Esmond Dairy Company, The, Sandusky, Ohio. Chocolate drink. 280,189; Nov. 5. Class 46.
Essex Rubber Company Inc., Trenton, N. J. Soles and heels for boots and shoes. 288,498; Nov. 5. Class 39.
Exchange Orange Products Company, The, Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Fruit pectin, pectin solutions, canned citrus peel, etc. 271,690; Nov. 5. Class 46.
F & M Products Co. (See Fuchs & Marcus.)
Fabrikken Tomten Alex, Lagerman Jr. Aktiebolag, Gottenborg, Sweden. Flycatchers and insect catchers. 286,164; Nov. 5. Class 50.
Filene's, Wm., Sons Company, Boston, Mass. Salt and pepper shakers, dishes, trays, etc. 289,717; Nov. 5. Class 30.
Filene's, Wm., Sons Company, Boston, Mass. Soaps and shoe polish. 289,728; Nov. 5. Class 4.
Filene's, Wm., Sons Company, Boston, Mass. Ornaments, bottles, flowers, etc. 289,735; Nov. 5. Class 33.
Filene's, Wm., Sons Company, Boston, Mass. Writing pads and paper, pen points, pencils, etc. 289,738; Nov. 5. Class 37.
Filene's, Wm., Sons Company, Boston, Mass. Football canes, parasols, umbrellas. 289,740; Nov. 5. Class 41.
Fisher, Jacob, New York, N. Y. Finished cotton and silk and cotton piece goods. 276,569; Nov. 5. Class 42.
Fluid-d'Or Company Limited, The, Winnipeg, Manitoba, Canada. Chemical preparation. 286,733; Nov. 5. Class 6.
Fontaine, Arthur B., doing business as Neugent Garment Co. Mfrs., Green Bay, Wis. Vests. 289,579; Nov. 5. Class 39.
Ford Gum Company, The, Camp Hill and Harrisburg, Pa. Chewing gum. 287,403; Nov. 5. Class 46.
Ford Motor Company, Fordson, Mich. Drive chains, bolts, screws, etc. 270,581; Nov. 5. Class 13.
Ford Motor Company, Fordson, Mich. Vehicle gasoline tanks, shackles, tire carriers, axle shafts, etc. 270,583; Nov. 5. Class 19.
Forstmann & Hoffmann Company, Passaic, N. J. Woolen piece goods. 282,293; Nov. 5. Class 42.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper. 289,621; Nov. 5. Class 37.
Fuchs & Marcus, doing business as F & M Products Co., New York, N. Y. Facial creams. 289,743; Nov. 5. Class 6.
Garin, H. P., Co., San Francisco, Calif. Fresh deciduous fruits, fresh vegetables. 289,580; Nov. 5. Class 48.
Gehring Publishing Co., New York, N. Y. Magazine. 289,582; Nov. 5. Class 38.
Gemex Company, Newark, N. J. Watch bracelets, and straps, neck chains, scarf pins, etc. 289,012-14; Nov. 5. Class 28.
General Baking Company, New York, N. Y. Bread, rolls, cookies, etc. 275,216; Nov. 5. Class 46.
Gillette, Lewis W., Pittsburgh, Pa. Shaving cream. 286,241; Nov. 5. Class 4.
Goldbaum, William B., doing business as Datzit Chemical Co., New York, N. Y. Chemical preparation. 289,149; Nov. 5. Class 6.
Goldberg & Josephson, Inc., New York, N. Y. Dresses, gowns, and wraps. 281,419; Nov. 5. Class 39.
Gold Bond Sterilizing Powder Co., Inc., Fairhaven, Mass. Toilet powder. 289,439; Nov. 5. Class 6.
Gotham Tissue Corporation, Bronx, N. Y. Toilet paper and paper facial tissues. 289,107-8; Nov. 5. Class 37.
Grady-Travers Company, New York, N. Y. Rope and twine. 290,064; Nov. 5. Class 7.
Gray Line, Inc., The, Baltimore, Md. Toy automobiles. 273,635; Nov. 5. Class 22.
Haldeman, Wellington W., doing business as Northern Laboratories, Minneapolis, Minn. Electric heaters for medicinal liquid preparations. 287,818; Nov. 5. Class 44.
Halliwell-Shelton Electric Corporation, New York, N. Y. Electric hair driers. 290,364; Nov. 5. Class 44.
Hamley & Company, Pendleton, Oreg. Stock saddles, breast collars, holsters, etc. 282,855; Nov. 5. Class 3.
Hamwi, Ernest, St. Louis, Mo. Ice-cream cones. 288,854; Nov. 5. Class 46.
Harrie, Henry E., Boston, Mass. Postage stamps for collections. 288,539; Nov. 5. Class 38.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Haskell Manufacturing Corporation, Chicago, Ill. Embossed wooden panels. 289,516; Nov. 5. Class 12.
 Haslin Mills. (See Meyer, Emile, & Co.)
 Health Products Corporation. (See Nalle, William C., assignor.)
 Hearn, Jas. A., & Son Inc., New York, N. Y. Bloomers and waists and skirts. 271,119; Nov. 5. Class 39.
 Hill Brick Company, East St. Louis, Ill. Brick. 280,607; Nov. 5. Class 12.
 Holden-Leonard Company, New York, N. Y. Worsteds and woolen textile fabrics. 290,366; Nov. 5. Class 42.
 Huerfano Drug Co., The, Walsenburg, Colo. Hand lotion. 288,287; Nov. 5. Class 6.
 Hurst, Roy R., doing business as Hurst-Root Co., Salem, Oreg. Fresh deciduous fruits and vegetables. 284,466; Nov. 5. Class 46.
 Hynes & Cox Electric Corporation, Albany, N. Y. Electrical domestic water heaters. 272,493; Nov. 5. Class 34.
 I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Nitrocellulose lacquers and driers, varnishes, enamels, etc. 287,805; Nov. 5. Class 16.
 Independent Gravel Company, Joplin, Mo. Crushed limestone grit for poultry. 287,615-6; Nov. 5. Class 1.
 Indiana Steel & Wire Company, Muncie, Ind. Galvanized wire. 289,279; Nov. 5. Class 14.
 Institute for the Crippled and Disabled, New York, N. Y. Publication. 286,174; Nov. 5. Class 38.
 Insulite Company, The, International Falls and Minneapolis, Minn. Fibre composition board, roof lap and wall, etc. 285,713; Nov. 5. Class 12.
 Intravenous Products Co. of America, Inc., New York, N. Y. General tonic builder. 290,180; Nov. 5. Class 6.
 J. B. Paper Co. (See Binder, Joseph D.)
 Johnson, Abe, Waterbury, Conn. Face powder, lip stick, rouges, etc. 287,929; Nov. 5. Class 6.
 Kohloff, Paul, Mamaroneck, N. Y. Paper cartons. 289,941; Nov. 5. Class 2.
 Krauss Company, Ltd., New Orleans, La. Misses' and children's hats. 288,477; Nov. 5. Class 39.
 Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Charcoal and lawn seed. 288,132; Nov. 5. Class 1.
 Lake Region Packing Association, Tavares, Fla. Fresh citrus fruits. 289,524; Nov. 5. Class 46.
 Lapres, Theo. J., Inc., Atlantic City, N. J. Salt-water taffy. 287,708; Nov. 5. Class 46.
 Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Heat-insulating material. 272,107; Nov. 5. Class 12.
 La Valle, Inc., New York, N. Y. Ladies' shoes. 287,968; Nov. 5. Class 39.
 Lee, H. D., Mercantile Company, The, Salina, Kans., and Kansas City, Mo. Pop corn. 289,926; Nov. 5. Class 46.
 Legett, Francis H., & Company, New York, N. Y. Canned vegetables. 242,062; Nov. 5. Class 46.
 Lejkowski, Stanley, doing business as The Stanley Lejkowski Company, New Britain, Conn. Varnishes and stains. 265,550; Nov. 5. Class 16.
 Lesel Products Company, Chicago, Ill. Infants' retaining blankets having an opening for the head. 238,658; Nov. 5. Class 39.
 Lloyd, W. H. S. Co., Inc., New York, N. Y. Wall paper. 285,360; Nov. 5. Class 37.
 Lone Star Gas Company, Dallas, Tex. Liquefied natural gas. 288,712; Nov. 5. Class 6.
 Lowrie, James W., Chicago, Ill. Magazine. 287,353; Nov. 5. Class 38.
 Mannington Mills, Incorporated, Salem, N. J. Stencilled felt base rugs and floor coverings. 287,709; Nov. 5. Class 20.
 Ma-Phe-Ol Laboratories. (See De Mott, Jerome.)
 Marathon Rubber Products, Inc., Wausau, Wis. Fabrics. 289,635; Nov. 5. Class 50.
 Margolin, Joseph, doing business as Willdoo Exterminating Products Co., Bayonne, N. J. Roach powder, rodent destroyer, liquid insect killer, etc. 290,075; Nov. 5. Class 6.
 Marshall Field & Company, Chicago, Ill. Toilet soap. 289,826; Nov. 5. Class 4.
 Martini, Herbert E., doing business as The Martini Artists Color Laboratories, Long Island City, N. Y. Practical painting sets. 287,085; Nov. 5. Class 16.
 Mason, Au & Magenhelm Confectionery Manufacturing Company, Brooklyn, N. Y. Beverages. 289,122; Nov. 5. Class 45.
 Massillon Refractories Company, The, Tuscarawas Township, Stark County, Ohio. Electric research furnaces, electric research-furnace doors, electric laboratory furnaces and doors, etc. 286,440; Nov. 5. Class 21.
 May, Walter L., doing business as Ruthine Laboratories, Alameda, Calif. Tissue oil. 290,076; Nov. 5. Class 6.
 McCrory Stores Corporation, New York, N. Y. Ladies' hosiery. 288,756-7; Nov. 5. Class 39.
 Merit Manufacturing Company. (See Parker, Elgin R.)
 Meyer, Emile, & Co., doing business as Haslin Mills, New York, N. Y. Cotton-piece goods. 290,187; Nov. 5. Class 42.
 Milburn, Charles H., doing business as Moskito Flyer Airplane Company, New York, N. Y. Toy airplanes and parts and kits of associated parts. 287,355; Nov. 5. Class 22.
 Mitchell, Allen R., & Son, Philadelphia, Pa. Textile goods. 290,140; Nov. 5. Class 42.

Monsanto Chemical Works, St. Louis, Mo. Resinous condensation products. 285,291; Nov. 5. Class 1.
 Montreal Malt Products Co. (See Wolman, Samuel.)
 Moskito Flyer Airplane Company. (See Milburn, Charles H.)
 Mountain Cross Granite Company, The. (See Stonehenge Granite Company.)
 Murray Ohio Manufacturing Company, The, Cleveland, Ohio. Wheeled toy vehicles. 289,410; Nov. 5. Class 22.
 Naamloze Vennootschap Droste's Cacao en Chocolade-fabrieken, Haarlem, Netherlands. Toffees and a sugar candy. 281,226; Nov. 5. Class 46.
 Nalle, William C., Washington, D. C. assignor to Health Products Corporation, Newark, N. J. Chewing gum. 271,498; Nov. 5. Class 6.
 Nestle Products Co., Inc., doing business as Cambridge Nestle's Equipment Co., New York, N. Y. Cotton sheets, towels, spreads, etc. 283,511; Nov. 5. Class 42.
 Neugent Garment Co. Mfrs. (See Fontaine, Arthur R.)
 Niblett-Jeffries Corporation, New York, N. Y. Golf balls. 289,688; Nov. 5. Class 22.
 Nite-Glo Chemical Co. (See Porteous, Walter A.)
 Northern Laboratories. (See Haldeman, Wellington W.)
 Outlet Company, The, Providence, R. I. Men's clothing. 288,866; Nov. 5. Class 39.
 Owen, F. A., Publishing Co., Danville, N. Y. Periodicals. 285,226; Nov. 5. Class 38.
 Owens, Henry W., Gainesville, Fla. Preparation used in the treatment for hog cholera. 287,623; Nov. 5. Class 6.
 Pain-O-Caps Co., The. (See Stein, Louis S.)
 Parker, Elgin R., doing business as Merit Manufacturing Company, Los Angeles, Calif. Gas-burning water heaters. 286,529; Nov. 5. Class 34.
 Patterson-Sargent Company, The, Cleveland, Ohio. Varnishes and paint enamels. 272,346; Nov. 5. Class 16.
 Peek Frean & Co. Ltd., London, England. Biscuits. 289,083; Nov. 5. Class 46.
 Penton Publishing Company, The, Cleveland, Ohio. Annual marine directory. 289,289; Nov. 5. Class 38.
 Peppard, J. G., Seed Company, The, Kansas City, Mo. Seed. 289,365; Nov. 5. Class 1.
 Perfex Electric Company, Toledo, Ohio. Electrotherapeutic lamps and parts thereof. 287,933; Nov. 5. Class 44.
 Pfeiffer Manufacturing Co., Milwaukee, Wis. Therapeutic electric lamps and housings therefor. 287,716; Nov. 5. Class 44.
 Phelan Grocery Company, Beaumont, Tex. Coffee. 286,951; Nov. 5. Class 46.
 Philadelphia Seed Company, Philadelphia, Pa. Tonic for poultry. 287,543; Nov. 5. Class 6.
 Pittsman & Davis, Harlingen, Tex. Citrus fruits and vegetables. 278,437; Nov. 5. Class 46.
 Porteous, Walter A., doing business as Nite-Glo Chemical Co., Philadelphia, Pa. Luminous paint. 290,376; Nov. 5. Class 16.
 Pucella, J., & Co., Boston, Mass. Olive Oil. 289,321; Nov. 5. Class 46.
 R. & G. Corset Co., Inc., New York, N. Y. Lady's fitted undergarment. 285,471; Nov. 5. Class 39.
 Raizis, George S., Athens, Greece. Medicine for treating malaria. 288,153; Nov. 5. Class 6.
 Rastetter, Louis, & Sons, Fort Wayne, Ind. Folding chairs. 279,683; Nov. 5. Class 32.
 Republic Brass Corporation, New York, N. Y. Nonferrous metals and alloys. 290,106; Nov. 5. Class 14.
 Richmond-Chase Company, San Jose, Calif. Canned fruits. 259,078; Nov. 5. Class 46.
 Richmond-Chase Company, San Jose, Calif. Canned fruits. 259,081; Nov. 5. Class 46.
 Robinson, W. H., & Company, Incorporated, New York, N. Y. Cotton fabric. 289,206; Nov. 5. Class 42.
 Ronan, T. J., Co. Inc., Brooklyn, N. Y. Lacquers, paint enamels, and thinners. 278,363; Nov. 5. Class 16.
 Rosso, Felice, Genoa, Italy. Canned mushrooms. 278,811; Nov. 5. Class 46.
 Ruthine Laboratories. (See May, Walter L.)
 Rutledge, C. O., doing business as Rutledge Potato Chip Co., Fort Worth, Tex. Fried potato chips. 290,090; Nov. 5. Class 46.
 Sanderson, Frank, Topeka, Kans. Preparation for piles. 288,621; Nov. 5. Class 6.
 Sapollin Co. Inc., New York, N. Y. Surface-finishing preparations. 289,207; Nov. 5. Class 16.
 Schuelder-Bros. Co., Mount Carmel, Pa. Canned fruits, vegetables, and coffee. 273,073; Nov. 5. Class 46.
 Schwartz, Herman B., and Arthur E. Axelsson, Portland, Oreg. Candy. 275,597; Nov. 5. Class 46.
 Seeck & Kade, Inc., New York, N. Y. Medicinal preparation. 284,748; Nov. 5. Class 6.
 Sharit Chemical Co. Inc., New York, N. Y. Medicinal antiseptics. 289,947; Nov. 5. Class 6.
 Societe Anonyme de Produits Chimiques Industriels et Viticoles, Paris, France. Chemical product. 290,038; Nov. 5. Class 6.
 Societe de Produits Chimiques Cerioma, Paris, France. Rare earth compound. 285,133; Nov. 5. Class 6.
 Society of Chemical Industry in Basle, Basel, Switzerland. Local anesthetic. 290,274; Nov. 5. Class 6.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Specialty Envelope Company, Newport, Ky. Envelopes and writing paper. 287,981; Nov. 5. Class 37.
 Squibb, E. R., & Sons, New York, N. Y. Capsules of an ephedrin mixture. 289,550; Nov. 5. Class 6.
 Standard Desert Decoration, Inc., Chicago, Ill. Candy topping. 285,391; Nov. 5. Class 46.
 Stanley, Ira M., doing business as Donette Bakery Cream Company, Davenport, Iowa. Confectionery products. 285,481; Nov. 5. Class 46.
 Stehley, Roszel A., doing business as The American Beauty Denture Company, Fairmont, W. Va. Artificial dentures. 287,266; Nov. 5. Class 44.
 Stein, Louis S., doing business as The Pain-O-Caps Co., Hibbing, Minn. Preparation used in the treatment of headache, head colds, pains, etc. 290,226; Nov. 6. Class 6.
 Steinberger Bros. Glove Corp., New York, N. Y. Gloves. 288,442; Nov. 5. Class 39.
 Sterling Products Company, Easton, Pa. Moth preventive. 288,877; Nov. 5. Class 6.
 Stern Brothers, New York, N. Y. Junior misses' apparel. 286,392; Nov. 6. Class 39.
 Stone, M. C., & Son Company, Lewiston, Me. Clothing. 288,734; Nov. 5. Class 39.
 Stonehenge Granite Company, now by change of name to The Mountain Cross Granite Company, Denver, and Salida, Colo. Quarried stone. 283,233; Nov. 5. Class 1.
 Storyk Bros., New York, N. Y. Women's dresses. 289,804; Nov. 5. Class 39.
 Stout, Charles B., doing business as Washington Flour Mill Washington, Mo. Wheat flour. 290,283-5; Nov. 5. Class 46.
 Stuart, Jean, Cosmetics, Inc., New Haven, Conn. Skin cream, bath salts, sachet powders, etc. 289,167; Nov. 5. Class 6.
 Switzer, F. M., doing business as Switzer's Yellow Jacket Co., St. Louis, Mo. Candy. 288,403; Nov. 5. Class 46.
 Taylor Baking Company, Atlanta, Ga. Cake confection. 287,947; Nov. 5. Class 46.
 Terry, Thomas, Studios, Westfield, Mass. Salad plates and bowls, bonbon dishes, candy jars, etc. 283,898; Nov. 5. Class 33.
 Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. 289,597-600; Nov. 5. Class 46.
 Tiedeman Glove Co., The, Toledo, Ohio. Gloves and mittens. 284,880; Nov. 5. Class 39.
 Tobacco By-Products and Chemical Corporation, Wilmington, Del., and Louisville, Ky. Tobacco extracts and nicotine solutions and compounds. 289,807; Nov. 5. Class 6.
 Tobacco By-Products and Chemical Corporation, Wilmington, Del., and Louisville, Ky. Tobacco extracts and nicotine solutions and compounds. 290,095; Nov. 5. Class 6.
 Traps Manufacturing Company. (See Witter, Alfred S.)
 Tree Clothing Corp., New York, N. Y. Suits, coats, vests, etc. 289,218; Nov. 5. Class 39.
 Tres Gyógyszer-Vegyszeri Ipari és Kereskedelmi R.-T., Budapest, Hungary. Medicines and pharmaceutical preparations. 288,527; Nov. 5. Class 6.

Tripp, Barker & Co., New York, N. Y. Textile fabrics. 289,220; Nov. 5. Class 42.
 Tubize Artificial Silk Company of America, Philadelphia, Pa. Artificial-silk threads and yarns. 289,908; Nov. 5. Class 48.
 Tucker Coffee Co., Inc., San Antonio, Tex. Coffee. 270,099; Nov. 5. Class 46.
 Ultra Vita Laboratories, Inc., New York, N. Y. Hair-waving machinery, heaters, and therapeutic lamps. 285,183; Nov. 5. Class 44.
 Union Card & Paper Company, New York, N. Y. Paper, envelopes, and cardboard. 289,376; Nov. 5. Class 37.
 United Collieries, Incorporated, Ashland, Ky. Coal. 282,687; Nov. 5. Class 1.
 United Enterprises, Incorporated, Cleveland, Ohio. Electric vacuum cleaners. 289,555; Nov. 5. Class 21.
 Varni, Stephen, doing business as Stephen Varni Co., New York, N. Y. Jewelry. 289,486; Nov. 5. Class 28.
 Velvet Hand Soap Co., Inc., Bloomfield, N. J. Plain hand and grit hand soaps. 289,426; Nov. 5. Class 4.
 Von Winkler Laboratories, Inc., Chicago, Ill. Pharmaceutical composition. 290,280; Nov. 5. Class 6.
 Von Winkler Laboratories, Inc., Chicago, Ill. Medicinal compound. 290,281; Nov. 5. Class 6.
 Vulcan Match Co., Inc., New York, N. Y. Matches. 289,910-11; Nov. 5. Class 9.
 Wagner, John, & Sons, Philadelphia, Pa. Cigars, cigarettes and tobacco. 287,432; Nov. 5. Class 17.
 Ward, Frederick W., doing business as The Zoo-Gen Company, Los Angeles, Calif. General tonic. 287,852; Nov. 5. Class 6.
 Washington Flour Mill. (See Stout, Charles B.)
 Webb, H. B., Inc., Sargentville, Me. Canned blueberries. 290,089; Nov. 5. Class 46.
 Western Building Forum, San Francisco, Calif. Publication. 289,138; Nov. 5. Class 38.
 Westinghouse Air Brake Co., The, Wilmerding, Pa. Brakes for automotive vehicles. 288,888; Nov. 5. Class 19.
 Wheeler Shipyard, Brooklyn, N. Y. Motor boats. 289,169; Nov. 5. Class 19.
 Willdoo Exterminating Products Co. (See Margolin, Joseph.)
 Witter, Alfred S., doing business as Traps Manufacturing Company, Seattle, Wash. Game. 288,151; Nov. 5. Class 22.
 Wolman, Samuel, doing business as Montreal Malt Products Co., Portland, Me. Malt syrup. 289,139; Nov. 5. Class 46.
 Wrigley, Wm., Jr., Company, Chicago, Ill. Chewing gum. 288,579; Nov. 5. Class 46.
 Wyman, Patridge & Co., Minneapolis, Minn. Aprons, bath robes, neckties, corsets, etc. 274,029; Nov. 5. Class 39.
 Xetal Safety Glass, Limited, Stapleford, England. Glass and strengthened glass. 285,310; Nov. 5. Class 33.
 Zenith Thread Company, Detroit, Mich. Braided shoe thread. 290,051; Nov. 5. Class 43.
 Zephyr Racquet Press Limited, London, England. Tennis-racquet presses and tennis and the like racquets. 289,913; Nov. 5. Class 22.
 Zoo-Gen Company, The. (See Ward, Frederick W.)
 Zona Vida Company, Inc., Dallas, Tex. Beauty clay. 289,140; Nov. 5. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1
 Leather, Cordovan. Horween Leather Company. 263,042; Nov. 5.
 CLASS 2
 Bags, Paper. Gulf States Paper Corporation. 263,017-8; Nov. 5.
 Bags, Paper. Gulf States Paper Corporation. 263,663; Nov. 5.
 Bags, Woven-fabric. Rockweave Mills, Division Callaway Mills. 263,506; Nov. 5; Serial No. 276,432; published Aug. 20, 1929.
 Boxes and crates, Empty. Southwestern Sash & Door Co. 263,655; Nov. 5.
 CLASS 3
 Bags and pocketbooks, Hand. Goldsmith Brothers. 263,491; Nov. 5; Serial No. 273,103; published Aug. 20, 1929.
 Bags, Hand. Laitman & Laitman. 263,304; Nov. 5; Serial No. 286,183; published Aug. 20, 1929.
 Straps, Luggage. Russell Manufacturing Company. 263,393; Nov. 5; Serial No. 286,134; published Aug. 20, 1929.
 CLASS 5
 Cement, Special nonfreezing. Western States Mfg. Co. 263,419; Nov. 5; Serial No. 275,199; published Feb. 5, 1929.
 Tape. Russell Manufacturing Company. 263,394; Nov. 5; Serial No. 286,132; published Aug. 20, 1929.

CLASS 6
 Alum, sodium bicarbonate, etc., Powdered. Kresge Department Store Corporation. 263,302; Nov. 5; Serial No. 286,252; published Aug. 27, 1929.
 Analgesic, antipyretic, and nerve sedative. First Texas Chemical Mfg. Co. 263,248; Nov. 5; Serial No. 285,668; published Aug. 20, 1929.
 Battery-terminal paste and chemical tire and tube preserver. S. A. Gudgeon. 263,504; Nov. 5; Serial No. 271,851; published Aug. 13, 1929.
 Capsule, Filled. Eli Lilly and Company. 263,437; Nov. 5; Serial No. 286,990; published Aug. 20, 1929.
 Castor oil and cod-liver oil, Fruit-flavored. W. A. Walsh. 263,659; Nov. 5.
 Chemical compositions for combating insects. Air-Way Electric Appliance Corporation. 263,651-2; Nov. 5.
 Chemical compound. Dow Chemical Company. 263,311; Nov. 5; Serial No. 281,413; published Aug. 20, 1929.
 Chemical compounds, Synthetic organic. Florasynth Laboratories, Inc. 263,487-8; Nov. 5; Serial No. 276,928-9; published Aug. 27, 1929.
 Chemical dye aids. H. Th. Böhme A. G. 263,359; Nov. 5; Serial No. 283,489; published Aug. 13, 1929.
 Chemical solution. J. C. Wichmann. 263,308; Nov. 5; Serial No. 283,477; published Aug. 20, 1929.
 Chemical washing fluid. S. Fazio. 263,243; Nov. 5; Serial No. 285,738; published Aug. 20, 1929.
 Cosmetic. D. S. Lancaster. 263,253; Nov. 5; Serial No. 285,102; published Aug. 13, 1929.

Cosmetic wash, cuticle salve, hair tonic, etc. A. V. Mitchell, 263,239; Nov. 5; Serial No. 286,128; published Aug. 20, 1929.

Cough syrup, J. W. Listenbee, 263,235; Nov. 5; Serial No. 286,438; published Aug. 20, 1929.

Dental cream, E. R. Squibb & Sons, 263,330; Nov. 5; Serial No. 284,372; published Aug. 20, 1929.

Dentifrices, mouth washes, dental and medical antiseptics, etc. Antidolor Mfg. Co. 263,310; Nov. 5; Serial No. 282,090; published Aug. 20, 1929.

Dyes, Mutual Fur Dyeing Co. 263,312; Nov. 5; Serial No. 277,712; published Aug. 13, 1929.

Dyestuffs, lakes, and chemical products suitable for dyeing purposes, Gelzy Company, Inc. 263,507; Nov. 5; Serial No. 284,454; published Aug. 27, 1929.

Fire-extinguishing liquid, Nonfreezing, noncorrosive, North Metal & Chemical Co. Inc. 263,644; Nov. 5; Serial No. 282,508; published Aug. 27, 1929.

Hair grower and pressing oil, R. E. Hill, 263,578; Nov. 5; Serial No. 282,508; published Aug. 27, 1929.

Hormon and ferment preparations, Hormont Aktiengesellschaft für Herstellung Organischer Heilmittel, 263,257; Nov. 5; Serial No. 250,753; published Aug. 13, 1929.

Insecticide, Cities Service Oil Company, 263,292; Nov. 5; Serial No. 286,623; published Aug. 27, 1929.

Insecticide, H. F. Hemmings, 263,289; Nov. 5; Serial No. 286,770; published Aug. 27, 1929.

Insecticide, A. H. Meyer, 263,250; Nov. 5; Serial No. 285,364; published Aug. 20, 1929.

Insecticide, United Coffee Corporation, 263,234; Nov. 5; Serial No. 286,463; published Aug. 20, 1929.

Insecticides, Sinclair Refining Company, 263,218; Nov. 5; Serial No. 264,739; published June 12, 1928.

Insecticides and disinfectants, W. C. Parrott, 263,232; Nov. 5; Serial No. 286,951; published Aug. 20, 1929.

Laxative, T. S. Burns & Sons Co. 263,436; Nov. 5; Serial No. 286,974; published Aug. 20, 1929.

Lighter fuel, Cigar or cigarette, Cities Service Oil Company, 263,293; Nov. 5; Serial No. 286,622; published Aug. 27, 1929.

Liniment, Antiseptic, Endine Co. 263,287; Nov. 5; Serial No. 286,873; published Aug. 27, 1929.

Medicated sherry, P. Maggini, 263,497; Nov. 5; Serial No. 275,361; published Feb. 12, 1929.

Medicinal preparation, G. Braun, 263,341; Nov. 5; Serial No. 284,936; published Aug. 20, 1929.

Medicinal preparation, Coffman Pharmaceutical Co. 263,579; Nov. 5; Serial No. 281,839; published Aug. 6, 1929.

Medicinal product for treatment of the intestinal tract, Brook Hill Farm, Inc. 263,613; Nov. 5.

Medicine, Cough, Ayrer Company, 263,215; Nov. 5; Serial No. 266,077; published Aug. 13, 1929.

Medicines, Sunshine Remedies Limited, 263,434; Nov. 5; Serial No. 285,393; published Aug. 13, 1929.

Mineral oil, George Mortimer and Company, 263,548; Nov. 5; Serial No. 285,981; published Aug. 27, 1929.

Mordant for use in dyeing, Liquid, Taylor-White Extracting Company, 263,247; Nov. 5; Serial No. 285,696; published Aug. 20, 1929.

Ointment, Pile, J. A. Villancourt, 263,252; Nov. 5; Serial No. 285,126; published Aug. 20, 1929.

Perfume, toilet water, face powder, etc. Houbigant, Inc. 263,670; Nov. 5.

Perfumes, perfume extracts, toilet waters, etc. D'Orsay Perfumeries Corporation, 263,577; Nov. 5; Serial No. 282,978; published Aug. 27, 1929.

Perfumes, skin creams, skin lotions, hair tonics, etc. R. C. P. Stevenson, 263,459; Nov. 5; Serial No. 276,545; published Aug. 27, 1929.

Perfumes, skin creams, skin lotions, hair tonics, etc. R. C. P. Stevenson, 263,490; Nov. 5; Serial No. 276,543; published Aug. 27, 1929.

Perfumes, toilet water, creams, etc. Coty, Inc. 263,238; Nov. 5; Serial No. 286,308; published Aug. 13, 1929.

Powder, Bath and antiseptic, Verano-Williams Laboratory, 263,551; Nov. 5; Serial No. 285,541; published Aug. 27, 1929.

Powders, talcum powders, perfumes, etc. Face, S. Cruso, 263,438-9; Nov. 5; Serial No. 286,869-70; published Aug. 27, 1929.

Preparation, Corn and callous removing, S. B. Engelsberg, 263,246; Nov. 5; Serial No. 285,711; published Aug. 13, 1929.

Preparation for oral hygiene, dentifrices, mouth washes, etc. Antidolor Mfg. Co. 263,310; Nov. 5; Serial No. 282,091; published Aug. 27, 1929.

Preparation for use in the treatment of piles, C. Smith, 263,210; Nov. 5; Serial No. 258,602; published Aug. 13, 1929.

Preparation used in the treatment of cystitis, gonorrhea, etc. R. J. Cline, 263,251; Nov. 5; Serial No. 285,444; published Aug. 13, 1929.

Preparations and compounds; drops, bonbons, or tablets, Dr. Hillers Akt.-Ges. Nkhr.- & Heilmittelwerk, 263,674; Nov. 5.

Preparations, pills and granules, Elixir and wafer, F. J. Mahoney, 263,435; Nov. 5; Serial No. 286,992; published Aug. 20, 1929.

Preventives and preparations for use against insects, chiggers, and mites, C. M. Farrar, 263,307; Nov. 5; Serial No. 283,732; published Aug. 13, 1929.

Purgative, Manuel Marin & Co. 263,584; Nov. 5; Serial No. 281,222; Aug. 27, 1929.

Purgative, Manuel Marin & Co. 263,584; Nov. 5; Serial No. 281,221; published Aug. 27, 1929.

Resins, Synthetic or chemically prepared, Resinous Products & Chemical Company, 263,640; Nov. 5.

Salve, S. Badessa, 263,245; Nov. 5; Serial No. 285,726; published Aug. 20, 1929.

Solution, Tanning, Shepherd & Sons, 263,249; Nov. 5; Serial No. 285,479; published Aug. 20, 1929.

Solvents, Carbide & Carbon Chemicals Corporation, 263,505; Nov. 5; Serial No. 269,181; published Aug. 20, 1929.

Tonic and healing ointment, Laxative herb, J. J. Greiner, 263,291; Nov. 5; Serial No. 286,723; published Aug. 27, 1929.

Tonic, Hair, P. Luciano & Sons, 263,421; Nov. 5; Serial No. 273,194; published Nov. 13, 1928.

Tonic, stimulant reconstructive, John Wyeth & Brother, Incorporated, 263,236; Nov. 5; Serial No. 286,403; published Aug. 20, 1929.

Tooth paste, hairdressing, antiseptic, and mouth wash, Jael Perfumers, Inc. 263,244; Nov. 5; Serial No. 286,054; published Aug. 13, 1929.

Water corrective compounds, Dehls & Stein, 263,300; Nov. 5; Serial No. 283,262; published Aug. 13, 1929.

CLASS 7

Clotheslines, Cotton, Silver Lake Company, 263,532; Nov. 5; Serial No. 286,696; published Aug. 20, 1929.

CLASS 8

Tobacco-ash receptacles, Nagel Chase Mfg. Co. 263,326; Nov. 5; Serial No. 277,811; published Aug. 27, 1929.

CLASS 9

Firecrackers, C. R. Staudinger, 263,602; Nov. 5; Serial No. 287,161; published Aug. 27, 1929.

CLASS 10

Fertilizer, I. G. Farbenindustrie Aktiengesellschaft, 263,376; Nov. 5; Serial No. 286,481; published Aug. 27, 1929.

Fertilizers, Friedman Tobacco Products Corporation, 263,339; Nov. 5; Serial No. 285,967; published Aug. 27, 1929.

Plant foods and fertilizers, Smith Agricultural Chemical Company, 263,653; Nov. 5.

CLASS 12

Roofing cement and roofing compound, Lyon, Conklin & Co. Inc. 263,673; Nov. 5.

CLASS 13

Cocks, faucets, metal pipe fittings, etc. Cleveland Brass Manufacturing Company, 263,455; Nov. 5; Serial No. 285,623; published Aug. 27, 1929.

Cookers, Steam-pressure, National Pressure Cooker Company, 263,517; Nov. 5; Serial No. 282,670; published Aug. 27, 1929.

Glazier points, Landon P. Smith, Inc. 263,383; Nov. 5; Serial No. 286,209; published Aug. 20, 1929.

Inclinerators, Young Specialty Co. 263,628; Nov. 5.

Nails and tacks, United Shoe Machinery Corporation, 263,378; Nov. 5; Serial No. 286,396; published Aug. 27, 1929.

Screens, Window roller, R. Blackburn, 263,519; Nov. 5; Serial No. 281,335; published Aug. 20, 1929.

Valves, Flush, Sloan Valve Company, 263,424; Nov. 5; Serial No. 274,987; published Aug. 20, 1929.

Valves, Metallic flush, Smith and Wesson, Inc. 263,355; Nov. 5; Serial No. 284,314; published Aug. 27, 1929.

CLASS 15

Greases, Swan-Finch Oil Corporation, 263,472; Nov. 5; Serial No. 284,648; published Aug. 13, 1929.

Oil and fuel, Lubricating, Warner-Quinlan Company, 263,475; Nov. 5; Serial No. 284,431; published Aug. 13, 1929.

Oils, Leamon Process Company, 263,216; Nov. 5; Serial No. 267,659; published Aug. 13, 1929.

Oils and compounds, Transformer, Standard Oil Company, 263,225; Nov. 5; Serial No. 285,600; published Aug. 13, 1929.

Oils and greases, Lubricating, Standard Oil Company, 263,224; Nov. 5; Serial No. 285,602; published Aug. 13, 1929.

Oils, Lubricating, Cities Service Oil Company, 263,459; Nov. 5; Serial No. 278,636; published Aug. 20, 1929.

Oils, Lubricating, Gash-Stull Company, 263,636-7; Nov. 5.

CLASS 16

Carbon black, Imperial Oil & Gas Products Company, 263,303; Nov. 5; Serial No. 286,173; published Aug. 27, 1929.

Carbon black, Imperial Oil & Gas Products Company, 263,534; Nov. 5; Serial No. 286,171; published Aug. 27, 1929.

Carbon black, Imperial Oil & Gas Products Company, 263,536; Nov. 5; Serial No. 286,170; published Aug. 27, 1929.

Paint, Smith-Alsop Paint and Varnish Company, 263,300; Nov. 5; Serial No. 286,280; published Aug. 27, 1929.

Paint enamels, Bradley & Vrooman Company, 263,217; Nov. 5; Serial No. 265,613; published Aug. 27, 1929.

Paint, texture wall and rough plaster finish, Plastic, J. R. Vernon, 263,540; Nov. 5; Serial No. 285,401; published Aug. 20, 1929.

Paints, Cox Paint & Varnish Company, 263,537; Nov. 5; Serial No. 286,035; published Aug. 20, 1929.

Paints, Everseal Manufacturing Co. 263,562; Nov. 5; Serial No. 286,031; published Aug. 27, 1929.

Paints, paint enamels, varnishes, etc. Martin-Senour Company, 263,213; Nov. 5; Serial No. 268,990; published Aug. 20, 1929.

Paints, primers, wood fillers, etc. Elco Paint Products, Inc. 263,295; Nov. 5; Serial No. 286,555; published Aug. 27, 1929.

Polish, Furniture, B. J. Quinlivan, 263,538; Nov. 5; Serial No. 285,960; published Aug. 20, 1929.

Preparation for polishing and cleaning automobiles and furniture, M. R. Henry, 263,290; Nov. 5; Serial No. 286,033; published Aug. 27, 1929.

Titanium oxide, R. T. Vanderbilt Company, 263,523; Nov. 5; Serial No. 284,752; published Aug. 27, 1929.

Varnish or oil lacquer, Ault & Wiborg Varnish Works, Inc. 263,486; Nov. 5; Serial No. 276,998; published Aug. 20, 1929.

Varnishes, Martin Varnish Company, 263,621; Nov. 5.

Wax, Paste and liquid, D. A. Coulter, 263,586; Nov. 5; Serial No. 280,596; published Aug. 27, 1929.

CLASS 17

Cigarettes, Talkee Candy Corp. 263,527; Nov. 5; Serial No. 286,906; published Aug. 27, 1929.

Cigars, William Boucher & Sons, 263,885; Nov. 5; Serial No. 286,151; published Aug. 27, 1929.

Cigars, E. P. Cordero & Co. 263,428; Nov. 5; Serial No. 269,050; published Aug. 27, 1929.

Cigars, cigarettes, cigarillos, etc. Gebruder Caspers, 263,518; Nov. 5; Serial No. 282,235; published Aug. 27, 1929.

Cigars, little cigars, cigarettes, and manufactured tobacco, E. Popper & Company, 263,545; Nov. 5; Serial No. 287,005; published Aug. 27, 1929.

Tobacco, Smoking and chewing, Carl Henry Inc. 263,615; Nov. 5.

CLASS 19

Automobile heaters, G. A. Roth Mfg. Co. 263,515; Nov. 5; Serial No. 288,534; published Aug. 27, 1929.

Automobiles, H. T. Lathrop Motor Company, 263,539; Nov. 5; Serial No. 285,923; published Aug. 20, 1929.

Automobiles, Moon Motor Car Company, 263,425; Nov. 5; Serial No. 274,274; published Aug. 27, 1929.

Automobiles and constructive parts thereof, Societe Anonyme des Usines Renault, 263,446; Nov. 5; Serial No. 285,946; published Aug. 20, 1929.

Barges, etc. Ellis Channel System Incorporated, 263,650; Nov. 5.

Boats and airplanes, Motor, Dyer Motorcraft Corporation, 263,516; Nov. 5; Serial No. 283,266; published Aug. 20, 1929.

Flying machines, Keystone Aircraft Corporation, 263,520; Nov. 5; Serial No. 281,212; published Aug. 27, 1929.

Mirrors for use on automotive vehicles, etc., Rear-view, Simplex Piston Ring Company of America, 263,541; Nov. 5; Serial No. 285,387; published Aug. 20, 1929.

Steering wheels, American Hard Rubber Company, 263,521; Nov. 5; Serial No. 277,692; published Aug. 20, 1929.

Trailers, Aerocar Corporation, 263,510; Nov. 5; Serial No. 284,714; published Aug. 13, 1929.

Trailers, United Tractor & Equipment Corporation, 263,391; Nov. 5; Serial No. 286,090; published Aug. 27, 1929.

CLASS 20

Linoleum, Carthage Mills Incorporated, 263,343-4; Nov. 5; Serial Nos. 285,250-51; published Aug. 27, 1929.

Linoleum, Carthage Mills Incorporated, 263,345; Nov. 5; Serial No. 285,248; published Aug. 27, 1929.

Linoleum, Carthage Mills Incorporated, 263,430; Nov. 5; Serial No. 285,442; published Aug. 27, 1929.

CLASS 21

Armatures, Automotive, H. V. Hahn, 263,460-1; Nov. 5; Serial Nos. 278,290-1; published Aug. 13, 1929.

Battery chargers, welders, and electrical door openers, Samuel F. White, Jr. 263,478; Nov. 5; Serial No. 284,212; published Aug. 13, 1929.

Cables, Flexible armored electric, Crescent Armored Wire Co. 263,229; Nov. 5; Serial No. 285,498; published Aug. 20, 1929.

Contact terminals, Tru-Test Terminal Corporation, 263,222; Nov. 5; Serial No. 285,838; published Aug. 20, 1929.

Electric conduit, American Steel Pipe Inc. 263,675; Nov. 5.

Electric-lighting fixtures and switch plates, Franklin Pottery (Inc.), 263,395; Nov. 5; Serial No. 283,108; published Aug. 13, 1929.

Electric motors, United States Electrical Manufacturing Company, 263,208; Nov. 5; Serial No. 286,401; published Aug. 20, 1929.

Electric pick-up for phonographs, H. P. Maus, 263,665; Nov. 5.

Electric stoves and ranges, Noble & Harris, 263,481; Nov. 5; Serial No. 283,209; published Aug. 20, 1929.

Electric time switch, S. M. Green, 263,233; Nov. 5; Serial No. 285,093; published Aug. 20, 1929.

Electric wires, Connectors for, G. R. Sirwell, 263,480; Nov. 5; Serial No. 284,087; published Aug. 13, 1929.

Electrical primary and secondary cells and storage batteries, etc. Svenska Akkumulator Aktiebolaget Junger, 263,361-2; Nov. 5; Serial Nos. 283,235-6; published Aug. 20, 1929.

Electrical safety flashing signal lamps, C. K. Endicott, 263,474; Nov. 5; Serial No. 284,528; published Aug. 13, 1929.

Electrical switches, Frank Adam Electric Co. 263,639; Nov. 5.

Electron radiotubes, Sylvania Products Company, 263,348; Nov. 5; Serial No. 284,878; published Aug. 13, 1929.

Electron tubes, Triad Manufacturing Co. 263,396; Nov. 5; Serial No. 282,800; published Aug. 13, 1929.

Elevator controllers, switches, stop-motion devices, etc. Maintenance Company, 263,477; Nov. 5; Serial No. 284,241; published Aug. 13, 1929.

Heaters, Radiant, Chicago Flexible Shaft Company, 263,398; Nov. 5; Serial No. 282,170; published Aug. 13, 1929.

Radio receiving sets and loud-speakers, electron tubes, etc. S. Frank, 263,473; Nov. 5; Serial No. 284,609; published Aug. 20, 1929.

Radio receiving sets, parts thereof, etc. F. J. Reichmann, 263,619; Nov. 5.

Ranges, sausage toasters, and barbecue broilers, Electric, Firebrand Kitchen Equipment Company, 263,228; Nov. 5; Serial No. 285,505; published Aug. 20, 1929.

Spark plugs, Fan Flame Spark Plug Co. 263,666; Nov. 5.

Toaster, Electrically-heated, Akron Toaster Company, 263,457; Nov. 5; Serial No. 279,523; published Aug. 13, 1929.

Transmitting views, scenes, or images, and sounds to a distance, Devices for, Baird Television Development Company Limited, 263,365; Nov. 5; Serial No. 280,868; published Aug. 13, 1929.

Vacuum cleaners and floor machines and parts thereof, Regina Corporation, 263,230; Nov. 5; Serial No. 285,298; published Aug. 13, 1929.

CLASS 22

Balls, Billiard, Brunswick-Balke-Collender Company, 263,559; Nov. 5; Serial No. 287,109; published Aug. 27, 1929.

Balls, Bowling, Brunswick-Balke-Collender Company, 263,558; Nov. 5; Serial No. 287,110; published Aug. 27, 1929.

Billiard and cue balls, Henry Buss & Sons, 263,546; Nov. 5; Serial No. 286,026; published Aug. 20, 1929.

Dolls, Ideal Novelty & Toy Co. Inc. 263,555; Nov. 5; Serial No. 285,027; published Aug. 20, 1929.

Dolls, Maxine Doll Co. 263,301; Nov. 5; Serial No. 286,253; published Aug. 20, 1929.

Game, Table, B. Reichold, 263,588; Nov. 5; Serial No. 284,628; published Aug. 27, 1929.

Hammocks, golf bags and balls, etc., Baby, N. P. Sher, 263,550; Nov. 5; Serial No. 285,752; published Aug. 27, 1929.

Sporting goods, Hand grips for, G. E. Russell, 263,547; Nov. 5; Serial No. 285,986; published Aug. 27, 1929.

Toy sets, Boxed, Hale-Nass Corporation, 263,612; Nov. 5; Serial No. 283,452; published Aug. 20, 1929.

Toys, Pull, Geo. Borgfeldt & Co. 263,589; Nov. 5; Serial No. 284,160; published Aug. 27, 1929.

CLASS 23

Arbors, bits, center reamers, etc. Whitman & Barnes, Inc. 263,462; Nov. 5; Serial No. 284,711; published Aug. 20, 1929.

Carburetors and fuel-injection devices, Robert Bosch Aktiengesellschaft, 263,502; Nov. 5; Serial No. 289,080; published Aug. 27, 1929.

Comb-cleaning machines, Sanitary Comb Cleaner and Sterilizer Co. Inc. 263,623; Nov. 5.

Cylinder grinders and parts thereof, valve-spring lifters, etc. Sunnen Products Company, 263,350; Nov. 5; Serial No. 284,702; published Aug. 27, 1929.

Engines, pumps, clutches, and reverse gears, Explosive, Kermath Manufacturing Co. 263,499; Nov. 5; Serial No. 275,337; published Aug. 27, 1929.

Gears, chain drives, ball bearings, etc. Boston Gear Works, Inc. 263,649; Nov. 5.

Hammers and hatchets, Griffith Tool Works, 263,271; Nov. 5; Serial No. 286,760; published Aug. 20, 1929.

Internal-combustion engines, De Havilland Air Craft Company Limited, 263,463; Nov. 5; Serial No. 284,114; published Aug. 27, 1929.

Knives, forks, and spoons, etc. Hamblin & Russell Mfg. Co. 263,28

Machines for cutting designs. Ribbon Miter Machine Company. 263,465; Nov. 5; Serial No. 281,096; published Aug. 20, 1929.
Mowers. Lawn. Worcester Lawn Mower Company. 263,598; Nov. 5; Serial No. 287,272; published Aug. 27, 1929.
Pocketknives. Utica Cutlery Company. 263,464; Nov. 5; Serial No. 282,888; published Aug. 20, 1929.
Pocketknives, scissors, knives, etc. Glesen & Forsthoft Stahlwarenfabrik. 263,470; Nov. 5; Serial No. 278,730; published Aug. 27, 1929.
Presses, Hay and bulging. T. J. Cookson. 263,278; Nov. 5; Serial No. 286,036; published Aug. 20, 1929.
Pumps. Spicer Airdrater Inc. 263,357; Nov. 5; Serial No. 283,916; published Aug. 27, 1929.
Razor blades. Probak Corporation. 263,268-70; Nov. 5; Serial Nos. 286,899-901; published Aug. 20, 1929.
Road-working machinery, particularly road graders. Shaw-Enochs Tractor Co. 263,349; Nov. 5; Serial No. 284,874; published Aug. 27, 1929.
Saws. Simonds Saw and Steel Company. 263,267; Nov. 5; Serial No. 286,958; published Aug. 20, 1929.
Tools. Sets of motor car repair. Kent-Moore Organization. 263,496; Nov. 5; Serial No. 275,495; published Aug. 27, 1929.
Trestles and cranes, conveyors, etc. Moore Trench Machine Company. 263,467; Nov. 5; Serial No. 280,616; published Aug. 20, 1929.
Typewriter attachment, Eraser-holding. A. G. Stevenson & Co. Inc. 263,260; Nov. 5; Serial No. 281,640; published Aug. 27, 1929.
Vehicle lifts. Automobile Rotary Lift Company. 263,646; Nov. 5.
Vending machines. J. F. Meyer. 263,276; Nov. 5; Serial No. 286,376; published Aug. 20, 1929.

CLASS 24

Washing machines. Dexter Company. 263,535; Nov. 5; Serial No. 286,039; published Aug. 20, 1929.
Wringers. Lovell Manufacturing Company. 263,485; Nov. 5; Serial No. 285,282; published Aug. 27, 1929.

CLASS 25

Padlocks. Greenberg & Josefsberg. 263,614; Nov. 5.

CLASS 26

Machines and apparatus for testing gears, axle-testing apparatus, etc. Gleason Works. 263,277; Nov. 5; Serial No. 286,325; published Aug. 20, 1929.
Photographic papers, plates, films, roll films, etc. Sensitized. Naamlooze Vennootschap Gevaert Photo-Producten (Société Anonyme Photo-Produits Gevaert). 263,265-6; Nov. 5; Serial Nos. 287,150-1; published Aug. 27, 1929.
Tachometers. Barbour Stockwell Company. 263,206; Nov. 5; Serial No. 286,296; published Aug. 27, 1929.

CLASS 27

Watches. Bulova Watch Company. 263,544; Nov. 5; Serial No. 287,235; published Aug. 27, 1929.
Watches, clockworks, dials, and watchcases. Fabrique d'Horlogerie Chs. Tissot & Fils Societe Anonyme. 263,633; Nov. 5.

CLASS 28

Jewelry. L. B. Brookov. 263,602; Nov. 5.
Jewelry. Deja, Inc. 263,227; Nov. 5; Serial No. 285,556; published Aug. 20, 1929.
Jewelry. Spindel Bros. 263,458; Nov. 5; Serial No. 280,550; published Aug. 20, 1929.
Jewelry, silver tableware, etc. B. Altman & Co. 263,476; Nov. 5; Serial No. 284,378; published Aug. 13, 1929.
Pins and emblems. Phi Delta Chi Fraternity. 263,258; Nov. 5; Serial No. 249,436; published Aug. 13, 1929.
Rings and mountings therefor. Finger. Benjamin & Edward J. Gross Co. 263,223; Nov. 5; Serial No. 285,817; published Aug. 20, 1929.
Rings, brooches, pendants, etc., Finger. Fray Jewelry Company. 263,479; Nov. 5; Serial No. 284,119; published Aug. 20, 1929.
Rings, Finger. Joseph L. Herzog & Co. 263,226; Nov. 5; Serial No. 285,564; published Aug. 13, 1929.
Rings, Finger. Lesser & Barnett. 263,221; Nov. 5; Serial No. 285,865; published Aug. 20, 1929.
Rings, Finger. Lesser & Barnett. 263,264; Nov. 5; Serial No. 285,866; published Aug. 20, 1929.
Stud sets, bracelets, scarfpins, etc. Kaskel & Kaskel Corporation. 263,231; Nov. 5; Serial No. 285,273; published Aug. 13, 1929.
Toilet articles, tableware, hollow ware, and flatware. Stieff Company. 263,616; Nov. 5.
Toilet articles, tableware, hollow ware, and flatware. Stieff Company. 263,643; Nov. 5.

CLASS 29

Brushes. Samuel M. Dell & Co. 263,386; Nov. 5; Serial No. 286,161; published Aug. 27, 1929.
Paintbrushes. Marcus Brush Co. Inc. 263,335; Nov. 5; Serial No. 285,105; published Aug. 27, 1929.

CLASS 30

Dinner and tea sets, teapots, serving trays, etc. Alice Foote MacDougall Coffee Shops, Inc. 263,324; Nov. 5; Serial No. 278,904; published Aug. 20, 1929.

Dinner ware and hotel ware. Mercer Pottery Company. 263,426; Nov. 5; Serial No. 271,306; published Aug. 20, 1929.
Pottery, crockery, earthenware, and porcelain. John Wanamaker New York. 263,526; Nov. 5; Serial No. 286,908; published Aug. 20, 1929.

CLASS 32

Cabinets intended to contain radio sets and speakers. Wood Cabinet Corporation. 263,207; Nov. 5; Serial No. 286,002; published Aug. 27, 1929.
Chairs, Folding. Louis Rastetter & Sons. 263,498; Nov. 5; Serial No. 276,987; published Aug. 20, 1929.
Furniture, Wood. David Kramer, Inc. 263,466; Nov. 5; Serial No. 281,215; published Aug. 20, 1929.
Lockers and storage compartments. Hart & Hutchinson Company. 263,283; Nov. 5; Serial No. 285,563; published Aug. 20, 1929.
Mattresses, Inner-spring. Roberti Bros. 263,471; Nov. 5; Serial No. 277,182; published Aug. 20, 1929.
Mirrors. Semon Bache & Company. 263,600; Nov. 5; Serial No. 287,263; published Aug. 27, 1929.
Mirrors and picture frames, Hand. Du Pont Viscoloid Company. 263,605; Nov. 5; Serial No. 287,056; published Aug. 27, 1929.
Pillows, pads, and mattresses. P. J. O'Leary. 263,420; Nov. 5; Serial No. 274,888; published Aug. 27, 1929.
Racks, Umbrella. Hardman, Peck & Co. 263,342; Nov. 5; Serial No. 285,268; published Aug. 27, 1929.
Shade and a shading element and electric-lighting means. Display. Todd Display Shade Company. 263,469; Nov. 5; Serial No. 279,199; published Aug. 20, 1929.
Stands, work tables, bakers' tables, etc. Urn. Firebrand Kitchen Equipment Company. 263,284; Nov. 5; Serial No. 285,508; published Aug. 20, 1929.

CLASS 33

Glass, Flat. Blue Ridge Glass Corporation. 263,440-42; Nov. 5; Serial Nos. 286,737-9; published Aug. 27, 1929.
Glass, Plate. Semon Bache & Company. 263,599; Nov. 5; Serial No. 287,264; published Aug. 27, 1929.
Glass tumblers, goblets, pitchers, etc. Alice Foote MacDougall Coffee Shops, Inc. 263,323; Nov. 5; Serial No. 278,905; published Aug. 20, 1929.

CLASS 34

Burners. Fuel oil. Home Mfg. Company. 263,352; Nov. 5; Serial No. 284,540; published Aug. 27, 1929.
Furnace fans. Silent Furnace Fan Co. 263,634; Nov. 5.
Shades. All kinds of lamp. Metropolitan Importing & Mfg. Co. 263,525; Nov. 5; Serial No. 284,687; published Aug. 20, 1929.

CLASS 35

Belting, hose, and machinery packing. Majestic Packing & Rubber Corporation. 263,282; Nov. 5; Serial No. 285,683; published Aug. 20, 1929.
Belting, Leather. Baldwin Belting & Leather Co. 263,468; Nov. 5; Serial No. 280,375; published Aug. 20, 1929.
Belts and hose. Mechanical Rubber Company. 263,347; Nov. 5; Serial No. 285,162; published Aug. 27, 1929.
Hose, Canvas-covered metal-lined rubber. Metal Hose & Tubing Co. Inc. 263,220; Nov. 5; Serial No. 262,408; published Aug. 20, 1929.
Packing for moving parts. Durametallic Corporation. 263,368; Nov. 5; Serial No. 278,031; published Mar. 12, 1929.
Tire casings, Pneumatic. Trump Brothers Rubber Company. 263,205; Nov. 5; Serial No. 285,995; published Aug. 27, 1929.
Tire casings, Pneumatic. Trump Brothers Rubber Company. 263,262; Nov. 5; Serial No. 285,994; published Aug. 20, 1929.
Tire casings, Pneumatic. Trump Brothers Rubber Company. 263,281; Nov. 5; Serial No. 285,997; published Aug. 20, 1929.
Tires and inner tubes therefor. Vehicle. Acme Company. 263,279; Nov. 5; Serial No. 286,004; published Aug. 20, 1929.

CLASS 36

Musical instruments and string-depressing attachments therefor. Stringed. Keyboard Banjo Company of America, Inc. 263,397; Nov. 5; Serial No. 282,299; published Aug. 13, 1929.
Phonographs. Columbia Phonograph Company. 263,508; Nov. 5; Serial No. 274,315; published Aug. 13, 1929.
Phonographs. Federal Telegraph Company. 263,212; Nov. 5; Serial No. 257,228; published Aug. 13, 1929.
Pianos. Welte-Mignon Corporation. 263,255-6; Nov. 5; Serial Nos. 252,134-5; published Aug. 13, 1929.

CLASS 37

Paper. Union Card & Paper Co. 263,620; Nov. 5.

CLASS 39

Apparel, Wearing. Kresge Department Store Corporation. 263,423; Nov. 5; Serial No. 269,355; published Oct. 30, 1928.
Bathing suits. Sinclair Knitting Mills, Inc. 263,482; Nov. 5; Serial No. 285,533; published Aug. 13, 1929.
Breeches, Riding. Treister-Yanow Company. 263,445; Nov. 5; Serial No. 285,952; published Aug. 13, 1929.

Clothing. J. Graff. 263,528; Nov. 5; Serial No. 286,881; published Aug. 20, 1929.
Clothing, Men's and boys'. Famous-Sternberg, Inc. 263,328; Nov. 5; Serial No. 277,620; published Aug. 13, 1929.
Clothing, Rubberized. United States Rubber Company. 263,456; Nov. 5; Serial No. 285,608; published Aug. 20, 1929.
Coats. Edward Krieger & Co. Inc. 263,453; Nov. 5; Serial No. 285,681; published Aug. 13, 1929.
Coats, suits, and dresses. Monarch Garment Co. 263,334; Nov. 5; Serial No. 285,108; published Aug. 20, 1929.
Coats, vests, and pants. R. H. White Company. 263,451; Nov. 5; Serial No. 285,760; published Aug. 20, 1929.
Corsets and girdles. Kinney-Coons Co. 263,641; Nov. 5; Serial No. 284,931; published Aug. 13, 1929.
Frocks. Vigdor and Flamm. 263,531; Nov. 5; Serial No. 286,808; published Aug. 20, 1929.
Gowns, frocks, and dresses. P. Cohen. 263,513; Nov. 5; Serial No. 283,988; published Aug. 13, 1929.
Hats. Frontline Millinery Import Co. 263,677; Nov. 5.
Hats. Muller and Raag Company. 263,658; Nov. 5.
Hats and caps. Hodshon Company. 263,522; Nov. 5; Serial No. 284,942; published July 28, 1929.
Hats, Felt. International Millinery Co. 263,671; Nov. 5.
Hosiery. Bear Brand Hosiery Co. 263,669; Nov. 5.
Hosiery. Burd Brothers. 263,380; Nov. 5; Serial No. 286,306; published Aug. 13, 1929.
Hosiery. Campbell, Inc. 263,422; Nov. 5; Serial No. 272,694; published May 28, 1929.
Hosiery. James A. Hearn & Son, Inc. 263,390; Nov. 5; Serial No. 286,119; published Aug. 20, 1929.
Hosiery. Innes Shoe Co. 263,511-12; Nov. 5; Serial Nos. 284,127-8; published Aug. 20, 1929.
Hosiery. Opal Hosiery Mills. 263,508; Nov. 5; Serial No. 284,817; published Aug. 20, 1929.
Hosiery. Radoff Bros. Inc. 263,373; Nov. 5; Serial No. 286,604; published Aug. 13, 1929.
Hosiery. Rufus W. Scott Company. 263,261; Nov. 5; Serial No. 280,760; published Aug. 20, 1929.
Hosiery. Rufus W. Scott Company. 263,583; Nov. 5; Serial No. 286,695; published Aug. 20, 1929.
Hosiery. S. Shapiro. 263,449; Nov. 5; Serial No. 285,889; published Aug. 13, 1929.
Hosiery. Virginia Maid Hosiery Mills Inc. 263,877; Nov. 5; Serial No. 286,402; published Aug. 13, 1929.
Hosiery and underwear. Primfit Textile Company. 263,356; Nov. 5; Serial No. 283,969; published July 2, 1929.
Napkin protectors, Infants'. J. B. Young. 263,614; Nov. 5; Serial No. 283,641; published Aug. 20, 1929.
Neckties and cravats. W. O. Horn & Brother, Inc. 263,879; Nov. 5; Serial No. 286,830; published Aug. 13, 1929.
Neckties and cravats. Marshall Field & Company. 263,881; Nov. 5; Serial No. 286,288; published Aug. 13, 1929.
Neckties, cravats, scarfs, etc. Bloom Stern, Inc. 263,452; Nov. 5; Serial No. 286,768; published Aug. 20, 1929.
Outerwear, Children's. A. E. Atkins. 263,509; Nov. 5; Serial No. 284,715; published Aug. 20, 1929.
Outfits for traveling by aeroplane. Gimbel Brothers, Inc. 263,337; Nov. 5; Serial No. 285,081; published Aug. 13, 1929.
Overalls. Diary Publishing Corporation. 263,585; Nov. 5; Serial No. 277,752; published June 25, 1929.
Overcoats, Men's. Hickey-Freeman Co. 263,318; Nov. 5; Serial No. 282,649; published Aug. 13, 1929.
Rompers, blouses, pajamas. Regent Company. 263,317; Nov. 5; Serial No. 283,005; published Aug. 13, 1929.
Scarfs and blouses. Sanjame Art Corporation. 263,838; Nov. 5; Serial No. 285,177; published Aug. 13, 1929.
Shirts and boys' blouses. Elder Mfg. Co. 263,392; Nov. 5; Serial No. 286,040; published Aug. 13, 1929.
Shirts and underwear, Men's. Commodore Men's Shops, Inc. 263,315; Nov. 5; Serial No. 283,884; published Aug. 13, 1929.
Shirts, collars, and pajamas. Marlboro Shirt Company. 263,450; Nov. 5; Serial No. 285,868; published Aug. 13, 1929.
Shirts, etc. Wilson Brothers. 263,625; Nov. 5.
Smocks, aprons, auto coats, etc. Kurtz & Son. 263,875; Nov. 5; Serial No. 286,548; published Aug. 13, 1929.
Socks. Chas. Chipman's Sons Co. Inc. 263,340; Nov. 5; Serial No. 285,962; published Aug. 13, 1929.
Suits and overcoats. Henry Sonneborn Company. 263,322; Nov. 5; Serial No. 279,805; published Aug. 13, 1929.
Suits and overcoats, Men's and boys'. Stein-Bloch Co. 263,314; Nov. 5; Serial No. 284,206; published Aug. 20, 1929.
Suits, cloaks, and wraps for women. M. S. Erdrich. 263,327; Nov. 5; Serial No. 277,061; published Aug. 20, 1929.
Suits, overcoats, topcoats, etc. Sol Williams Co. Incorporated. 263,874; Nov. 5; Serial No. 286,611; published Aug. 13, 1929.
Sweaters and sweater coats, Children's. May Knitting Company. 263,447; Nov. 5; Serial No. 285,928; published Aug. 20, 1929.
Sweaters, swimming suits, knitted and woven dresses. Walton N. Moore Dry Goods Co. 268,816; Nov. 5; Serial No. 283,291; published Aug. 20, 1929.

Sweaters, Women's. Gimbel Brothers, Inc. 263,336; Nov. 5; Serial No. 285,091; published Aug. 20, 1929.
Undergarments. Durawear Corporation. 263,427; Nov. 5; Serial No. 270,460; published July 23, 1929.
Underwear. Julius Kayser & Co. 263,338; Nov. 5; Serial No. 285,028; published Aug. 1, 1929.
Underwear, Ladies'. B. Shander. 263,325; Nov. 5; Serial No. 277,819; published Aug. 20, 1929.
Warmers and sleeping bags, Foot. Tidy Products Co. 263,454; Nov. 5; Serial No. 285,644; published Aug. 20, 1929.

CLASS 42

Bedspreads. Monadnock Mills. 263,346; Nov. 5; Serial No. 285,218; published July 30, 1929.
Cloth for upholstery, lining, and trimming; slip covers, etc. Kemlitz Products Company. 263,259; Nov. 5; Serial No. 240,862; published Aug. 27, 1929.
Cloth in the piece. Vanity Fair Silk Mills. 263,384; Nov. 5; Serial No. 286,215; published Aug. 20, 1929.
Cotton cloth and patches for sugar bags, jute patches and bagging. Seaport Bag Company. 263,319; Nov. 5; Serial No. 282,374; published Aug. 20, 1929.
Cotton duck in the piece. John Boyle & Company Incorporated. 263,632; Nov. 5.
Cotton fabric. W. H. Rollinson & Company, Incorporated. 263,382; Nov. 5; Serial No. 286,201; published Aug. 20, 1929.
Cotton fabric. W. H. Rollinson & Company, Incorporated. 263,388; Nov. 5; Serial No. 286,200; published Aug. 20, 1929.
Cotton fabric metallically coated. W. G. Bretzfeld. 263,629; Nov. 5.
Cotton piece goods and curtains. United Textile Company. 263,364; Nov. 5; Serial No. 281,235; published Aug. 27, 1929.
Cotton, silk, and wool woven goods. General Silk Corporation. 263,354; Nov. 5; Serial No. 284,536; published July 30, 1929.
Cotton, woolen, silk, etc., piece goods. I. Mittelman & Company. 263,530; Nov. 5; Serial No. 286,832; published Aug. 20, 1929.
Fabrics of rayon. Dress. Beverly Fabrics Corporation. 263,313; Nov. 5; Serial No. 284,770; published Aug. 20, 1929.
Hair nets. W. Finkelstein. 263,320; Nov. 5; Serial No. 279,318; published Aug. 20, 1929.
Hair nets. Gibbs & Company. 263,672; Nov. 5.
Handkerchiefs. Heather Handkerchief Works, Inc. 263,387; Nov. 5; Serial No. 286,168; published Aug. 20, 1929.
Materials of cotton, Seat-covering. Consolidated Textile Corporation. 263,321; Nov. 5; Serial No. 280,694; published Aug. 20, 1929.
Piece goods. Gribbon Company. 263,543; Nov. 5; Serial No. 287,088; published Aug. 20, 1929.
Pie fabrics in the piece. Sidney Blumenthal & Co. Inc. 263,596-7; Nov. 5; Serial Nos. 287,280-1; published Aug. 27, 1929.
Rugs and handkerchiefs, Textile steamer. Kaskel & Kaskel Corporation. 263,484; Nov. 5; Serial No. 285,356; published Aug. 20, 1929.
Rugs, Textile. Bay State Rug Co. 263,443; Nov. 5; Serial No. 286,548; published Aug. 27, 1929.
Rugs, Textile. Bay State Rug Co. 263,444; Nov. 5; Serial No. 286,471; published Aug. 27, 1929.
Silk and cotton piece goods. Tilton & Keeler, Inc. 263,529; Nov. 5; Serial No. 286,842; published Aug. 20, 1929.
Silk and part-silk goods. General Silk Corporation. 263,351; Nov. 5; Serial No. 284,537; published July 30, 1929.
Silk and rayon textile fabrics. National Silk Dyeing Company. 263,542; Nov. 5; Serial No. 286,998; published Aug. 20, 1929.
Silk piece goods. Fulton County Silk Mills. 263,483; Nov. 5; Serial No. 286,451; published Aug. 20, 1929.
Textiles. Stohn Bros. Inc. 263,360; Nov. 5; Serial No. 283,472; published Aug. 27, 1929.
Woolen goods. S. Stein & Co. 263,389; Nov. 5; Serial No. 286,140; published Aug. 20, 1929.
Woolen woven cloths. Joseph A. Dempsey, Inc. 268,448; Nov. 5; Serial No. 285,909; published Aug. 20, 1929.

CLASS 43

Threads, Sewing. Max Pollack & Co. 263,593; Nov. 5; Serial No. 287,492; published Aug. 27, 1929.
Yarns, threads, and filaments, Artificial-silk. Du Pont Rayon Company. 263,433; Nov. 5; Serial No. 285,413; published July 30, 1929.

CLASS 44

Atomizers. Marcel Franck, Inc. 263,560; Nov. 5; Serial No. 286,332; published Aug. 20, 1929.
Atomizers and sprayers, Perfume. Central Manufacturing Company. 263,638; Nov. 5.
Corn, callous, and bunion pads, etc. Nature Tread Company of Illinois, Inc. 263,576; Nov. 5; Serial No. 28,798; published Aug. 13, 1929.
Earphones. American Phonograph Corporation. 263,561; Nov. 5; Serial No. 286,852; published Aug. 20, 1929.
Manicure sets. Boston Floral Supply and Snyder Company. 263,298; Nov. 5; Serial No. 286,801; published Aug. 13, 1929.

Manicure sets. Boston Floral Supply and Snyder Company. 263,563; Nov. 5; Serial No. 286,302; published Aug. 13, 1929.
Syringes, hypodermic needles, and sterilizers. Surgical. Antidolor Mfg. Co. 263,581; Nov. 5; Serial No. 282,094; published Aug. 20, 1929.
Syringes, hypodermic needles, and sterilizers. Surgical. Antidolor Mfg. Co. 263,582; Nov. 5; Serial No. 282,092; published Aug. 20, 1929.

CLASS 45

Beverages. R. E. Gondrezick. 263,648; Nov. 5.
Beverages and syrups, extracts, and concentrates for making the same. Maltless. Crystal Soda Water Company. 263,273; Nov. 5; Serial No. 286,743; published Aug. 20, 1929.
Beverages and syrups for making the same. Maltless. O. R. Randall. 263,219; Nov. 5; Serial No. 262,929; published Jan. 8, 1929.
Beverages and syrups therefor. Maltless. Allens Red Tame Cherry Co. 263,333; Nov. 5; Serial No. 284,557; published Aug. 27, 1929.
Beverages, flavoring syrups, extracts, and concentrates for making the same. Maltless. Theonett & Co. 263,263; Nov. 5; Serial No. 285,753; published Aug. 20, 1929.
Beverages, Maltless. H. Goldstein. 263,272; Nov. 5; Serial No. 286,757; published Aug. 20, 1929.
Beverages, Maltless. E. Knuffmann. 263,363; Nov. 5; Serial No. 282,188; published Aug. 27, 1929.
Beverages, Maltless. Meridian Bottling Co. 263,274; Nov. 5; Serial No. 286,494; published Aug. 20, 1929.
Fruit and berry flavors for maltless beverages. M. Aronovich. 263,275; Nov. 5; Serial No. 286,470; published Aug. 20, 1929.
Ginger ale. J. A. Mulvihill. 263,664; Nov. 5.
Waters, ginger ale, soda water, Spring. Rosedale Spring Water Co. 263,654; Nov. 5.

CLASS 46

Apples, Fresh. Gravenstein Apple Growers Co-Operative Association of Sonoma County. 263,571; Nov. 5; Serial No. 277,164; published Aug. 27, 1929.
Barley compound. F. M. E. Blass. 263,306; Nov. 5; Serial No. 284,044; published Aug. 20, 1929.
Bread. Atlanta Baking Company. 263,299; Nov. 5; Serial No. 286,294; published Aug. 27, 1929.
Bread. Capital City Baking Co. 263,549; Nov. 5; Serial No. 285,906; published Aug. 20, 1929.
Bread. Zakas Bakery. 263,624; Nov. 5.
Bread. Wafer. Crispy Baking Company Inc. 263,554; Nov. 5; Serial No. 285,150; published Aug. 20, 1929.
Butter. J. T. Gorman & Son, Inc. 263,574; Nov. 5; Serial No. 282,034; published Aug. 20, 1929.
Candies and confections. Newton Products Company. 263,568; Nov. 5; Serial No. 280,662; published Aug. 27, 1929.
Candy. Benne Candy Company. 263,402; Nov. 5; Serial No. 286,736; published Aug. 20, 1929.
Candy. Bennett-Hubbard Candy Co. 263,400; Nov. 5; Serial No. 286,973; published Aug. 20, 1929.
Candy. Jacobs Candy Company. 263,417; Nov. 5; Serial No. 285,157; published Aug. 27, 1929.
Candy. Life Savers, Inc. 263,410; Nov. 5; Serial No. 286,065; published Aug. 27, 1929.
Candy. Reichardt Cocoa & Chocolate Co. Inc. 263,408; Nov. 5; Serial No. 286,197; published Aug. 20, 1929.
Candy. W. G. Ryan. 263,570; Nov. 5; Serial No. 278,260; published Aug. 27, 1929.
Candy. D. S. Simson. 263,601; Nov. 5; Serial No. 287,206; published Aug. 27, 1929.
Candy bars, Chocolate-coated. J. L. Roche. 263,412; Nov. 5; Serial No. 285,938; published Aug. 20, 1929.
Candy, Chocolate. W. F. Schrafft & Sons Corporation. 263,403; Nov. 5; Serial No. 286,599; published Aug. 27, 1929.
Canned fish. Coast Fishing Company. 263,607; Nov. 5; Serial No. 287,048; published Aug. 27, 1929.
Canned fish. Custom House Packing Corporation. 263,606; Nov. 5; Serial No. 287,053; published Aug. 20, 1929.
Canned fish. San Carlos Canning Co. 263,676; Nov. 5.
Canned fish. Sergeant-Paup Company. 263,405; Nov. 5; Serial No. 286,455; published Aug. 20, 1929.
Canned fruits and canned vegetables. Puyallup & Sumner Fruit Growers Association. 263,610; Nov. 5; Serial No. 287,007; published Aug. 20, 1929.
Canned fruits and vegetables. Sussman, Wormser & Company. 263,404; Nov. 5; Serial No. 286,461; published Aug. 20, 1929.
Canned goods. A. S. Fyrtaarnets Konservesfabrik. 263,214; Nov. 5; Serial No. 268,071; published Aug. 20, 1929.
Canned peas. Calumet Packing Company. 263,565; Nov. 5; Serial No. 284,439; published Aug. 27, 1929.
Canned pineapple. Hawaiian Pineapple Company. 263,656; Nov. 5.
Canned sardines. Angus Watson & Co. (America) Limited. 263,567; Nov. 5; Serial No. 281,931; published Aug. 20, 1929.
Canned sauerkraut, cherries, and sauerkraut juice. Empire State Pickling Co. 263,415; Nov. 5; Serial No. 285,347; published Aug. 27, 1929.

Canned vegetables and pork and beans. Sears & Nichols Corporation. 263,492; Nov. 5; Serial No. 273,253; published Aug. 20, 1929.

Canned vegetables, canned shrimp, and tomato catsup. S. Sofrance. 263,370; Nov. 5; Serial No. 277,558; published Aug. 20, 1929.

Canned vegetables, corn, cove oysters, etc. Nash-Finch Company. 263,305; Nov. 5; Serial No. 284,133; published Aug. 20, 1929.

Cereal food drink. G. D. Moulton. 263,369; Nov. 5; Serial No. 277,908; published Aug. 20, 1929.

Chili, chili mixture, and chili con carne. H. Poff. 263,209; Nov. 5; Serial No. 259,870; published Aug. 20, 1929.

Chocolates and candy, ice cream, biscuits, etc. Bany & Kuhn. 263,254; Nov. 5; Serial No. 285,007; published Aug. 20, 1929.

Coffee. Alabama Coffee Co. 263,409; Nov. 5; Serial No. 286,145; published Aug. 27, 1929.

Coffee. Chas. W. Baermelster Co. 263,413; Nov. 5; Serial No. 285,843; published Aug. 20, 1929.

Coffee. J. C. Perry & Co. 263,555; Nov. 5; Serial No. 287,362; published Aug. 27, 1929.

Coffee, Green. J. A. Medina Company. 263,411; Nov. 5; Serial No. 285,979; published Aug. 20, 1929.

Cookies. Chantilly Kookys Company. 263,557; Nov. 5; Serial No. 285,014; published Aug. 20, 1929.

Dates, seeded and ground. Deglet Noor Date Growers Association. 263,630; Nov. 5.

Eggs. Pike Poultry Plant. 263,294; Nov. 5; Serial No. 286,582; published Aug. 27, 1929.

Feed, Poultry and stock. J. H. Scott. 263,631; Nov. 5.

Fig bars. W. M. Byers. 263,332; Nov. 5; Serial No. 284,162; published Aug. 20, 1929.

Flour. City Mills Company. 263,587; Nov. 5; Serial No. 284,034; published Aug. 20, 1929.

Flour, Blended wheat and rye. Federal Mill & Elevator Co. 263,504; Nov. 5; Serial No. 287,461; published Aug. 27, 1929.

Flour, Graham flour, corn meal, etc. Wheat. Theo. Stivers Milling Company. 263,572; Nov. 5; Serial No. 277,094; published Aug. 20, 1929.

Flour, Plain and self-rising. B. L. Robertson. 263,575; Nov. 5; Serial No. 279,502; published Aug. 20, 1929.

Flour, Wheat. Tempe Milling Company. 263,285; Nov. 5; Serial No. 287,380; published Aug. 27, 1929.

Flour, Wheat. Fisher Flouring Mills Company. 263,296-7; Nov. 5; Serial Nos. 286,495-6; published Aug. 27, 1929.

Flour, Wheat. F. W. Huber, Inc. 263,366; Nov. 5; Serial No. 278,692; published June 25, 1929.

Flour, Wheat. Kansas Mill & Elevator Company. 263,288; Nov. 5; Serial No. 286,829; published Aug. 20, 1929.

Food for poultry and livestock. Universal Mills. 263,552; Nov. 5; Serial No. 285,487; published Aug. 27, 1929.

Food products, tomato juice, and catsup. Tomato Products Company. 263,622; Nov. 5.

Foods, Dog. Foley Dog Supplies, Inc. 263,286; Nov. 5; Serial No. 287,128; published Aug. 27, 1929.

Foods, Poultry. Albers Bros. Milling Co. 263,661; Nov. 5.

Fruits and vegetables, canned fish, dried fruits, Fresh. John Demartini Co. Inc. 263,407; Nov. 5; Serial No. 286,424; published Aug. 20, 1929.

Fruits, Dried. S. A. Trenwith. 263,401; Nov. 5; Serial No. 286,963; published Aug. 20, 1929.

Fruits, Fresh citrus. Co-Operative Citrus Association. 263,418; Nov. 5; Serial No. 285,070; published Aug. 27, 1929.

Fruits, Fresh citrus. St. Johns Fruit Co. 263,668; Nov. 5.

Fruits, Fresh citrus. Tennessee Grove Company. 263,667; Nov. 5.

Fruits, Fresh deciduous. C & E Fruit Co. 263,608-9; Nov. 5; Serial Nos. 287,041-2; published Aug. 27, 1929.

Fruits, Fresh deciduous. Pacific Fruit Exchange. 263,406; Nov. 5; Serial No. 286,449; published Aug. 20, 1929.

Fruits, Fresh deciduous. Simons, Shuttleworth & French Company. 263,569; Nov. 5; Serial No. 279,688; published Aug. 27, 1929.

Grapefruit and oranges, Fresh. Citrus-Gardens Development Co. 263,568; Nov. 5; Serial No. 283,720; published Aug. 27, 1929.

Grapes, Fresh. Sequola Foothill Fruit Growers. 263,604; Nov. 5; Serial No. 287,095; published Aug. 27, 1929.

Grapes, Fresh. Woodbridge Fruit Growers Association. 263,603; Nov. 5; Serial No. 287,099; published Aug. 27, 1929.

Herrings, canned herrings, canned kippered herrings, etc. Fresh. Mac Fisheries Limited. 263,494; Nov. 5; Serial No. 271,452; published Aug. 20, 1929.

Ice cream and ices. General Ice Cream Corporation. 263,240-1; Nov. 5; Serial Nos. 286,110-11; published Aug. 20, 1929.

Lard. Cudahy Packing Company. 263,399; Nov. 5; Serial No. 286,979; published Aug. 20, 1929.

Lettuce and cauliflower, Fresh. H. Y. Minami. 263,573; Nov. 5; Serial No. 284,989; published Aug. 27, 1929.

Milk and cream, Fresh or raw. American Association of Medical Milk Commissions, Inc. 263,592; Nov. 5.

Nuts, nut flakes, chocolate-dipped nuts, etc. General Nut Company. 263,416; Nov. 5; Serial No. 285,203; published Aug. 27, 1929.

Paste food products. V. Lucia Estate. 263,358; Nov. 5; Serial No. 283,876; published Aug. 20, 1929.

Pepper, Ground. A. P. Alarcón. 263,329; Nov. 5; Serial No. 284,382; published Aug. 20, 1929.

Pimento flakes. Mrs. C. B. Gentry. 263,626; Nov. 5.

Pork sausage, English. A. J. Menker. 263,211; Nov. 5; Serial No. 257,885; published Aug. 20, 1929.

Powder for giving stability and smoothness of texture to frozen food products. G. D. Turnbow. 263,432; Nov. 5; Serial No. 285,428; published Aug. 20, 1929.

Prunes, apricots, raisins, apples, etc. Evaporated or dried. Cats American Company. 263,242; Nov. 5; Serial No. 285,730; published Aug. 20, 1929.

Salad oil. Klensler Co. Inc. 263,431; Nov. 5; Serial No. 285,460; published Aug. 20, 1929.

Sandwiches, Prepared. E. W. Nelson. 263,590; Nov. 5; Serial No. 283,964; published Aug. 20, 1929.

Soups, alimentary pastes, bouillon cubes, etc. Knorr Food Products Corporation. 263,495; Nov. 5; Serial No. 276,423; published Aug. 20, 1929.

Spices, paprika, tea, etc. Knickerbocker Mill Co. 263,371; Nov. 5; Serial No. 277,674; published Aug. 20, 1929.

Syrup for food purposes, Malt. S. L. Goldman. 263,372; Nov. 5; Serial No. 277,293; published Aug. 20, 1929.

Syrup, Table. Roanoke Syrup Co. 263,237; Nov. 5; Serial No. 286,199; published Aug. 20, 1929.

Syrups. J. Stromeyer Company. 263,331; Nov. 5; Serial No. 284,316; published Aug. 20, 1929.

Tankage, hog feed, and pig meals. Packer Products Company. 263,660; Nov. 5.

Tea. E. T. Smith Company. 263,627; Nov. 5.

Teas and coffees. Governor and Company of Adventurers of England, Trading into Hudson's Bay. 263,414; Nov. 5; Serial No. 285,455; published Aug. 20, 1929.

Vegetables, Fresh. Sanford-Orledo Truck Growers, Inc. 263,611; Nov. 5; Serial No. 287,014; published Aug. 20, 1929.

Vinegar. Repp Orchard Products Co. 263,429; Nov. 5; Serial No. 285,531; published Aug. 20, 1929.

Walnuts, Toasted black. Blodgett Nut Company. 263,493; Nov. 5; Serial No. 272,690; published Aug. 27, 1929.

CLASS 48

Extracts, Flavoring. M. Paul. 263,500; Nov. 5; Serial No. 275,068; published Aug. 20, 1929.

Malt beverages, Cereal. Royal and Ancient Company. 263,645; Nov. 5.

CLASS 49

Gin, cocktails, sloe gin, etc. Tanqueray, Gordon & Co. Limited. 263,635; Nov. 5.

CLASS 50

Cover for dresses. Henry Paper Co. 263,591; Nov. 5; Serial No. 283,193; published Aug. 20, 1929.

Hair-felt carpet cushioning or padding material. William Scholes & Sons, Inc. 263,553; Nov. 5; Serial No. 285,476; published Aug. 20, 1929.

Jacket and sling, Soft-padded. Charles J. Webb & Company. 263,647; Nov. 5.

Markers, Road. Bulldog Marker Corporation. 263,556; Nov. 5; Serial No. 285,065; published Aug. 6, 1929.

Traps for catching animals. Animal Trap Company of America. 263,657; Nov. 5.

ALPHABETICAL LIST OF LABELS

All Year Frocks. For Wash Dresses for Women. Grether & Grether, Inc. 36,582; Nov. 5.

Angonon's Bread Sticks. For Bread Sticks. A. Angonon, Inc. 36,573; Nov. 5.

Bowl-O. For Rolled Oats. Northern Illinois Cereal Company. 36,584; Nov. 5.

Cascarel. For a Medicinal Preparation. E. McEvoy. 36,583; Nov. 5.

Co-Ed. For Ladies' and Misses' Hosiery. Co-Ed Knitting Mills. 36,577; Nov. 5.

Dry Essence of Natural Spices. For Spices. Wm. J. Stange Co. 36,589; Nov. 5.

Gad Caps. For Capsules for Colds, Neuralgia, and Headaches. Burnex Products, Inc. 36,575; Nov. 5.

Graham Farms. For Butter. R. C. Graham. 36,581; Nov. 5.

Kanna Cat Food. For Prepared Food of Meat, Fish, Milk, and Cereals for Cats. Southwestern Packing Co. 36,588; Nov. 5.

Kanna Puppy Food. For Prepared Food of Meat, Oil, Milk, and Cereals for Puppies. Southwestern Packing Co. 36,587; Nov. 5.

Metro. For Automobile and Furniture Polish. G. Fredkin. 36,580; Nov. 5.

Orbit. For Fresh Oranges. Exeter Citrus Association. 36,579; Nov. 5.

Probak Razor. For Safety Razors. Probak Corporation. 36,585; Nov. 5.

Ready Sliced Wheat King. For Bread. Braun Bros. & Co. 36,574; Nov. 5.

Reichswehr Malt Syrup. For Barley-Malt Extract. Continental Pure Products Co. 36,578; Nov. 5.

Roman Spear. For Potatoes in Their Natural State. J. Castro. 36,576; Nov. 5.

Sun-Maid Figs. For Canned Figs. Sun-Maid Raisin Growers of California. 36,590; Nov. 5.

Table King. For Canned Pineapple. Smart & Final Co. 36,586; Nov. 5.

Travelaid. For Toilet-Seat Covers. Zetex Corporation. 36,594; Nov. 5.

Vegetized. For Macaroni. Vegetable Products Corporation. 36,591; Nov. 5.

Vita Dry. For Ginger Ale. Vita Dry, Inc. 36,592; Nov. 5.

Vitality. For Honey-Fruit Cereal. Vitality Food-Products Corp. 36,593; Nov. 5.

Zinsmaster's Sliced Loaf. For Bread. M. Zinsmaster. 36,595; Nov. 5.

ALPHABETICAL LIST OF PRINTS

Adventure. For Radios. Balkett Radio Company. 12,170; Nov. 5.

Distance. For Radios. Balkett Radio Company. 12,168; Nov. 5.

La Touraine. For Cheese Wafers. La Touraine Co. Inc. 12,172; Nov. 5.

Map of Balkett Radio World. For Radios. Balkett Radio Company. 12,167; Nov. 5.

Munsingwear. For Your Health, Gentlemen! For Underwear. Munsingwear Corporation. 12,173; Nov. 5.

New and Uniform Radio Reach. For Radios. Balkett Radio Company. 12,169; Nov. 5.

Petroleum Products. For Petroleum Products. Paramount Petroleum Company. 12,174; Nov. 5.

Tip Top Bread. For Bread. Ward Baking Company. 12,175; Nov. 5.

You Too Will Like Crosman Seeds. For Seeds. Crosman Seed Co. 12,171; Nov. 5.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Adler, Howard, Chicago Heights, Ill., assignor to Diversey Manufacturing Company. Cleaning metal surface. 1,734,706; Nov. 5.
- Advertising Samples, Inc. (See Hamel, William W., assignor.)
- Aeolian Company, The. (See Dickinson, Joseph H., assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Kobel, Ernst, assignor.)
- Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Gymnasium parallel bar. 1,734,664; Nov. 5.
- Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Gymnasium traveling rings. 1,734,665; Nov. 5.
- Alemite Corporation. (See Davis, Ernest W., assignor.)
- Alland, Maurice, Atlantic City, N. J. Pocket Turkish pipe. 1,734,756; Nov. 5.
- Allen, Gerald H., Kalamazoo, Mich. Battery carrier. 1,734,511; Nov. 5.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shaft packing. 1,734,468; Nov. 5.
- Allen, William R., Hudson, assignor to The American Multigraph Company, Cleveland, Ohio. Apparatus for clamping printing strips on a holder. 1,734,707; Nov. 5.
- Allison, Benjamin F. (See Summey, A. B., Allison, and Summey.)
- Allmanna, Svenska Elektriska Aktiebolaget. (See Norberg, Sven, assignor.)
- Allyn, Edmund E. (See Schickler, Albert C., assignor.)
- Aloisi, Anna, Brooklyn, N. Y. Lamp. Des. 79,781; Nov. 5.
- Alsop, Bennie H., Tillamook, Oreg. Automobile turning signal. 1,734,512; Nov. 5.
- Aluminum Goods Manufacturing Co. (See Drumm, Elmer E., assignor.)
- Aluminum Screw Machine Products Company. (See McDonnell, Frank W., assignor.)
- American Brake Materials Corporation. (See Thompson, James S., assignor.)
- American Can Company. (See Eberhart, Felix, assignor.)
- American Can Company. (See Holloway, J. C., and Schulz, assignors.)
- American Can Company. (See Johantges, John S., assignor.)
- American Can Company. (See Saalbach, Arthur A., assignor.)
- American Cyanamid Company. (See Barsky, G., and Giles, assignors.)
- American Cyanamid Company. (See Christmann, Ludwig J., assignor.)
- American Engineering Company. (See Harrison, Clifford E., assignor.)
- American Fibre Corporation. (See Baldwin, Earl F., assignor.)
- American Multigraph Company, The. (See Allen, William R., assignor.)
- American Piano Company. (See Stoddard, Charles F., assignor.)
- American Radiator Company. (See Eggleston, Lewis W., assignor.)
- American Radiator Company. (See Sterne, Willard F., assignor.)
- American Safety Razor Corporation. (See Behrman, Marcus B., assignor.)
- American Safety Razor Corporation. (See Zeller, Isaiah N., assignor.)
- American Sales Book Company. (See Hagemann, Louis F., assignor.)
- American Seating Company. (See Hamilton, G. H., and White, assignors.)
- American Stay Company. (See Merrick, Frank W., assignor.)
- American Steel and Wire Company of New Jersey, The. (See Tangring, Olof, assignor.)
- American Stove Company. (See Moecker, H., jr., and Hammermeister, assignors.)
- American Telephone and Telegraph Company. (See Carson, John R., assignor.)
- American Telephone and Telegraph Company. (See Clark, A. B., and Crisson, assignors.)
- American Telephone and Telegraph Company. (See Green, I. W., and Inglis, assignors.)
- American Telephone and Telegraph Company. (See Levy, Lucien, assignor.)
- American Telephone and Telegraph Company. (See Shaw, Thomas, assignor.)
- American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
- American Thermometer Company. (See Weisenfels, Charles W., assignor.)
- Amsden & Barnard, Inc. (See Amsden, Eugene C., assignor.)
- Amsden, Eugene C., assignor to Amsden & Barnard, Inc., Boston, Mass. Combination school desk and seat standard. 1,734,105; Nov. 5.
- Amsden, Eugene C., assignor to Amsden & Barnard, Inc., Boston, Mass. Making standards. 1,734,889; Nov. 5.
- Anderson, Arthur, Newton Center, and F. W. A. Henrich, Boston, Mass. Latch. 1,734,708; Nov. 5.
- Anderson, Clare. (See Smith, B. H., and Anderson.)
- Anderson, John, Portland, Conn. Kettle cover. 1,734,608; Nov. 5.
- Andrews, Irving B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thermally-controlled heating apparatus. 1,734,608; Nov. 5.
- Ansonia Clock Company, The. (See Strong, Jan, assignor.)
- Appleton, Ernest G., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill. Switch box. 1,734,322; Nov. 5.
- Appleton, Joseph, assignor to Simplicity Engine & Manufacturing Company, Port Washington, Wis. Centering device for boring and grinding machines. 1,734,787; Nov. 5.
- Ashley, Enoch J., assignor to Steele & Johnson Mfg. Co., Waterbury, Conn. Separable hose connector. 1,734,757; Nov. 5.
- Ashton, Pearl F., assignor to E. E. Weller, Providence, R. I. Buckle. Des. 79,782; Nov. 5.
- Austin, Walter M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,734,190; Nov. 5.
- Auto Fabrics Products, Inc. (See Osten, Joseph W., assignor.)
- Automatic Electric Inc. (See Wicks, John, assignor.)
- Automatic Film Machine Corporation. (See McLaughlin, W. F., and Swing, assignors.)
- Automatic Recording Safe Company. (See Fisher, Charles, assignor.)
- Automotive Maintenance Machinery Co. (See Wacker, F. G., and Zimmerman, assignors.)
- Autopoint Company. (See Vierling, F. J., and Bartholomew, assignors.)
- Averill, William H., assignor to Joseph Pollak Tool and Stamping Company, Boston, Mass. Coin-controlled mechanism for vending machines. 1,734,191; Nov. 5.
- Ayles, William F., Oxhey, England. Bladed hide, skin, or leather working machine. 1,734,106; Nov. 5.
- Babcock, Leland A., Oak Park, assignor to Sprague-Sells Corporation, Hoopeston, Ill. Apparatus for stemming fruits. 1,734,788; Nov. 5.
- Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
- Babcock & Wilcox Company, The. (See Prentice, John, assignor.)
- Babcock & Wilcox Company, The. (See Smith, Herman B., assignor.)
- Backman, Charles. (See Smith, V. A., and Backman.)
- Baddley, James, P. Dootson, A. Shepherdson, and S. Thornley, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Manufacture of new dyestuffs. 1,734,789; Nov. 5.
- Baker, Frank E., assignor to Chapin-Skelton Corporation, Syracuse, N. Y. Garment-pressing machine. 1,734,936; Nov. 5.
- Baker, Harold U. (See Jones, W. S., and Baker.)
- Baker, Lloyd, Slayton, Minn., assignor to Kelly Bros. Co. Guiding device for tractors. 1,734,151; Nov. 5.
- Baker, Russell W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Insulation-forming machine. 1,734,192; Nov. 5.
- Baldwin, Cloise H., assignor to Texas Steel Company, Fort Worth, Tex. Swing. 1,734,845; Nov. 5.
- Baldwin, Earl F., assignor to American Fibre Corporation, Gardner, Mass. Harness mechanism for looms. 1,734,513; Nov. 5.
- Baltimore Valve Corporation. (See Walter, Albert U., assignor.)
- Balz-Erzerzeugung Gesellschaft mit beschränkter Haftung. (See Balz, Georg, assignor.)
- Balz, Georg, assignor to Balz-Erzerzeugung Gesellschaft mit beschränkter Haftung, Gleiwitz, Germany. Mechanical roasting furnace. 1,734,552; Nov. 5.
- Bandt, Helmuth F., Chicago, Ill. Photograph exhibitor. 1,734,790; Nov. 5.
- Banks, Robert, Allico, British Columbia, Canada. Bullhook device. 1,734,610; Nov. 5.

Banner Rock Corporation. (See Hufine, Kenneth W., assignor.)
 Banschbach, Edward A., Chicago, Ill. Protector for automobiles. 1,734,758; Nov. 5.
 Barber Asphalt Company, The. (See Browne, Frank A., assignor.)
 Barnhart Brothers & Spindler. (See Dietz, August, assignor.)
 Barone, Luis H., Buenos Aires, Argentina. Footwear. 1,734,846; Nov. 5.
 Barr, Sidney U., Montclair, N. J. Ventilator. 1,734,759; Nov. 5.
 Barrett, Glenn J., Evanston, assignor to Portable Adding Machine Company, Chicago, Ill. Listing mechanism for adding machines. 1,734,069; Nov. 5.
 Barsky, George, New York, N. Y., and I. V. Giles, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing benzoic acid. 1,734,029; Nov. 5.
 Bartels, Erich, assignor to the firm of Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Primer lock. 1,734,152; Nov. 5.
 Bartholomew, Fred R. (See Vierling, F. J., and Bartholomew.)
 Bartlett, Harry D., Delavan, Wis. Radio receiving apparatus. 1,734,553; Nov. 5.
 Barton, Theophilus F., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,734,890; Nov. 5.
 Baschon, Felix A. (See Hendricks, William F., assignor.)
 Baskick Company, The. (See Herold, Walter F., assignor.)
 Bate, John W., Racine, Wis. Combination chain and lock. 1,734,153; Nov. 5.
 Bauer, Carl F. (See Beller, M., and Bauer.)
 Baur, Hugo J., and E. H. Thompson, assignor, by mesne assignments, to S. S. Gorham, trustee, Chicago, Ill. Zone fare system. 1,734,283; Nov. 5.
 Bausch & Lomb Optical Company. (See Haering, Carl G., assignor.)
 Bausch & Lomb Optical Company. (See Koehler, August F., assignor.)
 Bausch & Lomb Optical Company. (See Welsh, James W., assignor.)
 Bayley, Arthur J., Milwaukee, Wis. Front-wheel drive. 1,734,709; Nov. 5.
 Becher, Harold. (See Canton, A. A., and Becher.)
 Beck, Mary V., Long Beach, Calif. Spring inner tube. 1,734,323; Nov. 5.
 Beckerman, Mollie. (See Marinsky, Davis, assignor.)
 Beckwith, Edward S., Albion, Nebr. Rope halter. 1,734,891; Nov. 5.
 Bectan, William L., Halls, Tenn. Combined backband buckle and trace-supporting loop. 1,734,414; Nov. 5.
 Beetz, Wilhelm, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Meter damping magnet. 1,734,193; Nov. 5.
 Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Making narrow-gauge razor blades. 1,734,554; Nov. 5.
 Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
 Beller, Melchior, and C. F. Bauer, assignors to The Dual Speedometer Company, Cleveland, Ohio. Speed-indicating mechanism. 1,734,070; Nov. 5.
 Bennett, Ashley C., Minneapolis, Minn. Air cleaner. 1,734,030; Nov. 5.
 Bennett, Orma J. (See Bull, Archer A., assignor.)
 Bennett, William F., assignor to Goodwin Brothers Automobile Company, Inc., Newcastle, Ind. Antirattler and fastener for vehicle doors. 1,734,555; Nov. 5.
 Benson, George A. (See Johnson, J. A., and Benson.)
 Benson, George A., and F. Scholl, Norfolk, Va. Container for fluid under pressure. 1,734,514; Nov. 5.
 Bergmann, Christian N., Pittsburgh, Pa., E. Z. Taylor, Newark, N. J., and C. Taylor, Hartford, Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa. Unit-measuring machine. 1,734,108; Nov. 5.
 Bergmann, Christian N., Pittsburgh, Pa., E. Z. Taylor, Newark, N. J., and C. Taylor, J. P. Jensen, and W. A. Fenn, Hartford, Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa. Unit-measuring machine. 1,734,107; Nov. 5.
 Bergmann Packaging Machine Company. (See Bergmann, C. N., and Taylor, assignors.)
 Bergmann Packaging Machine Company. (See Bergmann, C. N., Taylor, Jensen, and Fenn, assignors.)
 Bergmans, Jan. (See Holst, G., Bergmans, and Bol.)
 Bethlehem Steel Company. (See Ring, F. G., and Paris, assignors.)
 Beusch, Willi, assignor to Landis & Gyr A.-G., Zug, Switzerland. Wattless component meter. 1,734,109; Nov. 5.
 Beusch, Willi, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Controlling induction electricity meters. 1,734,110; Nov. 5.
 Bicknell, Frank A., Florence, Mass., assignor to Puro Sanitary Drinking Fountain Company, Haydenville, Mass. Push valve. 1,734,791; Nov. 5.
 Bieri, Richard E., and J. H. Patterson, Seattle, Wash. Stabilizer. 1,734,194; Nov. 5.
 Bierfield, Albert S., Chicago, Ill., assignor to Home Safety Corporation. Window guard. 1,734,415; Nov. 5.
 Bingham, Robert F., Portland, Oreg. Wrist-pin joint. 1,734,244; Nov. 5.
 Binocular Stereoscopic Film Company. (See Elder, Robert F., assignor.)

Bishop, Joseph W., Muskegon Heights, Mich., assignor to The Brunswick-Balke Collender Company, Chicago, Ill. Hinge for toilet seats. 1,734,558; Nov. 5.
 Bittel, William W., Streator, Ill. Combined smoking stand and humidifier. Des. 79,783; Nov. 5.
 Bittman, Jesse C., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire-block-stripping mechanism. 1,734,360; Nov. 5.
 Blair, Robert S., Stamford, Conn. Telescope construction. 1,734,284; Nov. 5.
 Blalack, Jacob L., Los Angeles, Calif. Circuit-controlling device. 1,734,071; Nov. 5.
 Blalack, Jacob L., Los Angeles, Calif. Towline. 1,734,072; Nov. 5.
 Blecha, Edward, Humboldt, Nebr. Harness construction. 1,734,195; Nov. 5.
 Block, Harold C. (See Steward, W. M., and Block.)
 Bloom, Edgar J., Tiffin, Ohio. Gas-venting device. 1,734,361; Nov. 5.
 Bloom, Frank A. L., Detroit, Mich. Apparatus for handling merchandise. 1,734,318; Nov. 5.
 Blumenberg, Henry, Jr. (See Buley, A. M., and Blumenberg.)
 Blumenberg, Henry, Jr., Moapa, Nev. Making aluminum chlorosulphate. 1,734,196; Nov. 5.
 Blumenberg, Henry, Jr., Los Angeles, Calif. Filtering material. 1,734,197; Nov. 5.
 Bock, Walter C., Norwood, Ohio. Sign holder. Des. 79,784; Nov. 5.
 Boeing Airplane Company. (See Monteith, C. N., and Walloch, assignors.)
 Bol, Cornelis. (See Holst, G., Bergmans, and Bol.)
 Bond Electric Corporation. (See Zerner, M., and Reinhardt, assignors.)
 Bond, William G., Holly Oak, Del. Seal. 1,734,847; Nov. 5.
 Borchert, Albert G., Cleveland, Ohio. Manufacturing screen frames. 1,734,710; Nov. 5.
 Borden Company, The. (See McClatchie, John M., assignor.)
 Borg & Beck Company, The. (See Gamble, David E., assignor.)
 Born, William F., assignor to R. R. Roberts, Lakewood, Ohio. Automatic windshield wiper. 1,734,937; Nov. 5.
 Bosca, Ernest E., Pasadena, Calif. Cigar lighter. Des. 79,785; Nov. 5.
 Bouton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,734,198; Nov. 5.
 Bower, George W., Schenectady, N. Y., assignor to General Electric Company. Pull-off for trolley wires. 1,734,892; Nov. 5.
 Boyd, Truman O., et al. (See Ross, Warren A., assignor.)
 Bracker, Otto, Hanau-on-the-Main, Germany. Cock or tap for controlling fluids. 1,734,416; Nov. 5.
 Braden, Albert R. (See Hays, J. J., and Braden.)
 Bradshaw, William M., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Damping system. 1,734,199; Nov. 5.
 Brandes Laboratories, Inc. (See Vansickle, Melvin E., assignor.)
 Brandon, Stephen A., Fresno-sur-Sarthe, France. Machine for cutting ribbons from bias or straight woven textile fabric, leather, rubber, or other similar materials. 1,734,848; Nov. 5.
 Brannon, Arvis, Rome, Ga. Open fireplace. 1,734,849; Nov. 5.
 Brasel, Thomas C., Corbin, Ky. Clamp for railway-car wheels. 1,734,792; Nov. 5.
 Braselton, Chester H., New York, N. Y. Making lead compounds. 1,734,285; Nov. 5.
 Brazell, Fred W., and O. W. Brazell, St. Joseph, Mo. Metallic weather strip. 1,734,711; Nov. 5.
 Brazell, Otis W. (See Brazell, Fred W. and O. W.)
 Brice, Albert L., Frederick, Md., assignor to The Frederick Iron & Steel Company, Frederick, Md. Automatic drain valve. 1,734,028; Nov. 5.
 Briggs, Arthur J., Syracuse, N. Y., assignor to Industries of America, Inc. Rotary kiln. 1,734,417; Nov. 5.
 Briggs and Stratton Corporation. (See Jacobi, Edward N., assignor.)
 British Dyestuffs Corporation Limited. (See Baddiley, J., Dootson, Shepherdson, and Thornley, assignors.)
 Brodnax, Bland. (See Castro, Manuel A., assignor.)
 Brotz, Anton F., assignor to Kohler Company, Kohler, Wis. Automatic generating plant. 1,734,557; Nov. 5.
 Brown, Frank J., Pittsburgh, Pa. Grating. 1,734,471; Nov. 5.
 Brown, Henry K., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,734,154; Nov. 5.
 Brown, Lloyd J., Evanston, assignor to E. P. Smith, Springfield, Ill. Brake-hanger support. 1,734,712; Nov. 5.
 Brown, Thomas W., Washington, D. C. Reflecting sign. Des. 79,786; Nov. 5.
 Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Separator. 1,734,324; Nov. 5.
 Brownell, Charles O., assignor to The Wrap-Rite Corporation, Chicago, Ill. Bread-wrapping machine. 1,734,362; Nov. 5.
 Brunninghaus, Alfred, Dortmund, Germany. Bearing adjusting means for roller mills. 1,734,798; Nov. 5.
 Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)

Brussel, John W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Making hobs. 1,734,558; Nov. 5.
 Buley, Amos M., Los Angeles, Calif., and H. Blumenberg, Jr., Moapa, Nev. Making aluminum chloride. 1,734,200; Nov. 5.
 Bull, Archer A., assignor of one-half to O. J. Bennett, North East, Pa. Vine cutter. 1,734,794; Nov. 5.
 Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,734,760; Nov. 5.
 Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Spiral finned tubing and making same. 1,734,111; Nov. 5.
 Bundy Tubing Company, The. (See Bundy, Harry W., assignor.)
 Bundy Tubing Company, The. (See Kramer, Nathan, assignor.)
 Burnheimer, Charles W. (See Recen, Henry A., assignor.)
 Burrage, Albert C., Jr. (See Morse, Henry B., assignor.)
 Burrage, Albert C., Jr. (See Zimmermann, Max H., assignor.)
 Burton, Frank C., Chicago, Ill. Radiocabinet. Des. 79,787; Nov. 5.
 Busch-Sulzer Bros. Diesel-Engine Co. (See Heftli, Wilhelm, assignor.)
 Butler, Frank D., Norfolk, Va. Combustion engine method and apparatus. 1,734,286; Nov. 5.
 Buttenuth, Robert N., New York, N. Y. Cover. 1,734,761; Nov. 5.
 Camel Company. (See Eklind, C. E., and Darrow, assignors.)
 Camel Company. (See Tobin, K. J., and Darrow, assignors.)
 Caminez, Harold, Garden City, assignor to Fairchild-Caminez Engine Corporation, New York, N. Y. Fuel pump. 1,734,155; Nov. 5.
 Cannon, Hugh H., Los Angeles, Calif., assignor to Oliver United Filters, Inc. Tubular filter press. 1,734,325; Nov. 5.
 Canton, Allen A., and H. Becher, New York, N. Y. Multiple attachment plug. 1,734,073; Nov. 5.
 Carborundum Company, The. (See Hawke, Clarence E., assignor.)
 Carlson, George, Ansonia, Conn., assignor to General Electric Company. Adjustably-supporting outlet boxes. 1,734,893; Nov. 5.
 Carlson, John A. E., assignor to Jacobson Manufacturing Company, Racine, Wis. Power mower. 1,734,713; Nov. 5.
 Carlson, Walter C., assignor to Milwaukee Paper Box Company, Milwaukee, Wis. Dispensing device. 1,734,031; Nov. 5.
 Carlson, Wendell L., Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for signal reception. 1,734,894; Nov. 5.
 Carner, Jefferson C., Marietta, Ohio. Shut-off device. 1,734,074; Nov. 5.
 Carr, Evans P., Rochester, N. Y. Making toe stiffeners. 1,734,418; Nov. 5.
 Carson, John R., Harmon-on-Hudson, N. Y., assignor to American Telephone and Telegraph Company. Radio receiving system. 1,734,112; Nov. 5.
 Carter, Donald M., et al. (See Ross, Warren A., assignor.)
 Cartledge, Frank, Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,734,938; Nov. 5.
 Cartledge, Frank, Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,734,940; Nov. 5.
 Cartledge, Frank, Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,734,939; Nov. 5.
 Casale, Luigi, deceased, Rome, by M. Casale-Sacchi, administratrix, Rapallo-Genoa, Italy. Preparation of mixtures of carbon monoxide and hydrogen from hydrocarbons. 1,734,559; Nov. 5.
 Casale-Sacchi, Maria, administratrix. (See Casale, Luigi.)
 Cascade Fixture Company. (See Seeger, Oscar F., assignor.)
 Cassat, Paul M., Abilene, Kans. Internal-combustion engine. 1,734,201; Nov. 5.
 Castro, Manuel A., San Francisco, assignor of one-half to B. Brodnax, Berkeley, Calif. Traffic signal. 1,734,431; Nov. 5.
 Cauwenberg, Winfred J. (See Much, W. M., and Cauwenberg.)
 Celebritone Limited. (See Green, Harold, assignor.)
 Centenaro, Esteban. (See Matarese, A., and Centenaro.)
 Central Alloy Steel Corporation. (See Orr, William S., assignor.)
 Cermak, Anthony C., insane, by M. A. Cermak, guardian, Chagrin Falls, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Brush supporting and adjusting means for vacuum cleaners. 1,734,895; Nov. 5.
 Cermak, Mabel A., guardian. (See Cermak, Anthony C.)
 Champ Electric Company. (See Chandler, Daniel L., assignor.)
 Chandler, Daniel L., assignor to Champ Electric Company, Boston, Mass. Electric bread toaster. 1,734,611; Nov. 5.
 Chapin-Skeleton Corporation. (See Baker, Frank E., assignor.)
 Chemical Machinery Corporation. (See Field, Crosby, assignor.)

Chesnutt, John L., et al. (See Chesnutt, William M., assignor.)
 Chesnutt, William M., Fresno, Calif., assignor to J. L. Chesnutt, Long Beach, and F. M. Ray, Oakland, Calif. Caster wheel. 1,734,326; Nov. 5.
 Chesnutt, William M., Fresno, Calif., assignor to J. L. Chesnutt, Long Beach, and F. M. Ray, Oakland, Calif. Swivel caster. 1,734,363; Nov. 5.
 Childers, George P., San Francisco, Calif. Sign character. Des. 79,788; Nov. 5.
 Chitty, William C., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Electrical valve actuation. 1,734,419; Nov. 5.
 Christensen, Martin C. (See Katzele, R. A., and Christensen.)
 Christian, Herbert W., Windsor, Ontario, Canada. Water heater. 1,734,075; Nov. 5.
 Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Inhibitor. 1,734,560; Nov. 5.
 Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Inhibiting compound. 1,734,561; Nov. 5.
 Church, Lewis H., Roselle, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 1,734,202; Nov. 5.
 Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
 Cincinnati Victor Company, The. (See Ryder, Charles D., assignor.)
 Clark, Alva B., Maplewood, and G. Crisson, East Orange, N. J., assignors to American Telephone and Telegraph Company. Telephone repeater circuits. 1,734,113; Nov. 5.
 Clark, J. R., Co., The. (See Kalkren, John E., assignor.)
 Clarke, Alex A., Chicago, Ill. Work-engaging support for surface-treating machines. Re17,482; Nov. 5.
 Claxton, Howard J., Chicago, Ill. Valve-gear control. 1,734,795; Nov. 5.
 Clayton Oil and Refining Company. (See Cross, Walter M., assignor.)
 Clemens, Otto, Berlin-Charlottenburg, Germany. Curb without mouthpiece. 1,734,156; Nov. 5.
 Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Sliding cover for dumping bodies. 1,734,327; Nov. 5.
 Clementson, Carl M., and S. O. H., Malmo, Sweden. Internal-combustion engine. 1,734,076; Nov. 5.
 Clementson, Sven O. H. (See Clementson, Carl M. and S. O. H.)
 Clemmons, Herbert D., Sturgis, Mich., assignor to Scovill Manufacturing Company, Waterbury, Conn. Ball cock. 1,734,762; Nov. 5.
 Cleveland Trust Company, The. (See Grutner, John R., assignor.)
 Clifford Corporation, The. (See Clifford, Walter B., assignor.)
 Clifford, Walter B., Framingham, assignor to The Clifford Corporation, Boston, Mass. Oil-rectifying apparatus for internal-combustion motors. 1,734,666; Nov. 5.
 Cline, Allan J., Chicago, Ill. Driving mechanism for printing presses. 1,734,077; Nov. 5.
 Cluett, Peabody & Co. (See Cluett, Sanford L., assignor.)
 Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Making textiles and textile articles. 1,734,896; Nov. 5.
 Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Device for shrinking cloth. 1,734,897; Nov. 5.
 Coboon, Luther E., La Grange, Ill. Flushing apparatus. 1,734,472; Nov. 5.
 Cole, Elmer K., Winterset, Iowa. Anchor for use in veneering concrete structures. 1,734,364; Nov. 5.
 Coleman, Charles S., Los Angeles, Calif. Fishhook. 1,734,812; Nov. 5.
 Collins, Arthur J., Detroit, Mich. Machine for treating belts. 1,734,865; Nov. 5.
 Collison, Edward E. (See Hoke, F., Rossebo, and Collison.)
 Columbus Dental Manufacturing Company, The. (See Evans, David E., assignor.)
 Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
 Compo, John J., Defiance, Ohio. Thermostatic switch. 1,734,473; Nov. 5.
 Concor Mfg. Company, The. (See Gorsuch, Robert A., assignor.)
 Connor, James G., assignor of one-third to H. L. Reynolds and one-sixth to S. T. Hurlock, Jr., Harrisburg, Pa. Aeroplane. 1,734,114; Nov. 5.
 Connors, John M., Forest Station, Me. Horse collar. 1,734,796; Nov. 5.
 Conrad, Isiah, assignor to F. O. Schoedinger, Columbus, Ohio. Loose-leaf binder. 1,734,898; Nov. 5.
 Conry, Kate, Philadelphia, Pa. Pie ring. 1,734,328; Nov. 5.
 Consolidated Steel Corporation. (See Griffin, Alvah M., assignor.)
 Continental Motors Corporation. (See Niven, Archie M., assignor.)
 Cook Laboratories, Inc. (See Brown, Henry K., assignor.)
 Coolidge, Joseph R., 3d., Brookline, assignor to Montan, Inc., Boston, Mass. Impregnated wood and treating wood. 1,734,714; Nov. 5.

Coolidge, Joseph R., 3d., Brookline, assignor to Montan, Inc., Boston, Mass. Fire proofed wood and treating wood. 1,734,715; Nov. 5.
 Cooper, Arthur V., sr., Rome, N. Y. Educational device. 1,734,115; Nov. 5.
 Cooper, Kenneth F., Great Neck, N. Y. Sodium-cyanide compound and producing the same. 1,734,562; Nov. 5.
 Copeland Products, Inc. (See Cornell, Frederick J., assignor.)
 Coppus, Frans H. C., et al., trustees. (See Coppus, Frans H. C., assignor.)
 Coppus, Frans H. C., assignor to A. M. C. Wechsberg, V. L. Wood, and F. H. C. Coppus, trustees, Worcester, Mass. Locomotive drafting plant. 1,734,078; Nov. 5.
 Cornell, Frederick J., assignor to Copeland Products, Inc., Detroit, Mich. Refrigerator. 1,734,386; Nov. 5.
 Cornell, John E., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Bag-binding method and apparatus. 1,734,287; Nov. 5.
 Corwin, Harry L., Los Angeles, Calif. Drafting instrument and attachment. 1,734,813; Nov. 5.
 Corvill, Charles N., Mamaroneck, N. Y. Holder for stick material. 1,734,116; Nov. 5.
 Corvill, Charles N., Mamaroneck, N. Y. Holder for stick material. 1,734,117; Nov. 5.
 Cotta Transmission Corporation. (See Tritz, John H., assignor.)
 Cowles, George P., Brooklyn, N. Y. Electrical actuating means for clocks and other instruments. 1,734,941; Nov. 5.
 Cox, Joseph E. (See Nash, F. L., and Cox.)
 Cram, Carola M., Springfield, Vt. Tool chuck. 1,734,814; Nov. 5.
 Crary, Cecil R., assignor to G. T. Crary, Detroit, Mich. Closure for containers. 1,734,367; Nov. 5.
 Crary, Cecil R., assignor to G. T. Crary, Detroit, Mich. Closure. 1,734,583; Nov. 5.
 Crary, Cecil R., assignor to G. T. Crary, Detroit, Mich. Closure. 1,734,584; Nov. 5.
 Crary, Grace T. (See Crary, Cecil R., assignor.)
 Creamery Package Mfg. Company, The. (See Godfrey, Joseph H., assignor.)
 Creamery Package Mfg. Company, The. (See Hippenmeyer, Irving R., assignor.)
 Creamery Package Mfg. Company, The. (See Ladewig, A. E., and Seelich, assignors.)
 Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)
 Creech, Isaac H., Cumberland, Ky. Liquid-dispensing apparatus. 1,734,474; Nov. 5.
 Creighton, Frank M., Americus, Ga., and W. E. Gray, Memphis, Tenn., assignors to Moore Dry Kiln Company, Jacksonville, Fla. Dry kiln. 1,734,850; Nov. 5.
 Cress, Horatio G., Troy, Ohio. Memorandum slate. Des. 79,789; Nov. 5.
 Crison, George. (See Clark, A. B., and Crison.)
 Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
 Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
 Crompton & Knowles Loom Works. (See Hutchins, Allan S., assignor.)
 Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
 Crompton & Knowles Loom Works. (See Unwin, K. J., and Wakefield, assignors.)
 Cross, Walter M., Kansas City, Mo. Heater. 1,734,079; Nov. 5.
 Cross, Walter M., Kansas City, Mo., assignor to Clayton Oil and Refining Company, Dallas, Tex. Dephlegmator. 1,734,615; Nov. 5.
 Cumner, Arthur B., New York, N. Y. Fluid gun. 1,734,368; Nov. 5.
 Curtis, Charles G., New York, N. Y. Two-cycle internal-combustion engine. 1,734,459; Nov. 5.
 Curtis, Howard R., Brawley, Calif. Valve tool. 1,734,420; Nov. 5.
 Cutler-Hammer Inc. (See Stevens, W. C., and Meuer, assignors.)
 Dale, Walter D. (See Larson, George A., assignor.)
 Daniel, Thomas A., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for welding. 1,734,718; Nov. 5.
 Darrow, William W. (See Eklind, C. E., and Darrow.)
 Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating fitting. 1,734,288; Nov. 5.
 Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Salvage mechanism for leno looms. 1,734,942; Nov. 5.
 Dayton Malleable Iron Company, The. (See Runyan, William B., assignor.)
 Dayton Scale Company. (See Rogers, Joseph E., assignor.)
 De Boer, John H., Syracuse, N. Y. Bed stay. 1,734,616; Nov. 5.
 Dedge, John L., Port Orange, Fla. Wrench machine. 1,734,475; Nov. 5.
 Delco-Remy Corporation. (See Baker, Russell W., assignor.)
 Delco-Remy Corporation. (See Norviel, Harry E., assignor.)

Deming, Adele L., Elizabeth, N. J. Dress protector. 1,734,157; Nov. 5.
 Deming Company, The. (See Randolph, Alfred, assignor.)
 Dennis, William J., Chicago, Ill. Metal weather stripping. 1,734,118; Nov. 5.
 De Witt, William J., assignor to The Shoe Form Co., Inc., Auburn, N. Y. Fitting lasts and shoes. 1,734,203; Nov. 5.
 Diamond Power Specialty Corporation. (See Thomas, Willis P., assignor.)
 Dice, Glen L. (See Rouch, Vernon E., assignor.)
 Dickerson, Walter H., East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del. Desiccation apparatus. 1,734,289; Nov. 5.
 Dickey, Cromwell B. (See Raleigh, W. P., and Dickey.)
 Dickinson, Joseph H., Larchmont, N. Y., assignor to The Aeolian Company, Automatic piano. 1,734,717; Nov. 5.
 Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 79,790; Nov. 5.
 Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 79,791; Nov. 5.
 Dietz, August, Richmond, Va., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. Des. 79,792; Nov. 5.
 Disco, Noah C., Pittsfield, Mass. Jar opener. 1,734,204; Nov. 5.
 Distefano, Quirino V., Waterbury, Conn. Apparatus for generating electricity. 1,734,245; Nov. 5.
 Di Tella, Torcuato, Buenos Aires, Argentina. Pump for the delivery of liquids in predetermined amounts. 1,734,421; Nov. 5.
 Diversey Manufacturing Company. (See Adler, Howard, assignor.)
 Doddridge, Elmer, South Bend, Ind. Shock absorber. 1,734,157; Nov. 5.
 Doehler Die-Casting Company. (See Morin, Louis H., assignor.)
 Doehler Vending Machines, Inc. (See Morin, Louis H., assignor.)
 Doherty Research Company. (See Morgan, John D., assignor.)
 Dolan, Charles H., jr., Honolulu, Hawaii. Machine for treating the tops of pineapples. 1,734,159; Nov. 5.
 Domore Chain Company. (See Olson, Percy W.)
 Donald, Forrest V., assignor to The Gilson Manufacturing Company, Port Washington, Wis. Transmission unit. 1,734,718; Nov. 5.
 Donaldson Manufacturing Company Limited. (See Hadden, William J., assignor.)
 Donnelley, R. R., & Sons Co. (See Frazier, Philip A., assignor.)
 Dootson, Percy. (See Baddley, J., Dootson, Shepherdson, and Thornley.)
 Dorfman, Sidney, Bronx, N. Y. Fabric for stretching machines with preliminary stretching. 1,734,160; Nov. 5.
 Dorr Company, The. (See Knowles, John H., assignor.)
 Douglas, Harry A., Bronson, Mich. Circuit-controlling device. 1,734,665; Nov. 5.
 Draft-Rater Corporation. (See Johnson, J. A., and Benson, assignors.)
 Drake, Alden M., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Grinding-wheel slide and adjusting mechanism therefor. 1,734,080; Nov. 5.
 Draper Corporation. (See Davis, Harry A., assignor.)
 Draper Corporation. (See Leonard, Harry A., assignor.)
 Draper, Isaac S., Sullivan, Ind. Headlight antiglare device. 1,734,081; Nov. 5.
 Drumm, Elmer E., assignor to Aluminum Goods Manufacturing Co., Manitowoc, Wis. Closure cap. 1,734,586; Nov. 5.
 Dual Speedometer Company, The. (See Beller, M., and Bauer, assignors.)
 Dufficy, William J., Denver, Colo. Bar ratchet for screen rollers. 1,734,797; Nov. 5.
 Dumanois, Emile P., Boulogne-sur-Seine, France, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Internal-combustion engine. 1,734,763; Nov. 5.
 Dumanois, Emile P., Boulogne-sur-Seine, France, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Internal-combustion engine. 1,734,764; Nov. 5.
 Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
 Dunham, Clayton A., Glencoe, Ill., assignor, by mesne assignments, to C. A. Dunham Company, Marshalltown, Iowa. Primer for vacuum pumps. 1,734,567; Nov. 5.
 Du Plessis, Milton P., Evanston, Ill., assignor to Ready-Bilt Store Equipment Company. Storage structure. 1,734,161; Nov. 5.
 Du Pont, E. I., de Nemours & Company. (See Gebauer-Fuelnegg, Erich, assignor.)
 Dura Company, The. (See Hanson, Miles G., assignor.)
 Dura Company, The. (See Nicholson, Stanley W., assignor.)
 Dutton, Harley B., Franklin Township, Somerset County, N. J. Composition for application to tractive surfaces. 1,734,798; Nov. 5.
 Eagle Lites, Inc. (See Grossman, Julius, assignor.)
 Eagle Manufacturing Company, The. (See Paul, J., and Miller, assignors.)

Eagle Pencil Company. (See Solinger, Leo, assignor.)
 Eberhart, Felix, Newark, N. J., assignor to American Can Company, New York, N. Y. Can-spraying machine. 1,734,280; Nov. 5.
 Eckhart Company. (See Gibson, Harry L., assignor.)
 Eckstein, Reuben, New York, N. Y. Electric-lamp socket. 1,734,162; Nov. 5.
 Economy Fuse and Manufacturing Company. (See Gordon, David D., assignor.)
 Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, New York, N. Y. Controlling means. 1,734,205; Nov. 5.
 Eichwede, Heinz, E. Fischer, and A. Sieglitz, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-soluble arylazodiamine dyestuffs and making same. 1,734,246; Nov. 5.
 Elsenhauer, Charles P., Dayton, Ohio. Heating, ventilating, and humidifying apparatus. 1,734,163; Nov. 5.
 Ekberg, Nels, St. Paul, Minn. Grabhook. 1,734,719; Nov. 5.
 Eklind, Carl E., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Metal car end. 1,734,247; Nov. 5.
 Ekvall, Edward E., Elgin, assignor to The W. H. Howell Company, Geneva, Ill. Smoking stand. Des. 79,793; Nov. 5.
 Ekvall, Edward E., Elgin, assignor to The W. H. Howell Company, Geneva, Ill. Base for smoking stands. Des. 79,794; Nov. 5.
 Elder, Robert F., assignor to Binocular Stereoscopic Film Company, Los Angeles, Calif. Producing colored films. 1,734,476; Nov. 5.
 Eldred, Byron E., Great Neck, N. Y., assignor to RCA Photophone, Inc. Photophonic apparatus and method. 1,734,248; Nov. 5.
 Electric Outlet Company. (See White, Ernest C., assignor.)
 Electric Vacuum Cleaner Company. (See Cermak, Anthony C., assignor.)
 Electrolux Servel. (See Tandberg, John G., assignor.)
 Elkington, Leigh A., New York, N. Y. Harmonica holder. 1,734,799; Nov. 5.
 Elliott, William S., Pittsburgh, Pa. Method and apparatus for degasifying liquids. 1,734,515; Nov. 5.
 Ellis, French, McAndrews, assignor of one-half to J. A. Helm, Stone, Ky. Switch. 1,734,851; Nov. 5.
 Ellison Bronze Company. (See Ellison, Edward H., assignor.)
 Ellison, Edward H., Jamestown, assignor to Ellison Bronze Company, Inc., Falconer, N. Y. Gun port. 1,734,720; Nov. 5.
 El Paso Sash & Door Company. (See Trammell, Earl M., assignor.)
 Elters, William S., assignor to The Gem Metal Shield, Inc., Dayton, Ohio. Radiator hood. 1,734,568; Nov. 5.
 Epperson, Frank W., Oakland, Calif. Confectionery-making apparatus. 1,734,765; Nov. 5.
 Erba Aktiengesellschaft. (See Seck, Willy, assignor.)
 Essex Specialty Co. (See Gehrig, William F., assignor.)
 Estrem, Joseph O., administrator. (See Kittelson, Helmer C.)
 Evans, David E., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Shipping card for backings for artificial teeth. 1,734,032; Nov. 5.
 Everedy Company, The. (See Lebhers, Harry J., assignor.)
 Everhot Heater Company. (See Shuell, Frank W., assignor.)
 Evershed & Vignoles, Limited. (See Perry, Charles E., assignor.)
 Evlurde, Ole, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation, Spring-cushioned drive for propellers. 1,734,119; Nov. 5.
 Faber, Leon, assignor, by mesne assignments, to National Foam System Inc., Philadelphia, Pa. Producing fire-extinguishing foam. 1,734,164; Nov. 5.
 Fairchild-Camies Engine Corporation. (See Camies, Harold, assignor.)
 Farlin, Elmer W., Spencer, Nebr. Animal-poking implement. 1,734,082; Nov. 5.
 Farrell, Edward P., assignor to The Sit O'Sleep Furniture Company, Toledo, Ohio. Bed chair. 1,734,943; Nov. 5.
 Farrington, Charles E., Phoenixville, Pa. Stirring device. 1,734,120; Nov. 5.
 Faulda, Norval M., Clearwater, Fla. Device for porch curtains. 1,734,800; Nov. 5.
 Favorite Stove & Range Company, The. (See Herwig, C. J., and Spielman, assignors.)
 Fay, J. A., & Egan Company, The. (See Hirst, James E., assignor.)
 Federal Motor Truck Co. (See Ingersoll, George B., assignor.)
 Felt, Abraham. (See Felt, Hyman, assignor.)
 Felt, Hyman, Brooklyn, assignor to A. Felt, New York, N. Y. Pocket. 1,734,422; Nov. 5.
 Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Brake-lever extension. 1,734,249; Nov. 5.
 Fenn, Wilson A. (See Bergmann, C. N., Taylor, Jensen, and Fenn.)
 Ferris, William S. (See Olson, Percy W., assignor.)
 Fetter, Edward, Baltimore, Md. Tire-vulcanizing apparatus. 1,734,766; Nov. 5.

Field, Crosby, Yonkers, N. Y., assignor to Chemical Machinery Corporation. Heating and controlling chemical reactions at high temperatures. 1,734,329; Nov. 5.
 Finch, Stanley W., Washington, D. C. Needle and the like. 1,734,423; Nov. 5.
 Finnegan, Florence H. (See Martin, A., and Finnegan.)
 Flore, Carmine, New York, N. Y. Hot-water table. 1,734,667; Nov. 5.
 Fisch, Henry W., Los Angeles, Calif. Hydraulic clean-out device. 1,734,206; Nov. 5.
 Fischer, Charles, Jr., Wyoming, and W. T. Reddish, assignors to The Twitchell Process Company, Cincinnati, Ohio. Solphonic body. 1,734,369; Nov. 5.
 Fischer, Erich. (See Eichwede, H., Fischer, and Sieglitz.)
 Fischer, Ernst, Berlin-Tempelhof, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Stiemensstadt, Germany. Manufacturing long-distance telegraph and telephone cables. 1,734,207; Nov. 5.
 Fisher, Charles, Newark, N. J., assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings bank. 1,734,617; Nov. 5.
 Fisher, Harold J., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical wave transmission system. 1,734,121; Nov. 5.
 Fisk Rubber Company, The. (See Wikle, George F., assignor.)
 Flitz, Gerald, Ray H., Birmingham, Ala. Carton. 1,734,424; Nov. 5.
 Flagg, Howard A., Norfolk, Va. Piston oil shield. 1,734,480; Nov. 5.
 Foote, Edmund, assignor of one-third to M. Voll and one-third to F. F. Hopkins, Seattle, Wash. Door for freight cars. 1,734,370; Nov. 5.
 Foster Machine Company. (See McKean, John O., assignor.)
 Foulds, Robinson P., J. T. Marsh, and F. C. Wood, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England. Textile material and the production thereof. 1,734,516; Nov. 5.
 Fowle, Irving H., Dorchester, Mass. Container. 1,734,477; Nov. 5.
 Fox, Charles A., Deer Lodge, Mont. Electric switch mechanism. 1,734,668; Nov. 5.
 Frampton, Wilbur R., and W. R. Reed, Independence, Kans. Auxiliary magazine for automatic rifles. 1,734,582; Nov. 5.
 Frank, Emil R., assignor of one-third to W. D. Gamel, Sioux City, Iowa. Mechanism for automatically opening and closing garage doors. 1,734,899; Nov. 5.
 Fransen, Nicklas, Long Beach, Calif., assignor to Mississippi Glass Company, New York, N. Y. Producing sheet glass. 1,734,250; Nov. 5.
 Frazier, Philip A., assignor to R. R. Donnelley & Sons Co., Chicago, Ill. Sheet holder. 1,734,618; Nov. 5.
 Frederick Iron & Steel Company, The. (See Brice, Albert L., assignor.)
 Freise, Heinrich, Bochum, Germany. Aeroplane wing. 1,734,801; Nov. 5.
 French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,734,802; Nov. 5.
 French, Willard C., Milton, Mass., assignor to Hookless Fastener Company, Meadville, Pa. Tape for stringers for separable fasteners. 1,734,165; Nov. 5.
 Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 79,795; Nov. 5.
 Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 79,796; Nov. 5.
 Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 79,797; Nov. 5.
 Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 79,798; Nov. 5.
 Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 79,799; Nov. 5.
 Friederich, Ernst, Berlin, Germany, assignor, by mesne assignments, to General Electric Company. Leading-in wire for glass vessels. 1,734,900; Nov. 5.
 Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,734,083; Nov. 5.
 Frigidaire Corporation. (See Warner, C., and Horlacher, assignors.)
 Frisch, August, Rebstein, St. Gallen, Switzerland. Lubricant and fuel pump. 1,734,721; Nov. 5.
 Frisch, Martin, St. Louis, Mo., assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-fuel-burning furnace. 1,734,669; Nov. 5.
 Frost, Warren H., Long Beach, assignor to Steelastec Company, Los Angeles, Calif. Supporter. 1,734,371; Nov. 5.
 Fuller Brush Company, The. (See Smith, Curtiss F., assignor.)
 Funck, Carl, Cologne-on-the-Rhine, Germany. Device for investigating and ascertaining the digestive action of the stomach and the changes of its contents. 1,734,084; Nov. 5.
 Gable, Frank R., Wheaton, Ill. Portable shelter. 1,734,803; Nov. 5.
 Gallon Metallic Vault Company. (See Smith, Ralph E., assignor.)

Gallagher, Walter J., N. E. Wolf, and W. F. Wolf, assignors to Premier Sport Products, Inc., New York, N. Y. Game package. 1,734,425; Nov. 5.
 Gallet, Maurice, Poughkeepsie, N. Y. Aero propelling and steering means. 1,734,251; Nov. 5.
 Gamble, David E., Detroit, Mich., assignor to The Borg & Beck Company, Chicago, Ill. Clutch. 1,734,767; Nov. 5.
 Gamel, Wesley D. (See Frank, Emil R., assignor.)
 Garrison, Herman, Chicago, Ill. Can opener. 1,734,517; Nov. 5.
 Garrup, Paul A., Islip, N. Y. Lock nut. 1,734,461; Nov. 5.
 Gates, Steve, Braddock, Pa. Life preserver. 1,734,619; Nov. 5.
 Gebauer-Fuehnegg, Erich, Vienna, Austria, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose condensation product and making same. 1,734,291; Nov. 5.
 Gehrig, William F., assignor to Essex Specialty Co., Inc., Berkeley Heights, N. J. Pyrotechnical device. 1,734,722; Nov. 5.
 Geis, Wilfred H., Los Angeles, Calif. Device for orientating whipstocks. 1,734,033; Nov. 5.
 Gem Metal Shield, Inc., The. (See Elters, William S., assignor.)
 General Aniline Works, Inc. (See Eichwede, H., Fischer, and Sieglitz, assignors.)
 General Aniline Works, Inc. (See Krecke, Friedrich, assignor.)
 General Electric Company. (See Barton, Theophilus F., assignor.)
 General Electric Company. (See Bower, George W., assignor.)
 General Electric Company. (See Carlson, George, assignor.)
 General Electric Company. (See Carlson, Wendell L., assignor.)
 General Electric Company. (See Friederich, Ernst, assignor.)
 General Electric Company. (See Hall, Chester I., assignor.)
 General Electric Company. (See Hollnagel, Herbert P., assignor.)
 General Electric Company. (See Hull, John I., assignor.)
 General Electric Company. (See Jones, Charles E., assignor.)
 General Electric Company. (See Lyon, Henry W., assignor.)
 General Electric Company. (See Peek, Frank W., Jr., assignor.)
 General Electric Company. (See Read, John C., assignor.)
 General Electric Company. (See Scott, Carl F., assignor.)
 General Electric Company. (See Tovey, George H., assignor.)
 General Electric Company. (See Tripp, Augustus B., assignor.)
 General Electric Company. (See Valentine, Irving R., assignor.)
 General Electric Company. (See Weaver, Simon H., assignor.)
 General Electric Company. (See Webb, L. W., and Woodward, assignors.)
 General Electric Company. (See Weed, James M., assignor.)
 General Gas Light Company. (See Humphrey, Hubert R., assignor.)
 General Spring Bumper Corporation. (See Jandus, Herbert S., assignor.)
 General Spring Bumper Corporation. (See Jandus, H. S., and Rasmussen, assignors.)
 Gerrie, Stanley S., Sault Ste. Marie, Mich. Press for paper tablets. 1,734,901; Nov. 5.
 Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, Wilhelm, assignor.)
 Giacomini, August, Torrington, Conn. Cigar piercer. 1,734,620; Nov. 5.
 Gibson, Harry L., assignor to Eckhart Company, Port Washington, Wis. Des. 79,800; Nov. 5.
 Gildehaus, Richard F., Jr., Dallas, Tex. Vaporizer and fuelizer for internal-combustion engines. 1,734,723; Nov. 5.
 Giles, Isaac V. (See Barsky, G., and Giles.)
 Gilson Manufacturing Company, The. (See Donald, Forrest V., assignor.)
 Ginsburg, Lionel L., assignor to Saginaw Furniture Shops, Saginaw, Mich. Cabinet. Des. 79,801; Nov. 5.
 Glaspy, George C., Burlington, N. C. Combined engine-head support and valve-spring compressor. 1,734,122; Nov. 5.
 Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,734,123; Nov. 5.
 Gleason Works. (See Head, Ernest C., assignor.)
 Glidden, Alfred A., and T. M. Knowland, Watertown, and A. M. Greim, Dorchester, assignors to Hood Rubber Company, Watertown, Mass. Top boot and process for manufacturing. 1,734,478; Nov. 5.
 Glidden, Robert M., Watertown, Mass. Fastening device for overshoes. 1,734,479; Nov. 5.
 Godfrey, Joseph H., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Valve. 1,734,569; Nov. 5.

Godfrey, Joseph H., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Pasteurizing apparatus. 1,734,570; Nov. 5.
 Godfrey, Joseph H., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Pasteurizing apparatus. 1,734,571; Nov. 5.
 Godstrey, Percival F., New York, N. Y., assignor to Quickin Piston Company, Inc. Removable piston. 1,734,085; Nov. 5.
 Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,734,480; Nov. 5.
 Goldberg, Isaac, Kansas City, Kans. Display box. 1,734,621; Nov. 5.
 Goldheir, Samuel, Brooklyn, N. Y. Comb-vending machine. 1,734,724; Nov. 5.
 Golladay, Lawrence R., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning-arrester unit. 1,734,208; Nov. 5.
 Gonzales, Manuel C., Mexico, Mex. Air compressor. 1,734,292; Nov. 5.
 Goodman Manufacturing Company. (See Sloane, William W., assignor.)
 Goodrich, B. F., Company, The. (See Mell, Tod J., assignor.)
 Goodrich, B. F., Company, The. (See Merz, Christian J., assignor.)
 Goodspeed, George D., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Stop motion for looms. 1,734,252; Nov. 5.
 Goodwin Brothers Automobile Company. (See Bennett, William F., assignor.)
 Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lint clearer for filling stop motions. 1,734,086; Nov. 5.
 Gordon, David D., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Adjustable candle-socket mounting. 1,734,572; Nov. 5.
 Gordyn, Cornelius, Jr. (See Snyder, G. C., Gordyn, van de Kamp, and Mailand.)
 Gorham, Sidney S., Trustee. (See Baur, H. J., and Thompson, assignors.)
 Gorin, Frederick P., Seattle, Wash. Banking stop for typewriters. 1,734,518; Nov. 5.
 Gorsuch, Robert A., assignor to The Congor Mfg. Company, Gambler, Ohio. Brooder and heating means therefor. 1,734,481; Nov. 5.
 Gottlieb Bros. and Lachman, Inc. (See Gottlieb, Jacob, assignor.)
 Gottlieb, Jacob, assignor to Gottlieb Bros. and Lachman, Inc., New York, N. Y. Infant's bathtub. 1,734,462; Nov. 5.
 Goudy, Carl F., Flushing, assignor to Pacent Electric Company, Inc., New York, N. Y. Electrical connection. 1,734,432; Nov. 5.
 Grab, Gustav A., assignor to Willamette Iron and Steel Works, Portland, Oreg. Traversing hoist. 1,734,330; Nov. 5.
 Grabler Manufacturing Company, The. (See McCabe, Frank E., assignor.)
 Graham, Guy G., Kansas City, Mo. Canine nasal irrigator. 1,734,426; Nov. 5.
 Graham Metal Manufacturing Company. (See Graham, Ralph A., assignor.)
 Graham, Ralph A., assignor to Graham Metal Manufacturing Company, Kansas City, Mo. Bottle cap. 1,734,372; Nov. 5.
 Granberg, Emil, St. Louis, Mo. Combined radiocabinet and clock. Des. 79,802; Nov. 5.
 Grand Rapids Brass Company. (See Roeding, Gordon E., assignor.)
 Gray, Ross E., Washington, D. C. Pantographic-reproducing apparatus. 1,734,573; Nov. 5.
 Gray, Wallace C., Assiniboia, Saskatchewan, Canada. Flexible drive. 1,734,427; Nov. 5.
 Gray, William E. (See Creighton, F. M., and Gray.)
 Green, Edward B., Jr., Buffalo, N. Y. Wardrobe. 1,734,768; Nov. 5.
 Green, Harold, assignor to Celebritone Limited, London, England. Sound-amplifying system. 1,734,944; Nov. 5.
 Green, Irving W., Cranford, and A. H. Inglis, Upper Montclair, N. J., assignors to American Telephone and Telegraph Company. Universal telephone set. 1,734,124; Nov. 5.
 Greene, Haskell M., Taft, Calif. Cementing oil, gas, and water wells. 1,734,670; Nov. 5.
 Greene, Oscar V., Cleveland, Ohio. Filter element. 1,734,125; Nov. 5.
 Greenfield Tap and Die Corporation. (See Drake, Alden M., assignor.)
 Gregory, Arnold W., deceased, by M. A. Gregory, Greenwich, London, England, executrix. Treatment of ore for the recovery of titanium. 1,734,034; Nov. 5.
 Gregory, Margaret A., executrix. (See Gregory, Arnold W.)
 Greim, Arthur M. (See Glidden, A. A., Knowland, and Greim.)
 Greve, Edgar E., Bellevue, Pa. Rotary with power-measuring means. 1,734,482; Nov. 5.
 Griffin, Alvah M., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif. Floating deck and swing pipe therefor. 1,734,622; Nov. 5.
 Griffin, Alvah M., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif. Floating deck for reservoirs. 1,734,623; Nov. 5.

Grimm, George F., Peoria, Ill. Skid. 1,734,373; Nov. 5.
 Grininger, John H., St. Paul, Minn. Window wedge. 1,734,483; Nov. 5.
 Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Body for lamps or analogous articles. Des. 79,803; Nov. 5.
 Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Body for lamps or analogous articles. Des. 79,804; Nov. 5.
 Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Body for lamps or analogous articles. Des. 79,805; Nov. 5.
 Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Body for lamps or analogous articles. Des. 79,806; Nov. 5.
 Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Body for lamps or analogous articles. Des. 79,807; Nov. 5.
 Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Body for lamps or analogous articles. Des. 79,808; Nov. 5.
 Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Base for lamps or analogous articles. Des. 79,809; Nov. 5.
 Grunetter, John R., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Bottle-cleaning apparatus. 1,734,463; Nov. 5.
 Guinsburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Catamenial appliance. 1,734,464; Nov. 5.
 Gulf Refining Company. (See Prichard, G. L., and Henderson, assignors.)
 Gunn, Fred M., El Paso, and W. F. Gunn, Fort Worth, Tex. Measuring conveyor. 1,734,671; Nov. 5.
 Gunn, Willis F. (See Gunn, Fred M., and W. F.)
 Gunter, James E., Baltimore, Md. Container. 1,734,484; Nov. 5.
 Gurian, Samuel, Yonkers, N. Y. Device for assembling metal grids. 1,734,485; Nov. 5.
 Gurnea, Andrew C., Chicago, Ill. Butcher's block. 1,734,853; Nov. 5.
 Gutzelt, Charles W., New York, N. Y. Bearing device for penknives. 1,734,126; Nov. 5.
 Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Fastening means for securing fabric to a rigid base. 1,734,769; Nov. 5.
 Haering, Carl G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Making fused multifocal lenses. 1,734,428; Nov. 5.
 Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Paper aligner for billing machines. 1,734,374; Nov. 5.
 Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Strip-aligning device for billing machines and the like. 1,734,574; Nov. 5.
 Hazard, George R., Denver, Colo. Dump body for trucks. 1,734,725; Nov. 5.
 Haggart, John C., Jr., assignor to Republic Motor Truck Co., Inc., Alma, Mich. Four-wheel truck. 1,734,331; Nov. 5.
 Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electrically-wound clock. 1,734,902; Nov. 5.
 Hallowell, Clifton C., Drexel Hill, Pa., assignor to The S. S. White Dental Manufacturing Company. Artificial tooth. 1,734,253; Nov. 5.
 Hamel, William W., New York, N. Y., assignor to Advertising Samplers, Inc., Wilmington, Del. Advertising or display device. 1,734,575; Nov. 5.
 Hamilton, George H., Grand Rapids, and R. A. White, Walker Township, Kent County, assignors to American Seating Company, Grand Rapids, Mich. Seat structure. 1,734,576; Nov. 5.
 Hamilton, James T., Berkeley, Calif. Refrigerating coil. 1,734,127; Nov. 5.
 Hamilton, Rush, Piedmont, assignor to Standard Gas Engine Co., Oakland, Calif. Gear and bearing assembly for Fordson tractors. 1,734,375; Nov. 5.
 Hammermeister, Otto. (See Moecker, H., Jr., and Hammermeister.)
 Hand, Carl N., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture and use of insecticides. 1,734,519; Nov. 5.
 Hanover, Charles B., Spokane, Wash. Toothbrush. 1,734,429; Nov. 5.
 Hansen, Adolph C., Chicago, Ill. Talking machine. 1,734,087; Nov. 5.
 Hansen Canning Machinery Corporation. (See Hansen, Oswald H., assignor.)
 Hansen, Oswald H., Milwaukee, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Canning machine. 1,734,166; Nov. 5.
 Hanson, Miles G., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Forming window-regulator gear members and apparatus therefor. 1,734,903; Nov. 5.
 Harbert, Victor H., Chicago, Ill. Brake-hanger-suspending means. 1,734,088; Nov. 5.
 Hardy, Charles, New York, N. Y. Cigar lighter. 1,734,465; Nov. 5.
 Hargrave, Charles W., Yeoman, Ind. Combination bog roller and feeder. 1,734,035; Nov. 5.

Harrison, Charles L., Casper, Wyo., assignor, by mesne assignments, of forty-seven and one-half per cent to The Leidecker Tool Company, Marietta, Ohio. Hydraulic rotary-drill bit. 1,734,672; Nov. 5.
 Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Two-piece ram-box cap. 1,734,854; Nov. 5.
 Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piston diaphragm having tangential corrugations. 1,734,624; Nov. 5.
 Harrison, Laurence S. (See Larrabee, C. E., and Harrison.)
 Hartcup, John A., Newhouse, England. Indicating elements of measuring instruments. 1,734,430; Nov. 5.
 Harter, Isaac, Dongan Hills, N. Y., and A. M. Kohler, Jersey City, N. J. Refractory product and making the same. 1,734,726; Nov. 5.
 Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)
 Harvard, Louie S., and S. L. Live Oak, Fla. Protective case for books and bookmarkers. 1,734,376; Nov. 5.
 Harvard, Susie L. (See Harvard, Louie S., and S. L.)
 Hastings, Roland T. R., Highland Park, Ill. Card-filing system. 1,734,128; Nov. 5.
 Hatcher, Fonza E., Richmond, Va. Advertising stand. 1,734,804; Nov. 5.
 Hausotte, Oscar E., Portland, Oreg. Turbine. 1,734,332; Nov. 5.
 Hawke, Clarence E., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Fuel-burning apparatus. 1,734,486; Nov. 5.
 Hawley, Jesse B., Wilmette, assignor, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill. Sound-reproducing device. 1,734,377; Nov. 5.
 Hawthorne, Primus R., assignor to The Petroleum Iron Works Company, Sharon, Pa. Apparatus for testing pipe. 1,734,805; Nov. 5.
 Haynes, Rufus L., Smackover, Ark., assignor of one-half to J. O. Modisette, Jennings, La. Snubber for automobiles. 1,734,806; Nov. 5.
 Hazelwood, Albert F., Sapulpa, Okla. Door knob. 1,734,520; Nov. 5.
 Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Apparatus for relieving taper hobs. 1,734,254; Nov. 5.
 Heald, James N., Worcester, and A. Turner, Shrewsbury, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. Re17,477; Nov. 5.
 Heald Machine Company, The. (See Heald, J. N., and Turner, assignors.)
 Hedfeldt, Axel T., Minneapolis, Minn. Screen-cleaning device. 1,734,255; Nov. 5.
 Hedgdon, Mead, Syracuse, N. Y. Portable ironing machine. 1,734,089; Nov. 5.
 Heftl, Wilhelm, Wulfingen, Switzerland, assignor to Busch-Sulzer Bros. Diesel-Engine Co., St. Louis, Mo. Air-starting gear. 1,734,673; Nov. 5.
 Heller, Bernard. (See Skolnik, M., and Heller.)
 Heller, Hugo, Cedar Grove, Wis. Stove. Des. 79,810; Nov. 5.
 Hellweg, Henry, assignor to Helzen Corporation, Milwaukee, Wis. Moistener. 1,734,293; Nov. 5.
 Helm, Joseph A. (See Ellis, French, assignor.)
 Helzen Corporation. (See Hellweg, Henry, assignor.)
 Henderson, Herbert. (See Prichard, G. L., and Henderson.)
 Henderson, James B., Blackheath, England. Support for gyroscopes and other sensitive elements. 1,734,129; Nov. 5.
 Hendricks, William F., assignor of one-third to F. A. Baschon, Richmond, Va. Animal trap. 1,734,855; Nov. 5.
 Henrici, Fritz W. A. (See Anderson, A., and Henrici.)
 Henry, William, Newark, N. J. Instrument support for music stands. 1,734,577; Nov. 5.
 Herman, John H., New Castle, Pa. Fishing tool. 1,734,807; Nov. 5.
 Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Furniture slide. 1,734,727; Nov. 5.
 Herrenbruck, Herman, assignor to Orhon Stove Co., Belleville, Ill. Stove. 1,734,578; Nov. 5.
 Herwig, Conrad, Jr., and W. J. Spielman, assignors to The Favorite Stove & Range Company, Piqua, Ohio. Range construction. 1,734,674; Nov. 5.
 Heuze, Charles, Auvelais, Belgium. Guide rail for tables of apparatus for grinding, smoothing, and polishing plate or sheet glass and other similar materials. 1,734,036; Nov. 5.
 Hevi Duty Electric Company. (See Koenig, Leon C., assignor.)
 Heyman, Oscar, New York, N. Y. Linked jewelry and making it. 1,734,625; Nov. 5.
 Heys, George H., et al., executors. (See Heys, J. J., and Braden.)
 Heys, John J., deceased, by L. A. and G. H. Heys, executors, Lynn, and A. R. Braden, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Pressing form and making it. 1,734,294; Nov. 5.
 Heys, Lucy A., et al., executor. (See Heys, J. J., and Braden.)
 Heywood-Wakefield Company. (See Goodspeed, George D., assignor.)

Hicken, Elmer E., Collingswood, N. J. Tender. 1,734,308; Nov. 5.
 Hickman, Millard R. (See Westling, L. L., and Hickman.)
 Higgins, Edward L., Sidcup, England. Permutation lock. 1,734,579; Nov. 5.
 Highway Trailer Company. (See Clement, Charles G., assignor.)
 Highway Trailer Company. (See Williams, Leroy E., assignor.)
 Hildebrandt, Edward, Tacoma, Wash. Can. 1,734,378; Nov. 5.
 Hillborn, Henrik, Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 79,811; Nov. 5.
 Hillborn, Herbert J. (See Schriel, A., and Hillborn.)
 Hippenmeyer, Irving R., Waukegan, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Spraying device. 1,734,580; Nov. 5.
 Hirst, James E., assignor to The J. A. Fay & Egan Company, Cincinnati, Ohio. Power-controlled rip-sawing machine. 1,734,090; Nov. 5.
 Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,734,379; Nov. 5.
 Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,734,380; Nov. 5.
 Hoch, George, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 79,812; Nov. 5.
 Hoch, George, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket or similar article. Des. 79,813; Nov. 5.
 Hoch, George, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 79,814; Nov. 5.
 Hoch, George, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket or similar article. Des. 79,815; Nov. 5.
 Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Manual and power operated typewriter. 1,734,728; Nov. 5.
 Hoke, Frank, G. H. Rossebo, and E. E. Collison, assignors to Holcomb & Hoke Mfg. Company, Indianapolis, Ind. Food dispenser. 1,734,466; Nov. 5.
 Holcomb & Hoke Mfg. Company. (See Hoke, F., Rossebo, and Collison, assignors.)
 Hollnagel, Herbert P., Swampscott, Mass., assignor to General Electric Company. Apparatus for shaping silica. 1,734,904; Nov. 5.
 Holloway, Joseph C., New Orleans, and H. A. Schulz, Algiers, La., assignors to American Can Company, New York, N. Y. Double-body tearing-strip can. 1,734,295; Nov. 5.
 Holman, Charles H., and O. W. Hooppaw, St. Louis, Mo. Coating for wood, metal, or other surfaces and making the same. 1,734,130; Nov. 5.
 Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for Axminster looms. 1,734,091; Nov. 5.
 Holmes, Frank G., assignor to Lenox, Inc., Trenton, N. J. Plate or similar article. Des. 79,816; Nov. 5.
 Holmes, Henry R., assignor to The R. Thomas & Sons Company, East Liverpool, Ohio. Suspension insulator fitting. 1,734,167; Nov. 5.
 Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,734,296; Nov. 5.
 Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,734,945; Nov. 5.
 Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,734,946; Nov. 5.
 Holst, Gilles, J. Bergmans, and C. Rol, assignors to Naamloose Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Leading-in conductor. 1,734,809; Nov. 5.
 Home Safety Corporation. (See Blerfield, Albert S., assignor.)
 Hood Rubber Company. (See Gilden, A. A., Knowland, and Grelm, assignors.)
 Hookless Fastener Company. (See French, Willard C., assignor.)
 Hookless Fastener Company. (See Sundback, Gideon, assignor.)
 Hooppaw, Oscar W. (See Holman, C. H., and Hooppaw.)
 Hope, Stanley C., Springfield, Mass. Safety razor. 1,734,521; Nov. 5.
 Hopkins, Frank F., et al. (See Foss, Edmund, assignor.)
 Horlacher, Elmer L. (See Warner, C., and Horlacher.)
 Horn, Arno, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Measured-service telephone system. 1,734,729; Nov. 5.
 Horwitz, Will. (See Markham, Henry C., assignor.)
 Howard, Albert S., Great Neck, assignor to J. R. Vogel, New York, N. Y. Motion-picture screen. 1,734,467; Nov. 5.
 Howarth, Harry A. S., Pittsburgh, assignor, by mesne assignments, to Kingsbury Machine Works, Inc., Philadelphia, Pa. Cooling system for bearings. 1,734,905; Nov. 5.

Howarth, Harry A. S., assignor, by mesne assignments, to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 1,734,906; Nov. 5.
 Howell, W. H., Company, The. (See Ekvall, Edward E., assignor.)
 Hoyt, John D., Reno, Nev. Rotary engine. 1,734,433; Nov. 5.
 Huber, John, St. Louis, and M. Rosentreter, University City, Mo. 1,734,381; Nov. 5.
 Hudson Motor Car Company. (See Fekete, Stephen I., assignor.)
 Huffine, Kenneth W., assignor, by mesne assignments, to Banner Rock Corporation, Alexandria, Ind. Insulating structure. 1,734,209; Nov. 5.
 Hull, John L., Schenectady, N. Y., assignor to General Electric Company. Brush-shifting device. 1,734,907; Nov. 5.
 Hull, Sidney M., Western Springs, Ill. Method and apparatus for reproducing sound. 1,734,675; Nov. 5.
 Hulme, John G., Chisholm, Minn. Haircloth and bib holder. 1,734,626; Nov. 5.
 Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Radiating element for electric heaters. 1,734,382; Nov. 5.
 Hunter, David E., assignor to Shaw-Walker Company, Muskegon, Mich. Vertical filing cabinet. 1,734,168; Nov. 5.
 Hunter, G. G. Guthrie, et al. (See Trenzen, Carl, assignor.)
 Hurlock, S. T., Jr., et al. (See Connor, James G., assignor.)
 Hutchins, Allan S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom shuttle. 1,734,092; Nov. 5.
 Hutchins, William Y., Kingsport, Tenn. Closure. 1,734,434; Nov. 5.
 Huth, Dr. Erich F., G. m. b. H. (See Rosenbaum, B., and Pohle, assignors.)
 I. G. Farbenindustrie Aktiengesellschaft. (See Lommel, W., Münzel, Stötter, and Wenk, assignors.)
 Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
 Industrial Spray-Drying Corporation. (See Lamont, Dallas R., assignor.)
 Industrial Waste Products Corporation. (See Dickerson, Walter H., assignor.)
 Industries of America, Inc. (See Briggs, Arthur J., assignor.)
 Ingersoll, George B., Dearborn, assignor to Federal Motor Truck Co., Detroit, Mich. Self-lubricating pin. 1,734,581; Nov. 5.
 Ingersoll, Robert H., deceased, New York, N. Y.; C. S. Smith, Lansing, Mich., and F. C. Leubuscher, Essex Falls, N. J., executors, assignors to Robt. H. Ingersoll, Inc., New York, N. Y. Razor-blade stropper. 1,734,487; Nov. 5.
 Ingersoll, Robt. H., Inc. (See Ingersoll, Robert H., assignor.)
 Inglis, Alfred H. (See Green, I. W., and Inglis.)
 International Bleaching Corporation, The. (See Merrill, Albert D., assignor.)
 International Combustion Engineering Corporation. (See Frisch, Martin, assignor.)
 International Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
 International Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
 International Combustion Engineering Corporation. (See Wood, Wilfred R., assignor.)
 International Harvester Company. (See Johnson, Arnold E. W., assignor.)
 International Harvester Company. (See Mitchell, Robert M., assignor.)
 International Harvester Company. (See Mowry, Edward, assignor.)
 International Harvester Company. (See Pearson, Charles, assignor.)
 International Harvester Company. (See Peterson, Walter R., assignor.)
 International Harvester Company. (See Raney, Clemma R., assignor.)
 International Harvester Company. (See Thompson, William H., assignor.)
 International Harvester Company. (See Wessman, Arnt W., assignor.)
 International Musical Corporation. (See Large, John H., assignor.)
 International Paper Company. (See Read, Robert E., assignor.)
 International Pavement Company, The. (See Morrison, Robert F., assignor.)
 International Silver Company. (See Hillborn, Henrik, assignor.)
 International Silver Company. (See Rolfe, Walter T., assignor.)
 International Time Recording Company of New York. (See Larrabee, C. E., and Harrison, assignors.)
 Intertype Corporation. (See Sperry, Samuel E., assignor.)
 Irgens, Finn T. (See King, D. W., and Irgens.)
 Irsh, Jacob, New York, assignor of one-half to B. E. Jones, Freeport, N. Y. Amusement ride. 1,734,856; Nov. 5.
 Iverson, Christean, Inc. (See Paulson, Arthur, assignor.)
 Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Lock. 1,734,383; Nov. 5.
 Jacobs, Charles E. (See Sévigné, H. A., and Jacobs.)
 Jacobson, Alvin E. (See Johnson, Paul A., assignor.)

Jacobson Manufacturing Company. (See Carlson, John A. E., assignor.)
 Jakob, Victor, assignor to Walker Manufacturing Company, Racine, Wis. Hydraulic lifting jack. 1,734,582; Nov. 5.
 Jandus, Herbert S., assignor to General Spring Bumper Corporation, Detroit, Mich. Bumper clamp. 1,734,488; Nov. 5.
 Jandus, Herbert S., Detroit, Mich., assignor by mesne assignments to General Spring Bumper Corporation. Automobile bumper. Des. 79,817; Nov. 5.
 Jandus, Herbert S., and C. E. Rasmussen, Detroit, Mich., assignors by mesne assignments to General Spring Bumper Corporation. Vehicle bumper. Des. 79,818; Nov. 5.
 Jandus, Herbert S., and C. E. Rasmussen, Detroit, Mich., assignors by mesne assignments to General Spring Bumper Corporation. Vehicle bumper. Des. 79,819; Nov. 5.
 Jaques, Ernando O., Jr., Providence, R. I. Dual tooth crown. 1,734,676; Nov. 5.
 Jeffers, Clarence E., assignor to Martin-Parry Corporation, York, Pa. Automobile windshield hinge. 1,734,810; Nov. 5.
 Jeffries, Carl F., Royal Oak, assignor to Packard Motor Car Company, Detroit, Mich. Machining compression recesses in cylinder heads. 1,734,908; Nov. 5.
 Jenckes, Frederick L. (See Miller, M. C., and Jenckes.)
 Jennings, Aaron E., Central City, Ky. Automobile tire. Des. 79,820; Nov. 5.
 Jensen, John P. (See Bergmann, C. N. Taylor, Jensen, and Fenn.)
 Jereb, Paul, Ekalaka, Mont. Internal-combustion engine. 1,734,489; Nov. 5.
 Jochantzes, John S., Montreal, Quebec, Canada, assignor to American Can Company, New York, N. Y. Can. 1,734,736; Nov. 5.
 Johns-Manville Corporation. (See Parsons, Raymond V., assignor.)
 Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Harvester thrasher. 1,734,435; Nov. 5.
 Johnson, Gust, Orrin, N. Dak. Draft equalizer. 1,734,436; Nov. 5.
 Johnson, James A., and G. A. Benson, Virginia Beach, assignors to Draft-Rater Corporation, Norfolk, Va. Draft control for steam boiler furnaces. 1,734,210; Nov. 5.
 Johnson, Jarl, Fort Frances, Ontario, Canada. Renewable fuse. 1,734,211; Nov. 5.
 Johnson, Paul A., assignor of one-half to A. E. Jacobson, Grand Haven, Mich. Toilet seat hinge. 1,734,169; Nov. 5.
 Johnston, John J., Vancouver, British Columbia, Canada, assignor to Johnston Tool Company, Vancouver, Canada. Saw frame. 1,734,212; Nov. 5.
 Johnston Tool Company. (See Johnston, John J., assignor.)
 Jones, Arthur E. E. (See Pearce, George H., assignor.)
 Jones, Barbara E. (See Irsh, Jacob, assignor.)
 Jones, Charles E., Schenectady, N. Y., assignor to General Electric Company. Electroplating tank. 1,734,909; Nov. 5.
 Jones, Edward P., Chester, England. Motor-car body. 1,734,213; Nov. 5.
 Jones, Edward P., Chester, England. Motor-car body. 1,734,214; Nov. 5.
 Jones, Howard C., et al. (See Mancib, Alvin S., assignor.)
 Jones & Mauter. (See Mancib, Alvin S.)
 Jones, Virgil O., Decatur, assignor of one-half to W. C. Jones, Niantic, Ill. Water heater or boiler. 1,734,490; Nov. 5.
 Jones, William C. (See Jones, Virgil O., assignor.)
 Jones, Winfield S., Brea, and H. U. Baker, Los Angeles, Calif. Overshot. 1,734,468; Nov. 5.
 Jordan, O. F., Company. (See Tellis, Vsevolod G., assignor.)
 Jordhoy, Hans C. (See Tornberg, I., and Jordhoy.)
 Jordhoy, Hans C., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate-locking device. 1,734,093; Nov. 5.
 Journeay, James, administrator. (See Journeay, William O.)
 Journeay, William O., Houston, Tex., deceased; J. Journeay, administrator. Drill bit. 1,734,469; Nov. 5.
 Kaelma Manufacturing Company. (See Synder, George C., assignor.)
 Kalb, Warren C., Bradford, Pa., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Brush for dynamo-electric machinery. 1,734,811; Nov. 5.
 Kalgren, John E., assignor to The J. R. Clark Co., Minneapolis, Minn. Ironing board. 1,734,627; Nov. 5.
 Kalgren, John E., assignor to The J. R. Clark Co., Minneapolis, Minn. Ironing table. 1,734,628; Nov. 5.
 Kallman Steel Company. (See White, William E., assignor.)
 Kant, Edwin S., Brookline, Mass. Shock absorber. 1,734,857; Nov. 5.
 Katzele, Rudolph A., and M. C. Christensen, Barnum, Minn. Vegetable cutter. 1,734,131; Nov. 5.
 Katzinger, Edward, Chicago, Ill. Baking pan. 1,734,731; Nov. 5.

Kauffman, Byrd F., Dallastown, Pa. Nursing-bottle holder. 1,734,522; Nov. 5.
 Kavan, Fritz, assignor to William F. Sprague & Co., Inc., New York, N. Y. Mechanical musical instrument. 1,734,770; Nov. 5.
 Keller, John F., Ottoville, Ohio. Toy windmill. 1,734,858; Nov. 5.
 Keller, Rex E., Los Angeles, Calif. Transmission. 1,734,491; Nov. 5.
 Kellogg, Robert B., Long Beach, Calif. Packing and making the same. 1,734,470; Nov. 5.
 Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)
 Kelly Bros. Co. (See Baker, Lloyd, assignor.)
 Kelly, Claude E., Preston, Iowa. Control mechanism for power plants. 1,734,037; Nov. 5.
 Kelly Reamer Company, The. (See Lennon, Patrick T., assignor.)
 Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency signaling. 1,734,132; Nov. 5.
 Kendall, William G., Newark, N. J. Holding ring for compact plates. 1,734,859; Nov. 5.
 Kendall, William G., Newark, N. J. Holding means for vanity cases. 1,734,860; Nov. 5.
 Kersten, Samuel, Chicago, Ill. System of predetermined constant water supply and faucet nozzle therefor. 1,734,583; Nov. 5.
 Keys, John E. and O. P. Elizabethton, Tenn. Cheese cutter. 1,734,133; Nov. 5.
 Keys, Ople P. (See Keys, John E., and O. P.)
 Kider, Walter M., South Harpswell, Me. Stop-motion-actuating mechanism. 1,734,492; Nov. 5.
 Kinnard, James A., Big Spring, assignor of one-half to V. A. Stovall, Austin, Tex. Leveling device. 1,734,215; Nov. 5.
 King, Don W., and F. T. Irgens, Jackson, assignors, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Drip pan for outboard motors. 1,734,910; Nov. 5.
 King, Don W., and A. L. Lockwood, Jackson, assignors, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Anticavitation plate for outboard motors. 1,734,911; Nov. 5.
 Kingsbury Machine Works, Inc. (See Howarth, Harry A. S., assignor.)
 Kintzele, Julius H. (See Tracy, M. J., and Kintzele.)
 Kirschbraun, Lester, Leonia, N. J. Production of aqueous dispersions. 1,734,437; Nov. 5.
 Kitchen, Joseph M. W., East Orange, N. J. Apparatus for surfacing paper. 1,734,297; Nov. 5.
 Kittelson, Helmer C., deceased, Fargo, N. Dak., by J. O. Estrem, administrator, assignor to Standard Chain Company, Inc., Minneapolis, Minn. Chain structure. 1,734,383; Nov. 5.
 Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Telescoping arm clamp. 1,734,523; Nov. 5.
 Kleinert, I. B., Rubber Company. (See Guinzburg, Victor, assignor.)
 Kline, William R., New York, N. Y., assignor to The McBee Binder Company, Athens, Ohio. Bookbinder. 1,734,134; Nov. 5.
 Kneen, Herbert L., Whitneyville, Conn. Tire support. 1,734,384; Nov. 5.
 Knott, Archer F., deceased, Dinwiddle; C. L. Knott, executor, assignor to Richmond Pressed Metal Works, Incorporated, Richmond, Va. Combined rake and hoe. 1,734,861; Nov. 5.
 Knott, Charles L., executor. (See Knott, Archer F.)
 Knott, Levi, Altoona, Pa. Kite. 1,734,493; Nov. 5.
 Knott, Warren E., Grand Rapids, Mich., assignor to Pioneer Pearl Button Company, Poughkeepsie, N. Y. Plug dresser. 1,734,256; Nov. 5.
 Knowland, Thomas M. (See Gilden, A. A., Knowland, and Grelm.)
 Knowles, John H., Scarsdale, assignor to The Dorr Company, New York, N. Y. Bar-screen scraper. 1,734,813; Nov. 5.
 Kobel, Ernst, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Vapor vacuum pump construction. 1,734,135; Nov. 5.
 Koehler, August F., assignor to Bausch & Lomb Optical Co., Rochester, N. Y. Focusing-lens mounting. 1,734,438; Nov. 5.
 Koenig, Leon C., Cudaby, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Pot furnace. 1,734,629; Nov. 5.
 Koerkle, Frank D., Lancaster, Pa. Mixer. 1,734,862; Nov. 5.
 Kohen, Herman E. (See Rodin, Harry, assignor.)
 Kohler, Anthony M. (See Harter, I., and Kohler.)
 Kohler Company. (See Brotz, Anton F., assignor.)
 Kohlmeier, Alfred A., Los Angeles, Calif. Machine for sharpening blades. 1,734,494; Nov. 5.
 Kohlmeier, Alfred A., Los Angeles, Calif. Blade-sharpening machine. 1,734,524; Nov. 5.
 Kooperstein, Loula, New York, assignor to West Disinfecting Company, Long Island City, N. Y. Drip-disinfecting apparatus. 1,734,584; Nov. 5.
 Koppers Company, The. (See Sperr, Frederick W., Jr., assignor.)

Kraft, Lucas, and L. Mayr, Elizabeth, N. J. Electric control system. 1,734,257; Nov. 5.
 Kraft, Lucas, and L. Mayr, Elizabeth, N. J. Gas-control valve. 1,734,258; Nov. 5.
 Kraft, Stephan, Vienna, Austria. Portfolio. 1,734,863; Nov. 5.
 Kramer, Nathan, Trenton, N. J., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Radiator tube and making the same. 1,734,136; Nov. 5.
 Kranz, Hermann E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling system. 1,734,732; Nov. 5.
 Krause, Willy, Prospect Park, N. J. Submarine safety device. 1,743,864; Nov. 5.
 Krecke, Friedrich, Offenbach, near Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 2-hydroxynaphthalene-8-monosulfo-6-carboxylic acid and making it. 1,734,259; Nov. 5.
 Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Air washer. 1,734,677; Nov. 5.
 Krell, Otto, Berlin-Dahlem, Germany. Apparatus for landing airships. 1,734,812; Nov. 5.
 Kroecker, Adolf G., Waco, Tex. Dishwasher. 1,734,137; Nov. 5.
 Krogel, George H., Troy, N. Y. Combined name and bell-button plate. 1,734,678; Nov. 5.
 Kruckenberg, Franz, and C. Stedefeld, Heidelberg, Germany. Rail-bearing structure for high-speed suspended railways. 1,734,865; Nov. 5.
 Krum, Alfred. (See Schuler, H., and Krum.)
 Kruse, Otto V., Narberth, Pa., assignor, by mesne assignments, to I. P. Morris Corporation. Valve. 1,734,733; Nov. 5.
 La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Automatic card-cutting machine. 1,734,385; Nov. 5.
 La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Garment package. 1,734,386; Nov. 5.
 La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,734,679; Nov. 5.
 La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,734,680; Nov. 5.
 Ladewig, Archie E., and G. F. Soelch, Waukesha, Wis., assignors, by mesne assignments, to The Creamery Package Mfg. Company, Chicago, Ill. Apparatus for washing bottles. 1,734,555; Nov. 5.
 Lafont, Louis A. (See Sorrel, V., and Lafont.)
 Lamb, Carl J., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fold turbine. 1,734,216; Nov. 5.
 Lamont, Dallas R., Brooklyn, assignor to Industrial Spray-Drying Corporation, New York, N. Y. Controlling characteristics of spray-processed products. 1,734,200; Nov. 5.
 Landis & Gyr A.-G. (See Bensch, Willi, assignor.)
 Landis Tool Co., The. (See Ott, Conrad L., assignor.)
 Lapham, Marshall, assignor to Spiral-Rolled Products Co., Inc., New York, N. Y. Interlocking bolts and nuts. 1,734,681; Nov. 5.
 Large, John H., Caldwell, assignor to International Musical Corporation, Hoboken, N. J. Zither or similar article. Des. 79,821; Nov. 5.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,822; Nov. 5.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,823; Nov. 5.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,824; Nov. 5.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,825; Nov. 5.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,826; Nov. 5.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,827; Nov. 5.
 Larrabee, Clinton E., Binghamton, and L. S. Harrison, Tuckahoe, assignors to International Time Recording Company of New York, Endicott, N. Y. Automatic oil-switch time recorder. 1,734,495; Nov. 5.
 Larsen, Elmer W., Chicago, Ill. Steam-heating system. 1,734,334; Nov. 5.
 Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Automatic liquid-supply valve. 1,734,586; Nov. 5.
 Larson, George A., Minneapolis, Minn., assignor to W. D. Dale, Minneapolis, Minn. Grain separator. 1,734,261; Nov. 5.
 Law, Charles R., assignor to The Law Company, Incorporated, Mansfield, La. Valve mechanism. 1,734,866; Nov. 5.
 Law Company, The. (See Law, Charles R., assignor.)
 Lawson, Gottfried C., Cleveland, Ohio. Wrench. 1,734,734; Nov. 5.
 Leberer, Harry J., assignor to The Evered Company, Frederick, Md. Bottle capper. 1,734,630; Nov. 5.
 Leffert, Charles B., assignor to United States Tent & Awning Company, Chicago, Ill. Tent pole. 1,734,170; Nov. 5.
 Leh, Ruby, New York, N. Y. Stocking. Des. 79,876; Nov. 5.

Legg, Joseph W., Wilkesburg, Pa., assignor to Western Electric & Manufacturing Company. Oscillograph. 1,734,217; Nov. 5.
 Lehmann, Otto P. R., Newark, N. J. Oven. 1,734,138; Nov. 5.
 Lehr, Edward H., Conemaugh, Pa. Air-pressure valve. 1,734,298; Nov. 5.
 Leidecker Tool Company, The. (See Harralson, Charles L., assignor.)
 Lemieux, David, Lewiston, Me. Feeler or filling detector. 1,734,525; Nov. 5.
 Lennon, Patrick T., assignor to The Kelly Reamer Company, Cleveland, Ohio. Universal radial grinding machine. 1,734,735; Nov. 5.
 Lenox, Inc. (See Holmes, Frank G., assignor.)
 Lenox, William, Russell, N. Y. Bedstead. 1,734,218; Nov. 5.
 Leonard, Harry A., assignor to Draper Corporation, Hopdale, Mass. Builder mechanism for spinning or winding machines. 1,734,947; Nov. 5.
 Le Roi Company. (See Pendock, Charles W., assignor.)
 Leskawa, Sigmund J., Youngstown, Ohio. Conveyor for a continuous normalizing furnace. 1,734,814; Nov. 5.
 Leubuscher, Frederic C., et al., executors. (See Ingersoll, Robert H.)
 Levy, Lucien, Paris, France, assignor, by mesne assignments, to American Telephone and Telegraph Company. Electrical transmission of energy. 1,734,038; Nov. 5.
 Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
 Libby, A. D. T., et al. (See Norwood, Harry G., assignor.)
 Lichter, Malvin, New York, N. Y., assignor to Malvin Lichter Inc. Mechanical memorandum and making the same. 1,734,496; Nov. 5.
 Lichter, Malvin, Inc. (See Lichter, Malvin, assignor.)
 Lignite Products Corporation of America. (See Newberry, Ivor B., assignor.)
 Limpert, Alexander S., Bay Shore, N. Y. Sealing means for refrigerating machines. 1,734,497; Nov. 5.
 Line Material Company. (See Steinmayer, Alwin G., assignor.)
 Lineberger, Fred B., assignor to Metal Office Furniture Company, Grand Rapids, Mich. File-drawer compressor. 1,734,171; Nov. 5.
 Link-Belt Company. (See Sayers, William W., assignor.)
 Livergood, Gerald R., Houston, Tex. Interior pipe wrench. 1,734,439; Nov. 5.
 Lockwood, Arthur L. (See King, D. W., and Lockwood.)
 Lommel, Wilhelm, and H. Minzel, Wiesdorf, and H. Stötter and B. Wenk, Leverkusen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Mothproof article and preparing it. 1,734,682; Nov. 5.
 Long Manufacturing Company. (See Swank, Arthur L., assignor.)
 Lopez, Juan G., Habana, Cuba. Cigar holder. 1,734,815; Nov. 5.
 Lorraine, George T., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Transmission regulation. 1,734,219; Nov. 5.
 Lotz, Leonard C., Newark, N. J. Sign. 1,734,736; Nov. 5.
 Lowe, Joseph N., New York, N. Y. Hand bag. 1,734,587; Nov. 5.
 Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,734,588; Nov. 5.
 Ludwig, James E., Port Huron, Mich. Hydraulic lifting jack. 1,734,816; Nov. 5.
 Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Steam generation. 1,734,683; Nov. 5.
 Lütchen, Ewald, Munich, Germany. Cooler. 1,734,262; Nov. 5.
 Lux Clock Manufacturing Company. (See Lux, Paul and F., assignors.)
 Lux, Frederick. (See Lux, Paul and F.)
 Lux, Paul, and F., assignors to Lux Clock Manufacturing Company, Waterbury, Conn. Pyramid clock case. Des. 79,828; Nov. 5.
 Lyddane, Mortimer C., Yonkers, assignor to D. H. Zell, Brooklyn, N. Y. Vanity case. Des. 79,829; Nov. 5.
 Lyddane, Mortimer C., Yonkers, assignor to D. H. Zell, Brooklyn, N. Y. Vanity case. Des. 79,830; Nov. 5.
 Lyddane, Mortimer C., Yonkers, assignor to D. H. Zell, Brooklyn, N. Y. Vanity case. Des. 79,831; Nov. 5.
 Lyddane, Mortimer C., Yonkers, assignor to D. H. Zell, Brooklyn, N. Y. Vanity case. Des. 79,832; Nov. 5.
 Lykken, Henry G., Minneapolis, Minn. Ring-flow reverberatory furnace. 1,734,387; Nov. 5.
 Lyndon, Alfred S., Ann Arbor, Mich. Grip for golf clubs. 1,734,684; Nov. 5.
 Lyon, Henry W., Erie, Pa., assignor to General Electric Company. Electric switch. 1,734,912; Nov. 5.
 MacGahan, Paul, Orange, N. J., and L. Stalder, Turtle Creek, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. 1,734,220; Nov. 5.
 MacKay, George, Los Angeles, Calif. Direction signal. 1,734,094; Nov. 5.
 Macrae, James N., Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Ignition mechanism. 1,734,299; Nov. 5.

Madsen, Charles P., Harmon, N. Y., assignor, by mesne assignments, to W. W. Varney, Baltimore, Md. Phonograph. 1,734,172; Nov. 5.
 Maitland, Charles E. A. (See Snyder, G. C., Gordyn, Van de Kamp, and Maitland.)
 Majuska, Charles J., Chicago, Ill. Ventilating and flushing apparatus for water-closets. 1,734,498; Nov. 5.
 Mallouk, Sallm N., Brooklyn, N. Y. Embroidered table cover or the like. Des. 79,833; Nov. 5.
 Mancib, Alvin S., Somerville, assignor to H. C. Jones, Watertown, and E. W. Manter, Taunton, copartners doing business as Jones & Manter, Boston, Mass. Apparatus for controlling oil-burner pilot flames. 1,734,085; Nov. 5.
 Mann, Morris, Brooklyn, N. Y. Shoe buckle or similar article. Des. 79,834; Nov. 5.
 Mann, Morris, Brooklyn, N. Y. Shoe buckle or similar article. Des. 79,835; Nov. 5.
 Mansfield, Beech R., Seminole, Okla. Jockey stick. 1,734,817; Nov. 5.
 Manter, Everett W., et al. (See Mancib, Alvin S., assignor.)
 Many, Frank B., Cleveland, Ohio. Helicopter. 1,734,263; Nov. 5.
 Marbf, Friedrich, Stuttgart, Germany. Apparatus for animated advertisements. 1,734,264; Nov. 5.
 March, Carl, Chicago, Ill. Insect trap. 1,734,818; Nov. 5.
 Marinsky, Davis, New York, N. Y. Sanitary napkin. 1,734,499; Nov. 5.
 Marinsky, Davis, assignor to M. Beckerman, New York, N. Y. Strap-attaching and end-finishing device. 1,734,089; Nov. 5.
 Markham, Henry C., assignor of one-half to W. Horwitz, Houston, Tex. Shutter for moving-picture projectors. 1,734,221; Nov. 5.
 Markman, John, Forreston, Ill. Drainage pump. 1,734,440; Nov. 5.
 Marles, Henry, Detroit, Mich. Bearing. 1,734,222; Nov. 5.
 Marsden, Sam F. (See Place, Charles E. S., assignor.)
 Marsh, Charles T., Springfield, Mass. Filling device for lighters. 1,734,388; Nov. 5.
 Marsh, John T. (See Foulds, R. P., Marsh, and Wood.)
 Martin, Alphonse, Ogdensburg, and F. H. Finnegan, Waukena, N. Y. Electric liquid heater. 1,734,335; Nov. 5.
 Martin, Douglas J., assignor to Martin Motors, Inc., New York, N. Y. Internal-combustion engine. 1,734,867; Nov. 5.
 Martin Motors, Inc. (See Martin, Douglas J., assignor.)
 Martin-Parry Corporation. (See Jeffers, Clarence E., assignor.)
 Martindell, Frank, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coating strand material. 1,734,737; Nov. 5.
 Ma-Stud Corporation, The. (See Maya, J. K., and Snively, assignors.)
 Matlaresse, Antonio, and E. Centenario, Buenos Aires, Argentina. Razor sharpener. 1,734,173; Nov. 5.
 Maxmore Corporation. (See Dumanola, Emile P., assignor.)
 Maxwell, William R., Hicksville, Ohio. Padlock. 1,734,819; Nov. 5.
 Mayer, Clarence S., et al. (See Norwood, Harry G., assignor.)
 Mayer, Lothar W., and P. R. Wetzel, Chicago, Ill. Glaziers point setter. 1,734,820; Nov. 5.
 Mayhew, Joseph B., assignor to Mueller Co., Decatur, Ill. Drinking fountain. Des. 79,836; Nov. 5.
 Mayr, Leopold. (See Kraft, L., and Mayr.)
 Mays, James K., Fort Thomas, and H. A. Snively, Covington, Ky., assignors to The Ma-Stud Corporation. Plaster-building-partition construction. 1,734,685; Nov. 5.
 McCabe Binder Company, The. (See Kline, William R., assignor.)
 McCabe, Frank E., Chagrin Falls, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Molding system. 1,734,174; Nov. 5.
 McCabe, Frank E., Chagrin Falls, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Mold carrier. 1,734,175; Nov. 5.
 McCabe, Frank E., Chagrin Falls, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Mold shake-out apparatus. 1,734,176; Nov. 5.
 McCabe, Frank E., assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Mold-making machine. 1,734,177; Nov. 5.
 McCabe, Frank E., assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Mold flask. 1,734,300; Nov. 5.
 McClatchie, John M., assignor to The Borden Company, New York, N. Y. Pressure regulator for homogenizing devices. 1,734,389; Nov. 5.
 McCollum, Caleb A., deceased, Clairton, by F. W. McCollum, executrix, and J. McIntosh, Pittsburgh, Pa. Bin gate. 1,734,686; Nov. 5.
 McCollum, Florence W., executrix. (See McCollum, C. A., and McIntosh.)
 McDonnell, Frank W., Brooklyn, N. Y., assignor to Aluminum Screw Machine Products Company, Edgewater, N. J. Electrical condenser. 1,734,178; Nov. 5.
 McEvoy, Joseph H., Houston, Tex. Packer for wells. 1,734,040; Nov. 5.

McEwan, Andrew J., Tulsa, Okla. Automatic stop cock. 1,734,687; Nov. 5.
 McIlhenny, James S., Washington, D. C. Gas-shut-off valve. 1,734,631; Nov. 5.
 McIntosh, James. (See McCollum, C. A., and McIntosh.)
 McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Cutting and welding torch. 1,734,589; Nov. 5.
 McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Slub catcher. 1,734,590; Nov. 5.
 McLaren, William W., Birmingham, Ala. Making master records. 1,734,189; Nov. 5.
 McLaughlin, William F., and A. J. Swing, Bloomfield, N. J., assignors to Automatic Film Machine Corporation, New York, N. Y. Film-splicing machine. 1,734,140; Nov. 5.
 McLaughlin, William F., and A. J. Swing, Bloomfield, N. J., assignors to Automatic Film Machine Corporation, New York, N. Y. Film splicer. 1,734,141; Nov. 5.
 McLaughlin, William F., and A. J. Swing, Bloomfield, N. J., assignors to Automatic Film Machine Corporation, New York, N. Y. Film splicer and rewinder. 1,734,142; Nov. 5.
 Medart, Fred, Manufacturing Company. (See Albach, Frank, assignor.)
 Mell, Tod J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for assembling units of sheet material. 1,734,336; Nov. 5.
 Melott, John M., Los Angeles, Calif. Balance thrust bearing. 1,734,223; Nov. 5.
 Meredith, Harry B., Des Moines, Iowa. Chick fountain. 1,734,390; Nov. 5.
 Merrick, Frank W., Dorchester, assignor to American Stay Company, Boston, Mass. Lacing and like article and making the same. 1,734,738; Nov. 5.
 Merrill, Albert D., Watertown, N. Y., assignor, by mesne assignments, to The International Bleaching Corporation. Method and apparatus for bleaching pulp. 1,734,632; Nov. 5.
 Merz, Christian J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building tool. 1,734,387; Nov. 5.
 Metal Forms Corporation. (See Miller, George H., assignor.)
 Metal Office Furniture Company. (See Lineberger, Fred B., assignor.)
 Metropolitan-Columbia Mfg. Co. (See Villaret, Gustave E., assignor.)
 Meuer, George J. (See Stevens, W. C., and Meuer.)
 Miller, Albert A. (See Paull, J., and Miller.)
 Miller, Allen O., Seattle, Wash. Bearing. 1,734,591; Nov. 5.
 Miller, George H., assignor to Metal Forms Corporation, Milwaukee, Wis. Road-rail stake box. 1,734,041; Nov. 5.
 Miller, Max C., Cumberland, and F. L. Jenckes, North Kingston, R. I. Match receptacle. 1,734,224; Nov. 5.
 Miller, Warren J., Atlantic City, N. J. Salt and pepper dispenser. 1,734,821; Nov. 5.
 Milne, David E., Chattanooga, Tenn. Stock-feeding means. 1,734,868; Nov. 5.
 Milwaukee Paper Box Company. (See Carlson, Walter C., assignor.)
 Mississippi Glass Company. (See Franzen, Nicklas, assignor.)
 Mitcham, Edward H., New York, N. Y. Fruit squeezer. 1,734,265; Nov. 5.
 Mitchell, Chauncey L., Winchester, assignor to Refrigeration Corporation of America, Boston, Mass. Refrigerator construction. 1,734,771; Nov. 5.
 Mitchell, John E., St. Louis, Mo. Cotton separating and cleaning machine. 1,734,592; Nov. 5.
 Mitchell, John E. and O., St. Louis, Mo. Cotton gin. 1,734,593; Nov. 5.
 Mitchell, Orville. (See Mitchell, John E. and O.)
 Mitchell, Robert M., Chicago, Ill., assignor to International Harvester Company. Corn picker. 1,734,391; Nov. 5.
 Modicette, James C. (See Haynes, Rufus L., assignor.)
 Moecker, Henry, Jr., Flossmoor, and O. Hammermeister, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Combined gas burner and grate. 1,734,869; Nov. 5.
 Molloy, James H., assignor to The Railroad Supply Company, Chicago, Ill. Auxiliary base for signal and cable posts. 1,734,594; Nov. 5.
 Moneyron, Marcel, Paris, France. Rotary transformer. 1,734,042; Nov. 5.
 Montan, Inc. (See Coolidge, Joseph R., 3d., assignor.)
 Monteith, Charles N., and F. A. Walloch, assignor to Boeing Airplane Company, Seattle, Wash. Cowling pin. 1,734,526; Nov. 5.
 Moore Dry Kiln Company. (See Creighton, F. M., and Gray, assignors.)
 Moore, Stuart B., Temple, Tex. Concrete culvert. 1,734,892; Nov. 5.
 Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,734,266; Nov. 5.
 Moorhouse, Alfred, assignor to Packard Motor Car Co., Detroit, Mich. Internal-combustion engine. 1,734,267; Nov. 5.
 Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Propeller shaft and making. 1,734,268; Nov. 5.

Morgan, Charles L., Pittsburgh, Pa. Detachable sash. 1,734,301; Nov. 5.
 Morgan, John D., Maplewood, N. J., assignor to Doherty Research Company, New York, N. Y. Bonded refractory. 1,734,595; Nov. 5.
 Moriel, Nazarene G., Chicago, Ill. Power transmission apparatus. 1,734,143; Nov. 5.
 Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Company, Chair. 1,734,144; Nov. 5.
 Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc. Coin-controlled mechanism. 1,734,739; Nov. 5.
 Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc. Coin-controlled mechanism. 1,734,740; Nov. 5.
 Morrell, George S., et al., executors. (See Smith, Charles H.)
 Morris, I. P., Corporation. (See Kruse, Otto V., assignor.)
 Morrison, Robert F., Yonkers, N. Y., assignor to The International Pavement Company, Hartford, Conn. Press. 1,734,741; Nov. 5.
 Morse, Albert W., Long Island City, N. Y. Radiant-heat oven. 1,734,570; Nov. 5.
 Morse, Albert W., Long Island City, N. Y. Heat-treating oven. 1,734,571; Nov. 5.
 Morse Chain Company. (See Morse, Frank L., assignor.)
 Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Multiple-drive chain. 1,734,688; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,633; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,634; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,635; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,636; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,637; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,638; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,639; Nov. 5.
 Morse, Henry B., Danvers, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanizing rubber and resulting products. 1,734,640; Nov. 5.
 Moser, Wilhelm, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for wireless telegraphy and telephony. 1,734,772; Nov. 5.
 Mottler, Walter F., El Campo, Tex. Gear-shifting mechanism. 1,734,441; Nov. 5.
 Mowry, Edward, Rock Falls, assignor to International Harvester Company, Chicago, Ill. Caster-wheel-controlling device for side-delivery rakes. 1,734,393; Nov. 5.
 Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Needle-shooping mechanism. 1,734,822; Nov. 5.
 Mueller Co. (See Mayhew, Joseph R., assignor.)
 Mueller Engineering Works. (See Mueller, Joseph J., assignor.)
 Mueller, Joseph J., assignor to Mueller Engineering Works, Racine, Wis. Gasoline-tank cap. 1,734,527; Nov. 5.
 Muentener, Christian, Bogota, N. J. Textile fabric or similar article. Des. 79,837; Nov. 5.
 Muentener, Christian, Bogota, N. J. Textile fabric or similar article. Des. 79,838; Nov. 5.
 Muentener, Christian, Bogota, N. J. Textile fabric or similar article. Des. 79,839; Nov. 5.
 Münzel, Heinrich. (See Lommel, W., Münzel, Stötter, and Wenk.)
 Murch, Wilfred M., Hamburg, and W. J. Cauwenberg, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Production of vat dyestuffs. 1,734,442; Nov. 5.
 Muros, Joseph, assignor to F. E. Perry, New York, N. Y. Safety razor. 1,734,394; Nov. 5.
 Murray, Scott E., Denver, Colo. Collapsible steel form. 1,734,773; Nov. 5.
 Naamloze Vennootschap Phillips' Gloeilampenfabrieken. (See Holst, G., Bergmans, and Bol, assignors.)
 Nash, Frank L., and J. E. Cox, Rosemary, N. C. Humidifier for internal-combustion engines. 1,734,872; Nov. 5.
 Nashua-Youngblood Company. (See Youngblood, Knowles, assignor.)
 National Aniline & Chemical Company. (See Murch, W. M., and Cauwenberg, assignors.)
 National Aniline & Chemical Co. (See Wait, Justin F., assignor.)
 National Bread Wrapping Machine Company. (See Sévigné, H. A., and Jacobs, assignors.)
 National Bread Wrapping Machine Company. (See White, Wallace D., assignor.)
 National Carbon Company. (See Kalb, Warren C., assignor.)
 National Equipment Company. (See Norman, Horace E., assignor.)

National Foam System Inc. (See Faber, Leon, assignor.)
 Neelands, John R., Los Angeles, Calif. Apron. Des. 79,840; Nov. 5.
 Nelson, Albert H., Tulsa, Okla. Slip socket. 1,734,338; Nov. 5.
 Neisel, William M., Charleston, Ark. Shaving brush. 1,734,873; Nov. 5.
 Nelson, Carl E., Niagara, Wis. Hydraulic flexible coupling. 1,734,043; Nov. 5.
 Nelson, Emil A. (See Pierce, Hodgson S., assignor.)
 Nelson, Martin L., Park Ridge, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Testing apparatus. 1,734,948; Nov. 5.
 Neubert, Oskar, Leverkusen, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Water soluble substance containing colloidal silver chloride. 1,734,269; Nov. 5.
 New Engineering Construction Company. (See Williams, G. B., and Porter, assignors.)
 Newbery, Ivor B., Buffalo, assignor to Lignite Products Corporation of America, Castile, N. Y. Retort. 1,734,774; Nov. 5.
 Newton, James F., assignor to Primrose Tapestry Co. Inc., Philadelphia, Pa. Textile fabric. Des. 79,841; Nov. 5.
 Ney, Eugene J., New York, N. Y. Window ventilator. 1,734,641; Nov. 5.
 Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window regulator. 1,734,225; Nov. 5.
 Nicholson, William R., Pangbourne, England. Bottle. Des. 79,842; Nov. 5.
 Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve engine. 1,734,395; Nov. 5.
 Norberg, Sven, Valhalla, Vasteras, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Selective ground-detecting relay. 1,734,874; Nov. 5.
 Norman, Horace E., assignor to National Equipment Company, Springfield, Mass. Method and apparatus for electrically heating articles. 1,734,913; Nov. 5.
 North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
 Norvick, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Lighting switch. 1,734,226; Nov. 5.
 Norvick, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Lighting switch. 1,734,227; Nov. 5.
 Norwood, Harry G., Baltimore, Md., assignor of one-half to A. D. T. Libby, East Orange, N. J., and one-half to C. S. Mayer, New York, N. Y. Making buckles. 1,734,443; Nov. 5.
 Novick, Abraham, Flushing, assignor to F. L. Smith Machine Co., Inc., New York, N. Y. Folding mechanism. 1,734,742; Nov. 5.
 Nurse, Godfrey. (See Thomas, Gerald, assignor.)
 O. K. Tool Company, The. (See Severson, O. E., assignor.)
 O'Bannon, Walter A., assignor to Walter O'Bannon Co., Tulsa, Okla. Valve case and producing the same. Re17,481; Nov. 5.
 O'Bannon, Walter, Co. (See O'Bannon, Walter A., assignor.)
 Oberly & Newell, 545 Pearl St. Corp. (See Stam, Cyrus P., assignor.)
 Odendahl, Charles J., Brookline, Mass. Pressure-control valve. 1,734,823; Nov. 5.
 Offenhauser, Christopher, Philadelphia, Pa. Method of and apparatus for treating material. 1,734,824; Nov. 5.
 Oliver United Filters, Inc. (See Cannon, Hugh H., assignor.)
 Olin, Oscar J., Minneapolis, assignor to Quality Park Envelope Company, St. Paul, Minn. Envelope and portfolio. 1,734,642; Nov. 5.
 Olson, Joseph, Los Angeles, Calif. Cutter attachment for paper-tape machines. 1,734,643; Nov. 5.
 Olson, John E., Bloomfield, Nebr. Spark-plug wrench. 1,734,270; Nov. 5.
 Olson, Percy W., St. Paul, Minn., assignor to W. S. Ferris, Elkhart, Ind., trading as The Domore Chair Company. Back-rest construction. 1,734,179; Nov. 5.
 Olson, Percy W., St. Paul, Minn., assignor to W. S. Ferris, Elkhart, Ind., trading as The Domore Chair Company. Back-rest arrangement. 1,734,180; Nov. 5.
 Orthon Stove Co. (See Herrenbruck, Herman, assignor.)
 Ormsbee, Willard A., Taunton, Mass. Suspender buckle. Des. 79,843; Nov. 5.
 Ormsby, Earnest B. (See Pippen, C. F., and Ormsby.)
 Orr, William S., assignor to Central Alloy Steel Corporation, Massillon, Ohio. Thickener. 1,734,044; Nov. 5.
 Ostby, Arne B., Minneapolis, Minn. Toy vehicle. 1,734,775; Nov. 5.
 Osten, Joseph W., Chicago, Ill., assignor to Auto Fabrics Products, Inc. Automobile winter inclosure and handle. 1,734,339; Nov. 5.
 Ostrander, William H., and G. E. White, San Diego, Calif. Card-delivery case. 1,734,644; Nov. 5.
 Ott, Conrad L., assignor to The Landis Tool Co., Waynesboro, Pa. Wheel-truing fixture. 1,734,914; Nov. 5.
 Outboard Motors Corporation. (See Evinrude, Ole, assignor.)
 Outboard Motors Corporation. (See Schrell, August, assignor.)
 Outboard Motors Corporation. (See Schriel, A., and Hillborn, assignors.)

Outboard Motors Corporation. (See King, D. W., and Irgens, assignors.)
 Outboard Motors Corporation. (See King, D. W., and Lockwood, assignors.)
 Overton, Samuel E., South Haven, Mich. Piano bench. 1,734,340; Nov. 5.
 Pacent Electric Company. (See Goudy, Carl F., assignor.)
 Package Machinery Company. (See Smith, E. L., and Paynter, assignors.)
 Packard Motor Car Company. (See Jeffries, Carl F., assignor.)
 Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
 Page, Frank, Vancouver, British Columbia, Canada. Automatic traffic signal. 1,734,228; Nov. 5.
 Pallenberg, Christian, Clinton, Conn. Resilient seat mount. 1,734,776; Nov. 5.
 Pappadakis, Andru G., Detroit, Mich. Alarm mechanism. 1,734,341; Nov. 5.
 Paris, Percy G. (See Ring, F. G., and Paris.)
 Parran, Alice N., Baltimore, Md. Dispensing apparatus. 1,734,045; Nov. 5.
 Parsons, Raymond V., Cleveland, Ohio, assignor to John-Manville Corporation, New York, N. Y. Interior-finish construction. 1,734,689; Nov. 5.
 Pate, Thomas G., Liberal, Kans. Photographic-printing machine. 1,734,825; Nov. 5.
 Patterson, John H. (See Blerd, R. E., and Patterson.)
 Patz, Ernest O., Scarsdale, N. Y. Picking machine. 1,734,046; Nov. 5.
 Paul, Henry F., Astoria, N. Y. Nut lock. 1,734,743; Nov. 5.
 Paul, James, and A. A. Miller, assignors to The Eagle Manufacturing Company, Wellsburg, W. Va. Contalner. 1,734,528; Nov. 5.
 Paulson, Arthur, assignor to Christian Iverson, Inc., New York, N. Y. Paste jar. 1,734,444; Nov. 5.
 Paynter, Horace J. (See Smith, E. L., and Paynter.)
 Pearce, George H., assignor, by mesne assignments, to himself and A. E. E. Jones, Worcester, England. Glare visor or sun shield. 1,734,096; Nov. 5.
 Pearson, Charles, Chicago, Ill., assignor to International Harvester Company, Mowing machine. 1,734,396; Nov. 5.
 Peek, Frank W., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric discharge device. 1,734,917; Nov. 5.
 Pendock, Charles W., Milwaukee, assignor to Le Roi Company, West Allis, Wis. Internal-combustion engine. 1,734,181; Nov. 5.
 Pennock, Theodore E., assignor to Standard Automatic Machine Company, Rochester, N. Y. Machine for applying container closures. 1,734,529; Nov. 5.
 Perez, Henry L. (See Veitch, Thomas, assignor.)
 Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 79,844; Nov. 5.
 Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 79,845; Nov. 5.
 Perry, Charles E., assignor to Evershed & Vignoles, Limited, London, England. Apparatus for the detection and estimation of impurities and dissolved matter in water and other fluids. 1,734,342; Nov. 5.
 Perry, Frederick E. (See Muros, Joseph, assignor.)
 Peterson, Charles W., Ann Arbor, Mich. Conical-diaphragm sound reproducer. 1,734,271; Nov. 5.
 Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Disk-harrow frame. 1,734,397; Nov. 5.
 Petroleum Heat and Power Company. (See Macrae, James N., assignor.)
 Petroleum Iron Works Company. (See Hawthorne, Primm R., assignor.)
 Petterson, Ernst L., Arboga, Sweden. Harrow or the like with yielding prongs. 1,734,875; Nov. 5.
 Pfeiffer, John F., Lewistown, Mont. Barrelless bear gun. 1,734,876; Nov. 5.
 Phillips, George P., Boston, Mass. Dental device and utilizing the same. 1,734,398; Nov. 5.
 Pick, Israel, Königsberg, Germany. Manufacture of partition and like building blocks. 1,734,826; Nov. 5.
 Pieper, Alphonse F., Rochester, N. Y. Dental equipment apparatus. 1,734,744; Nov. 5.
 Pierce, Hodgson S., assignor to E. A. Nelson, Detroit, Mich. Connecting rod. 1,734,690; Nov. 5.
 Pike, Frank A., Rochester, N. Y. System of draining. 1,734,777; Nov. 5.
 Pioneer Pearl Button Company. (See Knott, Warren E., assignor.)
 Piper, Ralph S., Chicago, Ill. Electrical connector. 1,734,145; Nov. 5.
 Pippen, Charles F., and E. B. Ormsby, Long Beach, Calif. Traveling block. 1,734,047; Nov. 5.
 Piquerez, Achille, New York, N. Y. Window. 1,734,530; Nov. 5.
 Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)
 Pittsburgh Plate Glass Company. (See Raleigh, W. P., and Dickey, assignors.)
 Place, Charles E. S., assignor of one-half to S. F. Marsden, Manchester, England. Lock nut for bolts and the like. 1,734,445; Nov. 5.
 Pohle, Otto. (See Rosenbaum, B., and Pohle.)

Polnter, Henry V., assignor to Universal Veneer Products Company, San Francisco, Calif. Producing veneered containers. 1,734,272; Nov. 5.
 Polák, Bohumil, Praha-Karlín, Czechoslovakia. Device for opening containers, boxes, tins, or the like. 1,734,877; Nov. 5.
 Pollak, Fritz. (See Ripper, Kurt, assignor.)
 Pollak, Joseph, Tool and Stamping Company. (See Averill, William H., assignor.)
 Polland, Bruno A., Omaha, Nebr. Battery-box hold-down. 1,734,645; Nov. 5.
 Portable Adding Machine Company. (See Barrett, Glenn J., assignor.)
 Porter, William J. H. (See Williams, G. B., and Porter.)
 Powdrell & Alexander, Inc. (See Perkins, George H., assignor.)
 Pratt-Ryder Company. (See Rymer, John A., assignor.)
 Premier Sport Products, Inc. (See Gallagher, W. J., and Wolf, assignors.)
 Prentice, John, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Handhole fitting. 1,734,343; Nov. 5.
 Pribil, Alexis R., Saginaw, Mich. Pick-up truck. 1,734,778; Nov. 5.
 Prichard, George L., and H. Henderson, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Cracking still. 1,734,827; Nov. 5.
 Primbs, George, Jr., Pocatello, Idaho. Lock device for numbering machines. 1,734,399; Nov. 5.
 Primrose Tapestry Co. (See Newton, James F., assignor.)
 Printz, Oscar A. K., Overum, Sweden. 1,734,878; Nov. 5.
 Priser, David F., North Manchester, Ind. Water heater. 1,734,828; Nov. 5.
 Prosser, Charles A. (See Young, Charles L., assignor.)
 Pure Sanitary Drinking Fountain Company. (See Bicknell, Frank A., assignor.)
 Quality Park Envelope Company. (See Olin, Oscar J., assignor.)
 Quickin Piston Company. (See Godstre, Percival F., assignor.)
 Quillen, William B., Cottonwood, Calif. Grader. 1,734,400; Nov. 5.
 Railroad Supply Company, The. (See Molloy, James H., assignor.)
 Raleigh, Walter P., Ames, Iowa, and C. B. Dickey, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Disinfecting seeds. 1,734,646; Nov. 5.
 Ramesohl & Schmidt A.-G. (See Schmitz, Carl, assignor.)
 Ramsdell, Thomas S., Great Barrington, Mass. Automatic lap doffer. 1,734,302; Nov. 5.
 Randall, William V., U. S. Army, Newburgh, N. Y. Closure for shaft bearings. 1,734,691; Nov. 5.
 Randolph, Alfred, assignor to The Deming Company, Salem, Ohio. Pump. 1,734,779; Nov. 5.
 Raney, Clemma R., Riverside, Ill., assignor to International Harvester Company. Windrow harvester. 1,734,401; Nov. 5.
 Rank, Henry W. (See Rank, John and H. W.)
 Rank, John, and H. W., Minneapolis, Minn. Self-arranging signal post. 1,734,344; Nov. 5.
 Rasmussen, Charles E. (See Jandus, H. S., and Rasmussen.)
 Rassmann, F., Manufacturing Company. (See Rassmann, Hugo C., assignor.)
 Rassmann, Hugo C., Beaver Dam, assignor to F. Rassmann Manufacturing Company, Beaver Dam, Wis. Stanchion. 1,734,402; Nov. 5.
 Rathbun, John P., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat exchanger. Re17,480; Nov. 5.
 Ratz, Elmer G., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,734,229; Nov. 5.
 Ray, Fisk M., et al. (See Chesnutt, William M., assignor.)
 Ray, William H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for removing insulation. 1,734,745; Nov. 5.
 REA Photophone, Inc. (See Eldred, Byron E., assignor.)
 Read, John C., Rugby, England, assignor to General Electric Company. Mercury arc rectifier system. 1,734,915; Nov. 5.
 Read, Robert E., White Plains, N. Y., assignor to International Paper Company. Paper-making machine. 1,734,879; Nov. 5.
 Ready-Bilt Store Equipment Company. (See Du Plessis, Milton P., assignor.)
 Rebol, Atilio, Buenos Aires, Argentina. Interrupter for electric current. 1,734,692; Nov. 5.
 Recen, Henry A., assignor of one-half to C. W. Burnheimer, Breckenridge, Colo. Sleeve valve for gasoline motors. 1,734,345; Nov. 5.
 Reddish, Warren T. (See Fischer, C. Jr., and Reddish.)
 Reed & Barton. (See Saarinen, Eliel, assignor.)
 Reed Roller Bit Company. (See Bull, Clinton H. M., assignor.)
 Reed, William R. (See Frampton, W. R., and Reed.)
 Refrigeration Corporation of America. (See Mitchell, Chauncey L., assignor.)
 Regan Safety Devices Company. (See Shaver, Archibald G., assignor.)
 Reinhardt, George F., Kansas City, Kans. Animator for artificial fish for luring game fish. 1,734,846; Nov. 5.
 Reinhardt, Otto K. (See Zerner, M., and Reinhardt.)

Reiter, Daniel I., New York, N. Y. Stud slide. 1,734,048; Nov. 5.
 Remington Accounting Machine Corporation. (See Strother, Robert H., assignor.)
 Remington Typewriter Company. (See Going, George G., assignor.)
 Republic Motor Truck Co. (See Haggart, John C., jr., assignor.)
 Reserve Holding Company. (See Nelson, Martin L., assignor.)
 Reynolds, Harry L., et al. (See Connor, James G., assignor.)
 Reynolds, Ralph H., Walnut Creek, Calif. Radio apparatus. 1,734,146; Nov. 5.
 Reznor, George F., Mercer, Pa. Gas-heated hot-air furnace. 1,734,047; Nov. 5.
 Rheinische Metallwaren- und Maschinenfabrik. (See Bartels, Erich, assignor.)
 Rheinische Metallwaren- und Maschinenfabrik. (See Schuler, H., and Krum, assignors.)
 Rhoads, Horace S., Philadelphia, Pa. Spring fabric. 1,734,147; Nov. 5.
 Ribsam, Nicholas F. (See Wolin, M., and Ribsam.)
 Rich Manufacturing Company. (See Sapp, James E., assignor.)
 Richmond Pressed Metal Works, Incorporated. (See Knott, Archer F., assignor.)
 Richmond, Rosie. (See Smith, L., and Richmond.)
 Richtmire, Floyd E., Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Applying adhesive. 1,734,148; Nov. 5.
 Ring, Frederick G., Winchester, Mass., and P. G. Paris, Bethlehem, Pa., said Paris assignor to Bethlehem Steel Company. Apparatus for refining crude petroleum. 1,734,880; Nov. 5.
 Ringelhan, Gustav, Dresden, Germany. Stamping tool for keys. 1,734,881; Nov. 5.
 Ripper, Kurt, assignor to F. Pollak, Vienna, Austria. Manufacture of film-forming solutions. 1,734,693; Nov. 5.
 Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Slidable trunk or suitcase partition. 1,734,049; Nov. 5.
 Roach-Appleton Manufacturing Company. (See Appleton, Ernest G., assignor.)
 Roberts, Alvin L., Philadelphia, Pa. Power-brake mechanism. 1,734,403; Nov. 5.
 Roberts, Eugene, New York, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Centrifugal machine. 1,734,746; Nov. 5.
 Roberts, Bees R. (See Born, William F., assignor.)
 Robertson, H. H., Company. (See Young, James H., assignor.)
 Robinson, Walter S., Jr., Springfield, assignor to Wilco Electric Company, West Springfield, Mass. Magneto. 1,734,918; Nov. 5.
 Rodin, Harry, assignor of one-half to H. E. Kohen, Cleveland, Ohio. Combined electrical switch and fuse. 1,734,916; Nov. 5.
 Roe, Nathaniel, Patchogue, N. Y. Combined searchlight and fuse tester. 1,734,230; Nov. 5.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hinge. Des. 79,846; Nov. 5.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. Des. 79,847; Nov. 5.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. Des. 79,848; Nov. 5.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. Des. 79,849; Nov. 5.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. Des. 79,850; Nov. 5.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. Des. 79,851; Nov. 5.
 Rogers, Joseph E., Mamaroneck, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Household motor with attachments therefor. 1,734,500; Nov. 5.
 Rolfe, Walter T., Austin, Tex., assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 79,852; Nov. 5.
 Rose, Bruce E., Stockton, Calif. Revolving scraper. 1,734,347; Nov. 5.
 Rosenbaum, Bruno, and O. Pohle, assignors to the firm Dr. Erich F. Huth G. m. b. H., Berlin, Germany. Communication system. 1,734,231; Nov. 5.
 Rosenbaum, Jesse, Brooklyn, N. Y. Luggage guard. 1,734,182; Nov. 5.
 Rosentreter, Meyer. (See Huber, J., and Rosentreter.)
 Rosenzweig, Siegfried, New York, N. Y. Antivibration support. 1,734,596; Nov. 5.
 Ross, James T., Duncan, Okla. Gravity motor. 1,734,829; Nov. 5.
 Ross, Warren A., Long Beach, Calif., assignor of one-fourth to D. M. Carter, Chicago, Ill., and one-fourth to T. O. Boyd, Long Beach, Calif. Transportation system. 1,734,303; Nov. 5.
 Rosso, George H. (See Hoke, F., Rosso, and Collicott.)
 Roth, Robert R., Thomas, W. Va. Emergency repair link. 1,734,830; Nov. 5.
 Rouch, Vernon E., assignor of one-half to G. L. Dice, South Bend, Ind. Tire alarm. 1,734,848; Nov. 5.

Rubber Service Laboratories Co., The. (See Hand, Carl N., assignor.)
 Rubber Service Laboratories Co., The. (See Vignos, James C., assignor.)
 Runyan, William B., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Jack. 1,734,831; Nov. 5.
 Ryan, Albert J., Cincinnati, Ohio. Box-toe piece. 1,734,531; Nov. 5.
 Ryan, John E., and H. Shores, San Diego, Calif. Barrel spigot. 1,734,232; Nov. 5.
 Ryder, Charles D., Covington, Ky., assignor to The Cincinnati Victor Company, Cincinnati, Ohio. Fan stand or similar article. Des. 79,853; Nov. 5.
 Rymer, John A., Berkeley, assignor to Pratt-Rymer Company, San Leandro, Calif. Door lock. 1,734,149; Nov. 5.
 Seabach, Arthur A., East Orange, N. J., assignor to American Can Company, New York, N. Y. Dredge-top can. 1,734,304; Nov. 5.
 Saarninen, Ellei, Birmingham, Mich., assignor to Reed & Barton, Taunton, Mass. Spoon or similar article. Des. 79,854; Nov. 5.
 Sacerdote, Guido M., New York, N. Y. Radiator attachment. 1,734,532; Nov. 5.
 Saginaw Furniture Shops. (See Ginsburg, Lionel L., assignor.)
 St. Regis Paper Company. (See Cornell, John E., assignor.)
 Salisbury, Moses B., Chicago, Ill. Nonkidding insulated stool. 1,734,587; Nov. 5.
 Sampson, Jacques, Inc. (See Sweeney, Harry C., assignor.)
 Sapp, James E., assignor to Rich Manufacturing Company, Bellingham, Ga. Refrigerator. 1,734,404; Nov. 5.
 Savage Bros Co. (See Wolf, Frank H., assignor.)
 Sayers, William W., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Travelling back anchor for power hoists. 1,734,882; Nov. 5.
 Schalkenbach, Frank, New York, N. Y. Storm-simulating device. 1,734,446; Nov. 5.
 Scheibl, John A., Jackson Heights, N. Y. Silk-reeling apparatus. 1,734,305; Nov. 5.
 Schein, Alexander E., New York, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Thrust bearing. 1,734,273; Nov. 5.
 Schickler, Albert C., assignor to E. E. Allyn, Cleveland, Ohio. Control mechanism for refrigerating systems. 1,734,349; Nov. 5.
 Schmitz, Carl, assignor to the firm Ramesohl & Schmidt A.-G., Oelde, Germany. Centrifugal dome with condensing arrangement. 1,734,533; Nov. 5.
 Schnell, Frank, New York, N. Y. Bottle closure. 1,734,447; Nov. 5.
 Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Dome light or the like for an automotive vehicle. Des. 79,855; Nov. 5.
 Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Smoking case or the like. Des. 79,856; Nov. 5.
 Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Combination smoking and vanity case or the like. Des. 79,857; Nov. 5.
 Schoedinger, F. O. (See Conrad, Isiah, assignor.)
 Scholl, Frank. (See Benson, G. A., and Scholl.)
 Schramm, Henry N., West Chester, Pa. Power-transmitting flexible coupling. 1,734,598; Nov. 5.
 Schraap, Paul C., Guayaquil, Ecuador. Cyanide process of treating ores containing precious metals. 1,734,306; Nov. 5.
 Schrell, August, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Magneto. 1,734,850; Nov. 5.
 Schriell, August, and H. J. Hillborn, Milwaukee, Wis., assignors, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Electrical system for outboard motors. 1,734,599; Nov. 5.
 Schubart, Friedrich, Monterey, Mexico. Heat-exchange apparatus. 1,734,274; Nov. 5.
 Schuler, Hermann, Dusseldorf, and A. Krum, Dusseldorf-Eller, assignors to Rheinische Metallwaren und Maschinenfabrik, Dusseldorf-Deerenhof, Germany. Guard for toothed sector gears. 1,734,051; Nov. 5.
 Schulz, Henry A. (See Holloway, J. C., and Schulz.)
 Schwartz, Carl, et al. (See Trensen, Carl, assignor.)
 Schwartz, Daniel, Chicago, Ill. Radio logging and indicating device. 1,734,684; Nov. 5.
 Schwarz, Alfred, Montclair, N. J. Apparatus for gasifying oil. 1,734,048; Nov. 5.
 Schwoebel, George A., Bordentown, N. J. Gun. 1,734,501; Nov. 5.
 Scott, Carl F., Schenectady, N. Y., assignor to General Electric Company, Motor controller. 1,734,919; Nov. 5.
 Scott, Ephraim J., Boston, assignor to The A. L. Smith Iron Works, Chelsea, Mass. Valveless rotary pump. 1,734,600; Nov. 5.
 Seovill Manufacturing Company. (See Clemmons, Herbert D., assignor.)
 Seck, Willy, Augsburg, Germany, assignor to Erba Aktiengesellschaft, Zurich, Switzerland. Manufacture of sulfonated oils, fats, fatty acids, and waxes. 1,734,080; Nov. 5.
 Seegar, Oscar F., assignor to Cascade Fixture Company, Seattle, Wash. Floor lamp. Des. 79,858; Nov. 5.
 Seeley, George A., Irvington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Mixing apparatus. 1,734,747; Nov. 5.

Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Tool holder with top lock. 1,734,502; Nov. 5.
 Sévigné, Henri A., Waltham, Mass., and C. E. Jacobs, Nashua, N. H., assignors to National Bread Wrapping Machine, Boston, Mass. Wrapping machine. 1,734,351; Nov. 5.
 Shanklin, Aleck A., Fairmont, Nebr. Rope guide for extricating machines. 1,734,832; Nov. 5.
 Shannon, Henry. (See Shannon, John and H.)
 Shannon, Jesse P., Lake Geneva, Wis. Fish lure. 1,734,883; Nov. 5.
 Shannon, John and H., Florence, Mass. Automatic electric-circuit make and break device. 1,734,233; Nov. 5.
 Shaver, Archibald G., Chicago, Ill., assignor to Regan Safety Devices Company, Inc. Induction-type train control. 1,734,601; Nov. 5.
 Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Induction train-control system for curve protection. 1,734,602; Nov. 5.
 Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,734,603; Nov. 5.
 Shaw, Thomas, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Loaded transmission system. 1,734,150; Nov. 5.
 Shaw-Walker Company. (See Hunter, David E., assignor.)
 Shearer, Rolando N., Holland, Mich. Fire escape. 1,734,833; Nov. 5.
 Sheer, H. M., Company. (See Williams, Robert T., assignor.)
 Shepherdson, Arnold. (See Baddley, J., Dootson, Shepherdson, and Thorley.)
 Sherman, Carroll J., Houston, assignor of one-third to E. Werlein, and one-sixth to C. H. Sherman, Harris County, Tex. Burner. 1,734,448; Nov. 5.
 Sherman, Charles H., et al. (See Sherman, Carroll J., assignor.)
 Shields, Hastings M., Los Angeles, Calif. Apparatus for recovering the valuable constituents from citrus fruits. 1,734,534; Nov. 5.
 Shipman, George H. C., Ottawa, Ontario, Canada. Separable fastener. 1,734,405; Nov. 5.
 Shive, Jacob A., assignor to York Ice Machinery Corporation, York, Pa. Sheet-metal container. 1,734,052; Nov. 5.
 Shoe Form Co., The. (See De Witt, William J., assignor.)
 Shoor, Albert F., New York, N. Y. Registering mechanism. 1,734,183; Nov. 5.
 Shores, Howard. (See Ryan, J. E., and Shores.)
 Shuell, Frank W., assignor to Everhot Heater Company, Detroit, Mich. Hot-water system. 1,734,920; Nov. 5.
 Shull, Daniel L., Bakersfield, assignor of one-fourth to T. Smith, Taft, Calif. Long-stroke pumping mechanism. 1,734,649; Nov. 5.
 Sidebottom, Melvin H. (See La Bombard, L. E., and Sidebottom.)
 Sieglitz, Adolf. (See Elchewede, H., Fischer, and Sieglitz.)
 Skjensens & Halske Aktiengesellschaft. (See Horn, Arno, assignor.)
 Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Fischer, Ernst, assignor.)
 Simjian, Luther G., New Haven, Conn. Apparatus for producing margined photographs. 1,734,790; Nov. 5.
 Simplex Piston Ring Company of America, Inc., The. (See Solenberger, Dean M., assignor.)
 Simplicity Engine & Manufacturing Company. (See Appleton, Joseph, assignor.)
 Simpson, David B., Wichita, Kans. Alarm for deflated pneumatic tires. 1,734,275; Nov. 5.
 Simpson, Edward E., Tulsa, Okla. Plug packer. 1,734,884; Nov. 5.
 Sit O'Sleep Furniture Company, The. (See Farrell, Edward F., assignor.)
 Skang, Johan, Rothsay, Minn. Pipe wrench. 1,734,234; Nov. 5.
 Skelton Shovel Co. (See Skelton, Walter E., assignor.)
 Skelton, Walter E., Hamilton, Ontario, Canada, assignor to Skelton Shovel Co., Inc. Handle for shovels and other tools. 1,734,063; Nov. 5.
 Skolnik, Max, and B. Heller, Minneapolis, Minn. Sanding device for automobiles. 1,734,276; Nov. 5.
 Skolnik, Max, and B. G. Heller, Minneapolis, Minn. Electrically-controlled sanding devices for automobiles. 1,734,277; Nov. 5.
 Slopian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,734,285; Nov. 5.
 Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Locomotive or truck. 1,734,007; Nov. 5.
 Smith, A. L., Iron Works, The. (See Scott, Ephraim J., assignor.)
 Smith, Benjamin H., Maplewood, and C. Anderson, Newark, N. J., assignors to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument casing. 1,734,236; Nov. 5.
 Smith, Charles H., deceased, Yucalpa, Calif., G. S. Morrell and H. L. Smith, executors. Ventilating apparatus. 1,734,446; Nov. 5.
 Smith, Charles S., et al., executors. (See Ingersoll, Robert H.)

Smith, Curtiss F., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Handle socket. 1,734,503; Nov. 5.
 Smith, E. Payson. (See Brown, Lloyd J., assignor.)
 Smith, Elmer L., Springfield, Mass., and H. J. Paynter, South Orange, N. J., assignors to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,734,921; Nov. 5.
 Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Friction brake for automotive vehicles. 1,734,535; Nov. 5.
 Smith, Harry L., et al., executors. (See Smith, Charles H.)
 Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Damper. 1,734,450; Nov. 5.
 Smith, Lawrence C., Detroit, Mich. Float valve. 1,734,604; Nov. 5.
 Smith, Lena, and R. Richmond, Chicago, Ill. Bucket. 1,734,852; Nov. 5.
 Smith, Lucy C., Chicago, Ill. Cord take-up and protector. 1,734,605; Nov. 5.
 Smith, Ralph E., assignor to Galton Metallic Vault Company, Galton, Ohio. Dump body. 1,734,054; Nov. 5.
 Smith, Tunia. (See Shull, Daniel L., assignor.)
 Smith, Vernon A., Berkeley, and C. Backman, Oakland, Calif. Slizing saw. 1,734,090; Nov. 5.
 Smith, Walter S., Columbus, Ohio. Scale. 1,734,095; Nov. 5.
 Smith, F. L., Machine Co. (See Novick, Abraham, assignor.)
 Snively, Homer A. (See Mays, J. K., and Snively.)
 Snyder, George C., assignor to Kaelma Manufacturing Company, Inc., New York, N. Y. Bag or envelope. 1,734,451; Nov. 5.
 Snyder, Jacob R., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Shock absorber. 1,734,695; Nov. 5.
 Snyder, Gysbertus C., Cornelius Gordyn, Jr., Jan van de Kamp, and Charles E. A. Maltland, Amsterdam, Netherlands. Alarm-circuit system. 1,734,781; Nov. 5.
 Soelch, George F. (See Ladewig, A. E., and Soelch.)
 Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Piston ring. 1,734,056; Nov. 5.
 Sollinger, Leo, assignor to Eagle Pencil Company, New York, N. Y. Trump indicator. 1,734,650; Nov. 5.
 Soloff, Samuel, Brooklyn, N. Y. Necktie holder. 1,734,237; Nov. 5.
 Sorrel, Victor, and L. A. Lafont, assignors to Uguine-Infra, Grenoble, France. Electric furnace. 1,734,536; Nov. 5.
 Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebottom, assignors.)
 Spencer-Churchill, Edward G., London, England. Klin. 1,734,835; Nov. 5.
 Speranza, Fermilio, Avonmore, Pa. Window fly stop. 1,734,836; Nov. 5.
 Spier, Frederick W., Jr., assignor to The Koppers Company, Pittsburgh, Pa. Gas-purification process. 1,734,307; Nov. 5.
 Sperry Development Company. (See Sperry, Elmer A., assignor.)
 Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Automatic launching device for airplanes. 1,734,383; Nov. 5.
 Sperry Gyroscope Company. (See Schell, Alexander E., assignor.)
 Sperry, Samuel E., Hollis, assignor to Intertype Corporation, New York, N. Y. Keyboard mechanism for typographical machines. 1,734,922; Nov. 5.
 Spielman, William J. (See Herwig, C., Jr., and Spielman.)
 Spieth, William C., Geneva, Ohio. Electric arc lamp. Des. 79,859; Nov. 5.
 Spiral-Bolled Products Co. (See Lapham, Marshall, assignor.)
 Spoon or similar article. E. Saarninen. Des. 79,854; Nov. 5.
 Sprague-Sells Corporation. (See Babcock, Leland A., assignor.)
 Sprague, William F., & Co. (See Kayan, Fritz, assignor.)
 Stalder, Louis. (See MacGahan, P., and Stalder.)
 Stalher, Leo M., Cedar Rapids, Iowa. Laundry air drier. 1,734,354; Nov. 5.
 Stam, Cyrus P., Floral Park, assignor to Oberly & Newell, 545 Pearl St. Corp., New York, N. Y. Advertising-display device. 1,734,782; Nov. 5.
 Standard Automatic Machine Company. (See Penneck, Theodore E., assignor.)
 Standard Chain Company. (See Kittelson, Helmer C., assignor.)
 Standard Gas Engine Co. (See Hamilton, Rush, assignor.)
 Standard Textile Products Company. (See Dieck, Henry W., assignor.)
 Star Chandler Co. (See Hoch, George, assignor.)
 Star Rebound Controller Company, The. (See Snyder, Jacob R., assignor.)
 Stedefeld, Curt. (See Kruckenberg, F., and Stedefeld.)
 Steele & Johnson Mfg. Co. (See Ashley, Enoch J., assignor.)
 Steelastic Company. (See Frost, Warren H., assignor.)
 Steinkamp, Joseph G., Cincinnati, Ohio. Multicoin-control locking mechanism. 1,734,748; Nov. 5.

Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Street-lighting fixture. 1,734,056; Nov. 5.

Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Bus-bar structure. 1,734,537; Nov. 5.

Sterne, Willard F., Buffalo, assignor to American Radiator Company, New York, N. Y. Drinking fountain. 1,734,606; Nov. 5.

Stevens, William C., and G. J. Meuer, assignors, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Vacuum-tube socket. 1,734,783; Nov. 5.

Stevenson, Lester J., Chicago, Ill. Telephone system. 1,734,696; Nov. 5.

Steward, Willard M., New York, N. Y., and H. C. Block, Houston, Tex. Light projector. 1,734,834; Nov. 5.

Stickley, Leopold, Fayetteville, N. Y. Cabinet. 1,734,651; Nov. 5.

Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. Re17,478; Nov. 5.

Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. Re17,483; Nov. 5.

Stiles, Thomas G., Arlington, N. J. Plunger lock circuit controller. 1,734,452; Nov. 5.

Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Pedal-operating mechanism. 1,734,607; Nov. 5.

Stoler, Edward W., Mansfield, Ohio. Nipple for wire spokes. 1,734,184; Nov. 5.

Stone, Enoch G., Piedmont, Okla. Cotton harvester. 1,734,504; Nov. 5.

Stone, Irving I., Chicago, Ill. Centering chuck for web rolls. Re17,479; Nov. 5.

Stötter, Hermann. (See Lommel, W., Münzel, Stötter, and Wenk.)

Stovall, V. A. (See Kinard, James A., assignor.)

Strand, Clarence B., Mahanomen, Minn. Motor-operated assembling tool. 1,734,406; Nov. 5.

Strand, Harry L., Boston, Mass. Tile block and wall construction. 1,734,749; Nov. 5.

Streng, Jan, assignor to The Ansonia Clock Company, New York, N. Y. Timepiece hand. Des. 79,860; Nov. 5.

Streng, Jan, assignor to The Ansonia Clock Company, New York, N. Y. Timepiece hand. Des. 79,861; Nov. 5.

Strother, Robert H., Montclair, N. J., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,734,538; Nov. 5.

Stroup, George E., Homer Township, Ohio. Hay loader. 1,734,100; Nov. 5.

Strum, James A., Watertown, Mass. Building tire carcasses. 1,734,835; Nov. 5.

Sullivan Machinery Company. (See Cartledge, Frank, assignor.)

Sullivan Machinery Company. (See Holmes, Morris P., assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Summey, Alexander B., B. F. Allison, and T. O. Summey, Hillsboro, N. C. Attachment for spinning machines. 1,734,539; Nov. 5.

Summey, Thomas O. (See Summey, A. B., Allison, and Summey.)

Sundback, Gideon, Meadville, Pa. Separable-fastener-locking device. 1,734,750; Nov. 5.

Sundstrand, Gustaf D., assignor, by mesne assignments, to Sundstrand Machine Tool Co., Rockford, Ill. Milling machine. 1,734,308; Nov. 5.

Sundstrand Machine Tool Co. (See Sundstrand, Gustaf D., assignor.)

Sutherland, William T., Chicago, Ill. Tire cover. 1,734,540; Nov. 5.

Sutton, George W., Menasha, Wis. Pintle retainer. 1,734,057; Nov. 5.

Sutton, George W., Menasha, Wis. Sliding furniture shoe. 1,734,058; Nov. 5.

Swanfeldt, Andrew, Los Angeles, Calif. Sun-bath cabinet. 1,734,505; Nov. 5.

Swank, Arthur L., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,734,923; Nov. 5.

Swartley, Harry M., Roxborough, Pa. Weighing device. 1,734,751; Nov. 5.

Swartz, Horrence A., and W. P. Uhler, Tottenville, N. Y. Electric resistance material. 1,734,309; Nov. 5.

Sweeney, Harry C., Brooklyn, assignor to Jacques Sampson, Inc., New York, N. Y. Physical-exercising apparatus. 1,734,238; Nov. 5.

Sweetland, Ernest J., Hazleton, Pa., assignor to United Filters Corporation, New York, N. Y. Filter. 1,734,652; Nov. 5.

Sweitzer, Henry G., Detroit, Mich. Radiator wall shield. 1,734,924; Nov. 5.

Swing, Alfred J. (See McLaughlin, W. F., and Swing.)

Tallman, Samuel, San Bernardino, Calif. Paper clip. 1,734,653; Nov. 5.

Tandberg, John G., Lund, Sweden, assignor to Electrolux Servel, Refrigerant. 1,734,278; Nov. 5.

Tangrins, Olof, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, Method of and apparatus for annealing. 1,734,697; Nov. 5.

Tausig, Joseph, Chicago, Ill. Partition bracket. 1,734,407; Nov. 5.

Taylor, Cyrus. (See Bergmann, C. N., Taylor, Jensen, and Penn.)

Taylor, Elmer Z. (See Bergmann, C. N., and Taylor.)

Taylor, Elmer Z. (See Bergmann, C. N., Taylor, Jensen, and Penn.)

Taylor, George C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, Governor. 1,734,453; Nov. 5.

Taylor, Huston, Detroit, Mich. Boiler. 1,734,310; Nov. 5.

Tedman, Hudson A., assignor to Winslow Boiler & Engineering Co., Galesburg, Ill. Making fans. 1,734,541; Nov. 5.

Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Front wing plow for railroad spreaders. 1,734,279; Nov. 5.

Terao, Sueno, Mitchell, Nebr. Emergency brake. 1,734,059; Nov. 5.

Ternstedt Manufacturing Company. (See Schnell, William, assignor.)

Texas Steel Company. (See Baldwin, Cloise H., assignor.)

Thomas, Adolph A., New York, N. Y. Electric phonograph reproducer. 1,734,454; Nov. 5.

Thomas, Adolph A., New York, N. Y. Electric phonograph reproducer. 1,734,542; Nov. 5.

Thomas, Arthur L., North Charleston, S. C. Shifting mechanism for edgers and the like. 1,734,887; Nov. 5.

Thomas & Betts Co., The. (See Church, Lewis H., assignor.)

Thomas & Betts Co., The. (See Thomas, George C., Jr., assignor.)

Thomas, Clarence D. (See Zenl, Lawrence, assignor.)

Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Outlet-box construction. 1,734,543; Nov. 5.

Thomas, Gerald, assignor of one-fourth to G. Nurse, New York, N. Y. Window-sash construction. 1,734,836; Nov. 5.

Thomas, Hanson, Edgewood, Pa. Method of and apparatus for making bolts. 1,734,752; Nov. 5.

Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, Synchronizing relay system. 1,734,239; Nov. 5.

Thomas, R., & Sons Company, The. (See Holmes, Henry R., assignor.)

Thomas, Willis P., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,734,060; Nov. 5.

Thompson, Ernest H. (See Baur, H. J., and Thompson.)

Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,734,753; Nov. 5.

Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,734,754; Nov. 5.

Thompson, William H., Chicago, Ill., assignor to International Harvester Company, Cultivator. 1,734,408; Nov. 5.

Thornley, Sidney. (See Baddley, J., Dootson, Shepherdson, and Thornley.)

Thwing, Charles B., assignor to Thwing Instrument Company, Philadelphia, Pa. Pyrometer. 1,734,837; Nov. 5.

Thwing Instrument Company. (See Thwing, Charles B., assignor.)

Tide Water Oil Company. (See Chitty, William C., assignor.)

Timken-Detroit Axle Company, The. (See Brussel, John W., assignor.)

Tittel, Ernest. (See Weidmann, L., and Tittel.)

Tobin, Kenneth J., and W. W. Darrow, Chicago, Ill., assignor to Camel Company, Finish car door and supporting means therefor. 1,734,755; Nov. 5.

Tootal Broadhurst Lee Company Limited. (See Foulds, R. P., Marsh, and Wood, assignors.)

Tornberg, Isidor, and H. C. Jordhoy, Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y. Late-news device. 1,734,061; Nov. 5.

Tovey, George H., Schenectady, N. Y., assignor to General Electric Company, Circuit connector. 1,734,925; Nov. 5.

Tracy, Michael J., and J. H. Kintzele, St. Louis, Mo. Case. 1,734,311; Nov. 5.

Trammell, Earl M., assignor to El Paso Sash & Door Company, El Paso, Tex. Ironing board. 1,734,409; Nov. 5.

Trejo M., Rafael, Chicago, Ill. Pressing and folding mechanism. 1,734,654; Nov. 5.

Trenzen, Carl, Hannef-on-the-Rhine, Germany, assignor of two-thirds to C. Schwartz and G. G. G. Hunter, New York, N. Y. Lepidolite enamel and producing same. 1,734,698; Nov. 5.

Tripp, Augustus B., Cliftondale, Mass., assignor to General Electric Company, Piezo-electric device. 1,734,926; Nov. 5.

Tritz, John H., Clinton, Iowa, assignor to Cotta Transmission Corporation, Rockford, Ill. Spray-mist washing apparatus. 1,734,927; Nov. 5.

Tucker, Arthur W., San Antonio, Tex. Coin-controlled circuit closer. 1,734,838; Nov. 5.

Turner, Albert. (See Heald, J. N., and Turner.)

Turner, Eugene C., San Diego, Calif. Combination bolt and hasp. 1,734,655; Nov. 5.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,734,062; Nov. 5.

Twitchell Process Company, The. (See Fischer, C., and Reddish, assignors.)

Ugine-Infra. (See Sorrel, V., and Lafont, assignors.)

Uhler, Wilmer P. (See Swartz, T. A., and Uhler.)

Umbeck, Ella, Washington, D. C. Educational device. 1,734,544; Nov. 5.

Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)

United Filters Corporation. (See Sweetland, Ernest J., assignor.)

United Reproducers Corporation. (See Hawley, Jesse B., assignor.)

United Shoe Machinery Corporation. (See Andrews, Irving B., assignor.)

United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)

United Shoe Machinery Corporation. (See Heys, J. J., and Braden, assignors.)

United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)

United Shoe Machinery Corporation. (See Rightmire, Floyd E., assignor.)

United States Ordnance Company. (See Smith, George L., assignor.)

United States Tent & Awning Company. (See Leftert, Charles B., assignor.)

Universal Veneer Products Company. (See Pointer, Henry V., assignor.)

Unwin, Kenneth J., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent repeated indication of weft exhaustion. 1,734,063; Nov. 5.

Valentine, Irving R., Erie, Pa., assignor to General Electric Company, Treatment of malleable castings. 1,734,928; Nov. 5.

Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,734,656; Nov. 5.

Van Damm, Gerrit, Buffalo, N. Y. Delivering preheated air to combustion chambers. 1,734,545; Nov. 5.

Van de Kamp, Jan. (See Snyder, G. C., Gordyn, van de Kamp, and Maitland.)

Van Leer, Alexander L., The Hague, Netherlands. Brake apparatus for vehicles. 1,734,839; Nov. 5.

Van Ness, Henry E., Elmira, N. Y. Dyeing apparatus. 1,734,455; Nov. 5.

Van Sant, Robert H. (See Wagner, R. W., Williams, and Wells, assignors.)

Van Schaack Bros. Chemical Works, Inc. (See Van Schaack, Robert H., Jr., assignor.)

Van Schaack, Robert H., Jr., Evanston, Ill., assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Pyroxilin composition. 1,734,657; Nov. 5.

Vansickle, Melvin E., assignor to Brandes Laboratories, Inc., Newark, N. J. Electrical phonograph apparatus. 1,734,812; Nov. 5.

Varney, William W. (See Madsen, Charles P., assignor.)

Vaslin, Aurel, Dayton, Ohio. Amusement device. 1,734,064; Nov. 5.

Vaughn Machinery Company, The. (See Blittman, Jesse C., assignor.)

Vedder, John W., Worcester, Mass. Paper-making machine. 1,734,929; Nov. 5.

Vell, John P., Leigh-on-Sea, England. File for papers and like sheets. 1,734,658; Nov. 5.

Veitch, Thomas, Brielle, N. J., assignor of one-half to H. L. Perez, Bronxville, N. Y. Fluid-level indicator. 1,734,185; Nov. 5.

Velling, Jacob J., Milwaukee, Wis. Power apparatus. 1,734,546; Nov. 5.

Vester, Alfred, Sons, Inc. (See Wightman, Thomas H., assignor.)

Vierling, Frank J., and F. R. Bartholomew, Minneapolis, Minn., assignors, by mesne assignments, to Autopoint Company, Chicago, Ill. Pencil. 1,734,784; Nov. 5.

Vignos, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Preservation of metallic surfaces. 1,734,949; Nov. 5.

Vignos, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Preserving metallic surfaces. 1,734,950; Nov. 5.

Villaret, Gustave E., Leonia, N. J., assignor to Metropolitan-Columbia Mfg. Co., Inc. Chandelier. Des. 79,864; Nov. 5.

Villaret, Gustave E., Leonia, N. J., assignor to Metropolitan-Columbia Mfg. Co., Inc. Ceiling lighting fixture. Des. 79,865; Nov. 5.

Viloco Railway Equipment Company. (See Vissering, Harry, assignor.)

Vissering, Harry, Kenilworth, assignor to Viloco Railway Company, Chicago, Ill. Pressed-metal brake step. 1,734,547; Nov. 5.

Vogel, Joseph R. (See Howard, Albert S., assignor.)

Vogel, Robert, New York, N. Y. Vehicle wheel and tire. 1,734,280; Nov. 5.

Volk, Sidney, Benton Harbor, Mich. Skylight. 1,734,840; Nov. 5.

Voll, Max, et al. (See Foss, Edmund, assignor.)

Von Malmberg, Nils W. D., Kokomo, Ind. Casting apparatus. 1,734,813; Nov. 5.

Wacker, Frederick G., and H. W. Zimmerman, assignors to Automotive Maintenance Machinery Co., Chicago, Ill. Tool for grinding valve seats. 1,734,548; Nov. 5.

Wagner, Ralph W., H. S. Williams, and L. M. Wells, assignors to R. H. Van Sant, Chicago, Ill. Vibratory toothbrush. 1,734,281; Nov. 5.

Walt, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Dehydrating caustic. 1,734,699; Nov. 5.

Wakefield, Walter H. (See Unwin, K. J., and Wakefield.)

Walden, John W., Abilene, Tex. Straining funnel. 1,734,841; Nov. 5.

Waldy, Gertrude, Los Angeles, Calif. Garment hanger. 1,734,549; Nov. 5.

Walker, Howard G., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coated core. 1,734,700; Nov. 5.

Walker Manufacturing Company. (See Jakob, Victor, assignor.)

Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,734,355; Nov. 5.

Walloch, Frank A. (See Montleith, C. N., and Walloch.)

Walter, Albert U., assignor to Baltimore Valve Corporation, Baltimore, Md. Faucet. 1,734,506; Nov. 5.

Warner, Clarence, and E. L. Horlacher, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation, Refrigeration apparatus. 1,734,550; Nov. 5.

Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)

Watrous, Earl G., Chicago, Ill. Lavatory. Des. 79,862; Nov. 5.

Weaver, Clark E., Kansas City, Mo. Shipping and storing case. 1,734,314; Nov. 5.

Weaver, Simon H., Schenectady, N. Y., assignor to General Electric Company, Temperature-stabilized shaft for turbines and making the same. 1,734,930; Nov. 5.

Webb, Lewis W., and B. Woodward, Schenectady, N. Y., assignors to General Electric Company, Internal-combustion electric drive. 1,734,931; Nov. 5.

Wechsberg, Anna M., et al., trustees. (See Coppus, Frans H. C., assignor.)

Weed, James M., Ballston Lake, N. Y., assignor to General Electric Company, Well rod and making the same. 1,734,932; Nov. 5.

Weidmann, Lucien, and E. Tittel, Basel, Switzerland. Fire-extinguishing arrangement. 1,734,186; Nov. 5.

Weisenfels, Charles W., assignor to American Thermometer Company, St. Louis, Mo. Instrument mounting. 1,734,315; Nov. 5.

Welch, Albert G., assignor to S. L. Woods, Chicago, Ill. Metal blank for slide bearings. 1,734,356; Nov. 5.

Weller, Ernest E. (See Ashton, Pearl F., assignor.)

Wells, Albert R., London, England. Fastening device. 1,734,410; Nov. 5.

Wells, Emil C., North White Lake, N. Y. Ice-sawing machine. 1,734,888; Nov. 5.

Wells, Leon M. (See Wagner, R. W., Williams, and Wells.)

Welsh, James W., Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple and making the same. 1,734,240; Nov. 5.

Welsh, James W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Rim-stretching device for eyeglass and spectacle frames. 1,734,411; Nov. 5.

Wemp, Ernest E., Detroit, Mich. Clutch. 1,734,101; Nov. 5.

Wenk, Berthold. (See Lommel, W., Münzel, Stötter, and Wenk.)

Werlein, Ewing, et al. (See Sherman, Carroll J., assignor.)

Werotte, Séraphin, Ayvelais, Belgium. Grinding, smoothing, and polishing apparatus. 1,734,065; Nov. 5.

Wessman, Arnt W., Chicago, Ill., assignor to International Harvester Company, Grain weigher. 1,734,412; Nov. 5.

West Disinfecting Company. (See Kooperstein, Louis, assignor.)

Western Electric Company. (See Daniel, Thomas A., assignor.)

Western Electric Company. (See Fisher, Harold J., assignor.)

Western Electric Company. (See Kendall, Burton W., assignor.)

Western Electric Company. (See Kranz, Hermann E., assignor.)

Western Electric Company. (See Lorange, George T., assignor.)

Western Electric Company. (See Martindell, Frank, assignor.)

Western Electric Company. (See Ray, William H., assignor.)

Western Electric Company. (See Seeley, George A., assignor.)

Western Electric Company. (See Walker, Howard G., assignor.)

Western Electric Company. (See Yancey, Thornton M., assignor.)

Western States Machine Company, The. (See Roberts, Eugene, assignor.)

Westinghouse Electric & Manufacturing Company. (See Allen, Robert C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)

Western Electric & Manufacturing Company. (See Legg, Joseph W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Peetz, Wilhelm, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bonton, Edgar M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bradshaw, William M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Golladay, Lawrence R., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Lamb, Carl J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See MacGahan, P., and Stalder, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Ratz, Elmer G., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Sieplan, Joseph, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Smith, R. H., and Anderson, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Taylor, George C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
 Westling, Lester L., and M. R. Hickman, Oakland, Calif. Gas and liquid separator. 1,734,507; Nov. 5.
 Wetzlar, Hans, Offenbach-on-the-Main, Germany. Casting machine. 1,734,316; Nov. 5.
 White, Edward F., Rochester, N. Y. Treating sulphur. 1,734,066; Nov. 5.
 White, Ernest C., assignor to Electric Outlet Company, Inc., New York, N. Y. Electrical connecting and supporting device. 1,734,187; Nov. 5.
 White, Ezekiel F., Chicago, Ill. Fuel metering and feeding device. 1,734,659; Nov. 5.
 White, George E. (See Ostrander, W. H., and White.)
 White, John F., assignor to White Products Co., Chicago, Ill. Hood latch. 1,734,282; Nov. 5.
 White Products Co. (See White, John F., assignor.)
 White, Roy A. (See Hamilton, G. H., and White.)
 White, S. S., Dental Manufacturing Company, The. (See Hallowell, Clifton C., assignor.)
 White, Wallace D., Nashua, N. H., assignor to National Broad Wrapping Machine Company, Boston, Mass. Roll-paper retainer. 1,734,317; Nov. 5.
 White, William E., assignor to Kalman Steel Company, Chicago, Ill. Bridging. 1,734,701; Nov. 5.
 Whitelegg, Robert H., Disley, England. Articulated locomotive. 1,734,508; Nov. 5.
 Wicks, John, Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Measured-service telephone system. 1,734,357; Nov. 5.
 Wico Electric Company. (See Robinson, Walter S., Jr., assignor.)
 Wiener, John A., Rothschild, Wis. Regulating mechanism for steam-generating plants. 1,734,702; Nov. 5.
 Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 79,863; Nov. 5.
 Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Pneumatic-tire casing. 1,734,241; Nov. 5.
 Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,734,242; Nov. 5.
 Wilcox, Richard L., assignor to The Waterbury Barrel Foundry and Machine Company, Waterbury, Conn. Clearance mechanism for misaligned articles. 1,734,319; Nov. 5.
 Willemette Iron and Steel Works. (See Grab, Gustav A., assignor.)
 Williams, Arthur S., Ithaca, N. Y. Combustion generator. 1,734,933; Nov. 5.
 Williams, Calvin C., Philadelphia, Pa. Valve-actuating mechanism. 1,734,842; Nov. 5.
 Williams, Frank C., Philadelphia, Pa. Train-stopping and speed-controlling mechanism. 1,734,509; Nov. 5.
 Williams, George B., Cardiff, and W. J. H. Porter, Penylan, Cardiff, Wales, assignors to New Engineering Construction Company, Limited, London, England. Metallic flooring or grating. 1,734,060; Nov. 5.
 Williams, Harold S. (See Wagner, R. W., Williams, and Wells.)
 Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Rocking dump body. 1,734,320; Nov. 5.
 Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Covered dumping body. 1,734,783; Nov. 5.
 Williams, Robert T., Quincy, assignor to H. M. Sheer Company, Quincy, Ill. Stave. 1,734,843; Nov. 5.
 Wilson Rings Company. (See Wilson, Wylie G., assignor.)
 Wilson, Wylie G., assignor to Wilson Rings Company, Jersey City, N. J. Keying shafts to hubs. 1,734,188; Nov. 5.
 Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Splitting device. 1,734,934; Nov. 5.
 Winslow Boiler & Engineering Co. (See Tedman, Hudson A., assignor.)
 Winthrop Chemical Company. (See Neubert, Oskar, assignor.)

Wolf, Norman E. (See Gallagher, W. J., and Wolf.)
 Wolf, Walter F. (See Gallagher, W. J., and Wolf.)
 Wollin, Mark, Brooklyn, N. Y., and N. F. Ribsam, Jersey City, N. J. Combined vending and amusement machine. 1,734,102; Nov. 5.
 Wood, Frederick C. (See Foulds, R. P., Marsh, and Wood.)
 Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Late-news device. 1,734,067; Nov. 5.
 Wood Newspaper Machinery Corporation. (See Jordhoy, Hans C., assignor.)
 Wood Newspaper Machinery Corporation. (See Tornberg, I., and Jordhoy, assignors.)
 Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
 Wood, Vera L., et al., trustees. (See Coppus, Frans H. C., assignor.)
 Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Impact pulverizer. 1,734,681; Nov. 5.
 Woodard, William E., Forest Hills, N. Y. Locomotive snowplow. 1,734,662; Nov. 5.
 Woods, Sophie L. (See Welch, Albert G., assignor.)
 Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
 Woodward, Bernard. (See Webb, L. W., and Woodward.)
 Woolf, Frank H., Elgin, assignor to Savage Bros Co., Chicago, Ill. Coating machine. 1,734,103; Nov. 5.
 Wozniak, Michael J., Los Angeles, assignor of one-half to S. Wozniak, San Francisco, Calif. Dirigible headlight. 1,734,243; Nov. 5.
 Wozniak, Stephen. (See Wozniak, Michael J., assignor.)
 Wrap-Rite Corporation, The. (See Brownell, Charles O., assignor.)
 Wright, Sumner B., East Orange, N. J., assignor to American Telephone and Telegraph Company. Two-way transmission with repeaters. 1,734,104; Nov. 5.
 Yancey, Thornton M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for unwinding strand material. 1,734,703; Nov. 5.
 Yancey, Thornton M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for unwinding strand material. 1,734,704; Nov. 5.
 Yancey, Thornton M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for unwinding strand material. 1,734,705; Nov. 5.
 Yeager, Roy V., Des Moines, Iowa. Structural floor. 1,734,358; Nov. 5.
 Yeager, Roy V., Des Moines, Iowa. Structural floor. 1,734,359; Nov. 5.
 Yeager, Albert K., New York, N. Y. Recording-weighing-scale switch. 1,734,456; Nov. 5.
 York Ice Machinery Corporation. (See Shive, Jacob A., assignor.)
 Young, Charles L., assignor of one-half to C. A. Prosser, Minneapolis, Minn. Emulsified plastic and paint. 1,734,413; Nov. 5.
 Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Container for asphalts and the like. 1,734,189; Nov. 5.
 Young, Walter, Monte Vista, Colo. Self-setting animal trap. 1,734,663; Nov. 5.
 Youngblood, Knowles, assignor to Nashua-Youngblood Company, Nashua, N. H. Machine for making wrapping bands. 1,734,321; Nov. 5.
 Zaccone, Guy J., Chicago, Ill. Brake mechanism. 1,734,935; Nov. 5.
 Zell, David H. (See Lyddane, Mortimer C., assignor.)
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,866; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,867; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,868; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,869; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,870; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,871; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,872; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,873; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,874; Nov. 5.
 Zell, David H., Brooklyn, N. Y. Vanity case. Des. 79,875; Nov. 5.
 Zeller, Isalah N., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Blade package. 1,734,551; Nov. 5.
 Zenl, Lawrence, Scranton, assignor of one-half to C. D. Thomas, Archbald, Pa. Winder-cop former. 1,734,510; Nov. 5.
 Zerner, Max, New York, and O. K. Reinhardt, Jamaica, N. Y., assignors, by mesne assignments, to Bond Electric Corporation, Jersey City, N. J. Dry battery. 1,734,437; Nov. 5.

Zimmerman, Herman W. (See Wacker, F. G., and Zimmerman.)
 Zimmermann, Max H., Newington, N. H., assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Age-resisting compound for vulcanized rubber. 1,734,953; Nov. 5.
 Zimmermann, Max H., Newington, N. H., assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Age-resisting compound for vulcanized rubber. 1,734,951; Nov. 5.
 Zimmermann, Max H., Newington, N. H., assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Age-resisting compound for vulcanized rubber. 1,734,952; Nov. 5.

Zimmermann, Max H., Newington, N. H., assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Age-resisting compound for vulcanized rubber. 1,734,953; Nov. 5.
 Ziola, Henry A., Toledo, Ohio. Radio dial control. 1,734,068; Nov. 5.
 Züblin, Julius, Singen-on-the-Hohentwiel, Baden, Germany. Apparatus for casting metal. 1,734,786; Nov. 5.
 Zusmer, Moses, Bronx, N. Y. Fish-salting apparatus. 1,734,844; Nov. 5.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid and making it, 2-hydroxynaphthalene-S-monosulfo-6-carboxylic. F. Krecke. 1,734,259; Nov. 5.
Acid, Producing benzoic. G. Barsky. 1,734,029; Nov. 5.
Adding machines, Listing mechanism for. G. J. Barrett. 1,734,069; Nov. 5.
Adhesive, Applying. F. E. Rightmire. 1,734,148; Nov. 5.
Advertisements, Apparatus for animated. F. Marby. 1,734,264; Nov. 5.
Advertising or display device. W. W. Hamel. 1,734,575; Nov. 5.
Advertising stand. F. E. Hatcher. 1,734,804; Nov. 5.
Aeroplane. J. G. Connor. 1,734,114; Nov. 5.
Aeroplane wing. H. Freise. 1,734,801; Nov. 5.
Aero propelling and steering means. M. Gallet. 1,734,251; Nov. 5.
Air cleaner. A. C. Bennett. 1,734,030; Nov. 5.
Air compressor. M. C. Gonzalez. 1,734,292; Nov. 5.
Air heater. C. E. Lucke. 1,734,588; Nov. 5.
Airships, Apparatus for landing. O. Krell. 1,734,812; Nov. 5.
Air washer. H. Kreislinger. 1,734,677; Nov. 5.
Alarm. See—
Fire alarm.
Alarm circuit system. G. C. Snyder, C. Gordyn, Jr., J. Van de Kamp, and C. E. A. Maitland. 1,734,781; Nov. 5.
Alarm for deflated pneumatic tires. D. B. Simpson. 1,734,275; Nov. 5.
Alarm mechanism. A. G. Pappadakis. 1,734,341; Nov. 5.
Aluminum chloride, Making. A. M. Buley. 1,734,200; Nov. 5.
Aluminum chlorosulphate, Making. H. Blumenberg, Jr. 1,734,196; Nov. 5.
Amusement device. A. Vasbin. 1,734,064; Nov. 5.
Amusement ride. J. Irsch. 1,734,856; Nov. 5.
Anchor for use in veneering concrete structures. E. K. Cole. 1,734,364; Nov. 5.
Animal-poking implement. E. W. Farlin. 1,734,082; Nov. 5.
Animal trap. W. F. Hendricks. 1,734,855; Nov. 5.
Animal trap, Self-setting. W. Young. 1,734,663; Nov. 5.
Animatograph for artificial flies for luring game fish. G. F. Reinhardt. 1,734,346; Nov. 5.
Annealing, Method of and apparatus for. O. Tängling. 1,734,697; Nov. 5.
Anti-rattler and fastener for vehicle doors. W. F. Bennett. 1,734,555; Nov. 5.
Apron. J. R. Neelands. Des. 79,840; Nov. 5.
Aqueous dispersions, Production of. L. Kirschbraun. 1,734,437; Nov. 5.
Automobile turning signal. B. H. Alsop. 1,734,512; Nov. 5.
Automobiles, Electrically-controlled, sanding device for. M. Skolnik and B. G. Heller. 1,734,277; Nov. 5.
Automobiles, Sanding device for. M. Skolnik and B. Heller. 1,734,276; Nov. 5.
Awning, Window. J. Huber and M. Rosentreter. 1,734,381; Nov. 5.
Back-rest arrangement. P. W. Olson. 1,734,180; Nov. 5.
Back-rest construction. P. W. Olson. 1,734,179; Nov. 5.
Bag. See—
Hand bag.
Bag-binding method and apparatus. J. E. Cornell. 1,734,287; Nov. 5.
Bag or envelope. G. C. Snyder. 1,734,451; Nov. 5.
Baking pan. E. Katzinger. 1,734,731; Nov. 5.
Bank, Savings. C. Fisher. 1,734,617; Nov. 5.
Bar. See—
Parallel bar.
Base for signal and cable posts, Auxiliary. J. H. Molloy. 1,734,594; Nov. 5.
Base for smoking stands. E. E. Ekvall. Des. 79,794; Nov. 5.
Bathtub, Infant's. J. Gottlieb. 1,734,462; Nov. 5.
Battery. See—
Dry battery.
Battery-box hold-down. B. A. Pollard. 1,734,645; Nov. 5.
Battery carrier. G. H. Allen. 1,734,511; Nov. 5.
Bearing. H. A. S. Howarth. 1,734,906; Nov. 5.
Bearing. H. Marles. 1,734,222; Nov. 5.
Bearing. A. O. Miller. 1,734,591; Nov. 5.
Bearing-adjusting means for roller mills. A. Brünninghaus. 1,734,793; Nov. 5.
Bearing, Balance thrust. J. M. Melott. 1,734,223; Nov. 5.
Bearing device for penknives. C. W. Gutzzeit. 1,734,126; Nov. 5.
Bearing, Thrust. A. E. Schein. 1,734,273; Nov. 5.
Bearings, Metal blank for side. A. G. Welch. 1,734,356; Nov. 5.
Bedchair. E. P. Farrell. 1,734,943; Nov. 5.
Bed stay. J. H. De Boer. 1,734,616; Nov. 5.
Bedstead. W. Lenox. 1,734,218; Nov. 5.
Bench. See—
Piano bench.
Billing machines and the like, Strip-aligning device for. L. F. Hagemann. 1,734,574; Nov. 5.
Bin gate. C. A. McCollum and J. McIntosh. 1,734,686; Nov. 5.
Binder, Loose-leaf. I. Conrad. 1,734,898; Nov. 5.
Bit. See—
Drill bit.
Blade package. I. N. Zeller. 1,734,551; Nov. 5.
Blade-sharpening machine. A. A. Kohlmeier. 1,734,524; Nov. 5.
Bleaching pulp, Method and apparatus for. A. D. Merrill. 1,734,432; Nov. 5.
Block. See—
Butcher's block.
Board. See—
Ironing board.
Body, Covered dumping. L. E. Williams. 1,734,785; Nov. 5.
Body tearing-strip can. Double. J. C. Holloway and H. A. Schulz. 1,734,295; Nov. 5.
Roller. H. Taylor. 1,734,310; Nov. 5.
Roller cleaner. W. P. Thomas. 1,734,060; Nov. 5.
Roller furnace. J. Van Brunt. 1,734,656; Nov. 5.
Bolt and hasp, Combination. E. C. Turner. 1,734,655; Nov. 5.
Bolts, Method of and apparatus for making. H. Thomas. 1,734,752; Nov. 5.
Bonded refractory. J. D. Morgan. 1,734,595; Nov. 5.
Bookbinder. W. R. Kilne. 1,734,134; Nov. 5.
Boot and manufacturing, Top-. A. A. Glidden, T. M. Knowland, and A. M. Grelm. 1,734,478; Nov. 5.
Boring and grinding machines, Centering device for. J. Appleton. 1,734,787; Nov. 5.
Bottle. W. R. Nicholson. Des. 79,842; Nov. 5.
Bottle cap. R. A. Graham. 1,734,372; Nov. 5.
Bottle closure. F. Schneible. 1,734,447; Nov. 5.
Box. See—
Display box.
Stake box.
Bracket. See—
Partition bracket.
Bracket or similar article, Electric wall. G. Hoch. Des. 79,813; Nov. 5.
Bracket or similar article, Electric wall. G. Hoch. Des. 79,815; Nov. 5.
Brake. See—
Emergency brake.
Friction brake.
Brake apparatus for vehicles. A. I. Van Leer. 1,734,839; Nov. 5.
Brake for automotive vehicle, Friction. G. L. Smith. 1,734,535; Nov. 5.
Brake-hanger-suspending means. V. H. Harbert. 1,734,088; Nov. 5.
Brake-lever extension. S. I. Fekete. 1,734,249; Nov. 5.
Brake mechanism. G. J. Zaccane. 1,734,935; Nov. 5.
Brake mechanism, Power. A. L. Roberts. 1,734,403; Nov. 5.
Brake step, Pressed-metal. H. Vlaserling. 1,734,547; Nov. 5.
Bridging. W. E. White. 1,734,701; Nov. 5.
Brooder and heating means therefor. R. A. Gorsuch. 1,734,481; Nov. 5.
Brush for dynamo-electric machinery. W. C. Kalb. 1,734,811; Nov. 5.
Brush, Shaving. W. M. Nelsal. 1,734,873; Nov. 5.
Brush-shifting device. J. I. Hull. 1,734,907; Nov. 5.
Brush supporting and adjusting means for vacuum cleaners. A. C. Cermak. 1,734,695; Nov. 5.
Bucket. L. Smith and R. Richmond. 1,734,352; Nov. 5.
Buckle. P. F. Ashton. Des. 79,782; Nov. 5.
Buckle. J. B. Freysinger. Des. 79,795-9; Nov. 5.
Buckle. T. H. Wightman. Des. 79,863; Nov. 5.
Buckle and trace-supporting loop, Combined backband. W. L. Bectan. 1,734,414; Nov. 5.
Buckle or similar article, Shoe. M. Mann. Des. 79,834-5; Nov. 5.
Buckle, Suspender. W. A. Ormsbee. Des. 79,843; Nov. 5.
Buckles, Making. H. G. Norwood. 1,734,443; Nov. 5.
Bumper, Automobile. H. S. Jandus. Des. 79,817; Nov. 5.
Bumper clamp. H. S. Jandus. 1,734,488; Nov. 5.

xxxviii

ALPHABETICAL LIST OF INVENTIONS

xxxix

Bumper, Vehicle. H. S. Jandus and C. E. Rasmussen. Des. 79,818-19; Nov. 5.
Burner. C. J. Sheridan. 1,734,448; Nov. 5.
Burner and grate, Combined gas. H. Moecker, Jr., F. and O. Hammermeister. 1,734,869; Nov. 5.
Bus-bar structure. A. G. Steinmayer. 1,734,537; Nov. 5.
Butcher's block. A. C. Gunee. 1,734,853; Nov. 5.
Cabinet. L. L. Ginsburg. Des. 79,801; Nov. 5.
Cabinet. L. Stickley. 1,734,651; Nov. 5.
Cabinet, Sun-bath. A. Swanfeldt. 1,734,505; Nov. 5.
Cabinet, Vertical filling. D. B. Hunter. 1,734,168; Nov. 5.
Cable connector. L. H. Church. 1,734,202; Nov. 5.
Cables, Manufacturing long-distance telegraph and telephone. E. Fischer. 1,734,207; Nov. 5.
Calculating machine. R. H. Strother. 1,734,538; Nov. 5.
Can. See—
Dredge top can.
Can. E. Hildebrandt. 1,734,378; Nov. 5.
Can. J. S. Johantjes. 1,734,730; Nov. 5.
Can-filling machine. O. H. Hansen. 1,734,166; Nov. 5.
Can opener. H. Garrison. 1,734,517; Nov. 5.
Capper, Bottle. H. J. Leberer. 1,734,630; Nov. 5.
Car body, Motor. E. P. Jones. 1,734,213-14; Nov. 5.
Car end, Metal. C. E. Ecklund and W. W. Darrow. 1,734,247; Nov. 5.
Carbon monoxide and hydrogen from hydrocarbons, Preparation of mixtures of. L. Casale. 1,734,559; Nov. 5.
Card-cutting machine, Automatic. L. E. La Bombard and M. H. Sidebotham. 1,734,385; Nov. 5.
Card-delivery case. W. H. Ostrander and G. E. White. 1,734,644; Nov. 5.
Card for backings for artificial teeth, Shipping. D. E. Evans. 1,734,032; Nov. 5.
Carrier. See—
Battery carrier.
Mold carrier.
Carton. R. H. Fitz Gerald. 1,734,424; Nov. 5.
Case. See—
Card-delivery case.
Case. M. J. Tracy and J. H. Kintzele. 1,734,311; Nov. 5.
Case for books and book markers, Protective. L. S. and S. L. Harvard. 1,734,376; Nov. 5.
Case or the like, Combination smoking and vanity. W. Schnell. Des. 79,857; Nov. 5.
Case or the like, Smoking. W. Schnell. Des. 79,856; Nov. 5.
Caster, Swivel. W. M. Chesnutt. 1,734,363; Nov. 5.
Caster wheel. W. M. Chesnutt. 1,734,326; Nov. 5.
Casting apparatus. N. W. D. von Malmberg. 1,734,313; Nov. 5.
Casting machine. H. Wetzler. 1,734,316; Nov. 5.
Casting metal, Apparatus for. J. Zühlín. 1,734,786; Nov. 5.
Catamenial appliance. V. Guinzburg. 1,734,464; Nov. 5.
Cellulose condensation product and making same. E. Gebauer-Fuehlweg. 1,734,291; Nov. 5.
Cementing oil, gas, and water wells. H. M. Greene. 1,734,670; Nov. 5.
Centrifugal machine. E. Roberts. 1,734,746; Nov. 5.
Chain, Multiple-drive. F. L. Morse. 1,734,688; Nov. 5.
Chain and lock, Combination. J. W. Bates. 1,734,153; Nov. 5.
Chain structure. H. C. Kittelson. 1,734,383; Nov. 5.
Chair. See—
Bed chair.
Chair. L. H. Morin. 1,734,144; Nov. 5.
Chandler. G. E. Villaret. Des. 79,864; Nov. 5.
Chandler or similar article. G. Hoch. Des. 79,812; Nov. 5.
Chandler or similar article. G. Hoch. Des. 79,814; Nov. 5.
Cheese cutter. J. E. and O. P. Keys. 1,734,133; Nov. 5.
Chemical reactions at high temperatures, Heating and controlling. C. Field. 1,734,329; Nov. 5.
Chick fountain. H. B. Meredith. 1,734,390; Nov. 5.
Chuck for web rolls, Centering. I. I. Stone. Re17,479; Nov. 5.
Cigar piercer. A. Giacomini. 1,734,620; Nov. 5.
Circuit breaker. W. M. Austin. 1,734,190; Nov. 5.
Circuit closer, Coin-controlled. A. W. Tucker. 1,734,638; Nov. 5.
Circuit connector. G. H. Tovey. 1,734,925; Nov. 5.
Circuit controlling device. H. A. Douglas. 1,734,565; Nov. 5.
Circuit controller, Plunger lock. T. G. Stiles. 1,734,452; Nov. 5.
Circuit-controlling device. J. L. Blalack. 1,734,071; Nov. 5.
Circuit make and break device, Automatic electric. J. Shannon and H. Shannon. 1,734,233; Nov. 5.
Clamp. See—
Bumper clamp.
Telescoping arm clamp.
Clamp for railway-car wheels. T. C. Brasel. 1,734,792; Nov. 5.
Clamping printing strips on a holder, Apparatus for. W. R. Allen. 1,734,707; Nov. 5.
Cleaner. See—
Air cleaner.
Boiler cleaner.
Cleaning apparatus, Bottle. J. R. Gruetter. 1,734,463; Nov. 5.
Cleaning device, Screen. A. T. Hedfeldt. 1,734,255; Nov. 5.
Clearance mechanism for misaligned articles. R. L. Wilcox. 1,734,319; Nov. 5.
Cleaning metal surface. H. Adler. 1,734,706; Nov. 5.
Clip. See—
Paper clip.
Clock case, Pyramid. P. and F. Lux. Des. 79,828; Nov. 5.
Clock, Electrically-wound. C. I. Hall. 1,734,902; Nov. 5.
Closure. C. R. Cray. 1,734,563-4; Nov. 5.
Closure. W. Y. Hutchins. 1,734,434; Nov. 5.
Closure cap. E. E. Drumm. 1,734,566; Nov. 5.
Closure for containers. C. R. Cray. 1,734,367; Nov. 5.
Closure for shaft bearings. W. V. Randall. 1,734,691; Nov. 5.
Clutch. D. E. Gamble. 1,734,767; Nov. 5.
Clutch. E. E. Wemp. 1,734,101; Nov. 5.
Coating for wood, metal, or other surfaces and making the same. C. H. Holman and O. W. Hooppaw. 1,734,130; Nov. 5.
Coating machine. F. H. Wolff. 1,734,103; Nov. 5.
Coating strand material, Method of and apparatus for. F. Martindell. 1,734,737; Nov. 5.
Cock, Ball. H. D. Clemmons. 1,734,762; Nov. 5.
Cock or tap for controlling fluids. O. Bracker. 1,734,416; Nov. 5.
Coin-controlled mechanism. L. H. Morin. 1,734,739-40; Nov. 5.
Combustion generator. A. S. Williams. 1,734,933; Nov. 5.
Communication system. B. Rosenbaum and O. Pohle. 1,734,231; Nov. 5.
Composition for application to tractive surfaces. H. B. Dutton. 1,734,798; Nov. 5.
Compound for vulcanized rubber, Age-resisting. M. H. Zimmermann. 1,734,951-3; Nov. 5.
Concrete culvert. S. B. Moore. 1,734,392; Nov. 5.
Condenser, Electrical. F. W. McDonnell. 1,734,178; Nov. 5.
Conductor, Leading in. G. Holst, J. Bergmans, and C. Bol. 1,734,809; Nov. 5.
Confectionery-making apparatus. F. W. Epperson. 1,734,765; Nov. 5.
Connecting rod. H. S. Pierce. 1,734,690; Nov. 5.
Container. I. H. Fowle. 1,734,477; Nov. 5.
Container. J. E. Gunter. 1,734,484; Nov. 5.
Container. J. Paul and A. A. Miller. 1,734,528; Nov. 5.
Container for asphalt and the like. J. H. Young. 1,734,189; Nov. 5.
Container for fluid under pressure. G. A. Benson and F. Scholl. 1,734,514; Nov. 5.
Container, Sheet-metal. J. A. Shive. 1,734,052; Nov. 5.
Containers, boxes, tins, or the like, Device for opening. B. Polak. 1,734,877; Nov. 5.
Containers, Producing veneered. H. V. Pointer. 1,734,272; Nov. 5.
Control mechanism for power plants. C. E. Kelly. 1,734,037; Nov. 5.
Control system. E. M. Bouton. 1,734,198; Nov. 5.
Controlling means. L. W. Eggleston. 1,734,205; Nov. 5.
Controlling oil-burner pilot flames, Apparatus for. A. S. Manich. 1,734,095; Nov. 5.
Controlling system. H. E. Kraus. 1,734,732; Nov. 5.
Conveyer for a continuous normalizer furnace. S. J. Leskawa. 1,734,814; Nov. 5.
Cooler. E. Lüttschen. 1,734,262; Nov. 5.
Cooling system for bearings. H. A. S. Howarth. 1,734,905; Nov. 5.
Cord take-up and protector. L. C. Smith. 1,734,605; Nov. 5.
Core, Coated. H. G. Walker. 1,734,700; Nov. 5.
Corn picker. R. M. Mitchell. 1,734,391; Nov. 5.
Cotton gin. J. E. and O. Mitchell. 1,734,593; Nov. 5.
Cotton separating and cleaning machine. J. E. Mitchell. 1,734,592; Nov. 5.
Coupling. See—
Flexible coupling.
Cover. R. N. Buttenuth. 1,734,761; Nov. 5.
Cover for dumping bodies, Sliding. C. G. Clement. 1,734,327; Nov. 5.
Cover, Kettle. J. Anderson. 1,734,608; Nov. 5.
Cover or the like, Embroidered table. S. N. Mallouk. Des. 79,833; Nov. 5.
Cover, Tire. W. T. Sutherland. 1,734,540; Nov. 5.
Cowling pin. C. N. Monteith and F. A. Walloch. 1,734,526; Nov. 5.
Cultivator. W. H. Thompson. 1,734,408; Nov. 5.
Curb without mouthpiece. O. Clemens. 1,734,156; Nov. 5.
Current, Interrupter for electric. A. Reborl. 1,734,692; Nov. 5.
Curtains, Device for porch. N. M. Faulds. 1,734,800; Nov. 5.
Cutter. See—
Cheese cutter.
Vine cutter.
Vegetable cutter.
Cutter attachment for paper-tape machines. J. Olsen. 1,734,643; Nov. 5.
Damper. H. B. Smith. 1,734,450; Nov. 5.
Damping system. W. M. Bradshaw. 1,734,199; Nov. 5.
Dasher, Laundry air. L. M. Stalker. 1,734,354; Nov. 5.
Deck and swing pipe therefor, Floating. A. M. Griffin. 1,734,622; Nov. 5.
Deck for reservoirs, Floating. A. M. Griffin. 1,734,623; Nov. 5.
Deaerifying liquids, Method and apparatus for. W. S. Elliott. 1,734,515; Nov. 5.
Dehydrating caustic. J. F. Watt. 1,734,699; Nov. 5.
Delivering preheated air to combustion chambers. G. Van Damm. 1,734,545; Nov. 5.

Dental device and utilizing the same. G. P. Phillips. 1,734,398; Nov. 5.
 Dental equipment apparatus. A. F. Pieper. 1,734,744; Nov. 5.
 Dephlegmator. W. M. Cross. 1,734,615; Nov. 5.
 Desiccation apparatus. W. H. Dickerson. 1,734,289; Nov. 5.
 Desk and seat standard. Combination school. E. C. Amuden. 1,734,105; Nov. 5.
 Detector: See—
 Feeler or filling detector.
 Digestive action of the stomach and the changes of its contents. Device for investigating and ascertaining the. C. Funk. 1,734,084; Nov. 5.
 Direction signal. G. MacKay. 1,734,094; Nov. 5.
 Dishwasher. A. G. Kroecker. 1,734,137; Nov. 5.
 Disinfecting apparatus. Drip. L. Koopstein. 1,734,584; Nov. 5.
 Disinfecting seeds. W. P. Raleigh and C. B. Dickey. 1,734,646; Nov. 5.
 Dispenser, salt and pepper. W. J. Miller. 1,734,321; Nov. 5.
 Dispensing apparatus. A. N. Parran. 1,734,045; Nov. 5.
 Dispensing apparatus, liquid. I. H. Creech. 1,734,474; Nov. 5.
 Dispensing device. W. C. Carlson. 1,734,031; Nov. 5.
 Display box. I. Goldberg. 1,734,621; Nov. 5.
 Display device, advertising. C. P. Stam. 1,734,782; Nov. 5.
 Distribution system. T. F. Barton. 1,734,890; Nov. 5.
 Doll. H. L. Gibson. Des. 79,800; Nov. 5.
 Dome with condensing arrangement. Centrifugal. C. Schmitz. 1,734,533; Nov. 5.
 Door and supporting means therefor. Flush car. K. J. Tobin and W. W. Darrow. 1,734,755; Nov. 5.
 Door for freight cars. E. Foss. 1,734,370; Nov. 5.
 Doorlock. J. A. Rymer. 1,734,149; Nov. 5.
 Draft equalizer. G. Johnson. 1,734,436; Nov. 5.
 Drafting instrument and attachment. H. L. Corwin. 1,734,613; Nov. 5.
 Draining system. F. A. Pike. 1,734,777; Nov. 5.
 Dredge-top can. A. A. Saalbach. 1,734,304; Nov. 5.
 Drill bit. W. O. Journeay. 1,734,469; Nov. 5.
 Drill bit. Hydraulic rotary. C. L. Harralson. 1,734,672; Nov. 5.
 Drinking fountain. J. R. Mayhew. Des. 79,836; Nov. 5.
 Drinking fountain. W. F. Sterne. 1,734,606; Nov. 5.
 Dry battery. M. Zerner and O. K. Reinhardt. 1,734,457; Nov. 5.
 Dump body. R. E. Smith. 1,734,054; Nov. 5.
 Dump body. Rocking. L. E. Williams. 1,734,320; Nov. 5.
 Dyeing apparatus. H. E. Van Ness. 1,734,455; Nov. 5.
 Dyestuffs and making same. Water-soluble arylazodilarylamine. H. Eichweide. E. Fischer. and A. Sieglitz. 1,734,246; Nov. 5.
 Dyestuffs. Manufacture of new. J. Baddley, P. Deotson, A. Shepherdson, and S. Thornley. 1,734,789; Nov. 5.
 Dyestuffs. Production of vat. W. M. Murch and W. J. Canwenberg. 1,734,442; Nov. 5.
 Edgers and the like. Shifting mechanism for. A. L. Thomas. 1,734,587; Nov. 5.
 Educational device. A. V. Cooper, sr. 1,734,115; Nov. 5.
 Educational device. E. Umbeck. 1,734,544; Nov. 5.
 Electric control system. L. Kraft and L. Mayr. 1,734,257; Nov. 5.
 Electric-discharge device. F. W. Peek, jr. 1,734,917; Nov. 5.
 Electric drive. Internal-combustion. L. W. Webb and B. Woodward. 1,734,931; Nov. 5.
 Electric furnace. V. Sorrel and L. A. Lafont. 1,734,536; Nov. 5.
 Electric heaters. Radiating element for. H. R. Humphrey. 1,734,382; Nov. 5.
 Electric resistance material. T. A. Swartz and W. P. Uhler. 1,734,309; Nov. 5.
 Electric switch. H. W. Lyon. 1,734,912; Nov. 5.
 Electrical actuating means for clocks and other instruments. G. P. Cowles. 1,734,941; Nov. 5.
 Electrical connector. R. S. Piper. 1,734,145; Nov. 5.
 Electrical connecting and supporting device. E. C. White. 1,734,187; Nov. 5.
 Electrical connection. C. F. Goudy. 1,734,432; Nov. 5.
 Electrical switch and fuse. Combined. H. Redin. 1,734,916; Nov. 5.
 Electrical system for outboard motors. A. Schriell and H. J. Hillborn. 1,734,599; Nov. 5.
 Electricity. Apparatus for generating. Q. V. Dlatofano. 1,734,245; Nov. 5.
 Electroplating tank. C. E. Jones. 1,734,909; Nov. 5.
 Emergency brake. S. Terao. 1,734,059; Nov. 5.
 Enamel and producing same. Lepidolite. C. Trensen. 1,734,698; Nov. 5.
 Engine: See—
 Rotary engine.
 Valve engine.
 Internal-combustion engine.
 Engine-head support and valve-spring compressor, combined. G. C. Gaspy. 1,734,122; Nov. 5.
 Engine method and apparatus. Combustion. F. D. Butler. 1,734,286; Nov. 5.
 Envelope and portfolio. O. J. Oim. 1,734,642; Nov. 5.
 Exercising apparatus. Physical. H. C. Sweeney. 1,734,238; Nov. 5.

Extricating machines. Rope guide for. A. A. Shanklin. 1,734,832; Nov. 5.
 Fabric: See—
 Spring fabric.
 Fans. Making. H. A. Tedman. 1,734,541; Nov. 5.
 Fastener. Separable. G. H. C. Shipman. 1,734,405; Nov. 5.
 Fastening device. A. R. Wells. 1,734,410; Nov. 5.
 Fastening device for overshoes. R. M. Glidden. 1,734,479; Nov. 5.
 Fastening means for securing fabric to a rigid base. W. J. Hadden. 1,734,769; Nov. 5.
 Faucet. A. U. Walter. 1,734,506; Nov. 5.
 Feeding means. Stock. D. E. Milne. 1,734,868; Nov. 5.
 Feeler or filling detector. D. Lemieux. 1,734,525; Nov. 5.
 File-drawer compressor. F. B. Lineberger. 1,734,171; Nov. 5.
 File for papers and like sheets. J. F. Veil. 1,734,658; Nov. 5.
 Filling system. Card. R. T. B. Hastings. 1,734,128; Nov. 5.
 Film-forming solutions. Manufacture of. K. Ripper. 1,734,693; Nov. 5.
 Film splicer. W. F. McLaughlin and A. J. Swiaz. 1,734,141; Nov. 5.
 Film splicer and rewinder. W. F. McLaughlin and A. J. Swiaz. 1,734,142; Nov. 5.
 Film-splicing machine. W. F. McLaughlin and A. J. Swiaz. 1,734,140; Nov. 5.
 Films. Producing colored. R. F. Elder. 1,734,476; Nov. 5.
 Filter. E. J. Sweetland. 1,734,652; Nov. 5.
 Filter element. O. V. Greene. 1,734,125; Nov. 5.
 Filter press. Tubular. H. H. Cannon. 1,734,325; Nov. 5.
 Filtering material. H. Blumenberg, jr. 1,734,197; Nov. 5.
 Finish construction. Interior. R. V. Parsons. 1,734,639; Nov. 5.
 Fire escape. R. N. Shearer. 1,734,833; Nov. 5.
 Fire-extinguishing arrangement. L. Weldmann and E. Tittel. 1,734,186; Nov. 5.
 Fire-extinguishing form. Producing. L. Faber. 1,734,164; Nov. 5.
 Fireplace. Open. A. Brannon. 1,734,849; Nov. 5.
 Fishhook. C. S. Coleman. 1,734,612; Nov. 5.
 Fish lure. J. P. Shannon. 1,734,883; Nov. 5.
 Fish-salting apparatus. M. Zusmer. 1,734,844; Nov. 5.
 Fitting. Handhole. J. Prentice. 1,734,843; Nov. 5.
 Flask: See—
 Mold flask.
 Flexible coupling. Hydraulic. C. E. Nelson. 1,734,043; Nov. 5.
 Flexible coupling. Power-transmitting. H. N. Schramm. 1,734,498; Nov. 5.
 Flexible drive. W. C. Gray. 1,734,427; Nov. 5.
 Floor. Structural. R. V. Yeager. 1,734,354-9; Nov. 5.
 Flooring or grating. Metallic. G. B. Williams and W. J. H. Porter. 1,734,660; Nov. 5.
 Fluid gun. A. R. Cumner. 1,734,368; Nov. 5.
 Fluid-level indicator. T. Veltch. 1,734,185; Nov. 5.
 Flushing apparatus. L. E. Cohoon. 1,734,472; Nov. 5.
 Folding mechanism. A. Novick. 1,734,742; Nov. 5.
 Font of type. A. Dietz. Des. 79,792; Nov. 5.
 Food dispenser. F. Hoke, G. H. Rossebo, and E. R. Col-lison. 1,734,466; Nov. 5.
 Footwear. L. H. Barone. 1,734,846; Nov. 5.
 Fountain: See—
 Chick fountain.
 Drinking fountain.
 Frame: See—
 Harrow frame.
 Frames. Manufacturing screen. A. G. Borchert. 1,734,710; Nov. 5.
 Friction brake. J. S. Thompson. 1,734,753-4; Nov. 5.
 Fruit squeezer. E. H. Mitcham. 1,734,265; Nov. 5.
 Fruits. Apparatus for recovering the valuable constituents from citrus. H. M. Shields. 1,734,534; Nov. 5.
 Fuel-burning apparatus. C. E. Hawke. 1,734,486; Nov. 5.
 Fuel-burning furnace. Pulverized. M. Frisch. 1,734,669; Nov. 5.
 Fuel-injection system. L. O. French. 1,734,802; Nov. 5.
 Fuel metering and feeding device. E. F. White. 1,734,659; Nov. 5.
 Funnel. Straining. J. W. Walden. 1,734,841; Nov. 5.
 Furnace: See—
 Boiler furnace.
 Electric furnace.
 Fuel-burning furnace.
 Hot-air furnace.
 Furnaces. Draft control for steam-boiler. J. A. Johnson and G. A. Benson. 1,734,210; Nov. 5.
 Furniture shoe. Sliding. G. W. Sutton. 1,734,068; Nov. 5.
 Furniture slide. W. F. Herold. 1,734,727; Nov. 5.
 Fuse. Renewable. J. Johnson. 1,734,211; Nov. 5.
 Game package. W. J. Gallagher, and N. E. and W. F. Wolf. 1,734,425; Nov. 5.
 Garment hanger. G. Waidy. 1,734,549; Nov. 5.
 Garment package. L. E. La Bombard and M. H. Sidebot-ham. 1,734,586; Nov. 5.
 Gas and liquid separator. L. L. Westling and M. R. Hick-man. 1,734,507; Nov. 5.
 Gas-purification process. F. W. Sperr, jr. 1,734,507; Nov. 5.
 Gas-venting device. E. J. Bloom. 1,734,861; Nov. 5.

Gasifying oil. Apparatus for. A. Schwarz. 1,734,648; Nov. 5.
 Gate: See—
 Bin gate.
 Gear. Air-starting. W. Heftl. 1,734,673; Nov. 5.
 Gear and bearing assembly for Fordson tractors. R. Hamil-ton. 1,734,376; Nov. 5.
 Gear control. Valve. H. J. Claxton. 1,734,795; Nov. 5.
 Gear-shifting mechanism. W. F. Mottier. 1,734,441; Nov. 5.
 Generating plant. Automatic. A. F. Brotz. 1,734,557; Nov. 5.
 Generator: See—
 Combustion generator.
 Glass. Apparatus for making composite. H. K. Hitchcock. 1,734,379-80; Nov. 5.
 Glass. Producing sheet. N. Fransen. 1,734,250; Nov. 5.
 Governor. G. C. Taylor. 1,734,453; Nov. 5.
 Grabhook. N. Ekberg. 1,734,719; Nov. 5.
 Grader. W. B. Quillen. 1,734,400; Nov. 5.
 Grain separator. G. A. Larson. 1,734,261; Nov. 5.
 Grating. F. J. Brown. 1,734,471; Nov. 5.
 Gravity motor. J. T. Ross. 1,734,829; Nov. 5.
 Grids. Device for assembling metal. S. Gurian. 1,734,485; Nov. 5.
 Grinding machine. J. N. Heald and A. Turner. Re17,477; Nov. 5.
 Grinding machine. Universal radial. P. T. Lennon. 1,734,735; Nov. 5.
 Grinding, smoothing, and polishing apparatus. S. Werotte. 1,734,065; Nov. 5.
 Grip for golf clubs. A. S. Lyndon. 1,734,684; Nov. 5.
 Guard for toothed sector gears. H. Schuler. 1,734,051; Nov. 5.
 Guard. Window. A. S. Bierfield. 1,734,415; Nov. 5.
 Guide rail for tables of apparatus for grinding, smoothing, and polishing plate or sheet glass and other similar materials. C. Heuze. 1,734,056; Nov. 5.
 Guiding device for tractors. L. Baker. 1,734,151; Nov. 5.
 Gun. G. A. Schwoebel. 1,734,501; Nov. 5.
 Gun. Barreless barrel. J. F. Pfeiffer. 1,734,876; Nov. 5.
 Gun port. E. H. Ellison. 1,734,720; Nov. 5.
 Gymnasium traveling rings. F. Albach. 1,734,665; Nov. 5.
 Halter. Rope. E. S. Beckwith. 1,734,891; Nov. 5.
 Hand bag. J. N. Lowe. 1,734,587; Nov. 5.
 Handle for shovels and other tools. W. E. Skelton. 1,734,053; Nov. 5.
 Handling merchandise. Apparatus for. F. A. L. Bloom. 1,734,318; Nov. 5.
 Hanger: See—
 Garment hanger.
 Harness construction. E. Blecha. 1,734,195; Nov. 5.
 Harrow frame. Disk. W. R. Peterson. 1,734,397; Nov. 5.
 Harrow or the like with yielding prongs. E. L. Petterson. 1,734,875; Nov. 5.
 Harvester. Cotton. E. G. Stone. 1,734,504; Nov. 5.
 Harvester. Windrow. C. R. Raney. 1,734,401; Nov. 5.
 Hay loader. G. E. Stroup. 1,734,100; Nov. 5.
 Headlight anti glare device. I. S. Draper. 1,734,081; Nov. 5.
 Headlight. Dirigible. M. J. Woonack. 1,734,243; Nov. 5.
 Heat-exchange apparatus. F. Schubart. 1,734,274; Nov. 5.
 Heat exchanger. J. P. Rathbun. Re17,480; Nov. 5.
 Heater: See—
 Air heater.
 Liquid heater.
 Water heater.
 Heater. W. M. Cross. 1,734,079; Nov. 5.
 Heater or boiler. Water. V. O. Jones. 1,734,490; Nov. 5.
 Heating apparatus. Thermally-controlled. I. B. Andrews. 1,734,608; Nov. 5.
 Heating articles. Method and apparatus for electrically. H. E. Norman. 1,734,913; Nov. 5.
 Heating system. Steam. E. W. Larsen. 1,734,334; Nov. 5.
 Heating, ventilating, and humidifying apparatus. C. P. Eisenhauer. 1,734,163; Nov. 5.
 Helicopter. F. B. Many. 1,734,263; Nov. 5.
 Hide, skin, or leather working machine. Bladed. W. F. Ayles. 1,734,106; Nov. 5.
 Hinge. G. E. Roedding. Des. 79,846; Nov. 5.
 Hinge. Automobile windshield. C. E. Jeffers. 1,734,810; Nov. 5.
 Hinge for toilet seats. J. W. Bishop. 1,734,556; Nov. 5.
 Hinge. Toilet-seat. P. A. Johnson. 1,734,169; Nov. 5.
 Hobs. Making. J. W. Brussel. 1,734,568; Nov. 5.
 Hoe. Traveling back anchor for power. W. W. Sayers. 1,734,882; Nov. 5.
 Hoist. Traversing. G. A. Grab. 1,734,880; Nov. 5.
 Holder. Cigar. J. G. Lopez. 1,734,815; Nov. 5.
 Holder for stick material. C. N. Coryell. 1,734,116-7; Nov. 5.
 Holder. Haircloth and bib. J. G. Hulme. 1,734,626; Nov. 5.
 Holder. Harmonica. L. A. Elkington. 1,734,796; Nov. 5.
 Holder. Necktie. S. Solos. 1,734,257; Nov. 5.
 Holder. Nursing-bottle. B. F. Kaufman. 1,734,522; Nov. 5.
 Holder. Sheet. P. A. Frazier. 1,734,618; Nov. 5.
 Holder. Sign. W. C. Bock. Des. 79,784; Nov. 5.
 Holder with top lock. Tool. O. Severson. 1,734,502; Nov. 5.

Holding means for vanity cases. W. G. Kendall. 1,734,860; Nov. 5.
 Holding ring for compact plates. W. G. Kendall. 1,734,859; Nov. 5.
 Hook device. Bull. R. Banks. 1,734,610; Nov. 5.
 Horse collar. J. M. Connors. 1,734,796; Nov. 5.
 Hose connector. Separable. E. J. Ashley. 1,734,757; Nov. 5.
 Hot-air furnace. Gas-heated. G. F. Reznor. 1,734,647; Nov. 5.
 Hot-water table. C. Fiore. 1,734,667; Nov. 5.
 Humidifier for internal-combustion engines. F. L. Nash and J. E. Cox. 1,734,872; Nov. 5.
 Hydraulic clean-out device. H. W. Fisch. 1,734,206; Nov. 5.
 Ice-sawing machine. E. C. Wells. 1,734,888; Nov. 5.
 Ignition mechanism. J. N. Macrae. 1,734,299; Nov. 5.
 Impurities and dissolved matter in water and other fluids. Apparatus for the detection and estimation of. C. E. Perry. 1,734,342; Nov. 5.
 Inclosure and handle. Automobile winter. J. W. Osten. 1,734,339; Nov. 5.
 Indicator: See—
 Fruit-level indicator.
 Trump indicator.
 Inhibiting compound. L. J. Christmann. 1,734,561; Nov. 5.
 Inhibitor. L. J. Christmann. 1,734,560; Nov. 5.
 Inner tube. Spring. M. V. Beck. 1,734,823; Nov. 5.
 Insect trap. C. March. 1,734,818; Nov. 5.
 Insecticide. Manufacture and use of. C. N. Hand. 1,734,519; Nov. 5.
 Instrument mounting. C. W. Welsensfeld. 1,734,315; Nov. 5.
 Insulated stool. Nonskidding. M. B. Salisbury. 1,734,597; Nov. 5.
 Insulating structure. K. W. Huffine. 1,734,209; Nov. 5.
 Insulation. Apparatus for removing. W. H. Ray. 1,734,745; Nov. 5.
 Insulation-forming machine. R. W. Baker. 1,734,192; Nov. 5.
 Insulator fitting. Suspension. H. R. Holmes. 1,734,167; Nov. 5.
 Interlocking bolts and nuts. M. Lapham. 1,734,681; Nov. 5.
 Internal-combustion engine. P. M. Cassat. 1,734,201; Nov. 5.
 Internal-combustion engine. C. M. and S. O. H. Clement-son. 1,734,076; Nov. 5.
 Internal-combustion engine. E. P. Dumanols. 1,734,763-4; Nov. 5.
 Internal-combustion engine. P. Jereb. 1,734,489; Nov. 5.
 Internal-combustion engine. D. J. Martin. 1,734,867; Nov. 5.
 Internal-combustion engine. A. Moorhouse. 1,734,267; Nov. 5.
 Internal-combustion engine. C. W. Pendock. 1,734,181; Nov. 5.
 Internal-combustion engine. Two-cycle. C. G. Curtis. 1,734,459; Nov. 5.
 Ironing board. J. E. Kalgren. 1,734,627; Nov. 5.
 Ironing board. E. M. Trammell. 1,734,409; Nov. 5.
 Ironing machine. Portable. M. Hedgdon. 1,734,089; Nov. 5.
 Ironing table. J. E. Kalgren. 1,734,628; Nov. 5.
 Irrigator. Canine nasal. G. G. Graham. 1,734,426; Nov. 5.
 Jack: See—
 Lifting jack.
 Jack. W. B. Runyan. 1,734,831; Nov. 5.
 Jar: See—
 Paste jar.
 Jar opener. N. C. Disco. 1,734,204; Nov. 5.
 Jewelry and making it. Linked. O. Heyman. 1,734,625; Nov. 5.
 Jockey stick. B. R. Mansfield. 1,734,817; Nov. 5.
 Joint: See—
 Wrist-pin joint.
 Kilm. E. G. Spencer-Churchill. 1,734,855; Nov. 5.
 Kilm. Dry. F. M. Creighton and W. E. Gray. 1,734,850; Nov. 5.
 Kilm. Rotary. A. J. Briggs. 1,734,417; Nov. 5.
 Kite. L. Knott. 1,734,493; Nov. 5.
 Knob. Door. A. F. Hazelwood. 1,734,520; Nov. 5.
 Lacing and like articles and making the same. F. W. Mer-riek. 1,734,788; Nov. 5.
 Lamp. A. Aloisi. Des. 79,781; Nov. 5.
 Lamp. Electric-arc. W. C. Spiech. Des. 79,859; Nov. 5.
 Lamp. Floor. O. F. Seeger. Des. 79,858; Nov. 5.
 Lamps or analogous articles. Body for. J. Grossman. Des. 79,803-9; Nov. 5.
 Lap doffer. Automatic. T. S. Ramsdell. 1,734,302; Nov. 5.
 Lasts and shoes. Fitting. W. J. De Wilt. 1,734,203; Nov. 5.
 Latch. A. Anderson and F. W. A. Henfield. 1,734,708; Nov. 5.
 Latch. G. E. Roedding. Des. 79,847-51; Nov. 5.
 Latch. Hood. J. F. White. 1,734,282; Nov. 5.
 Launching device for airplanes. Automatic. E. A. Sperry. 1,734,353; Nov. 5.
 Lavatory. E. G. Watrous. Des. 79,862; Nov. 5.
 Lead compounds. Making. C. H. Braselton. 1,734,285; Nov. 5.
 Leading-in wire for glass vessels. E. Friederich. 1,734,900; Nov. 5.

Lens mounting, Focusing. A. F. Koehler. 1,734,438; Nov. 5.
 Lenses, Making fused multifocal. C. G. Haering. 1,734,428; Nov. 5.
 Leveling device. J. A. Kinard. 1,734,215; Nov. 5.
 Life preserver. S. Gates. 1,734,619; Nov. 5.
 Lifting jack, Hydraulic. J. E. Ludwig. 1,734,816; Nov. 5.
 Lifting jack, Hydraulic. J. E. Ludwig. 1,734,816; Nov. 5.
 Light or the like for an automotive vehicle, Dome. W. Schnell. Des. 79,855; Nov. 5.
 Light projector. W. M. Steward and H. C. Block. 1,734,834; Nov. 5.
 Lighter, Cigar. E. E. Bosca. Des. 79,785; Nov. 5.
 Lighter, Cigar. C. Hardy. 1,734,465; Nov. 5.
 Lighters, Filling device for. C. T. Marsh. 1,734,388; Nov. 5.
 Lighting fixture, Ceiling. G. E. Villaret. Des. 79,865; Nov. 5.
 Lighting fixture, Streets. A. G. Steinhilber. 1,734,056; Nov. 5.
 Lighting switch. H. E. Norvick. 1,734,226-7; Nov. 5.
 Lightning arrester. J. Slepian. 1,734,235; Nov. 5.
 Lightning-arrester unit. L. R. Golladay. 1,734,208; Nov. 5.
 Link, Emergency repair. R. R. Roth. 1,734,830; Nov. 5.
 Link, Cleaver for filling stop motions. A. A. Gordon. 1,734,086; Nov. 5.
 Liquid heater, Electric. A. Martin and F. H. Finnegan. 1,734,335; Nov. 5.
 Lock. See—
 Nut lock. Primer lock.
 Permutation lock.
 Lock. E. N. Jacobl. 1,734,333; Nov. 5.
 Lock device for numbering machines. G. Primbs, jr. 1,734,399; Nov. 5.
 Locking device, Plate. H. C. Jordhoy. 1,734,093; Nov. 5.
 Locking device, Separable-fastener. G. Sundback. 1,734,750; Nov. 5.
 Locking mechanism, Multicoin-control. J. G. Steinkamp. 1,734,748; Nov. 5.
 Locomotive, Articulated. R. H. Whitelegg. 1,734,508; Nov. 5.
 Locomotive drafting plant. F. H. C. Coppus. 1,734,078; Nov. 5.
 Locomotive or truck. W. W. Sloane. 1,734,097; Nov. 5.
 Looms, Harness mechanism for. E. F. Baldwin. 1,734,513; Nov. 5.
 Looms. Needle motion for Axminster. E. R. Holmes. 1,734,091; Nov. 5.
 Looms, Salvage mechanism for leno. H. A. Davis. 1,734,942; Nov. 5.
 Looms, Stop motion for. G. D. Goodspeed. 1,734,252; Nov. 5.
 Looms, Weft detector for. R. G. Turner. 1,734,062; Nov. 5.
 Lubricating fitting. E. W. Davis. 1,734,288; Nov. 5.
 Luggage guard. J. Rosenbaum. 1,734,182; Nov. 5.
 Machine for applying container closures. T. E. Pennock. 1,734,529; Nov. 5.
 Machine for cutting ribbons from bias or straight-woven textile fabric, leather, rubber, or other similar materials. S. A. Brandon. 1,734,848; Nov. 5.
 Machine for making wrapping bands. K. Youngblood. 1,734,321; Nov. 5.
 Machine for sharpening blades. A. A. Kohlmler. 1,734,494; Nov. 5.
 Machine for treating belts. A. J. Collins. 1,734,365; Nov. 5.
 Machine for treating the tops of pineapples. C. H. Dolan, jr. 1,734,159; Nov. 5.
 Machining compression recesses in cylinder heads. C. F. Jeffries. 1,734,908; Nov. 5.
 Magnet, Meter-damping. W. Beetz. 1,734,193; Nov. 5.
 Magneto. W. S. Robinson, jr. 1,734,918; Nov. 5.
 Magneto. A. Schrell. 1,734,350; Nov. 5.
 Marking machine. P. R. Glass. 1,734,123; Nov. 5.
 Measurement-instrument casing, Electrical. B. H. Smith and C. Anderson. 1,734,236; Nov. 5.
 Measuring conveyor. F. M. and W. F. Gunn. 1,734,671; Nov. 5.
 Measuring instrument, Electrical. P. MacGahan and L. Stalder. 1,734,220; Nov. 5.
 Measuring instrument, Electrical. E. G. Ratz. 1,734,229; Nov. 5.
 Measuring instruments, Indicating elements of. J. A. Hartcup. 1,734,430; Nov. 5.
 Measuring machine, Unit. C. N. Bergmann, E. Z. and C. Taylor, J. P. Jensen, and W. A. Penn. 1,734,107; Nov. 5.
 Measuring machine, Unit. C. N. Bergmann, E. Z. and C. Taylor. 1,734,198; Nov. 5.
 Memorandum and making the same, Mechanical. M. Lichter. 1,734,496; Nov. 5.
 Mercury arc rectifier system. J. C. Read. 1,734,915; Nov. 5.
 Meter. See—
 Wattless component meter.
 Meters, Controlling induction electricity. W. Beusch. 1,734,110; Nov. 5.
 Milling machine. G. D. Sundstrand. 1,734,308; Nov. 5.
 Mining apparatus. M. P. Holmes. 1,734,296; Nov. 5.
 Mining machine. F. Carllidge. 1,734,938-40; Nov. 5.
 Mining machine. M. P. Holmes. 1,734,945-6; Nov. 5.

Mixer. F. D. Koerkle. 1,734,862; Nov. 5.
 Mixing apparatus. G. A. Sealey. 1,734,747; Nov. 5.
 Moistener. H. Hellweg. 1,734,293; Nov. 5.
 Mold carrier. F. E. McCabe. 1,734,175; Nov. 5.
 Mold flask. F. E. McCabe. 1,734,300; Nov. 5.
 Mold-making machine. F. E. McCabe. 1,734,177; Nov. 5.
 Mold shake-out apparatus. F. E. McCabe. 1,734,176; Nov. 5.
 Molding system. F. E. McCabe. 1,734,174; Nov. 5.
 Mothproof article and preparing it. W. Lommel, H. Münzel, H. Stötter, and B. Wenk. 1,734,682; Nov. 5.
 Motor. See—
 Gravity motor.
 Motor controller. C. F. Scott. 1,734,919; Nov. 5.
 Motor with attachments therefor, Household. J. E. Rogers. 1,734,500; Nov. 5.
 Motors, Anticavitation plate for outboard. D. W. Kling and A. L. Lockwood. 1,734,911; Nov. 5.
 Motors, Oil rectifying apparatus for internal-combustion. W. B. Clifford. 1,734,666; Nov. 5.
 Mower, Power. J. A. E. Carlson. 1,734,713; Nov. 5.
 Mowing machine. C. Pearson. 1,734,396; Nov. 5.
 Musical instrument, Mechanical. F. Kavan. 1,734,770; Nov. 5.
 Name and bell button plate, Combined. G. H. Krogel. 1,734,678; Nov. 5.
 Needle and the like. S. W. Finch. 1,734,423; Nov. 5.
 Needle-shogging mechanism. C. W. Mueller. 1,734,822; Nov. 5.
 News device, Late. I. Tornberg and H. C. Jordhoy. 1,734,061; Nov. 5.
 News device, Late. H. A. W. Wood. 1,734,067; Nov. 5.
 Nipple for wire spokes. E. W. Stoler. 1,734,184; Nov. 5.
 Nut for bolts and the like, Lock. C. E. S. Place, sr. 1,734,445; Nov. 5.
 Nut, Lock. P. A. Garrup. 1,734,461; Nov. 5.
 Nut lock. H. F. Paul. 1,734,743; Nov. 5.
 Oilcloth. H. W. Dieck. Des. 79,790-1; Nov. 5.
 Oiler and feeder, Combination hog. C. W. Hargraves. 1,734,035; Nov. 5.
 Oils, fats, fatty acids, and waxes, Manufacture of sulphated. W. Seck. 1,734,050; Nov. 5.
 Opening and closing garage doors, Mechanism for automatically. E. R. Frank. 1,734,899; Nov. 5.
 Ores for the recovery of titanium, Treatment of. A. W. Gregory. 1,734,034; Nov. 5.
 Oscillograph. J. W. Legg. 1,734,217; Nov. 5.
 Outlet-box construction. G. C. Thomas, jr. 1,734,543; Nov. 5.
 Oven. O. P. R. Lehmann. 1,734,138; Nov. 5.
 Oven, Heat-treating. A. W. Morse. 1,734,871; Nov. 5.
 Oven, Radiant-heat. A. W. Morse. 1,734,870; Nov. 5.
 Overshot. W. S. Jones. 1,734,468; Nov. 5.
 Packer for wells. J. H. McEvoy. 1,734,040; Nov. 5.
 Packing and making the same. R. B. Kellogg. 1,734,470; Nov. 5.
 Padlock. W. R. Maxwell. 1,734,819; Nov. 5.
 Pan. See—
 Baking pan.
 Pan for outboard motors, Drip. D. W. Kling and F. T. Irgens. 1,734,910; Nov. 5.
 Pantographic-reproducing apparatus. R. E. Gray. 1,734,573; Nov. 5.
 Paper aligner for billing machines. L. F. Hagemann. 1,734,374; Nov. 5.
 Paper, Apparatus for surfacing. J. M. W. Kitchen. 1,734,297; Nov. 5.
 Paper clip. S. Talsman. 1,734,653; Nov. 5.
 Paper-making machine. R. E. Read. 1,734,879; Nov. 5.
 Paper-making machine. J. W. Vedder. 1,734,929; Nov. 5.
 Parallel bar, Gymnasium. F. Albach. 1,734,664; Nov. 5.
 Partition and like building blocks, Manufacture of. I. Pick. 1,734,826; Nov. 5.
 Partition bracket. J. Taussig. 1,734,407; Nov. 5.
 Partition construction, Plastered-building. J. K. Mays and H. A. Snelvy. 1,734,635; Nov. 5.
 Paste jar. A. Paulson. 1,734,444; Nov. 5.
 Pasteurizing apparatus. J. H. Godfrey. 1,734,570-1; Nov. 5.
 Pedal-operating mechanism. C. F. Stoddard. 1,734,607; Nov. 5.
 Pencil. F. J. Vierling and F. R. Bartholomew. 1,734,784; Nov. 5.
 Permutation lock. E. L. Higgins. 1,734,579; Nov. 5.
 Petroleum, Apparatus for refining crude. F. G. Ring and P. G. Paris. 1,734,880; Nov. 5.
 Phonograph. C. P. Madsen. 1,734,172; Nov. 5.
 Phonograph apparatus, Electrical. M. E. Vansickle. 1,734,312; Nov. 5.
 Phonograph reproducer, Electric. A. A. Thomas. 1,734,454; Nov. 5.
 Photograph exhibitor. H. F. Bandt. 1,734,790; Nov. 5.
 Photographic-Printing Machine. T. G. Pate. 1,734,825; Nov. 5.
 Photographs, Apparatus for producing margined. L. G. Simjian. 1,734,780; Nov. 5.
 Photophonographic apparatus and method. B. E. Eldred. 1,734,248; Nov. 5.
 Piano, Automatic. J. H. Dickinson. 1,734,717; Nov. 5.
 Piano bench. S. E. Overton. 1,734,340; Nov. 5.
 Picker. See—
 Corn picker.
 Picking machine. E. O. Patz. 1,734,046; Nov. 5.

Picture projectors, Shutter for moving. H. C. Markham. 1,734,221; Nov. 5.
 Picture screen, Motion. A. S. Howard. 1,734,467; Nov. 5.
 Pie ring. K. Conry. 1,734,328; Nov. 5.
 Piezo-electric device. A. B. Tripp. 1,734,926; Nov. 5.
 Pin. See—
 Cowling pin. Self-lubricating pin.
 Pintle retainer. G. W. Sutton. 1,734,057; Nov. 5.
 Pipe. See—
 Turkish pipe.
 Pipe wrench. J. Skaug. 1,734,234; Nov. 5.
 Pipe wrench, Interior. G. R. Livergood. 1,734,439; Nov. 5.
 Piston diaphragm having tangential corrugations. H. C. Harrison. 1,734,624; Nov. 5.
 Piston, Removable. P. F. Godfrey. 1,734,085; Nov. 5.
 Piston ring. D. M. Solenberger. 1,734,055; Nov. 5.
 Plastic and paint, Emulsified. C. L. Young. 1,734,413; Nov. 5.
 Plate or similar article. F. G. Holmes. Des. 79,816; Nov. 5.
 Plow. O. A. K. Printz. 1,734,878; Nov. 5.
 Plow for railroad spreaders, Front-wing. V. G. Tellis. 1,734,279; Nov. 5.
 Plug dresser. W. E. Knott. 1,734,256; Nov. 5.
 Plug, Multiple attachment. A. A. Canton and H. Becher. 1,734,073; Nov. 5.
 Plug packer. E. E. Simpson. 1,734,884; Nov. 5.
 Pocket. H. Felt. 1,734,422; Nov. 5.
 Point setter, Glazier's. L. W. Mayer and P. R. Wetzel. 1,734,820; Nov. 5.
 Pole, Tent. C. B. Leffert. 1,734,170; Nov. 5.
 Portable shelter. F. R. Gable. 1,734,803; Nov. 5.
 Portfolio. S. Kraft. 1,734,563; Nov. 5.
 Post. See—
 Signal post.
 Pot furnace. L. C. Koenig. 1,734,620; Nov. 5.
 Power apparatus. J. J. Velling. 1,734,546; Nov. 5.
 Power-transmission apparatus. N. G. Morici. 1,734,143; Nov. 5.
 Preservation of metallic surfaces. J. C. Vignos. 1,734,949; Nov. 5.
 Preserving metallic surfaces. J. C. Vignos. 1,734,950; Nov. 5.
 Press. See—
 Filter press.
 Press. R. F. Morrison. 1,734,741; Nov. 5.
 Press for paper tablets. S. S. Gerrie. 1,734,901; Nov. 5.
 Pressing and folding mechanism. R. Trejo M. 1,734,654; Nov. 5.
 Pressing form and making it. J. J. Heys and A. R. Braden. 1,734,294; Nov. 5.
 Pressing machine, Garment. F. E. Baker. 1,734,936; Nov. 5.
 Pressure regulator for homogenizing device. J. M. McClatchie. 1,734,389; Nov. 5.
 Primer lock. E. Bartels. 1,734,152; Nov. 5.
 Printing press, Driving mechanism for. A. J. Cline. 1,734,077; Nov. 5.
 Propeller shaft and method of making. A. Moorhouse. 1,734,268; Nov. 5.
 Propellers, Spring-cushioned drive for. O. Evinrude. 1,734,119; Nov. 5.
 Protector, Dress. A. L. Deming. 1,734,157; Nov. 5.
 Protector for automobiles. E. A. Banschbach. 1,734,758; Nov. 5.
 Pulverizer, Impact. W. R. Wood. 1,734,661; Nov. 5.
 Pump. A. Randolph. 1,734,779; Nov. 5.
 Pump construction, Vapor vacuum. E. Kobel. 1,734,135; Nov. 5.
 Pump, Drainage. J. Markman. 1,734,440; Nov. 5.
 Pump for the delivery of liquids in predetermined amounts. T. Di Tolla. 1,734,421; Nov. 5.
 Pump, Fuel. H. Caminez. 1,734,155; Nov. 5.
 Pump, Lubricant and fuel. A. Frisch. 1,734,721; Nov. 5.
 Pump, Valveless rotary. E. J. Scott. 1,734,600; Nov. 5.
 Pumping mechanism, Long-stroke. D. L. Shull. 1,734,649; Nov. 5.
 Pumps, Primer for vacuum. C. A. Dunham. 1,734,567; Nov. 5.
 Pyrometer. C. B. Thwing. 1,734,837; Nov. 5.
 Pyrotechnical device. W. F. Gehrig. 1,734,722; Nov. 5.
 Pyroxylene composition. R. H. Van Schaack, jr. 1,734,657; Nov. 5.
 Radiator. A. L. Swank. 1,734,923; Nov. 5.
 Radiator attachment. G. M. Sacerdote. 1,734,532; Nov. 5.
 Radiator hood. W. S. Elters. 1,734,568; Nov. 5.
 Radiator tube and making the same. N. Kramer. 1,734,136; Nov. 5.
 Radiator wall shield. H. G. Sweltzer. 1,734,924; Nov. 5.
 Radio apparatus. R. H. Reynolds. 1,734,146; Nov. 5.
 Radline cabinet. F. C. Burton. Des. 79,787; Nov. 5.
 Radio cabinet and clock, Combined. E. Granberg. Des. 79,802; Nov. 5.
 Radio dial control. H. A. Ziola. 1,734,068; Nov. 5.
 Radio logging and indicating device. D. Schwartz. 1,734,694; Nov. 5.
 Radio receiving apparatus. H. D. Bartlett. 1,734,553; Nov. 5.
 Radio, See—
 Radio receiving system. J. R. Carson. 1,734,112; Nov. 5.
 Rail-bearer structure for high-speed suspended railways. F. Kruckenberg and C. Steinfeld. 1,734,865; Nov. 5.
 Rake and hoe, Combined. A. F. Knott. 1,734,861; Nov. 5.

Ram-box cap, Two-piece. C. E. Harrison. 1,734,854; Nov. 5.
 Range construction. C. Herwig, jr., and W. J. Spielman. 1,734,674; Nov. 5.
 Razor blades, Making narrow-gauge. M. B. Behrman. 1,734,554; Nov. 5.
 Razor, Safety. S. C. Hope. 1,734,521; Nov. 5.
 Razor, Safety. J. Muros. 1,734,394; Nov. 5.
 Receptacle, Match. M. C. Miller and F. L. Jenckes. 1,734,224; Nov. 5.
 Records, Making master. W. W. McLaren. 1,734,139; Nov. 5.
 Refractory product and making the same. I. Harter and A. M. Kohler. 1,734,726; Nov. 5.
 Refrigerant. J. G. Tandberg. 1,734,278; Nov. 5.
 Refrigerating coil. J. T. Hamilton. 1,734,127; Nov. 5.
 Refrigerating systems, Control mechanism for. A. C. Schickler. 1,734,349; Nov. 5.
 Refrigeration apparatus. C. Warner and E. L. Horlacher. 1,734,550; Nov. 5.
 Refrigerator. F. J. Cornell. 1,734,366; Nov. 5.
 Refrigerator. J. E. Sapp. 1,734,404; Nov. 5.
 Refrigerator construction. C. L. Mitchell. 1,734,771; Nov. 5.
 Registering mechanism. A. F. Shore. 1,734,183; Nov. 5.
 Regulator. See—
 Window regulator.
 Relay, Selective ground-detecting. S. Norberg. 1,734,874; Nov. 5.
 Relay system, Synchronizing. P. Thomas. 1,734,239; Nov. 5.
 Reproducer, Electric phonograph. A. A. Thomas. 1,734,542; Nov. 5.
 Retort. I. B. Newbery. 1,734,774; Nov. 5.
 Reverberatory furnace, Ring-flow. H. G. Lykken. 1,734,387; Nov. 5.
 Rifles, Auxiliary magazine for automatic. W. R. Framp-ton and W. R. Reed. 1,734,852; Nov. 5.
 Rim-stretching device for eyeglass and spectacle frames. J. W. Welsh. 1,734,411; Nov. 5.
 Ring. See—
 Piston ring. Traveling ring.
 Roasting furnace, Mechanical. G. Balz. 1,734,552; Nov. 5.
 Rod. See—
 Connecting rod.
 Roller bit. C. H. M. Bull. 1,734,760; Nov. 5.
 Roll-paper retainer. W. D. White. 1,734,317; Nov. 5.
 Rotary engine. J. D. Hoyt. 1,734,433; Nov. 5.
 Rotary with power-measuring means. E. E. Greve. 1,734,482; Nov. 5.
 Sanitary napkin. D. Marinsky. 1,734,499; Nov. 5.
 Sash construction, Window. G. Thomas. 1,734,836; Nov. 5.
 Sash, Detachable. C. L. Morgan. 1,734,801; Nov. 5.
 Saw frame. J. J. Johnston. 1,734,212; Nov. 5.
 Saw, Sizing. V. A. Smith and C. Backman. 1,734,099; Nov. 5.
 Sawing machine, Power-controlled rip. J. E. Hirst. 1,734,090; Nov. 5.
 Scale. W. S. Smith. 1,734,098; Nov. 5.
 Scraper, Bar-screen. J. H. Knowles. 1,734,813; Nov. 5.
 Scraper, Revolving. B. E. Rose. 1,734,347; Nov. 5.
 Screen. See—
 Motion-picture screen.
 Screen rollers, Bar ratchet for. W. J. Duffey. 1,734,797; Nov. 5.
 Seal. W. G. Bond. 1,734,847; Nov. 5.
 Sealing means for refrigerating machines. A. S. Limpert. 1,734,497; Nov. 5.
 Searchlight and fuse tester, Combined. N. Roe. 1,734,230; Nov. 5.
 Seat mount, Resilient. C. Pallenberg. 1,734,776; Nov. 5.
 Seat structure. G. H. Hamilton and R. A. White. 1,734,576; Nov. 5.
 Self-lubricating pin. G. B. Ingersoll. 1,734,581; Nov. 5.
 Separator. See—
 Gas and liquid separator. Grain separator.
 Separator. F. A. Browne. 1,734,324; Nov. 5.
 Sewing machine. F. N. LaChapelle. 1,734,679-80; Nov. 5.
 Shaft packing. R. C. Allen. 1,734,458; Nov. 5.
 Shafts to hubs, Keying. W. G. Wilson. 1,734,188; Nov. 5.
 Sharpener, Razor. A. Mataresse and E. Centenaro. 1,734,173; Nov. 5.
 Sheet material, Method of and apparatus for assembling units of. T. J. Mell. 1,734,336; Nov. 5.
 Shield, Piston oil. H. A. Flagge. 1,734,460; Nov. 5.
 Shipping and storing case. C. E. Weaver. 1,734,314; Nov. 5.
 Shock absorber. E. Doddridge. 1,734,158; Nov. 5.
 Shock absorber. E. S. Kant. 1,734,857; Nov. 5.
 Shock absorber. J. R. Snyder. 1,734,695; Nov. 5.
 Shrinking cloth, Device for. S. L. Cluett. 1,734,897; Nov. 5.
 Shut-off device. J. C. Carner. 1,734,074; Nov. 5.
 Shuttle, Loom. A. S. Hutchins. 1,734,092; Nov. 5.
 Sign. L. C. Lotz. 1,734,736; Nov. 5.
 Sign character. G. P. Childers. Des. 79,788; Nov. 5.
 Sign, Reflecting. T. W. Brown. Des. 79,786; Nov. 5.
 Signal. See—
 Automobile-turning signal. Traffic signal.
 Direction signal.
 Signal post, Self-righting. J. and H. W. Rank. 1,734,344; Nov. 5.

Signal reception, Method of and apparatus for. W. L. Carlson. 1,734,894; Nov. 5.
 Signaling, High-frequency. B. W. Kendall. 1,734,132; Nov. 5.
 Silica, Apparatus for shaping. H. P. Hollnagel. 1,734,904; Nov. 5.
 Silk-reeling apparatus. J. A. Schellbil. 1,734,305; Nov. 5.
 Skid. G. F. Grimm. 1,734,373; Nov. 5.
 Skylight. S. Volk. 1,734,840; Nov. 5.
 Slate, Memorandum. H. G. Cress. Des. 79,789; Nov. 5.
 Slide, Stud. D. I. Reiter. 1,734,048; Nov. 5.
 Slub catcher. J. O. McKean. 1,734,590; Nov. 5.
 Smoking stand. E. E. Ekvall. Des. 79,798; Nov. 5.
 Snowplow, Locomotive. W. E. Woodard. 1,734,062; Nov. 5.
 Snubber for automobiles. R. L. Haynes. 1,734,806; Nov. 5.
 Socket, Electric-lamp. R. Eckstein. 1,734,162; Nov. 5.
 Socket, Handle. C. F. Smith. 1,734,603; Nov. 5.
 Socket mounting, Adjustable candle. D. D. Gordon. 1,734,572; Nov. 5.
 Socket, Slip. A. H. Nelson. 1,734,338; Nov. 5.
 Socket, Vacuum-tube. W. C. Stevens and G. J. Meuer. 1,734,783; Nov. 5.
 Sodium cyanide compound and producing the same. K. F. Cooper. 1,734,562; Nov. 5.
 Sound-amplifying system. H. Green. 1,734,914; Nov. 5.
 Sound, Method and apparatus for reproducing. S. M. Hull. 1,734,675; Nov. 5.
 Sound reproducer, Conical-diaphragm. C. W. Peterson. 1,734,271; Nov. 5.
 Sound-reproducing device. J. B. Hawley. 1,734,377; Nov. 5.
 Spark-plug wrench. J. E. Olson. 1,734,270; Nov. 5.
 Spectacle temple and making the same. J. W. Welsch. 1,734,240; Nov. 5.
 Speed-indicating mechanism. M. Beller and C. F. Bauer. 1,734,070; Nov. 5.
 Spigot, Barrel. J. E. Ryan and H. Shores. 1,734,232; Nov. 5.
 Spinning machines, Attachment for. A. B. Summey, B. F. Allison and T. O. Summey. 1,734,539; Nov. 5.
 Spinning or winding machines, Builder mechanism for. H. A. Leonard. 1,734,947; Nov. 5.
 Splitting device. W. H. Wineman. 1,734,934; Nov. 5.
 Spoon or similar article. H. Hillborn. Des. 79,811; Nov. 5.
 Spoon or similar article. W. T. Rolfe. Des. 79,852; Nov. 5.
 Stand or similar article, Fan. C. D. Ryder. Des. 79,853; Nov. 5.
 Spray-mist washing apparatus. J. H. Fritz. 1,734,927; Nov. 5.
 Spray-processed products, Controlling characteristics of. D. R. Lamont. 1,734,260; Nov. 5.
 Spraying device. I. R. Hippenmeyer. 1,734,580; Nov. 5.
 Spraying machine, Cam. F. Eberhart. 1,734,290; Nov. 5.
 Spring fabric. H. S. Rhoads. 1,734,147; Nov. 5.
 Stabilizer. R. E. Bied and J. H. Patterson. 1,734,194; Nov. 5.
 Stake box, Road-rail. G. H. Miller. 1,734,041; Nov. 5.
 Stanchion. H. C. Rassmann. 1,734,402; Nov. 5.
 Stand. See—
 Advertising stand.
 Stand and humidifier, Combined smoking. W. W. Bittel. Des. 79,783; Nov. 5.
 Standards, Making. E. C. Amstien. 1,734,889; Nov. 5.
 Steam-generating plants, Regulating mechanism for. J. A. Wiener. 1,734,102; Nov. 5.
 Steam generation. E. Lundgren. 1,734,683; Nov. 5.
 Steel form, Collapsible. S. E. Murray. 1,734,773; Nov. 5.
 Stemming fruits, Apparatus for. L. A. Babcock. 1,734,788; Nov. 5.
 Still, Cracking. G. L. Prichard and H. Henderson. 1,734,827; Nov. 5.
 Stirring device. C. E. Farrington. 1,734,120; Nov. 5.
 Stocking. R. Left. Des. 79,876; Nov. 5.
 Stopcock, Automatic. A. J. McEwan. 1,734,687; Nov. 5.
 Stop-motion actuating mechanism. W. M. Kidder. 1,734,492; Nov. 5.
 Storage structure. M. P. Du Plessis. 1,734,161; Nov. 5.
 Storm-simulating device. F. Schalkenbach. 1,734,446; Nov. 5.
 Stove. H. Heller. Des. 79,810; Nov. 5.
 Stove. H. Herrenbruck. 1,734,578; Nov. 5.
 Stove. R. T. Williams. 1,734,843; Nov. 5.
 Strap-attaching and end-finishing device. D. Marinsky. 1,734,039; Nov. 5.
 Stretching machines with preliminary stretching, Fabric feeder for. S. Dorfman. 1,734,100; Nov. 5.
 Stropper, Razor-blade. R. H. Ingersoll. 1,734,487; Nov. 5.
 Submarine safety device. W. Krause. 1,734,864; Nov. 5.
 Sulphonic body. C. Fischer, Jr., and W. T. Reddish. 1,734,369; Nov. 5.
 Support, Antivibration. S. Rosenzweig. 1,734,598; Nov. 5.
 Support, Brake-hanger. L. J. Brown. 1,734,712; Nov. 5.
 Support for gyroscopes and other sensitive elements. J. B. Henderson. 1,734,129; Nov. 5.
 Support for music stands, Instrument. W. Henry. 1,734,577; Nov. 5.
 Support for surface-treating machines, Work-engaging. A. A. Clarke. Re17,482; Nov. 5.
 Support, Tire. H. L. Kneen. 1,734,384; Nov. 5.
 Supporter. W. H. Frost. 1,734,371; Nov. 5.
 Supporting outlet boxes, Adjustably. G. Carlson. 1,734,893; Nov. 5.
 Swing. C. J. Baldwin. 1,734,845; Nov. 5.
 Switch. See—
 Electric switch. Thermostatic switch.
 Lighting switch. Weighing-scales switch.
 Switch. F. Ellis. 1,734,851; Nov. 5.
 Switch box. E. G. Appleton. 1,734,322; Nov. 5.
 Switch mechanism, Electric. C. A. Fox. 1,734,668; Nov. 5.
 Syringe, Hypodermic. H. K. Brown. 1,734,154; Nov. 5.
 Table. See—
 Hot-water table. Ironing table.
 Talking machine. A. C. Hansen. 1,734,087; Nov. 5.
 Tank. See—
 Electroplating tank.
 Tank cap, Gasoline. J. J. Mueller. 1,734,527; Nov. 5.
 Tape for stringers for separable fasteners. W. C. French. 1,734,165; Nov. 5.
 Taper, hobs, Apparatus for relieving. E. C. Head. 1,734,254; Nov. 5.
 Telegraphy and telephony, Arrangement for wireless. W. Moser. 1,734,772; Nov. 5.
 Telephone system. L. J. Stevenson. 1,734,696; Nov. 5.
 Telephone system. B. A. Wallace. 1,734,355; Nov. 5.
 Telephone system, Automatic. H. M. Friendly. 1,734,083; Nov. 5.
 Telephone repeater circuits. A. B. Clark and G. Crissan. 1,734,113; Nov. 5.
 Telephone set, Universal. I. W. Green and A. H. Inglis. 1,734,124; Nov. 5.
 Telephone system, Measured-service. A. Horn. 1,734,729; Nov. 5.
 Telephone system, Measured-service. J. Wicks. 1,734,357; Nov. 5.
 Telescope construction. R. S. Blair. 1,734,284; Nov. 5.
 Telescoping arm clamp. D. C. Klausmeyer. 1,734,523; Nov. 5.
 Temperature-stabilized shaft for turbines and making the same. S. H. Weaver. 1,734,930; Nov. 5.
 Tender. E. E. Hicken. 1,734,808; Nov. 5.
 Testing apparatus. M. L. Nelson. 1,734,948; Nov. 5.
 Testing pipe, Apparatus for. P. R. Hawthorne. 1,734,805; Nov. 5.
 Textile fabric. J. F. Newton. Des. 79,841; Nov. 5.
 Textile fabric. G. H. Perkins. Des. 79,844-5; Nov. 5.
 Textile fabric or similar article. C. Muentener. Des. 79,837-9; Nov. 5.
 Textile material and the production thereof. R. P. Foulds, J. T. Marsh, and F. C. Wood. 1,734,516; Nov. 5.
 Textiles and textile articles, Making. S. L. Cluett. 1,734,896; Nov. 5.
 Thermostatic switch. J. J. Compo. 1,734,473; Nov. 5.
 Thickener. W. S. Orr. 1,734,044; Nov. 5.
 Thrasher, Harvester. A. E. W. Johnson. 1,734,435; Nov. 5.
 Tile block and wall construction. H. L. Strand. 1,734,749; Nov. 5.
 Timepiece band. J. Streng. Des. 79,860-1; Nov. 5.
 Time recorder, Automatic oil-switch. C. E. Larrabee and L. S. Harrison. 1,734,495; Nov. 5.
 Tire alarm. V. E. Rouch. 1,734,348; Nov. 5.
 Tire, Automobile. A. E. Jennings. Des. 79,820; Nov. 5.
 Tire-building machine. G. F. Wike. 1,734,242; Nov. 5.
 Tire carcasses, Building. J. A. Strum. 1,734,835; Nov. 5.
 Tire casing, Pneumatic. G. F. Wike. 1,734,241; Nov. 5.
 Tire-vulcanizing apparatus. E. Fetter. 1,734,766; Nov. 5.
 Toaster, Electric bread. D. L. Chandler. 1,734,611; Nov. 5.
 Toe piece, Box. A. J. Ryan. 1,734,531; Nov. 5.
 Toy stiffeners, Making. E. P. Carr. 1,734,418; Nov. 5.
 Tool chuck. C. M. Cram. 1,734,614; Nov. 5.
 Tool, Fishing. J. H. Herman. 1,734,807; Nov. 5.
 Tool for grinding valve seats. F. G. Wacker and H. W. Zimmerman. 1,734,548; Nov. 5.
 Tool for keys, Stamping. G. Ringelhan. 1,734,881; Nov. 5.
 Tool, Motor-operated assembling. C. B. Strand. 1,734,406; Nov. 5.
 Tool, Tire-building. C. J. Merz. 1,734,337; Nov. 5.
 Tool, Valve. H. R. Curtis. 1,734,420; Nov. 5.
 Tooth, Artificial. C. C. Hallowell. 1,734,253; Nov. 5.
 Tooth crown, Dual. E. O. Jaques, Jr. 1,734,676; Nov. 5.
 Toothbrush. C. B. Hanover. 1,734,429; Nov. 5.
 Toothbrush, Vibratory. R. W. Wagner, H. S. Williams, and L. M. Wells. 1,734,281; Nov. 5.
 Torch, Cutting and welding. E. D. McIntosh. 1,734,589; Nov. 5.
 Towline. J. L. Blalack. 1,734,072; Nov. 5.
 Toy vehicle. A. B. Ostby. 1,734,775; Nov. 5.
 Toy windmill. J. F. Keller. 1,734,858; Nov. 5.
 Traffic signal. M. A. Castro. 1,734,481; Nov. 5.
 Traffic signal, Automatic. F. Page. 1,734,228; Nov. 5.
 Train control, Induction-type. A. G. Shaver. 1,734,601; Nov. 5.
 Train-control system. A. G. Shaver. 1,734,608; Nov. 5.
 Train-control system for curve protection, Induction. A. G. Shaver. 1,734,602; Nov. 5.
 Train-stopping and speed-controlling mechanism. F. C. Williams. 1,734,509; Nov. 5.
 Transformer, Rotary. M. Moneyron. 1,734,042; Nov. 5.
 Transmission. R. E. Keller. 1,734,491; Nov. 5.
 Transmission of energy, Electrical. L. Levy. 1,734,038; Nov. 5.
 Transmission regulation. G. T. Lorange. 1,734,219; Nov. 5.

Transmission system, Loaded. T. Shaw. 1,734,150; Nov. 5.
 Transmission unit. F. V. Donald. 1,734,718; Nov. 5.
 Transmission with repeaters, Two-way. S. B. Wright. 1,734,104; Nov. 5.
 Transportation system. W. A. Ross. 1,734,303; Nov. 5.
 Trap. See—
 Animal trap. Insect trap.
 Traveling block. C. F. Mppen and E. B. Ormsby. 1,734,047; Nov. 5.
 Treating material, Method of and apparatus for. C. Offenhauser. 1,734,824; Nov. 5.
 Treating ores containing precious metals, Cyanide process of. P. C. Schrapa. 1,734,306; Nov. 5.
 Treating sulphur. E. F. White. 1,734,066; Nov. 5.
 Treatment of malleable castings. I. R. Valentine. 1,734,928; Nov. 5.
 Trolley wires, Pull-off for. G. W. Bower. 1,734,892; Nov. 5.
 Truck, Four-wheel. J. C. Haggart, Jr. 1,734,331; Nov. 5.
 Truck, Pick-up. A. R. Pribil. 1,734,778; Nov. 5.
 Trucks, Dump body for. G. R. Haggard. 1,734,725; Nov. 5.
 Trump indicator. L. Solinger. 1,734,650; Nov. 5.
 Trunk or suitcase partition, Slidable. J. Ritter, Jr. 1,734,049; Nov. 5.
 Tube. See—
 Inner tube.
 Tubing and making same, Spiral-finned. H. W. Bundy. 1,734,111; Nov. 5.
 Turbine. O. E. Hausotte. 1,734,332; Nov. 5.
 Turbine, Elastic-fluid. C. J. Lamb. 1,734,216; Nov. 5.
 Turkish pipe, Pocket. M. Alland. 1,734,756; Nov. 5.
 Typewriter, Manual and power operated. O. A. Hokanson. 1,734,728; Nov. 5.
 Typewriters, Banking stop for. F. P. Gorin. 1,734,518; Nov. 5.
 Typewriting machine. G. G. Going. 1,734,480; Nov. 5.
 Typewriting machine. B. C. Stickney. Re17,478; Nov. 5.
 Typewriting machine. B. C. Stickney. Re17,483; Nov. 5.
 Typographical machines, Keyboard mechanism for. S. E. Sperry. 1,734,922; Nov. 5.
 Unwinding strand material, Method of and apparatus for. T. M. Yancey. 1,734,708-5; Nov. 5.
 Valve. J. H. Godfrey. 1,734,569; Nov. 5.
 Valve. O. V. Kruse. 1,734,733; Nov. 5.
 Valve-actuating mechanism. C. C. Williams. 1,734,842; Nov. 5.
 Valve actuation, Electrical. W. C. Chitty. 1,734,419; Nov. 5.
 Valve, Air-pressure. E. H. Lehr. 1,734,298; Nov. 5.
 Valve, Automatic drain. A. L. Brice. 1,734,028; Nov. 5.
 Valve, Automatic liquid-supply. O. Larsen. 1,734,586; Nov. 5.
 Valve case and producing the same. W. A. O'Bannon. Re17,481; Nov. 5.
 Valve engine, Sleeve. A. M. Niven. 1,734,395; Nov. 5.
 Valve, Float. L. C. Smith. 1,734,604; Nov. 5.
 Valve for gasoline motors, Sleeve. H. A. Recen. 1,734,345; Nov. 5.
 Valve, Gas shut-off. J. S. McIlhenny. 1,734,631; Nov. 5.
 Valve mechanism. C. R. Law. 1,734,866; Nov. 5.
 Valve, Pressure-control. C. J. Odendhal. 1,734,823; Nov. 5.
 Valve, Push. F. A. Bicknell. 1,734,791; Nov. 5.
 Vanity case. M. C. Lyddane. Des. 79,829-32; Nov. 5.
 Vanity case. D. H. Zell. Des. 79,866-75; Nov. 5.
 Vaporizer and fuelizer for internal-combustion engines. R. F. Gliddehaus, Jr. 1,734,723; Nov. 5.
 Vegetable cutter. R. A. Katzele and M. C. Christensen. 1,734,131; Nov. 5.
 Vehicle, Motor. A. Moorhouse. 1,734,266; Nov. 5.
 Vending and amusement machine, Combined. M. Wolin and N. F. Ribsam. 1,734,102; Nov. 5.
 Vending machine, Comb. S. Goldheir. 1,734,724; Nov. 5.
 Vending machines, Coin-controlled mechanism for. W. H. Averill. 1,734,191; Nov. 5.
 Ventilating and flushing apparatus for water-closets. C. J. Majauskas. 1,734,498; Nov. 5.
 Ventilating apparatus. C. H. Smith. 1,734,449; Nov. 5.
 Ventilator. See—
 Window ventilator.
 Ventilator. S. U. Barr. 1,734,759; Nov. 5.

Vine cutter. A. A. Bull. 1,734,794; Nov. 5.
 Visor or sun shield, Glare. G. H. Pearce. 1,734,086; Nov. 5.

Vulcanizing rubber and resulting products. H. B. Morse. 1,734,633-40; Nov. 5.
 Wardrobe. E. B. Green, Jr. 1,734,768; Nov. 5.

Washer. See—
 Air washer.

Washing bottles, Apparatus for. A. E. Ladewig and G. F. Soelch. 1,734,585; Nov. 5.

Water heater. H. W. Christian. 1,734,075; Nov. 5.

Water heater. D. F. Prisor. 1,734,828; Nov. 5.

Water-soluble substance containing colloidal silver chloride. O. Neubert. 1,734,269; Nov. 5.

Water supply and faucet nozzle therefor, System of predetermined constant. S. Kersten. 1,734,583; Nov. 5.

Water system, Hot. F. W. Shuell. 1,734,920; Nov. 5.

Wattless component meter. W. Bensch. 1,734,109; Nov. 5.

Wave-transmission system, Electrical. H. J. Fisher. 1,734,121; Nov. 5.

Weather strip, Metallic. F. W. and O. W. Brazell. 1,734,711; Nov. 5.

Weather stripping, Metal. W. J. Dennis. 1,734,118; Nov. 5.

Wedge, Window. J. H. Grininger. 1,734,483; Nov. 5.

Wet exhaust, Device to prevent repeated indication of. K. J. Unwin and W. H. Wakefield. 1,734,063; Nov. 5.

Weigher, Grain. A. W. Wessman. 1,734,412; Nov. 5.

Weighing device. H. M. Swartley. 1,734,751; Nov. 5.

Weighing-scales switch, Recording. A. K. Ygger. 1,734,456; Nov. 5.

Weld rod and making the same. J. M. Weed. 1,734,932; Nov. 5.

Welding, Apparatus for. T. A. Daniel. 1,734,716; Nov. 5.

Wheel. See—
 Caster wheel.

Wheel and tire, Vehicle. R. Vogel. 1,734,280; Nov. 5.

Wheel-controlling device for side-delivery rakes, Caster. E. Mowry. 1,734,393; Nov. 5.

Wheel drive, Front. A. J. Bayley. 1,734,709; Nov. 5.

Wheel slide and adjusting mechanism therefor, Grinding. A. M. Drake. 1,734,080; Nov. 5.

Wheel-truing fixture. C. L. Ott. 1,734,914; Nov. 5.

Whipstocks, Device for orientating. W. H. Gels. 1,734,033; Nov. 5.

Winder-cop former. L. Zenl. 1,734,510; Nov. 5.

Window. A. Piquerez. 1,734,530; Nov. 5.

Window fly stop. F. Speranza. 1,734,886; Nov. 5.

Window regulator. S. W. Nicholson. 1,734,225; Nov. 5.

Window regulator gear members and apparatus therefor, Forming. M. G. Hanson. 1,734,903; Nov. 5.

Window ventilator. E. J. Ney. 1,734,641; Nov. 5.

Wiper, Automatic windshield. W. F. Born. 1,734,937; Nov. 5.

Wire-block-stripping mechanism. J. C. Bittman. 1,734,360; Nov. 5.

Wood and treating wood, Fireproofed. J. R. Coolidge, 3d. 1,734,715; Nov. 5.

Wood and treating wood, Impregnating. J. R. Coolidge, 3d. 1,734,714; Nov. 5.

Wrapping machine. H. A. Sévigné and C. E. Jacobs. 1,734,351; Nov. 5.

Wrapping machine. E. L. Smith and H. J. Paynter. 1,734,921; Nov. 5.

Wrapping machine, Bread. C. O. Brownell. 1,734,362; Nov. 5.

Wrench. See—
 Pipe wrench.

Wrench. G. C. Lawson. 1,734,734; Nov. 5.

Wrench machine. J. L. Dodge. 1,734,475; Nov. 5.

Wrist-pin joint. R. F. Blingman. 1,734,244; Nov. 5.

Writing and smoking stand, Combined. B. G. Larrabee. Des. 79,822-7; Nov. 5.

Zither or similar article. J. H. Large. Des. 79,821; Nov. 5.

Zone fare system. H. J. Baur and E. H. Thompson. 1,734,283; Nov. 5.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 5, 1929.

NOTE—First number—class, second number—subclass, third number—patent number.

1— 44: 1,734,820	26— 57: 1,734,897	58— 41: 1,734,902	90— 15: 1,734,908	119— 1: 1,734,982	139— 370: 1,734,252
2— 80: 1,734,157	28— 64: 1,734,590	59— 80: 1,734,941	91— 3: 1,734,908	32: 1,734,481	379: 1,734,086
253: 1,734,422	29— 26: 1,734,787	60— 16: 1,734,625	45: 1,734,103	54: 1,734,085	384: 1,734,165
4— 28: 1,734,472	86.3: 1,734,122	61— 42: 1,734,673	51: 1,734,293	77: 1,734,390	1: 1,734,745
177: 1,734,482	89: 1,734,420	62— 42: 1,734,532	56.1: 1,734,737	149: 1,734,402	7: 1,734,463
213: 1,734,498	100: 1,734,502	45: 1,734,833	62.5: 1,734,173	18: 1,734,784	1: 1,734,563
236: 1,734,109	148: 1,734,556	61— 36: 1,734,670	67.1: 1,734,444	40: 1,734,795	9: 1,734,137
1,734,556	152: 1,734,268	62— 5: 1,734,349	70: 1,734,145	68: 1,734,433	143— 37: 1,734,887
254: 1,734,306	156.8: 1,734,541	46: 1,734,350	73: 1,734,518	149: 1,734,310	48: 1,734,099
5— 178: 1,734,218	30— 3: 1,734,517	46: 1,734,366	73: 1,734,698	155: 1,734,490	60: 1,734,212
306: 1,734,616	10: 1,734,126	95: 1,734,127	92— 45: 1,734,929	235: 1,734,656	128: 1,734,090
8— 2: 1,734,632	12: 1,734,394	96: 1,734,043	49: 1,734,670	1,734,683	309: 1,734,272
19: 1,734,455	1,734,521	106: 1,734,598	68: 1,734,297	392: 1,734,060	146— 6: 1,734,159
9— 20: 1,734,619	31— 17: 1,734,133	66— 117: 1,734,423	68: 1,734,297	449: 1,734,702	55: 1,734,788
10— 165: 1,734,319	32— 1: 1,734,396	67— 7.1: 1,734,465	2: 1,734,351	25: 1,734,872	123: 1,734,131
11— 1: 1,734,901	5: 1,734,744	68— 9: 1,734,089	7: 1,734,921	47: 1,734,286	215: 1,734,853
12— 38: 1,734,294	9: 1,734,253	10: 1,734,936	62: 1,734,742	51: 1,734,867	148— 1: 1,734,930
128.1: 1,734,203	30: 1,734,676	10: 1,734,409	30: 1,734,471	56: 1,734,489	4: 1,734,928
146: 1,734,418	33— 25: 1,734,573	17: 1,734,627	37: 1,734,780	57: 1,734,201	8: 1,734,560
8: 1,734,895	27: 1,734,613	69— 17: 1,734,628	45: 1,734,438	65: 1,734,459	1,734,561
22: 1,734,281	228: 1,734,129	21: 1,734,738	73: 1,734,825	90: 1,734,842	1,734,949
186: 1,734,429	7: 1,734,824	70— 29: 1,734,149	94: 1,734,476	122: 1,734,395	149— 17: 1,734,106
194: 1,734,873	46: 1,734,850	48: 1,734,333	49: 1,734,151	140: 1,734,802	150— 54: 1,734,540
251: 1,734,937	35— 16: 1,734,115	53: 1,734,579	73: 1,734,878	149: 1,734,918	151— 14: 1,734,461
16— 21: 1,734,363	36— 4: 1,734,478	90: 1,734,153	196.1: 1,734,408	190: 1,734,076	18: 1,734,743
39: 1,734,057	16: 1,734,846	108: 1,734,819	43: 1,734,449	191: 1,734,763	21: 1,734,445
42: 1,734,058	77: 1,734,531	41: 1,734,749	99: 1,734,641	1,734,764	22: 1,734,061
46: 1,734,326	37— 30: 1,734,662	45: 1,734,771	2: 1,734,759	196: 1,734,666	152— 8: 1,734,323
114: 1,734,511	105: 1,734,279	46: 1,734,085	12: 1,734,714	197: 1,734,181	14: 1,734,383
18— 38: 1,734,766	140: 1,734,347	52: 1,734,392	100— 41: 1,734,265	198: 1,734,292	28: 1,734,280
50: 1,734,639	177: 1,734,400	66: 1,734,358	101— 88: 1,734,399	11: 1,734,914	153— 1: 1,734,707
1,734,951	42: 1,734,575	71: 1,734,359	96: 1,734,089	23: 1,734,934	21: 1,734,881
1,734,952	72: 1,734,790	105: 1,734,364	99: 1,734,123	33: 1,734,667	1: 1,734,336
1,734,953	99: 1,734,086	126: 1,734,689	374: 1,734,067	36: 1,734,899	2: 1,734,470
53: 1,734,633	125: 1,734,804	126: 1,734,777	378: 1,734,093	58: 1,734,843	9: 1,734,337
1,734,634	135: 1,734,736	32: 1,734,837	20: 1,734,722	67: 1,734,578	10: 1,734,242
1,734,635	145: 1,734,344	51: 1,734,805	5: 1,734,567	91: 1,734,647	14: 1,734,241
1,734,636	42— 87: 1,734,852	6: 1,734,267	103— 16: 1,734,733	129: 1,734,849	42: 1,734,140
1,734,637	43— 36: 1,734,612	14: 1,734,649	89: 1,734,440	265: 1,734,450	1,734,141
1,734,638	39: 1,734,863	17: 1,734,690	126: 1,734,779	128— 218: 1,734,154	1,734,321
1,734,640	48: 1,734,346	31: 1,734,698	161: 1,734,600	239: 1,734,426	44: 1,734,209
19— 3: 1,734,305	61: 1,734,855	39: 1,734,249	163: 1,734,721	290: 1,734,464	45: 1,734,943
36: 1,734,592	76: 1,734,063	56: 1,734,061	214: 1,734,155	291: 1,734,499	50: 1,734,776
56: 1,734,593	84: 1,734,876	57: 1,734,375	52: 1,734,078	1: 1,734,863	156: 1,734,179
83: 1,734,046	107: 1,734,818	58: 1,734,406	93: 1,734,865	5: 1,734,898	1: 1,734,180
162: 1,734,302	46— 14: 1,734,858	97: 1,734,441	82: 1,734,097	12: 1,734,134	171: 1,734,576
23: 1,734,755	48— 94: 1,734,648	108: 1,734,085	156: 1,734,175	16: 1,734,168	182: 1,734,761
49: 1,734,580	180: 1,734,728	108: 1,734,244	159: 1,734,303	27: 1,734,171	194: 1,734,105
1,734,586	3: 1,734,260	1,734,460	175: 1,734,508	16.1: 1,734,128	1,734,144
52.3: 1,734,301	14: 1,734,379	109: 1,734,055	231: 1,734,808	37: 1,734,658	196: 1,734,340
69: 1,734,118	78.1: 1,734,904	121: 1,734,547	410: 1,734,247	10: 1,734,815	10: 1,734,800
71: 1,734,415	82.1: 1,734,426	75— 185: 1,734,306	100— 9: 1,734,595	12: 1,734,756	14: 1,734,710
91: 1,734,820	8: 1,734,308	76— 101: 1,734,558	107— 8: 1,734,786	20: 1,734,620	1,734,886
1: 1,734,176	35: 1,734,823	104: 1,734,554	108— 16: 1,734,765	83: 1,734,859	25: 1,734,769
20: 1,734,174	31: 1,734,080	77— 27: 1,734,528	109— 28: 1,734,840	1: 1,734,860	35: 1,734,797
26: 1,734,177	80: 1,734,494	79— 16: 1,734,266	110— 32: 1,734,869	8: 1,734,437	44: 1,734,381
68: 1,734,316	1,734,524	80— 6: 1,734,908	175: 1,734,545	26: 1,734,798	11: 1,734,448
79: 1,734,313	170: R. 17,482	8: 1,734,752	10: 1,734,267	39: 1,734,130	27.4: 1,734,589
96: 1,734,300	197: 1,734,548	56: 1,734,793	47: 1,734,679	1,734,413	28: 1,734,096
136: 1,734,786	218: 1,734,487	81— 3.5: 1,734,411	112— 10: 1,734,267	79: 1,734,657	159— 3: 1,734,289
3: 1,734,307	225: 1,734,785	54: 1,734,475	177: 1,734,822	15: 1,734,170	48: 1,734,260
7: 1,734,559	233: R. 17,477	55: 1,734,270	113— 35: 1,734,136	123: 1,734,457	39: 1,734,643
50: 1,734,196	240: 1,734,439	72: 1,734,439	110: 1,734,443	136— 21: 1,734,509	61: 1,734,848
84: 1,734,562	241: 1,734,427	101: 1,734,734	118: 1,734,111	1,734,570	62: 1,734,385
95: 1,734,200	5: 1,734,138	109: 1,734,234	16.6: 1,734,864	1,734,571	10: 1,734,040
95: 1,734,285	6: 1,734,328	19: 1,734,254	17: 1,734,910	68: 1,734,586	13: 1,734,884
146: 1,734,285	8: 1,734,731	82— 11: 1,734,661	114— 18: 1,734,119	70: 1,734,593	167— 19: 1,734,646
184: 1,734,699	15: 1,734,156	83— 34: 1,734,607	115— 9: 1,734,341	1,734,920	22: 1,734,519
202: 1,734,084	24: 1,734,801	84— 42: 1,734,717	116— 34: 1,734,275	104: 1,734,762	37: 1,734,682
227: 1,734,066	36: 1,734,196	96: 1,734,770	39: 1,734,094	111: 1,734,506	15: 1,734,164
85: 1,734,663	55: 1,734,414	379: 1,734,799	41: 1,734,431	139: 1,734,257	19: 1,734,199
123: 1,734,610	10: 1,734,875	32: 1,734,184	57: 1,734,070	1,734,258	95: 1,734,217
201: 1,734,526	64: 1,734,479	87— 6: 1,734,369	67: 1,734,298	153: 1,734,687	97: 1,734,599
205: 1,734,405	83: 1,734,397	8: 1,734,584	129: 1,734,183	9: 1,734,582	118: 1,734,917
1,734,434	18: 1,734,391	12: 1,734,060	130: 1,734,694	50: 1,734,942	1: 1,734,239
1,734,750	26: 1,734,713	24: 1,734,467	135: 1,734,496	55: 1,734,513	200: 1,734,350
207: 1,734,479	33: 1,734,604	32: 1,734,284	42: 1,734,704	124: 1,734,091	264: 1,734,110
261: 1,734,626	122: 1,734,435	52: 1,734,240	43: 1,734,708	215: 1,734,092	1,734,229
265: 1,734,089	192: 1,734,401	27: 1,734,152	117— 42: 1,734,704	230: 1,734,063	309: 1,734,109
84: 1,734,741	276: 1,734,366	36: 1,734,720	43: 1,734,705	275: 1,734,062	335: 1,734,811
118: 1,734,041	322: 1,734,363			286: 1,734,525	327: 1,734,926
131.6: 1,734,773					
135: 1,734,885					
26— 54: 1,734,180					
1,734,896					

CLASSIFICATION OF PATENTS

172—	179: 1,734,919	183—	102: 1,734,324	206—	44: 1,734,621	226—	84: 1,734,630	254—	102: 1,734,831	273—	148: 1,734,650
	238: 1,734,042	184—	105: 1,734,288		46: 1,734,551		88: 1,734,529		158: 1,734,833	274—	2: 1,734,172
	239: 1,734,198	185—	29: 1,734,829		50: 1,734,116		103: 1,734,166		177: 1,734,832		46: 1,734,139
	1,734,419	188—	4: 1,734,059		1,734,117		128: 1,734,844		178: 1,734,546	277—	60: 1,734,028
	274: 1,734,907		6: 1,734,882		60: 1,734,314	229—	1,734,477	255—	192: 1,734,047	278—	8: 1,734,436
173—	28: 1,734,597		45: 1,734,792		79: 1,734,032		29: 1,734,424		1: 1,734,033	279—	99: 1,734,614
	259: 1,734,145		75: 1,734,754	208—	42: 1,734,775		68: 1,734,451		11: 1,734,817	280—	33: 1,734,072
	264: 1,734,700		77: 1,734,535	209—	95: 1,734,261		1,734,642		35: 1,734,482		53: 1,734,778
	269: 1,734,432		79.5: 1,734,935	210—	55: 1,734,044	230—	101: 1,734,135		61: 1,734,469	285—	124: 1,734,757
	313: 1,734,537		88: 1,734,158		155: 1,734,841	232—	4: 1,734,617		71: 1,734,691	286—	7: 1,734,691
	328: 1,734,783		140: 1,734,403		176: 1,734,813		47: 1,734,533	257—	25: 1,734,923		9: 1,734,458
	330: 1,734,187		195: 1,734,839		184: 1,734,325	234—	36: 1,734,495		36: 1,734,615		11: 1,734,497
	334: 1,734,073		209: 1,734,088		200: 1,734,652	235—	32: 1,734,283		43: R. 17,480	287—	52: 1,734,188
	346: 1,734,565		1,734,712		203: 1,734,197		60: 1,734,538		224: 1,734,588	290—	17: 1,734,931
	366: 1,734,167		236: 1,734,753	211—	55: 1,734,618	236—	44: 1,734,163		243: 1,734,262		55: 1,734,245
	367: 1,734,605	189—	36: 1,734,701		86: 1,734,532		45: 1,734,210	259—	245: 1,734,274	291—	20: 1,734,277
174—	89: 1,734,084		82: 1,734,660		113: 1,734,237	237—	2: 1,734,334		130: 1,734,747		23: 1,734,276
	177: 1,734,505	190—	51: 1,734,049		157: 1,734,782		79: 1,734,568		135: 1,734,120	292—	173: 1,734,708
175—	21: 1,734,193	191—	40: 1,734,892		141: 1,734,330		1,734,924		143: 1,734,120		247: 1,734,555
	30: 1,734,206	192—	0.01: 1,734,037	214—	18: 1,734,814	238—	228: 1,734,036		148: 1,734,354		281: 1,734,655
	1,734,235		68: 1,734,101		41: 1,734,686	240—	41: 1,734,834	260—	9: 1,734,289		345: 1,734,483
	41.5: 1,734,178		1,734,767		65: 1,734,100		48.6: 1,734,081		42: 1,734,789	293—	56: 1,734,488
	115: 1,734,299		105: 1,734,143	215—	1: 1,734,528		52: 1,734,572		61: 1,734,442		100: 1,734,291
	183: 1,734,230		124: 1,734,087		38: 1,734,847		62: 1,734,243		96: 1,734,246		108: 1,734,029
	1,734,342		129: 1,734,732		46: 1,734,204		78: 1,734,056		100: 1,734,291		110: 1,734,259
	294: 1,734,557	193—	41: 1,734,373		65: 1,734,447	241—	1: 1,734,371		172: 1,734,329	261—	79: 1,734,677
	363: 1,734,915	194—	2: 1,734,102		87: 1,734,372	242—	34: 1,734,510		79: 1,734,677		82: 1,734,629
176—	36: 1,734,900		8: 1,734,838	219—	100: 1,734,361		36: 1,734,492		117: 1,734,862		117: 1,734,862
	129: 1,734,809		63: 1,734,739		4: 1,734,716		43.5: 1,734,539		20: 1,734,888	262—	20: 1,734,286
	311: 1,734,348		73: 1,734,724		8: 1,734,947		55: 1,734,142		1,734,938		1,734,938
	329: 1,734,512		83: 1,734,740		11: 1,734,913		68: R. 17,479		1,734,939		1,734,940
	351: 1,734,155		88: 1,734,191		37: 1,734,382		79: 1,734,360		1,734,946		1,734,946
	360: 1,734,781		88: 1,734,191		38: 1,734,609	244—	2: 1,734,353		1,734,946		1,734,946
178—	2: 1,734,231	196—	106: 1,734,827		39: 1,734,075		12: 1,734,812		1,734,946		1,734,946
	44: 1,734,103		116: 1,734,079		40: 1,734,335		12: 1,734,114		1,734,946		1,734,946
	1,734,121		139: 1,734,880		1,734,828		15: 1,734,263		1,734,946		1,734,946
	1,734,123	197—	17: 1,734,728		20: 1,734,352		18: 1,734,251		1,734,946		1,734,946
	1,734,219		25: 1,734,480		24: 1,734,563		22: 1,734,493		1,734,946		1,734,946
	45: 1,734,150		63: 1,734,518		25: 1,734,343		26: 1,734,147		1,734,946		1,734,946
	1,734,207		126: R. 17,478		26: 1,734,622	245—	5: 1,734,147		1,734,946		1,734,946
179—	1: 1,734,944		R. 17,483		1,734,623	246—	48: 1,734,509		1,734,946		1,734,946
	6.3: 1,734,799		133: 1,734,374		30: 1,734,527		63: 1,734,602		1,734,946		1,734,946
	9: 1,734,357		1,734,574		43: 1,734,877		1,734,603		1,734,946		1,734,946
	18: 1,734,083	199—	25: 1,734,922		44: 1,734,560	247—	1: 1,734,594		1,734,946		1,734,946
	41: 1,734,355	200—	11: 1,734,226		49: 1,734,378		16: 1,734,543		1,734,946		1,734,946
	42: 1,734,686		1,734,227		50: 1,734,484		21: 1,734,322		1,734,946		1,734,946
	100: 1,734,124		15: 1,734,912		53: 1,734,730		22: 1,734,363		1,734,946		1,734,946
	1,734,318		48: 1,734,668		54: 1,734,295		25: 1,734,202		1,734,946		1,734,946
	1,734,454		50: 1,734,916		55: 1,734,236		15: 1,734,215		1,734,946		1,734,946
	1,734,542		56: 1,734,189		64: 1,734,189		66: 1,734,052		1,734,946		1,734,946
	1,734,675		81: 1,734,205		67: 1,734,052		30: 1,734,315		1,734,946		1,734,946
	1,734,777		1,734,233		27: 1,734,232	221—	47.3: 1,734,368		1,734,946		1,734,946
	1,734,777		96: 1,734,851		60: 1,734,367		60: 1,734,367		1,734,946		1,734,946
	1,734,777		106: 1,734,190		61: 1,734,564		61: 1,734,564		1,734,946		1,734,946
	1,734,777		111: 1,734,692		62: 1,734,821		62: 1,734,821		1,734,946		1,734,946
	1,734,777		113: 1,734,162		67: 1,734,388		67: 1,734,388		1,734,946		1,734,946
	1,734,777		132: 1,734,211		73.5: 1,734,514		73.5: 1,734,514		1,734,946		1,734,946
	1,734,777		138: 1,734,473		97: 1,734,671		97: 1,734,671		1,734,946		1,734,946
	1,734,777		142: 1,734,071		100: 1,734,421		100: 1,734,421		1,734,946		1,734,946
	1,734,777		150: 1,734,925		109: 1,734,378		109: 1,734,378		1,734,946		1,734,946
	1,734,777		153: 1,734,452		113: 1,734,416		113: 1,734,416		1,734,946		1,734,946
	1,734,777		159: 1,734,678		118: 1,734,474		118: 1,734,474		1,734,946		1,734,946
	1,734,777		169: 1,734,309		121: R. 17,481		121: R. 17,481		1,734,946		1,734,946
	1,734,777		201—		122: 1,734,474		122: 1,734,474		1,734,946		1,734,946
	1,734,777		76: 1,734,309		125: 1,734,791		125: 1,734,791		1,734,946		1,734,946
	1,734,777		104: 1,734,774		126: 1,734,107		126: 1,734,107		1,734,946		1,734,946
	1,734,777		204—		127: 1,734,107		127: 1,734,107		1,734,946		1,734,946
	1,734,777		4: 1,734,909		128: 1,734,107		128: 1,734,107		1,734,946		1,734,946
	1,734,777		8: 1,734,587		129: 1,734,107		129: 1,734,107		1,734,946		1,734,946
	1,734,777		33.5: 1,734,224		130: 1,734,107		130: 1,734,107		1,734,946		1,734,946
	1,734,777		40: 1,734,644		131: 1,734,107		131: 1,734,107		1,734,946		1,734,946
	1,734,777				132: 1,734,107		132: 1,734,107		1,734,946		1,734,946
	1,734,777				133: 1,734,107		133: 1,734,107		1,734,946		1,734,946
	1,734,777				134: 1,734,107		134: 1,734,107		1,734,946		1,734,946
	1,734,777				135: 1,734,107		135: 1,734,107		1,734,946		1,734,946
	1,734,777				136: 1,734,107		136: 1,734,107		1,734,946		1,734,946
	1,734,777				137: 1,734,107		137: 1,734,107		1,734,946		1,734,946
	1,734,777				138: 1,734,107		138: 1,734,107		1,734,946		1,734,946
	1,734,777				139: 1,734,107		139: 1,734,107		1,734,946		1,734,946
	1,734,777				140: 1,734,107		140: 1,734,107		1,734,946		1,734,946
	1,734,777				141: 1,734,107		141: 1,734,107		1,734,946		1,734,946
	1,734,777				142: 1,734,107		142: 1,734,107		1,734,946		1,734,946
	1,734,777				143: 1,734,107		143: 1,734,107		1,734,946		1,734,946
	1,734,777				144: 1,734,107		144: 1,734,107		1,734,946		1,734,946
	1,734,777				145: 1,734,107		145: 1,734,107		1,734,946		1,734,946
	1,734,777				146: 1,734,107		146: 1,734,107		1,734,946		1,734,946
	1,734,777				147: 1,734,107		147: 1,734,107		1,734,946		1,734,946
	1,734,777				148: 1,734,107		148: 1,734,107		1,734,946		1,734,946
	1,734,777				149: 1,734,107		149: 1,734,107		1,734,946		1,734,946
	1,734,777				150: 1,734,107		150: 1,734,107		1,734,946		1,734,946

U. S. GOVERNMENT PRINTING OFFICE: 1929

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

- Abrams, Samuel L., New York, N. Y. Hosiery. 263,828; Nov. 12; Serial No. 286,969; published Sept. 3, 1929. Class 39.
- Aeronautical World Publishing Company, Los Angeles, Calif. Periodical. 263,888; Nov. 12; Serial No. 272,244; published Aug. 27, 1929. Class 38.
- Agatine Shoe-Hook and Eyelet Company, The, Newark, N. J. Shoe-lacing hooks and studs. 75,888; renewed Nov. 23, 1929.
- Alhambra Paper Manufacturing Company, The, Richmond, Va. Blotting paper. 77,115; renewed Mar. 8, 1930.
- Alco-Zander Company, Philadelphia, Pa. Men's and young men's suits, overcoats, and topcoats. 263,685; Nov. 12; Serial No. 286,146; published Aug. 27,

Cerecedo Hnos. & Co. Sucrs., San Juan, P. R. Medicinal preparation. 263,931; Nov. 12; Serial No. 286,156; published Aug. 20, 1929. Class 6.

Chappel Bros., Inc., Rockford, Ill. Horse-meat product. 263,878; Nov. 12; Serial No. 263,258; published Aug. 27, 1929. Class 46.

Chemical Products Company, Wichita, Kans. Acid-proof, gasoline-resistant, rust-inhibitive paint for metals. 264,014; Nov. 12; Serial No. 280,892; published Sept. 3, 1929. Class 16.

Chippewa Falls Specialties Company, Chippewa Falls, Wis. Waterproofing material. 263,928; Nov. 12; Serial No. 282,223; published Aug. 20, 1929. Class 4.

Church & Dwight Company, assignor to Church & Dwight Co., Inc., New York, N. Y. Baking soda, saleratus, and baking-powder. 76,711; renewed Feb. 8, 1930.

Clark, Albert J., doing business as Clark Dollar Stores, Los Angeles, Calif., and New York, N. Y. Women's and children's hosiery. 263,991; Nov. 12; Serial No. 284,048; published Aug. 27, 1929. Class 39.

Coast Insulating Company, Torrance and Los Angeles, Calif. Mineral wool. 263,783; Nov. 12; Serial No. 284,442; published Aug. 13, 1929. Class 12.

Co-Ed Dressmakers, Inc. (See Dallet and Weyl.)

Colgate-Palmolive-Peet Company, Chicago, Ill. Soap. 263,830; Nov. 12; Serial No. 282,917; published Aug. 27, 1929. Class 4.

Colgate-Palmolive-Peet Company, Chicago, Ill. Soap. 263,860; Nov. 12; Serial No. 282,916; published Aug. 27, 1929. Class 4.

Columbia Carbon Company, The, Dayton, Ohio. Inked ribbons and carbon paper. 263,985; Nov. 12; Serial No. 287,117; published Sept. 3, 1929. Class 11.

Columbia River Packers Association, Astoria, assignor, by mesne assignments, to Equitable Trust Company, Portland, Ore. Canned salmon. 76,680; renewed Feb. 8, 1930.

Columbia River Packers Association, Astoria, assignor to Equitable Trust Company, Portland, Ore. Canned salmon. 76,783; renewed Feb. 15, 1930.

Common Sense Mfg. Co. (See Shield, Henry.)

Connell, John J., Boston, Mass. Boy's outer suits. 75,721-23; renewed Nov. 9, 1929.

Continental Can Co., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal cans. 76,433; renewed Jan. 18, 1930.

Cornstalk Products Company, Inc., Danville, Ill. Publications. 263,915; Nov. 12; Serial No. 284,523; published Aug. 20, 1929. Class 38.

Cowles Detergent Company, The, Cleveland, Ohio. Soluble chemical compounds. 263,834; Nov. 12; Serial No. 286,553; published Aug. 20, 1929. Class 4.

Crane, Z. & W. M., Inc., Dalton, Mass. Writing paper and envelopes, and particularly paperettes. 263,801; Nov. 12; Serial No. 286,534; published Aug. 27, 1929. Class 37.

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Crawbuck, George A., Brooklyn, N. Y. Fresh-cut flowers. 263,902; Nov. 12; Serial No. 285,071; published Aug. 6, 1929. Class 1.

Cream of Wheat Company, assignor to The Cream of Wheat Corporation, Minneapolis, Minn. Breakfast foods. 34,067; renewed Jan. 23, 1930.

Crown Wholesale Grocery Co. Inc., Brooklyn, N. Y. Canned fruits, vegetables, fish, etc. 263,819; Nov. 12; Serial No. 280,761; published Aug. 27, 1929. Class 46.

Cruible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Laminated steel plates, bars, and shapes. 76,414; renewed Jan. 11, 1930.

Crystal City Fuel & Oil Co., Incorporated, Crystal City, Mo. Coal. 263,894; Nov. 12; Serial No. 286,159; published Aug. 27, 1929. Class 1.

Cudlipp, Edwin, assignor to The Purdue Frederick Company, New York, N. Y. Dental creams. 76,965; renewed Mar. 1, 1930.

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Dan River Power & Manfg. Co., to Riverside & Dan River Cotton Mills, Inc., Danville, Va., successor. Cotton sheetings, bleached and brown. 74,529-9; renewed July 20, 1929.

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Deja, Inc., New York, N. Y. Articles of clothing for women. 263,695; Nov. 12; Serial No. 285,554; published Aug. 27, 1929. Class 39.

De Luxe Products Manufacturing Co., Emeryville, Calif. Ash receptacles and cigarette extinguishers. 263,827; Nov. 12; Serial No. 285,965; published Sept. 3, 1929. Class 8.

Diamond Wax Company, Jamesburg, N. J. Wax polishing compound. 263,918; Nov. 12; Serial No. 284,169; published Sept. 3, 1929. Class 16.

Display Publishing Co., The, Cincinnati, Ohio. Title of monthly journal. 263,759; Nov. 12; Serial No. 282,597; published Aug. 27, 1929. Class 38.

Dixie Coal Company, Paris, Ark. Coal. 263,781; Nov. 12; Serial No. 284,902; published Aug. 20, 1929. Class 1.

Doherty Stone Drill Company, Los Angeles, Calif. Well-drilling machinery and tools, steam engines, etc. 264,018-20; Nov. 12; Serial Nos. 284,871-3; published Sept. 3, 1929. Class 23.

Drane, Hugh A., doing business as Hugh Drane Ice Company, Athens, Tex. Manufactured ice. 263,792; Nov. 12; Serial No. 282,980; published Aug. 13, 1929. Class 1.

Driver-Harris Wire Co., by change of name to Driver-Harris Company, Harrison, N. J. Uninsulated metallic wire and metallic ribbons. 77,049-50; renewed Mar. 8, 1930.

Dunham, James H., & Co., New York, N. Y. Dresses and coats. 263,994; Nov. 12; Serial No. 284,607; published Sept. 3, 1929. Class 39.

Duplan Silk Corporation, New York, N. Y. Rayon and silk piece goods and mixtures thereof. 263,846; Nov. 12; Serial No. 287,285; published Sept. 3, 1929. Class 42.

Durable Products Company, The, Cleveland, Ohio. Calking cement. 263,797; Nov. 12; Serial No. 278,094; published Aug. 20, 1929. Class 12.

Durkee, E. W., Last Co., Lynn, Mass. Boots, shoes, and slippers. 263,990; Nov. 12; Serial No. 283,099; published Aug. 13, 1929. Class 39.

Eagle Clothes, New York, N. Y. Men's clothing, overcoats, raincoats, and suits. 263,955; Nov. 12; Serial No. 287,286; published Aug. 27, 1929. Class 39.

Eastman Kodak Company, Rochester, N. Y. Photographic film. 263,708; Nov. 12; Serial No. 287,573; published Sept. 3, 1929. Class 26.

Eastman Kodak Company, Rochester, N. Y. Photographic film. 263,709-15; Nov. 12; Serial Nos. 287,565-71; published Sept. 3, 1929. Class 26.

Eastman Kodak Company, Rochester, N. Y. Photographic film. 263,716; Nov. 12; Serial No. 287,563; published Sept. 3, 1929. Class 26.

Eastman Kodak Company, Rochester, N. Y. Photographic film. 263,728; Nov. 12; Serial No. 287,564; published Sept. 3, 1929. Class 26.

Eastman Kodak Company, Rochester, N. Y. Photographic film. 263,974; Nov. 12; Serial No. 287,572; published Sept. 3, 1929. Class 26.

Ebbesen & Company, Copenhagen, Denmark. Packing compound. 263,798; Nov. 12; Serial No. 277,004; published Aug. 13, 1929. Class 12.

Eberhard Manufacturing Company, The, Cleveland, Ohio. Certain harness hardware. 77,205-9; renewed Mar. 22, 1930.

Elec Paint Products Inc., New York, N. Y. Paint, plaster boards, primers, etc. 263,755; Nov. 12; Serial No. 279,953; published Sept. 3, 1929. Class 10.

Elgin Softener Corporation, Elgin, Ill. Water-softening systems and parts thereof. 264,017; Nov. 12; Serial No. 283,102; published Sept. 3, 1929. Class 23.

Elkind, Samuel, doing business as The Empire Shoe Company, New York, N. Y. Boots and shoes. 263,870; Nov. 12; Serial No. 283,646; published Sept. 3, 1929. Class 39.

Elmore, R. A., doing business as E. A. Fulcher Distilling Company, Inc., Richmond, Va. Rye and Bourbon whiskeys. 263,788; Nov. 12; Serial No. 285,055; published Sept. 3, 1929. Class 49.

Elly & Walker Dry Goods Company, St. Louis, Mo. Overalls. 76,228; renewed Dec. 28, 1929.

Empire Shoe Company, The. (See Elkind, Samuel.)

Endicott Johnson Corporation, Endicott, N. Y. Boots and shoes. 263,697; Nov. 12; Serial No. 285,501; published Aug. 27, 1929. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Work shoes. 263,778; Nov. 12; Serial No. 284,394; published Aug. 13, 1929. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Boots and shoes. 263,932; Nov. 12; Serial No. 285,500; published Aug. 27, 1929. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Leather shoes. 263,934; Nov. 12; Serial No. 285,415; published Aug. 13, 1929. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Shoes. 264,026; Nov. 12; Serial No. 284,393; published Aug. 13, 1929. Class 39.

Endorsograph Company, Inc., The, Philadelphia, Pa. Check-endorsing machines. 263,968; Nov. 12; Serial No. 286,686; published Sept. 3, 1929. Class 23.

Energine Company, The, Cleveland, Ohio. Liquid dry cleaners. 263,838; Nov. 12; Serial No. 286,235; published Aug. 20, 1929. Class 4.

Energine Company, The, Cleveland, Ohio. Liquid dry cleaners. 263,839; Nov. 12; Serial No. 286,232; published Aug. 27, 1929. Class 4.

Equitable Trust Company. (See Columbia River Packers Association, assignor.)

Equity Specialty Shop. (See Salamy, Joseph.)

European Herb Laboratory, The. (See Bublén, S. S.)

Eveready Malt Co., The, Seattle, Wash. Malt syrups. 263,910; Nov. 12; Serial No. 273,682; published Aug. 27, 1929. Class 46.

Everitt & Graf, Inc., Milwaukee, Wis. Ladies' hats. 263,935; Nov. 12; Serial No. 285,348; published Aug. 13, 1929. Class 39.

Factor, Max, & Co., Los Angeles, Calif. Preparation for creating a sun-tanned complexion, etc. 263,770; Nov. 12; Serial No. 283,331; published Aug. 13, 1929. Class 6.

Falchney Instrument Corporation, Watertown, N. Y. Fever thermometers. 263,964; Nov. 12; Serial No. 286,107; published Sept. 3, 1929. Class 44.

Faxon & Gallagher Drug Company. (See Merrell, J. S., Drug Company, assignor.)

Feldman, David, doing business as Feldman & Sons, Baltimore, Md. Work shirts. 263,957; Nov. 12; Serial No. 287,239; published Aug. 27, 1929. Class 39.

Few, William B., Montrose, La. Wood lath. 263,782; Nov. 12; Serial No. 284,850; published Aug. 20, 1929. Class 12.

Firestone Footwear Company. (See Apsley Rubber Company.)

Firth-Sterling Steel Company, McKeesport, Pa. Alloys and metal aggregate compositions and metals. 263,980; Nov. 12; Serial No. 287,292; published Aug. 27, 1929. Class 14.

Fisher Scientific Company, Pittsburgh, Pa. Publication. 263,996; Nov. 12; Serial No. 285,023; published Aug. 20, 1929. Class 38.

Fitz-U Cap Co., St. Louis, Mo. Headwear. 263,940; Nov. 12; Serial No. 287,127; published Aug. 27, 1929. Class 39.

Florida Copy-Writing Corporation, The, Miami, Fla. Attachment for typewriters. 263,717; Nov. 12; Serial No. 287,342; published Sept. 3, 1929. Class 25.

Florida Health Resort and Recreational Center for Women, Inc., Boston and Pepperell, Mass.; Maitland, Fla.; and North Conway, N. H. Jelly, candied fruits, marmalade, etc. 264,022; Nov. 12; Serial No. 279,034; published Sept. 3, 1929. Class 46.

Franklin Pottery (Inc.), Lansdale, Pa. Glazed and unglazed clay tiles. 263,790; Nov. 12; Serial No. 283,111; published Aug. 20, 1929. Class 12.

Franklin Pottery (Inc.), Lansdale, Pa. Wall and floor tiles. 263,791; Nov. 12; Serial No. 283,109; published Aug. 13, 1929. Class 12.

Franklin Simon & Co. Inc., New York, N. Y. Men's and boys' furnishings, undergarments, and clothing. 263,889; Nov. 12; Serial No. 286,108; published Sept. 3, 1929. Class 39.

Franklin Sugar Refining Company, The, Philadelphia, Pa. Granulated sugar. 34,114-6; renewed Jan. 30, 1930.

Friedman, H., Hat Co. Inc., New York, N. Y. Men's hats. 263,933; Nov. 12; Serial No. 285,450; published Aug. 27, 1929. Class 39.

Frost, W. A., Mystic Co., Inc., St. Paul, Minn. Preparation for destroying moths. 263,867; Nov. 12; Serial No. 268,385; published Aug. 20, 1929. Class 6.

Fulcher, E. A., Distilling Company, Inc. (See Elmore, R. A.)

Fuller, W. P., & Co., San Francisco, Calif. Paint and rubber paint. 263,965; Nov. 12; Serial No. 285,969; published Sept. 3, 1929. Class 16.

G. P. Natural Cleaning Fluid Company. (See Petrouleus, Constantine.)

Gagnon, John B., doing business as Atlaseene Medicine Co., Augusta, Me. General medicinal herb tonic. 263,893; Nov. 12; Serial No. 285,510; published Aug. 20, 1929. Class 6.

Gallor, Chester F., Inc., New York, N. Y. Product in the nature of a paint or varnish. 263,829; Nov. 12; Serial No. 285,077; published Sept. 3, 1929. Class 16.

Gary, Theo. H., Co., assignor to National Gary Corporation, New York, N. Y. Hair nets. 76,536; renewed Jan. 25, 1930.

Gawronski, Stanley, Staten Island, N. Y. Medicine for cleaning blood, laxative, chronic constipation, etc. 263,794; Nov. 12; Serial No. 284,807; published Aug. 20, 1929. Class 6.

Gawronski, Stanley, Staten Island, N. Y. Medicine for chronic rheumatism, cleaning blood, etc. 263,765; Nov. 12; Serial No. 284,806; published Aug. 20, 1929. Class 6.

Gelgy Company, Inc., New York, N. Y. Dyestuffs, lakes, and chemical products. 263,767; Nov. 12; Serial No. 284,453; published Aug. 20, 1929. Class 6.

Genack, Joseph M., Springfield, Mass. Leather shoes. 264,023; Nov. 12; Serial No. 283,862; published Aug. 27, 1929. Class 39.

General-Direktion der Österr. Tabakregie, Vienna, Austria. Cigarette paper and cigarette tubes. 263,975-9; Nov. 12; Serial Nos. 287,244-8; published Sept. 3, 1929. Class 8.

General-Direktion der Österr. Tabakregie, Vienna, Austria. Cigarette paper and cigarette tubes. 263,986; Nov. 12; Serial No. 287,243; published Sept. 3, 1929. Class 8.

Gernsback Publications, Inc., New York, N. Y. Publications. 263,706; Nov. 12; Serial No. 285,265; published Aug. 27, 1929. Class 38.

Godde, Albert, Berlin, Inc., New York, N. Y. Silk piece goods. 263,845; Nov. 12; Serial No. 287,734; published Sept. 3, 1929. Class 42.

Godde, Albert, Berlin, Inc., New York, N. Y. Silk piece goods. 263,848; Nov. 12; Serial No. 287,275; published Sept. 3, 1929. Class 42.

Goldmark, Adolph & Sons Corp., New York, N. Y. Canned sardines. 264,012; Nov. 12; Serial No. 284,732; published Sept. 3, 1929. Class 46.

Goldflex, The. (See Wilkin & Adler, Inc.)

Grean, Alexandre M., doing business as Grean Company, New York, N. Y. Hats, scarfs, and toques. 263,694; Nov. 12; Serial No. 285,816; published Aug. 13, 1929. Class 39.

Greening, N. & Sons, Limited, Warrington, England. Metals. 263,919; Nov. 12; Serial No. 283,803; published Aug. 27, 1929. Class 14.

Greenspan Bros. Co., Perth Amboy, N. J. Canned vegetables, canned fruits, canned sauerkraut, and coffee. 263,863; Nov. 12; Serial No. 258,412; published Aug. 27, 1929. Class 46.

Green Stripe Chain, Portland, Ore. Hair tonic, facial creams, and lotions. 263,768; Nov. 12; Serial No. 284,332; published Aug. 20, 1929. Class 6.

Gurney Security Paper Company, Inc., Brooklyn, N. Y. Safety paper. 263,886; Nov. 12; Serial No. 270,930; published Aug. 27, 1929. Class 37.

Guttman, Jacob, & Sons, Inc., New York, N. Y. Sports wear of knitted or woven materials. 263,992-3; Nov. 12; Serial Nos. 284,573-4; published Aug. 27, 1929. Class 39.

Ha-Ber-San Manufacturing Corporation, New York, N. Y. Shirts and pajamas. 263,740; Nov. 12; Serial No. 273,699; published Dec. 4, 1928. Class 39.

Hadjieff, Koly G., Warren, Ohio. Perfumed cigars, cigarettes, and tobacco. 263,960; Nov. 12; Serial No. 286,632; published Aug. 20, 1929. Class 17.

Hagerstown Shoe and Lacing Co., The, Hagerstown, Md. Boots and shoes. 263,868; Nov. 12; Serial No. 267,839; published Oct. 23, 1928. Class 39.

Hamilton Janice, New York, N. Y. Periodical. 263,802; Nov. 12; Serial No. 286,489; published Aug. 27, 1929. Class 38.

Hanan, Herbert W., doing business as Hanan & Son, Brooklyn, N. Y. Boots, shoes, and slippers. 263,947; Nov. 12; Serial No. 286,244; published Aug. 13, 1929. Class 39.

Hanky Beret, Inc., New York, N. Y. Berets. 263,693; Nov. 12; Serial No. 286,051; published Aug. 13, 1929. Class 39.

Happ Brothers Company, Macon, Ga. Men's trousers. 263,678; Nov. 12; Serial No. 287,659; published Sept. 3, 1929. Class 39.

Harris, J. L., Atlanta, Ga. Hand-washing powder. 264,000; Nov. 12; Serial No. 286,935; published Aug. 20, 1929. Class 4.

Harter, Isaac, Milling Company, The, Toledo and Fostoria, Ohio, to, by change of name, The Mennell Milling Company, Toledo, Ohio. Wheat flour. 76,150; renewed Dec. 21, 1929.

Hartung Bros. & Co., Jersey City, N. J. Fishing trolls and artificial casting baits. 74,174; renewed June 22, 1929.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Hawaii. Canned fruits. 263,754; Nov. 12; Serial No. 270,127; published June 4, 1929. Class 46.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Hawaii. Canned pineapple. 264,021; Nov. 12; Serial No. 278,468; published Sept. 3, 1929. Class 46.

Heller, R. C., Co., Inc., Baltimore, Md. Mattresses. 263,732; Nov. 12; Serial No. 286,917; published Sept. 3, 1929. Class 32.

Hookless Fastener Company, Meadville, Pa. Separable fasteners. 263,869; Nov. 12; Serial No. 245,433; published Sept. 6, 1927. Class 13.

Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. 263,950; Nov. 12; Serial No. 287,704; published Sept. 3, 1929. Class 39.

Holite Mfg. Co., Baltimore, Md. Rubber heels and soles for shoes. 263,945; Nov. 12; Serial No. 286,636; published Aug. 27, 1927. Class 38.

Holzappels Limited, Newcastle-on-Tyne, England, assignor, by mesne assignments, to United States Gutta Percha Paint Company, Providence, R. I. Enamel. 77,158; renewed Mar. 15, 1930.

Honey Pop Corn Products Co., Chicago, Ill. Pop corn, pop-corn balls, and pop-corn candy. 263,720; Nov. 12; Serial No. 286,774; published Sept. 3, 1929. Class 46.

Horn, W. O., & Brother, Inc., New York, N. Y. Neckties and cravats. 263,691; Nov. 12; Serial No. 285,514; published Aug. 27, 1929. Class 39.

Hornady, Jack R., Atlanta, Ga. Newspaper section. 263,703; Nov. 12; Serial No. 285,566; published Aug. 20, 1929. Class 38.

Hound & Horn, Incorporated, The, Cambridge, Mass. Magazines. 263,818; Nov. 12; Serial No. 282,781; published Aug. 27, 1929. Class 38.

Hound & Horn, Incorporated, The, Cambridge, Mass. Magazines. 263,859; Nov. 12; Serial No. 282,782; published Aug. 7, 1929. Class 38.

Howard Brush Company, New York, N. Y. Toilet brushes. 75,725-6; renewed Nov. 9, 1929.

Howards, S. B., Son & Co., New York, N. Y. Powder for cleaning brushes. 75,455; renewed Oct. 5, 1929.

Hyde Manufacturing Company, Southbridge, Mass. Knives, shears, and blades. 263,968; Nov. 12; Serial No. 286,777; published Sept. 3, 1929. Class 23.

Hygienic Products Company, The, Canton, Ohio. Cleaning powder. 263,929; Nov. 12; Serial No. 282,783; published Aug. 20, 1929. Class 4.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Threads and yarns. 263,848; Nov. 12; Serial No. 287,179; published Sept. 3, 1929. Class 43.

Illinois Iron & Bolt Company, Carpentersville, Ill. Anvils. 75,084; renewed Aug. 31, 1929.

Imperial Pictures Incorporated, New York, N. Y. Motion pictures, motion-picture films, etc. 263,737; Nov. 12; Serial No. 285,156; published Sept. 3, 1929. Class 26.

Indian Overall Company, (See Yavner, Louis.)

International Cement Corporation, New York, N. Y. Portland cement. 263,786; Nov. 12; Serial No. 284,265; published Aug. 13, 1929. Class 12.

International Products Company, New York, N. Y. Beverage. 264,028; Nov. 12; Serial No. 280,915; published May 14, 1929. Class 48.

Jelke, John E. Company, Chicago, Ill. Oleomargarin. 77,246; renewed Mar. 22, 1930.

Jenkins, Thomas C., assignor, by mesne assignments, to Jesse C. Stewart Company, Pittsburgh, Pa. Wheat flour. 76,364-5; renewed Jan. 11, 1930.

Johnson-Appleby Company, (See Spring Valley Canning Company, The, assignor.)

Kalamazoo Stationery Company, Kalamazoo, Mich. Tablet covers. 263,922; Nov. 12; Serial No. 281,300; published Aug. 27, 1929. Class 37.

Karger, Saunders, Chicago, Ill. Women's sanitary belts, sanitary aprons, sanitary step-in bloomers, etc. 263,961; Nov. 12; Serial No. 286,249; published Aug. 27, 1929. Class 44.

Katz Underwear Company, Honesdale, Pa. Pajamas. 263,959; Nov. 12; Serial No. 287,189; published Aug. 27, 1929. Class 39.

Keays, Percival H., Buffalo, N. Y. Business forms. 263,844; Nov. 12; Serial No. 285,357; published Aug. 20, 1929. Class 37.

Keystone Reptile Tanners, Inc., Philadelphia, Pa. Leather. 263,746; Nov. 12; Serial No. 276,141; published Aug. 6, 1929. Class 1.

Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Wire fence and barbed wire. 76,791; renewed Feb. 15, 1930.

Keystone Varnish Company, Brooklyn, N. Y. Enamels and varnishes. 76,718; renewed Feb. 8, 1930.

Kim Lung & Co., San Francisco, Calif. Teas. 263,954; Nov. 12; Serial No. 287,475; published Sept. 3, 1929. Class 46.

Kinney, James E., doing business as The Bookout Company, Columbus, Ohio. Devices for indicating the absence of books from their accustomed places. 263,748; Nov. 12; Serial No. 275,448; published Sept. 3, 1929. Class 23.

Kirby, Imre, New York, N. Y. Hand soap. 263,885; Nov. 12; Serial No. 274,832; published Aug. 27, 1929. Class 4.

Kirk, James S. & Company, Chicago, Ill. Laundry, toilet, and scouring soap. 76,449; renewed Jan. 18, 1930.

Klaine, Frank A., to The F. A. Klaine Co., Cincinnati, Ohio, successor. Stoves. 76,719; renewed Feb. 8, 1930.

Kline Brothers Co., New York, N. Y. Men's, young men's, and boys' cotton and flannel work shirts, work pants, overalls, etc. 263,725; Nov. 12; Serial No. 286,250; published Aug. 27, 1929. Class 39.

Klopper Bros., Cleveland, Ohio. Hosiery and underwear. 263,682; Nov. 12; Serial No. 287,477; published Sept. 3, 1929. Class 39.

Kofsky Bros. Inc., New York, N. Y. Dyed muskrat furs. 263,793; Nov. 12; Serial No. 282,189; published Aug. 20, 1929. Class 1.

Koppers Company, The, Pittsburgh, Pa. Coke. 263,927; Nov. 12; Serial No. 269,026; published Aug. 13, 1929. Class 1.

Lace Net Importing Co. Inc., New York, N. Y. Laces, nets, embroideries, and malines. 263,812; Nov. 12; Serial No. 285,977; published Sept. 3, 1929. Class 42.

La Londe & Clarke, Inc., Rochester, N. Y. Boots and shoes. 263,745; Nov. 12; Serial No. 271,898; published Aug. 27, 1929. Class 39.

Lawrence, A. C. Leather Company, Boston, Mass. Leather. 263,903-4; Nov. 12; Serial Nos. 285,419-20; published Aug. 6, 1929. Class 1.

Lawrence Portland Cement Company, Northampton, Pa. Building cement. 263,895; Nov. 12; Serial No. 286,122; published Aug. 27, 1929. Class 12.

Leesburg Citrus Growers Association, Leesburg, Fla. Fresh fruits. 263,727; Nov. 12; Serial No. 285,358; published Sept. 3, 1929. Class 46.

Leibowitz, Charles S., doing business as London Pecan Company, Hot Springs, Ark. Nut meats and candy. 264,009; Nov. 12; Serial No. 279,741; published Sept. 3, 1929. Class 46.

Leininger, William G., Knitting Company, The, Mohnton, Pa. Hosiery. 263,956; Nov. 12; Serial No. 287,257; published Aug. 27, 1929. Class 39.

Lelong, Pierre, doing business as Soieries Pehel, Paris, France. Silk fabrics. 263,811; Nov. 12; Serial No. 286,063; published Sept. 3, 1929. Class 42.

Li & Fung, doing business as Ming Hing, Canton, China. Firecrackers. 263,800; Nov. 12; Serial No. 286,830; published Sept. 3, 1929. Class 9.

Liberty Manufacturing Co., Baltimore, Md. Pajamas. 263,679; Nov. 12; Serial No. 287,483; published Sept. 3, 1929. Class 39.

Liberty Manufacturing Co., Baltimore, Md. Night robes and pajamas. 262,880; Nov. 12; Serial No. 287,482; published Sept. 3, 1929. Class 39.

Liberty Manufacturing Co., Baltimore, Md. Pajamas. 263,681; Nov. 12; Serial No. 287,481; published Sept. 3, 1929. Class 39.

Limestone Products Corporation of America, Newton, N. J. Road-surfacing material. 263,739; Nov. 12; Serial No. 270,341; published Aug. 20, 1929. Class 12.

Limestone Products Corporation of America, Newton, N. J. Poultry grits. 263,924-5; Nov. 12; Serial Nos. 270,033-4; published Aug. 20, 1929. Class 1.

Limestone Products Corporation of America, Newton, N. J. Poultry grits. 263,926; Nov. 12; Serial No. 270,031; published Aug. 20, 1929. Class 1.

Linick, Green & Reed, Inc., Chicago, Ill. Machinery and tools such as are used by jewelers, etc.; also parts, supplies, and cutlery. 263,733; Nov. 12; Serial No. 285,807; published Sept. 3, 1929. Class 23.

Liquid Veneer Corporation, Buffalo, N. Y. Cleaning and polishing liquid. 263,984; Nov. 12; Serial No. 286,785; published Sept. 3, 1929. Class 16.

London Pecan Company, (See Leibowitz, Charles S.)

Loucks, W. I. & M. A., Inc., Gloversville, N. Y. Gloves. 263,743; Nov. 12; Serial No. 275,904; published Aug. 13, 1929. Class 39.

Louviere Brothers, Union, La. Preserved fruits, syrups, and canned vegetables. 263,810; Nov. 12; Serial No. 286,125; published Aug. 27, 1929. Class 46.

Lucky Stroke Razor Blade Company, (See Shapiro, Ira J.)

Lucey Lou Shops, Incorporated, New York, N. Y. Ladies' hosiery. 263,958; Nov. 12; Serial No. 287,192; published Aug. 27, 1929. Class 39.

Ludlum Steel Company, Watervliet, N. Y. Hard metal composition, an alloy. 264,013; Nov. 12; Serial No. 280,132; published Sept. 3, 1929. Class 14.

MacKenzie, Leon R., Des Moines, Iowa. Metal and wire mesh. 263,785; Nov. 12; Serial No. 284,359; published Aug. 20, 1929. Class 12.

MacNair-Dorland Company, Inc., New York, N. Y. Magazine. 263,702; Nov. 12; Serial No. 285,581; published Aug. 20, 1929. Class 38.

Mallory Hat Company, The, Danbury, Conn. Hats, men's and boys' caps. 263,695; Nov. 12; Serial No. 285,784; published Aug. 13, 1929. Class 39.

Mansster, Harry, Bro., Chicago, Ill. Dried beef. 264,011; Nov. 12; Serial No. 284,686; published Sept. 3, 1929. Class 46.

Manhattan Shirt Co., The, New York, N. Y. Shirts. 263,758; Nov. 12; Serial No. 274,784; published Aug. 27, 1929. Class 39.

Marlow Products Co., Inc., New York, N. Y. Sandals and garters made of rubber. 263,983; Nov. 12; Serial No. 283,287; published Aug. 27, 1929. Class 39.

Marsh & Truman Lumber Company, Chicago, Ill. Publications. 263,760; Nov. 12; Serial No. 281,806; published Aug. 20, 1929. Class 38.

Mauro, Anthony J., doing business as Mauro Pipe Company, New York, N. Y. Smoking pipes. 263,963; Nov. 12; Serial No. 286,126; published Sept. 3, 1929. Class 8.

Mausser Mill Company, Treichlers, Pa. Wheat flour. 75,867; renewed Nov. 23, 1929.

McCann, F. J., Packing Co. Inc., The, Salinas, Calif. Cigarettes, cigars, and tobacco. 263,962; Nov. 12; Serial No. 286,448; published Aug. 20, 1929. Class 17.

McCreery, James & Company, New York, N. Y. Coats, hats, suits, frocks, etc. 263,989; Nov. 12; Serial No. 281,676; published Aug. 13, 1929. Class 39.

McCruden, Daniel J., Jr., doing business as Monad Paint & Varnish Co., Philadelphia, Pa. Paints, paint enamels, and varnishes. 263,757; Nov. 12; Serial No. 275,062; published Feb. 5, 1929. Class 18.

Mechanical Rubber Company, The, assignor to United States Rubber Company, New York, N. Y. Rubber water bottles and syringes. 76,048; renewed Dec. 7, 1929.

Medical Woman's Journal Publishing Co. (See Rockhill, Margaret H.)

Meinecke & Co., New York, N. Y., assignor, by mesne assignments, to Davol Rubber Company, Providence, R. I. Nursing nipples. 83,985; renewed Jan. 2, 1930.

Melville Shoe Corporation, New York, N. Y. Shoes and hosiery. 263,939; Nov. 12; Serial No. 287,086; published Aug. 27, 1929. Class 39.

Menley & James Limited, New York, N. Y. Ointments, suppositories, and pessaries, etc. 263,773; Nov. 12; Serial No. 282,933; published Aug. 20, 1929. Class 6.

Mennell Milling Company, The. (See Harter, Isaac, Milling Company, The.)

Mente & Co., Inc., New Orleans, La. Jute bag cloth. 263,884; Nov. 12; Serial No. 269,969; published Sept. 3, 1929. Class 42.

Menzel, Fred, Chicago, Ill. Hosiery. 264,004; Nov. 12; Serial No. 284,007; published Aug. 27, 1929. Class 39.

Mepharm, Geo. S. & Co., to Geo. S. Mepharm & Co., East St. Louis, Ill., successor. Dry mortar colors. 76,401; renewed Jan. 11, 1930.

Merrell, J. S., Drug Company, St. Louis, Mo., assignor to Faxon & Gallagher Drug Company, Kansas City, Mo. Liniment. 74,860; renewed Aug. 17, 1929.

Merrimack Manufacturing Company, Lowell, Mass. Textiles. 76,889; renewed Feb. 22, 1930.

Meschter, Chas. D., Inc., New York and Long Island City, N. Y. Salad dressing. 263,804; Nov. 12; Serial No. 286,373; published Aug. 27, 1929. Class 46.

Metropolitan Hygrade Clothing Mfg. Co., Inc., New York, N. Y. Leather coats, jackets, aviation helmets, etc. 263,692; Nov. 12; Serial No. 286,089; published Aug. 27, 1929. Class 39.

Mexican Amole Soap Co., Peoria, Ill., assignor to The Amole Soap Company, Tippecanoe City, Ohio. Medicines and toilet preparations. 75,253; renewed Sept. 14, 1929.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. Cleaner and polisher. 263,842; Nov. 12; Serial No. 285,583; published Aug. 20, 1929. Class 4.

Milner, William H., Foundation, The, Chicago, Ill. Booklets. 263,707; Nov. 12; Serial No. 285,215; published Aug. 27, 1929. Class 38.

Ming Hing. (See Li & Fung.)

Mitchell Wing Company, Boston, Mass. Mixture of soap with other detergent materials. 263,913; Nov. 12; Serial No. 284,481; published Aug. 27, 1929. Class 4.

Mitsuiwa Co., Inc., San Francisco, Calif. Tonic pills. 263,771; Nov. 12; Serial No. 283,132; published Aug. 20, 1929. Class 6.

Moffet, Charles, M. Shapiro, Inc., New York, N. Y. Ladies' and misses' hats. 263,862; Nov. 12; Serial No. 261,827; published Sept. 3, 1929. Class 39.

Monad Paint & Varnish Co. (See McCruden, Daniel J., Jr., assignor.)

Montag Brothers, assignor to Montag Brothers, Inc., Atlanta, Ga. Writing tablets. 75,000; renewed Aug. 24, 1929.

Montag Brothers, assignor to Montag Brothers, Inc., Atlanta, Ga. Writing tablets. 75,210; renewed Sept. 14, 1929.

Monterey Packing Company, San Francisco and Monterey, to F. E. Booth Company, Inc., San Francisco, Calif., successor. Canned fish. 76,517; renewed Jan. 26, 1930.

Montgomery Ward & Co., Incorporated, Chicago, Ill. Farm implements. 264,029; Nov. 12; Serial No. 286,648; published Sept. 3, 1929. Class 23.

Morton, Alex., & Co., Darvel, Ayrshire, Scotland, assignor to Morton Sundour Fabrics, Limited, Denton Hill, Carlisle, England. Linen and hemp piece goods. 74,524; renewed July 20, 1929.

Morton Sundour Fabrics, Limited. (See Morton, Alex., & Co., assignor.)

Morton, Warner G., to Warner G. Morton, Albany, N. Y., successor. Soft coal. 75,211; renewed Sept. 14, 1929.

Mutual Stores, Inc., Oakland, Calif. Toilet paper and paper napkins. 263,877; Nov. 12; Serial No. 264,499; published Oct. 9, 1928. Class 37.

National Gary Corporation. (See Gary, Theo. H., Co., assignor.)

National Society of the Sons and Daughters of the Pilgrims, The, Meadowbrook, Pa. Publication. 263,761; Nov. 12; Serial No. 280,935; published Aug. 20, 1929. Class 38.

National Waterways Publishing Company, Inc., Pittsburgh, Pa. Magazine. 263,701; Nov. 12; Serial No. 285,589; published Aug. 27, 1929. Class 38.

Naugatuck Chemical Company, The, New York, N. Y. Latex compositions. 263,867; Nov. 12; Serial No. 285,873; published Aug. 20, 1929. Class 1.

Needlecraft Publishing Company, The. (See Vickery & Hill Publishing Co., assignor.)

New England Confectionery Company, Cambridge, Mass. Candy. 263,932; Nov. 12; Serial No. 287,541; published Sept. 3, 1929. Class 46.

New England Confectionery Co., Portland, Me., and Boston, Mass., to New England Confectionery Company, Cambridge, Mass., successor. Candy lozenges. 75,706; renewed Dec. 2, 1929.

Noirat, T., et Compagnie Societe en Nom Collectif, Nancy, France. Flavoring extracts. 263,731; Nov. 12; Serial No. 285,932; published Sept. 3, 1929. Class 45.

Norfolk Poultry Company. (See Beatrice Poultry & Cold Storage Co., assignor.)

Norris, Incorporated, Atlanta, Ga. Candy. 263,719; Nov. 12; Serial No. 286,836; published Sept. 3, 1929. Class 46.

North and Judd Manufacturing Company, New Britain, Conn. Saddlers' and harness-makers' hardware. 75,336; renewed Sept. 21, 1929.

North-Mehornay Furniture Co., Kansas City, Mo. Textile carpets and rugs. 263,857; Nov. 12; Serial No. 284,038; published Sept. 3, 1929. Class 42.

Norvell-Shapleigh Hardware Company, by change of name to Shapleigh Hardware Company, St. Louis, Mo. Fishing tackle. 76,455; renewed Jan. 18, 1930.

Norvell-Shapleigh Hardware Company, by change of name to Shapleigh Hardware Company, St. Louis, Mo. Currycombs, buggy whips, and horse collars. 77,261; renewed Mar. 22, 1930.

Oelrich & Laux, to Oelrich & Berry Company, Chicago, Ill., successor. Molasses. 70,628; renewed Sept. 15, 1928.

Ogilvie, Paul M., Los Angeles, Calif. Series of printed books. 263,700; Nov. 12; Serial No. 285,590; published Aug. 20, 1929. Class 38.

Old Ben Coal Corporation, Chicago, Ill. Coal. 263,780; Nov. 12; Serial No. 284,916; published Aug. 6, 1929. Class 1.

Oliver-Finnie Co., Memphis, Tenn. Compound of coffee and chicory. 77,185; renewed Mar. 15, 1930.

Oregon Pulp and Paper Company, Salem, Oreg. Bond paper. 263,807; Nov. 12; Serial No. 286,266; published Aug. 27, 1929. Class 37.

Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 263,853-5; Nov. 12; Serial Nos. 284,135-7; published Sept. 3, 1929. Class 42.

Panitz, Isidor, doing business as The Yale Underwear Co., Baltimore, Md. Men's athletic union suits, undershirts, drawers, and running pants. 263,742; Nov. 12; Serial No. 270,093; published Aug. 27, 1929. Class 39.

Paragon Hat Co., Chicago, Ill. Hats and caps for the use of men and boys. 263,776; Nov. 12; Serial No. 284,950; published Aug. 20, 1929. Class 39.

Paramount Shoe Mfg. Co., St. Louis, Mo. Footwear. 263,930; Nov. 12; Serial No. 286,076; published Aug. 27, 1929. Class 39.

Paramount Shoe Mfg. Co., St. Louis, Mo. Footwear. 263,949; Nov. 12; Serial No. 286,077; published Aug. 13, 1929. Class 39.

Parfumerie Roger et Gallet, Societe Anonyme. (See Roger & Gallet.)

Patent Cereals Co., The, Geneva, N. Y. Wall-painter's size and painter's sizing. 263,920; Nov. 12; Serial No. 281,682; published Sept. 3, 1929. Class 16.

Peerless Paper Mills, Inc., The, Oaks, Pa. Toilet paper. 263,805; Nov. 12; Serial No. 286,335; published Aug. 27, 1929. Class 37.

Penfield Manufacturing Company, Syracuse, N. Y. Mattresses, pillows, and cushions. 76,494; renewed Jan. 18, 1930.

Pennsylvania-Dixie Cement Corporation, Nazareth, Pa. Portland cement. 263,880; Nov. 12; Serial No. 262,527; published Aug. 13, 1929. Class 12.

Petroleum, Constantine, doing business as G. P. Natural Cleaning Fluid Company, Brooklyn, N. Y. Cleaning fluid. 263,887; Nov. 12; Serial No. 270,261; published Aug. 20, 1929. Class 4.

Pittsburgh Coal Company of Wisconsin, Minneapolis, Minn. Coal. 263,788; Nov. 12; Serial No. 283,967; published Aug. 27, 1929. Class 1.

Pittsburgh Coal Company of Wisconsin, Minneapolis, Minn. Coal. 263,789; Nov. 12; Serial No. 283,804; published Aug. 27, 1929. Class 1.

Platt's, Chicago, Ill. Brassieres, girdles, garter belts, and corsets. 264,025; Nov. 12; Serial No. 284,312; published Aug. 27, 1929. Class 39.

Pontiac Shoe Manufacturing Co., Pontiac, Ill. Shoes. 263,946; Nov. 12; Serial No. 286,587; published Sept. 3, 1929. Class 39.

Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits and canned vegetables. 263,953; Nov. 12; Serial No. 287,494; published Sept. 3, 1929. Class 46.

Preserves & Honey, Inc. (See Best-Clymer Co., The, assignor.)

Procter & Gamble Company, The, Cincinnati, Ohio. Soap flakes. 263,874; Nov. 12; Serial No. 265,992; published Aug. 27, 1929. Class 4.

Prudential National Corporation, The, Brooklyn, N. Y. Spices, flavoring extracts, honey, etc. 263,858; Nov. 12; Serial No. 283,138; published Aug. 27, 1929. Class 46.

Publishers' Fiscal Corporation, The, New York, N. Y. Periodical. 263,698; Nov. 12; Serial No. 285,823; published Aug. 20, 1929. Class 38.

Purdue Frederick Company, The. (See Cudlipp, Edwin, assignor.)

Puritan Cordage Mills, Louisville, Ky. Sash cord, twine, rope, bell ropes, and clothesline. 76,156; renewed Dec. 21, 1929.

Puritan Mills. (See Swiss Textile Co., Inc.)

Ramer Reviews, Inc., New York, N. Y. Printed periodical. 264,005; Nov. 12; Serial No. 285,824; published Aug. 20, 1929. Class 38.

Rankin, Wm. H., Company, Chicago, Ill. Candy. 263,823; Nov. 12; Serial No. 285,749; published Sept. 3, 1929. Class 46.

Rankin, Wm. H., Company, Chicago, Ill. Wall or insulating board. 263,825; Nov. 12; Serial No. 268,631; published Aug. 13, 1929. Class 12.

Reckitts (U. S. A.) Ltd. (See Vivaudou, V., Inc., assignor.)

Red Sun Products Company, Chicago, Ill. Malt syrup. 263,820; Nov. 12; Serial No. 279,561; published Apr. 16, 1929. Class 46.

Regal Paper Company, Pulaski, N. Y. Wax paper. 263,856; Nov. 12; Serial No. 284,079; published Aug. 27, 1929. Class 37.

Research Products Corporation, Los Angeles, Calif. Medical preparation. 263,779; Nov. 12; Serial No. 284,927; published Aug. 20, 1929. Class 16.

Reza, Luis G., Zelzah, Calif. General tonic. 263,766; Nov. 12; Serial No. 284,695; published Aug. 20, 1929. Class 6.

Rice-Klein Co., Los Angeles, Calif. Lingerie and underwear. 263,987; Nov. 12; Serial No. 284,917; published Sept. 3, 1929. Class 39.

Ridgewood Fruit Growers, Winchester, Va. Beverages. 264,015; Nov. 12; Serial No. 281,522; published Sept. 3, 1929. Class 45.

Rising Paper Company, Housatonic, Mass. Announcement, book, and cover papers. 263,923; Nov. 12; Serial No. 280,136; published Aug. 20, 1929. Class 37.

Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Dental appliances. 263,821-2; Nov. 12; Serial Nos. 268,887-8; published Sept. 3, 1929. Class 44.

Riverside Cotton Mills, to Riverside & Dan River Cotton Mills, Inc., Danville, Va., successor. Cotton plaids and checks. 75,484; renewed Oct. 5, 1929.

Riverside & Dan River Cotton Mills, Inc. (See Dan River Power & Manfg. Co.)

Roberts and Oake, Inc., Chicago, Ill. Bacon. 263,721; Nov. 12; Serial No. 286,510; published Sept. 3, 1929. Class 46.

Rockhill, Margaret H., doing business as Medical Woman's Journal Publishing Co., Cincinnati, Ohio. Monthly Journal. 263,699; Nov. 12; Serial No. 285,689; published Aug. 20, 1929. Class 38.

Rossler & Haasler Chemical Company, The, New York, N. Y. Fungicides. 263,866; Nov. 12; Serial No. 283,222; published July 2, 1929. Class 3.

Roger & Gallet, to Parfumerie Roger et Gallet, Societe Anonyme, Paris, France, successor. Toilet articles and preparations. 33,093; renewed June 20, 1929.

Rogers & Thompson, West New York, N. J., and New York, N. Y., to Loren O. Thompson, doing business as L. O. Thompson Co., New York, N. Y., successor. Certain piece goods. 76,232; renewed Dec. 28, 1929.

Roller Fanciers Corporation, Kansas City, Mo.; Chicago, Ill.; San Francisco, Calif.; London, England; Vancouver, British Columbia, Canada; and Leipzig, Germany. Magazine. 263,813; Nov. 12; Serial No. 285,827; published Aug. 27, 1929. Class 38.

Romano Hats Inc., New York, N. Y. Hats. 263,948; Nov. 12; Serial No. 286,079; published Aug. 13, 1929. Class 39.

Royal Bedding Company, St. Louis, Mo. Mattresses. 263,973; Nov. 12; Serial No. 287,217; published Sept. 3, 1929. Class 32.

Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Asphalt roll roofing. 263,905; Nov. 12; Serial No. 285,690; published Aug. 6, 1929. Class 12.

Rubinstein, Helena, Inc., New York, N. Y. Preparation for face, neck, hands, etc. 263,775; Nov. 12; Serial No. 279,562; published Aug. 20, 1929. Class 6.

Russell Manufacturing Company, The, Middletown, Conn. Narrow elastic fabrics. 263,892; Nov. 12; Serial No. 285,640; published Sept. 3, 1929. Class 40.

St. Paul and Tacoma Lumber Co., Tacoma, Wash. Wood shingles. 263,784; Nov. 12; Serial No. 284,369; published Aug. 13, 1929. Class 12.

Salamy, Joseph, doing business as Equity Specialty Shop, New York, N. Y. Ladies' negligees, corsets, garter belts, etc. 263,941; Nov. 12; Serial No. 286,962; published Aug. 27, 1929. Class 39.

Salomons, Henry, assignor, by mesne assignments, to American Yvette Company, Inc., New York, N. Y. Hair goods. 77,335; renewed Mar. 29, 1930.

Scovill Manufacturing Company, Waterbury, Conn. Common pins. 263,744; Nov. 12; Serial No. 275,753; published Aug. 27, 1929. Class 40.

Scoville, Brown & Company, Wellsville, N. Y. Canned fruits, vegetables, and coffee. 263,872; Nov. 12; Serial No. 267,610; published Aug. 27, 1929. Class 46.

Sears & Nichols Corporation, The, Chillicothe, Ohio. Canned vegetables, canned sauerkraut, canned pork and beans, etc. 264,008; Nov. 12; Serial No. 273,255; published Aug. 27, 1929. Class 46.

Seifert, Alexander, Inc., Philadelphia, Pa. Sweaters, blouses, jackets, etc. 263,916; Nov. 12; Serial No. 278,612; published Aug. 27, 1929. Class 39.

Service Station Supply Company, Los Angeles, Calif. Tires, inner tubes, tire patches, etc. 263,736; Nov. 12; Serial No. 285,693; published Sept. 3, 1929. Class 35.

Shapiro, Ira J., doing business as Lucky Stroke Razor Blade Company, New York, N. Y. Mechanical razor-blade sharpeners and stroppers. 263,970; Nov. 12; Serial No. 286,799; published Sept. 3, 1929. Class 23.

Shapleigh Hardware Company. (See Norvell-Shapleigh Hardware Company.)

Shapperack Manufacturing Company, The, Norristown, Pa. Run-repair needles. 263,777; Nov. 12; Serial No. 284,761; published Aug. 20, 1929. Class 40.

Sheridan-Wyoming Coal Company, Incorporated, Sheridan, Wyo. Coal. 263,799; Nov. 12; Serial No. 280,621; published Aug. 13, 1929. Class 1.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, and germicides. 263,943-4; Nov. 12; Serial Nos. 286,659-60; published Aug. 20, 1929. Class 6.

Shield, Henry, doing business as Common Sense Mfg. Co., St. Louis, Mo. Auto and furniture polish. 263,875; Nov. 12; Serial No. 265,123; published July 24, 1928. Class 16.

Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Resins and rubber. 263,865; Nov. 12; Serial No. 255,932; published Aug. 20, 1929. Class 1.

Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Resins and rubber. 263,883; Nov. 12; Serial No. 258,552; published Aug. 20, 1929. Class 1.

Simon & Mogliner, St. Paul, Minn. Outer sport garments. 263,741; Nov. 12; Serial No. 270,655; published Aug. 27, 1929. Class 39.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 263,962; Nov. 12; Serial No. 286,600; published Sept. 3, 1929. Class 23.

Skinner Canning Company, Owensmouth, Calif. Boned chicken, chicken giblets and wings, chicken broth, and plum pudding. 263,803; Nov. 12; Serial No. 286,458; published Aug. 27, 1929. Class 46.

Smith, Landon P., Inc., Irvington, N. J. Tools for driving glazier points. 263,729; Nov. 12; Serial No. 286,208; published Sept. 3, 1929. Class 23.

Sobo, H., & Sons Company, Newark, N. J. Canned vegetables. 263,726; Nov. 12; Serial No. 285,945; published Sept. 3, 1929. Class 46.

Soboroff-Rosenwald Company, Chicago, Ill. Caps for men and boys. 263,826; Nov. 12; Serial No. 268,468; published Aug. 13, 1929. Class 39.

Solerias Pehel. (See Lelong, Pierre.)

Sommer & Kaufmann, Inc., San Francisco, Calif. Silk hosiery. 263,688; Nov. 12; Serial No. 285,718; published Sept. 3, 1929. Class 39.

Sommer & Kaufmann, Inc., San Francisco, Calif. Footwear. 263,891; Nov. 12; Serial No. 285,719; published Sept. 3, 1929. Class 39.

Spalding, A. G. & Bros., Jersey City, N. J., and New York, N. Y. Golf balls. 77,018; renewed Mar. 1, 1930.

Sportsman Pilot, Inc., The, New York, N. Y. Periodical. 263,852; Nov. 12; Serial No. 284,645; published Aug. 20, 1929. Class 38.

Sportswoman Guild, Inc., The, Bryn Mawr and Philadelphia, Pa. Magazine. 263,705; Nov. 12; Serial No. 285,390; published Aug. 20, 1929. Class 38.

Spring Valley Canning Company, The, Spring Valley and Lebanon, Ohio, assignor, by mesne assignments, to Johnson-Appleby Company, Cambridge, Mass. Canned vegetables. 76,082; renewed Dec. 14, 1929.

Star Watch Case Co., Ludington, Mich. Watchcases. 263,981; Nov. 12; Serial No. 287,676; published Sept. 3, 1929. Class 27.

Stearns, Frederick, & Co. (See Zymole Company, assignor.)

Steffen, W. S., Inc., New York, N. Y. Pins, safety pins, and snap fasteners. 263,769; Nov. 12; Serial No. 284,019; published Sept. 3, 1929. Class 40.

Steffen, W. S., Inc., New York, N. Y. Pins, safety pins, and snap fasteners. 264,024; Nov. 12; Serial No. 284,018; published Aug. 20, 1929. Class 40.

Stein-Hoch Co., The, Rochester, N. Y. Overcoats for men and boys. 264,010; Nov. 12; Serial No. 284,279; published Aug. 20, 1929. Class 39.

Stein, S. & Co., New York, N. Y. Woolen goods. 263,809; Nov. 12; Serial No. 286,139; published Sept. 3, 1929. Class 42.

Steinberg, J., doing business as J. Steinberg & Co., Kansas City, Mo. Neckwear. 263,687; Nov. 12; Serial No. 285,794; published Sept. 3, 1929. Class 39.

Stern Brothers, New York, N. Y. Infants' underwear and knit clothing. 263,722; Nov. 12; Serial No. 286,391; published Aug. 27, 1929. Class 39.

Stevens, Chas. A. & Bros., Chicago, Ill. Corsets. 76,738; renewed Feb. 15, 1930.

Stewart, Jesse C., Company. (See Jenkins, Thomas C., assignor.)

Strathmore Paper Company, Miltineague, Mass. Paper, Bristol board, paper, and cards. 263,847; Nov. 12; Serial No. 287,028; published Aug. 27, 1929. Class 37.

Strathmore Paper Company, Miltineague, Mass. Book, text, and cover paper and mailing envelopes. 263,850; Nov. 12; Serial No. 287,027; published Aug. 27, 1929. Class 37.

Sun Garden Confections Company, Fresno, Calif. Chocolates and all assorted candies. 263,751; Nov. 12; Serial No. 275,417; published Feb. 26, 1929. Class 46.

Susquehanna Shirt Company, Philadelphia, Pa. Negligee shirts. 263,683; Nov. 12; Serial No. 287,481; published Sept. 3, 1929. Class 39.

Swift and Company, Chicago, Ill. Certain packing-house products. 34,386; renewed Mar. 27, 1930.

Swiss Textile Co., Inc., doing business as Puritan Mills, New York, N. Y. Sanitary napkins. 263,756; Nov. 12; Serial No. 276,461; published Sept. 3, 1929. Class 44.

Synthetic Nitrogen Products Corporation, assignor to Synthetic Nitrogen Products Corporation, New York, N. Y. Publication. 263,814; Nov. 12; Serial No. 285,757; published Aug. 27, 1929. Class 38.

Taubman Automotive Co., The, Baltimore, Md. House paints, varnish, enamels, etc. 263,824; Nov. 12; Serial No. 268,648; published Sept. 3, 1929. Class 16.

Taylor, W. H., Company, Des Moines, Iowa. Foundation coal chutes and steel windows. 263,900; Nov. 12; Serial No. 285,796; published Aug. 20, 1929. Class 12.

Terra Alta Bottling Company Inc., Terra Alta, W. Va. Maltless beverages and syrups and extracts for making the same. 263,735; Nov. 12; Serial No. 285,697; published Sept. 3, 1929. Class 46.

Thomas, Helen R., New York, N. Y. Pens and pencils. 263,914; Nov. 12; Serial No. 284,023; published Aug. 27, 1929. Class 37.

Thompson, Loren O. (See Rogers & Thompson.)

Timmel, Emil, Morton Grove, Ill. Cigarettes. 264,027; Nov. 12; Serial No. 278,080; published Sept. 3, 1929. Class 17.

Tralser, Henry, & Co., to H. Tralser & Company, Incorporated, Boston, Mass., successor. Cigars. 76,836; renewed Sept. 28, 1929.

Tralser, Henry, & Co., to H. Tralser & Company, Incorporated, Boston, Mass., successor. Cigars. 76,058; renewed Dec. 7, 1929. Class 17.

United Lasts Company, Boston, Mass. Lasts for boots and shoes. 263,794; Nov. 12; Serial No. 281,700; published June 4, 1929. Class 50.

United Roofers Incorporated, Elizabeth, N. J. Asphaltic roofing and roofing plastics. 263,909; Nov. 12; Serial No. 285,486; published Aug. 6, 1929. Class 12.

United Shoe Machinery Corporation, Boston, Mass. Cleaners, dressings, polishes, etc. 263,837; Nov. 12; Serial No. 286,400; published Aug. 27, 1929. Class 4.

United States Gutta Percha Paint Company. (See Holzapfel Limited, assignor.)

United States Rubber Company. (See Mechanical Rubber Company, The, assignor.)

U. S. Sanitary Specialties Corporation, Chicago, Ill. Cleansing compound. 263,843; Nov. 12; Serial No. 285,895; published Aug. 20, 1929. Class 4.

Vallé Company, The, Cleveland, Ohio. Paints, varnishes, and lacquers. 263,966; Nov. 12; Serial No. 285,699; published Aug. 27, 1929. Class 16.

Vanity Fair Silk Mills, Reading, Pa. Underwear for women and girls. 263,942; Nov. 12; Serial No. 286,806; published Aug. 27, 1929. Class 39.

Vickery & Hill Publishing Co., assignor to The Needlecraft Publishing Company, Augusta, Me. Monthly periodical. 76,319; renewed Jan. 4, 1930.

Vitelli, F. & Sons, New York, N. Y. Canned sweet-pepper fritcassee. 263,718; Nov. 12; Serial No. 287,031; published Sept. 3, 1929. Class 40.

Vivaudou, V., Inc., New York, assignor to Reckitts (U. S. A.) Ltd., Rochester, N. Y. Silver polishes. 263,833; Nov. 12; Serial No. 286,698; published Aug. 27, 1929. Class 4.

Vulcanized Rubber Co., The, to The Vulcanized Rubber Company, Inc., New York, N. Y. Rubber combs. 76,982; renewed Mar. 1, 1930.

Wadsworth, Howland & Co., Incorporated, Boston, Mass. Varnishes. 77,181-2; renewed Mar. 15, 1930.

Wakefield, C. C. & Company, London, England, assignor, by mesne assignments, to American Carbollite Company, Inc., New York, N. Y. Calcium carbide blocks or cakes. 77,168; renewed Mar. 15, 1930.

Walton, F. S., Company, Philadelphia, Pa. Neat's-foot oil. 75,566; renewed Oct. 19, 1929.

Watson, Roy A., doing business as Watson Sanitarium, Ashland, Ohio. Medicine for cancer. 263,772; Nov. 12; Serial No. 283,071; published Aug. 20, 1929. Class 6.

Webster, William A., Company, The, Memphis, Tenn. Shaving cream. 263,921; Nov. 12; Serial No. 282,214; published Aug. 27, 1929. Class 4.

Webster, William A., Company, Memphis, Tenn. Mouth washes; beef, iron, and wine; dental creams, etc. 263,763; Nov. 12; Serial No. 284,885; published Aug. 20, 1929. Class 6.

Webster, William A., Company, Memphis, Tenn. Shaving cream. 264,001; Nov. 12; Serial No. 286,699; published Aug. 20, 1929. Class 4.

Webster, William A., Company, Memphis, Tenn. Shaving cream. 264,002; Nov. 12; Serial No. 286,708; published Aug. 20, 1929. Class 4.

Weinbrenner, Albert H., Co., Milwaukee, Wis. Boots, shoes, and slippers. 263,937-8; Nov. 12; Serial Nos. 285,002-3; published Aug. 20, 1929. Class 39.

Western Clock Company, Peru, Ill. Clocks and watches. 263,730; Nov. 12; Serial No. 286,096; published Sept. 3, 1929. Class 27.

Western States Cutlery and Manufacturing Company, The, Boulder, Colo. Tableware. 263,750; Nov. 12; Serial No. 274,861; published Sept. 3, 1929. Class 23.

White Brothers, Scotts, Mich. Coal and coke. 263,795; Nov. 12; Serial No. 280,969; published Aug. 27, 1929. Class 1.

White Tower System, Inc., Milwaukee, Wis. Foods. 263,911; Nov. 12; Serial No. 278,577; published Aug. 27, 1929. Class 46.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Bond paper. 264,006; Nov. 12; Serial No. 287,168; published Aug. 27, 1929. Class 37.

Wilkin & Adler, Inc., doing business as The Goldflex, New York, N. Y. Women's, misses', and children's suits, coats, and dresses. 263,684; Nov. 12; Serial No. 286,527; published Sept. 3, 1929. Class 39.

Woodbury Shoe Mfg. Co., Derry, N. H. Boots, shoes, and slippers. 263,836; Nov. 12; Serial No. 285,054; published Aug. 13, 1929. Class 39.

Worcester Lawn Mower Company, Worcester, Mass. Lawn mowers. 263,972; Nov. 12; Serial No. 287,101; published Sept. 3, 1929. Class 23.

World Adventurer Products Company. (See Zarzoso, A. E.)

Wright & Ditson, Jersey City, N. J., and Boston, Mass. Certain sporting goods. 76,336; renewed Jan. 4, 1930.

Wyeth Chemical Company, Jersey City, N. J. Liniment. 263,762; Nov. 12; Serial No. 284,922; published Aug. 20, 1929. Class 6.

Yale Underwear Co., The. (See Panitz, Isidor.)

Yavner, Louis, doing business as Indian Overall Company, Boston, Mass. Overalls, coats, and dungarees. 263,723; Nov. 12; Serial No. 286,352; published Aug. 27, 1929. Class 39.

Yosemite Portland Cement Corporation, Fresno, Calif. Portland and oil-well cement. 263,906-8; Nov. 12; Serial Nos. 285,127-9; published Aug. 20, 1929. Class 12.

Zarzoso, A. E., doing business as World Adventurer Products Company, Detroit, Mich. Soft-drink flavors. 263,971; Nov. 12; Serial No. 286,912; published Sept. 3, 1929. Class 45.

Ziegler, Percy R., West Newton, Mass. Certain milk receptacles. 77,350; renewed Mar. 29, 1930.

Zip, Inc., Portland, Oreg. Leather straps. 263,876; Nov. 12; Serial No. 264,028; published Aug. 20, 1929. Class 4.

Zobel, Ernst, Company, New York, N. Y. Barrel lining (pitch). 263,898-9; Nov. 12; Serial Nos. 285,432-3; published Aug. 13, 1929. Class 1.

Zuckerbrod, Bertha, Elizabeth, N. J. Ladies' outer garments for sport wear. 263,689; Nov. 12; Serial No. 285,647; published Aug. 27, 1929. Class 39.

Zymole Company, The, New York, N. Y., assignor to Frederick Stearns & Co., Detroit, Mich. Remedy for colds and grippe. 76,983; renewed Mar. 1, 1930.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

Allen, Paul E., Chicago, Ill. Baby's Pal. For a Bottle Holder. 36,596; Nov. 12.

American Paper & Wooden Ware Co., The, Cincinnati, Ohio. Old Mill. For Malt Extract. 36,597; Nov. 12.

Associated Meat Company of California, Los Angeles, Calif. Beverly Farm. For Pork Sausage. 36,598; Nov. 12.

Blas, Peter, San Francisco, Calif. Little Walf Wafers. For Wafers. 36,599; Nov. 12.

Bodie, R. D., Company, Seattle, Wash. Cold Packed Fruits. For Cold-Pack Berries. 36,600; Nov. 12.

Booth Fisheries Company, Chicago, Ill. Fisher Boy Brand Fresh Haddock Fillets. For Fresh Haddock Fillets. 36,601; Nov. 12.

California Grape Products Company, Ukiah and Delano, Calif., and New York, N. Y. California Fresh Grapes Tipo Italia. For Fresh Grapes. 36,602; Nov. 12.

Dairy Maid Products Co., Philadelphia, Pa. Animal Pops. For Candy. 36,603; Nov. 12.

Erwin Company, Kansas City, Mo. Baby Notes—at Home Rainy Afternoons. For Stationery. 36,604; Nov. 12.

Gallagher, S. J., Inc., Los Angeles and Brawley, Calif., and Salt Lake City, Utah. Let 'Er Go. For Lettuce. 36,605; Nov. 12.

Gase Baking Company, Saginaw, Mich. Gase's. For Cakes. 36,606; Nov. 12.

Golden West Products Co., Los Angeles, Calif. Bonnie Buns. For Strawberry Jam. 36,607; Nov. 12.

Gorton, Thomas S., Jr., doing business as Slade Gorton Co., Chicago, Ill. Icybay Panready Fish. For Fresh and Frozen Fish. 36,608; Nov. 12.

Halferty, G. P., & Company, Seattle, Wash. Show Down. For Canned Salmon. 36,609; Nov. 12.

Halferty, G. P., & Company, Seattle, Wash. Morning Star. For Canned Salmon. 36,610; Nov. 12.

Hamilton, James H., Los Angeles, Calif. Off Co. For Mouth Wash Preparation for Helping to Overcome the Snuff, Tobacco-Chewing, and Tobacco-Smoking Habit. 36,611; Nov. 12.

Hamilton, James H., Los Angeles, Calif. Oderoff. For Toilet Preparation for Preventing Excessive Perspiration Under the Arms or the Feet. 36,612; Nov. 12.

Harrow Import Co. (See Huebschman, Hyman.)

Hillier's, R., Son Company, Inc., Jersey City, N. J. Hill-Hillier Brand. For Powdered Henna Preparation. 36,613; Nov. 12.

Hoague-Sprague Corporation, Lynn, Mass. Paxon's Incorporated. For Boxes. 36,614; Nov. 12.

Huebschman, Hyman, doing business as Ritz Perfume Company and Ritz Chemical Co., Brooklyn, N. Y. Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. 36,615; Nov. 12.

Huebschman, Hyman, doing business as Russian Import Co., Brooklyn, N. Y. Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. 36,616-20; Nov. 12.

Huebschman, Hyman, doing business as Russian Import Co., Brooklyn, N. Y. Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. 36,621; Nov. 12.

Huebschman, Hyman, doing business as Ritz Chemical Co., Brooklyn, N. Y. Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. 36,624; Nov. 12.

Hyde, W., Dallas, Tex. Dr. Hyde's Camphorated Sulphur-Oil. For Camphorated Sulphur Oil. 36,625; Nov. 12.

Hyde, W., Dallas, Tex. Blood-Pep. For a Tonic Purgative. 36,626; Nov. 12.

Hyde, W., Dallas, Tex. W. Hyde's Oxo-Ox. For Antifermentative. 36,627; Nov. 12.

Ideal Food Products Company. (See Menasha Products Company, The, assignor.)

Jaeger, Oswald, Baking Company. (See Menasha Products Co., The, assignor.)
 Jel Sert Company, The. (See Menasha Products Company, The, assignor.)
 MacFarlane Nut Co., Oakland, Calif. Skwirl Fude. For Salted Nuts. 36,628; Nov. 12.
 Malarin, Enrique J., San Francisco, Calif. Oka Type Cleaner and Platen Renewer. For Type Cleaner and Platen Renewer. 36,629; Nov. 12.
 Menasha Products Co., The, Chicago, Ill., assignor to Oswald Jaeger Baking Company, Milwaukee, Wis. Jaeger's Butter-Nut Bread Sliced. For Bread. 36,630; Nov. 12.
 Menasha Products Company, The, Chicago, assignor to Ideal Food Products Company, Peoria, Ill. Lucky-Nut. For Oleomargarine. 36,631; Nov. 12.
 Menasha Products Company, The, Chicago, assignor to The Jel Sert Company, Chicago, Ill. Jel Sert. For Jelly Powder. 36,632; Nov. 12.
 Mutual Supply Company, San Francisco, Calif. Asahi Canvas Shoes. For Canvas Shoes. 36,633; Nov. 12.

National Association of Finishers of Cotton Fabrics, New York, N. Y. Nafal Tested Fast Colors. For Textile Fabrics Which Have Been Tested in the Manner Provided by Said Label. 36,634; Nov. 12.
 Page Milling Company, The, Luray, Va. Cross Country. For Wheat Flour. 36,635; Nov. 12.
 Reid, T. M., Tenerife Onion Seed Company, Laredo, Tex. T. M. Reid Tenerife Onion Seed. For Onion Seed. 36,636; Nov. 12.
 Ritz Chemical Co. (See Huebschman, Hyman.)
 Ritz Perfume Company. (See Huebschman, Hyman.)
 Russian Import Co. (See Huebschman, Hyman.)
 Sacks-Sons Carton Co., Brooklyn, N. Y. Infants' Dresses. For Infants' Dresses. 36,637; Nov. 12.
 Salz Brothers, Inc., New York, N. Y. See The Point. For Fountain Pens. 36,638; Nov. 12.
 Schlinks, J., El Dorado, Ark. J. Schlinks, Original Malted Milk Butter Biscuits. For Biscuits. 36,639; Nov. 12.
 Traub Manufacturing Company, doing business as Traub, Detroit, Mich. Rings Styled by Traub. For Rings. 36,640; Nov. 12.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

Gold Leaf Shoes, Inc., Columbus, Ohio. Merchandising Extension Service. For Footwear. 12,176; Nov. 12.
 Grayslake Gelatin Co. (See Menasha Products Company, The, assignor.)
 Holder, Herbert C., Council Bluffs, Iowa. Gas Never Fails. For Gas. 12,177; Nov. 12.
 Julep Company, The, Fort Worth, Tex. Howell's Root-Beer—With that Good Old Fashioned Flavor. For Root Beer. 12,178; Nov. 12.
 Menasha Products Company, The, Chicago, assignor to Grayslake Gelatin Co., Grayslake, Ill. Grayslake Gelatin. For Gelatin. 12,179; Nov. 12.

Pabst Corporation, Milwaukee, Wis. The Brew that brings Back Memories (Large Display). For Nearbeer. 12,180; Nov. 12.
 Red Dot Key Case Co., Washington, D. C. Red Dot. For Key Cases. 12,181; Nov. 12.
 Shell Eastern Petroleum Products, Inc., Boston, Mass. The Time to Start to Pass a Car is When You Fill Your Tank. For Shell Gasoline. 12,182; Nov. 12.
 Shell Eastern Petroleum Products, Inc., Boston, Mass. Why Waste Time Shifting Gears? For Shell Gasoline. 12,183; Nov. 12.
 Ward Baking Company, New York, N. Y. Tip-Top. For Bread. 12,184; Nov. 12.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907)

A-C Dayton Company, The, Dayton, Ohio. Radio receiving sets and radio electron tubes. 288,535; Nov. 12. Class 21.
 Aerolection Corporation, New York, N. Y. Electrical apparatus. 288,161; Nov. 12. Class 21.
 Albers Bros. Milling Co., San Francisco. Bird seed. 290,679; Nov. 12. Class 46.
 American Chemical & Drug Co., Inc., Olyphant, Pa. Proprietary preparations. 279,712; Nov. 12. Class 6.
 American Chemical Paint Company, Lower Gwynedd Township, Montgomery County, Pa. Primer for ferrous metals. 290,288; Nov. 12. Class 16.
 American Chicle Company, Long Island City, N. Y. Chewing gum. 275,992; Nov. 12. Class 46.
 American Chicle Company, Long Island City, N. Y. Chewing gum. 279,713; Nov. 12. Class 46.
 American District Steam Company, North Tonawanda, N. Y. Expansion joints. 281,471; Nov. 12. Class 13.
 American Mills Company, Atlanta, Ga. Chocolate candy, chocolate bars, etc. 286,362; Nov. 12. Class 46.
 American National Company, The, Toledo, Ohio. Toys. 290,110; Nov. 12. Class 22.
 American Pharmaceutical Company, Detroit, Mich. Medicines. 290,444; Nov. 12. Class 6.
 Anderson Manufacturing Co., Cambridge, Mass. Aprons for automobile mud guards. 290,333; Nov. 12. Class 19.
 Armand Company, Inc., The, Des Moines, Iowa. Deodorant powder. 289,865; Nov. 12. Class 6.
 Autocall Company, The, Shelby, Ohio. Apparatus and equipment for use in paging service, etc. 289,958; Nov. 12. Class 21.
 Bachrach-Feld Co., The, doing business as Red Star Malt Co., Cincinnati, Ohio. Malt syrup. 289,490; Nov. 12. Class 46.
 Bachrach-Feld Co., The, doing business as Old Republic Malt Co., Cincinnati, Ohio. Malt syrup. 289,491; Nov. 12. Class 46.
 Baker & Company, Inc., Newark, N. J. Metal for swaged-base dentures. 290,395; Nov. 12. Class 44.
 Bamberger, L. & Co., Newark, N. J. Dresses, coats, hosiery, etc. 290,295; Nov. 12. Class 39.
 Bamberger, L. & Co., Newark, N. J. Chinaware, porcelain ware, and earthenware. 290,291; Nov. 12. Class 30.
 Bamberger, L. & Co., Newark, N. J. Glassware. 290,294; Nov. 12. Class 33.
 Barnett & Shibley Company, Sunset, La. Candied sweet potatoes in tins. 234,263; Nov. 12. Class 46.
 Baskind, Louis & Co., Inc., New York, N. Y. Shirts and pajamas. 272,924; Nov. 12. Class 39.
 Beh, Augusta, doing business as The Beh Remedy Company, Bronx, N. Y. Medicine. 281,334; Nov. 12. Class 6.
 Bemis Bro. Bag Co., St. Louis, Mo. Fabric and paper bags and sacks. 288,101-2; Nov. 12. Class 2.

Bennett Day Importing Company, Inc., New York, N. Y. Nuts in the shell. 284,769; Nov. 12. Class 46.
 Berg, Marty J., New York, N. Y. Column of boxing news for newspaper publication. 278,918; Nov. 12. Class 38.
 Berge, E. A., Fabriks Aktiebolag, Eskilstuna, Sweden. Cold chisels, paring knives, shoe pliers, etc. 277,271; Nov. 12. Class 23.
 Blue Manufacturing Co. (See Caples, Edward D.)
 Boehringer, Albert, doing business as C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Chemical solvents. 267,829; Nov. 12. Class 16.
 Bonham, Gny L., West Hartford, Conn. Bowling games. 286,364-5; Nov. 12. Class 22.
 Boone Engineering Company, Rockford, Ill. Shock absorbers. 290,335; Nov. 12. Class 19.
 Bradford Dyers' Association Limited, The, Bradford, England. Woolen piece goods. 290,336; Nov. 12. Class 42.
 Bremner Bros., Chicago, Ill. Biscuit, cake, and crackers. 279,141; Nov. 12. Class 46.
 Brimeyer, Joseph H., Minneapolis, Minn. Face powder, face cream, perfume, etc. 289,816; Nov. 12. Class 6.
 Brin, Moses A., doing business as Cupid's Laboratories Studio, Chicago, Ill. Bath powder. 286,020; Nov. 12. Class 6.
 Brown & Bigelow, St. Paul, Minn. Cigar lighters. 283,713; Nov. 12. Class 34.
 Brown, Hattie, Sioux City, Iowa. Salad dressing. 289,307; Nov. 12. Class 46.
 Bullard-Davis, Incorporated, New York, N. Y. First-aid medical and surgical kits and parts thereof, gas masks, etc. 287,647; Nov. 12. Class 44.
 Burns Orange Growers, Inc., Buras, La. Fresh citrus fruit. 289,098; Nov. 12. Class 46.
 Burdine, Inc., Miami, Fla. Gloves, dresses, scarfs, etc. 289,477; Nov. 12. Class 39.
 Burgess Battery Company, Madison, Wis. Electric batteries. 289,442; Nov. 12. Class 21.
 Burgess Norton Mfg. Co., Geneva, Ill. Piston pins, valves, etc. 281,403; Nov. 12. Class 23.
 Burham Safety Razor Co. (See Doll, Clara L.)
 Burrell-Dugger Company, Indianapolis, Ind. Pharmaceutical preparation. 290,686; Nov. 12. Class 6.
 Burtis Company, Inc., The, Newark, N. J. Vanity cases, purses, pocketbooks, etc. 289,872; Nov. 12. Class 3.
 Bury Quilting Manufacturing Company Limited, The, Manchester, England. Waistcoats, caps and cap covers, collars, etc. 256,762; Nov. 12. Class 39.
 Business News Publishing Co., Detroit, Mich. Periodical. 290,544; Nov. 12. Class 38.
 California Cooperative Producers, San Francisco, Calif. Canned fruits, canned vegetables. 290,449; Nov. 12. Class 46.

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(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907)

Callas, George, San Francisco, Calif. Medicinal preparation. 290,651; Nov. 12. Class 6.
 Campbell, A. R., doing business as Welco Storage Battery Company, Flint, Mich. Storage batteries. 289,710; Nov. 12. Class 21.
 Capezio, Salvatore, doing business as Capezio, New York, N. Y. Toe-dancing slippers. 289,444; Nov. 12. Class 39.
 Caples, Edward D., doing business as Blue Manufacturing Co., Somerville, Mass. Laundry and toilet soap. 289,335; Nov. 12. Class 4.
 Carlisle Shoe Company, Carlisle, Pa. Leather boots and shoes. 288,175; Nov. 12. Class 39.
 Chicago Hardware Foundry Company, North Chicago, Ill. Electrically-actuated hot air driers. 287,737; Nov. 12. Class 21.
 Chicago Jefferson Fuse & Electric Co., now by change of name to Jefferson Electric Company, Chicago, Ill. Fuses and parts thereof, fuse wire, fuse strip, etc. 278,091; Nov. 12. Class 21.
 Church, Ralph D., Dallas, Tex. Toys. 289,711; Nov. 12. Class 22.
 Cie Dubuc Products Co. Ltd., Chicoutimi, Canada. Chemical preparations. 287,450; Nov. 12. Class 6.
 City Bakery. (See Schlinks, J.)
 Clapp, Harold H., doing business as H. H. Clapp Sales Co., Rochester, N. Y. Wheat cereal. 289,337; Nov. 12. Class 46.
 Clay-Adams Company, Inc., New York, N. Y. Silk-worm gut. 289,574; Nov. 12. Class 44.
 Clemente Jacques y Cia., Mexico, Mexico. Canned chilies, pickles, and canned fruits. 267,579; Nov. 12. Class 46.
 Collins, John A., doing business as Collins Drug Co., San Francisco, Calif. Healing ointment. 289,552; Nov. 12. Class 6.
 Colonnade Beverage Co. (See Sopshtin, Morris.)
 Columbia Feather Company, Chicago, Ill. Pillows. 290,055; Nov. 12. Class 32.
 Compass Sales Co., The, (See Pickus, Morris I.)
 Conrad Shoe Company, Brockton, Mass. Shoes. 289,389; Nov. 12. Class 39.
 Consistometer Corporation, Chicago, Ill. Instruments for measuring the film fracture, viscosity, etc. 289,820; Nov. 12. Class 26.
 Converse Rubber Company, Malden, Mass. Boots and shoes. 288,786; Nov. 12. Class 39.
 Cork Floor Products Co., Portland, Oreg. Sweeping compounds. 288,225; Nov. 12. Class 4.
 Cowden Manufacturing Co., Kansas City, Mo.; Galesburg, Ill.; and Omaha, Neb. Automobile service suits, play suits, overalls, and pants. 288,604; Nov. 12. Class 39.
 Cowden Manufacturing Co., Kansas City, Mo.; Galesburg, Ill.; and Omaha, Neb. Automobile service suits, play suits, overalls, and pants. 288,606-7; Nov. 12. Class 39.
 "Cristallo" A.-G., Thun, Switzerland. Mineral waters, flavoring syrups, and maltless beverages. 289,963; Nov. 12. Class 45.
 Crouse & Pope Foundry Corporation, Auburn, Me. Steam and hot water radiators. 288,273; Nov. 12. Class 34.
 Crystal City Fuel & Oil Co., Incorporated, Crystal City, Mo. Petroleum products. 288,158; Nov. 12. Class 15.
 Cumberland Raincoat Company, Jellico, Tenn. Raincoats. 283,091; Nov. 12. Class 39.
 Cupid's Laboratories Studio. (See Brin, Moses A.)
 Currier's Tablets Incorporated, Los Angeles, Calif. Medicated tablets. 280,894; Nov. 12. Class 6.
 Curtis-Stephens-Embry Co., Inc., Reading, Pa. Shoes. 289,666; Nov. 12. Class 39.
 Day, Maud P., doing business as H. A. Day & Son Co., Bangor, Me. Polish for furniture, etc. 287,742; Nov. 12. Class 16.
 De Angelis, John L., doing business as Twist Tubular Spagetti Co., White Plains, N. Y. Macaroni. 288,589; Nov. 12. Class 46.
 Dell Publishing Co., Inc., New York, N. Y. Printed periodical. 290,342; Nov. 12. Class 38.
 Dell Publishing Company, New York, N. Y. Cartoons. 290,490-502; Nov. 12. Class 38.
 Demilo Company, The. (See Gleghorn, James S.)
 Denaton Felt and Hair Company, Inc., Philadelphia, Pa. Carpet and rug cushions. 289,313; Nov. 12. Class 32.
 Dietz, R. E., Company, New York, N. Y. Lanterns and parts thereof. 290,244; Nov. 12. Class 34.
 Dodge-Dickinson Co., The, Bloomington, Ill. Mattresses. 281,769; Nov. 12. Class 32.
 Doll, Clara L., doing business as Burham Safety Razor Co., New York, N. Y. Razor blades. 290,057; Nov. 12. Class 23.
 Doll, Jacob & Sons, assignor to Emil E. Gabler, trading as Ernest Gabler & Brother, New York, N. Y. Pianos. 231,144; Nov. 12. Class 36.
 Doubleday, Doran Book Shops, Inc., Garden City, N. Y. Leaflets, pamphlets, books, etc. 290,119; Nov. 12. Class 38.
 Dousselin, Auguste, Lyon, France. Cleaner. 260,050; Nov. 12. Class 4.
 Dryice Corporation of America, New York, N. Y., and Elizabeth, N. J. Carbon dioxide (CO₂). 290,176; Nov. 12. Class 6.

Dry-Zero Corporation, Chicago, Ill. Sound-deadening and thermal-insulation material. 289,715; Nov. 12. Class 12.
 Ducharme, F., Silk Co. Inc., New York, N. Y. Silk piece goods. 290,653-4; Nov. 12. Class 42.
 Duette Manufacturing Company, Chicago, Ill. Dry-cleaning fluid. 289,878; Nov. 12. Class 4.
 Duplan Silk Corporation, New York, N. Y. Fabrics. 290,504; Nov. 12. Class 42.
 Dutch Factory. (See Lotze, Gerhard H.)
 Edison Electric Appliance Co., Inc., Chicago, Ill. Insulated electric wires or conductors. 285,843-4; Nov. 12. Class 21.
 Electric Service Supplies Company, Philadelphia, Pa. Lightning arresters. 254,074; Nov. 12. Class 21.
 Electrical Trade Publishing Company, Chicago, Ill. Periodical. 290,246; Nov. 12. Class 38.
 Elwood, Maurice V., Inc., New York, N. Y. Fur coats, scarfs, and neck pieces. 277,619; Nov. 12. Class 39.
 English Textile Manufacturing Company Limited, The, Manchester, England. Textile floor and wall coverings. 286,043; Nov. 12. Class 42.
 Enro Shirt Company, The, Louisville, Ky. Shirts, underwear, and pajamas. 289,847; Nov. 12. Class 39.
 Excelsior Accordion Mfg. Co., New York, N. Y. Accordions. 289,268; Nov. 12. Class 36.
 Exeter Citrus Association, Exeter, Calif. Fresh citrus fruits. 290,459; Nov. 12. Class 46.
 Farmers Automobile Inter-Insurance Exchange, Los Angeles, Calif. Periodicals. 290,120; Nov. 12. Class 38.
 Fay & King, New York, N. Y. Hosiery. 262,299; Nov. 12. Class 39.
 Fay Manufacturing Co., Chicago, Ill. Lighters. 288,905; Nov. 12. Class 34.
 Fedco System, Incorporated, New York, N. Y. Identification means. 285,263; Nov. 12. Class 13.
 Federal Mill & Elevator Co., Inc., Lockport, N. Y. Blended wheat and rye flour. 290,121; Nov. 12. Class 46.
 Filene's, Wm., Sons Company, Boston, Mass. Electric lamps, flash lights, batteries. 289,723; Nov. 12. Class 21.
 Filene's, Wm., Sons Company, Boston, Mass. Feathers and sponges. 289,727; Nov. 12. Class 1.
 Fireside Industries, Inc., Adrian, Mich. Publication. 290,123; Nov. 12. Class 38.
 First National Radio Corporation, New York, N. Y. Radio receiving sets. 288,324; Nov. 12. Class 21.
 Florasynth Laboratories, Inc., New York, N. Y. Aromatic chemical solvents. 280,170; Nov. 12. Class 38.
 Florence Ravioli Company, Chicago, Ill. Ravioli. 286,480; Nov. 12. Class 46.
 Florin, Philip, New York, N. Y. Wallets and bill folds. 290,349; Nov. 12. Class 3.
 Flugelman, N. & Co., Inc., New York, N. Y. Fabrics in the piece. 290,657; Nov. 12. Class 42.
 Fortgang, Irving, doing business as National Malt Extract Co., Flint, Mich. Malt syrup. 289,103; Nov. 12. Class 46.
 Frohna Aktiengesellschaft, Barmen, Germany. Machines for use in the manufacture of shoes and the like. 284,570; Nov. 12. Class 23.
 Gabler, Emil E. (See Doll, Jacob & Sons, assignor.)
 Genex Company, Newark, N. J. Watch straps, watch attachments, neck chains, etc. 289,010-1; Nov. 12. Class 28.
 General Outdoor Advertising Co., Inc., New York, N. Y. Electrical apparatus. 284,535; Nov. 12. Class 21.
 Gernsback Publications, Inc., New York, N. Y. Publication. 290,697; Nov. 12. Class 38.
 Gill, James G., Co., Inc., The, Norfolk, Va. Coffee and tea. 281,565; Nov. 12. Class 46.
 Glaser, Crandell Co., Chicago, Ill. Relish. 289,105-6; Nov. 12. Class 46.
 Gleghorn, James S., doing business as The Demilo Company, Detroit, Mich. Skin cosmetic. 288,472; Nov. 12. Class 6.
 Gold, Harry, Baltimore, Md. Bread, cakes, and rolls. 289,675; Nov. 12. Class 46.
 Gold Medal Products Company, North Chicago, Ill. Putty. 289,776; Nov. 12. Class 16.
 Golden Arrow Farms. (See Schacht, William F.)
 Gray, Joseph A., doing business as Gray's Medicine Company, South Bend, Ind. Tonic and system purifier. 282,471; Nov. 12. Class 6.
 Great Western Oil Company, The, Cleveland, Ohio. Gasoline. 282,648; Nov. 12. Class 15.
 Griswoldville Mfg. Company, New York, N. Y. Textile fabric. 290,698-9; Nov. 12. Class 42.
 Halferty, G. P., & Co., Inc., Seattle, Wash. Canned salmon. 290,408; Nov. 12. Class 46.
 Hanak, B. B., Company, The, Chicago, Ill. Refrigerator show cases or counters. 288,334; Nov. 12. Class 31.
 Hausman, W. F., Co., The, Cincinnati, Ohio. Syrups for nonalcoholic beverages. 270,547; Nov. 12. Class 45.
 Heatflator Company, Syracuse, N. Y. Sheet-metal fireplace. 281,207; Nov. 12. Class 34.
 Heerwagen Bros. Co. Inc., Fayetteville, Ark. Piston rings, radiator hose, garden hose, etc. 288,806; Nov. 12. Class 35.
 Herbrand Co., The, Fremont, Ohio. Wrenches. 287,186; Nov. 12. Class 28.

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Herder, Friedr., Abr. Sohn, Solingen, Germany. Table knives and carvers, bread knives, fruit knives, etc. 287,577; Nov. 12. Class 23.

Hickey-Freeman Co., Rochester, N. Y. Men's suits. 281,208; Nov. 12. Class 39.

Home Trade Shoe Store, Inc., Minneapolis, Minn. Boots and shoes. 283,869; Nov. 12. Class 39.

Horton Manufacturing Company, The, Bristol, Conn. Steel shafts for golf clubs. 289,744; Nov. 12. Class 22.

India Rubber Review Company, The, Akron, Ohio. Periodicals. 290,704; Nov. 12. Class 38.

International Milling Company, doing business as Wells Flour Mills, Minneapolis and Wells, Minn. Wheat flour. 290,513; Nov. 12. Class 46.

International Proprietaries Incorporated, Dayton, Ohio. Liquid cold and cough preparation. 290,576; Nov. 12. Class 6.

Ironwood Manufacturing Company, Ironwood, Mich. Mops and dusting brushes. 286,781; Nov. 12. Class 29.

Isahey-Paris, Inc., New York, N. Y. Rouge and powder compacts. 289,026; Nov. 12. Class 6.

Jacobs, E. H. Manufacturing Company, Danielson, Conn. Lug straps. 290,368; Nov. 12. Class 23.

Jefferson Electric Company. (See Chicago Jefferson Fuse & Electric Co.)

Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. 289,973; Nov. 12. Class 39.

Jordan Motor Car Company, Inc., Cleveland, Ohio. Automobiles. 281,702; Nov. 12. Class 19.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Shoes. 281,087; Nov. 12. Class 39.

Katten, Arthur A., Co. Inc., New Orleans, La. Outer clothing. 289,117; Nov. 12. Class 39.

Katzin, Alexander, doing business as Rana Tea Co., New York, N. Y. Tea. 289,193; Nov. 12. Class 46.

Kaylon Incorporated, Troy and New York, N. Y. Shirts, pajamas, and underwear. 289,681; Nov. 12. Class 39.

Korn Fruit Co., Shafter, Calif. Fresh grapes. 290,468; Nov. 12. Class 46.

King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. 290,258; Nov. 12. Class 38.

Kings County Packing Company, Oakland, Calif. Canned fruits, canned vegetables. 290,469; Nov. 12. Class 46.

Knickerbocker Men's Shops, Inc., New York, N. Y. Neckwear, garters, pajamas, etc. 272,721; Nov. 12. Class 39.

Knox Hat Company, Inc., New York, N. Y. Hats, overcoats, coats and dresses. 288,966; Nov. 12. Class 39.

Koetter, Ida, doing business as White Pig Barbecue, Choteau Township, Madison County, Ill. Chili con carne, pies. 271,551; Nov. 12. Class 46.

Krause, William G., doing business as Mastro-L Laboratories, Detroit, Mich. Permanent-wave lotion. 288,599; Nov. 12. Class 6.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned tomatoes. 286,573; Nov. 12. Class 46.

Kutz, M., Company, Atlanta, Ga. Hats. 289,683; Nov. 12. Class 39.

Lakemill Textile Corporation, New York, N. Y. Woven piece goods. 289,075; Nov. 12. Class 42.

Lawrence, David, Publications. (See United States Daily Publishing Corporation, The.)

Lockhart Sales Corporation, Brooksville, Fla. Gold and silver plated monograms. 289,588; Nov. 12. Class 28.

Lotze, Gerhard H., doing business as Dutch Factory, Oakland, Calif. Cookies. 290,418; Nov. 12. Class 46.

Luden's Inc., Reading, Pa. Candy. 289,408; Nov. 12. Class 46.

Lycos Yeast Tablet Co., Limited, The, London, England. Yeast. 290,371; Nov. 12. Class 46.

Macfadden Publications, Inc., New York, N. Y. Magazine. 289,409; Nov. 12. Class 38.

Maison Amieux Freres, Societe Anonyme, Nantes-Chantenay, France. Canned fish and vegetables. 289,589; Nov. 12. Class 46.

Marshall Field & Company, Chicago, Ill. Sheets and pillowcases. 290,695; Nov. 12. Class 42.

Mastro-L Laboratories. (See Krause, William G.)

Masury-Young Company, Charlestown, Mass. Deodorants. 282,362; Nov. 12. Class 6.

McRoberts Drug Co., Inc., Atlanta, Ga. Preparation for the treatment of bronchitis. 289,283; Nov. 12. Class 6.

McRoberts Drug Co., Inc., Atlanta, Ga. Hypnotic preparation. 289,284; Nov. 12. Class 6.

Meyer, John C., Grape Juice Company, The, Silverton, Ohio. Grape juice and a maltless beverage compound. 279,678; Nov. 12. Class 45.

Metalcraft Corporation, The, St. Louis, Mo. Toys. 288,141; Nov. 12. Class 22.

Miglioretti Brothers, Baltimore, Md. Olive oil, canned tuna fish, coffee, etc. 275,233; Nov. 12. Class 46.

Miles, Lester H., Los Angeles, Calif. Creams. 288,758; Nov. 12. Class 6.

Miller, Barnett S., New York, N. Y. Chemical solution. 290,266; Nov. 12. Class 6.

Millis Advertising Company, Indianapolis, Ind. Trade publication. 278,799; Nov. 12. Class 38.

Moore, Vida L., doing business as Vida L. Moore Models, Inc., New York, N. Y. Stockings. 270,599; Nov. 12. Class 39.

N E A Service, Inc., Cleveland, Ohio. Title of a newspaper section. 285,467; Nov. 12. Class 38.

National Malt Extract Co. (See Fortgang, Irving.)

Nehl, Inc., Columbus, Ga. Maltless beverages and sirups and concentrates for making the same. 289,320; Nov. 12. Class 45.

Neison-Elmann Co., The, Chicago, Ill. Typewriter ribbons. 290,079; Nov. 12. Class 11.

Neison & Kuemmerling, Inc., Canton, Ohio. Periodical publication. 290,080; Nov. 12. Class 38.

Nesbitt Fruit Products, Inc., Los Angeles, Calif. Maltless beverages. 287,107; Nov. 12. Class 45.

New Republic, Incorporated, New York, N. Y. Periodical. 290,223; Nov. 12. Class 38.

Northern Illinois Cereal Company, Lockport, Ill. Rolled oats. 290,589; Nov. 12. Class 46.

Old Republic Malt Co. (See Bachrach-Feld Co., The.)

Omlin Company, Inc., Long Island City, N. Y. Tonic. 286,502; Nov. 12. Class 8.

Oppenheimer-Straus Company, The, Cincinnati, Ohio. Socks and stockings. 289,475; Nov. 12. Class 39.

Pacific Shade Cloth Company, Inc., The, Oakland, Calif. Shade cloths. 281,058; Nov. 12. Class 42.

Pan American Petroleum & Transport Company, Wilmington, Del. Gasoline, lubricating oils, and greases. 287,884; Nov. 12. Class 15.

Pape, Henry, Inc., Brooklyn, N. Y. Fruit preserves and jellies. 282,874; Nov. 12. Class 46.

Pastelo Company, Oakland, Calif. Shoe creams, pastes, polishes, etc. 284,894; Nov. 12. Class 4.

Peninsular Chemical Company, Tampa, Fla. Agricultural insecticides. 290,424; Nov. 12. Class 6.

Pickus, Morris L., doing business as The Compass Sales Co., Chicago, Ill. Pamphlets. 286,358; Nov. 12. Class 38.

Pioneer Fruit Co., The, San Francisco, Calif. Fresh deciduous fruits and fresh vegetables. 290,476; Nov. 12. Class 46.

Pittsburgh Food Prod. Co. (See Stewart, Jesse C., Co.)

Powell, Hanna M., doing business as Powell Distributing Company, Philadelphia, Pa. Water waver. 290,085; Nov. 12. Class 40.

Publicity Bureau for State Police, Inc., New York, N. Y. Periodical. 289,537; Nov. 12. Class 38.

Rana Tea Co. (See Katzin, Alexander.)

Rasmussen, Geo., Co., Chicago, Ill. Maltless beverages. 289,605; Nov. 12. Class 45.

Raytheon Production Corporation, Newton, Mass. Vacuum tubes, valves and television lamps. 288,087; Nov. 12. Class 21.

Reeves, Parvin & Co., Philadelphia, Pa. Canned tomatoes and ground pepper. 283,755; Nov. 12. Class 46.

Red Star Malt Co. (See Bachrach-Feld Co., The.)

Reichardt Cocoa & Chocolate Co., Inc., New York, N. Y. Cocoa. 285,572; Nov. 12. Class 46.

Rhodes Ranch Egg Company, The, Denver, Colo. Eggs. 289,840; Nov. 12. Class 46.

Richey, Alfred J., Miami, Fla. Fruits, vegetables and guava jelly. 271,824; Nov. 12. Class 46.

Richman, Abraham, Bronx, N. Y. Dried fruits. 288,816; Nov. 12. Class 46.

Rollinson, W. H., & Company, Incorporated, New York, N. Y. Cotton fabric. 290,377; Nov. 12. Class 42.

Roswell Company, The, Atlanta and Roswell, Ga. Trousers and shirts and suits, etc. 290,196; Nov. 12. Class 39.

Rust, Maximilian B., doing business as M. B. Rust Laboratories, Spokane, Wash. Liniment. 280,202; Nov. 12. Class 6.

Sardeson-Hoyland Co., Chicago, Ill. Suits, coats, capes, and cloaks. 289,542; Nov. 12. Class 39.

Saulsberry, Dora A., doing business as D. A. Saulsberry's Laboratory Co., Campbell, Ohio. Medical compound. 285,114; Nov. 12. Class 6.

Schacht, William F., doing business as Golden Arrow Farms, Huntington, Ind. Milk and live cattle. 285,717; Nov. 12. Class 46.

Schinks, J., doing business as City Bakery, El Dorado, Ark. Bread and biscuits. 289,696; Nov. 12. Class 46.

Schmidt Clothing Co. Inc., Utica, N. Y. Wearing apparel. 290,150; Nov. 12. Class 39.

Schuhle, Frank & Co., Philadelphia, Pa. Hats. 289,370; Nov. 12. Class 39.

Schramm & Schlegel Company, Burlington, Iowa. Overalls and work jackets. 285,941; Nov. 12. Class 39.

Seaboard Petroleum Corporation, Los Angeles, Calif. Gasoline, kerosene, fuel oil, etc. 272,623; Nov. 12. Class 15.

Sears, Roebuck and Co., Chicago, Ill. Gas ranges. 290,430; Nov. 12. Class 34.

Sears, Roebuck and Co., Chicago, Ill. Toy electric stoves. 290,613; Nov. 12. Class 22.

Shand and Jurs Co., Berkeley, Calif. Liquid-level controls, diaphragm valves, faucets, etc. 281,321; Nov. 12. Class 13.

Sharples Specialty Company, The, Philadelphia, Pa. Magazine and house organ. 290,378; Nov. 12. Class 38.

Simmons Company, New York, N. Y. Box springs. 290,273; Nov. 12. Class 32.

Simplex Shoe Manufacturing Company, Milwaukee, Wis. Boots and shoes. 289,649; Nov. 12. Class 39.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907)

Sonneborn, L. Sons, Inc., New York, N. Y. Lubricating oil. 290,153; Nov. 12. Class 15.

Sopshin, Morris, doing business as Colonnade Beverage Co., Norwalk, Conn. Maltless beverages and sirups for making the same. 261,286; Nov. 12. Class 45.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils. 288,922; Nov. 12. Class 15.

Standard Publishing Company, The, Cincinnati, Ohio. Magazine. 283,629; Nov. 12. Class 38.

Stanley Works, The, New Britain, Conn. Combination woodworking planes. 290,881; Nov. 12. Class 23.

Steinberg, Robert, New York, N. Y. Women's girdles. 279,246; Nov. 12. Class 39.

Sterngold Brothers, New York, N. Y. Dresses. 289,766; Nov. 12. Class 39.

Stewart, Jesse C., Co., doing business as Pittsburgh Food Prod. Co., Pittsburgh, Pa. Extract for making root beer. 284,090; Nov. 12. Class 45.

Stifel, J. L. & Sons, Wheeling, W. Va. Cotton-piece goods. 290,529; Nov. 12. Class 42.

Stoody Company, Whittier, Calif. Welding rods. 290,530; Nov. 12. Class 14.

Stuart, Jean, Cosmetics, Inc., New Haven, Conn. Skin cream, skin powder, bath salts, etc. 289,166; Nov. 12. Class 6.

Sturtevant, B. F., Company, Hyde Park, Mass. Electric motors, dynamos, and generating sets, etc. 289,768; Nov. 12. Class 21.

Sunshine, Jack, doing business as Sunshine Products Co., New York, N. Y. Prophylactic salve or ointment. 280,748; Nov. 12. Class 6.

Susquehanna Shirt Company, Philadelphia, Pa. Shirts. 290,002; Nov. 12. Class 39.

Sutter, E. L., St. Paul, Minn. Automobile heaters. 289,049; Nov. 12. Class 19.

Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Iron or steel alloys. 290,200; Nov. 12. Class 14.

Terry, Myrtle G., Bartlesville, Okla. Newspaper articles. 285,120; Nov. 12. Class 38.

Thomas, Ruth A., Swampscott, Mass. Neckties for men. 285,797; Nov. 12. Class 39.

Tingle, Margaret, Cleveland, Ohio. Cleansing powder. 286,283; Nov. 12. Class 4.

Tregoning, William C., doing business as Tregoning Laboratories, Wardner, Idaho. Ointment. 289,868; Nov. 12. Class 6.

Twisto Tubular Spaghetti Co. (See De Angelis, John L.)

Uhlemann Optical Co., Chicago, Ill. Lenses. 289,800; Nov. 12. Class 26.

Unbekannt, Carl, Hoboken, N. J. Staging ink. 289,554; Nov. 12. Class 11.

Union Paper & Twine Company of Michigan, The, Detroit, Mich. Bond paper. 289,856; Nov. 12. Class 37.

United Drug Company, Boston, Mass. Playing cards. 290,629; Nov. 12. Class 22.

United Engineering & Foundry Company, Pittsburgh, Pa. Rolling-mill rolls. 290,202; Nov. 12. Class 23.

United Malt Company, Cincinnati, Ohio. Materials to be used in place of sugar for beverages. 246,516; Nov. 12. Class 46.

United States Daily Publishing Corporation, The, doing business as David Lawrence Publications, Washington, D. C. Periodical. 290,226; Nov. 12. Class 38.

United States Talking Film Corp., Chicago, Ill. Talking machines. 284,707; Nov. 12. Class 86.

Utica Cutlery Company, Utica, N. Y. Metal knife racks. 281,040; Nov. 12. Class 13.

Vandam, Albert H., Co. Inc., New York, N. Y. Cotton, silk, and madras piece goods, etc. 287,896; Nov. 12. Class 42.

Vitosol Corporation, The, New York, N. Y. Preparation for the relief of epilepsy. 284,318; Nov. 12. Class 6.

Vulcan Match Co., Inc., New York, N. Y. Matchboxes. 289,912; Nov. 12. Class 9.

Wayland-Lloyd Co., Inc., Providence, R. I. Dyestuffs and softeners. 288,825; Nov. 12. Class 6.

Welco Storage Battery Company. (See Campbell, A. B.)

Wells Flour Mills. (See International Milling Company.)

Western Leather Belting Company, Salt Lake City, Utah. Leather belting. 289,773; Nov. 12. Class 36.

Western Leather Belting Company, Salt Lake City, Utah. Leather belting. 289,773-7; Nov. 12. Class 36.

Wilcolator Company, The, Newark, N. J. Device for purifying, humidifying, and conditioning the atmosphere. 290,820; Nov. 12. Class 34.

Willard, W. E., & Company, Inc., New York, N. Y. Publication. 283,073; Nov. 12. Class 38.

Winebrener & Cramer, Inc., Frederick, Md. Roasted coffee. 290,840; Nov. 12. Class 46.

White Luggage Co., Inc., New York, N. Y. Hatboxes. 283,248; Nov. 12. Class 8.

White Pig Barbecue. (See Koetter, Ida.)

White, R. H., Company, Boston, Mass. Hats. 290,050; Nov. 12. Class 39.

Zeloid Products Corporation, Inc., Holyoke, Mass. Material in sheets, rolls, and folds. 288,044; Nov. 12. Class 37.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Barrel lining (pitch). Ernst Zobel Company. 263,898-9; Nov. 12; Serial Nos. 285,432-3; published Aug. 13, 1929.

Coal. Crystal City Fuel & Oil Co. 263,894; Nov. 12; Serial No. 286,159; published Aug. 27, 1929.

Coal. Dixie Coal Company. 263,781; Nov. 12; Serial No. 284,902; published Aug. 20, 1929.

Coal. Old Ben Coal Corporation. 263,780; Nov. 12; Serial No. 284,916; published Aug. 8, 1929.

Coal. Pittsburgh Coal Company of Wisconsin. 263,788; Nov. 12; Serial No. 283,967; published Aug. 27, 1929.

Coal. Pittsburgh Coal Company of Wisconsin. 263,789; Nov. 12; Serial No. 283,804; published Aug. 27, 1929.

Coal. Sheridan-Wyoming Coal Company. 263,796; Nov. 12; Serial No. 280,621; published Aug. 13, 1929.

Coal and coke. White Brothers. 263,795; Nov. 12; Serial No. 280,969; published Aug. 27, 1929.

Coal, soft. W. G. Morton. 75,211; renewed Sept. 14, 1929.

Coke. Koppers Company. 263,927; Nov. 12; Serial No. 269,026; published Aug. 13, 1929.

Flowers. G. A. Crawbuck. 263,902; Nov. 12; Serial No. 285,071; published Aug. 6, 1929.

Grits, poultry. Limestone Products Corporation of America. 263,926; Nov. 12; Serial No. 270,031; published Aug. 20, 1929.

Ice, manufactured. H. A. Drane. 263,792; Nov. 12; Serial No. 282,980; published Aug. 13, 1929.

Latex compositions. Naugatuck Chemical Company. 263,897; Nov. 12; Serial No. 285,873; published Aug. 20, 1929.

Leather. Keystone Reptile Tanners. 263,746; Nov. 12; Serial No. 276,141; published Aug. 6, 1929.

Leather. A. C. Lawrence Leather Company. 263,908-4; Nov. 12; Serial Nos. 285,419-20; published Aug. 6, 1929.

Muskat furs, dyed. Kotky Bros. Inc. 263,798; Nov. 12; Serial No. 282,189; published Aug. 20, 1929.

Poultry grits. Limestone Products Corporation of America. 263,924-5; Nov. 12; Serial Nos. 270,033-4; published Aug. 20, 1929.

Resins and rubber. Siemens-Schuckertwerke Aktiengesellschaft. 263,865; Nov. 12; Serial No. 255,962; published Aug. 20, 1929.

388 O. G.—34a

CLASS 2

Resins and rubber. Siemens-Schuckertwerke Aktiengesellschaft. 263,863; Nov. 12; Serial No. 258,552; published Aug. 20, 1929.

Sheets, rods, tubes, etc. Celluloid Corporation. 263,787; Nov. 12; Serial No. 284,110; published Aug. 20, 1929.

CLASS 3

Cans, metal. Continental Can Co. 76,433; renewed Jan. 18, 1930.

Receptacles, certain milk. P. R. Ziegler. 77,350; renewed Mar. 29, 1930.

Currycombs, buggy whips, and horse collars. Norvell-Shapleigh Hardware Company. 77,261; renewed Mar. 22, 1930.

Hardware, saddlers' and harness-makers'. North and Judd Manufacturing Company. 75,386; renewed Sept. 21, 1929.

Harness hardware, certain. Eberhard Manufacturing Company. 77,205-09; renewed Mar. 22, 1930.

CLASS 4

Chemical compounds, soluble. Cowles Detergent Company. 263,834; Nov. 12; Serial No. 286,558; published Aug. 20, 1929.

Cleaner and polisher. Midland Chemical Laboratories, Inc. 263,842; Nov. 12; Serial No. 285,583; published Aug. 20, 1929.

Cleaners, dressings, polishes, etc. United Shoe Machinery Corporation. 263,837; Nov. 12; Serial No. 286,400; published Aug. 27, 1929.

Cleaners, liquid dry. Emergine Company. 263,838; Nov. 12; Serial No. 286,235; published Aug. 20, 1929.

Cleaners, liquid dry. Emergine Company. 263,839; Nov. 12; Serial No. 286,232; published Aug. 27, 1929.

Cleaning fluid. C. Petrouleas. 263,887; Nov. 12; Serial No. 270,261; published Aug. 20, 1929.

Cleaning powder. Hygienic Products Company. 263,929; Nov. 12; Serial No. 282,783; published Aug. 20, 1929.

Cleansing compound. U. S. Sanitary Specialties Corporation. 263,843; Nov. 12; Serial No. 285,395; published Aug. 20, 1929.

Cream, shaving. Burma-Vita Company. 263,999; Nov. 12; Serial No. 286,922; published Aug. 27, 1929.

Cream, Shaving. William A. Webster Company. 263,921; Nov. 12; Serial No. 282,214; published Aug. 27, 1929.
 Cream, Shaving. William A. Webster Company. 264,001; Nov. 12; Serial No. 286,699; published Aug. 20, 1929.
 Cream, Shaving. William A. Webster Company. 264,002; Nov. 12; Serial No. 286,703; published Aug. 20, 1929.
 Dressings. Beckwith-Chandler Company. 263,997-8; Nov. 12; Serial Nos. 286,812-13; published Aug. 20, 1929.
 Dressings. Beckwith-Chandler Company. 264,003; Nov. 12; Serial No. 286,811; published Aug. 20, 1929.
 Oil, Neat's-foot. F. S. Walton Company. 75,565; renewed Oct. 19, 1929.
 Polishes. Silver. V. Vivaudon, Inc. 263,833; Nov. 12; Serial No. 286,698; published Aug. 27, 1929.
 Powder for cleaning brushes. S. E. Howard's Son & Co. 75,455; renewed Oct. 5, 1929.
 Soap. Colgate-Palmolive-Peet Company. 263,830; Nov. 12; Serial No. 282,917; published Aug. 27, 1929.
 Soap. Colgate-Palmolive-Peet Company. 263,860; Nov. 12; Serial No. 282,916; published Aug. 27, 1929.
 Soap composition. Beach Soap Company. 263,836; Nov. 12; Serial No. 286,472; published Aug. 20, 1929.
 Soap flakes. Procter & Gamble Company. 263,874; Nov. 12; Serial No. 285,692; published Aug. 27, 1929.
 Soap. Hand. I. Király. 263,885; Nov. 12; Serial No. 274,832; published Aug. 27, 1929.
 Soap, Laundry, toilet, and scouring. James S. Kirk & Company. 76,449; renewed Jan. 18, 1930.
 Soap with other detergent materials. Mixture of. Mitchell Wing Company. 263,913; Nov. 12; Serial No. 284,481; published Aug. 27, 1929.
 Strops. Leather. Zip, Inc. 263,876; Nov. 12; Serial No. 264,628; published Aug. 20, 1929.
 Toilet articles and preparations. Roger & Gallet. 33,093; renewed June 20, 1929.
 Washing powder. Hand. J. L. Harris. 264,000; Nov. 12; Serial No. 286,935; published Aug. 20, 1929.
 Waterproofing material. Chippewa Falls Specialties Company. 263,928; Nov. 12; Serial No. 282,223; published Aug. 20, 1929.

CLASS 6

Calcium carbide blocks or cakes. C. C. Wakefield & Company. 77,168; renewed Mar. 15, 1930.
 Cosmetic compounds. J. A. Brown. 33,737; renewed Nov. 14, 1929.
 Creams, Dental. E. Cudlipp. 76,965; renewed Mar. 1, 1930.
 Dentifrices, mouth washes, dental and medical antiseptics, etc. Antidolor Mfg. Co. 263,774; Nov. 12; Serial No. 282,093; published Aug. 20, 1929.
 Dyestuffs, lakes, and chemical products. Geigy Company. 263,767; Nov. 12; Serial No. 284,453; published Aug. 20, 1929.
 Fungicides. Roessler & Hasslacher Chemical Company. 263,866; Nov. 12; Serial No. 283,222; published July 2, 1929.
 Hair tonic, facial creams, and lotions. Green Stripe Chains. 263,768; Nov. 12; Serial No. 284,332; published Aug. 20, 1929.
 Insecticides, fungicides, and germicides. Sherwin-Williams Company. 263,943-4; Nov. 12; Serial Nos. 286,659-60; published Aug. 20, 1929.
 Liniment. J. S. Merrell Drug Company. 74,860; renewed Aug. 17, 1929.
 Liniment. Wyeth Chemical Company. 263,762; Nov. 12; Serial No. 284,922; published Aug. 20, 1929.
 Medical preparation. Research Products Corporation. 263,779; Nov. 12; Serial No. 284,927; published Aug. 20, 1929.
 Medicinal preparation. Cerecedo Hnos. & Co. Sucrs. 263,931; Nov. 12; Serial No. 286,156; published Aug. 20, 1929.
 Medicine and toilet preparations. Mexican Amole Soap Co. 75,255; renewed Sept. 14, 1929.
 Medicine for cancer. R. A. Watson. 263,772; Nov. 12; Serial No. 283,071; published Aug. 20, 1929.
 Medicine for chronic rheumatism, cleaning blood, etc. S. Gawronski. 263,765; Nov. 12; Serial No. 284,806; published Aug. 20, 1929.
 Medicine for cleaning blood, laxative, chronic constipation, etc. S. Gawronski. 263,784; Nov. 12; Serial No. 284,807; published Aug. 20, 1929.
 Mouth washes, beef, iron, and wine, dental creams, toilet waters, etc. William A. Webster Company. 263,763; Nov. 12; Serial No. 284,885; published Aug. 20, 1929.
 Ointments, suppositories, and pessaries, etc. Menley & James Limited, New York. 263,773; Nov. 12; Serial No. 282,933; published Aug. 20, 1929.
 Preparation for creating a sun-tanned complexion, etc. Max Factor & Co. 263,770; Nov. 12; Serial No. 283,331; published Aug. 13, 1929.
 Preparation for destroying moths. W. A. Frost Mystic Co. 263,867; Nov. 12; Serial No. 268,365; published Aug. 20, 1929.
 Preparation to be applied to the face, neck, etc., to give a tanned appearance. Helena Rubinstein, Inc. 263,775; Nov. 12; Serial No. 279,562; published Aug. 20, 1929.
 Preparation to be used as a drink. S. S. Bublin. 263,890; Nov. 12; Serial No. 285,846; published Aug. 20, 1929.
 Remedy for colds and gripe. Zymole Company. 76,953; renewed Mar. 1, 1930.
 Salve. Nettie Canary. 75,761; renewed Nov. 16, 1929.

Soda, saleratus, and baking powder. Baking. Church Dwight Company. 76,711; renewed Feb. 8, 1930.
 Tonic, General. L. G. Reza. 263,766; Nov. 12; Serial No. 284,695; published Aug. 20, 1929.
 Tonic, General medicinal herb. J. B. Gagnon. 263,893; Nov. 12; Serial No. 285,510; published Aug. 20, 1929.
 Tonic pills. Mitsunwa Co. 263,771; Nov. 12; Serial No. 283,132; published Aug. 20, 1929.

CLASS 7

Cord, twine, rope, bell ropes and clothesline, Sash. Puritan Cordage Mills. 76,156; renewed Dec. 21, 1929.
 Twine. American Net & Twine Company. 263,790; Nov. 12; Serial No. 286,971; published Aug. 20, 1929.

CLASS 8

Ash receptacles and cigarette extinguishers. De Luxe Products Manufacturing Co. 263,827; Nov. 12; Serial No. 285,965; published Sept. 3, 1929.
 Cigarette paper and cigarette tubes. General-Direktion der Oesterr. Tabakregie. 263,975-9; Nov. 12; Serial Nos. 287,244-8; published Sept. 3, 1929.
 Cigarette paper and tubes. General-Direktion der Oesterr. Tabakregie. 263,986; Nov. 12; Serial No. 287,243; published Sept. 3, 1929.
 Pipes, Smoking. A. J. Mauro. 263,963; Nov. 12; Serial No. 286,126; published Sept. 3, 1929.

CLASS 9

Firecrackers. Li & Fung. 263,800; Nov. 12; Serial No. 286,830; published Sept. 3, 1929.

CLASS 11

Inked ribbons and carbon paper. Columbia Carbon Company. 263,955; Nov. 12; Serial No. 287,117; published Sept. 3, 1929.

CLASS 12

Asphalt roll roofing. Ruberoid Co. 263,905; Nov. 12; Serial No. 285,690; published Aug. 6, 1929.
 Asphaltic roofing and roofing plastics. United Roofers Incorporated. 263,909; Nov. 12; Serial No. 285,486; published Aug. 6, 1929.
 Cement, Building. Lawrence Portland Cement Company. 263,895; Nov. 12; Serial No. 286,122; published Aug. 27, 1929.
 Cement, Calking. Durable Products Company. 263,797; Nov. 12; Serial No. 278,094; published Aug. 20, 1929.
 Cement, Portland. International Cement Corporation. 263,796; Nov. 12; Serial No. 284,265; published Aug. 13, 1929.
 Cement, Portland. Pennsylvania-Dixie Cement Corporation. 263,880; Nov. 12; Serial No. 262,527; published Aug. 13, 1929.
 Cement, Portland and oil-well. Yosemite Portland Cement Corporation. 263,906-8; Nov. 12; Serial Nos. 285,127-9; published Aug. 20, 1929.
 Chutes and steel windows. Foundation coal. W. H. Taylor Company. 263,900; Nov. 12; Serial No. 285,766; published Aug. 20, 1929.
 Composition roofing materials. Atlanta Gaslight Co. 263,871; Nov. 12; Serial No. 267,737; published Aug. 6, 1929.
 Packing compound. Ebbesen & Company. 263,798; Nov. 12; Serial No. 277,004; published Aug. 13, 1929.
 Lath, Wood. W. B. Few. 263,782; Nov. 12; Serial No. 284,850; published Aug. 20, 1929.
 Lime, Building. Ash Grove Lime & Portland Cement Co. 263,901; Nov. 12; Serial No. 285,143; published Aug. 20, 1929.
 Metal and wire mesh. L. R. MacKenzie. 263,785; Nov. 12; Serial No. 284,359; published Aug. 20, 1929.
 Mineral wool. Coast Insulating Company. 263,783; Nov. 12; Serial No. 284,442; published Aug. 13, 1929.
 Mortar colors. Dry. Geo. S. Mepharm & Co. 76,401; renewed Jan. 11, 1930.
 Road surfacing material. Limestone Products Corporation of America. 263,739; Nov. 12; Serial No. 270,341; published Aug. 20, 1929.
 Shingles, Wood. St. Paul and Tacoma Lumber Co. 263,784; Nov. 12; Serial No. 284,369; published Aug. 13, 1929.
 Stone. Algonite Stone Manufacturing Company. 263,896; Nov. 12; Serial No. 286,006; published Aug. 27, 1929.
 Tiles, Clay. Franklin Pottery Inc. 263,790; Nov. 12; Serial No. 283,111; published Aug. 20, 1929.
 Tiles, Wall and floor. Franklin Pottery (Inc.) 263,791; Nov. 12; Serial No. 283,109; published Aug. 13, 1929.
 Wall board or insulating board. Wm. H. Rankin Company. 263,825; Nov. 12; Serial No. 268,631; published Aug. 13, 1929.

CLASS 13

Closet tanks, closet seats, and seat covers. American Sanitary Works. 75,550; renewed Oct. 19, 1929.
 Fasteners, Separable. Hookless Fastener Company. 263,869; Nov. 12; Serial No. 245,439; published Sept. 6, 1929.
 Wire fence and barbed-wire. Keystone Steel & Wire Company. 76,791; renewed Feb. 15, 1930.

CLASS 14

Alloys and metal aggregate compositions and metals. Fifth-Sterling Steel Company. 263,880; Nov. 12; Serial No. 287,292; published Aug. 27, 1929.

Anvils. Illinois Iron & Bolt Company. 75,084; renewed Aug. 31, 1929.
 Metal composition, an alloy. Hard. Ludlum Steel Company. 264,018; Nov. 12; Serial No. 280,132; published Sept. 3, 1929.
 Metallic wire and metallic ribbons. Uninsulated. Driver-Harris Wire Co. 77,040-50; renewed Mar. 8, 1930.
 Metals. N. Greening & Sons, Limited. 263,919; Nov. 12; Serial No. 283,863; published Aug. 27, 1929.
 Steel plates, bars, and shapes. Laminated. Crucible Steel Company of America. 76,414; renewed Jan. 11, 1930.

CLASS 15

Oils and greases, Lubricating. American Oil Works Co. 263,882; Nov. 12; Serial No. 261,933; published Aug. 14, 1928.

CLASS 16

Cleaning and polishing liquid. Liquid Veneer Corporation. 263,984; Nov. 12; Serial No. 286,785; published Sept. 3, 1929.
 Enamel. Holzapfels Limited. 77,158; renewed Mar. 15, 1930.
 Enamels and varnishes. Keystone Varnish Company. 76,718; renewed Feb. 8, 1930.
 Paint and rubber paint. W. P. Fuller & Co. 263,965; Nov. 12; Serial No. 285,969; published Sept. 3, 1929.
 Paint for metals. Acid-proof, gasoline-resistant, rust-inhibitive. Chemical Products Company. 264,014; Nov. 12; Serial No. 280,892; published Sept. 3, 1929.
 Paint, plaster boards, primers, etc. Elco Paint Products Inc. 263,755; Nov. 12; Serial No. 276,953; published Sept. 3, 1929.
 Paints, paint enamels, and varnishes. D. J. McCruden, Jr. 263,757; Nov. 12; Serial No. 275,062; published Feb. 5, 1929.
 Paints, varnishes, enamels, etc. House. Taubman Automotive Co. 263,824; Nov. 12; Serial No. 268,648; published Sept. 3, 1929.
 Paints, varnishes, and lacquers. Vallé Company. 263,966; Nov. 12; Serial No. 285,699; published Aug. 27, 1929.
 Polish, Auto and furniture. H. Shield. 263,876; Nov. 12; Serial No. 265,123; published July 24, 1928.
 Product in the nature of a paint or varnish. Chester F. Gailor, Inc. 263,829; Nov. 12; Serial No. 285,077; published Sept. 3, 1929.
 Size and painter's sizing. Wall-painter's. Patent Cereals Co. 263,920; Nov. 12; Serial No. 281,682; published Sept. 3, 1929.
 Varnishes. Wadsworth, Howland & Co. 77,181-2; renewed Mar. 15, 1930.
 Wax polishing compound. Diamond Wax Company. 263,918; Nov. 12; Serial No. 284,169; published Sept. 3, 1929.

CLASS 17

Cigarettes. B. Timmel. 264,027; Nov. 12; Serial No. 278,080; published Sept. 3, 1929.
 Cigarettes, cigars, and tobacco. F. J. McCann Packing Co. Inc. 263,962; Nov. 12; Serial No. 286,448; published Aug. 20, 1929.
 Cigars. H. Traiser & Company. 75,386; renewed Sept. 28, 1929.
 Cigars. Henry Traiser & Co. 76,058; renewed Dec. 7, 1929.
 Cigars, cigarettes, and tobacco, Perfumed. K. G. Hadjileff. 263,960; Nov. 12; Serial No. 286,632; published Aug. 20, 1929.

CLASS 20

Linoleum. Carthage Mills Incorporated. 263,831; Nov. 12; Serial No. 285,330; published Sept. 3, 1929.

CLASS 22

Fishing tackle. Norvell-Shapleigh Hardware Company. 76,455; renewed Jan. 15, 1930.
 Fishing trols and artificial casting baits. Hartung Bros. & Co. 74,174; renewed June 22, 1929.
 Golf balls. A. G. Spalding & Bros. 77,018; renewed Mar. 1, 1930.
 Sporting goods. Certain. Wright & Dixon. 76,336; renewed Jan. 4, 1930.

CLASS 23

Devices for indicating the absence of books from their accustomed places. J. E. Kinney. 263,748; Nov. 12; Serial No. 275,448; published Sept. 3, 1929.
 Fire-extinguishing apparatus and parts thereof. American-La France and Foamite Corporation. 264,016; Nov. 12; Serial No. 282,628; published Sept. 3, 1929.
 Implements, Farm. Montgomery Ward & Co. 264,029; Nov. 12; Serial No. 286,648; published Sept. 3, 1929.
 Knives, shears, and blades. Hyde Manufacturing Company. 263,969; Nov. 12; Serial No. 286,777; published Sept. 3, 1929.
 Machinery and tools such as are used by jewelers, etc., also parts, supplies, and cutlery. Linck, Green & Reed, Inc. 263,783; Nov. 12; Serial No. 285,867; published Sept. 3, 1929.
 Machinery, fishing tools, steam engines, etc. Well-drilling. Doherty Stone Drill Company. 264,018-20; Nov. 12; Serial Nos. 284,971-3; published Sept. 3, 1929.
 Machines, Check-endorsing. Endorsograph Company. 263,968; Nov. 12; Serial No. 286,686; published Sept. 3, 1929.

Mowers, Lawn. Worcester Lawn Mower Company. 263,972; Nov. 12; Serial No. 287,101; published Sept. 3, 1929.
 Saws. Simonds Saw and Steel Company. 263,982; Nov. 12; Serial No. 286,600; published Sept. 3, 1929.
 Sharpeners and stroppers. Mechanical razor. I. J. Shapiro. 263,970; Nov. 12; Serial No. 286,789; published Sept. 3, 1929.
 Tableware. Western States Cutlery and Manufacturing Company. 263,750; Nov. 12; Serial No. 274,861; published Sept. 3, 1929.
 Tools for driving glazier points. Landon P. Smith, Inc. 263,729; Nov. 12; Serial No. 286,208; published Sept. 3, 1929.
 Typewriters, Attachment for. Florida Copy-Writing Corporation. 263,717; Nov. 12; Serial No. 287,342; published Sept. 3, 1929.
 Water-softening systems and parts thereof. Elgin Softener Corporation. 264,017; Nov. 12; Serial No. 283,102; published Sept. 3, 1929.
 Wrenches. L. V. Aronson. 77,284; renewed Mar. 29, 1930.

CLASS 26

Film, Photographic. Eastman Kodak Company. 263,708; Nov. 12; Serial No. 287,573; published Sept. 3, 1929.
 Film, Photographic. Eastman Kodak Company. 263,709-15; Nov. 12; Serial Nos. 287,565-71; published Sept. 3, 1929.
 Film, Photographic. Eastman Kodak Company. 263,716; Nov. 12; Serial No. 287,563; published Sept. 3, 1929.
 Film, Photographic. Eastman Kodak Company. 263,728; Nov. 12; Serial No. 287,564; published Sept. 3, 1929.
 Film, Photographic. Eastman Kodak Company. 263,974; Nov. 12; Serial No. 287,572; published Sept. 3, 1929.
 Motion pictures, motion-picture films, etc. Imperial Pictures Incorporated. 263,737; Nov. 12; Serial No. 285,156; published Sept. 3, 1929.

CLASS 27

Clocks and watches. Western Clock Company. 263,780; Nov. 12; Serial No. 286,095; published Sept. 3, 1929.
 Watchcases. Star Watch Case Co. 263,981; Nov. 12; Serial No. 287,676; published Sept. 3, 1929.

CLASS 29

Brushes, Toilet. Howard Brush Company. 75,725-6; renewed Nov. 9, 1929.

CLASS 32

Bed springs, cots, day beds, and couch-hammock swings. Anchor Spring & Bedding Company. 263,749; Nov. 12; Serial No. 275,094; published Sept. 3, 1929.
 Carpet cushions and seat cushions, Hair-felt. American Hair & Felt Company. 263,747; Nov. 12; Serial No. 275,816; published Sept. 3, 1929.
 Furniture, Household and office. Bony Incorporated. 263,861; Nov. 12; Serial No. 268,911; published Sept. 3, 1929.
 Mattresses. R. C. Heller Co. 263,732; Nov. 12; Serial No. 285,917; published Sept. 3, 1929.
 Mattresses. Royal Bedding Company. 263,973; Nov. 12; Serial No. 287,217; published Sept. 3, 1929.
 Mattresses, pillows, and cushions. Penfield Manufacturing Company. 76,494; renewed Jan. 18, 1930.

CLASS 34

Stores. F. A. Klaine. 76,719; renewed Feb. 8, 1930.

CLASS 35

Brake linings. Albestos Corporation. 263,734; Nov. 12; Serial No. 285,724; published Sept. 3, 1929.
 Tires, inner tubes, tire patches, etc. Service Station Supply Company. 263,786; Nov. 12; Serial No. 285,693; published Sept. 3, 1929.

CLASS 37

Announcement book and cover papers. Rising Paper Company. 263,928; Nov. 12; Serial No. 280,136; published Aug. 20, 1929.
 Bond paper. Oregon Pulp and Paper Company. 263,807; Nov. 12; Serial No. 286,266; published Aug. 27, 1929.
 Business forms. P. H. Keays. 263,844; Nov. 12; Serial No. 285,857; published Aug. 20, 1929.
 Paper and envelopes, particularly papeteries, Writing. Z. & W. M. Crane, Inc. 263,835; Nov. 12; Serial No. 286,638; published Aug. 27, 1929.
 Paper and mailing envelopes, Book, text, and cover. Strathmore Paper Company. 263,850; Nov. 12; Serial No. 287,027; published Aug. 27, 1929.
 Paper and paper napkins, Toilet. Mutual Stores, Inc. 263,877; Nov. 12; Serial No. 264,499; published Oct. 9, 1928.
 Paper, Blotting. Albemarle Paper Manufacturing Company. 77,115; renewed Mar. 8, 1930.
 Paper, Bond. White & Wyckoff Manufacturing Company. 264,006; Nov. 12; Serial No. 287,168; published Aug. 27, 1929.
 Paper, Safety. Gurney Security Paper Company. 263,886; Nov. 12; Serial No. 270,930; published Aug. 27, 1929.
 Paper, Wall. Becker, Smith & Page, Incorporated. 263,841; Nov. 12; Serial No. 285,904; published Aug. 20, 1929.

Paper, Wax. Regal Paper Company. 263,856; Nov. 12; Serial No. 284,079; published Aug. 27, 1929.
 Papeteries, Bristol board, paper and cards. Strathmore Paper Company. 263,847; Nov. 12; Serial No. 287,028; published Aug. 27, 1929.
 Pencils, Lead. American Lead Pencil Company. 263,840; Nov. 12; Serial No. 286,218; published Aug. 27, 1929.
 Pens. British Pens Limited. 263,912; Nov. 12; Serial No. 277,890; published Apr. 30, 1929.
 Pens and pencils. H. R. Thomas. 263,914; Nov. 12; Serial No. 284,023; published Aug. 27, 1929.
 Tablet covers. Kalamazoo Stationery Company. 263,922; Nov. 12; Serial No. 281,300; published Aug. 27, 1929.
 Tablets, Writing. Montag Brothers. 75,006; renewed Aug. 24, 1929.
 Tablets, Writing. Montag Brothers. 75,210; renewed Sept. 14, 1929.
 Toilet paper. Peerless Paper Mills, Inc. 263,805; Nov. 12; Serial No. 286,335; published Aug. 27, 1929.
 Writing paper and envelopes, and particularly papeteries. Z. and W. M. Crane, Inc. 263,801; Nov. 12; Serial No. 286,534; published Aug. 27, 1929.

CLASS 38

Booklets. William H. Miner Foundation. 263,707; Nov. 12; Serial No. 285,215; published Aug. 27, 1929.
 Books. American Social Registry, Inc. 263,879; Nov. 12; Serial No. 262,887; published Aug. 27, 1929.
 Books, Series of printed. P. M. Ogilvie. 263,700; Nov. 12; Serial No. 285,590; published Aug. 20, 1929.
 Journal, Monthly. M. H. Rockhill. 263,699; Nov. 12; Serial No. 285,689; published Aug. 20, 1929.
 Magazine. American Builder Publishing Corporation. 263,817; Nov. 12; Serial No. 283,166; published Aug. 27, 1929.
 Magazine. MacNair-Dorland Company. 263,702; Nov. 12; Serial No. 285,581; published Aug. 20, 1929.
 Magazine. National Waterways Publishing Company. 263,701; Nov. 12; Serial No. 285,580; published Aug. 27, 1929.
 Magazine. Roller Fanciers Corporation. 263,813; Nov. 12; Serial No. 285,827; published Aug. 27, 1929.
 Magazine. Sportsman Guild, Inc. 263,705; Nov. 12; Serial No. 285,390; published Aug. 20, 1929.
 Magazines. Hound & Horn, Incorporated. 263,818; Nov. 12; Serial No. 282,781; published Aug. 27, 1929.
 Magazines. Hound & Horn, Incorporated. 263,859; Nov. 12; Serial No. 282,782; published Aug. 27, 1929.
 Newspaper section. J. R. Hornady. 263,703; Nov. 12; Serial No. 285,566; published Aug. 20, 1929.
 Periodical. Aeronautical World Publishing Company. 263,888; Nov. 12; Serial No. 272,244; published Aug. 27, 1929.
 Periodical. American Geographical Society of New York. 263,704; Nov. 12; Serial No. 285,437; published Aug. 20, 1929.
 Periodical. Danger Trail, Inc. 263,967; Nov. 12; Serial No. 275,101; published Aug. 20, 1929.
 Periodical. J. Hamilton. 263,802; Nov. 12; Serial No. 286,489; published Aug. 27, 1929.
 Periodical. Publishers' Fiscal Corporation. 263,698; Nov. 12; Serial No. 285,823; published Aug. 20, 1929.
 Periodical. Ramer Reviews, Inc. 264,005; Nov. 12; Serial No. 285,824; published Aug. 20, 1929.
 Periodical. Sportsman Pilot, Inc. 263,852; Nov. 12; Serial No. 284,645; published Aug. 20, 1929.
 Periodical. Monthly. Vickery & Hill Publishing Co. 76,319; renewed Jan. 4, 1930.
 Publication. S. J. Beer. 263,816; Nov. 12; Serial No. 284,156; published Aug. 20, 1929.
 Publication. Fisher Scientific Company. 263,996; Nov. 12; Serial No. 285,023; published Aug. 20, 1929.
 Publication. National Society of the Sons and Daughters of the Pilgrims. 263,761; Nov. 12; Serial No. 280,935; published Aug. 20, 1929.
 Publication. Synthetic Nitrogen Products Corporation. 263,814; Nov. 12; Serial No. 285,757; published Aug. 27, 1929.
 Publications. Cornstalk Products Company. 263,815; Nov. 12; Serial No. 284,523; published Aug. 20, 1929.
 Publications. Gernsback Publications, Inc. 263,706; Nov. 12; Serial No. 285,265; published Aug. 27, 1929.
 Publications. Marsh & Truman Lumber Company. 263,760; Nov. 12; Serial No. 281,806; published Aug. 20, 1929.
 Title of a monthly journal. Display Publishing Co. 263,759; Nov. 12; Serial No. 282,597; published Aug. 27, 1929.

CLASS 39

Articles of clothing for women. Deja, Inc. 263,696; Nov. 12; Serial No. 285,534; published Aug. 27, 1929.
 Berets. Hanky Beret, Inc. 263,693; Nov. 12; Serial No. 286,051; published Aug. 13, 1929.
 Boots and shoes. S. Elkind. 263,870; Nov. 12; Serial No. 263,846; published Sept. 3, 1929.
 Boots and shoes. Endicott Johnson Corporation. 263,697; Nov. 12; Serial No. 285,501; published Aug. 27, 1929.
 Boots and shoes. Endicott Johnson Corporation. 263,682; Nov. 12; Serial No. 285,500; published Aug. 27, 1929.
 Boots and shoes. Hagerstown Shoe and Legging Co. 263,868; Nov. 12; Serial No. 267,539; published Oct. 23, 1928.

Boots and shoes. La Londe & Clarke, Inc. 263,745; Nov. 12; Serial No. 271,898; published Aug. 27, 1929.
 Boots and shoes, etc. Leather, rubber, duck. L. L. Bean. 263,864; Nov. 12; Serial No. 255,695; published Jan. 31, 1928.
 Boots, shoes, and slippers. E. W. Durkee Last Co. 263,990; Nov. 12; Serial No. 283,099; published Aug. 13, 1929.
 Boots, shoes, and slippers. H. W. Hanan. 263,947; Nov. 12; Serial No. 286,244; published Aug. 13, 1929.
 Boots, shoes, and slippers. Albert H. Weinbrenner Co. 263,937-8; Nov. 12; Serial No. 285,002-3; published Aug. 20, 1929.
 Boots, shoes, and slippers. Woodbury Shoe Mfg. Co. 263,936; Nov. 12; Serial No. 285,064; published Aug. 13, 1929.
 Brassieres, girdles, garter belts, and corsets. Platt's. 264,025; Nov. 12; Serial No. 284,312; published Aug. 27, 1929.
 Caps for men and boys. Soboroff-Rosenwald Company. 263,826; Nov. 12; Serial No. 268,488; published Aug. 13, 1929.
 Clothing. Dallet and Weyl. 75,933; renewed Nov. 30, 1929.
 Clothing, overcoats, topcoats, and suits. Men's. Eagle Clothes. 263,955; Nov. 12; Serial No. 287,286; published Aug. 27, 1929.
 Coats, jackets, aviation helmets, knickers, etc. Leather. Metropolitan Hygrade Clothing Mfg. Co. 263,692; Nov. 12; Serial No. 286,080; published Aug. 27, 1929.
 Coats, suits, hats, etc. James McCreery & Company. 263,980; Nov. 12; Serial No. 281,676; published Aug. 13, 1929.
 Corsets. Chas. A. Stevens & Bros. 76,738; renewed Feb. 15, 1930.
 Dresses and coats. James H. Dunham & Co. 263,994; Nov. 12; Serial No. 284,607; published Sept. 3, 1929.
 Dresses, Women's, misses', and children's ready-cut. N. Anderson. 263,724; Nov. 12; Serial No. 286,292; published Aug. 27, 1929.
 Footwear. Paramount Shoe Mfg. Co. 263,930; Nov. 12; Serial No. 286,078; published Aug. 27, 1929.
 Footwear. Paramount Shoe Mfg. Co. 263,949; Nov. 12; Serial No. 286,077; published Aug. 13, 1929.
 Footwear. Sommer & Kaufmann, Inc. 263,891; Nov. 12; Serial No. 285,719; published Sept. 3, 1929.
 Footwear. Rubber. Apsey Rubber Company. 75,984; renewed Dec. 7, 1929.
 Furnishings, undergarments, and clothing. Men's and boys'. Franklin Simon & Co. Inc. 263,889; Nov. 12; Serial No. 286,108; published Sept. 3, 1929.
 Garments, Outer sport. Simon & Mogilner. 263,741; Nov. 12; Serial No. 270,655; published Aug. 27, 1929.
 Gloves. W. I. & M. A. Loucks, Inc. 263,743; Nov. 12; Serial No. 275,904; published Aug. 13, 1929.
 Hats. Romano Hats Inc. 263,948; Nov. 12; Serial No. 286,079; published Aug. 13, 1929.
 Hats and caps for the use of men and boys. Paragon Hat Co. 263,776; Nov. 12; Serial No. 284,950; published Aug. 20, 1929.
 Hats, Ladies'. Everitt & Graf, Inc. 263,935; Nov. 12; Serial No. 285,348; published Aug. 13, 1929.
 Hats, Ladies' and misses'. Charles Moffet & M. Shapiro, Inc. 263,862; Nov. 12; Serial No. 261,827; published Sept. 3, 1929.
 Hats, Men's. H. Friedman Hat Co. Inc. 263,933; Nov. 12; Serial No. 285,450; published Aug. 27, 1929.
 Hats, men's and boys' caps. Mallory Hat Company. 263,695; Nov. 12; Serial No. 285,784; published Aug. 13, 1929.
 Hats, scarfs, and toques. A. M. Green. 263,694; Nov. 12; Serial No. 285,816; published Aug. 13, 1929.
 Headwear. Flits-U Cap Co. 263,940; Nov. 12; Serial No. 287,127; published Aug. 27, 1929.
 Hosiery. S. L. Abrams. 263,828; Nov. 12; Serial No. 286,069; published Sept. 3, 1929.
 Hosiery. A. J. Clark. 263,991; Nov. 12; Serial No. 284,048; published Aug. 27, 1929.
 Hosiery. Holproof Hosiery Co. 263,950; Nov. 12; Serial No. 287,704; published Sept. 3, 1929.
 Hosiery. William G. Leininger Knitting Company. 263,956; Nov. 12; Serial No. 287,257; published Aug. 27, 1929.
 Hosiery. F. Menzer. 264,004; Nov. 12; Serial No. 284,007; published Aug. 27, 1929.
 Hosiery and underwear. Klopfer Bros. 263,682; Nov. 12; Serial No. 287,477; published Sept. 3, 1929.
 Hosiery, Ladies'. Lucy Lou Shops, Incorporated. 263,688; Nov. 12; Serial No. 287,192; published Aug. 27, 1929.
 Hosiery, Silk. Sommer & Kaufmann, Inc. 263,688; Nov. 12; Serial No. 285,718; published Sept. 3, 1929.
 Infants' underwear and knit clothing. Stern Brothers. 263,722; Nov. 12; Serial No. 286,891; published Aug. 27, 1929.
 Knitted and textile underwear for women and girls. Vanity Fair Silk Mills. 263,942; Nov. 12; Serial No. 286,806; published Aug. 27, 1929.
 Lingerie and underwear. Rice-Klein Co. 263,987; Nov. 12; Serial No. 284,917; published Sept. 3, 1929.
 Neckties and cravats. W. O. Horn & Brother, Inc. 263,691; Nov. 12; Serial No. 285,514; published Aug. 27, 1929.
 Neckwear. J. Steinberg. 263,687; Nov. 12; Serial No. 285,794; published Sept. 3, 1929.

Negligees, corsets, garter belts, etc. Ladies'. J. Salamy. 263,941; Nov. 12; Serial No. 286,902; published Aug. 27, 1929.
 Night robes and pajamas. Liberty Manufacturing Co. 263,680; Nov. 12; Serial No. 287,482; published Sept. 3, 1929.
 Outer garments, Ladies'. B. Zuckerbrod. 263,689; Nov. 12; Serial No. 285,647; published Aug. 27, 1929.
 Overalls. Ely & Walker Dry Goods Company. 76,228; renewed Dec. 28, 1929.
 Overalls, coats, and dungarees. L. Yavner. 263,723; Nov. 12; Serial No. 286,352; published Aug. 27, 1929.
 Overalls, jumpers, play suits, etc. Black Manufacturing Co. 263,690; Nov. 12; Serial No. 285,619; published Aug. 27, 1929.
 Overcoats. Barach & Hurwitz, Inc. 263,753; Nov. 12; Serial No. 272,597; published Sept. 3, 1929.
 Overcoats for men and boys. Stein-Bloch Co. 264,010; Nov. 12; Serial No. 284,279; published Aug. 20, 1929.
 Pajamas. Katz Underwear Company. 263,959; Nov. 12; Serial No. 287,189; published Aug. 27, 1929.
 Pajamas. Liberty Manufacturing Co. 263,679; Nov. 12; Serial No. 287,483; published Sept. 3, 1929.
 Pajamas. Liberty Manufacturing Co. 263,681; Nov. 12; Serial No. 287,481; published Sept. 3, 1929.
 Rubber heels and soles for shoes. Holite Mfg. Co. 263,945; Nov. 12; Serial No. 286,636; published Aug. 27, 1929.
 Sandals and garters made of rubber. Marlow Products Co. 263,983; Nov. 12; Serial No. 283,287; published Aug. 27, 1929.
 Shirts. Manhattan Shirt Co. 263,758; Nov. 12; Serial No. 274,784; published Aug. 27, 1929.
 Shirts and pajamas. Ha-Ber-San Manufacturing Corporation. 263,740; Nov. 12; Serial No. 278,699; published Dec. 4, 1928.
 Shirts, Negligee. Susquehanna Shirt Company. 263,683; Nov. 12; Serial No. 287,431; published Sept. 3, 1929.
 Shirts, Work. D. Feldman. 263,957; Nov. 12; Serial No. 287,289; published Aug. 27, 1929.
 Shoes. Endicott Johnson Corporation. 263,934; Nov. 12; Serial No. 285,415; published Aug. 13, 1929.
 Shoes. Endicott Johnson Corporation. 264,026; Nov. 12; Serial No. 284,393; published Aug. 13, 1929.
 Shoes. Pontiac Shoe Manufacturing Co. 263,946; Nov. 12; Serial No. 286,537; published Sept. 3, 1929.
 Shoes and hosiery. Melville Shoe Corporation. 263,939; Nov. 12; Serial No. 287,086; published Aug. 27, 1929.
 Shoes, Leather. J. M. Genack. 264,023; Nov. 12; Serial No. 283,862; published Aug. 27, 1929.
 Shoes, Work. Endicott Johnson Corporation. 263,778; Nov. 12; Serial No. 284,394; published Aug. 13, 1929.
 Sports wear of knitted or woven materials. Jacob Guttmann & Sons, Inc. 263,992-3; Nov. 12; Serial Nos. 284,573-4; published Aug. 27, 1929.
 Suits, Boys' outer. J. J. Connell. 75,721-3; renewed Nov. 9, 1929.
 Suits, coats, and dresses. Wilkin & Adler, Inc. 263,684; Nov. 12; Serial No. 286,527; published Sept. 3, 1929.
 Suits, overcoats, and topcoats. Alco-Zander Company. 263,685; Nov. 12; Serial No. 286,146; published Aug. 27, 1929.
 Sweaters. Cayon Ideal Products, Inc. 263,686; Nov. 12; Serial No. 286,027; published Aug. 27, 1929.
 Sweaters and bathing suits. S. Augstein & Co. 263,995; Nov. 12; Serial No. 284,717; published Aug. 27, 1929.
 Sweaters, blouses, jackets, etc. Alexander Seifert, Inc. 263,918; Nov. 12; Serial No. 278,612; published Aug. 27, 1929.
 Trousers, Men's. Happ Brothers Company. 263,678; Nov. 12; Serial No. 287,659; published Sept. 3, 1929.
 Union suits, undershirts, drawers, and running pants. Men's athletic. I. Panitz. 263,742; Nov. 12; Serial No. 270,093; published Aug. 27, 1929.
 Work shirts, work pants, overalls, etc. Kline Brothers Co. 263,725; Nov. 12; Serial No. 286,250; published Aug. 27, 1929.

CLASS 40

Combs, Rubber. Vulcanized Rubber Co. 76,982; renewed Mar. 1, 1930.
 Elastic fabrics, Narrow. Russell Manufacturing Company. 263,892; Nov. 12; Serial No. 285,640; published Sept. 3, 1929.
 Hair goods. H. Salomons. 77,335; renewed Mar. 29, 1930.
 Laces and linens stamped, mother-of-pearl slides, etc. Calais-Barmen Company. 263,988; Nov. 12; Serial No. 281,341; published Aug. 27, 1929.
 Needles, Run-repair. Shepperack Manufacturing Company. 263,777; Nov. 12; Serial No. 284,761; published Aug. 20, 1929.
 Pins. Common. Scovill Manufacturing Company. 263,744; Nov. 12; Serial No. 275,753; published Aug. 27, 1929.
 Pins, safety pins, and snap fasteners. W. S. Steffen, Inc. 263,769; Nov. 12; Serial No. 284,019; published Sept. 3, 1929.
 Pins, safety pins, and snap fasteners. W. S. Steffen, Inc. 264,024; Nov. 12; Serial No. 284,018; published Aug. 20, 1929.

Shoe-lacing hooks and studs. Agatine Shoe-Hook and Eyelet Company. 75,888; renewed Nov. 23, 1929.

CLASS 42

Blankets, Woolen. Butler Brothers. 263,873; Nov. 12; Serial No. 267,237; published Sept. 3, 1929.
 Carpets and rugs, Textile. North Mehnay Furniture Co. 263,857; Nov. 12; Serial No. 284,038; published Sept. 3, 1929.
 Cotton, plaids and checks. Riverside Cotton Mills. 75,484; renewed Oct. 5, 1929.
 Cotton shirtings. Dan River Power & Mfg. Co. 75,561; renewed Oct. 19, 1929.
 Cotton shirtings. Dan River Power & Mfg. Co. 75,890; renewed Nov. 23, 1929.
 Hair nets. Theo. H. Gary Co. 76,536; renewed Jan. 25, 1930.
 Jute bag cloth. Mente & Co. 263,884; Nov. 12; Serial No. 269,969; published Sept. 3, 1929.
 Laces, nets, embroideries, and malines. Lace Net Importing Co. Inc. 263,812; Nov. 12; Serial No. 285,977; published Sept. 3, 1929.
 Linen and hemp piece goods. Alex. Morton & Co. 74,524; renewed July 20, 1929.
 Piece goods, Certain. Rogers & Thompson. 76,232; renewed Dec. 28, 1929.
 Quilted goods. American Needlecrafts, Inc. 263,832; Nov. 12; Serial No. 285,004; published Sept. 3, 1929.
 Rayon and silk piece goods and mixtures thereof. Duplan Silk Corporation. 263,846; Nov. 12; Serial No. 287,265; published Sept. 3, 1929.
 Sheetings, Cotton. Dan River Power & Mfg. Co. 74,528-9; renewed July 20, 1929.
 Silk fabrics. P. Lelong. 263,811; Nov. 12; Serial No. 286,063; published Sept. 3, 1929.
 Silk piece goods. Albert Godde, Bedln, Inc. 263,845; Nov. 12; Serial No. 287,734; published Sept. 3, 1929.
 Silk piece goods. Albert Godde, Bedln, Inc. 263,849; Nov. 12; Serial No. 287,275; published Sept. 3, 1929.
 Textile fabrics. Oriental Silk Printing Company. 263,853-5; Nov. 12; Serial Nos. 284,135-7; published Sept. 3, 1929.
 Textiles. Merrimack Manufacturing Company. 76,889; renewed Feb. 22, 1930.
 Woolen goods. S. Stein & Co. 263,809; Nov. 12; Serial No. 286,139; published Sept. 3, 1929.

CLASS 43

Threads and yarns. I. G. Farbenindustrie Aktiengesellschaft. 263,848; Nov. 12; Serial No. 287,179; published Sept. 3, 1929.

CLASS 44

Belts, aprons, step-in bloomers, etc. Women's sanitary. S. Karger. 263,961; Nov. 12; Serial No. 286,249; published Aug. 27, 1929.
 Dental appliances. Ritter Dental Manufacturing Company. 263,821-2; Nov. 12; Serial Nos. 268,867-8; published Sept. 3, 1929.
 Heating device for therapeutic use, Electric. Carter Radio Company. 263,917; Nov. 12; Serial No. 284,440; published Sept. 3, 1929.
 Nipples, Nursing. Meinecke & Co. 33,985; renewed Jan. 2, 1930.
 Sanitary napkins. Swiss Textile Co. 263,756; Nov. 12; Serial No. 276,461; published Sept. 3, 1929.
 Thermometers, Fever. Fairchney Instrument Corporation. 263,964; Nov. 12; Serial No. 286,107; published Sept. 3, 1929.
 Water bottles and syringes, Rubber. Mechanical Rubber Company. 76,046; renewed Dec. 7, 1929.

CLASS 45

Beverages. Ridgewood Fruit Growers. 264,015; Nov. 12; Serial No. 281,522; published Sept. 3, 1929.
 Beverages and sirups and extracts for making the same. Maltless. Terra Alta Bottling Company Inc. 263,735; Nov. 12; Serial No. 285,697; published Sept. 3, 1929.
 Flavoring extracts used for beverages. T. Nolrot et Compagnie Societe en Nom Collectif. 263,731; Nov. 12; Serial No. 285,982; published Sept. 3, 1929.
 Flavors, Soft-drink. A. B. Zarzoso. 263,971; Nov. 12; Serial No. 286,912; published Sept. 3, 1929.

CLASS 46

Apple jelly and pineapple-apple preserves. Pectin. Best-Clymer Co. 263,915; Nov. 12; Serial No. 244,279; published Feb. 28, 1928.
 Bacon. Roberts and Oake, Inc. 263,721; Nov. 12; Serial No. 286,510; published Sept. 3, 1929.
 Beef, Dried. Harry Manaster & Bro. 264,011; Nov. 12; Serial No. 284,686; published Sept. 3, 1929.
 Candy. A. Beck. 263,881; Nov. 12; Serial No. 262,147; published May 15, 1928.
 Candy. New England Confectionery Company. 263,952; Nov. 12; Serial No. 287,541; published Sept. 3, 1929.
 Candy. Norris, Incorporated. 263,719; Nov. 12; Serial No. 286,836; published Sept. 3, 1929.
 Candy. Wm. H. Rankin Company. 263,823; Nov. 12; Serial No. 268,749; published Sept. 3, 1929.
 Candy lozenges. New England Confectionery Co. 75,706; renewed Nov. 2, 1929.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Canned fish. Monterey Packing Company. 76,517; renewed Jan. 23, 1930.
 Canned fruits. Hawaiian Pineapple Company, Ltd. 263,754; Nov. 12; Serial No. 270,127; published June 4, 1929.
 Canned fruits, vegetables, fish, etc. Crown Wholesale Grocery Co. Inc. 263,819; Nov. 12; Serial No. 280,761; published Aug. 27, 1929.
 Canned pineapple. Hawaiian Pineapple Company, Ltd. 264,021; Nov. 12; Serial No. 278,468; published Sept. 3, 1929.
 Canned salmon. Columbia River Packers Association. 76,680; renewed Feb. 8, 1930.
 Canned salmon. Columbia River Packers Association. 76,783; renewed Feb. 15, 1930.
 Canned sardines. Adolph Goldmark & Sons Corp. 264,012; Nov. 12; Serial No. 284,732; published Sept. 3, 1929.
 Canned vegetables. H. Sobo & Sons, Company. 263,726; Nov. 12; Serial No. 285,945; published Sept. 3, 1929.
 Canned vegetables. Spring Valley Canning Company. 76,082; renewed Dec. 14, 1929.
 Canned vegetables, fruits, sauerkraut, and coffee. 263,863; Nov. 12; Serial No. 258,412; published Aug. 27, 1929.
 Chicken, chicken giblets and wings, chicken broth, and plum pudding. Skinner Canning Company. 263,803; Nov. 12; Serial No. 286,458; published Aug. 27, 1929.
 Chocolates and all assorted candies. Sun Garden Confections Company. 263,751; Nov. 12; Serial No. 275,417; published Feb. 26, 1929.
 Coffee and chicory. Compound of. Oliver-Finnie Co. 77,135; renewed Mar. 15, 1930.
 Confectionery. J. S. Blum. 263,851; Nov. 12; Serial No. 284,963; published Aug. 27, 1929.
 Dressing, Salad. Chas. D. Meschter, Inc. 263,804; Nov. 12; Serial No. 286,373; published Aug. 27, 1929.
 Flour, Wheat. Allen & Wheeler Co. 77,292; renewed Mar. 29, 1930.
 Flour, Wheat. Isaac Harter Milling Company. 76,150; renewed Dec. 21, 1929.
 Flour, Wheat. T. C. Jenkins. 76,364 5; renewed Jan. 11, 1930.
 Flour, Wheat. Mauser Mill Company. 75,867; renewed Nov. 23, 1929.
 Foods. White Tower System, Inc. 263,911; Nov. 12; Serial No. 278,577; published Aug. 27, 1929.
 Foods, Breakfast. Cream of Wheat Company. 34,067; renewed Jan. 23, 1930.
 Fruits and vegetables. Canned. Pratt-Low Preserving Company. 263,953; Nov. 12; Serial No. 287,494; published Sept. 3, 1929.
 Fruits, Citrus. Azusa-Covina-Glendoria Fruit Exchange. 76,100-1; renewed Dec. 14, 1929.
 Fruits, Fresh. Leesburg Citrus Growers Association. 263,727; Nov. 12; Serial No. 285,358; published Sept. 3, 1929.
 Fruits, Fresh citrus. Anaheim Community Growers, Inc. 263,951; Nov. 12; Serial No. 287,604; published Sept. 3, 1929.
 Fruits, syrups, and canned vegetables. Preserved. Louviere Brothers. 263,810; Nov. 12; Serial No. 286,125; published Aug. 27, 1929.
 Fruits, vegetables, and coffee. Canned. Scoville, Brown & Company. 263,872; Nov. 12; Serial No. 267,610; published Aug. 27, 1929.
 Grapes, Fresh. California Grape Products Company. 263,752; Nov. 12; Serial No. 273,287; published Sept. 3, 1929.

Horse-meat products. Chappel Bros., Inc. 263,878; Nov. 12; Serial No. 263,258; published Aug. 27, 1929.
 Jelly, candied fruits, marmalade, etc. Florida Health Resort and Recreational Center For Women, Inc. 264,022; Nov. 12; Serial No. 279,034; published Sept. 3, 1929.
 Molasses. Oelerich & Laux. 70,628; renewed Sept. 15, 1928.
 Nut meats and candy. C. S. Leibowitz. 264,009; Nov. 12; Serial No. 279,741; published Sept. 3, 1929.
 Oleomargarin. John F. Jelle Company. 77,240; renewed Mar. 22, 1930.
 Olives, canned soups, honey, etc. H. W. Bracy & Co. 264,007; Nov. 12; Serial No. 273,955; published Aug. 27, 1929.
 Oxtongue, plum puddings, cheese, etc. Aplin & Barrett & The Western Counties Creameries, Limited. 263,806; Nov. 12; Serial No. 286,293; published Aug. 27, 1929.
 Packing-house products. Swift and Company. 34,356; renewed Mar. 27, 1930.
 Pectin, Liquid citrus. Al-Mo-Co Corporation. 263,808; Nov. 12; Serial No. 286,216; published Aug. 27, 1929.
 Pop corn, pop-corn balls, and pop-corn candy. Honey Pop Corn Products Co. 263,720; Nov. 12; Serial No. 286,774; published Sept. 3, 1929.
 Poultry, Dressed. Beatrice Poultry & Cold Storage Co. 75,923; renewed Nov. 30, 1929.
 Poultry, Dressed. Beatrice Poultry & Cold Storage Co. 76,897; renewed Feb. 22, 1930.
 Spices, flavoring extracts, honey, etc. Prudential National Corporation. 263,858; Nov. 12; Serial No. 283,188; published Aug. 27, 1929.
 Sugar. American Sugar Refining Company. 33,651; renewed Oct. 31, 1929.
 Sugar. American Sugar Refining Company. 33,743-6; Nov. 14, 1929.
 Sugar, Granulated. Franklin Sugar Refining Company. 34,114-5; Jan. 30, 1930.
 Sweet-pepper fricassee. Canned. F. Vitelli & Sons. 263,718; Nov. 12; Serial No. 287,031; published Sept. 3, 1929.
 Syrup, Malt. Red Sun Products Company. 263,820; Nov. 12; Serial No. 279,561; published Apr. 16, 1929.
 Syrups, Malt. Eveready Malt Co. 263,910; Nov. 12; Serial No. 278,682; published Aug. 27, 1929.
 Teas. Kim Lung & Co. 263,974; Nov. 12; Serial No. 287,475; published Sept. 3, 1929.
 Vegetables, sauerkraut, pork and beans, etc. Canned. Sears & Nichols Corporation. 264,008; Nov. 12; Serial No. 273,255; published Aug. 27, 1929.

CLASS 48

Beverage. International Products Company. 264,028; Nov. 12; Serial No. 280,915; published May 14, 1929.

CLASS 49

Whiskies, Rye and Bourbon. R. A. Elmore. 263,738; Nov. 12; Serial No. 285,055; published Sept. 3, 1929.

CLASS 50

Lasts for boots and shoes. United Last Company. 263,794; Nov. 12; Serial No. 281,700; published June 4, 1929.

ALPHABETICAL LIST OF LABELS

Animal Pops. For Candy. Dairy Maid Products Co. 36,603; Nov. 12.
 Asahi Canvas Shoes. For Canvas Shoes. Mutual Supply Company. 36,633; Nov. 12.
 Baby Notes—At Home Rainy Afternoons. For Stationery. Erwin Company. 36,604; Nov. 12.
 Baby's Pal. For a Bottle Holder. P. E. Allen. 36,596; Nov. 12.
 Beverly Farm. For Pork Sausage. Associated Meat Company of California. 36,598; Nov. 12.
 Blood-Pop. For a Tonic Purgative. W. Hyde. 36,626; Nov. 12.
 Bonnie Brae. For Strawberry Jam. Golden West Products Co. 36,607; Nov. 12.
 California Fresh Grapes Tipo Italia. For Fresh Grapes. California Grape Products Company. 36,602; Nov. 12.
 Cod Liver Oil Pure Norwegian. For Cod-Liver Oil for Medicinal Purposes. H. Huebschman. 36,622; Nov. 12.
 Cold Packed Fruits. For Cold-Pack Berries. R. D. Bodle Company. 36,600; Nov. 12.
 Cross Country. For Wheat Flour. Page Milling Company. 36,635; Nov. 12.
 Dr. Hyde's Camphorated Sulphur-Oil. For Camphorated Sulphur Oil. W. Hyde. 36,625; Nov. 12.
 Fisher Boy Brand Fresh Haddock Fillets. For Fresh Haddock Fillets. Booth Fisheries Company. 36,601; Nov. 12.
 Gase's. For Cakes. Gase Baking Company. 36,606; Nov. 12.

Hill-Re' Brand. For Powdered Henna Preparation. R. Hillier's Son Company. 36,613; Nov. 12.
 Icybay Panready Fish. For Fresh and Frozen Fish. T. S. Gorton, Jr. 36,608; Nov. 12.
 Infants Dresses. For Infants' Dresses. Sacks-Sons Carton Co. 36,637; Nov. 12.
 J. Schinks. Original Malted Milk Butter Biscuits. For Biscuits. J. Schinks. 36,639; Nov. 12.
 Jaeger's Butter-Nut Bread Sliced. For Bread. Menasha Products Co. 36,630; Nov. 12.
 Jel Sert. For Jelly Powder. Menasha Products Company. 36,632; Nov. 12.
 Let 'Er Go. For Lettuce. S. J. Gallagher, Inc. 36,605; Nov. 12.
 Little Walf Wafers. For Wafers. P. Bias. 36,599; Nov. 12.
 Lucky-Nut. For Oleomargarine. Menasha Products Company. 36,631; Nov. 12.
 Morning Star. For Canned Salmon. G. P. Halferty & Company. 36,610; Nov. 12.
 Nafal Tested Fast Colors. For Textile Fabrics Which Have Been Tested in the Manner Provided by Said Label. National Association of Finishers of Cotton Fabrics. 36,634; Nov. 12.
 Oderoff. For Toilet Preparation for Preventing Excessive Perspiration Under the Arms or the Feet. J. H. Hamilton. 36,612; Nov. 12.
 Off Coff. For Mouth Wash Preparation for Helping to Overcome the Snuff Tobacco Chewing, and Tobacco Smoking Habit. J. H. Hamilton. 36,611; Nov. 12.

ALPHABETICAL LIST OF LABELS

Oka Type Cleaner and Platen Renewer. For Type Cleaner and Platen Renewer. E. J. Malarin. 36,629; Nov. 12.
 Old Mill. For Malt Extract. American Paper & Wooden Ware Co. 36,597; Nov. 12.
 Paxson's Incorporated. For Boxes. Hoague-Sprague Corporation. 36,614 Nov. 12.
 Rings Styled by Traub. For Rings. Traub Manufacturing Company. 36,640; Nov. 12.
 Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. H. Huebschman. 36,615-21; Nov. 12.
 Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. H. Huebschman. 36,623; Nov. 12.

Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. H. Huebschman. 36,624; Nov. 12.
 See the Point. For Fountain Pens. Salz Brothers, Inc. 36,638; Nov. 12.
 Show Down. For Canned Salmon. G. P. Halferty & Company. 36,609; Nov. 12.
 Skwirl Fude. For Salted Nuts. MacFarlane Nut Co. 36,628; Nov. 12.
 T. M. Reid Tenerife Onion Seed. For Onion Seed. T. M. Reid Tenerife Onion Seed Company. 36,636; Nov. 12.
 W. Hyde's Ozo-Ox. For Antifermentative. W. Hyde. 36,627; Nov. 12.

ALPHABETICAL LIST OF PRINTS

Gas Never Fails. For Gas. H. C. Holder. 12,177; Nov. 12.
 Grayslake Gelatin. For Gelatin. Menasha Products Company. 12,179; Nov. 12.
 Howel's Root-Beer—With that Good Old Fashioned Flavor. For Root Beer. Julep Company. 12,178; Nov. 12.
 Merchandising Extension Service. For Footwear. Gold Leaf Shoes, Inc. 12,176; Nov. 12.
 Red Dot. For Key Cases. Red Dot Key Case Co. 12,181; Nov. 12.

The Brew that Brings back Memories (Large Display). For Near Beer. Pabst Corporation. 12,180; Nov. 12.
 The Time to Start to Pass a Car is When You Fill Your Tank. For Shell Gasoline. Shell Eastern Petroleum Products, Inc. 12,182; Nov. 12.
 Tip-Top. For Bread. Ward Baking Company. 12,184; Nov. 12.
 Why Waste Time Shifting Gears? For Shell Gasoline. Shell Eastern Petroleum Products, Inc. 12,183; Nov. 12.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Abrahamsen, Alfred W., and A. Skarsten, Queens Village, N. Y. Floor scraper. 1,735,710; Nov. 12.
- Ackerman, Albert H., assignor to Catalytic Chemical Company, Chicago, Ill. Process and material for treating oil wells to enhance their productivity. 1,734,990; Nov. 12.
- Addressograph Company. (See Schaefer, George W., assignor.)
- Air Reduction Company. (See Ragonnet, Eugene L., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Palmgren, Per G., assignor.)
- Albert, Carl, Zoblitz in Erzebirge, Germany. Kitchen range with gridiron for children. 1,734,957; Nov. 12.
- Albrecht, Charles A., East Chicago, Ind. Kite. 1,735,309; Nov. 12.
- Albrecht, Herman S., St. Louis, Mo. Capstan. 1,735,711; Nov. 12.
- Alden, Reginald J., Fitchburg, Mass. Tear-gas projectile. 1,735,522; Nov. 12.
- Aldrich, Mark J., Keokuk, Iowa, and D. A. Seltz and K. E. Gabbert, Kankakee, Ill. Safety sump attachment for carburetors. 1,735,712; Nov. 12.
- Alemite Corporation, The. (See Brand, Harold H., assignor.)
- Alemite Corporation. (See Butler, Clyde G., assignor.)
- Alemite Corporation. (See Davis, Ernest W., assignor.)
- Alemite Corporation. (See Davis, E. W., and Wheeler, assignor.)
- Allen, Edward G. (See Steele, W. M., and Allen.)
- Allen, Samuel G., trustee. (See Davis, Frank W., assignor.)
- Allen, William H., assignor, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich. Rustproofing process. Re17,484; Nov. 12.
- Alford, Percy C., East Cowes, Isle of Wight, England. Band clip. 1,735,346; Nov. 12.
- All America Cables, Inc. (See Perryman, Nelson J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Cheney, Herbert W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Fulpins, Edmond, assignor.)
- Allis-Chalmers Manufacturing Company. (See Martin, C. R., and Nye, assignors.)
- Alltop, Raymond R., assignor of one-half to O. M. Doolittle, Fairmont, W. Va. Wheel-lifting device. 1,735,713; Nov. 12.
- Altentkirch, Edmund, Alt-Landsberg-Süd, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption machine. 1,735,487; Nov. 12.
- Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, Planter. 1,735,714; Nov. 12.
- Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Traction-wheel lug. 1,735,715; Nov. 12.
- Aluminum Goods Manufacturing Company. (See Tollagson, Olaf, assignor.)
- American Blower Corporation. (See Pfeffer, Henry W., assignor.)
- American Can Company. (See Block, William L., assignor.)
- American Chicle Company. (See O'Neill, P. M., and Simeone, assignors.)
- American Optical Company. (See Hill, Harry W., assignor.)
- American Optical Company. (See Kirk, Edward B., assignor.)
- American Road Machinery Company. (See Phillips, Earle S., assignor.)
- American Rolling Mill Company, The. (See Cushman, Allerton S., assignor.)
- American Rolling Mill Company, The, et al. (See Tebyrica, Mario W., assignor.)
- American Seating Company. (See Hamilton, George H., assignor.)
- American Steel Products Co. (See Harvey, William D., assignor.)
- American Stove Company. (See Moecker, H., Jr., and Thompson, assignors.)
- American Telephone and Telegraph Company. (See Carpe, Allen, assignor.)
- American Telephone and Telegraph Company. (See Fetter, Charles H., assignor.)
- American Telephone and Telegraph Company. (See Gardner, Fred G., assignor.)
- American Telephone and Telegraph Company. (See Green, Estill L., assignor.)
- American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
- American Telephone and Telegraph Company. (See Ohl, Russell S., assignor.)
- American Thermos Bottle Company, The. (See Wetmore, Miner P., assignor.)
- Amon, Josef. (See Samuels, M. M., and Amon.)
- Andersen, Fred C., R. L. Nash, and N. T. Roland, assignors to Andersen Lumber Company, Bayport, Minn. Window frame. 1,735,559; Nov. 12.
- Anderson, Carl J., assignor of fifty-one and two-thirds per cent to E. Borg and fifteen per cent to C. U. Johanson, Chicago, Ill. Cutter. 1,735,310; Nov. 12.
- Anderson, Carl J., assignor of fifty-one and two-thirds per cent to E. Borg, and fifteen per cent to C. U. Johanson, Chicago, Ill. Cutter. 1,735,594; Nov. 12.
- Anderson Lumber Company. (See Andersen, F. C., Nash, and Roland, assignors.)
- Anderson, Roy H., Long Beach, Calif. Pitch shackle. 1,735,716; Nov. 12.
- Angell, Fred P., Battle Creek, Mich. Flush valve. 1,735,228; Nov. 12.
- Ansel, Murry L., Chicago, Ill., assignor to J. Livingston & Co., Conduit fitting. 1,735,663; Nov. 12.
- Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Oven-door hinge. 1,735,717; Nov. 12.
- Armstrong Cork Company. (See Feagley, Joseph C., assignor.)
- Armstrong, Ernest, et al. (See Armstrong, George E., assignor.)
- Armstrong, Frank, et al. (See Armstrong, George E., assignor.)
- Armstrong, George E., assignor of one-fourth to E. Armstrong, one-fourth to T. Armstrong, and one-fourth to F. Armstrong, Windfall, Ind. Fence-guard support. 1,735,664; Nov. 12.
- Armstrong, Theodore, et al. (See Armstrong, George E., assignor.)
- Arragg, George M., Lawrence, Mass. Electric stop motion for spinning machines. 1,735,102; Nov. 12.
- Arvidson, Olof W., Ashtabula, Ohio. Ornamental structure. 1,734,954; Nov. 12.
- Ashby, Cassius J., Evansville, Ind. Propelling coaster wagons and other vehicles. 1,735,665; Nov. 12.
- Ashton Valve Company, The. (See Motherwell, Joseph W., assignor.)
- Aspen, Ralph L., Chorley, England. Electric starter for internal-combustion engines. 1,734,955; Nov. 12.
- Attendu, Andre C., Montreal, Quebec, Canada. Fuel injector. 1,735,718; Nov. 12.
- Audibert, Maurice, Villeurbanne, France. Micrometric screw-cutting machine. 1,735,666; Nov. 12.
- Audrieth, Ludwig A., Union, N. J. Drafting compass. 1,734,958; Nov. 12.
- Aurora Metal Company. (See Le May, John, assignor.)
- Aurynger, John J., Brooklyn, N. Y. Radio condenser. 1,735,416; Nov. 12.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator for withstanding fog conditions. 1,735,660; Nov. 12.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Fitting for insulators. 1,735,561; Nov. 12.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Controlling surface resistance of insulators. 1,735,829; Nov. 12.
- Auto-Meter Co. Inc. (See Titcomb, Lee R., assignor.)
- Automatic Electric Inc. (See Jacobsen, Emil, assignor.)
- Automotive Engineering Company Limited, The. (See Lewis, Eric C., assignor.)
- Avillar, Manuel D., New York, N. Y. Bottle-seal opener. Des. 79,877; Nov. 12.
- Babcock & Wilcox Company, The. (See Smith, Herman B., assignor.)
- Bache, Edmund, assignor to Waldorf Paper Products Company, St. Paul, Minn. Making waterproof paperboard. 1,735,030; Nov. 12.
- Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from roaster gases. 1,734,991; Nov. 12.
- Baird, Vascoe C., Owensboro, Ky. Stovepipe-cleaning device. 1,735,498; Nov. 12.
- Baker, Arthur J., assignor to The Willis-Overland Company, Toledo, Ohio. Timing gear. 1,735,229; Nov. 12.
- Baker, Philip P., Chula Vista, Calif. Draft hitch for tractors. 1,735,719; Nov. 12.
- Baldwin, Thomas A., Oyster Bay, N. Y. Radiator. 1,734,956; Nov. 12.

Band, Henry C., assignor to C. H. Hanson Company, Chicago, Ill. Indicator. 1,735,489; Nov. 12.
 Banks, Harry P. (See Rippey, H. F., Davidson, Cone, Laucks, and Banks.)
 Bannister, Bryant, assignor to Bannister Motor Appliance Company, Pittsburgh, Pa. Supplying heat to the mixture delivered to internal-combustion engines. 1,735,720; Nov. 12.
 Bannister Motor Appliance Company. (See Bannister, Bryant, assignor.)
 Banta, Clifford. (See Wendt, G. L., and Banta.)
 Barber, M. W., et al., board of trustees. (See Ellis, Axel E., assignor.)
 Barbour, Percy E. (See Gilson, Lorenzo H., assignor.)
 Barbour, Welting Company. (See Gilson, Lorenzo H.)
 Barley, Harry, assignor to Enterprise Oil Burner Company, San Francisco, Calif. Oil-burner nozzle. 1,735,490; Nov. 12.
 Barlow, Joseph S., Salt Lake City, Utah. Lighting device. 1,735,103; Nov. 12.
 Barnes Drill Company. (See Johnson, Albert M., assignor.)
 Barr, Clarence D. (See Moore, W. D., Barr, Moore, and Wilson.)
 Barratt, Sydney. (See Bonniksen, C. W., and Barratt.)
 Barrett Company, The. (See Fenhagen, F. D., Rhodes, and Hesser, assignors.)
 Barrett Company, The. (See Paffen, P. J., and Wittenberg, assignors.)
 Barrett, Leon J., Worcester, Mass. Centrifugal. 1,735,523; Nov. 12.
 Barro, Antonio P., Habana, Cuba. Device for making receptacles. 1,735,721; Nov. 12.
 Barrows, Frederic I., assignor to R. H. Barrows, Indianapolis, Ind. Process and apparatus for drying and pulverizing coal. 1,734,992; Nov. 12.
 Barrows, Ruth H. (See Barrows, Frederic I., assignor.)
 Bassett, Preston R., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Drumless searchlight. 1,735,667; Nov. 12.
 Bates, Jesse G., Chicago, Ill. Stapling device. 1,735,195; Nov. 12.
 Bates, Walter A., assignor to Walter Bates Steel Corporation, Gary, Ind. Steel frame for buildings. 1,735,627; Nov. 12.
 Bates, Walter, Steel Corporation. (See Bates, Walter A., assignor.)
 Battey, Sumter B., New York, N. Y. Repeating mechanism for talking machines. 1,735,311; Nov. 12.
 Beard, Robert, Philadelphia, Pa. Pole-protecting device. 1,735,722; Nov. 12.
 Behnse, Max, W. C. Children, Council Bluffs, and M. Martin, Hancock, Iowa. Seed thrasher. 1,735,104; Nov. 12.
 Becker, Fred F. (See Davis, C. W., and Becker.)
 Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Multiple thread (tension-release mechanism). 1,735,071; Nov. 12.
 Beebe, Royden E., Jr., Burlington, Vt. Loose-leaf binder. 1,735,031; Nov. 12.
 Belcher, Walter H. (See Williamson, B. F., and Belcher.)
 Belknap, Frank L. (See Kirschbraun, Lester, assignor.)
 Bell, Thomas, Otago, New Zealand. Paring knife. 1,735,312; Nov. 12.
 Bellem, Louis H. L., Asnières, France. Fuel-supplying device. 1,735,032; Nov. 12.
 Benze, Frank H., Norristown, and R. R. Titus, Villanova, Pa., assignors, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Molding synthetic resins. 1,735,668; Nov. 12.
 Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Fuse-block housing. 1,735,072; Nov. 12.
 Bentley, Martin S., St. Helena, Calif. Strop holder. 1,735,723; Nov. 12.
 Bergdoll, John G., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,735,724; Nov. 12.
 Berger, Friedrich W. F., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,735,033; Nov. 12.
 Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper-operating mechanism for sewing machines. 1,735,628; Nov. 12.
 Bergstrom, Erik J., Chicago, Ill. Wedge. 1,735,448; Nov. 12.
 Bernard, Marcel, Paris, France. Sound diaphragm. 1,735,417; Nov. 12.
 Bernhardt, Joseph F., assignor to Triangle Automobile Spring Company, Du Bois, Pa. Spring. 1,735,371; Nov. 12.
 Best, Harry S., Galva, and W. E. Nesbitt, Evanston, Ill., assignors to John H. Best & Sons, Galva, Ill. Display stand. 1,734,993; Nov. 12.
 Best, John H., & Sons. (See Best, H. S., and Nesbitt, assignors.)
 Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Flexible gear wheel. 1,735,105; Nov. 12.
 Bethlehem Steel Company. (See Geer, Harry R., assignor.)
 Bethlehem Steel Company. (See Keller, A. T., and Stevens, assignors.)

Bettendorf Company, The. (See Lewis, Frank W., assignor.)
 Betts, Benjamin B. (See Einstein, R. E., and Betts.)
 Bilt-Rite Baby Carriage Co., et al. (See Specter, Elias, assignor.)
 Blinsfeld, Frank, St. Gregor, Saskatchewan, Canada. Burner. 1,735,669; Nov. 12.
 Birchfield Engineering Company Limited. (See Chisholm, Douglas W., assignor.)
 Birtman Electric Company. (See Wiehle, Edward W., assignor.)
 Black, John C., Los Angeles, assignor, by mesne assignments, to Contact Filtration Company, San Francisco, Calif. Apparatus for clarifying and decolorizing petroleum oil. 1,734,959; Nov. 12.
 Blair, James C., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet glass forming apparatus. 1,735,595; Nov. 12.
 Blaskewitz, William, and C. B. Overly, Detroit, C. F. Lambert, Grosse Pointe, and J. Ironside, assignors, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Stove structure. 1,735,151; Nov. 12.
 Block, William I., Chicago, Ill., assignor to American Can Company, New York, N. Y. Tire display holder. 1,735,372; Nov. 12.
 Blocker, Asa T., assignor to Interstate Iron and Steel Company, Chicago, Ill. Bar twister for rolling mills. 1,735,282; Nov. 12.
 Blumenfeld, Marcus, New York, N. Y. Safety nipple. 1,735,670; Nov. 12.
 Blunt, James G., Schenectady, N. Y. Connecting rod for locomotives. 1,735,491; Nov. 12.
 Blunt, James G., Schenectady, N. Y. Locomotive. 1,735,492; Nov. 12.
 Bodine Electric Company. (See Thompson, Clifford F., assignor.)
 Bohn Aluminum and Brass Corporation. (See Eggenweller, C. W., and Fiegel, assignors.)
 Bol, Cornelis, and C. H. Morel, Blidhoven, Netherlands, assignors to Radio Corporation of America. Energizing radio apparatus. 1,735,152; Nov. 12.
 Bolger, Robert S., Jamaica, assignor to International Motor Company, New York, N. Y. Truss-ladder construction. 1,735,418; Nov. 12.
 Bonniksen, Cyril W., and S. Barratt, London, England. Production of flame or smoke for signaling. 1,735,373; Nov. 12.
 Boos, Henry P. (See Hagman, Harry C., assignor.)
 Borden Company, The. (See Green, Lee R., assignor.)
 Borel, Joseph, Annecy, France. Antiglare headlight for motor cars. 1,735,725; Nov. 12.
 Borg, Erik, et al. (See Anderson, Carl J., assignor.)
 Bornhardt, Fritz, Buchschlag, Hessen, Germany. Device for stereoscopic Röntgen-ray fluoroscopy. 1,735,726; Nov. 12.
 Boucher, Leo P., Bristol, Conn. Pocketbook holder. 1,735,374; Nov. 12.
 Bouton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Door-operating device for elevators. 1,735,153; Nov. 12.
 Bowers, Claude E., Los Angeles, Calif. Device for supporting concrete steel reinforcing bars. 1,734,994; Nov. 12.
 Bowman, Simeon A., Hamilton, Ontario, Canada, assignor to Panyard Machine and Manufacturing Company, Muskegon, Mich. Piston packing. 1,735,596; Nov. 12.
 Bowser, S. F., & Company. (See Mensing, Clarence W., assignor.)
 Boymoto Company, The. (See Schlaich, Herman, assignor.)
 Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Power-driven bin-gate-actuating device. 1,735,106; Nov. 12.
 Boyton, John C., Cleveland, Ohio. Conduit fitting. 1,735,196; Nov. 12.
 Braden Engineering, Inc. (See Braden, Marshall H., assignor.)
 Braden, Marshall H., Providence, R. I., assignor to Braden Engineering, Inc. Hydrocarbon burner. 1,735,629; Nov. 12.
 Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Method of and apparatus for operating suction-actuated devices in connection with the suction passage of an internal-combustion engine. 1,735,630; Nov. 12.
 Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Apparatus for operating suction-actuated devices in connection with the suction passage of an internal-combustion engine. 1,735,631; Nov. 12.
 Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Apparatus for operating suction-actuated devices in connection with the suction passage of an internal-combustion engine. 1,735,632; Nov. 12.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Apparatus for operating suction-actuated devices in connection with the suction passage of an internal-combustion engine. 1,735,633; Nov. 12.
 Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Fuelizer for internal-combustion engines operating power actuators. 1,735,634; Nov. 12.
 Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Apparatus for operating suction-actuated devices in connection with the suction passage of an internal-combustion engine. 1,735,635; Nov. 12.
 Bragg-Klesrath Corporation. (See Bragg, C. S., and Klesrath, assignors.)
 Brand, Harold H., Cleveland, Ohio, assignor, by mesne assignments, to The Alemite Corporation, Chicago, Ill. Drive-fit nipple. 1,735,230; Nov. 12.
 Braren, Lorenz K., assignor to the Firm Friedrich Deckel Fabrik für Präzisionsmechanik und Maschinenbau, Munich, Germany. Screw-slotting mechanism. 1,735,231; Nov. 12.
 Braselton, Chester H., New York, and F. B. MacLaren, Malibu, Long Island, N. Y.; said MacLaren assignor to said Braselton. Vibration-operated pump. 1,735,449; Nov. 12.
 Brassert, H. A., & Company. (See Boynton, Arthur J., assignor.)
 Brennan, Thomas, assignor to J. I. Case Company, Racine, Wis. Seeding machine. 1,735,232; Nov. 12.
 Brockschmidt, Walter, Muskegon Heights, Mich., assignor to Link-Belt Company, Chicago, Ill. Chain link. 1,734,960; Nov. 12.
 Brodrick, Leo H., New York, N. Y. Container. 1,735,154; Nov. 12.
 Broderick-Son-Raymond Co. (See Raymond, Lambert L., assignor.)
 Brooke, Frank W., assignor to W. Swindell & Brothers, Pittsburgh, Pa. Electric furnace. 1,735,419; Nov. 12.
 Brown, Charles L., Portland, Me. Strainer utensil. 1,734,995; Nov. 12.
 Brown Company. (See Richter, George A., assignors.)
 Brown, James C., assignor, by mesne assignments, to E. Frederics, Inc., New York, N. Y. Pad. 1,734,961; Nov. 12.
 Brown, William S., assignor of one-fourth to E. L. Kelster and one-fourth to K. W. Dennis, Knoxville, Tenn. Power reverse mechanism for locomotives. 1,735,727; Nov. 12.
 Browne, Harold J. (See Miner, C. S., and Browne.)
 Bryant, Frank H., Mill Valley, Calif. Damper control. 1,735,034; Nov. 12.
 Bryant, Ryland P., Marion, S. C. Flexible collar. 1,735,636; Nov. 12.
 Bryce-Nelson Refining Company. (See Nelson, Oliver J., assignor.)
 Buc, Hym E., Roselle, N. J., assignor to Standard Oil Development Company, Varnish. 1,735,493; Nov. 12.
 Buchanan, Isaac W. P., Lebanon, Tenn. Intermittent spray device. 1,735,728; Nov. 12.
 Budal, Blaise, Bayside, N. Y. Necktie holder. 1,735,450; Nov. 12.
 Bulmer, Schein M., Buenos Aires, Argentina. Lock. 1,735,035; Nov. 12.
 Bunker, Charles A., assignor to Bunker-Clancey Manufacturing Company, Kansas City, Mo. Smoking stand. 1,735,671; Nov. 12.
 Bunker-Clancey Manufacturing Company. (See Bunker, Charles A., assignor.)
 Bunting Brass & Bronze Company, The. (See Yager, George F., assignor.)
 Busmann, Henry T., St. Louis, Mo. Electric fuse. 1,735,672; Nov. 12.
 Butler, Clyde G., Cincinnati, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating coupling nipple. 1,734,996; Nov. 12.
 Buzzard, Robert B., Charleston, W. Va. Photograph-album page. 1,735,524; Nov. 12.
 Ryland Realty & Construction Company, The. (See Hayden, Benjamin F., assignor.)
 Caldwell, James J., Chickamauga, Ga., assignor to Standard-Coosa-Thatcher Company, Chattanooga, Tenn. Bailing machine. 1,735,086; Nov. 12.
 Calhoun, Tracy J., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Flame arrester. 1,735,261; Nov. 12.
 Camel Company. (See Nystrom, Karl F., assignor.)
 Camp, C. F., Company. (See Powers, F., and Tolland, assignor.)
 Campbell, Wallace H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tube-deflating machine. 1,735,673; Nov. 12.
 Caplan, Israel, Des Moines, Iowa. Signal device. 1,735,562; Nov. 12.
 Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,735,155; Nov. 12.
 Card, Earl J., and V. A. Gronberg, assignor to Jamestown Metal Equipment Co., Inc., Jamestown, N. Y. Filing cabinet. 1,735,375; Nov. 12.
 Carey, Dennis E., Lawrence, Mass. Fire-fighting appliance. 1,735,376; Nov. 12.

Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
 Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Method of and apparatus for reducing width of transmission bands. 1,735,037; Nov. 12.
 Carpenter, William W. S., assignor to Sanford Mfg. Co., Chicago, Ill. Mucilage dispenser and spreader. 1,735,073; Nov. 12.
 Carpenter, William W. S., assignor to Sanford Manufacturing Co., Chicago, Ill. Mucilage bottle. 1,735,262; Nov. 12.
 Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,735,156; Nov. 12.
 Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,735,157; Nov. 12.
 Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,735,158; Nov. 12.
 Carter, A. J. (See Syphrit, Samuel T., assignor.)
 Carter, John K., Clarksville, Ark. Measuring device. 1,735,729; Nov. 12.
 Caruthers, Eugene W., Secane, Pa. Rail joint. 1,735,347; Nov. 12.
 Caruthers, Eugene W., Secane, Pa. Rail splice bar and rail joint. 1,735,348; Nov. 12.
 Case, J. I., Company. (See Brennan, Thomas, assignor.)
 Casey-Hedges Co., The. (See Moses, A. J., and Wright, assignors.)
 Cassiere, Alphonse T., Long Beach, Calif. Feed wheel for pneumatic concrete machines. 1,735,233; Nov. 12.
 Catalytic Chemical Company. (See Ackerman, Albert H., assignor.)
 Caughlan, Martha W., Oakland, Calif. Reflecting surface. 1,735,377; Nov. 12.
 Chain Belt Company. (See Merwin, John C., assignor.)
 Chambers, Samuel B., Chicago, Ill. Treating dairy products. 1,735,313; Nov. 12.
 Chandler, David G. (See Svendsen, R. T., and Chandler.)
 Chapman Electric Neutralizer Company. (See Chapman, William H., assignor.)
 Chapman, John W. (See Melley, J. J., and Chapman.)
 Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Me. Neutralizer bar. 1,735,494; Nov. 12.
 Chase Companies, Inc. (See Puckett, Paul R., assignor.)
 Chemical Research & Designing Corporation. (See Dely, Joseph G., assignor.)
 Cheney, Herbert W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Contact mechanism. 1,735,263; Nov. 12.
 Chicago Mica Company. (See Frederick, Louis T., assignor.)
 Chicago Railway Equipment Company. (See Priebe, Herman C., assignor.)
 Chicolsky, Mike, Sifton, Manitoba, Canada. Seed-drill-shoe regulator. 1,735,597; Nov. 12.
 Children, Will C. (See Behnsee, M., Children, and Martin.)
 Chisholm, Douglas C., and J. A. Hannum, assignors to G. E. Collings, Ames, Cleveland, Ohio. Treating silk-containing wool materials. 1,735,420; Nov. 12.
 Chisholm, Douglas W., Glasgow, Scotland, assignor to The Birchfield Engineering Company Limited, Cardiff, Wales. Manufacture of butt-welded tubes. 1,735,234; Nov. 12.
 Christensen, Niels A., Milwaukee, Wis. Compressor governor. 1,735,197; Nov. 12.
 Chubbuck, Paul R., assignor to Metal Stamping Corporation, Streator, Ill. Display rack for folding tables or like articles. 1,734,997; Nov. 12.
 Clack, Presley V., Knoxville, Tenn. Leather-tempering box. 1,735,525; Nov. 12.
 Clark, Russell P. (See Williams, A. D., Gillett, and Clark.)
 Clarke, Charles W. E., New York, N. Y., assignor to L. V. Clarke, Philadelphia, Pa. Air heater. 1,734,962; Nov. 12.
 Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Making mixed organic esters of cellulose. 1,735,159; Nov. 12.
 Clarke, Lucille V. (See Clarke, Charles W. E., assignor.)
 Claude, Georges, Paris, and A. H. Gosselin, Montreuil, assignors to La Société Chimique de la Grande Paroisse, Azole & Produits Chimiques, Paris, France. Producing simultaneously formates and gaseous mixtures rich in hydrogen. 1,735,107; Nov. 12.
 Clayton & Lambert Manufacturing Company. (See Blaskewitz, W. Overly, Lambert, and Ironside, assignors.)
 Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
 Clifford, Walter B., Cambridge, assignor to Clifford Manufacturing Co., Boston, Mass. Thermostatic control of cooling circulation. 1,734,963; Nov. 12.
 Clifton, William E., assignor, by mesne assignments, to Clifton & Records Limited, London, England. Sound projector. 1,735,378; Nov. 12.
 Clifton & Records Limited. (See Clifton, William E., assignor.)
 Clinton Motors Corporation. (See Hoffmann, Edward A., assignor.)
 Cohen, Harry, Washington, D. C. Pencil sharpener. 1,735,635; Nov. 12.

Cohen, Hyman E., Brooklyn, N. Y., assignor to Pantex Pressing Machine, Inc., Pawtucket, R. I. Swivel joint. 1,735,637; Nov. 12.
 Goldfish, Robert W., et al. (See Ellis, Ralph N., assignor.)
 Collier-Keyworth Co., et al. (See Specter, Elias, assignor.)
 Collings, George E., trustee. (See Chisholm, D. C., and Hannum, assignors.)
 Colman, Howard D., Rockford, Ill. Automatically-controlled clutch. 1,734,998; Nov. 12.
 Combs, Edward L., Camden, N. J., assignor to The Pooley Company, Philadelphia, Pa. Radiocabinet. Des. 79,878; Nov. 12.
 Compagnie d'Applications Mecanique. (See Rouanet, Louis, assignor.)
 Constant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 79,879; Nov. 12.
 Concentric Air Cells Automatic Company. (See Jurgensen, August P., assignor.)
 Cone, Charles N. (See Rippey, H. F., Davidson, Cone, Laucks, and Banks.)
 Conlon Corporation. (See Janda, Rudolph W., assignor.)
 Consolidated Machine Tool Corporation of America. (See Trosch, Alfred, assignor.)
 Contact Filtration Company. (See Black, John C., assignor.)
 Content, Arthur A., Yakima, Wash. Mail box. 1,735,379; Nov. 12.
 Continental-Diamond Fibre Company. (See Bengt, F. H., and Titus, assignors.)
 Cook, John, Muncie, Ind. Smoker's stand. Des. 79,880; Nov. 12.
 Coons Apple Corporation. (See Coons, Burton C., assignor.)
 Coons, Burton C., Rochester, assignor, by mesne assignments, to Coons Apple Corporation, Gates, N. Y. Canned sliced apples and process of canning the same. 1,735,526; Nov. 12.
 Copeland, Harry N., assignor to The Kurz-Kasch Company, Dayton, Ohio. Molding and article produced from plastic material in imitation of onyx, agate, marble, and the like. 1,735,674; Nov. 12.
 Cord Tire Machine Company, The. (See Morris, Howard L., assignor.)
 Cory, Chas., & Son, Incorporated. (See Wood, Frank W., assignor.)
 Cotter, Thomas, and T. F. Griggs, Evansville, Ind. Battery terminal. 1,735,038; Nov. 12.
 Coulter, Guy H., Highland Park, Mich., assignor to Monogram Lens Corporation, Paterson, N. J. Lamp-adjusting apparatus. 1,735,451; Nov. 12.
 Cox, Harold N., Glen Ridge, N. J., assignor to Cox Multi-Color Photo Company. Optical-adjusting device. 1,735,108; Nov. 12.
 Cox Multi-Color Photo Company. (See Cox, Harold N., assignor.)
 Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Multicolor flat-bed web-printing press. 1,735,730; Nov. 12.
 Cox, Thomas, Oakland, and M. L. Regua, Piedmont, Calif., and A. S. Knowles, New York, N. Y.; said Cox and said Knowles assignors to said Regua. Blending oils. 1,735,421; Nov. 12.
 Creelman, James A., Chicago, Ill. Shoe last for the correction of certain ailments of the human foot. 1,735,598; Nov. 12.
 Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Fluid-containing cup. 1,735,264; Nov. 12.
 Critchfield, Robert M., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electric horn. 1,735,235; Nov. 12.
 Cross, William J., Ann Arbor, Mich. Sanding device. 1,735,039; Nov. 12.
 Crouse-Hinds Company. (See Olley, Raymond H., assignor.)
 Crowley, Joseph P., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Apparatus for surfacing plate glass. 1,735,599; Nov. 12.
 Crowley, Joseph P., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Abrasive-feeding system for glass-grinding machines. 1,735,600; Nov. 12.
 Cruickshank, Graham, Trail, British Columbia, Canada, assignor, by mesne assignments, to Genter Thickener Company. Filtering and thickening mixtures. 1,734,999; Nov. 12.
 Cude, Harold E. (See Reel, J. H., and Cude.)
 Cunningham, Roy H., assignor to The Reynolds Spring Company, Jackson, Mich. Attachment plug for electric heating devices. 1,735,731; Nov. 12.
 Curley, Walter J., et al. (See Stebler, William J., assignor.)
 Curry Landskiff Corporation. (See Curry, Manfred, assignor.)
 Curry, Manfred, Munich, Germany, assignor to Curry Landskiff Corporation, New York, N. Y. Vehicle. 1,735,601; Nov. 12.
 Curtis, George W., Milwaukee, Wis., assignor to The Timkin Roller Bearing Company, Canton, Ohio. Double sheave wheel. 1,735,602; Nov. 12.
 Curtis, Paul W., assignor to Tray Service Company, Dallas, Tex. Attachment for serving receptacles. 1,735,603; Nov. 12.

Cushman, Allerton S., Washington, D. C., assignor to The American Rolling Mill Company, Middletown, Ohio. Protecting metal culverts. 1,735,732; Nov. 12.
 Cutler-Hammer, Inc. (See Lightfoot, Edwin N., assignor.)
 Cutler-Hammer, Inc. (See Tregoning, William C., assignor.)
 Cwik, John, Chicago, Ill. Wheelbarrow. 1,735,527; Nov. 12.
 Daase, Reinhardt, Youngstown, Ohio. Gas producer. 1,735,380; Nov. 12.
 Dankwart, William J., Corning, Calif. Propeller guard. 1,735,675; Nov. 12.
 Daniel, Earle H., Springfield, Ohio. Power lift for tractors. 1,735,422; Nov. 12.
 Danner, Edward, Toledo, Ohio. Method and apparatus for manufacturing continuous glassware. 1,734,964; Nov. 12.
 Danner, Edward, Toledo, Ohio. Method and apparatus for forming glassware. 1,734,965; Nov. 12.
 Davidson, Allister C., Los Angeles, Calif. Location marker for golf balls and the like. 1,735,796; Nov. 12.
 Davidson, Glenn. (See Rippey, H. F., Davidson, Cone, Laucks, and Banks.)
 Davis, Cortland W., Oak Park, and F. F. Becker, Chicago, Ill. Heat-insulated receptacle. Des. 79,915; Nov. 12.
 Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Liquid-handling means. 1,735,733; Nov. 12.
 Davis, Ernest W., Oak Park, and L. H. Wheeler, assignors to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,735,734; Nov. 12.
 Davis, Frank W., Milford, Del., assignor to S. G. Allen, trustee. Making steel. 1,735,074; Nov. 12.
 Davis, Samuel L., Gurdon, Ark. Indicator. 1,735,735; Nov. 12.
 Day, Charles R., Sewickley, Pa. Manufacturing car wheels. 1,735,423; Nov. 12.
 Deakard, Charles L., Kansas City, Mo. Securing metal end couplings on tubular members. 1,735,563; Nov. 12.
 Delany, Edward L., Brooklyn, N. Y. Handle. 1,735,604; Nov. 12.
 Delco-Light Company. (See Federle, Joseph C., assignor.)
 Delco-Remy Corporation. (See Critchfield, Robert M., assignor.)
 Delph, Andrew, Pottsville, Pa. Loud-speaker. 1,735,528; Nov. 12.
 De Luxe Electric Lighter Company. (See Smith, Joseph L., assignor.)
 Dely, Joseph G., assignor to Chemical Research & Designing Corporation, New York, N. Y. Copper coating. 1,735,000; Nov. 12.
 Dengler, F. Peter, Inc. (See Shostak, Louis, assignor.)
 Dennis, Elmer L., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Dough blender. 1,735,236; Nov. 12.
 Dennis, Elmer L., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Garden tool. 1,735,237; Nov. 12.
 Dennis, K. W., et al. (See Brown, William S., assignor.)
 Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Refrigerating counter. 1,735,495; Nov. 12.
 Densten Felt & Hair Co. (See Densten, John J., assignor.)
 Densten, John J., assignor to Densten Felt & Hair Co., Inc., Philadelphia, Pa. Gun-wad material. 1,735,639; Nov. 12.
 Dent Hardware Co., The. (See Schrader, Thomas O., assignor.)
 Destree, Joseph, Brussels, Belgium. Automatic firearm. 1,735,160; Nov. 12.
 Detroit and Security Trust Company. (See Root, Frank T., assignor.)
 Deutschmann, Tobe C., Boston, assignor to Tobe Deutschmann Corporation, Canton, Mass. Condenser. 1,735,381; Nov. 12.
 Deutschmann, Tobe, Corporation. (See Deutschmann, Tobe C., assignor.)
 Dey, Harry E., deceased, East Orange, N. J.; M. E. Dey, executrix. Brake for automobiles and other vehicles. 1,735,529; Nov. 12.
 Dey, Mary E., executrix. (See Dey, Harry E.)
 Dial, George H., Columbus, Ohio. Tent. 1,735,737; Nov. 12.
 Dierks, De Vere, Kansas City, Mo. Treating lumber. 1,735,001; Nov. 12.
 Dilks, James J., Jr., Philadelphia, Pa. Braking mechanism. 1,735,452; Nov. 12.
 Dissel, Hugo F., Rochester, N. Y. Automatically-operated explosion door. 1,735,238; Nov. 12.
 Dixon, Harry, assignor to Rolscreen Company, Pella, Iowa. Plaster-channel installation for screen guides. 1,735,496; Nov. 12.
 Doerr, Harry E., assignor to Scullin Steel Company, St. Louis, Mo. Freight-car truck or tender truck. 1,735,239; Nov. 12.
 Dodd, West, Des Moines, Iowa. System for protecting petroleum tanks and tank farms against lightning and electrical sparks. 1,735,530; Nov. 12.
 Doolittle, Ora M. (See Alltop, Raymond A., assignor.)
 Doughten, John J., Millerstown, Pa. Waterproofing leather for packing and other purposes. 1,735,564; Nov. 12.

Doughty, Howard W., Amherst, Mass. Fire extinguisher. 1,735,531; Nov. 12.
 Doty, Alfred S. (See Richey, Leon T., assignor.)
 Downs, Charles B. (See Johnston, William G., assignor.)
 Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-surfacing apparatus. 1,735,565; Nov. 12.
 Dravo Contracting Company, The. (See Dravo, Francis R., assignor.)
 Dravo, Francis R., Edgeworth, assignor to The Dravo Contracting Company, Pittsburgh, Pa. Gravel washer. 1,735,738; Nov. 12.
 Dryice Equipment Corporation. (See Martin, James W., Jr., assignor.)
 Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
 Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Variable condenser. 1,735,532; Nov. 12.
 Dufour, René, Paris, France. Method and apparatus for producing spark discharges. 1,735,161; Nov. 12.
 Dulany, George W., Jr. (See Winslow, William H., assignor.)
 Dumin, Friedrich, Sheboygan, Wis. Helmet. 1,735,265; Nov. 12.
 Dunlop Tire & Rubber Corporation. (See Randles, J. T. T., Willshaw, and Smith, assignors.)
 Dunn & Lewis. (See Lewis, James O., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Taylor, G. B., and Zelsberg, assignors.)
 Dura Company, The. (See Graft, George, assignor.)
 Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)
 Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,735,424; Nov. 12.
 Duthie, James A., Philadelphia, Pa. Awning banger. 1,735,814; Nov. 12.
 Dutro, Leslie C., Long Beach, Calif. Lubricator. 1,735,266; Nov. 12.
 Duty, Spencer M., assignor to The Medal Brick and Tile Company, Cleveland, Ohio. Process and apparatus for forming face brick. 1,735,497; Nov. 12.
 Dyer, Harry W., New York, N. Y. Household refrigerator. 1,735,453; Nov. 12.
 Dyer, Harry W., New York, N. Y. Refrigerating apparatus. 1,735,454; Nov. 12.
 Eastman, Joseph P., Manitowoc, Wis. Contact for electrical heater plugs. 1,735,533; Nov. 12.
 Eastman Kodak Company. (See Capstaff, John G., assignor.)
 Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
 Eastman Kodak Company. (See Clarke, H. T., and Malm, assignors.)
 Eastman Kodak Company. (See Favour, Paul, assignor.)
 Eggenweiler, Charles W., and W. J. Fiegel, assignors to Bohm Aluminum and Brass Corporation, Detroit, Mich. Apparatus for coating bearings or the like. 1,735,534; Nov. 12.
 Eichhorn, Gustav, Zurich, Switzerland. Apparatus for amplifying low-frequency speech currents of radio receivers. 1,735,267; Nov. 12.
 Einstein, Robert E., St. Louis, and B. B. Betts, Webster Groves, Mo. Split switch. 1,735,075; Nov. 12.
 Elbon, Nettie M., Charleston, W. Va. Trough-supporting rack. 1,735,739; Nov. 12.
 Elbon, Nettie M., Charleston, W. Va. Rack. 1,735,740; Nov. 12.
 Electric Auto-Lite Company, The. (See Gilchrist, Clarence F., assignor.)
 Electric Outlet Company. (See Merrill, John J., assignor.)
 Elliot, Leon T., Los Angeles, Calif. Process of and apparatus for making aerial photographs. 1,735,169; Nov. 12.
 Ellis, Axel E., Boston, Mass., assignor to M. W. Barber, H. D. Everett, and G. Siegel, board of trustees in Sales Manufacturing Company. Thermostat. 1,735,268; Nov. 12.
 Ellis, Axel E., Long Island City, N. Y., assignor to M. W. Barber, H. D. Everett, and G. Siegel, trustees in Sales Manufacturing Company. Thermostat. 1,735,269; Nov. 12.
 Ellis, Ralph N., assignor of one-half to T. Watters, Jr., and R. W. Coldeh, Des Moines, Iowa. Collapsible-tube top. 1,735,076; Nov. 12.
 Elmendorf, Milton W., assignor to The Pfaunder Company, Rochester, N. Y. Pipe connection for vessels. 1,734,966; Nov. 12.
 Elmwall, Gustave W., New York, N. Y. Fountain pen. 1,735,566; Nov. 12.
 Elzey, Brodehurst, Indianapolis, Ind. Glove. 1,735,676; Nov. 12.
 Ennen, Anthony J., Chicago, Ill. Safety device for rip saws. 1,735,240; Nov. 12.
 Enterprise Oil Burner Company. (See Barley, Harry, assignor.)
 Etienne, Joseph M., San Francisco, Calif. Refrigerating apparatus. 1,735,498; Nov. 12.
 Etkins, Harry, New York, N. Y. Combination head rod and pulley fixture for awnings. 1,735,382; Nov. 12.
 Enstice, Edward A., Galesburg, Ill. Lawn mower. 1,735,567; Nov. 12.
 Evans Auto Loading Co., The. (See Snyder, Clifford L., assignor.)

Evans, Richard, Highland Park, Ill. Cabinet. 1,735,741; Nov. 12.
 Everett, Horace D., et al., board of trustees. (See Ellis, Axel E., assignor.)
 Erie Art Metal Company. (See Knobloch, Walter H., assignor.)
 Extruded Metal Products Company. (See Williams, Stephen L., assignor.)
 Fairfield Engineering Company, The. (See Walker, Henry B., assignor.)
 Favour, Paul, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture screen. 1,735,162; Nov. 12.
 Feagley, Joseph C., assignor to Armstrong Cork Company, Lancaster, Pa. Box-toe blank. 1,735,383; Nov. 12.
 Federal Phosphorus Company. (See Lloyd, S. J., and Kennedy, assignors.)
 Federle, Joseph C., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,735,163; Nov. 12.
 Feldman, Hiram H., Pittsburgh, Pa. Table. 1,735,535; Nov. 12.
 Fenhagen, Frank D., Fairmont, W. Va.; F. H. Rhodes, Ithaca, N. Y.; and T. M. Hesser, Germantown, Pa., assignors to The Barrett Company. Process and apparatus for fractional condensation. 1,735,455; Nov. 12.
 Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Water bowl. 1,735,536; Nov. 12.
 Ferris, Wallace A., Los Angeles, Calif. Form spacer for concrete fireproofing for steel structures. 1,735,198; Nov. 12.
 Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Wave filter. 1,735,742; Nov. 12.
 Fiegel, William J. (See Eggenweiler, C. W., and Fiegel.)
 Fielding, John, North Providence, assignor of one-half to J. P. Whitaker, Apopka, R. I. Bracelet chain. 1,735,384; Nov. 12.
 Files, Adino F., Maumee, Ohio. Dispensing device for material. 1,735,077; Nov. 12.
 Finn, Abraham, Elizabeth, N. J. Safety device for automobiles. 1,735,743; Nov. 12.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Expansion joint. 1,735,270; Nov. 12.
 Fishburn, Otto E., assignor to Warner Gear Company, Muncie, Ind. Shift-lever mounting for automobiles. 1,735,677; Nov. 12.
 Fisher, David, assignor to Paden City Glass Manufacturing Company, Paden City, W. Va. Glass tumbler. Des. 79,881; Nov. 12.
 Fisher, R. Fenton. (See White, Ernest C., assignor.)
 Fisher, Roy, Los Angeles, Calif. Aerial mail catcher. 1,735,385; Nov. 12.
 Fitch, William H., Allentown, Pa. Heating furnace. 1,735,605; Nov. 12.
 Fitch, William H., Allentown, Pa. Heating furnace. 1,735,606; Nov. 12.
 Fitch, William H., Allentown, Pa. Heating furnace. 1,735,607; Nov. 12.
 Fitch, William H., Allentown, Pa. Heating furnace. 1,735,608; Nov. 12.
 Ford, Edward, Plate Glass Company, The. (See Platt, Archie W., assignor.)
 Forse, W. H., Jr., et al. (See Jones, Griffith, assignor.)
 Forslund, Oscar F., Chicago, Ill. Check holder and punch. 1,735,241; Nov. 12.
 Fortkamp, Herman, Chickasaw, Ohio. Changeable sign. 1,735,386; Nov. 12.
 Foust, William E. (See Walsh, E. F., and Foust.)
 Fox, A. H., Gun Company. (See Henke, Frederick, assignor.)
 Fox, A. H., Gun Company. (See Paxson, Walter R., assignor.)
 Franck, René, Selestat, France. Making endless wire fabrics. 1,735,640; Nov. 12.
 Franklin Development Corporation. (See Purdy, Lewis J., assignor.)
 Franklin Simon & Company. (See Long, Dorothy, assignor.)
 Frederick, Charles H., assignor to Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Advertising sign. 1,735,040; Nov. 12.
 Frederick Iron & Steel Company, The. (See Hargis, George E., assignor.)
 Fredericks, Louis T., assignor to Chicago Mica Company, Valparaiso, Ind. Disk-assembling mechanism. 1,735,609; Nov. 12.
 Fredericks, E. Inc. (See Brown, James C., assignor.)
 French Road Company. (See Rueppel, Frederick, assignor.)
 Fried, Krupp Aktiengesellschaft. (See Fry, Adolf, assignor.)
 Friedrich Deckel Fabrik für Präzisionsmechanik und Maschinenbau. (See Braren, Lorenz K., assignor.)
 Froesch, Charles, Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Vehicle construction. 1,735,425; Nov. 12.
 Frost, Mayri M., Capac, Mich. Production of fiber articles. 1,735,426; Nov. 12.
 Frost, Mayri M., Capac, Mich. Production of fiber articles. 1,735,427; Nov. 12.
 Frost, Mayri M., Capac, Mich. Production of fiber articles. 1,735,428; Nov. 12.
 Frost, Mayri M., Capac, Mich. Production of fiber articles. 1,735,429; Nov. 12.

Fry, Adolf, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Steel alloy. 1,735,744; Nov. 12.

Fulpius, Edmond, Geneva, Switzerland, assignor of one-half to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Thrust bearing. 1,735,315; Nov. 12.

Funk, Charles J., assignor to The Wahl Company, Chicago, Ill. Assembling ribs and feed members for fountain pens. 1,735,199; Nov. 12.

Gaatz, Wilhelm, and J. Sorge, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Quick-responding leakage relay. 1,735,002; Nov. 12.

Gabbert, Kenneth E. (See Aldrich, M. J., Seitz, and Gabbert.)

Gains, Chester R., Muscatine, Iowa. Clock case. Des. 79,916; Nov. 12.

Gallagher, Arthur D., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, Lister cultivator. 1,735,568; Nov. 12.

Gallison, Ernest A., Watertown, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Pumping mechanism. 1,735,110; Nov. 12.

Garcia, Isidro, Buenos Aires, Argentina. Marine turbine. 1,735,841; Nov. 12.

Gardner, Fred G., Hohokus, N. J., assignor to American Telephone and Telegraph Company. Carrier-telephone alarm system. 1,735,041; Nov. 12.

Gardner, George D., San Jose, Calif., assignor to Sprague-Sells Corporation, Hoopesville, Ill. Variable time cooker. 1,735,242; Nov. 12.

Gariglio, Joseph, New York, N. Y. Safety attachment for extractors. 1,735,745; Nov. 12.

Garman, Raymond H., Wilmette, Ill. Educational device. 1,735,456; Nov. 12.

Gathmann, Fred, Ridgefield, N. J. Dough-cutting machine. 1,735,111; Nov. 12.

Gavett, Weston, Plainfield, N. J. Mechanical removal of solids from clarification tanks, etc. 1,734,967; Nov. 12.

Geer, Harry R., Johnstown, Pa., assignor to Bethlehem Steel Company. Rolling mill. 1,735,746; Nov. 12.

Gehrich, Charles L., Long Island City, N. Y. Treating emery wheels. 1,735,747; Nov. 12.

General Aniline Works, Inc. (See Günther, Fritz, assignor.)

General Aniline Works, Inc. (See Mieg, W., and Raeder, assignors.)

General Aniline Works, Inc. (See Weinand, Klaus, assignor.)

General Motors Corporation. (See Menges, Albert C., assignor.)

General Spring Rumper Corporation. (See Jandus, H. S., and Keeler, assignors.)

Genier Thickener Company. (See Cruickshank, Graham, assignor.)

Gerschütz, Severin. (See Strauss, S., and Gerschütz.)

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schaffer, Walter, assignor.)

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schmidt, Arthur, assignor.)

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Stürner, Otto, assignor.)

Gibson, George H., Upper Montclair, N. J. Furnace-regulating system. 1,735,678; Nov. 12.

Gilchrist, Clarence F., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Switch. 1,735,112; Nov. 12.

Gillespie, Loren L., Hopkins, Mo. Egg-crate-filling apparatus. 1,735,042; Nov. 12.

Gillett, Frank B. (See Williams, A. D., Gillett, and Clark.)

Gilson, Lorenzo H., Brockton, assignor to P. E. Barbour, Quincy, doing business as Barbour Welding Company, Brockton, Mass. Welt shoe and weltting therefor. 1,735,457; Nov. 12.

Giraud, Victor G., Paris, France. Closure. 1,735,430; Nov. 12.

Girin, Antoine, Lyon, France. Carburetor. 1,735,499; Nov. 12.

Glenn, Jugurtha W., F. R. Hood, and J. B. Schwab, Stockton, Calif. Vegetable conditioner. 1,735,748; Nov. 12.

Globe-Werke Company, The. (See Thies, Urban C., assignor.)

Gnatowsky, Irving, Brooklyn, N. Y. Collar clasp. 1,735,387; Nov. 12.

Goertz, August, & Co. (See Goertz, Frederick, assignor.)

Goertz, August, & Co. (See Wacker, William E., assignor.)

Goertz, Frederick, South Orange, N. J., assignor to August Goertz & Co., Inc. Decorating boxes. 1,735,431; Nov. 12.

Goldberg, Max, New York, N. Y. Machine for processing fibrous filling materials. 1,735,749; Nov. 12.

Goldberg, Morris. (See Sacks, D., and Goldberg.)

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Combined electric phonograph recorder and reproducer. 1,735,113; Nov. 12.

Goldsmith, Samuel R., Brooklyn, N. Y. Hand pocketbook and bag. 1,735,043; Nov. 12.

Good, Charles H. (See Stringham, John H., assignor.)

Goodall, Fred E., and R. H. Van Sant, Chicago, Ill. Apparatus for treating fluid with ultraviolet light. 1,735,610; Nov. 12.

Goodrich, B. F., Company, The. (See McClellan, Joseph J., assignor.)

Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Therapeutic lamp. 1,735,679; Nov. 12.

Goodyear Tire & Rubber Company, The. (See Campbell, Wallace H., assignor.)

Goodyear Tire & Rubber Company, The. (See Haase, Jorgen I., assignor.)

Goodyear Tire & Rubber Company, The. (See Kimmich, Elmer G., assignor.)

Goodyear Tire & Rubber Company, The. (See Maas, Elmer F., assignor.)

Goodyear Tire & Rubber Company, The. (See Meyer, F. H., and Klaus, assignors.)

Goodyear Tire & Rubber Company, The. (See Tiffany, John B., assignor.)

Goodyear Tire & Rubber Company, The. (See Van Rennes, Cornelius, assignor.)

Goss Printing Press Company, The. (See Cox, Paul F., assignor.)

Gosselin, Albert H. (See Claude, G., and Gosselin.)

Gould & Eberhardt. (See Zimmermann, William F., assignor.)

Graft, George, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Motor-vehicle robe-rail fixture. Des. 79,882; Nov. 12.

Greeley, Philip H., Washington, D. C. Low-frequency electric amplifier circuits. 1,735,750; Nov. 12.

Green, Estill L., East Orange, N. J., assignor to American Telephone and Telegraph Company. Frequency-equalization carrier system. 1,735,044; Nov. 12.

Green, Ira, et al. (See Hammill, Paul J. A., assignor.)

Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Drive mechanism. 1,735,459; Nov. 12.

Green, Samuel G., Gray, Ga. Recoil mount for guns. 1,735,164; Nov. 12.

Green, Thomas C., Nashville, Tenn. Safety razor. 1,735,751; Nov. 12.

Green, Victor P. H., et al. (See Hammill, Paul J. A., assignor.)

Greenburg, Meyer, assignor to National Refrigerator Co., Philadelphia, Pa. Refrigerator show case. 1,735,642; Nov. 12.

Gregory, Alva E., Oklahoma City, Okla. Adjustment table. 1,735,599; Nov. 12.

Gresak, Matthew, Du Bois, Pa. Extensible window screen. 1,735,458; Nov. 12.

Grieshaber, Emil, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Valve gear. 1,735,045; Nov. 12.

Griggs, Thomas F. (See Cotter, T., and Griggs.)

Groff, Suttin H., Long Beach, Calif. Diathermy knife. 1,735,271; Nov. 12.

Gronberg, Victor A. (See Card E. J., and Gronberg.)

Grossman, Samuel, et al. (See Grossman, Samuel, assignor.)

Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, copartners doing business as Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 79,883; Nov. 12.

Grube, Jesse R., North Bergen, and L. F. Munach, Secaucus, N. J. Slack adjuster for brakes. 1,735,752; Nov. 12.

Guéne, Albert C. J., Villemomble, France. Electromagnetic railroad-switch operating device. 1,735,753; Nov. 12.

Gulberson Corporation, The. (See Crickmer, Charles S., assignor.)

Guihen, Joseph P., Kansas City, Mo. Clothesline prop. 1,735,200; Nov. 12.

Günther, Fritz, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Manufacture of quinone derivatives. 1,735,432; Nov. 12.

Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-building machine. 1,735,680; Nov. 12.

Habib, Joseph, New York, N. Y. Safety razor. 1,735,388; Nov. 12.

Hagist, Herman J., Beech Grove, assignor to International Printing Company, Indianapolis, Ind. Carton sealer. 1,735,681; Nov. 12.

Hagman, Harry C., assignor to H. P. Boos, Minneapolis, Minn. Attaching device for dentures. 1,735,537; Nov. 12.

Hahnemann, Paul R., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Slip-roll-forming machine. 1,735,243; Nov. 12.

Hahnemann, Walter, Kitzberg, near Kiel, and H. Hecht and B. Nielsen, Kiel, assignors to Signal Gesellschaft m. b. H., Bremen, Germany. Method and arrangement of directional wave reception and emission. 1,735,460; Nov. 12.

Hake, Elmer C., Covington, Ky., and S. S. Sellman, Cincinnati, Ohio; said Hake assignor to said Sellman. Dispensing device. 1,734,968; Nov. 12.

Hall, Hartwell & Co. (See Hunter, Ralph, assignor.)

Hall, Richard B., Madison, Wis. Exercising device. 1,735,538; Nov. 12.

Hall, William G., Manila, P. I. Cane shredding and feeding mechanism. 1,735,389; Nov. 12.

Halle Brothers Company, The. (See Weisenberg, William, assignor.)

Hallwell, John J., deceased, by M. A. Hallwell, executrix, Tuckahoe, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y. Tension device for web rolls. 1,735,570; Nov. 12.

Hallwell, Margaret A., executrix. (See Hallwell, John J.)

Halsted, Mary, Ormond, Fla. Pan lifter. 1,735,500; Nov. 12.

Hambill, Fred B., assignor to The Weightograph Company, St. Louis, Mo. Scale. 1,735,571; Nov. 12.

Hamill, Fred B., et al., executors. (See Heinz, Julius A.)

Hamilton, George H., assignor to American Seating Company, Grand Rapids, Mich. Lighting means. Ref. 7,485; Nov. 12.

Hamilton, Joe W., Atlanta, Ga. Electrical connector. 1,735,316; Nov. 12.

Hammill, Paul J. A., assignor of one-third to I. Green and one-third to V. P. H. Green, Hamilton, Ontario, Canada. Adjustable metal window screen. 1,735,501; Nov. 12.

Hance, Edward B., Camden, N. J. Ironing-board table. 1,735,078; Nov. 12.

Hand, Albert E., Olean, N. Y. Boiler-tube puller. 1,735,272; Nov. 12.

Handlan, Alexander H., St. Louis, Mo. Signal lamp. 1,735,572; Nov. 12.

Handy, Lucien H., Oakland, assignor to Handy Self-Cleaning Flush Valve Co., San Francisco, Calif. Flush valve. 1,735,244; Nov. 12.

Handy Self-Cleaning Flush Valve Co. (See Handy, Lucien H., assignor.)

Hannum, John A. (See Chisholm, D. C., and Hannum.)

Hanson, C. H., Company. (See Band, Henry C., assignor.)

Hardinge Brothers, Inc. (See Hardinge, Franklin, assignor.)

Harding, Franklin, assignor to Harding Brothers, Inc., Chicago, Ill. Oil burner. 1,735,245; Nov. 12.

Harris, George R., assignor to The Frederick Iron & Steel Company, Frederick, Md. Liner for centrifugal pumps. 1,735,754; Nov. 12.

Harris, Benjamin R., Chicago, Ill. Envelope. 1,735,273; Nov. 12.

Harris, Burton S., and H. M. Johnston, assignors to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Reaper thrasher. 1,735,755; Nov. 12.

Harris, Carl C., Orange, Mass. Finger moistener. 1,735,046; Nov. 12.

Harris, Edwin J., Kansas City, Mo. Bottle-handling device. 1,735,502; Nov. 12.

Hart, Bert, and Forest Holmes, Carthage, N. Y. Ice-cream-dipper scraper. 1,735,756; Nov. 12.

Hartford-Empire Company. (See Mulholland, Vergil, assignor.)

Hartford-Empire Company. (See Peller, Karl E., assignor.)

Hartley, Charles. (See Oldham, Oliver, assignor.)

Harvey, William D., assignor to American Steel Products Co., Macomb, Ill. Incubator heater. 1,735,246; Nov. 12.

Hashimoto, Lois H., Salt Lake City, Utah. Artificial-flower clothes ornament. Des. 79,884; Nov. 12.

Hatashita, Seao, Lima, Ohio. Trailer. 1,734,969; Nov. 12.

Haupt, Charles H., Elisabeth, N. J., assignor to Standard Oil Development Company. Sealing floating roofs. 1,735,461; Nov. 12.

Haverstick, Earl J., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short-circuiting device. 1,735,114; Nov. 12.

Hayden, Benjamin F., St. Louis, Mo., assignor to The Ryland Realty & Construction Company, Inc., Cincinnati, Ohio. Brick-making machinery. 1,735,274; Nov. 12.

Hazard, B. G., et al., executors. (See Kaye, Samuel.)

Hazel-Atlas Glass Co. (See Stenhouse, David, assignor.)

Head, Roscoe A., Cedar Vale, Kans. Bundle holder for corn binders. 1,735,275; Nov. 12.

Hearn, Roy F., assignor to The Willis-Overland Company, Toledo, Ohio. Spark and throttle control. 1,735,247; Nov. 12.

Hecht, Heinrich. (See Hahnemann, W., Hecht, and Nielsen.)

Heckman, W. H. (See Melley, J. J., and Chapman, assignors.)

Heddon, James, Sons. (See Welch, Jack T., assignor.)

Heed, Karl G. (See Olson, Nils G., assignor.)

Heidel, Walter C., Oak Park, Ill. Foot support for ladders. 1,735,003; Nov. 12.

Heinz Floral Rack Co. (See Heinz, Julius A., assignor.)

Heinz, Julius A., deceased, by K. K. Heinz, Pesotum, and F. B. Hamill, Champaign, executors, assignors, by mesne assignments, to Heinz Floral Rack Co., Chicago, Ill. Floral rack. Ref. 7,487; Nov. 12.

Heinz, Julius A., deceased, by K. K. Heinz, Pesotum, and F. B. Hamill, Champaign, executors, assignors, by mesne assignments, to Heinz Floral Rack Co., Chicago, Ill. Floral rack. Ref. 7,488; Nov. 12.

Heinz, Kathryn K., et al., executors. (See Heinz, Julius A.)

Heisey, A. H., and Company. (See Heisey, Thomas C., assignor.)

Heisey, Thomas C., assignor to A. H. Heisey and Company, Newark, Ohio. Plate or article of similar nature. Des. 79,885; Nov. 12.

Helmer, Louis, New York, N. Y. Apparatus for conditioning air. 1,735,611; Nov. 12.

Helwig, Anna. (See Helwig, John H., A., and W.)

Helwig, John H., A., and W., St. Paul, Minn. Bolt and wire cutter. 1,735,317; Nov. 12.

Helwig, Wilhelmina. (See Helwig, John H., A., and W.)

Henderson, Harry M., Washington, D. C. Measuring valve. 1,735,390; Nov. 12.

Henderson, John C., New York, N. Y., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Drawing continuous sheet glass. 1,735,573; Nov. 12.

Henglein, Friedrich A., Cologne-Deutz, and F. Schleicher, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture and production of acetic acid anhydride from acetic acid. 1,735,433; Nov. 12.

Henk, Wilhelm, Vienna, Austria. Projector table. 1,735,276; Nov. 12.

Henke, Frederick, assignor, by mesne assignments, to A. H. Fox Gun Company, Philadelphia, Pa. Cartridge for toy guns. 1,735,079; Nov. 12.

Henry, George W., Jr., Philadelphia, assignor to Soarbar Company, Philadelphia, Pa. Feeding tags and like articles and mechanism therefor. 1,735,643; Nov. 12.

Herald, M. A., et al. (See Stebler, William J., assignor.)

Herbert, Charles C., San Jose, Calif. Clothes-washing machine. 1,735,391; Nov. 12.

Herrmann, Ernest W. F., San Antonio, Tex. Plunger. 1,735,757; Nov. 12.

Hertz, Gustav, assignor to Naamloze Vennootschap Philips' Gloeilampen Fabrieken, Eindhoven, Netherlands. Electron-emitting cathode. 1,735,080; Nov. 12.

Hertzberg, Harry, Brooklyn, N. Y. Tuft fastener for wire brushes. 1,735,277; Nov. 12.

Hertzberg, Harry, Brooklyn, N. Y. Universal mop. 1,735,278; Nov. 12.

Hertzberg, Harry, Brooklyn, N. Y. Wet mop. 1,735,279; Nov. 12.

Hertzberg, Harry, Brooklyn, N. Y. Mop with wringer attachment. 1,735,280; Nov. 12.

Hertzberg, Harry, Brooklyn, N. Y. Mop and wringer combined. 1,735,281; Nov. 12.

Hess, Joseph J., assignor to International Printing Company, Indianapolis, Ind. Display carton. 1,735,682; Nov. 12.

Hesser, Theodore M. (See Fenhagen, F. D., Rhodes, and Hesser.)

Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)

Hickok Manufacturing Company. (See Valsey, Harold C., assignor.)

Higgins, George D., Los Angeles, Calif. Flying machine. 1,735,115; Nov. 12.

Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Multifocal lens. 1,735,758; Nov. 12.

Hill, Nikolai, Mellen, Wis. Brush and mop holding handle. 1,735,644; Nov. 12.

Hiller, Stanley, Oakland, Calif. Treating materials. 1,735,395; Nov. 12.

Hiller, Stanley, Oakland, Calif. Drying process. 1,735,397; Nov. 12.

Hiller, Stanley, assignor to Stanley Hiller, Inc., Oakland, Calif. Distilling solid carbonaceous material. 1,735,394; Nov. 12.

Hiller, Stanley, assignor to Stanley Hiller, Inc., Oakland, Calif. Process and apparatus for pulverizing and drying solids. 1,735,396; Nov. 12.

Hiller, Stanley, San Jose, assignor to Stanley Hiller, Inc., San Francisco, Calif. Apparatus for cooking materials. 1,735,392; Nov. 12.

Hiller, Stanley, San Jose, assignor to Stanley Hiller, Inc., Oakland, Calif. Apparatus for treating materials. 1,735,393; Nov. 12.

Hiller, Stanley, Inc. (See Hiller, Stanley, assignor.)

Hogland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Auxiliary tool-rotating device for boring and drilling machines. 1,735,398; Nov. 12.

Hoe, R. & Co. (See Halliwell, John J., assignor.)

Hoffmann, Edward A., assignor to Clinton Motors Corporation, Reading, Pa. Closure for tank openings. 1,735,683; Nov. 12.

Hofford, William F., near Modoc, Ind. Interlocking joint. 1,735,574; Nov. 12.

Hofmann, Alfred, Fort Lee, and O. Kanis, assignors to Alfred Hofmann Needle Works, Inc., Union City, N. J. Needle-making machine. 1,735,760; Nov. 12.

Hofmann, Alfred Needle Works, Inc. (See Hofmann, A., and Kanis, assignors.)

Hohensteln, Max A., New York, N. Y. Slipper. 1,735,434; Nov. 12.

Holmes, Forest. (See Hart, B., and Holmes.)

Holzberg, Wilhelm. (See Talalay, J., and Holzberg.)

Hood, Frank R. (See Glenn, J. W., Hood, and Schwab.)

Hookless Fastener Company. (See Nicholson, Robert H., assignor.)

Hopkins, Ralph Z., and E. F. Seger, assignors to Hudson Motor Car Company, Detroit, Mich. Stencil. 1,735,004; Nov. 12.

Hornby, Charles H., Schenectady, N. Y. Electric water heater. 1,735,165; Nov. 12.

Hosell, Fred, Eburne, British Columbia, Canada, and W. H. Peterman, Waconia, Minn. Page-turning device. 1,735,166; Nov. 12.

Hostetter, Abram E., Hope, Kans. Harmonica. 1,735,645; Nov. 12.

Hotchkiss, Paul M., Chicago, Ill. Closure for flood-light projectors. 1,735,248; Nov. 12.
Howard, James R., Tulsa, Okla. Ventilator. 1,735,760; Nov. 12.
Hoy, Henry W. S., Dunedin, Otago, New Zealand. Gramophone. 1,735,283; Nov. 12.
Hubbard, Roy G., Hastings, Mich. Shipping receptacle. 1,735,284; Nov. 12.
Hudson Motor Car Company. (See Hopkins, R. Z., and Seger, assignors.)
Hudson Motor Car Company. (See Toncray, Millard H., assignor.)
Huer, James E., Wilmington, N. C. Automatic switch. 1,735,761; Nov. 12.
Huey, Leslie P., St. Louis, Mo. Memorandum book. 1,735,318; Nov. 12.
Huffman, Charles A., Longview, Wash., assignor of one-half to The Long-Bell Lumber Company, Kansas City, Mo. Yielding anvil-knife table for masticating hogs. 1,735,823; Nov. 12.
Huffman, Charles A., Longview, Wash., assignor of one-half to The Long-Bell Lumber Company, Kansas City, Mo. Yielding anvil-knife door for grinding or masticating hogs. 1,735,824; Nov. 12.
Hug, Christian J., assignor to The Hug Company, Highland, Ill. Measuring device. 1,735,249; Nov. 12.
Hug Company, The. (See Hug, Christian J., assignor.)
Humble Oil & Refining Company. (See Wiess, Harry C., assignor.)
Hunt, Helm, Ferris & Company. (See Ferris, Howard J., assignor.)
Hunter, Ralph, New York, assignor to Hall, Hartwell & Co., Inc., Troy, N. Y. Attached collar and making same. 1,735,399; Nov. 12.
Hutchens, Edward, Milwaukee, Wis. Washer-conditioning machine. 1,735,612; Nov. 12.
Huthmacher, Harry, Irvington, N. J. Timing mechanism. 1,735,762; Nov. 12.
Hydraulic-Press Brick Company. (See Ivery, Sidney H., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Henglein, F. A., and Schleicher, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Meiser, W., Schubardt, and Kramer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Münch, Edward, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Winkler, assignors.)
Ide, Harry H., La Grange, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Variable condenser. 1,735,435; Nov. 12.
Ideal Wrapping Machine Co. (See Sergeant, Walter H., assignor.)
Industrial Rayon Corporation. (See Tenca, Louis P., assignor.)
Industrial Research Corporation. (See Jerdone, Francis, Jr., assignor.)
Ingersoll-Rand Company. (See Smith, William A., Jr., assignor.)
Ingersoll-Rand Company. (See Smith, William A., Sr., and W. A., Jr., assignors.)
Ingram-Richardson Manufacturing Company. (See Frederick, Charles H., assignor.)
International Printing Company. (See Harist, Herman J., assignor.)
International Printing Company. (See Hess, Joseph J., assignor.)
International Motor Company. (See Bolger, Robert S., assignor.)
International Motor Company. (See Froesch, Charles, assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Motor Company. (See Nein, Charles L., assignor.)
Interstate Iron and Steel Company. (See Blocker, Asa T., assignor.)
Interstate Iron and Steel Company. (See Leonard, Edwin E., assignor.)
Ironside, James. (See Blaskewitz, W., Overly, Lambert, and Ironside.)
Ivery, Sidney H., assignor to Hydraulic-Press Brick Company, St. Louis, Mo. Salt-glazing brick and other clay products. 1,735,167; Nov. 12.
Jacobsen, Emil, Port Washington, N. Y., assignor, by means assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,735,573; Nov. 12.
Jaeger, Alphonse O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of organic compounds. 1,735,763; Nov. 12.
Jamestown Metal Equipment Co. (See Card, E. J., and Gronberg, assignors.)
Janda, Rudolph W., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Clutch and driving means. 1,735,201; Nov. 12.
Jandus, Herbert S., and E. R. Keeler, assignors to General Spring Bumper Corporation, Detroit, Mich. Clamp plate for vehicle bumper. Des. 79,886; Nov. 12.
Jefferson Electric Company. (See Johnson, Chester A., assignor.)
Jelke, John F., Company. (See Steele, W. M., and Allen, assignors.)

Jenson, James B., Salt Lake City, Utah. Process and apparatus for treating petrogen containing substances. 1,734,970; Nov. 12.
Jerdone, Francis, Jr., assignor to Industrial Research Corporation, Toledo, Ohio. Starter for engines. 1,735,250; Nov. 12.
Johanson, Carl U., et al. (See Anderson, Carl J., assignor.)
Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Tool-spindle brake mechanism. 1,735,400; Nov. 12.
Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Band-brake stop for drill feed shafts. 1,735,401; Nov. 12.
Johnson, Alfred J., assignor to York Band Instrument Company, Grand Rapids, Mich. Saxophone. 1,735,576; Nov. 12.
Johnson, Alvin L., Worcester, Mass., assignor to Walker Manufacturing Company, Racine, Wis. Jack. 1,735,830; Nov. 12.
Johnson, Chester A., assignor to Jefferson Electric Company, Chicago, Ill. Outlet box. 1,734,971; Nov. 12.
Johnson, Clifford J., near Leland, Ill. Corn harvester. 1,734,972; Nov. 12.
Johnson, Ellis. (See Natzke, Reipol H., assignor.)
Johnson, John F., Westfield, N. J., assignor to Standard Oil Development Company. Treating hydrocarbons. 1,735,462; Nov. 12.
Johnson, Noble M., Detroit, Mich. Internal-combustion engine. 1,735,764; Nov. 12.
Johnston, Howard M. (See Harris, B. S., and Johnston.)
Johnston, William G., assignor to C. B. Downs, Philadelphia, Pa. Oil-burning apparatus. 1,735,463; Nov. 12.
Jones, David, Gorphwipa, Tireded, Gnamman, Wales. Bearing for rolling mills and the like. 1,735,319; Nov. 12.
Jones, Edwin A., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Carburetor. 1,735,202; Nov. 12.
Jones, Gordon F., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,735,116; Nov. 12.
Jones, Griffith, assignor of one-half to H. G. Neely and one-half to W. H. Forse, Jr., Anderson, Ind. Practice keyboard. 1,735,577; Nov. 12.
Jones, Raymond B. (See Lindsay, Roy W., assignor.)
Joyce, James D., Philadelphia, Pa. Attachment for bobbin winding machines. 1,735,849; Nov. 12.
Jurgensen, August P., assignor to Concentric Air Cells Automatic Company, Philadelphia, Pa. Making air-cell pipe covering. 1,735,684; Nov. 12.
Kaiman Steel Company. (See White, William E., assignor.)
Kanis, Edwin. (See Hofmann, A., and Kanis.)
Karlbo, Edmond C. See Pearce, E. S., Ketterer, and Karlbo.)
Karpf, Charles O., Brooklyn, N. Y., assignor to Mannington Mills, Inc., Salem, N. J. Decorating floor coverings. 1,735,765; Nov. 12.
Kauffman, Samuel, St. Louis, Mo. Radiator inclosure. 1,735,436; Nov. 12.
Kautz, Jacob, Chicago, Ill. Hair clipper. 1,735,766; Nov. 12.
Kaye, Samuel, deceased, Columbus, Miss.; B. G. Hazard and R. Weaver, executors. Siphon circulating system for automobiles. 1,735,613; Nov. 12.
Keck, George S., Pasadena, Calif., assignor to Pilot Ray Corporation, Wilmington, Del. Dirigible headlight for automobiles. 1,735,437; Nov. 12.
Keeler, Everett R. (See Jandus, H. S., and Keeler.)
Keister, E. L., et al. (See Brown, William S., assignor.)
Kethley, Ernest C., Detroit, Mich., assignor to The Superheater Company, New York, N. Y. Boiler. 1,735,464; Nov. 12.
Keller, Albert T., Bethlehem, and R. H. Stevens, Johnston, Pa., assignors to Bethlehem Steel Company. Drive for roller tables in rolling mills. 1,735,767; Nov. 12.
Kellogg Switchboard & Supply Company. (See Ide, Harry H., assignor.)
Kennedy, Abner M. (See Lloyd, S. J., and Kennedy.)
Kenyon, John, Detroit, Mich. Automatic-turntable stop. 1,735,251; Nov. 12.
Kieley, James F., Syracuse, N. Y. Number-plate-printing machine. 1,735,252; Nov. 12.
Kiger, Omar C., and R. Shelton, Yakima, Wash. Relief valve for pressure pumps. 1,735,117; Nov. 12.
Kikuchi, Yukio, Montclair, N. J. Gear transmission. 1,735,578; Nov. 12.
Kikuchi, Yukio, Montclair, N. J. Transmission. 1,735,685; Nov. 12.
Kilburn, John B., Ocean City, N. J. Car seat. 1,735,320; Nov. 12.
Kilburn, John B., Ocean City, N. J. Car seat. 1,735,321; Nov. 12.
Kilcullen, Patrick J., Philadelphia, Pa. Speed changing device. 1,735,203; Nov. 12.
Kimmich, Elmer G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Belt joint and making the same. 1,735,686; Nov. 12.
King, William R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Terminal for heating units. 1,735,168; Nov. 12.
Kirk, Edward B., Boston, assignor to American Optical Company, Southbridge, Mass. Apparatus for testing eyes. 1,735,005; Nov. 12.
Kirchbraun, Lester, assignor of one-half to F. L. Belknap, Chicago, Ill. Making asphalt. 1,735,503; Nov. 12.

Kitson Machine Shop. (See Shaw, William, assignor.)
Klaus, Fred R. (See Meyer, F. H., and Klaus.)
Klebanoff, David, et al. (See Grossman, Samuel, assignor.)
Klebanoff and Grossman. (See Grossman, Samuel.)
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Kline, Edward C., Streator, Ill. Heating apparatus. 1,735,438; Nov. 12.
Kling, Fred E., Youngstown, Ohio. Regenerative furnace. 1,735,687; Nov. 12.
Knapp, Fred H., Corporation, The. (See Koch, William J., assignor.)
Kniebel, William L., San Diego, Calif. Boiler compound. 1,735,402; Nov. 12.
Kniesly, Oliver A. (See Schwanzel, L. G., and Kniesly.)
Knobloch, Walter H., Erie, assignor to Erie Art Metal Company, Millcreek Township, Erie County, Pa. Corner structure. 1,735,047; Nov. 12.
Knowles, Alexander S. (See Cox, T., Regna, and Knowles.)
Knox, Charles B., Gelatine Company. (See Neff, Andrew, assignor.)
Koch, William J., Midland Park, assignor to The Fred H. Knapp Corporation, Ridgewood, N. J. Can guide. 1,735,825; Nov. 12.
Kolb, Charles F., Chicago, Ill. Recess bed. 1,735,006; Nov. 12.
Kooperstein, Louis, Astoria, assignor to West Disinfecting Company, Long Island City, N. Y. Liquid-soap-dispensing device. 1,735,465; Nov. 12.
Kortenbach, August, Jr., Weyer, Germany. Umbrella device. 1,735,255; Nov. 12.
Kotelnik, Jaroslav, Prague-Smichow, Czechoslovakia. Apparatus for heating liquids in tanks. 1,735,169; Nov. 12.
Kramer, Oskar. (See Meiser, W., Schubardt, and Kramer.)
Krantz, Hubert J. M. C., Aachen, Germany. Control mechanism for centrifugal machines. 1,735,204; Nov. 12.
Krasberg, Rudolf, Chicago, Ill. Ventilating-sash fastener. 1,735,081; Nov. 12.
Krause, Hermann F., assignor to Stont Manufacturing Company, Menomonee Falls, Wis. Milk-bottle washer. 1,735,539; Nov. 12.
Krebs, William J., Dayton, Ohio. Musical instrument. 1,734,973; Nov. 12.
Krell, George, and G. M. Martinet, Sapulpa, Okla., said Martinet assignor to said Krell. Speed transformer. 1,735,768; Nov. 12.
Kruher, Harry B. (See Moore, Ralph S., assignor.)
Kucha, Charles L., Artesian, S. Dak. Mower guard. 1,735,322; Nov. 12.
Kucher, Andrew A., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Working fluid for refrigeration. 1,735,170; Nov. 12.
Kultral, Tsunetaro, Nakano-Machi, Toyotama-Gori, and S. Ueki, Oji-Machi, Kitatoshima-Gori, Tokyo Prefecture, assignors to Zaidan Hojin Rikagaku Kenkyujo, Hongo-Ku, Tokyo, Japan. Coating metallic aluminum or aluminum alloys with aluminum oxide skin. 1,735,286; Nov. 12.
Kunz, Ludwig, New York, N. Y., assignor to The Lash's Products Company, San Francisco, Calif. Preparing fruit syrups. 1,735,118; Nov. 12.
Kunze, Walter, Berlin, Germany, assignor to Radio Corporation of America. Beat-frequency heterodyne receiver arrangement. 1,735,171; Nov. 12.
Kurs & Kasch Company, The. (See Copeland, Harry N., assignor.)
Laine, Clarence G., Evansville, Ind., assignor of one-half to A. G. Millerlei, Vanderburgh County, Ind. Cigarette-dispensing case. 1,735,253; Nov. 12.
Lambert, Charles F. (See Blaskewitz, W., Overly, Lambert, and Ironside.)
Landaw, Oak, assignor to Mutschler Brothers Company, Nappanee, Ind. Kitchen cabinet. 1,735,119; Nov. 12.
Lanes, Nathan, New York, N. Y. Pressure filter for liquids. 1,735,007; Nov. 12.
Langsdorf, Jesse E., Woodmere, N. Y. Necktie. 1,735,172; Nov. 12.
Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Short-circuiting device for motor commutators. 1,735,579; Nov. 12.
Lash's Products Company, The. (See Kunz, Ludwig, assignor.)
Lasker, George, Chicago, Ill. Weather-strip support. 1,735,048; Nov. 12.
La Societe Chimique de la Grande Paroisse, Azole & Produits Chimiques. (See Claude, G., and Gosselin, assignors.)
Laucks, Irving F. (See Rippey, H. F., Davidson, Cone, Laucks, and Banks.)
Layman, Jackson W., Marionville, Mo. Heat-controlled electric switch. 1,735,614; Nov. 12.
Lea, John M., Detroit, Mich. Fuel-injection system. 1,735,439; Nov. 12.
Lee, Harry S., Plymouth, Mich. Mold coating. 1,735,120; Nov. 12.
Lehmann, Otto, Bienne, Switzerland. Device for removing foreign bodies from the gutlet of animals, especially of ruminants. 1,735,287; Nov. 12.
Leightman, Alex. (See Urbanek, John A., assignor.)
Leinert, Charles H., assignor to Leinert Valve Company, Chicago, Ill. Valve for compressors. 1,735,206; Nov. 12.
Leinert Valve Company. (See Leinert, Charles H., assignor.)

Le May, John, assignor to Aurora Metal Company, Aurora, Ill. Packing. 1,735,466; Nov. 12.
L'Enfant, Charles, New York, N. Y. Container. 1,735,323; Nov. 12.
L'Enfant, Charles, New York, N. Y. Container. 1,735,324; Nov. 12.
L'Enfant, Charles, New York, N. Y. Container. 1,735,325; Nov. 12.
Leonard, Edwin E., assignor to Interstate Iron and Steel Company, Chicago, Ill. Strip-feeding machine. 1,735,288; Nov. 12.
Lester, Nathan, assignor to P. & R. Tool Company, Inc., Worcester, Mass. Casting apparatus for laminated rotors. 1,735,049; Nov. 12.
Lévy, Jack R., assignor to Société en Commandite par Actions Oscar Lévy, ses Fils & Cie. (Société des Chausseries Cecil), Paris, France. Distributing device. 1,735,504; Nov. 12.
Lewis, Eric C., Teddington, assignor to The Automotive Engineering Company, Limited, Twickenham, England. Permanent metal foundry mold. 1,734,974; Nov. 12.
Lewis, Frank W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Bolster mounting. 1,735,830; Nov. 12.
Lewis, James O., assignor, by mesne assignments, to Dunn & Lewis, Tulsa, Okla. Repressuring oil sands. 1,735,646; Nov. 12.
Lewis, Wilbur S., Lakewood, assignor to The Nestle Le Mar Company, Cleveland, Ohio. Hair curler. 1,735,254; Nov. 12.
Lewis, Wilbur S., Lakewood, assignor to The Nestle Le Mar Company, Cleveland, Ohio. Hair curler. 1,735,255; Nov. 12.
Libbey-Owens Glass Company. (See Blair, James C., assignor.)
Libbey-Owens Glass Company. (See Crowley, Joseph P., assignor.)
Libbey-Owens Glass Company. (See Drake, John L., assignor.)
Libbey-Owens Glass Company. (See Henderson, John C., assignor.)
Lietzke, Henry R., assignor to The Warner Corporation, Syracuse, N. Y. Transmission-case cap. 1,735,826; Nov. 12.
Lightfoot, Edwin N., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Electric heater and making the same. 1,735,631; Nov. 12.
Lincoln Manufacturing Company. (See McFadden, Glenn E., assignor.)
Lindberg, Joseph, Fort Hamilton, Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,735,121; Nov. 12.
Lindsay, Roy W., Huntington, L. I., assignor of one-half to R. B. Jones, Bronxville, N. Y. Flexible hose coupling. 1,735,326; Nov. 12.
Link-Belt Company. (See Brockschmidt, Walter, assignor.)
Lipp, Albert E., Philadelphia, Pa. Telephone attachment. 1,735,008; Nov. 12.
Lipper, Clarence, Philadelphia, Pa., assignor to The Lipper Manufacturing Co., Inc. Making hats and the product thereof. 1,735,467; Nov. 12.
Lipper Manufacturing Co., The. (See Lipper, Clarence, assignor.)
Livingston, J., & Co. (See Ansel, Murry L., assignor.)
Jewell Iron Works. (See Walker, Cranford P., assignor.)
Lloyd, Stewart J., University, and A. M. Kennedy, Montgomery, assignors to Federal Phosphorus Company, Birmingham, Ala. Making carboric acid. 1,735,327; Nov. 12.
Lomax, Clarence E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,735,328; Nov. 12.
Long-Bell Lumber Company, The. (See Huffman, Charles A., assignor.)
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 79,887; Nov. 12.
Long Manufacturing Company. (See Swank, Arthur L., assignor.)
Long, William B. (See Thompson, C. S., and Long.)
Loomis, Alfred L., Tuxedo Park, N. Y., and R. W. Wood, Baltimore, Md. Method and apparatus for forming emulsions and the like. 1,734,975; Nov. 12.
Lorang, William J. (See Williams, William G., assignor.)
Louisiana State Rice Milling Company. (See MacMillan, William B., assignor.)
Lowry, William R., Indianapolis, Ind. Glove-turning machine. 1,735,688; Nov. 12.
Lucas, Daniel W., Atlanta, Ga. Railroad-crossing signal. 1,735,647; Nov. 12.
Luginbuhl, Godefroy R., Lausanne, Switzerland. Railway guide. Re17,486; Nov. 12.
Lux Clock Manufacturing Company. (See Lux, Frederick, assignor.)
Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Time switch. 1,735,540; Nov. 12.
Lyon, Harry A. (See Whitney, H. L., and Lyon.)
Maas, Elroy F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Squeegee applicator. 1,735,689; Nov. 12.
MacCarthy, James L., Brooklyn, N. Y. Signalling device. 1,735,403; Nov. 12.
MacDonald, Graeme, San Francisco, Calif. Berry basket. 1,735,173; Nov. 12.

MacFarlane, Robert F., London, England. Apparatus for dividing or cutting fruits and the like. 1,735,174; Nov. 12.

MacGregor, Robert, London, England. Hatch cover. 1,735,329; Nov. 12.

MacLaren, Fred B. (See Braselton, C. H., and MacLaren.)

MacMillan, William B., assignor to Louisiana State Rice Milling Company, Inc., Abbeville, La. Carton. Des. 79,888; Nov. 12.

Madan, Edward K., Maplewood, N. J. Combination pencil and letter. Des. 79,889; Nov. 12.

Madden, Edward J., Detroit, Mich. Brake. 1,735,206; Nov. 12.

Magdson, Frank, Pittsburgh, Pa., assignor to Star-Service Hanger Company, Detroit, Mich. Wireworking machine. 1,735,580; Nov. 12.

Malm, Carl J. (See Clarke, H. T., and Malm.)

Mannington Mills, Inc. (See Karpf, Charles O., assignor.)

Manzel, Adolph W. F., assignor to Manzel Brothers Co., Buffalo, N. Y. Stabilizer. 1,735,769; Nov. 12.

Manzel Brothers Co. (See Manzel, Adolph W. F., assignor.)

Marchev, Alfred, assignor to Temple, Inc., Chicago, Ill. Stand. 1,735,505; Nov. 12.

Madiere, Edmund, La Salle, Ill. Securing device. 1,735,770; Nov. 12.

Martin, Charles R., Wauwatosa, and H. V. Nye, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. 1,735,690; Nov. 12.

Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Refrigerated package and method. 1,735,082; Nov. 12.

Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Refrigerated package with permeable insulation and method. 1,735,832; Nov. 12.

Martin, Mervin. (See Bebensee, M., Children, and Martin.)

Martinet, Guy M. (See Krell, G., and Martinet.)

Martinez, Nicolas, Lerida, Spain. Root cleaning and polishing machine. 1,735,771; Nov. 12.

Massey-Harris Company. (See Harris, B. S., and Johnston, assignors.)

Master Electric Company, The. (See Larsh, Everett P., assignor.)

Masterenich Corporation. (See Mead, Homer A., assignor.)

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Wheel mounting. 1,735,404; Nov. 12.

Mathieu, Gaston A., London, England, assignor to Radio Corporation of America. Antenna system. 1,735,083; Nov. 12.

Matteson, George F., Rockyhill, assignor to The F. B. Shuster Company, New Haven, Conn. Wire-straightening machine. 1,735,833; Nov. 12.

Matthews, Charles R. (See Wrightson, S. S., and Matthews.)

Matthews, William E. (See Wallden, Osborne, assignor.)

Mattinson, Jesse E., and E. J. Moody, San Francisco, Calif. Excavator. 1,735,122; Nov. 12.

Maurer, John F., jr., Woodcliffe, N. J. Bottle crate. 1,735,772; Nov. 12.

Mayle, Albert M., Toledo, Ohio. Motion-picture apparatus. 1,735,468; Nov. 12.

Mayo, Benjamin F., deceased, by E. Mayo, executrix, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for securing together two or more pieces of sheet material. 1,735,350; Nov. 12.

Mayo, Etta, executrix. (See Mayo, Benjamin F.)

Mayo, John W., Wilkesburg, Pa. Electric gas-lighting device. 1,735,834; Nov. 12.

McCallum, William B., Salinas, Calif. Treating and sowing guayule seed. 1,735,835; Nov. 12.

McClellan, Joseph J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Container for coating material. 1,734,976; Nov. 12.

McClintic-Marshall Company, et al. (See Tebyrica, Marlo W., assignor.)

McClintock, Louis G., Pittsburgh, Pa. assignor to Pittsburgh Transformer Company. Radiator connection for transformer tanks. 1,735,289; Nov. 12.

McComb, Edward N., Detroit, Mich. Outlet-control valve. 1,735,050; Nov. 12.

McDonald, Louis N., Youngstown, Ohio. Furnace-port construction. 1,735,256; Nov. 12.

McDonald, Malcolm, Orenco, Oreg. Card index and file. 1,735,581; Nov. 12.

McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Chandelier or analogous lighting fixture. Des. 79,890; Nov. 12.

McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture wall bracket or the like. Des. 79,891; Nov. 12.

McIlvanie, William P., Yakima, Wash. Saw table. 1,735,773; Nov. 12.

McKown, George W. (See Miller, E. S., Stambaugh, and McKown.)

McLaughlin, D. J., et al. (See Stebler, William J., assignor.)

McLean, Marie, Los Angeles, Calif. Cleaning composition. 1,735,774; Nov. 12.

McMahan, Emmet H., deceased, Ventura, Calif.; M. McMahan, executrix. Oil-well-sealing device. 1,735,330; Nov. 12.

McMahan, Mabel, executrix. (See McMahan, Emmet H.)

McSwain, Melvin E., Fort Smith, Ark. Golly-hole furnace. 1,735,775; Nov. 12.

Mead, Homer A., assignor to Masterenich Corporation, Turlock, Calif. Wrench. 1,735,257; Nov. 12.

Meadoff, Abraham S., New York, N. Y. Toothbrush. 1,735,582; Nov. 12.

Medal Brick and Tile Company, The. (See Duty, Spencer M., assignor.)

Meiser, Wilhelm, Ludwigshafen-on-the-Rhine, W. Schubardt, Mannheim, and O. Kramer, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Pure iron of small-grain size. 1,735,405; Nov. 12.

Melaun, Oscar, Lanke, near Berlin, Germany. Producing clamping plates. 1,735,776; Nov. 12.

Melley, John J., and J. W. Chapman, Parsons, Kans., assignors of one-third to W. H. Heckman, Chicago, Ill. Railway-journal-box assembly. 1,735,258; Nov. 12.

Mendelsohn, Louis H., Paterson, N. J. Stocking. Des. 79,892; Nov. 12.

Menges, Albert C., Greenville, Miss., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lubricating system for motor vehicles. 1,735,175; Nov. 12.

Mensing, Clarence W., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Casing for a lubricant dispenser. Des. 79,893; Nov. 12.

Merrill, John J., Ipswich, Mass., assignor, by mesne assignments, to Electric Outlet Company, Inc., New York, N. Y. Outlet box. 1,735,331; Nov. 12.

Merritt, Glenn W., assignor to Mining Safety Device Company, Bowerston, Ohio. Car cage. 1,735,777; Nov. 12.

Merritt, Glenn W., assignor to Mining Safety Device Company, Bowerston, Ohio. Rotary car dump. 1,735,778; Nov. 12.

Merwin, John C., Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis. Tempering water for concrete mixers and for cooling the motor therefor. 1,735,615; Nov. 12.

Metal Stamping Corporation. (See Chubbuck, Paul R., assignor.)

Metcalf, George R., et al. (See Taylor, Harry S., assignor.)

Meyer, Frank H., and F. R. Klaus, Warren, assignors, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Dual-tire-wheel structure. 1,735,290; Nov. 12.

Midland Steel Products Company, The. (See Sneed, John, assignor.)

Mieg, Walter, Vohwinkel, and H. Raeder, Leverkusen, near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dianthraquinonylamine sulphonic acid dyestuff. 1,735,123; Nov. 12.

Mikesh, Martin A., Milwaukee, Wis. Reverse brake for automobiles. 1,735,332; Nov. 12.

Miller, Emmet S., R. W. Stambaugh, and G. W. McKown: said Miller and said Stambaugh assignors to Milwaukee Corrugating Company, Milwaukee, Wis. Building material. 1,735,259; Nov. 12.

Miller, John R., West Palm Beach, Fla. Stud-aligning tool. 1,735,124; Nov. 12.

Miller, Oscar W., Appleton, Wis. Hand truck. 1,735,541; Nov. 12.

Miller, Swift. (See Van Valkenburg, H. L., and Miller.)

Miller, William, Dunston-on-Tyne, England. Ball or roller clutch. 1,735,125; Nov. 12.

Millerleil, Arthur G. (See Laine, Clarence G., assignor.)

Milwaukee Corrugating Company. (See Miller, E. S., Stambaugh, and McKown, assignors.)

Miner, Carl S., Chicago, Ill., and H. J. Brownlee, Cedar Rapids, Iowa, assignors to Quaker Oats Company, Chicago, Ill. Manufacturing furfural. 1,735,084; Nov. 12.

Mining Safety Device Company. (See Merritt, Glenn W., assignor.)

Moe, Christ, Minneapolis, Minn. Test-bottle holder for creameries. 1,735,051; Nov. 12.

Moeker, Henry, Jr., Flossmoor, and T. Thompson, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Gas range. 1,735,779; Nov. 12.

Monday, Tobe, St. Louis, Mo. Gear-shift-locking and throw-out device. 1,735,542; Nov. 12.

Monogram Lens Corporation. (See Coulter, Guy H., assignor.)

Moody, Ernest J. (See Mattinson, J. E., and Moody.)

Moore, Charles A., Edina, Minn. Heating, humidifying, and ventilating apparatus. 1,735,085; Nov. 12.

Moore, Edward J., and R. H., assignors, by mesne assignments, to The Rotor Air Tool Company, Cleveland, Ohio. Fluid-pressure motor. 1,735,176; Nov. 12.

Moore, Hildur S., St. Paul, Minn. Candy doll. Des. 79,894; Nov. 12.

Moore, James W. (See Moore, W. D., Barr, Moore, and Wilson.)

Moore, Ralph S., Little Neck, assignor to H. B. Kruger, New York, N. Y. Display device. 1,735,009; Nov. 12.

Moore, Raymond H. (See Moore, Edward J., and R. H.)

Moore, Thomas C., assignor to Mor-Pak Preserving Corporation, Fresno, Calif. Fruit-perforating machine. 1,735,406; Nov. 12.

Moore, William D., C. D. Barr, J. W. Moore, and W. J. Wilson, Birmingham, Ala., assignors to Sand Spun Patents Corporation, Wilmington, Del. Magnetic clutch. 1,735,648; Nov. 12.

Moratta, Matthew M., Princeton, Ind. Platon-ring construction. 1,735,291; Nov. 12.

Moratz, Ernst, Frohnau, near Berlin, Germany. Drawing board. 1,735,292; Nov. 12.

Morel, Cornelis H. (See Bol, C., and Morel.)

Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Electrical fixture construction. 1,735,260; Nov. 12.

Morgan, Edmund C., deceased, Chicago; Olive E. Morgan, executrix. Apparatus for mining coil. 1,735,583; Nov. 12.

Morgan, John L., assignor to J. Sateinstein, Camden, N. J. Tying device. 1,735,691; Nov. 12.

Morgan, Olive E., executrix. (See Morgan, Edmund C.)

Morin, Amos, Danielson, Conn., assignor to Victor Ring Traveler Company, Providence, R. I. Traveler for twisting machines. 1,735,469; Nov. 12.

Morison, George S., assignor to Morison Incorporated, Pittsburgh, Pa. Epicyclic ball transmission. 1,735,616; Nov. 12.

Morison Incorporated. (See Morison, George S., assignor.)

Mor-Pak Preserving Corporation. (See Moore, Thomas C., assignor.)

Morris, Harvey F., Rochester, N. Y. Emblem badge or similar article. Des. 79,895; Nov. 12.

Morris, Howard L., assignor to The Cord Tire Machine Company, Cleveland, Ohio. Apparatus for and process of making tire casings. 1,735,351; Nov. 12.

Morrison, Webster E., Lusk, Wyo. Theatrical appliance. 1,735,352; Nov. 12.

Moses, Amariah J., and F. H. Wright, assignors to The Casey-Hedges Co., Chattanooga, Tenn. Handpole plate. 1,735,126; Nov. 12.

Motherwell, Joseph W., Melrose, assignor to The Ashton Valve Company, Cambridge, Mass. Pressure gauge. 1,734,977; Nov. 12.

Mueller, L. J., Furnace Company. (See Jones, Edwin A., assignor.)

Muentener, Christian, Bogota, N. J. Textile fabric or similar article. Des. 79,896; Nov. 12.

Muentener, Christian, Bogota, N. J. Textile fabric or similar article. Des. 79,897; Nov. 12.

Muentener, Christian, Bogota, N. J. Textile fabric or similar article. Des. 79,898; Nov. 12.

Mulholland, Vergil, West Hartford, assignor to Hartford Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 1,735,353; Nov. 12.

Munch, Eduard, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Vaporizing formald. 1,735,407; Nov. 12.

Munsch, Louis F. (See Grube, J. R., and Munsch.)

Murakami, Yoshimichi, Oaza, Hiratsuka-Mura, Ebura-Gori, Tokyo Prefecture, Japan. Blast furnace. 1,735,293; Nov. 12.

Muskegon Piston Ring Company. (See Olson, George W., assignor.)

Mutschler Brothers Company. (See Landaw, Oak, assignor.)

Myers, L. A., Jr., Inc. (See Myers, William L., assignor.)

Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 79,899; Nov. 12.

Naamloose Vennootschap Philips' Gloeilampen Fabrieken. (See Hertz, Gustav L., assignor.)

Nash, Roland L. (See Andersen, F. C., Nash, and Roland.)

National Cash Register Company, The. (See Berger, Friedrich W. F., assignor.)

National Cash Register Company, The. (See Shipley, Bernis M., assignor.)

National Enameling & Stamping Co. (See Sladky, Joseph and A. C., assignors.)

National Refrigeration Corporation. (See Dennison, French E., assignor.)

National Refrigerator Co. (See Greenburg, Meyer, assignor.)

Nattrees, William E., and C. D. Stout, Statesville, N. C. Spring tie. 1,735,354; Nov. 12.

Natske, Reinal H., assignor to E. Johnson, Chicago, Ill. Screen slide. 1,735,207; Nov. 12.

Naugatuck Chemical Company, The. (See Reel, J. H., and Cude, assignors.)

Neel, James L., Perry, N. Y. Food-dispensing device. 1,735,855; Nov. 12.

Neely, H. G., et al. (See Jones, Griffith, assignor.)

Neff, Andrew, Pittsburgh, Pa., assignor to Charles B. Knox Gelatine Company, Incorporated. Communiting gelatine. 1,735,356; Nov. 12.

Neln, Charles L., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Double-acting tail gate for dump trucks. 1,735,408; Nov. 12.

Nelson, Henry M., Minneapolis, Minn., assignor to G. B. Shaw, Eau Claire, Wis. Lens. 1,735,208; Nov. 12.

Nelson, Henry M., Minneapolis, Minn., assignor to G. B. Shaw, Eau Claire, Wis. Lens. 1,735,209; Nov. 12.

Nelson, Oliver J., assignor to Bryte-Nelson Refining Company, St. Louis, Mo. Reclaiming lubricating oils. 1,735,440; Nov. 12.

Nesbitt, William E. (See Best, H. S., and Nesbitt.)

Nestle Le Mur Company, The. (See Lewis, Wilbur S., assignor.)

Neubecker, William, Buffalo, N. Y. Foldable window sash. 1,735,649; Nov. 12.

Niagara Machine and Tool Works. (See Hahnemann, Paul R., assignor.)

Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Pull for a slide fastener. Des. 79,900; Nov. 12.

Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Pull for a slide fastener. Des. 79,901; Nov. 12.

Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Pull for a slide fastener. Des. 79,902; Nov. 12.

Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Pull for a slide fastener. Des. 79,903; Nov. 12.

Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Pull for a slide fastener. Des. 79,904; Nov. 12.

Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Pull for a slide fastener. Des. 79,905; Nov. 12.

Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Pull for a slide fastener. Des. 79,906; Nov. 12.

Nickerson, William H., Newton, Mass. Punching attachment for presses. 1,735,780; Nov. 12.

Nickerson, William H., Newton, Mass. Forming shank stiffeners. 1,735,781; Nov. 12.

Nielsen, Bernhard. (See Hahnemann, W., Hecht, and Nielsen.)

Nims, Fayette, Montour Falls, N. Y. Hand tool. 1,735,210; Nov. 12.

Noble, F. H., & Company. (See Shields, John M., assignor.)

Noel, Henry M., Elizabeth, N. J., assignor to Standard Oil Development Company. Automatic regulation of reflux in fractionating towers. 1,735,470; Nov. 12.

Nordberg Manufacturing Company. (See Grieshaber, Emil, assignor.)

Nover, Morris, Jersey City, N. J. Hand bag. 1,735,650; Nov. 12.

Noyer, Felix, and P. Pillard, Calais, France. Twist-lace machine. 1,735,651; Nov. 12.

Nye, Henry V. (See Martin, C. R., and Nye.)

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Phase-compensating networks. 1,735,052; Nov. 12.

Nyrop, Aage, Copenhagen, Denmark. Continuously-operating centrifugal sludge separator. 1,735,692; Nov. 12.

Nyström, Karl F., assignor to Camel Company, Chicago, Ill. House-car and door. 1,735,617; Nov. 12.

Obici, Amedeo, Drivers, Va. Peanut-branding machine. 1,735,471; Nov. 12.

O'Brien, John O. (See Thornton, John E., assignor.)

O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Burner unit for gas heating apparatus. 1,735,618; Nov. 12.

O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Oven-door construction. 1,735,652; Nov. 12.

O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Oven-door construction. 1,735,653; Nov. 12.

O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas stove or range. 1,735,654; Nov. 12.

Ohio Brass Company, The. (See Austin, Arthur O., assignor.)

Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,735,053; Nov. 12.

Oil Conservation Engineering Company, The. (See Calhoun, Tracy J., assignor.)

Okabe, Kinjiro, Sendai, Japan. Vacuum tube. 1,735,294; Nov. 12.

Oldham, Oliver, assignor of one-fourth to C. Hartley, Bedford, Ind. Battery-cable clamp. 1,735,782; Nov. 12.

Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)

Oliver Farm Equipment Company. (See Gallagher, Arthur D., assignor.)

Oliver, Herbert G., Mamaroneck, N. Y. Hairpin clip. 1,735,010; Nov. 12.

Oliver, Herbert G., New York, N. Y. Spacing device. 1,735,127; Nov. 12.

Oliver, Peter R., sr., Washington, D. C. Steering-wheel knob. 1,735,783; Nov. 12.

Ollershaw, Reginald E., London, England. Control means for multiple-way electric-circuit device. 1,735,857; Nov. 12.

Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Portable electric lamp. 1,735,295; Nov. 12.

Olson, George W., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston-ring-grinding apparatus. 1,735,333; Nov. 12.

Olson, Nils G., Boston, Mass., assignor of one-half to K. G. Heed, Chicago, Ill. Oil can. 1,735,784; Nov. 12.

O'Neill, Philip M., and A. J. Simeone, Corona, assignors to American Chiclet Company, Long Island City, N. Y. Spreader feed for plastic strips. 1,735,472; Nov. 12.

Operadio Manufacturing Co. (See Stone, John M., assignor.)

Oshorn, Warren M., Chicago, Ill. Roadbed. 1,735,296; Nov. 12.

Overly, Clarence B. (See Blaskewitz, W., Overly, Lambert, and Ironside.)
 Ovestrud, Melvin, assignor of one-half to Twin City Forge & Foundry Company, Stillwater, Minn. Bending press for tie-plate flanges. 1,735,785; Nov. 12.
 Owens, Freeman H., New York, N. Y. Adjustable lamp holder. 1,735,334; Nov. 12.
 Owens, Freeman H., New York, N. Y. Talking-picture apparatus. 1,735,335; Nov. 12.
 P. & R. Tool Company. (See Lester, Nathan, assignor.)
 Paden City Glass Manufacturing Company. (See Fisher, David, assignor.)
 Paffen, Paul J., Newark, N. J., and L. Wittenberg, New Rochelle, N. Y., assignors to The Barrett Company. Air compressor. 1,735,441; Nov. 12.
 Palm, Victor H., Butler, Pa. Internal-combustion engine. 1,735,543; Nov. 12.
 Palmgren, Per G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Coupling box for rolling mills. 1,734,978; Nov. 12.
 Palmquist, Johan O., Hamilton, Ontario, Canada. Trap nest. 1,735,442; Nov. 12.
 Pantex Pressing Machine, Inc. (See Cohen, Hyman E., assignor.)
 Panyard Machine and Manufacturing Company. (See Bowman, Simeon A., assignor.)
 Paradise, Napoleon F., Shanghai, China, assignor to Standard Oil Company of New York, New York, N. Y. Conveyer soldering machine. 1,735,336; Nov. 12.
 Paralock Company, The. (See Van Valkenberg, H. L., and Miller, assignors.)
 Pardue, Elbert L., Huntingdon, Tenn. Gravel spreader. 1,735,297; Nov. 12.
 Parker Rust Proof Company. (See Allen, William H., assignor.)
 Parr, Louis F., Chicago, Ill. Bookbinder. 1,735,211; Nov. 12.
 Pass & Seymour, Inc. (See Morey, Harry J., assignor.)
 Pavla, Luigi, Allentown, Pa. Shuttle. 1,735,544; Nov. 12.
 Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company. Flash-light support. 1,735,212; Nov. 12.
 Paxson, Walter R., Glenside, assignor, by mesne assignments, to A. H. Fox Gun Company, Philadelphia, Pa. Cartridge for toy guns. 1,735,086; Nov. 12.
 Pearce, Edwin S., R. W. Retterer, and E. C. Karibo, Indianapolis, Ind. Operating locomotives. 1,735,087; Nov. 12.
 Pearce, Frank W., Columbus, Ohio. Automobile visor. 1,735,177; Nov. 12.
 Pearl, Sherman S., Stehekin, Wash. Trap. 1,735,786; Nov. 12.
 Pease, Henry E., assignor to Standard Show Card Service, Inc., Chicago, Ill. Interchangeable card sign. 1,735,836; Nov. 12.
 Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,735,837; Nov. 12.
 Penner, Rudolph, Detroit, Mich. Safety iron holder. 1,735,088; Nov. 12.
 Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 79,907; Nov. 12.
 Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 79,908; Nov. 12.
 Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 79,909; Nov. 12.
 Perryman, Nelson J., Montclair, N. J., assignor to All America Cables, Inc., New York, N. Y. Electrical system. 1,735,473; Nov. 12.
 Persons, Charles A., Worcester, Mass. Warning signal. 1,734,979; Nov. 12.
 Peterman, William H. (See Hossell, F., and Peterman.)
 Peterson, William J., Thornton, Ark. Plowline clamp. 1,735,787; Nov. 12.
 Pfaunder Company, The. (See Elmendorf, Milton W., assignor.)
 Pfeffer, Felix. (See Talalay, J., and Holzberg, assignors.)
 Pfeffer, Henry W., Narberth, Pa., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich. Apparatus for collecting dust particles. 1,735,298; Nov. 12.
 Pfeffer, Louis, assignor to Pfeffer Press Company, Incorporated, Maysville, Ky. Tobacco press. 1,735,474; Nov. 12.
 Pfeffer-Press Company. (See Pfeffer, Louis, assignor.)
 Phillips, Earle S., assignor to American Road Machinery Company, Kennett Square, Pa. Transporting concrete. 1,734,980; Nov. 12.
 Phillips, Earle S., assignor to American Road Machinery Company, Kennett Square, Pa. Transporting concrete. 1,734,981; Nov. 12.
 Pier, Mathias, Heidelberg, and K. Winkler, Ludwigshafen-on-Rhine, assignors to L. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of carbon disulphide. 1,735,409; Nov. 12.
 Pilard, Paul. (See Noyer, F., and Pilard.)
 Pilot Ray Corporation. (See Keck, George S., assignor.)
 Pink, Edward F., Cambridge, Md. Wire fabric. 1,735,788; Nov. 12.
 Pitkin, Solomon, New York, N. Y. Flinger and back strap for hand bags. 1,735,655; Nov. 12.

Pitman, Charles W., assignor to Railway Track Work Company, Philadelphia, Pa. Track grinder. 1,735,693; Nov. 12.
 Pittman, Philip W., Durango, Colo. Sawing machine. 1,735,178; Nov. 12.
 Pittsburgh Transformer Company. (See McClintock, Louis G., assignor.)
 Platt, Archie W., Toledo, assignor to The Edward Ford Plate Glass Company, Rosaford, Ohio. Framework for glass-polishing units or the like. 1,735,410; Nov. 12.
 Plante, Arthur N., Hartford, Conn. Combination tool. 1,735,011; Nov. 12.
 Platter, Orval R., North Vernon, Ind. Sound amplifier. 1,735,054; Nov. 12.
 Plummer, Clarence H., Kewaunee, Wis. Method and apparatus for treating and handling vegetative products. 1,735,089; Nov. 12.
 Pollard, Willard L., Evanston, Ill. Automobile headlight. 1,735,090; Nov. 12.
 Pooley Company, The. (See Combs, Edward L., assignor.)
 Postel, Jacob H., San Mateo, Calif. Mop construction. 1,735,358; Nov. 12.
 Powdrell & Alexander, Inc. (See Perkins, George H., assignor.)
 Powell, Edward V., Arlington, Mass. Saxophone. 1,735,411; Nov. 12.
 Powell, Herbert S., Utica, N. Y. Muffler. 1,735,789; Nov. 12.
 Powers, Fred, Norman, Okla., and J. W. Tolland, St. Louis, Mo.; said Tolland assignor to C. F. Camp Company, Tulsa, Okla. Diamond core drill. 1,735,091; Nov. 12.
 Prather, George W., Santa Cruz, Calif. Axle press. 1,735,128; Nov. 12.
 Pratt, Best, Chicago, Ill. Angle cock. 1,735,790; Nov. 12.
 Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
 Pratt & Whitney Company. (See Thacher, John J., assignor.)
 Prestwich, Frank M., New York, N. Y. Blindstitch-sewing machine. 1,735,584; Nov. 12.
 Priebe, Herman C., Blue Island, assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake gearing for railway cars. 1,735,065; Nov. 12.
 Proctor, Charles A., Hanover, N. H. Toe piece for skis. 1,735,359; Nov. 12.
 Puckett, Paul R., Atlanta, Ga., assignor to Chase Companies Inc., Waterbury, Conn. Portable electric hand amp. 1,735,545; Nov. 12.
 Purdy, Lewis J., assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Attaching pins to cylinders. 1,735,218; Nov. 12.
 Pursel, Harold M., assignor to Sharrack and Pursel, Casper, Wyo. Dirt-handling machine. 1,735,412; Nov. 12.
 Puskas, Gyula, Woodridge, Manitoba, Canada. Station indicator. 1,735,791; Nov. 12.
 Quaker Oats Company. (See Miner, C. S., and Brownlee, assignors.)
 R. C. Can Company. (See Rutkowski, Walter L., assignor.)
 Radio Corporation of America. (See Bol, C., and Morel, assignors.)
 Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
 Radio Corporation of America. (See Kunze, Walter, assignor.)
 Radio Corporation of America. (See Mathieu, Gaston A., assignor.)
 Radio Corporation of America. (See Thompson, Harry H., assignor.)
 Radio Corporation of America. (See Weinberger, Julius, assignor.)
 Radio Corporation of America. (See Willans, Peter W., assignor.)
 Raeder, Heinrich. (See Mieg, W., and Raeder.)
 Ragonnet, Eugene L., assignor to Air Reduction Company, Incorporated, New York, N. Y. Universal torch machine. 1,735,129; Nov. 12.
 Railway Track Work Company. (See Pitman, Charles W., assignor.)
 Ramsey, John C., assignor to Ramsey Package Corporation, Suffolk, Va. Wood trimming or edging machine. 1,735,792; Nov. 12.
 Ramsey Package Corporation. (See Ramsey, John C., assignor.)
 Randall, Karl C., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical apparatus. 1,735,179; Nov. 12.
 Randles, John T. T., H. Willshaw, and H. Smith, Erdington, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Conveyer system. 1,735,443; Nov. 12.
 Rasor, Joseph F., Brookville, Ohio. Railway crossing. 1,735,337; Nov. 12.
 Rath, William C., New York, N. Y. Reclaiming lubricating oil. 1,735,546; Nov. 12.
 Ray-Signs Corporation. (See Treleaven, Clifford L., assignor.)
 Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Hinge. Des. 79,910; Nov. 12.
 Raymond, Lambert L., Minneapolis, Minn. Reflector-attaching device. 1,735,181; Nov. 12.

Raymond, Lambert L., assignor to Broderick-Son-Raymond Co., Minneapolis, Minn. Socket and reflector. 1,735,180; Nov. 12.
 Reed, Donald C., Dunedin, Fla. Composition for coating brick, tile, or cement. 1,735,793; Nov. 12.
 Reel, James H., Jackson Heights, and H. E. Cude, Floral Park, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacture of rubber compositions and products obtained thereby. 1,735,547; Nov. 12.
 Remington, Joseph P., assignor to Remington Manufacturing Company, Philadelphia, Pa. Air-filtering device. 1,735,694; Nov. 12.
 Remington Manufacturing Company. (See Remington, Joseph P., assignor.)
 Requa, Mark L. (See Cox, T., Requa, and Knowles.)
 Reserve Holding Company. (See Lomax, Clarence E., assignor.)
 Retterer, Raymond W. (See Pearce, E. S., Retterer, and Karibo.)
 Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,735,619; Nov. 12.
 Reynolds Spring Company, The. (See Cunningham, Roy H., assignor.)
 Rhodes, Frederick H. (See Fenhagen, F. D., Rhodes, and Hesser.)
 Rich, George R., Battle Creek, Mich. Valve tappet. 1,735,695; Nov. 12.
 Rich, John L., Ottawa, Kans. Extracting petroleum. 1,735,012; Nov. 12.
 Richey, Leon T., Huntington, W. Va., assignor of one-half to A. S. Doby, Ashland, Ky. Closure and disk and securing means therefor. 1,735,066; Nov. 12.
 Richter, George A., assignor to Brown Company, Berlin, N. H. Pulping raw cellulose material. 1,735,013; Nov. 12.
 Richter, George A., assignor to Brown Company, Berlin, N. H. Production of sulphite pulp. 1,735,014; Nov. 12.
 Richter, George A., assignor to Brown Company, Berlin, N. H. Method of and apparatus for the production of cellulose pulp. 1,735,015; Nov. 12.
 Ridley, Alfred, Indianapolis, Ind. Concealed hinge. 1,735,696; Nov. 12.
 Rippey, Hugh F., G. Davidson, C. N. Cone, I. F. Laucks, and H. P. Banks, Seattle, Wash. Carbonaceous briquette and making the same. 1,735,506; Nov. 12.
 Ristow, Herbert H., La Crosse, Wis. Game apparatus. 1,735,794; Nov. 12.
 Ritchie, William, assignor to Weedon Manufacturing Co., New Bedford, Mass. Toy steam engine. 1,735,067; Nov. 12.
 Rivinius, Theodore, Elgin, N. Dak. Waste elevator. 1,735,585; Nov. 12.
 Robbins, Percy A., Highland Park, Ill. Fruit grader. 1,735,795; Nov. 12.
 Robbins, Percy A., Highland Park, Ill. Grader. 1,735,796; Nov. 12.
 Roberts & Mander Stove Company. (See Antrim, William D., assignor.)
 Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,735,180; Nov. 12.
 Roesler & Hasselacher Chemical Company, The. (See Whitby, George S., assignor.)
 Rogers, Robert, et al. (See Stebler, William J., assignor.)
 Roland, Noble T. (See Andersen, F. C., Nash, and Roland.)
 Roller, Frank W., East Orange, N. J. Transformer. 1,735,092; Nov. 12.
 Roiscreen Company. (See Dixon, Harry, assignor.)
 Root, Frank T., Indianapolis, Ind., assignor, by mesne assignments, to Detroit and Security Trust Company. Spare rim and tire locking device. 1,735,338; Nov. 12.
 Rossi, Paul A., Campbell, Ohio. Insulated cover for electric-lamp sockets. 1,735,658; Nov. 12.
 Rotor Air Tool Company, The. (See Moore, Edward J. and R. H., assignors.)
 Rouanet, Louis, assignor to Compagnie D'Applications Mecaniques, Ivry-Port, France. Brake for motor-vehicle wheels. 1,735,507; Nov. 12.
 Rudesyle, Peter M., Hawthorne, N. J. High-pressure pump. 1,735,289; Nov. 12.
 Rudolf, Barnett, Bayonne, N. J. Combined level and square. 1,735,413; Nov. 12.
 Rudolph, Corrie F. (See Troegner, A. M., and Rudolph.)
 Rueppel, Frederick, Halfway, assignor to French Road Company, Detroit, Mich. Burner structure. 1,735,182; Nov. 12.
 Ruettimann, Joseph B., St. Paul, Minn. Rail joint. 1,735,586; Nov. 12.
 Rutkowski, Walter L., assignor to R. C. Can Company, St. Louis, Mo. Whistle. 1,735,697; Nov. 12.
 Sacks, David, Brooklyn, and M. Goldberg, New York, N. Y. Trousers. 1,735,657; Nov. 12.
 Salerno, Felix, New York, N. Y. Hair-waving-operator's cabinet. 1,735,183; Nov. 12.
 Salley, Howard A., Rehoboth, Mass. Separable fastener. 1,735,620; Nov. 12.
 Samuels, Maurice M., and J. Amon, New York, N. Y. Electric-circuit interrupter. 1,734,982; Nov. 12.
 Sanchea, Antonio, Washington, D. C. Selector switch for annunciator systems. 1,735,184; Nov. 12.
 Sand Spun Patents Corporation. (See Moore, W. D., Barr, Moore, and Wilson, assignors.)
 Sanford Manufacturing Co. (See Carpenter, William W. S., assignor.)

Sanitarium Equipment Company. (See Goodrich, Norris E., assignor.)
 Sarkisian, Dickran M., Forest Hills, N. Y. Draw-over master heading hook. 1,735,016; Nov. 12.
 Satenstein, Jesse. (See Morgan, John L., assignor.)
 Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Conductor support. 1,735,131; Nov. 12.
 Schaefer, George W., South Braintree, Mass., assignor to Addressograph Company, Chicago, Ill. Index tab. 1,735,214; Nov. 12.
 Schaefer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radioreceiver. 1,735,185; Nov. 12.
 Schlaich, Herman, Brooklyn, assignor to The Boymoto Company, Inc., Long Island City, N. Y. Retaining device. 1,735,132; Nov. 12.
 Schleicher, Franz. (See Henglein, F. A., and Schleicher.)
 Schmidt, Arthur, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Support for thermionic tubes. 1,735,133; Nov. 12.
 Schrader, Thomas O., Allentown, assignor to The Dent Hardware Co., Fullerton, Pa. Toy pistol. 1,735,698; Nov. 12.
 Schreier, Karl R., Callao, Peru. Crude-oil burner. 1,735,558; Nov. 12.
 Schroeder, Harry C., Concord, Calif. Key purse. 1,735,300; Nov. 12.
 Schröter, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method and system for constant-frequency beat-reception of radio-signals. 1,735,134; Nov. 12.
 Schubardt, Walter. (See Meiser, W., Schubardt, and Kramer.)
 Schuler, Max, Göttingen, Germany. Gyroscopic apparatus for extending the period of oscillation of bodies. 1,735,058; Nov. 12.
 Schwab, Joseph B. (See Glenn, J. W., Hood, and Schwab.)
 Schwanzel, Lawrence G., and O. A. Kniesly, Toledo, Ohio, said Schwanzel, assignor to said Kniesly. Curative-ray generator. 1,735,215; Nov. 12.
 Schwartz, Daniel, Chicago, Ill. Radio station indicator cover. Des. 79,911; Nov. 12.
 Scott, Henry D., Wheeling, W. Va. Tin-plate package. 1,735,548; Nov. 12.
 Scott, Louis T., Seattle, Wash. Marine-signal light. 1,735,797; Nov. 12.
 Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
 Scoville, Charles B., jr., Pasadena, Calif. Brake-operating mechanism. 1,735,339; Nov. 12.
 Scullin Steel Company. (See Doerr, Harry E., assignor.)
 See, Lee B., Cumberland, Md. Car replacer. 1,735,360; Nov. 12.
 Seer, Richard H., Milwaukee, Wis. Combination loud-speaker amplifier and electric-light-fixture support. 1,735,549; Nov. 12.
 Seger, Earl F. (See Hopkins, R. Z., and Seger.)
 Seltz, Dale A. (See Aldrich, M. J., Seltz, and Gabbert.)
 Selden Company, The. (See Jaeger, Alphonso O., assignor.)
 Sellman, Sely S. (See Hake, E. C., and Sellman.)
 Selliden, Tor E., assignor to The Union Gas Engine Company, Oakland, Calif. Starting air distributor for Diesel engines. 1,735,414; Nov. 12.
 Seppman, William E., Lake Crystal, Minn. Knee-operated throttle control. 1,735,608; Nov. 12.
 Sergeant, Walter H., Middletown, N. Y., assignor to Ideal Wrapping Machine Co. Sucker-impaling machine. 1,735,621; Nov. 12.
 Setoh, Shoji, Tokyo, and S. Ueki, deceased, by U. Ueki, Oaza, administratrix, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Forming an electrically insulating and anticorrosive oxide coating on aluminum material. 1,735,509; Nov. 12.
 Sharrack and Pursel. (See Pursel, Harold M., assignor.)
 Shaw, George B. (See Nelson, Henry M., assignor.)
 Shaw, William, Lowell, Mass., assignor, by mesne assignments, to Kitten Machine Shop. Cotton-seeding mechanism. 1,735,186; Nov. 12.
 Shearer, John P., Newark, N. Y. Display box. 1,735,059; Nov. 12.
 Shelton, Ray. (See Kiger, O. C., and Shelton.)
 Shelton, Wilbur N., Wellesley, Mass. Glare shield for vehicles. 1,735,699; Nov. 12.
 Shields, John M., assignor to F. H. Noble & Company, Chicago, Ill. Wrist-watch box. 1,735,060; Nov. 12.
 Shields, John M., assignor to F. H. Noble & Company, Chicago, Ill. Display pad for jewelry boxes and the like and forming the same. 1,735,061; Nov. 12.
 Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspender-end top link. Des. 79,912; Nov. 12.
 Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,735,062; Nov. 12.
 Shoenberger, Philip D., San Mateo, assignor to Western Pipe and Steel Company of California, San Francisco, Calif. Pipe-wrapping machine. 1,735,186; Nov. 12.
 Shott, Walla, Webb City, Mo. Cable-conveying means. 1,735,301; Nov. 12.
 Shottak, Louis, assignor of one-half to F. P. Dengler Inc., Chicago, Ill. Food product and making same. 1,735,510; Nov. 12.
 Shrode, John L., St. Louis, Mo. Valve-closing mechanism. 1,735,511; Nov. 12.

Shuster, F. B. Company, The. (See Matteson, George F., assignor.)
 Siegel, George, et al., board of trustees. (See Ellis, Axel E., assignor.)
 Siegel, Henry M., Malden, Mass. Toothbrush holder. 1,735,512; Nov. 12.
 Siemens & Halske Aktiengesellschaft. (See Gaarz, W., and Sorge, assignors.)
 Siemens-Schuckertwerke Aktiengesellschaft. (See Altkirch, Edmund, assignor.)
 Signal Gesellschaft m. b. H. (See Hahnemann, W., Hecht, and Nielsen, assignors.)
 Sigsworth, Douglas W., Edmonton, Alberta, Canada. Chain fastener. 1,735,798; Nov. 12.
 Sikes, Kenneth K., Toit, Wash. Heater and sterilizer. 1,735,093; Nov. 12.
 Silvers, David W., Los Angeles, Calif. Lighting-fixture globe. Des. 79,913; Nov. 12.
 Simeone, Aurelio J. (See O'Neill, P. M., and Simeone.)
 Sims, Samuel W., Portland, Oreg. Cutting gauge. 1,735,216; Nov. 12.
 Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
 Sipe, Martin E., Indianapolis, Ind. Piston-ring expander. 1,735,587; Nov. 12.
 Skarsten, Anders. (See Abrahamsen, A. W., and Skarsten.)
 Sklenář, Anton, Lazy, Czechoslovakia. Vibratory chute or carrier. 1,735,137; Nov. 12.
 Slack, Charles M., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Lenard ray tube. 1,735,302; Nov. 12.
 Sladky, Alexander C. (See Sladky, Joseph and A. C.)
 Sladky, Joseph and A. C., assignors to National Enameling & Stamping Co., Inc., Milwaukee, Wis. Temperature-actuated automatic control valve. 1,735,475; Nov. 12.
 Slate, Thomas B., Glendale, Calif. Making carbon dioxide snow. 1,735,094; Nov. 12.
 Smith, David B., Los Angeles, Calif. Concrete-form tie and spacer. 1,735,017; Nov. 12.
 Smith, Harold. (See Randles, J. T. T., Willshaw, and Smith.)
 Smith, Herman R., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,735,983; Nov. 12.
 Smith, James W., Memphis, Tenn. Road sign. 1,735,444; Nov. 12.
 Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Carbon-sheet-attaching means. 1,735,138; Nov. 12.
 Smith, John H., Luling, Tex. Safety clutch. 1,735,799; Nov. 12.
 Smith, Joseph L., Buffalo, assignor to De Luxe Electric Lighter Company, Inc., New York, N. Y. Lighting device. 1,735,013; Nov. 12.
 Smith, Swan, St. Paul, Minn. Machine for making egg case flats. 1,735,340; Nov. 12.
 Smith, William A., Jr. (See Smith, William A., sr., and W. A., Jr.)
 Smith, William A., Jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,734,985; Nov. 12.
 Smith, William A., sr., Sayre, Pa., and W. A. Smith, Jr., Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,734,984; Nov. 12.
 Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Braking device. 1,735,139; Nov. 12.
 Snyder, Clifford L., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Decking apparatus for automobile bodies. 1,735,800; Nov. 12.
 Snyder, John L. (See Willis, Glenn H., assignor.)
 Soarbar Company. (See Henry, George W., Jr., assignor.)
 Société en Commandite par Actions Oscar Lévy ses Fils & Cie. (Société des Chaussures Cecil). (See Lévy, Jack R., assignor.)
 Sorge, Joachim. (See Gaarz, W., and Sorge.)
 Specter, Elias, assignor of one-half to Bilt-Rite Baby Carriage Co., Brooklyn, N. Y., and one-half to Collier-Keyworth Co., Gardner, Mass. Lock for baby-carriage backs. 1,735,063; Nov. 12.
 Speer, James E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 1,735,019; Nov. 12.
 Speirs, Nellie, Sarasota, Fla. Landscape. 1,735,801; Nov. 12.
 Speirs, Stuart, New York, N. Y. Safety razor. 1,735,140; Nov. 12.
 Sperry Gyroscope Company. (See Bassett, Preston R., assignor.)
 Spinner, Andrew G., and C. A. Twigg, Portland, Me. Safety device for hot-water boilers. 1,735,415; Nov. 12.
 Sprague-Sells Corporation. (See Gardner, George D., assignor.)
 Sprinkle, Lake H., Brooklyn, N. Y. Artificial tooth and facing. 1,735,217; Nov. 12.
 Sprinkle, Lake H., Brooklyn, N. Y. Lining with foil anchorage openings in artificial teeth and facings. 1,735,218; Nov. 12.
 Stalter, Charles E., Haslett, Mich. Collapsible furniture. 1,735,513; Nov. 12.
 Stambaugh, Russell W. (See Miller, E. S., Stambaugh, and McKown.)
 Standard-Coosa-Thatcher Company. (See Caldwell, James J., assignor.)

Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
 Standard Oil Company. (See Wendt, G. L., and Banta, assignors.)
 Standard Oil Company of New York. (See Haupt, Charles H., assignor.)
 Standard Oil Company of New York. (See Paradise, Napoleon F., assignor.)
 Standard Oil Development Company. (See Buc, Hym E., assignor.)
 Standard Oil Development Company. (See Johnson, John F., assignor.)
 Standard Oil Development Company. (See Noel, Henry M., assignor.)
 Standard Oil Development Company. (See Uren, Lester C., assignor.)
 Standard Oil Development Company. (See Young, Philip L., assignor.)
 Standard Show Card Service, Inc. (See Pease, Henry E., assignor.)
 Stanley, Robert, De Witt, Iowa. Seed huller. 1,735,550; Nov. 12.
 Stanley Works, The. (See Raymond, Horace H., assignor.)
 Star-Service Hanger Company. (See Magidson, Frank assignor.)
 Starr, Robert J. J., Briarcrest, Saskatchewan, Canada. Tuning coil. 1,735,020; Nov. 12.
 Statuto, Rocco, Brooklyn, N. Y. Brush. 1,735,802; Nov. 12.
 Stearns, Charles F., Oceanside, assignor to The Western Union Telegraph Company, New York, N. Y. Remote control of selector apparatus. 1,735,838; Nov. 12.
 Stebler, William J., assignor of one-eighth to M. A. Herald, one-eighth to R. Rogers, one-fourth to D. J. McLaughlin, and one-fourth to W. J. Curley, Pittsburgh, Pa. Safety-guard device. 1,735,659; Nov. 12.
 Steckler, Maurice. (See Steckler, Samuel, and M.)
 Steckler, Samuel, White Plains, and M. Steckler, Pleasantville, N. Y. Gutter hanger. 1,735,622; Nov. 12.
 Steele, William M., River Forest, and E. G. Allen, Oak Park, assignor to John F. Jelke Company, Chicago, Ill. Container for coloring material. 1,735,219; Nov. 12.
 Stehle, Robert, Feuerbach, Germany. Gramophone drive. 1,735,094; Nov. 12.
 Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,735,515; Nov. 12.
 Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,735,514; Nov. 12.
 Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,735,516; Nov. 12.
 Steiner Sales Company. (See Steiner, Frank M., assignor.)
 Steiner Sales Company. (See Steiner, George A., assignor.)
 Stenhouse, David, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass-delivering apparatus. 1,735,551; Nov. 12.
 Stern, Harry A., New York, N. Y. Ash tray. 1,735,803; Nov. 12.
 Stevens, Richard H. (See Keller, A. T., and Stevens.)
 Stewart, Howard R., Los Angeles, Calif. Retarded circuit breaker. 1,735,588; Nov. 12.
 Stewart, Victor A., New York, N. Y. Bifocal spectacles. 1,735,021; Nov. 12.
 Stone, John M., assignor to Operadio Manufacturing Co., Chicago, Ill. Acoustic horn and method of and apparatus for making the same. 1,735,476; Nov. 12.
 Storie, Ole O., Tacoma, Wash. Transmission mechanism. 1,735,187; Nov. 12.
 Stout, Carson D. (See Nattress, W. E., and Stout.)
 Stout Manufacturing Company. (See Krause, Hermann F., assignor.)
 Stowell, Byron F., assignor to Van Norman Machine Tool Company, Springfield, Mass. Collet. 1,735,804; Nov. 12.
 Straumann, Reinhard, assignor to the firm Thommens Uhrenfabriken A. G., Waldenburg, Switzerland. Producing watch parts. 1,735,805; Nov. 12.
 Strauss, Joseph B., Chicago, Ill. Car-dumping device. 1,735,022; Nov. 12.
 Strauss, Siegfried, Würzburg, and S. Gerschütz, Stadtilauringen, Germany. Hammock litter. 1,735,552; Nov. 12.
 Stringham, John H., administrator. (See Stringham, John H.)
 Stringham, John H., deceased, assignor of one-third to C. H. Good, Jersey City, N. J.; J. H. Stringham, administrator. Transmission for motors or engines. 1,735,840; Nov. 12.
 Struble, James F., Hutchinson, Kans. Shield for cook stoves. 1,735,806; Nov. 12.
 Stuart, Kenneth E., Merion, Pa., assignor to the Stuart Research Engineering Corporation, Newark, N. J. Method of and apparatus for compressing and expanding elastic fluids. 1,735,477; Nov. 12.
 Stuart Research Engineering Corporation. (See Stuart, Kenneth E., assignor.)
 Stubbs, Robert E., Duluth, Minn. Drill-press table. 1,735,478; Nov. 12.
 Sturmer, Otto, Berlin-Schöneberg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Inductance device. 1,735,141; Nov. 12.
 Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)

Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,735,479; Nov. 12.
 Sugden, Bertha, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Coloidal suspension treatment. 1,735,142; Nov. 12.
 Superheater Company, The. (See Keithley, Ernest C., assignor.)
 Superior Hat Company. (See Wittcoff, Edward, assignor.)
 Supervielle, Pablo, Habana, Cuba. Sanitary drink mixer. 1,735,143; Nov. 12.
 Svendaen, Robert T., and D. G. Chandler, Minneapolis, Minn. Propeller mounting. 1,735,660; Nov. 12.
 Swank, Arthur L., assignor to Long Manufacturing Company, Detroit, Mich. Radiator reinforcement. 1,735,807; Nov. 12.
 Swindell, William, & Brothers. (See Brooke, Frank W., assignor.)
 Sybrit, Samuel T., Racine, Wis., assignor to A. J. Carter, Chicago, Ill. Television apparatus. 1,735,553; Nov. 12.
 Talalay, Josef, and W. Holzberg, Berlin, Germany, assignors to F. Pfeffer, New York, N. Y. Cleaning compound. 1,735,480; Nov. 12.
 Tanner, Frances E., Kansas City, Mo. Tube holder. 1,735,144; Nov. 12.
 Taubert, Ernst, Leipzig-Gohlis, Germany. Apparatus for playing chords on stringed instruments. 1,735,145; Nov. 12.
 Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Multiple-channel communication system. 1,735,341; Nov. 12.
 Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. High-frequency oscillation generator. 1,735,808; Nov. 12.
 Taylor, Guy B., and F. C. Zelsberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for the manufacture of nitric acid. 1,735,842; Nov. 12.
 Taylor, Harry S., assignor of one-fourth to G. R. Metcalf and one-fourth to E. E. Walker, Erie, Pa. Rack. 1,735,220; Nov. 12.
 Taylor, Zebulon S., New York, N. Y. Balance indicator for golf clubs. 1,735,517; Nov. 12.
 Tebyrica, Mario W., Rio de Janeiro, Brazil, assignor of one-half to McClintic-Marshall Company, Pittsburgh, Pa., and one-half to American Rolling Mill Company, Middletown, Ohio. Making metallic connections. 1,735,809; Nov. 12.
 Technicolor Motion Picture Corporation. (See Gallison, Ernest A., assignor.)
 Technicolor Motion Picture Corporation. (See Sugden, Bertha, assignor.)
 Temple, Inc. (See Marchev, Alfred, assignor.)
 Temple, Oliver, Dyersburg, Tenn. Apparatus for applying medicaments to the lips. 1,735,221; Nov. 12.
 Tencas, Louis P., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Bleaching machine. 1,735,146; Nov. 12.
 Tevander, Swan N., Maywood, Ill. Screw-threaded cap for covering glass jars and other containers and making same. 1,735,445; Nov. 12.
 Thatcher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Automatically-operated centering machine. 1,735,361; Nov. 12.
 Thatcher, Joseph A., San Francisco, Calif. Water-heating apparatus. 1,735,554; Nov. 12.
 Thies, Urban C., Dayton, assignor, by mesne assignments, to The Globe-Wernicke Company, Cincinnati, Ohio. Metal and concrete building construction. 1,735,827; Nov. 12.
 Thommens Uhrenfabriken A. G. (See Straumann, Reinhard, assignor.)
 Thompson, Charles S., Park Ridge, and W. B. Long, assignors to Union Special Machine Company, Chicago, Ill. Filled-bag-closing machine. 1,735,862; Nov. 12.
 Thompson, Clifford F., Oak Park, assignor to Bodine Electric Company, Chicago, Ill. Stator for alternating-current motors. 1,735,222; Nov. 12.
 Thompson, Harry H., Kansas City, Mo., assignor to Radio Corporation of America, New York, N. Y. Sound system. 1,735,095; Nov. 12.
 Thompson, Ralph P., Somerset County, Md. Filling machine. 1,735,223; Nov. 12.
 Thompson, Theodore. (See Moecker, H., Jr., and Thompson.)
 Thornton, John E., London, assignor to J. O. O'Brien, Manchester, England. Multicolor cinematograph and other film. 1,735,810; Nov. 12.
 Thornton, John E., London, assignor to J. O. O'Brien, Manchester, England. Multicolor cinematograph and other film and producing the same. 1,735,811; Nov. 12.
 Thornton, John E., West Hampstead, assignor to J. O. O'Brien, Manchester, England. Cinematograph film. 1,735,812; Nov. 12.
 Thornton, John E., West Hampstead, London, England. Multicolor cinematograph and other films and making same. 1,735,813; Nov. 12.
 Tiffany, John B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for constructing tubes. 1,735,808; Nov. 12.
 Timken Roller Bearing Company, The. (See Curtis, George W., assignor.)
 Titcomb, Lee R., Brooklyn, assignor to Auto-Meter Co. Inc., New York, N. Y. Liquid-measuring device. 1,735,023; Nov. 12.

Titus, Robert R. (See Bengt, F. H., and Titus.)
 Tollagen, Olaf, Chicago, Ill., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Self-basting cover. 1,735,589; Nov. 12.
 Tolland, John W. (See Powers, F., and Tolland.)
 Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Doorcheck. 1,735,024; Nov. 12.
 Tonoue, Jitsuko, assignor to Toyodashi Shokki Kabushiki Kaisha, Nagoya, Japan. Automatic stopping system of power looms. 1,735,814; Nov. 12.
 Torrence, Jo M. (See Torrence, Leo M., assignor.)
 Torrence, Leo M., assignor to J. M. Torrence, Arlington, Kans. Traffic signal. 1,735,828; Nov. 12.
 Toyodashi Shokki Kabushiki Kaisha. (See Tonoue, Jitsuko, assignor.)
 Travis, George B., Santa Paula, Calif. Adjustable chair seat. 1,735,804; Nov. 12.
 Tray Service Company. (See Curtis, Paul W., assignor.)
 Tregoning, William C., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Pull-chain lamp socket. 1,735,305; Nov. 12.
 Treleven, Clifford Le R., Jackson Heights, N. Y., assignor to Ray-Signs Corporation. Reflecting optical unit. 1,735,815; Nov. 12.
 Trenkamp, Henry, Cleveland, Ohio. Door-control appliance. 1,735,661; Nov. 12.
 Trevino, Manuel F., Crystal City, Tex. Miniature aeroplane. 1,735,662; Nov. 12.
 Triangle Automobile Spring Company. (See Bernhardt, Joseph F., assignor.)
 Troger, Arthur M., East Orange, N. J., and C. F. Hudolph, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Water-cooled tube socket. 1,735,816; Nov. 12.
 Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Crank-planing machine. 1,735,188; Nov. 12.
 Trumppour, Frederick J., Forest Glen, Md. Blue-printing machine. 1,735,817; Nov. 12.
 Turrett, Stanley J., St. Louis, Mo., assignor to The Union Switch & Signal Company, Swissvale, Pa. Selective signaling system. 1,735,189; Nov. 12.
 Twigg, Charles A. (See Spinney, A. G., and Twigg.)
 Twin City Forge & Foundry Company. (See Overstrud, Melvin, assignor.)
 Ueki, Sakae. (See Kujirai, T., and Ueki.)
 Ueki, Sakae. (See Setoh, S., and Ueki.)
 Ueki, Uno, administratrix. (See Setoh, S., and Ueki.)
 Ulbrecht, Robert, Chicago, Ill. Slicing machine. 1,735,818; Nov. 12.
 Underwood, Elliott Fisher Company. (See Lindburg, Joseph, assignor.)
 Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
 Union Gas Engine Company. (See Seilden, Tor E., assignor.)
 Union Special Machine Company. (See Berger, Joseph, assignor.)
 Union Special Machine Company. (See Thompson, C. S., and Long, assignors.)
 Union Switch & Signal Company, The. (See Speer, James E., assignor.)
 Union Switch & Signal Company, The. (See Turrett, Stanley J., assignor.)
 United Shoe Machinery Corporation. (See Mayo, Benjamin F., assignor.)
 Urbain Corporation. (See Urbain, Edouard, assignor.)
 Urbain, Edouard, Paris, France, assignor to Urbain Corporation. Manufacture of active carbons. 1,735,096; Nov. 12.
 Urbanek, John A., assignor of one-half to A. Leightman, Detroit, Mich. Newspaper-vending machine. 1,735,819; Nov. 12.
 Uren, Lester C., Berkeley, Calif., assignor to Standard Oil Oil Development Company. Flooding method for recovering oil. 1,735,481; Nov. 12.
 Valsey, Harold C., assignor to Hickok Manufacturing Company, Rochester, N. Y. Suspender-end top link. Des. 79,914; Nov. 12.
 Vance, Arlyn T., Los Angeles, Calif. Physician's dilator. 1,735,519; Nov. 12.
 Van Norman Machine Tool Company. (See Stowell, Byron F., assignor.)
 Van Rennes, Cornelis, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Air-bag valve. 1,735,700; Nov. 12.
 Van Sant, Robert H. (See Goodall, F. E., and Van Sant.)
 Van Valkenburg, Herman L., and S. Miller, Wauwatosa, assignors to The Parlock Company, Milwaukee, Wis. Vehicle seat. 1,735,518; Nov. 12.
 Victor Ring Traveler Company. (See Morin, Amos, assignor.)
 Victoreen, Charles J., Cleveland Heights, Ohio. Master control. 1,735,363; Nov. 12.
 Vissering, Harry, Kenilworth, Ill. Track sander. 1,735,097; Nov. 12.
 Vogtlandische Maschinenfabrik (vormals: J. C. and H. Dietrich) Aktiengesellschaft. (See Wohlrahe, Otto, assignor.)
 Volt, Grover C., Hopedale, Ohio. Tracklaying attachment. 1,735,306; Nov. 12.
 Von Neudeck, Wilhelm, Philadelphia, Pa. Internal-keyway-milling device. 1,735,841; Nov. 12.
 Wacker, William E., Newark, N. J., assignor to August Goertz & Co., Inc. Cosmetic box. 1,735,482; Nov. 12.

Wacker, William E., Newark, N. J., assignor to August Goertz & Co., Inc. Cosmetic box. 1,735,483; Nov. 12.

Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)

Wahl Company, The. (See Funk, Charles J., assignor.)

Wahl Company, The. (See Wahl, John C., assignor.)

Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Fountain-pen assembling. 1,735,224; Nov. 12.

Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)

Waldorf Paper Products Company. (See Bache, Edmund, assignor.)

Walker, Cranford P., assignor to Llewellyn Iron Works, Los Angeles, Calif. Variable-voltage system of speed control for motors. 1,735,364; Nov. 12.

Walker, Edward E., et al. (See Taylor, Harry S., assignor.)

Walker, George, Newton Center, Mass. Distance-measuring apparatus. 1,735,623; Nov. 12.

Walker, Henry B., assignor to The Fairfield Engineering Company, Marion, Ohio. Material-handling apparatus. 1,735,365; Nov. 12.

Walker Manufacturing Company. (See Johnson, Alvin L., assignor.)

Wallen, Osborne, Easton, Pa., assignor of one-half to W. E. Matthews, Washington, N. J. Piston ring. 1,735,366; Nov. 12.

Walsh, Edward F., and W. E. Foust, Marion, Ind. Automatic dumping body for motor vehicles. 1,735,065; Nov. 12.

Walsh, Edward F., and W. E. Foust, Marion, Ind. Automatic dumping body for motor vehicles. 1,735,066; Nov. 12.

Ward, Nell C., Chicago, Ill. Stabilizer. 1,735,820; Nov. 12.

Warner Corporation, The. (See Lietzke, Henry R., assignor.)

Warner Gear Company. (See Fishburn, Otto E., assignor.)

Warren, Seymour P., Golden, Colo. Flotation process. 1,735,190; Nov. 12.

Washburn Company, The. (See Dennis, Elmer L., assignor.)

Waters & Waters Manufacturing Company. (See Waters, Nathan R., assignor.)

Waters, Nathan R., assignor to Waters & Waters Manufacturing Company, St. Louis, Mo. Pen and ink stand. 1,735,446; Nov. 12.

Watters, Thomas, Jr., et al. (See Ellis, Ralph N., assignor.)

Watts, Elmer A., Springfield, Mass. Pumping apparatus. 1,735,025; Nov. 12.

Weatherly, John F., Chattanooga, Tenn. Apparatus for packing fruit. 1,735,624; Nov. 12.

Weaver, Robin, et al., executor. (See Kaye, Samuel.)

Weeden Manufacturing Co. (See Ritchie, William, assignor.)

Weldner, Herman C. H. (See Wilson, Lawrence A., assignor.)

Weightograph Company, The. (See Hamblin, Fred B., assignor.)

Weinand, Klaus, Flittard, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Homonuclear amino-allylamine-anthraquinone sulphonic acids and making the same. 1,735,147; Nov. 12.

Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Electrical distribution system. 1,735,148; Nov. 12.

Welsenberg, William, assignor to The Halle Brothers Company, Cleveland, Ohio. Ornamental box. 1,735,191; Nov. 12.

Welch, Jack T., assignor to James Haddon's Sons, Dowagiac, Mich. Fishing reel. 1,735,026; Nov. 12.

Wendt, Gerald L., and C. Banta, Chicago, Ill., assignors to Standard Oil Company, Whiting, Ind. Manufacture of a ceresinlike wax. 1,735,555; Nov. 12.

Wentzloff, Herman F., Chicago, Ill. Fruit cutter and picker. 1,735,821; Nov. 12.

Werner, Oscar, South Bend Ind., assignor to Westinghouse Electric & Manufacturing Company. Lighting unit. 1,735,149; Nov. 12.

Wernicke, Louis, West Bend, Wis. Air motor. 1,735,822; Nov. 12.

West Disinfecting Company. (See Kooperstein, Louis, assignor.)

Western Pipe and Steel Company of California. (See Shoemaker, Philip D., assignor.)

Western Union Telegraph Company, The. (See Stearns, Charles F., assignor.)

Westinghouse Electric and Manufacturing Company. (See Bethel, Claude, assignor.)

Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Haverstick, Earl J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jones, Gordon F., assignor.)

Westinghouse Electric & Manufacturing Company. (See King, William R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kucher, Andrew A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Schaeke, William, assignor.)

Westinghouse Electric & Manufacturing Company. (See Werner, Oscar, assignor.)

Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)

Westinghouse Lamp Company. (See Slack, Charles M., assignor.)

Weston, Adolf, Los Angeles, Calif. Connector for rails. 1,735,307; Nov. 12.

Weston, William S., Columbia, S. C. Screen. 1,735,067; Nov. 12.

Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Apparatus for producing double-walled glass containers. 1,735,027; Nov. 12.

Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Apparatus for use in silvering vacuum bottles. 1,735,343; Nov. 12.

Wheeler, Leonard H. (See Davis, E. W., and Wheeler.)

Whitaker, Joseph P. (See Fleiding, John, assignor.)

Whitby, George S., Montreal, Quebec, Canada, assignor to The Roessler & Hasselacher Chemical Company, New York, N. Y. Accelerator for the vulcanization of rubber. 1,735,701; Nov. 12.

White, Edwin L., Honolulu, Hawaii, assignor to Wired Radio, Inc., New York, N. Y. Duplex radio communication system. 1,735,344; Nov. 12.

White, Ernest C., New York, N. Y., assignor of one-half to R. F. Fisher, Philadelphia, Pa. Electric-lighting fixture. 1,735,068; Nov. 12.

White, Harold E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,735,225; Nov. 12.

White, William E., assignor to Kalman Steel Company, Chicago, Ill. Bridging for joists. 1,735,590; Nov. 12.

White, William E., assignor to Kalman Steel Company, Chicago, Ill. Bridging for joists. 1,735,591; Nov. 12.

White, William E., assignor to Kalman Steel Company, Chicago, Ill. Mat chair. 1,735,592; Nov. 12.

Whitney, Harry L., and H. A. Lyon, Toledo, Ohio. Enslage and feed cutting machine. 1,735,226; Nov. 12.

Whitney, Vincent J., San Francisco, Calif. Casement-window support. 1,735,367; Nov. 12.

Wiehle, Edward W., Chicago, Ill., assignor to Birtman Electric Company. Handle and switch. 1,735,556; Nov. 12.

Wiess, Harry C., assignor to Humble Oil & Refining Company, Houston, Tex. Loading tank cars and the like. 1,735,484; Nov. 12.

Wight, Walter C., Dallas, Tex. Ice carrier. 1,735,098; Nov. 12.

Wilkes, Walter G., Biloxi, Miss. Feeder for type-casting machines. 1,735,069; Nov. 12.

Willans, Peter W., Worcester, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Wireless telephone receiving system. 1,735,150; Nov. 12.

Williams, Austin D., F. B. Gillett, and R. P. Clark, Sacramento, Calif. Support for pipes, rods, and the like. 1,735,192; Nov. 12.

Williams, Edward, Pelham, assignor to Wilson-Maculen Company, Inc., New York, N. Y. Selective pyrometer reading switch. 1,735,485; Nov. 12.

Williams, Frank M., Watertown, N. Y. Cutting or trimming device. 1,735,520; Nov. 12.

Williams, Gordon, Mount Carmel, Conn. Hood fastener for automobiles. 1,735,557; Nov. 12.

Williams, James C., Denver, Colo. Lubricant. 1,735,368; Nov. 12.

Williams, Stephen L., assignor to Extruded Metal Products Company, Bridgeport, Ohio. Pickling apparatus. 1,734,986; Nov. 12.

Williams, William G., Elgin, Ill., assignor to W. J. Lorang. Tilttable chiropractic table. 1,735,703; Nov. 12.

Williamson, Bailey F., and W. H. Belser, Gainesville, Fla. Making ester gum. 1,734,987; Nov. 12.

Williamson, Harry M., McCleary, Wash. Vegetable cutter. 1,735,702; Nov. 12.

Willis, Glenn H., assignor to J. L. Snyder, Akron, Ohio. Composite rubber heel. 1,735,369; Nov. 12.

Willshaw, Harry. (See Randles, J. T. T., Willshaw, and Smith.)

Willis-Overland Company, The. (See Baker, Arthur J., assignor.)

Willis-Overland Company, The. (See Hearn, Roy F., assignor.)

Wilson, Clement P., Cedar Rapids, Iowa. Clinching press. 1,735,625; Nov. 12.

Wilson, Earl, Stroud, Okla. Stuffing box. 1,735,193; Nov. 12.

Wilson, Lawrence A., assignor of one-half to H. C. H. Weldner, Pittsburg, Pa. Automatic closing device for cartons and the like. 1,735,704; Nov. 12.

Wilson-Maculen Company. (See Williams, Edward, assignor.)

Wilson, Ramsay W., North Plainfield, N. J. Flexible shaft coupling. 1,734,988; Nov. 12.

Wilson, William J. (See Moore, W. D., Barr, Moore, and Wilson.)

Wilson, William P., Detroit, Mich. Data computer. 1,735,028; Nov. 12.

Winkler, Karl. (See Pier, M., and Winkler.)

Winslow, William H., assignor to G. W. Dulany, Jr., Chicago, Ill. Steam boiler. 1,735,345; Nov. 12.

Wired Radio, Inc. (See Taylor, Albert H., assignor.)

Wired Radio, Inc. (See Troegner, A. M., and Rudolph, assignors.)

Wired Radio, Inc. (See White, Edwin L., assignor.)

Wittcoff, Edward, assignor to Superior Hat Company, St. Louis, Mo. Hat. 1,735,705; Nov. 12.

White, Martin, Breslau, Germany. Device for extinguishing the flame of blasting charges. 1,735,099; Nov. 12.

Wittenberg, Lester. (See Paffen, P. J., and Wittenberg.)

Wohlrahe, Otto, Plauen, Germany, assignor to Vogtländische Maschinenfabrik (vormals J. C. and H. Dietrich) Aktiengesellschaft, Plauen, Germany. Web-registering means. 1,735,100; Nov. 12.

Wood, Frank W., Montclair, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y. Controller for electric indicators. 1,735,706; Nov. 12.

Wood, Robert W. (See Loomis, A. L., and Wood.)

Worden, Robert, Lansing, Mich. Crank shaft. 1,735,707; Nov. 12.

Worrell, Paola P., Chester, Idaho. Airplane. 1,735,308; Nov. 12.

Wright, Frank H. (See Moses, A. J., and Wright.)

Wright, James A., Montreal, Quebec, Canada. Front-axle assembly. 1,735,708; Nov. 12.

Wrightson, Samuel S., and C. R. Matthews, Albert Hill, England. Fishplate for railways or tramways. 1,735,194; Nov. 12.

Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Chuck for bushings. 1,734,989; Nov. 12.

York Band Instrument Company. (See Johnson, Alfred J., assignor.)

York Ice Machinery Corporation. (See Bergdoll, John G., assignor.)

Youker, Malcolm P., Bartlesville, Okla. Rectifying process. 1,735,558; Nov. 12.

Young, Joseph M., New York, N. Y. Windshield wiper. 1,735,070; Nov. 12.

Young, Philip L., Elizabeth, N. J., assignor to Standard Oil Development Company. Treatment of hydrocarbons. 1,735,486; Nov. 12.

Young, William D., Newton Center, Mass. Crib cover. 1,735,521; Nov. 12.

Zaldan Hojin Rikagaku Kenkyujo. (See Kujirai, T., and Ueki, assignors.)

Zaldan Hojin Rikagaku Kenkyujo. (See Setoh, S., and Ueki, assignors.)

Zalser, William, Brooklyn, N. Y. Waterproofing hollow tile walls. 1,735,447; Nov. 12.

Zelsberg, Fred C. (See Taylor, G. B., and Zelsberg.)

Ziebarth, Frederick A., Delano, Minn. Fence-post brace. 1,735,101; Nov. 12.

Zifferer, Lothar R., Columbia, Pa. Floor and ceiling plate. 1,735,029; Nov. 12.

Zimmerman, John F., Springfield, Ohio. Railway crossing. 1,735,626; Nov. 12.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Rail clamp for shaping machines. 1,735,370; Nov. 12.

Zint, George, Wapakoneta, Ohio. Signal. 1,735,709; Nov. 12.

Zitzmann, George, Yonkers, N. Y. Ignition tester gauge. 1,735,593; Nov. 12.

Zrazik, Antoni, Chicago, Ill. Rail. 1,735,227; Nov. 12.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Absorption machine. E. Altenkirch. 1,735,487; Nov. 12.
Accelerator for the vulcanization of rubber. G. S. Whitby. 1,735,701; Nov. 12.
Acid anhydride from acetic acid. Manufacture and production of acetic. F. A. Henglein and F. Schleicher. 1,735,433; Nov. 12.
Acid, Making carboxylic. S. J. Lloyd and A. M. Kennedy. 1,735,327; Nov. 12.
Acid, Process and apparatus for the manufacture of nitric. G. B. Taylor and F. C. Zelsberg. 1,735,342; Nov. 12.
Acids and making the same. Homonuclear amino-alkyl-amino-anthraquinone sulphonic. K. Weinand. 1,735,147; Nov. 12.
Adjustment table. A. E. Gregory. 1,735,569; Nov. 12.
Aeroplane, Miniature. M. F. Trevino. 1,735,062; Nov. 12.
Air, Apparatus for conditioning. L. Helmer. 1,735,611; Nov. 12.
Air-filtering device. J. P. Remington. 1,735,694; Nov. 12.
Air heater. C. W. E. Clarke. 1,734,962; Nov. 12.
Air motor. L. Wernicke. 1,735,822; Nov. 12.
Airplane. P. P. Worrell. 1,735,308; Nov. 12.
Air separator. T. J. Sturtevant. 1,735,479; Nov. 12.
Alloy, Steel. A. Fry. 1,735,744; Nov. 12.
Aluminum material, Forming an electrically-insulating and anticorrosive oxide coating on. S. Setoh and S. Ueki. 1,735,509; Nov. 12.
Amplifier and electric-light fixture support, Combination loud-speaker. R. H. Seer. 1,735,549; Nov. 12.
Amplifying low-frequency speech currents of radioreceivers, Apparatus for. G. Eichhorn. 1,735,267; Nov. 12.
Antenna system. G. A. Mathieu. 1,735,083; Nov. 12.
Asphalt, Making. L. Kirschbraun. 1,735,503; Nov. 12.
Automatic station. G. F. Jones. 1,735,116; Nov. 12.
Automatic switch. J. E. Huey. 1,735,761; Nov. 12.
Automobiles, Siphon circulating system for. S. Kaye. 1,735,613; Nov. 12.
Awning hanger. J. A. Duthie. 1,735,314; Nov. 12.
Awnings, Combination head rod and pulley fixture for. H. Etkins. 1,735,382; Nov. 12.
Axle assembly, Front. Apparatus for coating. C. W. Eggenweller and W. J. Flegel. 1,735,534; Nov. 12.
Axle press. C. W. Prather. 1,735,128; Nov. 12.
Badge or similar article, Emblem. H. F. Morris. Des. 79,896; Nov. 12.
Bag, See—
Hand bag.
Balance indicator for golf clubs. Z. S. Taylor. 1,735,517; Nov. 12.
Balling machine. J. J. Caldwell. 1,735,036; Nov. 12.
Band clip. P. C. Alford. 1,735,346; Nov. 12.
Bar, See—
Neutraliser bar.
Bar twister for rolling mills. A. T. Blocker. 1,735,282; Nov. 12.
Basket, Berry. G. MacDonald. 1,735,173; Nov. 12.
Battery terminal. T. Cotter and T. F. Griggs. 1,735,038; Nov. 12.
Bearing for rolling mills and the like. D. Jones. 1,735,319; Nov. 12.
Bearing, Thrust. E. Fulpius. 1,735,315; Nov. 12.
Bearings or the like, Apparatus for coating. C. W. Eggenweller and W. J. Flegel. 1,735,534; Nov. 12.
Bed, Reclining. C. F. Kolb. 1,735,006; Nov. 12.
Belt joint and making the same. E. G. Kimmich. 1,735,686; Nov. 12.
Binder, Loose-leaf. R. E. Beebe, Jr. 1,735,031; Nov. 12.
Binders, Bundle holder for corn. R. A. Head. 1,735,275; Nov. 12.
Blast furnace. Y. Murakami. 1,735,293; Nov. 12.
Bleaching machine. L. P. Tenca. 1,735,146; Nov. 12.
Blue-printing machine. F. J. Trumpour. 1,735,817; Nov. 12.
Board, See—
Drawing board. Waterproof paperboard.
Bobbin-winding machines, Attachment for. J. D. Joyce. 1,735,349; Nov. 12.
Boiler, See—
Steam boiler.
Boiler. E. C. Kethley. 1,735,464; Nov. 12.
Boiler compound. W. L. Kniesel. 1,735,402; Nov. 12.
Boiler-tube puller. A. E. Hand. 1,735,272; Nov. 12.
Bolt and wire cutter. J. H. A. and W. Helwig. 1,735,317; Nov. 12.
Bookbinder. L. F. Parr. 1,735,211; Nov. 12.
Book, Memorandum. L. P. Huey. 1,735,318; Nov. 12.
Bottle-handling device. E. J. Harris. 1,735,502; Nov. 12.
Bottle, Mucilage. W. S. Carpenter. 1,735,262; Nov. 12.
Bottle-seal opener. M. D. Avillar. Des. 79,877; Nov. 12.

Bottle washer, Milk-. H. F. Krause. 1,735,539; Nov. 12.
Bowl, Water. H. J. Ferris. 1,735,530; Nov. 12.
Box, See—
Cosmetic box. Ornamental box.
Display box. Outlet box.
Leather-tempering box. Stuffing box.
Mail box. Wrist-watch box.
Boxes, Decorating. F. Goertz. 1,735,431; Nov. 12.
Brace, See—
Fence-post brace.
Brake. E. J. Madden. 1,735,206; Nov. 12.
Brake for automobiles and other vehicles. H. E. Dey. 1,735,529; Nov. 12.
Brake for automobiles, Reverse. M. A. Mikesh. 1,735,332; Nov. 12.
Brake for motor-vehicle wheels. L. Rouanet. 1,735,507; Nov. 12.
Brake gearing for railway cars. H. C. Priebe. 1,735,055; Nov. 12.
Brake mechanism, Tool-spindle. A. M. Johnson. 1,735,400; Nov. 12.
Brake-operating mechanism. C. B. Scoville, Jr. 1,735,339; Nov. 12.
Brake stop for drill feed shafts, Band-. A. M. Johnson. 1,735,401; Nov. 12.
Brakes, Slack adjuster for. J. R. Grube. 1,735,752; Nov. 12.
Braking device. J. Sneed. 1,735,139; Nov. 12.
Braking mechanism. J. J. Dicks, Jr. 1,735,452; Nov. 12.
Brick and other clay products, Salt-glazing. S. H. Ivery. 1,735,167; Nov. 12.
Brick-making machinery. B. F. Hayden. 1,735,274; Nov. 12.
Brick, Process and apparatus for forming face. S. M. Duty. 1,735,497; Nov. 12.
Briquette and making the same, Carbonaceous. H. F. Rippey, G. Davidson, C. N. Cone, I. F. Laucka, and H. P. Banks. 1,735,506; Nov. 12.
Brush. R. Statuto. 1,735,802; Nov. 12.
Brush and mop holding handle. N. Hill. 1,735,644; Nov. 12.
Buckle. W. L. Myers. Des. 79,899; Nov. 12.
Building construction, Metal and concrete. U. C. Thies. 1,735,827; Nov. 12.
Building material. E. S. Miller, R. W. Stamhaugh, and G. W. McKown. 1,735,259; Nov. 12.
Burner, See—
Hydrocarbon burner. Oil burner.
Burner. F. Blinsfeld. 1,735,069; Nov. 12.
Burner structure. F. Rueppel. 1,735,182; Nov. 12.
Burner unit for gas heating apparatus. H. W. O'Dowd. 1,735,618; Nov. 12.
Cabinet. R. Evans. 1,735,741; Nov. 12.
Cabinet, Filing. E. J. Card and V. A. Gronberg. 1,735,375; Nov. 12.
Cabinet, Hair-waving operator's. F. Salerno. 1,735,183; Nov. 12.
Cabinet, Kitchen. O. Landaw. 1,735,119; Nov. 12.
Cabinet, Towel. G. A. Steiner. 1,735,514; Nov. 12.
Cabinet, Towel. F. M. Steiner. 1,735,515; Nov. 12.
Cabinet, Towel. G. A. Steiner. 1,735,516; Nov. 12.
Cable clamp, Battery-. O. Oldham. 1,735,782; Nov. 12.
Cable-conveying means. W. Short. 1,735,301; Nov. 12.
Can, See—
Oil can.
Can guide. W. J. Koch. 1,735,825; Nov. 12.
Canned sliced apples and canning the same. B. C. Coons. 1,735,526; Nov. 12.
Candy doll. H. S. Moore. Des. 79,894; Nov. 12.
Capstan. H. S. Albrecht. 1,735,711; Nov. 12.
Car cage. G. W. Merritt. 1,735,777; Nov. 12.
Car construction. O. C. Duryea. 1,735,424; Nov. 12.
Car dump, Rotary. G. W. Merritt. 1,735,778; Nov. 12.
Car-dumping device. J. B. Strauss. 1,735,022; Nov. 12.
Car replacer. L. B. See. 1,735,360; Nov. 12.
Car seat. J. B. Kilburn. 1,735,320-1; Nov. 12.
Carbon-dioxide snow, Making. T. B. Slate. 1,735,094; Nov. 12.
Carbon disulphide, Production of. M. Pier and K. Winkler. 1,735,409; Nov. 12.
Carbon-sheet-attaching means. J. A. B. Smith. 1,735,138; Nov. 12.
Carbonaceous material, Distilling solid. S. Hiller. 1,735,394; Nov. 12.
Carbons, Manufacture of active. E. Urbain. 1,735,096; Nov. 12.
Carburetor. A. Girin. 1,735,499; Nov. 12.
Carburetor. E. A. Jones. 1,735,202; Nov. 12.

ALPHABETICAL LIST OF INVENTIONS

xxxvii

Carburetors, Safety sump attachment for. M. J. Aldrich, D. A. Seitz, and K. E. Gabbert. 1,735,712; Nov. 12.
Carrier, See—
Ice carrier.
Carrier system, Frequency-equalization. E. I. Green. 1,735,044; Nov. 12.
Carton. W. E. MacMillan. Des. 79,888; Nov. 12.
Carton, Display. J. J. Hess. 1,735,682; Nov. 12.
Carton sealer. H. J. Hagist. 1,735,631; Nov. 12.
Cartons and the like, Automatic closing device for. L. A. Wilson. 1,735,704; Nov. 12.
Case, See—
Dispensing case. Vanity case.
Show case.
Cash register. F. W. F. Berger. 1,735,033; Nov. 12.
Cash register. B. M. Shipley. 1,735,062; Nov. 12.
Casing for a lubricant dispenser. C. W. Mensing. Des. 79,893; Nov. 12.
Casting apparatus for laminated rotors. N. Lester. 1,735,049; Nov. 12.
Cellulose-ether composition. S. J. Carroll. 1,735,156-8; Nov. 12.
Cellulose pulp, Method of and apparatus for the production of. G. A. Richter. 1,735,015; Nov. 12.
Cellulosic material, Pulping raw. G. A. Richter. 1,735,013; Nov. 12.
Centering machine, Automatically-operated. J. J. Thacher. 1,735,361; Nov. 12.
Centrifugal. L. J. Barrett. 1,735,523; Nov. 12.
Chain, Bracelet. J. Fielding. 1,735,384; Nov. 12.
Chain link. W. Brockschmidt. 1,734,960; Nov. 12.
Chair, See—
Mat chair.
Chair seat, Adjustable. G. B. Travis. 1,735,304; Nov. 12.
Chandelier or analogous lighting fixture. G. E. McFadden. Des. 79,890; Nov. 12.
Chiropractic table, Tiltable. W. G. Williams. 1,735,703; Nov. 12.
Chuck for bushings. G. F. Yager. 1,734,989; Nov. 12.
Chute or carrier, Vibratory. A. Sklenaf. 1,735,137; Nov. 12.
Circuit breaker, Retarded. H. R. Stewart. 1,735,588; Nov. 12.
Circuit interrupter, Electric. M. M. Samuels and J. Amon. 1,734,982; Nov. 12.
Circuits, Low-frequency electric amplifier. P. H. Greeley. 1,735,750; Nov. 12.
Clamp, See—
Cable clamp. Flow-line clamp.
Clamp plate for vehicle bumper. H. S. Jandus and E. R. Keeler. Des. 79,886; Nov. 12.
Clamping plates, Producing. O. Meland. 1,735,776; Nov. 12.
Clasp, See—
Collar clasp.
Cleaning and polishing machine. Boot. N. Martinez. 1,735,771; Nov. 12.
Cleaning composition. M. McLean. 1,735,774; Nov. 12.
Cleaning compound. J. Talalay and W. Holzberg. 1,735,480; Nov. 12.
Cleaning device, Stovepipe-. V. C. Baird. 1,735,488; Nov. 12.
Clutching press. C. P. Whison. 1,735,625; Nov. 12.
Clip, See—
Band clip. Hairpin clip.
Clipper, Hair. J. Kautz. 1,735,766; Nov. 12.
Clockcase. C. R. Gains. Des. 79,916; Nov. 12.
Closure. V. G. Giraud. 1,735,480; Nov. 12.
Closure disk and securing means therefor. L. T. Richey. 1,735,056; Nov. 12.
Closure for flood-light projectors. P. M. Hotchkiss. 1,735,248; Nov. 12.
Closure for tank openings. E. A. Hoffman. 1,735,683; Nov. 12.
Clutch and driving means. R. W. Janda. 1,735,201; Nov. 12.
Clutch, Automatically-controlled. H. D. Colman. 1,734,998; Nov. 12.
Clutch, Ball or roller. W. Miller. 1,735,125; Nov. 12.
Clutch, Magnetic. W. D. Moore, C. D. Barr, J. W. Moore, and W. J. Wilson. 1,735,648; Nov. 12.
Clutch, Safety. J. H. Smith. 1,735,799; Nov. 12.
Coal, Process and apparatus for drying and pulverizing. F. I. Barrows. 1,734,992; Nov. 12.
Coating metallic aluminum or aluminum alloys with aluminum oxide skin. T. Kujral. 1,735,286; Nov. 12.
Cock, Angle. B. Pratt. 1,735,790; Nov. 12.
Collar and making same, Attached. R. Hunter. 1,735,399; Nov. 12.
Collar clasp. I. Gnatowsky. 1,735,387; Nov. 12.
Collar, Flexible. R. P. Bryant. 1,735,636; Nov. 12.
Collet. B. F. Stowell. 1,735,804; Nov. 12.
Colloidal suspension treatment. B. Sugden. 1,735,142; Nov. 12.
Communication system, Multiple-channel. A. H. Taylor. 1,735,341; Nov. 12.
Compass, Drafting. L. A. Audrieth. 1,734,958; Nov. 12.
Composition for coating brick, tile, or cement. D. C. Reed. 1,735,793; Nov. 12.
Compressor, Air. P. J. Paffen and L. Wittenberg. 1,735,441; Nov. 12.
Concrete-form tie and spacer. D. B. Smith. 1,735,017; Nov. 12.
Concrete machines, Feed wheel for pneumatic. A. T. Caslere. 1,735,233; Nov. 12.

Condensation, Process and apparatus for fractional. F. D. Penhagen, F. H. Rhodes, and T. M. Hesser. 1,735,455; Nov. 12.
Condenser. T. C. Deutschmann. 1,735,381; Nov. 12.
Condenser, Variable. W. Dubilier. 1,735,532; Nov. 12.
Condenser, Variable. H. H. Ide. 1,735,435; Nov. 12.
Conduit fitting. M. L. Ansel. 1,735,693; Nov. 12.
Conduit fitting. J. C. Boyton. 1,735,196; Nov. 12.
Connector for rails. A. Weston. 1,735,307; Nov. 12.
Contact for electrical heater plugs. J. P. Eastman. 1,735,533; Nov. 12.
Contact mechanism. H. W. Cheney. 1,735,263; Nov. 12.
Container. L. H. Brodick. 1,735,154; Nov. 12.
Container. C. L'Enfant. 1,735,323-5; Nov. 12.
Container for coating material. J. J. McClellan. 1,734,976; Nov. 12.
Container for coloring material. W. M. Steele and E. G. Allen. 1,735,219; Nov. 12.
Containers, Apparatus for producing double-walled glass. M. P. Wetmore. 1,735,027; Nov. 12.
Control, Knee-operated throttle. W. E. Seppman. 1,735,508; Nov. 12.
Control means for multiple-way electric-circuit devices. R. E. Ollerenshaw. 1,735,357; Nov. 12.
Control mechanism for centrifugal machines. H. J. M. C. Krantz. 1,735,204; Nov. 12.
Control of selector apparatus, Remote. C. F. Stearns. 1,735,838; Nov. 12.
Control, Spark and throttle. R. F. Hearn. 1,735,247; Nov. 12.
Controller for electric indicators. F. W. Wood. 1,735,706; Nov. 12.
Controlling railway switches, Apparatus for. J. E. Speer. 1,735,019; Nov. 12.
Conveyer system. J. T. T. Randles, H. Willshaw, and H. Smith. 1,735,443; Nov. 12.
Cooker, Variable time. G. D. Gardner. 1,735,242; Nov. 12.
Cooking materials, Apparatus for. S. Hiller. 1,735,392; Nov. 12.
Copper coating. J. G. Dely. 1,735,000; Nov. 12.
Corner structure. W. H. Knobloch. 1,735,047; Nov. 12.
Cosmetic box. W. E. Wacker. 1,735,482-3; Nov. 12.
Cotton-seeding mechanism. W. Shaw. 1,735,135; Nov. 12.
Counter, Refrigerating. F. E. Dennison. 1,735,495; Nov. 12.
Coupling, See—
Hose coupling. Shaft coupling.
Pipe coupling.
Coupling box for rolling mills. P. G. Palmgren. 1,734,978; Nov. 12.
Coupling nipple, Lubricating. C. G. Butler. 1,734,996; Nov. 12.
Couplings on tubular members, Securing metal end. C. L. Deckard. 1,735,563; Nov. 12.
Cover, Crib. W. D. Young. 1,735,521; Nov. 12.
Cover, Hatch. R. MacGregor. 1,735,329; Nov. 12.
Cover, Radio station indicator. D. Schwartz. Des. 79,911; Nov. 12.
Cover, Self-basting. O. Tallagren. 1,735,589; Nov. 12.
Covering, Making air-cell pipe. A. P. Jurgensen. 1,735,684; Nov. 12.
Crank shaft. R. Worden. 1,735,707; Nov. 12.
Crate, Bottle. J. F. Maurer, Jr. 1,735,772; Nov. 12.
Crate-filling apparatus, Egg-. L. L. Gillespie. 1,735,042; Nov. 12.
Crossing signal, Railroad-. D. W. Lucas. 1,735,647; Nov. 12.
Cultivator, Lister. A. D. Gallagher. 1,735,568; Nov. 12.
Cup, See—
Fluid-containing cup.
Curative-ray generator. L. G. Schwanzel and O. A. Kniesly. 1,735,215; Nov. 12.
Cutter, See—
Bolt and wire cutter. Vegetable cutter.
Cutter. C. J. Anderson. 1,735,310; Nov. 12.
Cutter. C. J. Anderson. 1,735,594; Nov. 12.
Cutting gauge. S. W. Sims. 1,735,216; Nov. 12.
Cutting machine, Ensilage and feed. H. L. Whitney and H. A. Lyon. 1,735,226; Nov. 12.
Cutting machine, Micrometric-screw-. M. Audibert. 1,735,666; Nov. 12.
Cutting or trimming device. F. M. Williams. 1,735,520; Nov. 12.
Damper control. F. H. Bryant. 1,735,034; Nov. 12.
Data computer. W. P. Wilson. 1,735,028; Nov. 12.
Decking apparatus for automobile bodies. C. L. Snyder. 1,735,800; Nov. 12.
Decorating floor coverings. C. O. Karpf. 1,735,765; Nov. 12.
Dentures, Attaching device for. H. C. Hagman. 1,735,537; Nov. 12.
Device for removing foreign bodies from the gullet of animals, especially of ruminants. O. Lehmann. 1,735,287; Nov. 12.
Diamond core drill. F. Powers and J. W. Tolland. 1,735,091; Nov. 12.
Dilator, Physician's. A. T. Vance. 1,735,519; Nov. 12.
Dipper scraper, Ice-cream-. R. Hart and F. Holmes. 1,735,756; Nov. 12.
Dirt-handling machine. H. M. Pursel. 1,735,412; Nov. 12.
Disk-assembling mechanism. L. T. Frederick. 1,735,609; Nov. 12.

Dispensing case, Cigarette. C. G. Iaine. 1,735,253; Nov. 12.
 Dispensing device. E. C. Hake and S. S. Sellman. 1,734,968; Nov. 12.
 Dispensing device. Food. J. L. Neel. 1,735,353; Nov. 12.
 Dispensing device for material. A. F. Elies. 1,735,077; Nov. 12.
 Dispensing device. Liquid-soap. L. Kooperstein. 1,735,463; Nov. 12.
 Display box. J. P. Shearer. 1,735,059; Nov. 12.
 Display device. R. S. Moore. 1,735,009; Nov. 12.
 Display pad for jewelry boxes and the like and method of forming the same. J. M. Shields. 1,735,061; Nov. 12.
 Display rack for folding tables or like articles. P. R. Chubbuck. 1,734,997; Nov. 12.
 Display stand. H. S. Best and W. E. Nesbitt. 1,734,993; Nov. 12.
 Distributing device. J. R. Lévy. 1,735,504; Nov. 12.
 Distribution system. C. R. Martin. 1,735,690; Nov. 12.
 Dividing or cutting fruits and the like. Apparatus for. R. F. MacFarlane. 1,735,174; Nov. 12.
 Door. Automatically-operated explosion. H. F. Dissel. 1,735,238; Nov. 12.
 Doorcheck. M. H. Toncray. 1,735,024; Nov. 12.
 Door construction. Oven. H. W. O'Dowd. 1,735,652-3; Nov. 12.
 Door-control appliance. H. Trenkamp. 1,735,601; Nov. 12.
 Door. House-car end. K. F. Nystrom. 1,735,617; Nov. 12.
 Door-operating device for elevators. E. M. Bouton. 1,735,153; Nov. 12.
 Double-sheave wheel. G. W. Curtis. 1,735,602; Nov. 12.
 Dough blender. E. L. Dennis. 1,735,236; Nov. 12.
 Dough-cutting machine. F. Gathmann. 1,735,111; Nov. 12.
 Drawing board. E. Moratz. 1,735,292; Nov. 12.
 Dress. D. Long. Des. 79,887; Nov. 12.
 Drill: See—
 Diamond-core drill.
 Drill-press table. R. E. Stubbs. 1,735,478; Nov. 12.
 Drill-shoe regulator. Seed. M. Chelowsky. 1,735,597; Nov. 12.
 Drink mixer, Sanitary. P. Supervielle. 1,735,143; Nov. 12.
 Drive for roller tables in rolling mills. A. T. Keller and R. H. Stevens. 1,735,767; Nov. 12.
 Drive mechanism. L. B. Green. 1,735,459; Nov. 12.
 Drying process. S. Hiller. 1,735,397; Nov. 12.
 Dust particles. Apparatus for collecting. H. W. Pfeiffer. 1,735,298; Nov. 12.
 Dyestuff. Dianthraquinonylamine sulphonic acid. W. Mieg and H. Raeder. 1,735,123; Nov. 12.
 Educational device. R. H. Garman. 1,735,456; Nov. 12.
 Electric furnace. F. W. Brooke. 1,735,419; Nov. 12.
 Electric switch. Heat-controlled. J. W. Layman. 1,735,614; Nov. 12.
 Electrical apparatus. J. C. Federle. 1,735,163; Nov. 12.
 Electrical apparatus. K. C. Randall. 1,735,179; Nov. 12.
 Electrical connector. J. W. Hamilton. 1,735,316; Nov. 12.
 Electrical distribution system. J. Weinberger. 1,735,148; Nov. 12.
 Electrical-fixture construction. H. J. Morey. 1,735,260; Nov. 12.
 Electrical system. N. J. Perryman. 1,735,473; Nov. 12.
 Electron-emitting cathode. G. L. Hertz. 1,735,080; Nov. 12.
 Elevator: See—
 Waste elevator.
 Emulsions and the like. Method and apparatus for forming. A. L. Loomis and R. W. Wood. 1,734,975; Nov. 12.
 Engine: See—
 Internal-combustion engine. Toy steam engine.
 Engines. Starting air distributor for Diesel. T. E. Sellden. 1,735,414; Nov. 12.
 Envelope. B. R. Harris. 1,735,273; Nov. 12.
 Ester gum. Making. B. F. Williamson and W. H. Belsler. 1,734,987; Nov. 12.
 Esters of cellulose. Making mixed organic. H. T. Clarke and C. J. Malm. 1,735,159; Nov. 12.
 Excavator. J. E. Mattinson and E. J. Moody. 1,735,122; Nov. 12.
 Exercising device. R. B. Hall. 1,735,538; Nov. 12.
 Expansion joint. A. C. Fischer. 1,735,270; Nov. 12.
 Extinguishing the frame of blasting charges. Device for. M. Witte. 1,735,099; Nov. 12.
 Extracting petroleum. J. L. Rich. 1,735,012; Nov. 12.
 Extractors. Safety attachment for. J. Gariglio. 1,735,745; Nov. 12.
 Fabric: See—
 Wire fabric.
 Fabric or similar article. Textile. C. Muentener. Des. 79,896-8; Nov. 12.
 Fabrics. Making endless wire. R. Franck. 1,735,640; Nov. 12.
 Fastener. Chain. D. W. Sigsworth. 1,735,798; Nov. 12.
 Fastener for automobiles. Hood. G. Williams. 1,735,557; Nov. 12.
 Fastener for wire brushes. Tuft. H. Hertzberg. 1,735,277; Nov. 12.
 Fastener. Separable. H. A. Salley. 1,735,620; Nov. 12.
 Fastener. Ventilating-sash. R. Krasberg. 1,735,081; Nov. 12.
 Fence-post brace. F. A. Ziebarth. 1,735,101; Nov. 12.

Fiber articles. Production of. M. M. Frost. 1,735,426-9; Nov. 12.
 Filling machine. R. P. Thompson. 1,735,223; Nov. 12.
 Filled-bag-closing machine. C. S. Thompson and W. B. Long. 1,735,302; Nov. 12.
 Film and making same. Multicolor cinematograph and other. J. E. Thornton. 1,735,813; Nov. 12.
 Film and producing the same. Multicolor cinematograph and other. J. E. Thornton. 1,735,811; Nov. 12.
 Film. Cinematograph. J. E. Thornton. 1,735,812; Nov. 12.
 Film. Multicolor cinematograph and other. J. E. Thornton. 1,735,810; Nov. 12.
 Filter for liquids. Pressure. N. Lanes. 1,735,007; Nov. 12.
 Filter. Wave. C. H. Fetter. 1,735,742; Nov. 12.
 Filtering and thickening mixtures. G. Cruickshank. 1,734,999; Nov. 12.
 Finger moistener. C. C. Harris. 1,735,046; Nov. 12.
 Finger ring. S. Grossman. Des. 79,883; Nov. 12.
 Flns to cylinders. Attaching. L. J. Purdy. 1,735,213; Nov. 12.
 Firearm. Automatic. J. Destree. 1,735,160; Nov. 12.
 Fire extinguisher. H. W. Doughty. 1,735,531; Nov. 12.
 Fire-fighting appliance. D. E. Carey. 1,735,376; Nov. 12.
 Fishing reel. J. T. Welch. 1,735,026; Nov. 12.
 Fixture. Motor-vehicle robe-rail. G. Graff. Des. 79,882; Nov. 12.
 Flame arrester. T. J. Calhoun. 1,735,261; Nov. 12.
 Flame or smoke for signaling. Production of. C. W. Bonniksen and S. Barratt. 1,735,373; Nov. 12.
 Floor and ceiling plate. L. R. Zifferer. 1,735,029; Nov. 12.
 Floral rack. J. A. Heinz. Rel. 7,487-8; Nov. 12.
 Flotation process. S. P. Warren. 1,735,190; Nov. 12.
 Fluid-containing cup. C. S. Crickmer. 1,735,264; Nov. 12.
 Fluid for refrigeration. Working. A. A. Kucher. 1,735,170; Nov. 12.
 Fluid-pressure motor. E. J. and R. H. Moore. 1,735,176; Nov. 12.
 Fluids. Method of and apparatus for compressing and expanding elastic. K. E. Sturt. 1,735,477; Nov. 12.
 Flying machine. G. D. Higgins. 1,735,115; Nov. 12.
 Food product and making same. L. Shostak. 1,735,510; Nov. 12.
 Formamid. Vaporizing. E. Münch. 1,735,407; Nov. 12.
 Formates and gaseous mixtures rich in hydrogen. Producing simultaneously. G. Claude and A. H. Gosselin. 1,735,107; Nov. 12.
 Foundry mold. Permanent metal. E. C. Lewis. 1,734,974; Nov. 12.
 Frame: See—
 Window frame.
 Frame for buildings. Steel. W. A. Bates. 1,735,627; Nov. 12.
 Framework for glass-polishing units or the like. A. W. Platt. 1,735,410; Nov. 12.
 Fruit cutter and picker. H. F. Wentzloff. 1,735,821; Nov. 12.
 Fruit grader. P. A. Robbins. 1,735,795; Nov. 12.
 Fruit-perforating machine. T. C. Moore. 1,735,406; Nov. 12.
 Fuel-injection system. J. M. Lea. 1,735,439; Nov. 12.
 Fuel injector. A. C. Attenu. 1,735,718; Nov. 12.
 Fuelizer for internal-combustion engines operating power actuators. C. S. Bragg and V. W. Klearath. 1,735,634; Nov. 12.
 Fuel-supplying device. L. H. L. Bellem. 1,735,032; Nov. 12.
 Furfural. Manufacturing. C. S. Miner and H. J. Brownlee. 1,735,084; Nov. 12.
 Furnace: See—
 Blast furnace. Heating furnace.
 Electric furnace. Regenerative furnace.
 Glory-hole furnace.
 Furnace-port construction. L. N. McDonald. 1,735,256; Nov. 12.
 Furnace-regulating system. G. H. Gibson. 1,735,678; Nov. 12.
 Furniture. Collapsible. C. E. Stalter. 1,735,513; Nov. 12.
 Fuse-block housing. R. B. Benjamin. 1,735,072; Nov. 12.
 Fuse. Electric. H. T. Bussmann. 1,735,672; Nov. 12.
 Game apparatus. H. H. Ristow. 1,735,794; Nov. 12.
 Gas producer. R. Daas. 1,735,380; Nov. 12.
 Gas projectile. Tear. R. J. Aiden. 1,735,522; Nov. 12.
 Gauge: See—
 Cutting gauge. Pressure gauge.
 Ignition-tester gauge.
 Gear. Timing. A. J. Baker. 1,735,229; Nov. 12.
 Gear transmission. Y. Kikuchi. 1,735,578; Nov. 12.
 Gear. Valve. E. Grieshaber. 1,735,045; Nov. 12.
 Gear wheel. Flexible. C. Bethel. 1,735,105; Nov. 12.
 Gelatine. Communiting. A. Neff. 1,735,356; Nov. 12.
 Generator: See—
 Curative-ray generator. Oscillation generator.
 Glare shield for vehicles. W. N. Shelton. 1,735,699; Nov. 12.
 Glass. Apparatus for feeding molten. K. E. Peller. 1,735,837; Nov. 12.
 Glass. Apparatus for surfacing plate. J. P. Crowley. 1,735,599; Nov. 12.
 Glass-delivering apparatus. D. Stenhouse. 1,735,551; Nov. 12.
 Glass. Drawing continuous sheet. J. C. Henderson. 1,735,573; Nov. 12.
 Glass-forming apparatus. Sheet. J. C. Blair. 1,735,595; Nov. 12.

Glass-grinding machines. Abrasive-feeding system for. J. P. Crowley. 1,735,600; Nov. 12.
 Glass-surfacing apparatus. Sheet. J. L. Drake. 1,735,565; Nov. 12.
 Glassware. Method and apparatus for forming. E. Danner. 1,734,965; Nov. 12.
 Glassware. Method and apparatus for manufacturing continuous. E. Danner. 1,734,964; Nov. 12.
 Glassware. Method of and apparatus for annealing. V. Mulholland. 1,735,353; Nov. 12.
 Globe. Lighting-fixture. D. W. Silvers. Des. 79,913; Nov. 12.
 Glory-hole furnace. M. E. McSwain. 1,735,775; Nov. 12.
 Glove. B. Elsey. 1,735,676; Nov. 12.
 Glove-turning machine. W. R. Lowry. 1,735,688; Nov. 12.
 Governor. Compressor. N. A. Christensen. 1,735,197; Nov. 12.
 Grader. P. A. Robbins. 1,735,796; Nov. 12.
 Gramophone. H. W. S. Hoy. 1,735,283; Nov. 12.
 Gramophone drive. R. Stehle. 1,735,004; Nov. 12.
 Gravel spreader. E. L. Pardue. 1,735,297; Nov. 12.
 Gravel washer. F. R. Dravo. 1,735,738; Nov. 12.
 Grinder. Track. C. W. Pitman. 1,735,693; Nov. 12.
 Grinding apparatus. Piston-ring. G. W. Olson. 1,735,333; Nov. 12.
 Gun-wad material. J. J. Densten. 1,735,639; Nov. 12.
 Guns. Recoil mount for. S. G. Green. 1,735,164; Nov. 12.
 Gutter hanger. S. and M. Stecker. 1,735,622; Nov. 12.
 Gyroscopic apparatus for extending the period of oscillation of bodies. M. Schuler. 1,735,058; Nov. 12.
 Hair curler. W. S. Lewis. 1,735,254-5; Nov. 12.
 Hairpin clip. H. G. Oliver. 1,735,010; Nov. 12.
 Hammock litter. S. Strauss and S. Gerschütz. 1,735,552; Nov. 12.
 Hand bag. M. Nover. 1,735,650; Nov. 12.
 Handhole plate. A. J. Moses and F. H. Wright. 1,735,126; Nov. 12.
 Handle. E. L. Delany. 1,735,604; Nov. 12.
 Handle and switch. E. W. Wiehle. 1,735,556; Nov. 12.
 Hanger: See—
 Awning hanger. Gutter hanger.
 Harmonica. A. E. Hostetter. 1,735,645; Nov. 12.
 Harvester. Corn. C. J. Johnson. 1,734,972; Nov. 12.
 Hat. E. Witteoff. 1,735,705; Nov. 12.
 Hats and the product thereof. Making. C. Lipper. 1,735,467; Nov. 12.
 Headlight. Automobile. W. L. Pollard. 1,735,090; Nov. 12.
 Headlight for automobiles. Dirigible. G. S. Keck. 1,735,437; Nov. 12.
 Headlight for motor cars. Antiglare. J. A. Borel. 1,735,725; Nov. 12.
 Heat to the mixture delivered to internal-combustion engines. Supplying. R. Bannister. 1,735,720; Nov. 12.
 Heater: See—
 Air heater. Water heater.
 Incubator heater.
 Heater and making the same. Electric. E. N. Lightfoot. 1,735,831; Nov. 12.
 Heater and sterilizer. K. K. Sikes. 1,735,093; Nov. 12.
 Heating apparatus. E. C. Kline. 1,735,438; Nov. 12.
 Heating apparatus. Water. J. A. Thatcher. 1,735,554; Nov. 12.
 Heating furnace. W. H. Fitch. 1,735,605-8; Nov. 12.
 Heating, humidifying, and ventilating apparatus. C. A. Moore. 1,735,685; Nov. 12.
 Heating liquids in tanks. Apparatus for. J. Kodelub. 1,735,169; Nov. 12.
 Heel. Composite rubber. G. H. Willis. 1,735,369; Nov. 12.
 Helmet. F. Dumin. 1,735,265; Nov. 12.
 Heterodyne receiver arrangement. Beat-frequency. W. Kunze. 1,735,171; Nov. 12.
 Hinge. H. H. Raymond. Des. 79,910; Nov. 12.
 Hinge. Concealed. A. Ridley. 1,735,696; Nov. 12.
 Hinge. Oven-door. W. D. Antrim. 1,735,717; Nov. 12.
 Holder. Adjustable lamp. F. H. Owens. 1,735,334; Nov. 12.
 Holder and punch. Check. O. F. Forslund. 1,735,241; Nov. 12.
 Holder for creameries. Test-bottle. C. Moe. 1,735,051; Nov. 12.
 Holder. Necktie. B. Budal. 1,735,450; Nov. 12.
 Holder. Pocketbook. L. P. Boucher. 1,735,374; Nov. 12.
 Holder. Safety iron. R. Penner. 1,735,088; Nov. 12.
 Holder. Strop. M. S. Bentley. 1,735,723; Nov. 12.
 Holder. Tire-display. W. I. Block. 1,735,372; Nov. 12.
 Holder. Toothbrush. H. M. Siegel. 1,735,612; Nov. 12.
 Holder. Tube. F. E. Tanner. 1,735,144; Nov. 12.
 Hook: See—
 Master handling hook.
 Horn and method of and apparatus for making the same. Acoustic. J. M. Stone. 1,735,476; Nov. 12.
 Horn. Electric. R. M. Critchfield. 1,735,235; Nov. 12.
 Hose coupling. Flexible. R. W. Lindsay. 1,735,326; Nov. 12.
 Huller: See—
 Seed huller.
 Hydrocarbon burner. M. H. Braden. 1,735,629; Nov. 12.
 Ice carrier. W. C. Wight. 1,735,098; Nov. 12.
 Ignition tester gauge. G. Zitzmann. 1,735,598; Nov. 12.
 Incubator heater. W. D. Harvey. 1,735,246; Nov. 12.
 Index and file. Card. M. McDonald. 1,735,581; Nov. 12.

Index tab. G. W. Schaefer. 1,735,214; Nov. 12.
 Indicator: See—
 Station indicator.
 Indicator. H. C. Band. 1,735,489; Nov. 12.
 Indicator. S. L. Davis. 1,735,735; Nov. 12.
 Inductance device. O. Sturmer. 1,735,141; Nov. 12.
 Insulated cover for electric-lamp sockets. P. A. Rossi. 1,735,656; Nov. 12.
 Insulator for withstanding fog conditions. A. O. Austin. 1,735,560; Nov. 12.
 Insulators. Controlling surface resistance of. A. O. Austin. 1,735,829; Nov. 12.
 Insulators. Fitting for. A. O. Austin. 1,735,561; Nov. 12.
 Interlocking joint. W. F. Hoffer. 1,735,574; Nov. 12.
 Internal-combustion engine. N. M. Johnson. 1,735,764; Nov. 12.
 Internal-combustion engine. V. H. Palm. 1,735,543; Nov. 12.
 Iron of small grain size. Pure. W. Meiser, W. Schubardt, and O. Kramer. 1,735,405; Nov. 12.
 Ironing-board table. E. B. Hance. 1,735,078; Nov. 12.
 Jack. A. L. Johnson. 1,735,839; Nov. 12.
 Joint: See—
 Expansion joint. Rail joint.
 Interlocking joint. Swivel joint.
 Joints. Bridging for. W. E. White. 1,735,590-1; Nov. 12.
 Journal-box assembly. Railway. J. J. Melley and J. W. Chapman. 1,735,258; Nov. 12.
 Keyboard. Practice. G. Jones. 1,735,577; Nov. 12.
 Keyway milling device. Internal. W. von Neudeck. 1,735,841; Nov. 12.
 Kite. C. A. Albrecht. 1,735,309; Nov. 12.
 Knife. Diathermy. S. H. Groff. 1,735,271; Nov. 12.
 Knife door for grinding or masticating bogs. Yielding anvil. C. A. Huffman. 1,735,824; Nov. 12.
 Knife. Paring. T. Bell. 1,735,312; Nov. 12.
 Lace machine. Twist. F. Noyer and P. Pillard. 1,735,651; Nov. 12.
 Ladder construction. Truss. R. S. Bolger. 1,735,418; Nov. 12.
 Lamp-adjusting apparatus. G. H. Coulter. 1,735,451; Nov. 12.
 Lamp. Portable electric. R. H. Olley. 1,735,295; Nov. 12.
 Lamp. Portable electric hand. P. E. Puckett. 1,735,545; Nov. 12.
 Lamp. Signal. A. H. Handlan. 1,735,572; Nov. 12.
 Lamp. Therapeutic. N. E. Goodrich. 1,735,679; Nov. 12.
 Landscape. N. Spels. 1,735,801; Nov. 12.
 Leather-tempering box. P. V. Clack. 1,735,525; Nov. 12.
 Lenard ray tube. C. M. Slack. 1,735,302; Nov. 12.
 Lens. H. M. Nelson. 1,735,208-9; Nov. 12.
 Lens. Multifocal. H. W. Hill. 1,735,758; Nov. 12.
 Level and square. Combined. B. Rudolf. 1,735,413; Nov. 12.
 Lifter: See—
 Pan lifter.
 Light: See—
 Signal light.
 Lighting device. J. S. Barlow. 1,735,103; Nov. 12.
 Lighting device. J. L. Smith. 1,735,018; Nov. 12.
 Lighting device. Electric gas. J. W. Mayo. 1,735,834; Nov. 12.
 Lighting fixture. Electrical. E. C. White. 1,735,068; Nov. 12.
 Lighting means. G. H. Hamilton. Rel. 7,485; Nov. 12.
 Lighting unit. O. Werner. 1,735,149; Nov. 12.
 Lifter for centrifugal pumps. G. R. Harris. 1,735,754; Nov. 12.
 Link. Suspender-end top. L. W. Shields. Des. 79,912; Nov. 12.
 Link. Suspender-end top. H. C. Vaisey. Des. 79,914; Nov. 12.
 Liquid-handling means. E. W. Davis. 1,735,733; Nov. 12.
 Loading tank cars and the like. H. C. Wiess. 1,735,464; Nov. 12.
 Lock. S. M. Bulmeni. 1,735,035; Nov. 12.
 Lock for baby-carriage backs. E. Specter. 1,735,063; Nov. 12.
 Locking and throw-out device. Gear-shift. T. Monday. 1,735,542; Nov. 12.
 Locking device. Spare rim and tire. F. T. Root. 1,735,338; Nov. 12.
 Locomotive. J. G. Blunt. 1,735,492; Nov. 12.
 Locomotives. Connecting rod for. J. G. Blunt. 1,735,491; Nov. 12.
 Locomotives. Operating. E. S. Pearce, R. W. Batterer, and E. C. Karibo. 1,735,087; Nov. 12.
 Looms. Automatic stopping system of power. J. Tonoue. 1,735,814; Nov. 12.
 Loud-speaker. A. Delph. 1,735,528; Nov. 12.
 Lubricant. J. C. Williams. 1,735,368; Nov. 12.
 Lubricating apparatus. E. W. Davis and L. H. Wheeler. 1,735,734; Nov. 12.
 Lubricating system for motor vehicles. A. C. Menges. 1,735,175; Nov. 12.
 Lubricator. L. C. Dutro. 1,735,286; Nov. 12.
 Lug. Traction-wheel. H. E. Altgelt. 1,735,715; Nov. 12.
 Machine for making egg-case flats. S. Smith. 1,735,340; Nov. 12.
 Machine for processing fibrous-filling materials. M. Goldberg. 1,735,749; Nov. 12.
 Machine for securing together two or more pieces of sheet material. B. F. Mayo. 1,735,350; Nov. 12.
 Mail box. A. A. Content. 1,735,379; Nov. 12.

Mail catcher, Aerial. R. Fisher. 1,735,385; Nov. 12.
 Marker for golf balls and the like, Location. A. C. Davidson. 1,735,736; Nov. 12.
 Master control. C. J. Victoreen. 1,735,363; Nov. 12.
 Master heading book, Draw-over. D. M. Sarkisian. 1,735,016; Nov. 12.
 Mat chair. W. E. White. 1,735,592; Nov. 12.
 Material-handling apparatus. H. B. Walker. 1,735,365; Nov. 12.
 Measuring apparatus, Distance. G. Walker. 1,735,623; Nov. 12.
 Measuring device. J. K. Carter. 1,735,729; Nov. 12.
 Measuring device. C. J. Hug. 1,735,249; Nov. 12.
 Measuring device, Liquid. L. R. Titcomb. 1,735,023; Nov. 12.
 Medicaments to the lips, Apparatus for applying. O. Temple. 1,735,221; Nov. 12.
 Metallic connections, Making. M. W. Tebyrica. 1,735,809; Nov. 12.
 Mill: See—
 Rolling mill.
 Mining coal, Apparatus for. E. C. Morgan. 1,735,583; Nov. 12.
 Mixer: See—
 Drink mixer.
 Mold: See—
 Foundry mold.
 Mold coating. H. S. Lee. 1,735,120; Nov. 12.
 Molding and article produced from plastic material in imitation of onyx, agate, marble, and the like. H. N. Copeland. 1,735,674; Nov. 12.
 Molding synthetic resins. F. H. Bengel and R. R. Titus. 1,735,068; Nov. 12.
 Mop and wringer combined. H. Hertzberg. 1,735,281; Nov. 12.
 Mop construction. J. H. Postel. 1,735,358; Nov. 12.
 Mop, Universal. H. Hertzberg. 1,735,278; Nov. 12.
 Mop, Wet. H. Hertzberg. 1,735,279; Nov. 12.
 Mop with wringer attachment. H. Hertzberg. 1,735,280; Nov. 12.
 Motor: See—
 Air motor. Fluid-pressure motor.
 Motor commutators, Short-circuiting device for. E. P. Larsh. 1,735,579; Nov. 12.
 Motors, Stator for alternating-current. C. F. Thompson. 1,735,222; Nov. 12.
 Mounting, Bolster. F. W. Lewis. 1,735,830; Nov. 12.
 Mounting for automobiles, Shift-lever. O. E. Fishburn. 1,735,677; Nov. 12.
 Mower guard. C. L. Kucha. 1,735,322; Nov. 12.
 Mower, Lawn. E. A. Eustice. 1,735,567; Nov. 12.
 Mucilage dispenser and spreader. W. W. S. Carpenter. 1,735,073; Nov. 12.
 Mummer. H. S. Powell. 1,735,789; Nov. 12.
 Musical instrument. W. J. Krebs. 1,734,973; Nov. 12.
 Necktie. J. E. Langsdorf. 1,735,172; Nov. 12.
 Needle-making machine. A. Hofmann and O. Kanis. 1,735,759; Nov. 12.
 Nest, Trap. J. O. Palmquist. 1,735,442; Nov. 12.
 Networks, Phase-compensating. H. Nyquist. 1,735,052; Nov. 12.
 Neutralizer bar. W. H. Chapman. 1,735,494; Nov. 12.
 Nipple, Drive-fit. H. H. Brand. 1,735,230; Nov. 12.
 Nipple, Safety. M. Blumenfeld. 1,735,670; Nov. 12.
 Nozzle, Oil-burner. H. Barley. 1,735,490; Nov. 12.
 Oil burner. F. Hardinge. 1,735,245; Nov. 12.
 Oil burner, Crude. K. R. Schreier. 1,735,658; Nov. 12.
 Oil-burning apparatus. W. G. Johnston. 1,735,463; Nov. 12.
 Oil can. N. G. Olson. 1,735,784; Nov. 12.
 Oil, Flooding method for recovering. L. C. Uren. 1,735,481; Nov. 12.
 Oil, Reclaiming lubricating. W. C. Rath. 1,735,546; Nov. 12.
 Oil sands, Repressuring. J. O. Lewis. 1,735,646; Nov. 12.
 Oils, Blending. T. Cox, M. L. Requa, and A. S. Knowles. 1,735,421; Nov. 12.
 Oils, Reclaiming lubricating. O. J. Nelson. 1,735,440; Nov. 12.
 Optical adjusting device. H. N. Cox. 1,735,108; Nov. 12.
 Optical unit, Reflecting. C. Le R. Treleven. 1,735,815; Nov. 12.
 Organic compounds, Catalytic oxidation of. A. O. Jaeger. 1,735,763; Nov. 12.
 Ornament, Artificial-flower clothes. L. H. Hashimoto. Des. 79,884; Nov. 12.
 Ornamental box. W. Welsenberg. 1,735,191; Nov. 12.
 Ornamental structure. O. W. Arvidson. 1,734,954; Nov. 12.
 Oscillation generator, High-frequency. A. H. Taylor. 1,735,808; Nov. 12.
 Outlet box. C. A. Johnson. 1,734,971; Nov. 12.
 Outlet box. J. J. Merrill. 1,735,331; Nov. 12.
 Package, Tin-plate. H. D. Scott. 1,735,548; Nov. 12.
 Packing. J. Le May. 1,735,466; Nov. 12.
 Packing fruit. Apparatus for. J. F. Weatherly. 1,735,624; Nov. 12.
 Packing, Piston. S. A. Bowman. 1,735,596; Nov. 12.
 Pad. J. C. Brown. 1,734,961; Nov. 12.
 Page-turning device. F. Hossell and W. H. Peterman. 1,735,166; Nov. 12.
 Pan lifter. M. Haisted. 1,735,500; Nov. 12.
 Peanut-branding machine. A. Obich. 1,735,471; Nov. 12.
 Pen and ink stand. N. R. Waters. 1,735,446; Nov. 12.

Pen assembling, Fountain. J. C. Wahl. 1,735,224; Nov. 12.
 Pen, Fountain. G. W. Elmwall. 1,735,566; Nov. 12.
 Pens, Assembling nibs and feed members for fountain. C. J. Funk. 1,735,199; Nov. 12.
 Pencil and letter opener, Combination. E. K. Madan. Des. 79,889; Nov. 12.
 Petroleum oil, Apparatus for clarifying and decolorizing. J. C. Black. 1,734,959; Nov. 12.
 Phonograph recorder and reproducer, Combined electric. A. N. Goldsmith. 1,735,113; Nov. 12.
 Photograph-album page. R. B. Buzzard. 1,735,524; Nov. 12.
 Photographs, Process of and apparatus for making aerial. L. T. Eliel. 1,735,109; Nov. 12.
 Pickling apparatus. S. L. Williams. 1,734,986; Nov. 12.
 Picture apparatus, Motion. A. M. Mayle. 1,735,468; Nov. 12.
 Picture apparatus, Talking. F. H. Owens. 1,735,335; Nov. 12.
 Picture projector, Motion. J. G. Capstaff. 1,735,155; Nov. 12.
 Picture screen, Motion. P. Favour. 1,735,162; Nov. 12.
 Pipe connection for vessels. M. W. Elmendorf. 1,734,966; Nov. 12.
 Pipe coupling, Automatic train. J. Robinson. 1,735,130; Nov. 12.
 Pipe-wrapping machine. P. D. Shoenberger. 1,735,136; Nov. 12.
 Piston ring. O. Wallden. 1,735,366; Nov. 12.
 Piston-ring construction. M. M. Moratta. 1,735,291; Nov. 12.
 Piston-ring expander. M. E. Sipe. 1,735,587; Nov. 12.
 Planing machine, Crank. A. Trosch. 1,735,188; Nov. 12.
 Planter. H. E. Altgelt. 1,735,714; Nov. 12.
 Plaster-channel installation for screen guides. H. Dixon. 1,735,496; Nov. 12.
 Plastic strips, Spreader feed for. P. M. O'Neill and A. J. Simeone. 1,735,472; Nov. 12.
 Plate or article of similar nature. T. C. Helsey. Des. 79,885; Nov. 12.
 Playing chords on stringed instruments, Apparatus for. E. Taubert. 1,735,145; Nov. 12.
 Plowline clamp. W. J. Peterson. 1,735,787; Nov. 12.
 Plug for electric heating devices, Attachment. R. H. Cunningham. 1,735,731; Nov. 12.
 Plunger. E. W. F. Herrmann. 1,735,757; Nov. 12.
 Pocketbook and bag, Hand. S. R. Goldsmith. 1,735,043; Nov. 12.
 Pole-protecting device. R. Beard. 1,735,722; Nov. 12.
 Power-driven bin-gate-actuating device. A. J. Boynton. 1,735,106; Nov. 12.
 Power lift for tractors. E. H. Daniel. 1,735,422; Nov. 12.
 Power reverse mechanism for locomotives. W. S. Brown. 1,735,727; Nov. 12.
 Press: See—
 Axle press. Printing press.
 Clinching press. Tobacco press.
 Pressure gauge. J. W. Motherwell. 1,734,977; Nov. 12.
 Printing machine, Number-plate. J. F. Kleij. 1,735,252; Nov. 12.
 Printing press, Multicolor flat-bed web. P. F. Cox. 1,735,730; Nov. 12.
 Projector table. W. Henk. 1,735,276; Nov. 12.
 Prop. Clothesline. J. P. Guichen. 1,735,200; Nov. 12.
 Propeller guard. W. J. Danckwart. 1,735,676; Nov. 12.
 Propeller mounting. R. T. Svendsen and D. G. Chandler. 1,735,060; Nov. 12.
 Propelling coaster wagons and other vehicles. C. J. Ashby. 1,735,665; Nov. 12.
 Protecting metal culverts. A. S. Cushman. 1,735,732; Nov. 12.
 Protecting petroleum tanks and tank farms against lightning and electrical sparks, System for. W. Dodd. 1,735,530; Nov. 12.
 Pull for a slide fastener. B. H. Nicholson. Des. 79,900-6; Nov. 12.
 Puller: See—
 Boiler-tube puller.
 Pulverizing and drying solids, Process and apparatus for. S. Hiller. 1,735,396; Nov. 12.
 Pump, High-pressure. P. M. Rudesyle. 1,735,299; Nov. 12.
 Pump, Vibration-operated. C. H. Braselton and F. B. MacLaren. 1,735,449; Nov. 12.
 Pumping apparatus. E. A. Watts. 1,735,025; Nov. 12.
 Pumping mechanism. E. A. Gallison. 1,735,110; Nov. 12.
 Punching attachment for presses. W. H. Nickerson. 1,735,780; Nov. 12.
 Purse, Key. H. C. Schroeder. 1,735,300; Nov. 12.
 Pyrometer-reading switch, Selective. E. Williams. 1,735,485; Nov. 12.
 Quinone derivatives, Manufacture of. F. Günther. 1,735,432; Nov. 12.
 Rack: See—
 Floral rack. Supporting rack.
 Rack. N. M. Elbon. 1,735,740; Nov. 12.
 Rack. H. S. Taylor. 1,735,220; Nov. 12.
 Radiator. T. A. Baldwin. 1,734,956; Nov. 12.
 Radiator connection for transformer tanks. L. G. McClinton. 1,735,289; Nov. 12.
 Radiator inclosure. S. Kaufman. 1,735,436; Nov. 12.
 Radiator reinforcement. A. L. Swank. 1,735,807; Nov. 12.
 Radio apparatus, Energizing. C. Bol and C. H. Morel. 1,735,152; Nov. 12.

Radiocabinet. E. L. Combs. Des. 79,878; Nov. 12.
 Radio communication system, Duplex. E. L. White. 1,735,844; Nov. 12.
 Radio condenser. J. J. Aurynger. 1,735,416; Nov. 12.
 Radio receiver. W. Schaffer. 1,735,185; Nov. 12.
 Radio signaling system. R. S. Ohl. 1,735,053; Nov. 12.
 Radiosignals, Method and system for constant-frequency beat reception of. F. Schröter. 1,735,134; Nov. 12.
 Rail. A. Zrazik. 1,735,227; Nov. 12.
 Rail clamp for shaping machines. W. F. Zimmermann. 1,735,870; Nov. 12.
 Rail joint. E. W. Caruthers. 1,735,347; Nov. 12.
 Rail joint. J. B. Ruettimann. 1,735,586; Nov. 12.
 Rail-aplice bar and rail joint. E. W. Caruthers. 1,735,848; Nov. 12.
 Railway crossing. J. F. Rasor. 1,735,337; Nov. 12.
 Railway crossing. J. F. Zimmermann. 1,735,626; Nov. 12.
 Railway guide. O. R. Lugnbuhl. Rel. 7,486; Nov. 12.
 Railways or tramways, Fishplate for. S. S. Wrightson and C. R. Matthews. 1,735,194; Nov. 12.
 Range. Gas. H. Moecker, Jr., and T. Thompson. 1,735,779; Nov. 12.
 Range with gridiron for children, Kitchen. C. Albert. 1,735,957; Nov. 12.
 Razor, Safety. T. C. Green. 1,735,751; Nov. 12.
 Razor, Safety. J. Habib. 1,735,888; Nov. 12.
 Razor, Safety. S. Speirs. 1,735,140; Nov. 12.
 Receptacle, Heat-insulated. C. W. Davis and F. F. Becker. Des. 79,915; Nov. 12.
 Receptacle, Shipping. R. G. Hubbard. 1,735,284; Nov. 12.
 Receptacles, Attachment for serving. P. W. Curtis. 1,735,603; Nov. 12.
 Receptacles, Device for making. A. P. Barro. 1,735,721; Nov. 12.
 Rectifying process. M. P. Youker. 1,735,558; Nov. 12.
 Reel: See—
 Fishing reel.
 Reflecting surface. M. W. Caughlan. 1,735,377; Nov. 12.
 Reflector-attaching device. L. L. Raymond. 1,735,181; Nov. 12.
 Refrigerated package and method. J. W. Martin, Jr. 1,735,082; Nov. 12.
 Refrigerated package with permeable insulation and method. J. W. Martin, Jr. 1,735,832; Nov. 12.
 Refrigerating apparatus. H. W. Dyer. 1,735,454; Nov. 12.
 Refrigerating apparatus. J. M. Etienne. 1,735,498; Nov. 12.
 Refrigeration. J. G. Bergdoll. 1,735,724; Nov. 12.
 Refrigerator, Household. H. W. Dyer. 1,735,453; Nov. 12.
 Regenerative furnace. F. E. Kling. 1,735,687; Nov. 12.
 Register: See—
 Cash register.
 Regulation of reflex in fractionating towers, Automatic. H. M. Noel. 1,735,470; Nov. 12.
 Regulator: See—
 Drill-shoe regulator.
 Relay, Quick-responding leakage. W. Gaarz and J. Sorge. 1,735,002; Nov. 12.
 Relay, Thermal. H. E. White. 1,735,225; Nov. 12.
 Retaining device. H. Schlaich. 1,735,132; Nov. 12.
 Ring: See—
 Piston ring.
 Roadbed. W. M. Osborn. 1,735,296; Nov. 12.
 Roll-forming machine, Slip. P. R. Hahnmann. 1,735,243; Nov. 12.
 Rolling mill. H. R. Geer. 1,735,746; Nov. 12.
 Rubber compositions and products obtained, Manufacture of. J. H. Reel and H. E. Cude. 1,735,547; Nov. 12.
 Rustproofing process. W. H. Allen. Rel. 7,484; Nov. 12.
 Safety device for automobiles. A. Finn. 1,735,743; Nov. 12.
 Safety device for hot-water boilers. A. G. Spinney and C. A. Twigg. 1,735,415; Nov. 12.
 Safety device for ripaws. A. J. Ennen. 1,735,240; Nov. 12.
 Safety guard device. W. J. Stebler. 1,735,659; Nov. 12.
 Sanding device. W. J. Cross. 1,735,039; Nov. 12.
 Sash, Foldable window. W. Neubecker. 1,735,649; Nov. 12.
 Saw table. W. P. McIlvanie. 1,735,773; Nov. 12.
 Saxophone. A. J. Johnson. 1,735,576; Nov. 12.
 Saxophone. E. V. Powell. 1,735,411; Nov. 12.
 Scale. F. B. Hamblin. 1,735,571; Nov. 12.
 Scraper, Floor. A. W. Abrahamsen and A. Skarsten. 1,735,710; Nov. 12.
 Screen: See—
 Picture screen. Window screen.
 Screen. W. S. Weston. 1,735,067; Nov. 12.
 Screen slide. R. H. Natzke. 1,735,207; Nov. 12.
 Screw-slitting mechanism. L. K. Braren. 1,735,231; Nov. 12.
 Screw-threaded cap for covering glass jars and other containers and making same. S. N. Tevauder. 1,735,445; Nov. 12.
 Sealing floating roofs. C. H. Haupt. 1,735,461; Nov. 12.
 Searchlight, Drumless. P. R. Bassett. 1,735,667; Nov. 12.
 Seat: See—
 Car seat. Vehicle seat.
 Chair seat.
 Securing device. E. Marliere. 1,735,770; Nov. 12.
 Seed huller. R. Stanley. 1,735,550; Nov. 12.

Seeding machine. T. Brennan. 1,735,232; Nov. 12.
 Separator: See—
 Air separator.
 Separator, Continuously-operating centrifugal sludge. A. Nyrop. 1,735,692; Nov. 12.
 Sewing machine. P. W. Pittman. 1,735,178; Nov. 12.
 Sewing machine, Blindstitch. F. M. Prestwich. 1,735,584; Nov. 12.
 Sewing machines, Looper-operating mechanism for. J. Berger. 1,735,628; Nov. 12.
 Shackle, Pitch. R. H. Anderson. 1,735,716; Nov. 12.
 Shaft coupling, Flexible. R. W. Wilson. 1,734,988; Nov. 12.
 Shank stiffeners, Forming. W. H. Nickerson. 1,735,781; Nov. 12.
 Sharpener, Pencil. H. Cohen. 1,735,638; Nov. 12.
 Shield for cookstoves. J. F. Struble. 1,735,806; Nov. 12.
 Shoe and welting therefor, Welt. L. H. Gileon. 1,735,457; Nov. 12.
 Shoe last for the correction of certain ailments of the human foot. J. A. Creelman. 1,735,598; Nov. 12.
 Short-circuiting device. E. J. Haverstick. 1,735,114; Nov. 12.
 Show case, Refrigerator. M. Greenburg. 1,735,642; Nov. 12.
 Shredding and feeding mechanism, Cane. W. G. Hall. 1,735,389; Nov. 12.
 Shuttle, L. Pavla. 1,735,544; Nov. 12.
 Sign, Advertising. C. H. Frederick. 1,735,040; Nov. 12.
 Sign, Changeable. H. Fortkamp. 1,735,386; Nov. 12.
 Sign, Interchangeable card. H. E. Pease. 1,735,836; Nov. 12.
 Sign, Road. J. W. Smith. 1,735,444; Nov. 12.
 Signal: See—
 Crossing signal. Warning signal.
 Traffic signal.
 Signal. G. Zint. 1,736,709; Nov. 12.
 Signal device. I. Caplan. 1,735,562; Nov. 12.
 Signal light, Marine. L. T. Scott. 1,735,797; Nov. 12.
 Signalling device. J. L. MacCarthy. 1,735,403; Nov. 12.
 Signalling system, Selective. S. J. Turrett. 1,735,189; Nov. 12.
 Skis, Toe piece for. C. A. Proctor. 1,735,359; Nov. 12.
 Slicing machine. E. Ulbrecht. 1,735,818; Nov. 12.
 Slipper. M. A. Hohenstein. 1,735,434; Nov. 12.
 Smoker's stand. J. Cook. Des. 79,880; Nov. 12.
 Smoking stand. C. A. Bunker. 1,735,671; Nov. 12.
 Socket and reflector. L. L. Raymond. 1,735,180; Nov. 12.
 Socket, Pull-chain lamp. W. C. Tregoning. 1,735,305; Nov. 12.
 Socket, Water-cooled tube. A. M. Trogner and C. F. Rudolph. 1,735,816; Nov. 12.
 Soldering machine, Conveyor. N. F. Paradise. 1,735,336; Nov. 12.
 Solids from clarification tanks, etc., Mechanical removal of. W. Gavett. 1,734,967; Nov. 12.
 Sound amplifier. O. R. Platter. 1,735,054; Nov. 12.
 Sound diaphragm. M. Bernard. 1,735,417; Nov. 12.
 Sound projector. W. E. Clifton. 1,735,378; Nov. 12.
 Sound system. H. H. Thompson. 1,735,095; Nov. 12.
 Spacing device. H. G. Oliver. 1,735,127; Nov. 12.
 Spark discharges, Method and apparatus for producing. R. Dufour. 1,735,161; Nov. 12.
 Spectacles, Bifocal. V. A. Stewart. 1,735,021; Nov. 12.
 Speed-changing device. P. J. Kilcullen. 1,735,203; Nov. 12.
 Speed control for motors, Variable-voltage system of. C. P. Walker. 1,735,384; Nov. 12.
 Speed transformer. G. Krell and G. M. Martinet. 1,735,768; Nov. 12.
 Spinning machines, Electric stop motion for. G. M. Arzag. 1,735,102; Nov. 12.
 Split switch. R. E. Einstein and B. B. Betts. 1,735,075; Nov. 12.
 Spray device, Intermittent. I. W. P. Buchanan. 1,735,728; Nov. 12.
 Spring. J. F. Bernhardt. 1,735,371; Nov. 12.
 Spring tie. W. E. Nattress and C. D. Stout. 1,735,354; Nov. 12.
 Squeegee applicator. E. F. Maas. 1,735,689; Nov. 12.
 Stabilizer. A. W. F. Manzel. 1,735,769; Nov. 12.
 Stabilizer. N. C. Ward. 1,735,820; Nov. 12.
 Stand: See—
 Display stand. Smoking stand.
 Pen and ink stand.
 Stand. A. Marchev. 1,735,505; Nov. 12.
 Stapling device. J. G. Bates. 1,735,195; Nov. 12.
 Starter for engines. F. Jerdone, Jr. 1,735,250; Nov. 12.
 Starter for internal-combustion engines, Electric. K. L. Aspden. 1,734,955; Nov. 12.
 Station indicator. G. Puska. 1,735,791; Nov. 12.
 Steam boiler. H. B. Smith. 1,734,983; Nov. 12.
 Steam boiler. W. H. Winslow. 1,735,845; Nov. 12.
 Steel, Making. F. W. Davis. 1,735,074; Nov. 12.
 Steel structures, Form spacer for concrete fireproofing for. W. A. Ferris. 1,735,198; Nov. 12.
 Steering-wheel knob. P. R. Oliver. 1,735,783; Nov. 12.
 Stencil. R. Z. Hopkins and E. F. Seger. 1,735,004; Nov. 12.
 Stereoscopic Böntgen-ray fluoroscopy, Device for. F. Bornhardt. 1,735,726; Nov. 12.
 Stocking. L. H. Mendelsohn. Des. 79,892; Nov. 12.
 Stove or range, Gas. H. W. O'Dowd. 1,735,654; Nov. 12.
 Stove structure. W. Blaskewitz, C. B. Overly, C. F. Lambert, and J. Ironside. 1,735,151; Nov. 12.

Strap for hand bags, Finger and back. S. Pitkin. 1,735,935; Nov. 12.
 Strip-feeding machine. E. E. Leonard. 1,735,288; Nov. 12.
 Stuffing box. E. Wilson. 1,735,193; Nov. 12.
 Sucker-impaling machine. W. H. Sergeant. 1,735,621; Nov. 12.
 Suction-actuated devices in connection with the suction passage of an internal-combustion engine, Apparatus for operating. C. S. Bragg and V. W. Klesrath. 1,735,631-3; Nov. 12.
 Suction-actuated devices in connection with the suction passage of an internal-combustion engine, Apparatus for operating. C. S. Bragg and V. W. Klesrath. 1,735,635; Nov. 12.
 Suction-actuated devices in connection with the suction passage of an internal-combustion engine, Method of and apparatus for operating. C. S. Bragg and V. W. Klesrath. 1,735,630; Nov. 12.
 Sulphite pulp, Production of. G. A. Richter. 1,735,014; Nov. 12.
 Sulphur from roaster gases, Recovery of. R. F. Bacon. 1,734,991; Nov. 12.
 Support, Casement-window. V. J. Whitney. 1,735,367; Nov. 12.
 Support, Conductor. W. Schaake. 1,735,131; Nov. 12.
 Support, Fence-guard. G. E. Armstrong. 1,735,664; Nov. 12.
 Support, Flash-light. E. E. Pawsat. 1,735,212; Nov. 12.
 Support for ladders, Foot. W. C. Heidel. 1,735,003; Nov. 12.
 Support for pipes, rods, and the like. A. D. Williams, F. B. Gillett, and R. P. Clark. 1,735,192; Nov. 12.
 Support for thermionic tubes. A. Schmidt. 1,735,133; Nov. 12.
 Support, Weather-strip. G. Lasker. 1,735,048; Nov. 12.
 Supporting concrete steel reinforcing bars, Device for. C. E. Bowers. 1,734,994; Nov. 12.
 Supporting rack, Trough. N. M. Elbon. 1,735,739; Nov. 12.
 Switch: See—
 Automatic switch. Split switch.
 Electric switch. Time switch.
 Pyrometer-reading switch.
 Switch. C. F. Gilchrist. 1,735,112; Nov. 12.
 Switch for annunciator systems, Selector. A. Sanchez. 1,735,184; Nov. 12.
 Switch-operating device, Electromagnetic railroad. A. C. J. Guinée. 1,735,753; Nov. 12.
 Swivel joint. H. E. Cohen. 1,735,637; Nov. 12.
 Syrups, Preparing fruit. L. Kunz. 1,735,118; Nov. 12.
 Table: See—
 Adjustment table. Ironing-board table.
 Chiropractic table. Projector table.
 Drill-press table. Saw table.
 Table. H. H. Feldman. 1,735,535; Nov. 12.
 Table for masticating hogs, Yielding anvil-knife. C. A. Huffman. 1,735,823; Nov. 12.
 Tags and like articles and mechanism therefor, Feeding. G. W. Henry, Jr. 1,735,643; Nov. 12.
 Tail gate for dump trucks, Double-acting. C. L. Nein. 1,735,408; Nov. 12.
 Talking machines, Repeating mechanism for. S. B. Battey. 1,735,311; Nov. 12.
 Teeth and facings, Lining with foil anchorage openings in artificial. L. H. Sprinkle. 1,735,218; Nov. 12.
 Telegraph alarm system, Carrier. F. G. Gardner. 1,735,041; Nov. 12.
 Telephone attachment. A. E. Lipp. 1,735,008; Nov. 12.
 Telephone-receiving system, Wireless. P. W. Williams. 1,735,150; Nov. 12.
 Telephone system, Automatic. E. Jacobsen. 1,735,575; Nov. 12.
 Telephone system, Automatic. C. E. Lomax. 1,735,328; Nov. 12.
 Television apparatus. S. T. Syphit. 1,735,553; Nov. 12.
 Tempering water for concrete mixers and for cooling the motor therefor. J. C. Merwin. 1,735,615; Nov. 12.
 Tension device for web rolls. J. J. Halliwell. 1,735,570; Nov. 12.
 Tension-release mechanism, Multiple-thread. R. Becker. 1,735,071; Nov. 12.
 Tent. G. H. Dial. 1,735,737; Nov. 12.
 Terminal for heating unit. W. R. King. 1,735,168; Nov. 12.
 Testing eyes, Apparatus for. E. B. Kirk. 1,735,005; Nov. 12.
 Textile fabric. G. H. Perkins. Des. 79,907-9; Nov. 12.
 Theatrical appliance. W. E. Morrison. 1,735,352; Nov. 12.
 Thermostat. A. E. Ellis. 1,735,268-9; Nov. 12.
 Thermostatic control of cooling circulation. W. B. Clifford. 1,734,963; Nov. 12.
 Thrasher, Reaper. B. S. Harris and H. M. Johnston. 1,735,755; Nov. 12.
 Thrasher, Seed. M. Behensee, W. C. Children, and M. Martin. 1,735,104; Nov. 12.
 Tie: See—
 Spring tie.
 Tie-plate flanges, Bending press for. M. Ovestrud. 1,735,785; Nov. 12.
 Time switch. F. Lux. 1,735,540; Nov. 12.

Timing mechanism. H. Huthmacher. 1,735,762; Nov. 12.
 Tire-building machine. J. I. Haase. 1,735,680; Nov. 12.
 Tire casings, Apparatus for and process of making. H. I. Morris. 1,735,351; Nov. 12.
 Tire wheel structure, Dual. F. H. Meyer and F. R. Klaus. 1,735,290; Nov. 12.
 Tobacco press. L. Pfeffer. 1,735,474; Nov. 12.
 Toe blank, Box. J. C. Feagley. 1,735,383; Nov. 12.
 Tool, Combination. A. N. Plante. 1,735,011; Nov. 12.
 Tool, Garden. E. L. Dennis. 1,735,237; Nov. 12.
 Tool, Hand. F. Nims. 1,735,210; Nov. 12.
 Tool-rotating device for boring and drilling machines, Auxiliary. F. O. Hoagland. 1,735,398; Nov. 12.
 Tool, Stud-aligning. J. R. Miller. 1,735,124; Nov. 12.
 Tooth and facing, Artificial. L. H. Sprinkle. 1,735,217; Nov. 12.
 Toothbrush. A. S. Meador. 1,735,562; Nov. 12.
 Torch machine, Universal. E. L. Ragonnet. 1,735,129; Nov. 12.
 Toy guns, Cartridge for. F. Henke. 1,735,079; Nov. 12.
 Toy guns, Cartridge for. W. R. Paxson. 1,735,086; Nov. 12.
 Toy pistol. T. O. Schrader. 1,735,698; Nov. 12.
 Toy steam engine. W. Ritchie. 1,735,057; Nov. 12.
 Track-laying attachment. G. C. Volt. 1,735,306; Nov. 12.
 Track sander. H. Vissering. 1,735,097; Nov. 12.
 Tractors, Draft hitch for. P. P. Baker. 1,735,719; Nov. 12.
 Traffic signal. L. M. Torrence. 1,735,828; Nov. 12.
 Trailer. S. Hatashita. 1,734,969; Nov. 12.
 Transformer. F. W. Roller. 1,735,092; Nov. 12.
 Transmission. Y. Kikuchi. 1,735,685; Nov. 12.
 Transmission bands, Method of and apparatus for reducing width of. A. Carpe. 1,735,037; Nov. 12.
 Transmission-case cap. H. R. Lietzke. 1,735,826; Nov. 12.
 Transmission, Epicyclic ball. G. S. Morison. 1,735,616; Nov. 12.
 Transmission for motors or engines. J. H. Stringham. 1,735,840; Nov. 12.
 Transmission mechanism. O. O. Storie. 1,735,187; Nov. 12.
 Transporting concrete. E. S. Phillips. 1,734,980-1; Nov. 12.
 Trap. S. S. Pearl. 1,735,786; Nov. 12.
 Tray, Ash. H. A. Stern. 1,735,803; Nov. 12.
 Treating and handling vegetative products, Method and apparatus for. C. H. Plummer. 1,735,089; Nov. 12.
 Treating and sowing guayule seed. W. B. McCallum. 1,735,835; Nov. 12.
 Treating dairy products. S. B. Chambers. 1,735,313; Nov. 12.
 Treating emery wheels. C. L. Gehrich. 1,735,747; Nov. 12.
 Treating fluids with ultra-violet light, Apparatus for. F. E. Goodall and R. H. Van Sant. 1,735,610; Nov. 12.
 Treating hydrocarbons. J. F. Johnson. 1,735,462; Nov. 12.
 Treating lumber. D. Dierks. 1,735,001; Nov. 12.
 Treating materials. S. Hiller. 1,735,395; Nov. 12.
 Treating materials, Apparatus for. S. Hiller. 1,735,393; Nov. 12.
 Treating oil wells to enhance their productivity, Process and material for. A. H. Ackerman. 1,734,990; Nov. 12.
 Treating petroleum-containing substances, Process and apparatus for. J. B. Jensen. 1,734,970; Nov. 12.
 Treating silk-containing wool materials. D. C. Chisholm and J. A. Hannum. 1,735,420; Nov. 12.
 Treatment of hydrocarbons. P. L. Young. 1,735,486; Nov. 12.
 Trimming or edging machine, Wood. J. C. Ramsey. 1,735,792; Nov. 12.
 Trousers. D. Sacks and M. Goldberg. 1,735,657; Nov. 12.
 Truck, Hand. O. W. Miller. 1,735,541; Nov. 12.
 Truck or tender truck, Freight-car. H. E. Doerr. 1,735,239; Nov. 12.
 Tube-deflating machine. W. H. Campbell. 1,735,673; Nov. 12.
 Tube: See—
 Lenard ray tube. Vacuum tube.
 Tube top, Collapsible. R. N. Ellis. 1,735,076; Nov. 12.
 Tubes, Apparatus for constructing. J. B. Tiffany. 1,735,303; Nov. 12.
 Tumbler, Glass. D. Fisher. Des. 79,881; Nov. 12.
 Tuning coil. R. J. J. Starr. 1,735,020; Nov. 12.
 Turbine, Marine. I. Garcia. 1,735,641; Nov. 12.
 Turntable stop, Automatic. J. Kenyon. 1,735,251; Nov. 12.
 Twisting machines, Traveler for. A. Morin. 1,735,469; Nov. 12.
 Type-casting machines, Feeder for. W. G. Wilkes. 1,735,069; Nov. 12.
 Typewriting machine. J. Lindburg. 1,735,121; Nov. 12.
 Tying device. J. L. Morgan. 1,735,691; Nov. 12.
 Umbrella device. A. Kortenbach, Jr. 1,735,285; Nov. 12.
 Utensil, Strainer. C. L. Brown. 1,734,905; Nov. 12.
 Vacuum bottles, Apparatus for use in silvering. M. P. Wetmore. 1,735,343; Nov. 12.
 Vacuum tube. K. Okabe. 1,735,294; Nov. 12.
 Valve, Air-bag. C. Van Rennes. 1,735,700; Nov. 12.
 Valve-closing mechanism. J. L. Shrode. 1,735,511; Nov. 12.

Valve, Flush. F. P. Angell. 1,735,228; Nov. 12.
 Valve, Flush. L. H. Handy. 1,735,244; Nov. 12.
 Valve for compressors. C. H. Lebert. 1,735,205; Nov. 12.
 Valve for pressure pumps, Relief. O. C. Klger and R. Shelton. 1,735,117; Nov. 12.
 Valve for rock drills. W. A. Smith, Jr. 1,734,985; Nov. 12.
 Valve for rock drills. W. A., sr., and W. A. Smith, Jr. 1,734,984; Nov. 12.
 Valve, Measuring. H. M. Henderson. 1,735,390; Nov. 12.
 Valve, Outlet-control. E. N. McComb. 1,735,050; Nov. 12.
 Valve tappet. G. R. Rich. 1,735,695; Nov. 12.
 Valve, Temperature-actuated automatic control. J. and A. C. Sladky. 1,735,475; Nov. 12.
 Vanity case. P. A. Reutter. 1,735,619; Nov. 12.
 Varnish. H. E. Buc. 1,735,493; Nov. 12.
 Vegetable conditioner. J. W. Glenn, F. R. Hood, and J. B. Schwab. 1,735,748; Nov. 12.
 Vegetable cutter. H. M. Williamson. 1,735,702; Nov. 12.
 Vehicle. M. Curry. 1,735,001; Nov. 12.
 Vehicle construction. C. Froesch. 1,735,425; Nov. 12.
 Vehicle seat. H. L. Van Valkenburg and S. Miller. 1,735,518; Nov. 12.
 Vehicles, Automatic dumping body for motor. E. F. Walsh and W. E. Foust. 1,735,065-6; Nov. 12.
 Vending machine, Newspaper. J. A. Urbanek. 1,735,819; Nov. 12.
 Ventilator. J. R. Howard. 1,735,760; Nov. 12.
 Visor, Automobile. F. W. Pearce. 1,735,177; Nov. 12.
 Wall bracket or the like, Lighting fixture. G. E. McFadden. Des. 79,891; Nov. 12.
 Walls, Waterproofing hollow-tile. W. Zaisser. 1,735,447; Nov. 12.
 Warning signal. C. A. Persons. 1,735,979; Nov. 12.
 Washer: See—
 Bottle washer. Gravel washer.
 Washer-conditioning machine. E. Hutchens. 1,735,612; Nov. 12.
 Washing machine, Clothes. C. C. Herbert. 1,735,391; Nov. 12.
 Waste elevator. T. Rivinius. 1,735,585; Nov. 12.
 Watchcase. A. P. Conant. Des. 79,879; Nov. 12.

Watch parts, Producing. R. Straumann. 1,735,805; Nov. 12.
 Water heater, Electric. C. H. Hornby. 1,735,165; Nov. 12.
 Waterproof paper board, Making. E. Baebé. 1,735,030; Nov. 12.
 Waterproofing leather for packing and other purposes. J. J. Doughten. 1,735,564; Nov. 12.
 Wave reception and emission, Method and arrangement of directional. W. Hahnemann, H. Hecht, and B. Nielsen. 1,735,460; Nov. 12.
 Wax, Manufacture of a ceresine like. G. L. Wendt and C. Banta. 1,735,555; Nov. 12.
 Web-registering means. O. Wohlrabe. 1,735,100; Nov. 12.
 Wedge. E. J. Bergstrom. 1,735,448; Nov. 12.
 Welded tubes, Manufacture of butt. D. W. Chisholm. 1,735,234; Nov. 12.
 Well-sealing device, Oil. E. H. McMahan. 1,735,330; Nov. 12.
 Wheel: See—
 Double sheave wheel. Gear wheel.
 Wheelbarrow. J. Cwik. 1,735,527; Nov. 12.
 Wheel-lifting device. H. A. Alltop. 1,735,713; Nov. 12.
 Wheel mounting. A. F. Masury. 1,735,404; Nov. 12.
 Wheels, Manufacturing car. C. R. Day. 1,735,423; Nov. 12.
 Whistle. W. L. Rutkowski. 1,735,697; Nov. 12.
 Window frame. F. C. Andersen, R. L. Nash, and N. T. Roland. 1,735,559; Nov. 12.
 Window screen, Adjustable metal. P. J. A. Hammill. 1,735,501; Nov. 12.
 Window screen, Extensible. M. Gresak. 1,735,458; Nov. 12.
 Wiper, Windshield. J. M. Young. 1,735,070; Nov. 12.
 Wire fabric. E. F. Pink. 1,735,788; Nov. 12.
 Wire-straightening machine. G. F. Matteson. 1,735,833; Nov. 12.
 Wireworking machine. F. Magidson. 1,735,580; Nov. 12.
 Wrench. H. A. Mead. 1,735,257; Nov. 12.
 Wrist-watch box. J. M. Shields. 1,735,060; Nov. 12.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 12, 1929

NOTE—First number=class, second number=subclass, third number=patent number.

1— 4: 1,735,625	36— 35: 1,735,369	74— 17: 1,735,491	92— 21: 1,735,426	123— 59: 1,735,543	150— 13: 1,735,284
48: 1,735,195	77: 1,735,383	28: 1,735,229	1,735,427	90: 1,735,695	30: 1,735,043
2— 148: 1,735,399	78: 1,735,457	29: 1,735,105	1,735,428	122: 1,735,720	1,735,650
146: 1,735,172	37— 128: 1,735,412	32: 1,734,960	1,735,429	127: 1,735,630	33: 1,735,655
162: 1,735,676	40— 33: 1,735,352	33: 1,735,783	1,735,631	1,735,633	40: 1,735,300
175: 1,735,705	37: 1,735,444	34: 1,735,616	1,735,635	153— 25: 1,735,785	38: 1,735,128
237: 1,735,657	56: 1,735,791	1,735,768	1,735,635	61: 1,735,243	1: 1,735,609
4— 177: 1,735,513	64: 1,735,836	38: 1,735,707	1,735,635	140: 1,735,632	5: 1,735,689
5— 82: 1,735,552	70: 1,735,489	39: 1,735,247	1,735,635	198: 1,735,632	9: 1,735,673
170: 1,735,006	130: 1,735,040	1,735,677	1,735,635	174: 1,735,613	1,735,680
262: 1,735,354	156: 1,735,431	58: 1,735,232	1,735,635	124— 12: 1,735,079	11: 1,735,351
294: 1,735,307	26: 1,735,765	1,735,203	1,735,635	38: 1,735,151	28: 1,735,684
334: 1,735,521	34: 1,735,801	59: 1,735,187	1,735,635	39: 1,735,654	30: 1,735,340
8— 12: 1,735,420	3: 1,735,160	78: 1,735,058	1,735,635	42: 1,734,957	14: 1,735,518
19: 1,735,146	57: 1,735,698	81: 1,735,508	1,735,635	84: 1,735,065	96: 1,735,320
10— 5: 1,735,231	20: 1,735,026	83: 1,735,542	1,735,635	191: 1,735,661	1,735,321
171: 1,735,298	61: 1,735,786	97: 1,735,578	1,735,635	194: 1,735,652	156— 14: 1,735,207
12— 1: 1,735,525	44— 16: 1,735,506	1,735,685	1,735,635	295: 1,735,034	15: 1,735,314
133: 1,735,598	45— 2: 1,735,223	109: 1,735,264	1,735,635	299: 1,735,806	21: 1,735,016
15— 119: 1,735,281	9: 1,735,375	1,735,291	1,735,635	317: 1,735,029	38: 1,735,458
120: 1,735,280	17: 1,735,119	1,735,366	1,735,635	71: 1,735,509	39: 1,735,496
146: 1,735,644	111: 1,735,276	1,735,587	1,735,635	73: 1,735,703	53: 1,735,475
167: 1,735,582	131: 1,735,292	1,735,596	1,735,635	141: 1,735,265	1,735,669
176: 1,735,802	46— 46: 1,735,697	1,735,757	1,735,635	203: 1,735,809	76: 1,735,463
206: 1,735,277	48— 66: 1,735,390	1,735,744	1,735,635	252: 1,735,679	77: 1,735,245
228: 1,735,358	49— 7: 1,735,027	1,735,744	1,735,635	260: 1,735,221	91: 1,735,658
229: 1,735,278	17: 1,734,964	1,735,744	1,735,635	344: 1,735,519	99: 1,735,618
249: 1,735,488	1,734,965	1,735,744	1,735,635	356: 1,735,287	120: 1,735,182
255: 1,735,070	1,735,573	1,735,744	1,735,635	1: 1,735,211	159— 49: 1,735,397
82: 1,735,024	33: 1,735,595	1,735,744	1,735,635	16: 1,735,581	163— 1: 1,735,759
164: 1,735,696	47: 1,735,353	1,735,744	1,735,635	163: 1,735,214	20: 1,735,520
179: 1,735,867	55: 1,735,551	1,735,744	1,735,635	20: 1,735,318	110: 1,735,780
18— 45: 1,735,700	57: 1,735,887	1,735,744	1,735,635	31: 1,735,031	166— 2: 1,734,990
48: 8: 1,735,674	57: 1,735,693	1,735,744	1,735,635	41: 1,735,671	21: 1,735,646
53: 1,735,701	51— 17: 8: 1,735,693	1,735,744	1,735,635	132— 34: 1,735,255	169— 2: 1,735,099
55: 1,735,668	109: 1,735,410	1,735,744	1,735,635	36: 2: 1,734,961	170— 39: 1,735,622
59: 1,735,476	119: 1,735,565	1,735,744	1,735,635	79: 1,735,183	171— 97: 1,735,179
69: 1,735,135	131: 1,735,599	1,735,744	1,735,635	83: 1,735,482	119: 1,735,020
20— 11: 1,735,559	201: 1,735,723	1,735,744	1,735,635	1,735,483	229: 1,735,820
49: 1,735,649	236: 1,735,333	1,735,744	1,735,635	1,735,619	242: 1,735,141
100: 1,735,722	263: 1,735,000	1,735,744	1,735,635	1,735,647	312: 1,735,116
65: 1,735,648	278: 1,735,747	1,735,744	1,735,635	26: 1,735,493	278: 1,735,222
80: 1,735,099	6: 1,735,589	1,735,744	1,735,635	46: 1,735,793	279: 1,735,579
203: 1,735,049	114: 1,735,237	1,735,744	1,735,635	79: 1,735,156	31: 1,735,530
189: 1,735,120	68: 1,735,275	1,735,744	1,735,635	1,735,158	259: 1,735,038
203: 1,735,049	119: 1,734,972	1,735,744	1,735,635	1,735,737	318: 1,735,590
162: 1,735,342	122: 1,735,755	1,735,744	1,735,635	44: 1,735,285	1,735,829
205: 1,735,409	128: 1,735,104	1,735,744	1,735,635	53: 1,735,117	328: 1,735,133
226: 1,734,991	254: 1,735,567	1,735,744	1,735,635	93: 1,735,228	332: 1,735,583
3: 1,735,991	309: 1,735,322	1,735,744	1,735,635	1,735,244	1,735,731
18: 1,735,601	333: 1,735,821	1,735,744	1,735,635	111: 1,735,712	343: 1,735,316
19: 1,735,346	59— 93: 1,735,798	1,735,744	1,735,635	139: 1,735,511	354: 1,735,305
38: 1,735,686	60— 10: 1,735,724	1,735,744	1,735,635	153: 1,735,197	362: 1,735,656
60: 1,735,450	62— 4: 1,735,498	1,735,744	1,735,635	160: 1,735,789	366: 1,735,561
81: 1,735,387	37: 1,735,495	1,735,744	1,735,635	161: 1,735,415	89: 1,735,271
110: 1,735,620	92: 1,735,642	1,735,744	1,735,635	139— 48: 1,735,467	177: 1,735,679
131: 1,735,787	92: 1,735,682	1,735,744	1,735,635	215: 1,735,544	41: 1,735,381
25— 41: 1,735,274	98: 1,735,832	1,735,744	1,735,635	353: 1,735,814	175— 41: 1,735,363
104: 1,735,497	98: 1,735,453	1,735,744	1,735,635	1,735,833	1,735,416
131: 1,735,017	119: 5: 1,735,487	1,735,744	1,735,635	141— 7: 1,735,539	1,735,532
157: 1,735,167	121: 1,735,094	1,735,744	1,735,635	143— 47: 1,735,178	115: 1,735,629
28— 4: 1,735,639	63— 4: 1,735,384	1,735,744	1,735,635	168: 1,735,773	183: 1,735,593
26: 1,735,086	64— 96: 1,734,988	1,735,744	1,735,635	184: 1,735,216	264: 1,735,494
84: 1,735,124	65— 16: 1,735,003	1,735,744	1,735,635	118: 1,735,310	294: 1,735,225
88: 2: 1,735,272	65— 65: 1,735,144	1,735,744	1,735,635	197: 1,735,792	296: 1,735,018
148: 1,735,563	66— 3: 1,735,200	1,735,744	1,735,635	218: 1,735,710	358: 1,735,092
155: 1,735,776	66— 10: 1,735,078	1,735,744	1,735,635	56: 1,735,406	376: 1,735,301
168: 1,735,423	69— 21: 1,735,564	1,735,744	1,735,635	78: 1,735,702	51: 1,735,667
178: 1,735,806	70— 74: 1,735,085	1,735,744	1,735,635	119: 1,735,389	103: 1,735,215
1: 1,735,766	70— 90: 1,735,338	1,735,744	1,735,635	124: 1,735,226	177— 329: 1,735,562
12: 1,735,140	72— 18: 1,735,361	1,735,744	1,735,635	137: 1,735,818	380: 1,735,189
1,735,388	50: 1,735,827	1,735,744	1,735,635	160: 1,735,174	2: 1,735,838
1,735,751	118: 1,735,010	1,735,744	1,735,635	201: 1,735,748	6: 1,735,553
20: 1,735,312	122: 1,735,259	1,735,744	1,735,635	6: 1,735,840	44: 1,735,037
31— 20: 1,735,355	127: 1,735,447	1,735,744	1,735,635		
32— 6: 1,735,218	127: 1,735,447	1,735,744	1,735,635		
9: 1,735,217	127: 1,735,447	1,735,744	1,735,635		
12: 1,735,537	127: 1,735,447	1,735,744	1,735,635		
151: 1,734,958	127: 1,735,447	1,735,744	1,735,635		
214: 1,735,413	127: 1,735,447	1,735,744	1,735,635		
34: 1,734,992	127: 1,735,447	1,735,744	1,735,635		
12: 1,735,456	127: 1,735,447	1,735,744	1,735,635		
36— 9: 1,735,434	127: 1,735,447	1,735,744	1,735,635		

178—	44: 1,735,052	196—	1: 1,735,462	209—	173: 1,735,089	235—	7: 1,735,062	250—	20: 1,735,134	266—	25: 1,735,293	
	1,735,742		16: 1,735,440		209: 1,735,067		27: 1,735,033		1,735,171		36: 1,735,371	
	69: 1,735,041		1,735,546		270: 1,735,738		61.5: 1,735,028		1,735,185		22: 1,735,730	
	70: 1,735,473		19: 1,735,555	210—	55: 1,734,967	236—	24.5: 1,735,078		1,735,182		52: 1,735,100	
179—	15: 1,735,044		46: 1,734,939		72: 1,735,523		34: 1,734,963	27.5: 1,735,060	271—	2.5: 1,735,643		
	1,735,341		72: 1,735,538		94: 1,735,007		79: 1,735,436		1,735,264		272—	57: 1,735,538
	18: 1,735,328		74: 1,735,503		159: 1,734,999		7: 1,735,296		1,735,302		273—	32: 1,735,736
	27: 1,735,575		80: 1,735,421		182: 1,734,999		144: 1,735,227		1,735,816		87: 1,735,794	
100.1: 1,735,095			141: 1,735,470	211—	19: 1,735,772		224: 1,735,586		34: 1,735,726	274—	2: 1,735,283	
	1,735,113	197—	6.4: 1,735,252		24: 1,735,372		243: 1,735,347		36: 1,735,806		15: 1,735,311	
	1,735,335		126: 1,735,138		45: 1,734,993		1,735,348		38: 1,735,161	279—	2: 1,734,989	
	107: 1,735,267		127: 1,735,121		129: 1,735,051		1,735,348	251—	45: 1,735,050		56: 1,735,804	
	171: 1,735,148	198—	7: 1,735,365		134: 1,735,220	240—	1: 1,735,103		91: 1,735,790	280—	33.1: 1,734,969	
	1,735,150		20: 1,735,472		156: 1,735,009		4: R. 17, 485		1,735,205		33.12: 1,735,719	
	1,735,750		81: 1,735,242		158: 1,734,997		10.5: 1,735,545		1: 1,735,142		47: 1,735,063	
180—	64: 1,735,425		127: 1,735,767		161: R. 17, 487		1,735,797	252—	3: 1,735,096		54: 1,735,527	
	73: 1,735,404		177: 1,735,443		R. 17, 488		24: 1,735,572		5: 1,735,170		124: 1,735,708	
181—	0.5: 1,735,460		198: 1,735,585		182: 1,735,505		41: 1,735,090		6: 1,734,975		150: 1,735,743	
	27: 1,735,054	200—	220: 1,735,137	214—	41: 1,735,106		1,735,248	254—	104: 1,735,448	281—	6: 1,735,008	
	1,735,528		7: 1,735,184		52: 1,735,022		1,735,377		109: 1,735,839	283—	42: R. 17, 486	
	1,735,549		8: 1,735,706		131: 1,735,778		1,735,725		120: 1,735,711	285—	58: 1,735,130	
	31: 1,735,417		11: 1,735,485		145: 1,735,716		44: 1,735,451	255—	55: 1,735,091		95: 1,734,966	
183—	8: 1,735,694		33: 1,735,588	215—	43: 1,735,445	48.4: 1,735,209	1,735,209	256—	3: 1,735,664		122: 1,735,637	
	111: 1,735,298		35: 1,735,762	219—	10: 1,736,213		52: 1,735,212	257—	125: 1,735,807		166: 1,735,326	
	119: 1,735,455		39: 1,735,540		38: 1,735,057		54: 1,735,285		136: 1,734,956	286—	27: 1,735,193	
184—	7: 1,735,175		89: 1,734,982		39: 1,735,554		62: 1,735,437		199: 1,735,169	288—	3: 1,735,466	
	84: 1,735,266		91: 1,735,092		44: 1,735,093		85: 1,735,098		245: 1,734,962	290—	7: 1,735,690	
	89: 1,735,220		118: 1,735,114		45: 1,735,165		1,735,260	258—	1: 1,735,395		30: 1,735,163	
186—	2: 1,735,504		122: 1,735,357	230—	9: 1,735,047		103: 1,735,181	259—	10: 1,735,395		47: 1,734,955	
187—	54: 1,735,153		132: 1,735,672		24: 1,735,132		128: 1,735,180		101: 1,735,097	291—	11: 1,735,097	
188—	22: 1,735,541		138: 1,735,088		25: 1,735,126	242—	11: 1,735,136		108: 1,735,143		28: 1,735,039	
	78: 1,735,139		139: 1,735,269		26: 1,735,461		75: 1,735,570		144: 1,735,236	292—	120: 1,735,557	
	1,735,205		140: 1,735,268		55: 1,735,653		130: 1,735,349	260—	54: 1,735,084		270: 1,735,081	
79.5: 1,735,507			140: 1,735,614		80: 1,735,056		14: 1,735,308		56: 1,735,432	294—	31: 1,735,500	
	89: 1,735,769		157: 1,735,556		86: 1,735,484		18: 1,735,115		57: 1,735,123		33: 1,735,502	
	90: 1,735,529		159: 1,735,112		88: 1,735,261		24: 1,735,309		60: 1,735,147		49: 1,735,210	
	140: 1,735,339		166: 1,735,263		90: 1,734,976		25: 1,735,675		101: 1,735,156		49: 1,735,713	
	151: 1,735,452	201—	48: 1,735,023		1,735,756		29: 1,735,662		114: 1,735,107	296—	51: 1,735,408	
	200: 1,735,752		64: 1,735,168		221—	47.3: 1,735,299	245—	6: 1,735,788		123: 1,735,433		
	205: 1,735,055		1,735,831		48: 1,735,784		10: 1,735,640		124: 1,735,407		95: 1,735,177	
	210: 1,735,639		1,735,831		60: 1,735,076		126: 1,735,709		136: 1,735,763	298—	38: 1,735,065	
189—	1: 1,735,627	202—	18: 1,734,970		76: 1,734,968		140: 1,735,019		154: 1,735,327		1,735,066	
	31.1: 1,735,101		28: 1,735,394		94: 1,735,465		242: 1,735,753	261—	45: 1,735,499	299—	88: 1,735,728	
	35: 1,735,770		1,735,309		104: 1,735,300		272: 1,735,238		69: 1,735,634		112: 1,735,376	
	39: 1,735,360	206—	40.6: 1,735,241		108: 1,735,077		273: 1,735,626		118: 1,735,611		133: 1,735,490	
	41: 1,735,591		1,735,186		145: 1,735,249		283: 1,735,337		124: 1,735,407	301—	13: 1,735,290	
	65: 1,735,048		1,735,323	223—	20: 1,735,688		1,735,647	262—	3: 1,735,012		44: 1,735,715	
	191—		1,735,704		29: 1,735,078		435: 1,735,075		9: 1,735,583	304—	34: 1,735,003	
192—	4: 1,735,332		44: 1,735,059	226—	14: 1,735,042	247—	2: 1,735,072		15: 1,735,256	308—	36: 1,735,319	
	35: 1,734,998		47: 1,735,154		17: 1,735,624		21: 1,735,331	263—	1,735,606		79: 1,735,258	
	47: 1,735,125		60: 1,735,548	228—	58: 1,735,418		25: 1,734,971		1,735,607		160: 1,735,315	
	92: 1,735,201		75: 1,735,060	229—	1.5: 1,735,219		27: 1,735,196		1,735,608		165: 1,735,636	
	104: 1,735,064		1,735,061		8: 1,735,191	248—	21: 1,735,149		1,735,687		166: 1,735,235	
	118: 1,735,251	208—	37: 1,735,665		32: 1,735,173		31: 1,735,192	265—	20: 1,735,605		187: 1,735,602	
	129: 1,735,761		41: 1,735,601		33: 1,735,682		41: 1,735,739		1: 1,735,517	312—	38: 1,735,514	
	136: 1,735,204		184: 1,735,359		44: 1,735,325		63: 1,735,740		29: 1,735,729		1,735,515	
	1,735,745	209—	21: 1,735,479		81: 1,735,273		11: 1,735,053		62: 1,735,571		1,735,516	
193—	31: 1,735,825		102: 1,735,795	230—	205: 1,735,441	250—	13: 1,735,344	266—	1.5: 1,735,419		78: 1,735,253	
194—	57: 1,735,819		113: 1,735,796	232—	24: 1,735,379		20: 1,735,083		7: 1,734,966		146: 1,735,741	
			167: 1,735,190	233—	20: 1,735,692							

U. S. GOVERNMENT PRINTING OFFICE: 1929

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

- Nov. 19, 1929
- A-D-A Company, The, Atlanta, Ga. Nail-polish powder. 264,090; Nov. 19; Serial No. 286,290; published Aug. 27, 1929. Class 6.
- Acme Brick Company, Danville, Ill. Roofing tile. 264,286; Nov. 19; Class 12.
- Adjusta Co., New York, N. Y. Buckles. 264,260; Nov. 19; Class 40.
- Alexander, Adeline C., Glendale, Calif. Bath salts, rouge, sunburn lotion, etc. 264,072; Nov. 19; Serial No. 286,468; published Sept. 3, 1929. Class 6.
- Aluminum Industries, Inc., Cincinnati, Ohio. Pistons. 264,142-4; Nov. 19; Serial Nos. 284,891-3; published Sept. 10, 1929. Class 23.
- American Agricultural Chemical Company, The, New York, N. Y. Guano, commercial fertilizers, and limestone. 264,116; Nov. 19; Serial No. 287,950; published Sept. 10, 1929. Class 10.
- American Chaffillon Corporation, New York, N. Y. Artificial silk in the nature of thread and cellulose-acetate and viscose-rayon yarn. 264,124-26; Nov. 19; Serial Nos. 286,913-15; published Sept. 10, 1929. Class 43.
- American Chemical & Drug Co., Inc., Olyphant, Pa. Lintment. 264,292; Nov. 19. Class 6.
- American Made Toy Company. (See Bloom, Louis I.)
- American National Company, The, Toledo, Ohio. Juvenile vehicles in the nature of toys. 264,282; Nov. 19. Class 22.
- American Pile Fabric Company, Philadelphia, Pa., and New York, N. Y. Velour piece goods, velour portieres, and draperies. 264,111; Nov. 19; Serial No. 287,397; published Sept. 10, 1929. Class 42.
- Amortorg Trading Corporation, New York, N. Y. Matches. 264,132-6; Nov. 19; Serial Nos. 288,168-72; published Sept. 10, 1929. Class 9.
- Associated Meat Company, Los Angeles, Calif. Vegetable shortening. 264,153; Nov. 19; Serial No. 264,942; published Sept. 10, 1929. Class 46.
- Atlas Tool Mfg. Co., Inc., The, New York, N. Y. Asbestos lead-joint runners, pinch bars, box chisels, etc. 264,239; Nov. 19; Serial No. 283,773; published Sept. 10, 1929. Class 23.
- Avedene Pharmacal Co. (See Nonhoff, Glen F.)
- Banker, Saddle, doing business as Everett Malt Products Co., Everett, Mass. Malt syrup. 264,275; Nov. 19. Class 46.
- Barker Bros., Incorporated, Los Angeles, Calif. Mattresses and bed springs. 264,238; Nov. 19; Serial No. 281,647; published Sept. 10, 1929. Class 32.
- Barnett Bros., New York, N. Y. Flannel outer shirts and lumberjackets. 264,249; Nov. 19. Class 39.
- Bastian, W. B., Manufacturing Co., Los Angeles, Calif. Gas water heaters. 264,048; Nov. 19; Serial No. 283,541; published Sept. 3, 1929. Class 34.
- Bastian, W. B., Manufacturing Co., Los Angeles, Calif. Gas water heaters. 264,051-2; Nov. 19; Serial Nos. 283,543-4; published Sept. 3, 1929. Class 34.
- Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 264,254; Nov. 19. Class 39.
- Beggs Brothers Fruit Co., Los Angeles, Calif. Fresh citrus fruits. 264,288; Nov. 19. Class 46.
- Beh & Co. Inc., New York, N. Y. Ironing boards. 264,192; Nov. 19; Serial No. 286,853; published Sept. 3, 1929. Class 24.
- Belle Amie Laboratories. (See Gerard, Albert G.)
- Bendiner & Schlosinger, Inc., New York, N. Y. Antiseptic suppositories, powder, and jelly. 264,231; Nov. 19; Serial No. 279,906; published Sept. 3, 1929. Class 5.
- Benson Paint & Varnish Co., Birmingham, Ala. Varnishes. 264,207; Nov. 19; Serial No. 288,054; published Sept. 10, 1929. Class 16.
- Bethlehem Steel Company, Bethlehem, Pa. Steel pipe. 264,198; Nov. 19; Serial No. 287,039; published Sept. 3, 1929. Class 13.
- Bjorlin Baking Co., Duluth, Minn. Bread. 264,281; Nov. 19. Class 46.
- Blass, F. M. Eugene, doing business as The E. Am. Ass'n. for Oxygen-Therapy, New York, N. Y. Nascent oxygen preparations. 264,232; Nov. 19; Serial No. 280,215; published Aug. 13, 1929. Class 6.
- Blau, Emanuel T., doing business as Super Chemical Products Co., New York, N. Y. Moth repellent. 264,234; Nov. 19; Serial No. 283,430; published Aug. 27, 1929. Class 6.
- Bloom, Louis I., doing business as American Made Toy Company, Brooklyn and New York, N. Y. Stuffed toys. 264,224; Nov. 19; Serial No. 283,940; published Sept. 10, 1929. Class 22.
- Blue Bird Company, The, Baltimore, Md. Toys. 264,039; Nov. 19; Serial No. 285,703; published Sept. 3, 1929. Class 22.
- Blume, Marcel, doing business as Fairyland, Paris, France. Napkins, tablecloths, and draperies made of linen. 264,168; Nov. 19; Serial No. 270,764; published Sept. 10, 1929. Class 42.
- Bob, H. D., Company Inc., New York, N. Y. Work shirts, blouses, and windbreakers. 264,261; Nov. 19. Class 39.
- Böhme, H. Th., A. G., Chemnitz, Germany. Chemical dye aids. 264,070; Nov. 19; Serial No. 285,010; published Sept. 3, 1929. Class 6.
- Boote, J. C., doing business as Boote's Hatcheries and Pullet Farms, Worthington, Minn. Live baby chicks, matured poultry stock, and hatching eggs. 264,182; Nov. 19; Serial No. 285,655; published Sept. 10, 1929. Class 46.
- Boote's Hatcheries and Pullet Farms. (See Boote, J. C.)
- Borovitz, Joseph, Inc., New York, N. Y. Matches. 264,112; Nov. 19; Serial No. 287,558; published Sept. 10, 1929. Class 9.
- Brill, H. C., Co., Inc., Newark, N. J. Icings for cakes. 264,264; Nov. 19. Class 46.
- Brown, Andrew, Co., Inc., Los Angeles, Calif. Lacquer. 264,278; Nov. 19. Class 16.
- Buckingham Radio Corporation, Chicago, Ill. Radio receiving sets and parts thereof and loud-speakers built into the sets. 264,289; Nov. 19. Class 21.
- Bulova Watch Company, Inc., New York, N. Y. Wrist watches. 264,102; Nov. 19; Serial No. 287,956; published Sept. 10, 1929. Class 27.
- Bulova Watch Company, Inc., New York, N. Y. Wrist watches. 264,117; Nov. 19; Serial No. 287,955; published Sept. 10, 1929. Class 27.
- Bulova Watch Company, Inc., New York, N. Y. Watch-cases. 264,258; Nov. 19. Class 27.
- Burns Specialty Co., Inc., Haynesville, La. Oil and gas well equipment. 264,240; Nov. 19; Serial No. 284,108; published Sept. 10, 1929. Class 23.
- Butterfield, Fred, & Co. Inc., New York, N. Y. Bleached and unbleached, dyed, and printed textile fabric. 264,139; Nov. 19; Serial No. 250,971; published Sept. 10, 1929. Class 42.
- Callis, George, Atlanta, Ga. Canned fruits, vegetables, coffee, etc. 264,152; Nov. 19; Serial No. 275,521; published Sept. 10, 1929. Class 46.
- Canners' Filtration Company, San Francisco, Calif. Filtering powder. 264,036; Nov. 19; Serial No. 287,172; published Sept. 10, 1929. Class 31.
- Cervelli, Blanche, San Francisco, Calif. Hairbrushes. 264,280; Nov. 19. Class 29.
- Chaney Products, Inc., New York, N. Y. Permanent-hair-waving appliances. 264,038; Nov. 19; Serial No. 285,191; published Sept. 10, 1929. Class 44.
- Chinosol Products Company, New York, N. Y. Antiseptic jelly. 264,110; Nov. 19; Serial No. 287,047; published Aug. 27, 1929. Class 6.
- Chrysler Corporation, Detroit, Mich. Automobiles and their structural parts. 264,049-50; Nov. 19; Serial Nos. 283,551-2; published Sept. 10, 1929. Class 19.
- Churchman, A., doing business as Churchman Coffee Co., Kansas City, Mo. Coffee. 264,274; Nov. 19. Class 46.
- Citizens' Wholesale Supply Company, The, Columbus, Ohio. Baking powder. 264,097; Nov. 19; Serial No. 285,443; published Sept. 3, 1929. Class 6.
- Clegg Lock Washer Corporation, Chicago, Ill. Lock washers. 264,200; Nov. 19; Serial No. 285,813; published Sept. 3, 1929. Class 13.
- Cleveland Pneumatic Tool Company, The, Cleveland, Ohio. Air springs for vehicles. 264,169; Nov. 19; Serial No. 270,918; published Sept. 10, 1929. Class 19.
- Cole, Harold E., doing business as Drifless Ice Cream Sandwich Company, Taunton, Mass. Hollow edible-pastry containers. 264,218; Nov. 19; Serial No. 286,814; published Sept. 3, 1929. Class 46.
- Colonial Products Co. (See Silberman, L. E.)
- Consolidated Hardware Manufacturers, Inc., Pasadena, Calif. Sash balances and casement adjusters. 264,046; Nov. 19; Serial No. 282,342; published Sept. 3, 1929. Class 13.
- Consolidated Ribbon & Carbon Company, Chicago, Ill. Carbon paper. 264,276; Nov. 19. Class 11.
- Cooley Manufacturing Company, Chicago, Ill. Aquatic amusement appliances. 264,225; Nov. 19; Serial No. 284,722; published Sept. 10, 1929. Class 22.
- Cornwall, Hamilton O., doing business as House of Dollar Specials, New York, N. Y. Pincushions. 264,269; Nov. 19. Class 40.
- Cox Gelatine Company, The, New York, N. Y. Gelatine. 264,211; Nov. 19; Serial No. 2

De Natale Jewelry Co., New York, N. Y. Watches. 264,172; Nov. 19; Serial No. 283,033; published Sept. 10, 1929. Class 27.

Diamond Expansion Bolt Co., Garwood, N. J. Metal clamps. 264,203; Nov. 19; Serial No. 286,102; published Sept. 3, 1929. Class 13.

Diamond Expansion Bolt Co., Garwood, N. J. Metal clamps. 264,204; Nov. 19; Serial No. 286,103; published Sept. 10, 1929. Class 13.

Dillon, Squire R., Big Timber, Mont. Liquid compound. 264,081; Nov. 19; Serial No. 287,654; published Sept. 3, 1929. Class 6.

Dorr Company, The, New York, N. Y. Filters. 264,054; Nov. 19; Serial No. 284,903; published Sept. 10, 1929. Class 31.

Dougherty Grape Growers Association, Acampo, Calif. Fresh grapes. 264,257; Nov. 19; Serial No. 287,915; published Sept. 10, 1929. Class 46.

Doughnut Machine Corporation, New York, N. Y. Sugar mixture. 264,180; Nov. 19; Serial No. 285,624; published Sept. 10, 1929. Class 46.

Draft-A-Juster Corporation, Chicago, Ill. Dampers and hand and automatic mechanical draft controls. 264,300; Nov. 19; Serial No. 284,903; published Sept. 10, 1929. Class 31.

Dripless Ice Cream Sandwich Company. (See Cole, Harold E.)

Driscoll, Jeremiah T., St. Louis, Mo. Oil burners and parts therefor. 264,151; Nov. 19; Serial No. 243,597; published Sept. 10, 1929. Class 34.

Dryform Mfg. Co. (See Embrey, John W.)

Duplex Silk Mills, Inc., New York, N. Y. Silks in the piece. 264,107; Nov. 19; Serial No. 288,110; published Sept. 10, 1929. Class 42.

Du Pont Viscoid Company, New York, N. Y. Empty cigarette boxes. 264,115; Nov. 19; Serial No. 287,915; published Sept. 10, 1929. Class 8.

Dwyer, Leo E., doing business as National Screen Co., Cleveland, Ohio. Motion-picture screens. 264,247; Nov. 19; Serial No. 288,110; published Sept. 10, 1929. Class 26.

E. Am. Ass'n. for Oxygen-Therapy, The. (See Blass, F. M. Eugene.)

Edison, Sylvan M., Rockford, Ill. Medicated tea. 264,091; Nov. 19; Serial No. 286,309; published Aug. 27, 1929. Class 6.

Ellert Beverage Company, The, Cleveland, Ohio. Cereal beverage. 264,064; Nov. 19; Serial No. 286,554; published Sept. 10, 1929. Class 48.

Electric Indicator Corporation, Stamford, Conn. Electrical station-load indicators, electrical indicators, etc. 264,065; Nov. 19; Serial No. 286,747; published Sept. 10, 1929. Class 26.

Ellwood Foundry and Machine Company, The, Ellwood City, Pa. Common bathtubs, double-shell bathtubs, single-shell bathtubs, etc. 264,208; Nov. 19; Serial No. 285,022; published Sept. 10, 1929. Class 13.

Embrey, John W., doing business as Dryform Mfg. Co., Little Rock, Ark. Powder for use in preparing a permanent-waving solution. 264,262; Nov. 19; Serial No. 286,747; published Sept. 10, 1929. Class 6.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 264,298; Nov. 19; Serial No. 286,747; published Sept. 10, 1929. Class 22.

Ernstberger, H. & Co., New York, N. Y. Fabrics. 264,104; Nov. 19; Serial No. 288,012; published Sept. 10, 1929. Class 42.

Everett Malt Products Co. (See Banker, Sadie.)

Fairlyland. (See Blume, Marcel.)

Falls City Ice & Beverage Company, Louisville, Ky. Ginger ale and malted beverages. 264,263; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 46.

Farkas, Louis, New York, N. Y. Vinegar. 264,177; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 46.

Farley & Loetscher Mfg. Co., Dubuque, Iowa; Chicago, Ill.; Des Moines, Iowa; and Sioux Falls, S. Dak. Doors, gates, door frames, etc. 264,268; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 12.

Farquhar, A. B. Company, Limited, York, Pa. Manure spreaders. 264,266; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 23.

Fassett & Company, Tacoma, Wash. Canned fruits, berries, and vegetables. 264,103; Nov. 19; Serial No. 287,963; published Sept. 10, 1929. Class 46.

Fault-Less Products Co., New York, N. Y. Washing powder. 264,295; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 4.

Federal Rubber Company, The, Chicago, Ill., and Cudahy, Wis. Vehicle tires and rubber tubes therefor. 264,063; Nov. 19; Serial No. 285,073; published Sept. 10, 1929. Class 35.

Federal Varnish Co., Chicago, Ill. Varnishes. 264,043; Nov. 19; Serial No. 286,750; published Sept. 10, 1929. Class 16.

Fischer, B. & Co., Inc., New York, N. Y. Coffee, tea, and spice. 264,053; Nov. 19; Serial No. 284,395; published Sept. 10, 1929. Class 46.

Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Protective paints. 264,226; Nov. 19; Serial No. 284,784; published Sept. 10, 1929. Class 16.

Fitzgerald, William B., Worcester, Mass. Girdles, corsets, and garter belts. 264,270; Nov. 19; Serial No. 286,752; published Sept. 3, 1929. Class 19.

Fleet Aircraft, Inc., Buffalo, N. Y. Flying machines. 264,190; Nov. 19; Serial No. 286,752; published Sept. 3, 1929. Class 19.

Foremost Fabrics Corporation, New York, N. Y. Silk piece goods. 264,058; Nov. 19; Serial No. 287,293; published Sept. 10, 1929. Class 42.

Frazer Paint Company, Detroit, Mich. White paint enamel. 264,031; Nov. 19; Serial No. 287,241; published Sept. 10, 1929. Class 16.

Frazer Paint Company, Detroit, Mich. Floor enamels. 264,045; Nov. 19; Serial No. 287,240; published Sept. 10, 1929. Class 16.

Fuel and Heat Saver Co., The, Cleveland, Ohio. Furnace and boiler flue baffles. 264,201; Nov. 19; Serial No. 285,815; published Sept. 10, 1929. Class 34.

Geigy Company, Inc., New York, N. Y. Coal-tar dyes. 264,241-2; Nov. 19; Serial Nos. 284,451-2; published Sept. 3, 1929. Class 6.

General Color Products Co., Chicago, Ill. Ceramic enamels, colors, and coating. 264,165; Nov. 19; Serial No. 269,454; published Sept. 10, 1929. Class 16.

Gerard, Albert G., doing business as Belle Amie Laboratories, New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 264,120; Nov. 19; Serial No. 286,488; published Sept. 3, 1929. Class 6.

Gilbert Products Corporation, New York, N. Y. Tooth paste and oral antiseptic. 264,118; Nov. 19; Serial No. 286,323; published Aug. 27, 1929. Class 6.

Gilman Paper Company, New York, N. Y. Paper bags. 264,193-4; Nov. 19; Serial Nos. 286,875-6; published Sept. 3, 1929. Class 2.

Gilman Paper Company, New York, N. Y. Paper bags. 264,195-7; Nov. 19; Serial Nos. 286,878-80; published Sept. 10, 1929. Class 2.

Giudici, Samuel E., doing business as The Vitacocoa Company, New York, N. Y. Food preparation comprising cocoa, etc. 264,219; Nov. 19; Serial No. 286,933; published Sept. 3, 1929. Class 46.

Gorbach Brothers, New York, N. Y. Watches and movements. 264,127; Nov. 19; Serial No. 287,065; published Sept. 10, 1929. Class 27.

Granger Calcium Products, Inc., Brooklyn, N. Y. Compound calcium tablets. 264,121; Nov. 19; Serial No. 286,934; published Sept. 3, 1929. Class 6.

Haas, Earle C., doing business as Medical Kartledge Company, Denver, Colo. Antiseptic germicide. 264,252; Nov. 19; Serial No. 286,934; published Sept. 3, 1929. Class 6.

Hagen-Becker Company, St. Paul, Duluth, and Minneapolis, Minn. Malt extracts and syrups. 264,138; Nov. 19; Serial No. 250,795; published Feb. 7, 1928. Class 46.

Haller, Louis, doing business as Haller's Bird Store, Cincinnati, Ohio. Bird food. 264,280; Nov. 19; Serial No. 285,739; published Sept. 10, 1929. Class 13.

Hardesty & Stineman, Pittsburgh, Pa. Material for improving the color, texture, and flavor of bread. 264,183; Nov. 19; Serial No. 285,741; published Sept. 3, 1929. Class 46.

Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycle trucks. 264,302; Nov. 19; Serial No. 286,934; published Sept. 3, 1929. Class 13.

Hed-Eze Remedy Co. (See Scherer, William J.)

Henry & Henry, Incorporated, Buffalo, N. Y. Cleansing and washing powder. 264,166; Nov. 19; Serial No. 270,081; published Sept. 25, 1928. Class 4.

Hepke, Auguste, née Corneliuss, Weimar, Germany. Salves. 264,119; Nov. 19; Serial No. 286,328; published Sept. 3, 1929. Class 6.

Heumann, L. & Company, Inc., New York, N. Y. Preparation for the relief of stomach disorders. 264,085; Nov. 19; Serial No. 286,120; published Sept. 3, 1929. Class 6.

Hinde & Dauch Paper Company, The, Sandusky, Ohio. Merchandise envelope. 264,205; Nov. 19; Serial No. 286,248; published Sept. 3, 1929. Class 2.

Hirschman, Albert B., San Pedro, Calif. Laxative and purgative capsule. 264,154; Nov. 19; Serial No. 273,597; published Aug. 27, 1929. Class 6.

Hirschman, Albert B., San Pedro, Calif. Laxative capsule. 264,162; Nov. 19; Serial No. 273,596; published Aug. 27, 1929. Class 6.

H-Way Service Corporation, Milwaukee, Wis. Snowplows. 264,273; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 23.

Hoffman, Paul G. Co., Inc., Los Angeles, Calif. Automobiles. 264,296; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 19.

Hoover Mfg. Co., New York, N. Y. Coats, sweaters, uniforms, etc. 264,291; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 39.

House of Dollar Specials. (See Cornwall, Hamilton O.)

Hubbell, Harvey, Incorporated, Bridgeport, Conn. Electric flush receptacles, etc. 264,287; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 21.

Hyde Manufacturing Company, Southbridge, Mass. Kitchen knives and knife blades. 264,066; Nov. 19; Serial No. 287,079; published Sept. 10, 1929. Class 23.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Synthetic resins. 264,073; Nov. 19; Serial No. 286,482; published Sept. 3, 1929. Class 6.

Imperial Valley Grapefruit Growers, El Centro, Calif. Grapefruit. 264,250; Nov. 19; Serial No. 288,238; published Sept. 10, 1929. Class 42.

Iona Fabrics Corporation, New York, N. Y. Silk piece goods. 264,057; Nov. 19; Serial No. 288,238; published Sept. 10, 1929. Class 42.

Irwin, Neisler & Co., Decatur, Ill. Acetanilid derivative. 264,080; Nov. 19; Serial No. 287,533; published Sept. 3, 1929. Class 6.

Jaeger Watch Company, Inc., New York, N. Y. Watches and clocks. 264,129-30; Nov. 19; Serial Nos. 286,569-70; published Sept. 10, 1929. Class 27.

Juliette-Nanette Laboratory, Inc., St. Louis, Mo. Facial oil. 264,100; Nov. 19; Serial No. 285,780; published Sept. 3, 1929. Class 6.

Kafka, A. & Co. (See Thalheimer, Emanuel H.)

Kahn, D. H., Inc., New York, N. Y. Hair-protecting pads for use in permanent waving. 264,042; Nov. 19; Serial No. 286,639; published Sept. 10, 1929. Class 44.

Kajima, Motosada, doing business as Kajimaya Herb Tea Company, San Francisco, Calif. Herb tea. 264,235; Nov. 19; Serial No. 281,559; published Sept. 3, 1929. Class 6.

Kajimaya Herb Tea Company. (See Kajima, Motosada.)

Kalto Corporation, Brooklyn, N. Y. Talcum powder, cold cream, bath tablets, etc. 264,055; Nov. 19; Serial No. 284,541; published Aug. 27, 1929. Class 6.

Kaufmann, Erwin, St. Louis, Mo. Candles, cakes, candied and preserved fruits, and jellies. 264,221; Nov. 19; Serial No. 282,187; published Sept. 10, 1929. Class 46.

Kendall Company, The, Boston, Mass., and Chicago, Ill. Athletic supporter. 264,034; Nov. 19; Serial No. 287,662; published Sept. 10, 1929. Class 44.

Kendall Company, The, Boston, Mass., and Chicago, Ill. Athletic supporter. 264,243; Nov. 19; Serial No. 287,663; published Sept. 10, 1929. Class 44.

Kendall Company, The, Boston, Mass., and Chicago, Ill. Suspensory. 264,244-5; Nov. 19; Serial Nos. 287,664-5; published Sept. 10, 1929. Class 44.

Klock, Dr. G. A., Daytona Beach, Fla. Capsules. 264,277; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 6.

Koch, Leonhard, doing business as Koch & Te Kock, Oelsnitz, Vogtland, Germany. Carpets and stair carpets of textiles. 264,128; Nov. 19; Serial No. 286,181; published Sept. 10, 1929. Class 42.

Koenig, Herman J., Schenectady, N. Y. Confections. 264,037; Nov. 19; Serial No. 287,478; published Sept. 10, 1929. Class 46.

Kroeder-Rehner Aircraft Co., Inc., Hagerstown, Md. Airplanes. 264,202; Nov. 19; Serial No. 285,976; published Sept. 10, 1929. Class 19.

Kurtz & Son, Mifflinburg, Pa. Card-table covers and luncheon sets. 264,123; Nov. 19; Serial No. 286,885; published Sept. 10, 1929. Class 42.

Lactin Co., The, San Francisco, Calif. Sugar. 264,215; Nov. 19; Serial No. 288,574; published Sept. 3, 1929. Class 46.

La Mirada Company. (See Well, Ira O.)

Lawn Equipment Company, Corydon, Ind. Lawn trimmers. 264,069; Nov. 19; Serial No. 287,930; published Sept. 10, 1929. Class 23.

Levitz, Louis, doing business as "O-My" Bottling Co., Los Angeles, Calif. Malted milk prepared in beverage form. 264,035; Nov. 19; Serial No. 287,080; published Sept. 10, 1929. Class 46.

Lubin Perfumery Corporation, New York, N. Y. Toilet waters, face lotions, rouge, etc. 264,101; Nov. 19; Serial No. 285,782; published Aug. 27, 1929. Class 6.

Lund, Christian A., doing business as C. A. Lund Company, Hastings, Minn. Skis, toboggans, snowshoes, etc. 264,032; Nov. 19; Serial No. 287,418; published Sept. 3, 1929. Class 22.

MacKenney, W. B., doing business as W. B. MacKenney Co., Philadelphia, Pa. Ice cream. 264,217; Nov. 19; Serial No. 286,786; published Sept. 3, 1929. Class 46.

Mallagraph Equipment & Supply Company, The. (See Waldron, Walter J.)

Marletta Paint & Color Co., The, Marietta, Ohio. Prepared shellac preparation. 264,272; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 16.

Marmon Motor Car Company, Indianapolis, Ind. Automobiles. 264,223; Nov. 19; Serial No. 278,227; published Sept. 10, 1929. Class 19.

Massillon Refractories Company, The, Tuscarawas Township, Stark County, Ohio. Heat-treating blocks, refractory tubes, research-furnace doors, etc. 264,140; Nov. 19; Serial No. 254,639; published Sept. 10, 1929. Class 34.

Mayhew Steel Products, Inc., Shelburne Falls, Mass. Chisels, punches, pilers, etc. 264,187; Nov. 19; Serial No. 281,153; published Sept. 10, 1929. Class 23.

McConaty, James P., Denver, Colo. Lamp shades. 264,047; Nov. 19; Serial No. 283,340; published Sept. 10, 1929. Class 34.

McEwen, Irving, Omaha, Nebr. Liquid disinfectant, insecticide, and wood-preservation preparation. 264,255; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 6.

McEwen, Irving, Omaha, Nebr. Liquid insecticide preparation. 264,256; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn. Emulsion of petrolatum with malt. 264,094; Nov. 19; Serial No. 287,259; published Sept. 3, 1929. Class 6.

Medical Kartledge Company. (See Haas, Earle C.)

Mells Manufacturing Company, New York, N. Y. Candy. 264,061; Nov. 19; Serial No. 286,127; published Sept. 3, 1929. Class 46.

Merrillville Product Co. (See Wells, Eva M.)

Mescher, Chas. D., Inc., Long Island City, N. Y. Salad dressing. 264,184; Nov. 19; Serial No. 286,374; published Sept. 3, 1929. Class 46.

Messcher, Sebastian, doing business as Messcher Brokerage Co., Chicago, Ill. Canned fish and canned sea food. 264,222; Nov. 19; Serial No. 281,223; published Sept. 10, 1929. Class 46.

Messuri, A. & Son, New York, N. Y. Olive oil. 264,216; Nov. 19; Serial No. 286,578; published Sept. 3, 1929. Class 46.

Milgo Limited, doing business as Vi-Tone Company, Limited, Hamilton, Ontario, Canada. Tonic drink. 264,155; Nov. 19; Serial No. 274,167; published Dec. 4, 1928. Class 46.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Separable fasteners. 264,210; Nov. 19; Serial No. 285,684; published Sept. 10, 1929. Class 13.

Mitchell, E. O., & Bro., Perryman, Md. Canned vegetables. 264,056; Nov. 19; Serial No. 278,305; published Sept. 10, 1929. Class 46.

Mitsuwa Co., Inc., San Francisco, Calif. Toilet cream. 264,077; Nov. 19; Serial No. 286,787; published Sept. 3, 1929. Class 6.

Muralo Company, Inc., The, New Brighton, N. Y. Dry powder used as a plastic paint. 264,163-4; Nov. 19; Serial Nos. 283,643-4; published June 18, 1929. Class 16.

Mustad, O., & Son, Oslo, Norway. Fishhooks. 264,146; July 19; Serial No. 263,418; published Sept. 10, 1929. Class 22.

National Bellas Hess Co., Inc., New York, N. Y. Silk and cotton piece goods. 264,156; Nov. 19; Serial No. 274,886; published Sept. 10, 1929. Class 42.

National Cash Register Company, The, Dayton, Ohio. Accounting machines, adding typewriters, calculating machines, etc. 264,236-7; Nov. 19; Serial Nos. 281,615-16; published Sept. 10, 1929. Class 26.

National Screen Co. (See Dwyer, Leo E.)

National Sugar Refining Company of New Jersey, The, Jersey City, N. J., and New York, N. Y. Sugar. 264,189; Nov. 19; Serial No. 285,422; published Sept. 3, 1929. Class 46.

New Jersey Porcelain Company, Trenton, N. J. Plumbing fixtures. 264,209; Nov. 19; Serial No. 285,292; published Sept. 10, 1929. Class 13.

New Process Company, Warren, Pa. Men's leather shoes. 264,279; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 39.

Nonhof, Glen F., doing business as Avedene Pharmaceutical Co., Milwaukee, Wis. Medicine. 264,082; Nov. 19; Serial No. 286,074; published Aug. 27, 1929. Class 6.

Novoduc Corporation, Carlsbad, N. J. Solidified fuel. 264,086; Nov. 19; Serial No. 286,129; published Sept. 3, 1929. Class 6.

Olson, Oscar, Windom, Minn. Cleaner. 264,285; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 4.

"O-My" Bottling Co. (See Levitz, Louis.)

Oregon Supply Co., Richmond Hill, Long Island, N. Y. Malt syrup. 264,259; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 46.

Orth Laboratory Co., The, East Liverpool, Ohio. Stomach medicine. 264,088; Nov. 19; Serial No. 286,273; published Sept. 3, 1929. Class 6.

Osborn, C. & Co., London, England. Preserved fish meats and sauces. 264,158; Nov. 19; Serial No. 273,063; published Sept. 3, 1929. Class 46.

Outlet Embroidery Supply Co., Inc., New York, N. Y. Angora wool. 264,265; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 1.

Oxyborate Company, Inc., Buffalo, N. Y. Proprietary medicine. 264,099; Nov. 19; Serial No. 285,716; published Sept. 3, 1929. Class 6.

Paramount Famous Lasky Corporation, New York, N. Y. Motion-picture photoplays. 264,067; Nov. 19; Serial No. 287,840; published Sept. 10, 1929. Class 26.

Peabody, Henry W., & Co., New York, N. Y. Cigars. 264,060; Nov. 19; Serial No. 285,748; published Sept. 10, 1929. Class 17.

Pfeiffer, S. Mfg. Co., St. Louis, Mo. Medicinal preparation. 264,227; Nov. 19; Serial No. 284,872; published Sept. 3, 1929. Class 6.

Pneumatic Boat Corporation, Inc., Newark, N. J. Pneumatic boats, pneumatic rafts, pneumatic floats, etc. 264,303; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 46.

Polaner, M., & Son, Newark, N. J. Raspberry and currant preserves, grape jelly, peanut butter, etc. 264,214; Nov. 19; Serial No. 286,544; published Sept. 3, 1929. Class 46.

Pollen Laboratories. (See Smiley, Lester B.)

Powdered Vegetable Corporation, The, New York, N. Y. Bottled powdered vegetables. 264,171; Nov. 19; Serial No. 282,488; published Aug. 27, 1929. Class 46.

Pratt-Mallory Company, Sioux City, Iowa. Paper products. 264,301; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 37.

Priddy, Chas. W., & Company, Incorporated, Norfolk, Va. Chemical agricultural fertilizer. 264,059; Nov. 19; Serial No. 285,170; published Sept. 10, 1929. Class 10.

Prym, William, of America, Inc., New York, N. Y. Pins. 264,188; Nov. 19; Serial No. 287,727; published Sept. 10, 1929. Class 40.

Racine Feet Knitting Company, South Beloit, Ill. Ladies' stockings. 264,267; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 39.

Rap-Poo Laboratories, Inc., New York, N. Y. Preparation for treating the scalp. 264,092; Nov. 19; Serial No. 287,092; published Aug. 27, 1929. Class 6.

Ray-Brown Company, Inc., Woodburn, Oreg. Canned fruits and vegetables. 264,131; Nov. 19; Serial No. 286,591; published Aug. 20, 1929. Class 46.

Red Owl Stores, Incorporated, Minneapolis, Minn. Malt syrup. 264,170; Nov. 19; Serial No. 271,198; published Sept. 3, 1929. Class 46.

Red Sun Products Company, Chicago, Ill. Malt syrup. 264,185; Nov. 19; Serial No. 286,386; published Sept. 3, 1929. Class 46.

Red & White Corp'n., Buffalo, N. Y. Ammonia, baking powder, borax, etc. 264,089; Nov. 19; Serial No. 286,276; published Aug. 27, 1929. Class 6.

Reeves Manufacturing Company, The, Dover, Ohio. Stovepipes. 264,304; Nov. 19; Serial No. 286,980; published Sept. 3, 1929. Class 34.

Re-Nu Window Shade Company, San Francisco, Calif. Filter for window shades. 264,228; Nov. 19; Serial No. 278,601; published Aug. 27, 1929. Class 6.

Republic Motor Truck Company, Inc., Alma, Mich. Automobiles, motor trucks, motor lorries, and constructive parts thereof. 264,206; Nov. 19; Serial No. 286,795; published Sept. 3, 1929. Class 19.

Resistor Engineering Corporation, Tulsa, Okla. Non-corrosive pipe coating. 264,041; Nov. 19; Serial No. 285,887; published Sept. 10, 1929. Class 16.

Rheem Manufacturing Company, Emeryville, Calif. Steel drums and tanks. 264,137; Nov. 19; Serial No. 249,808; published Sept. 3, 1929. Class 2.

Richter Brothers, New York, N. Y. Fish preserves, fish delicacies, and fish paste. 264,122; Nov. 19; Serial No. 286,592; published Sept. 10, 1929. Class 46.

Roberts and Oake, Inc., Chicago, Ill. Mayonnaise, French and Thousand Island dressing, and sandwich relish. 264,178; Nov. 19; Serial No. 286,508; published Sept. 3, 1929. Class 46.

Roe, A. V., & Company Limited, Manchester, England. Aeroplanes, seaplanes, hydroplanes, etc. 264,212; Nov. 19; Serial No. 283,757; published Sept. 3, 1929. Class 19.

Rosemond Cosmetic Co., Los Angeles, Calif. Cosmetics. 264,147; Nov. 19; Serial No. 265,568; published Sept. 3, 1929. Class 6.

Rosoff, Max, Brooklyn, N. Y. Hair tonic, depilatory, skin lotion, etc. 264,074; Nov. 19; Serial No. 286,656; published Sept. 3, 1929. Class 6.

Ross, Wyatt T., Madison, Ill. Pharmaceutical preparation. 264,083; Nov. 19; Serial No. 286,080; published Aug. 27, 1929. Class 6.

Ruble Blade Corporation, New York, N. Y. Razor blades. 264,062; Nov. 19; Serial No. 287,889; published Sept. 10, 1929. Class 23.

Rubinstein, Helena, Inc., New York, N. Y. Preparation to give a tanned appearance. 264,229; Nov. 19; Serial No. 278,909; published Sept. 3, 1929. Class 6.

S. O. S. Products Co. (See Unterman, William.)

San Dimas Orange Growers Association, San Dimas, Calif. Fresh citrus fruits. 264,253; Nov. 19; Class 46.

Scher, Morris M., Baltimore, Md. Fancy woolen worsted suiting in the piece. 264,173; Nov. 19; Serial No. 283,703; published Sept. 10, 1929. Class 42.

Schroer, William J., doing business as Hed-Eze Remedy Co., Rochester, N. Y. Medicine for headache. 264,248; Nov. 19; Class 6.

Schicht, George A. G., Aussig, Czechoslovakia. Glycerine. 264,230; Nov. 19; Serial No. 279,393; published Sept. 3, 1929. Class 6.

Schultz, Hyman, doing business as Schultz and Company, Terre Haute, Ind. Hats and caps, coats, etc. 264,293; Nov. 19; Class 39.

Schwartzmann, I., & Company, Inc., Baltimore, Md. Ladies' apparel. 264,299; Nov. 19; Class 39.

Sears & Nichols Corporation, The, doing business as The Sears & Nichols Company and The Sears & Nichols Canning Company, Chillicothe, Ohio. Canned vegetables. 264,159; Nov. 19; Serial No. 273,259; published Sept. 10, 1929. Class 46.

Sears & Nichols Corporation, The, Chillicothe, Ohio. Canned vegetables, fruits, catsup, and chili sauce. 264,160; Nov. 19; Serial No. 273,265; published Sept. 10, 1929. Class 46.

Senter, J. P., and Company. (See Delay-Senter Company.)

Shwarts, Joseph, Dallas, Tex. Toys. 264,044; Nov. 19; Serial No. 287,159; published Sept. 10, 1929. Class 22.

Silverman, L. E., doing business as Colonial Products Co., Des Moines, Iowa. Malt extract. 264,186; Nov. 19; Serial No. 286,389; published Sept. 3, 1929. Class 46.

Silfen Chemical Co. (See Silver, Benjamin D.)

Silver, Benjamin D., doing business as Silfen Chemical Co., New Haven, Conn. Capsules for prevention of colds, etc. 264,087; Nov. 19; Serial No. 286,136; published Aug. 27, 1929. Class 6.

Smiley, Lester B., doing business as Pollen Laboratories, Fort Wayne, Ind. Medicine. 264,071; Nov. 19; Serial No. 285,534; published Sept. 3, 1929. Class 6.

Smith, Frederick A. V., doing business as Upsher Smith Company, Minneapolis, Minn. Folia digitals and thurecture digitals. 264,109; Nov. 19; Serial No. 287,021; published Aug. 27, 1929. Class 6.

Sokolonsky, Mary, Canton, Ohio. Ointment. 264,075; Nov. 19; Serial No. 286,663; published Sept. 3, 1929. Class 6.

Southern California Supply Co., Inc., The, Los Angeles, Calif. Spices, candied peel, mince meat, etc. 264,149; Nov. 19; Serial No. 267,015; published Sept. 3, 1929. Class 46.

Speas Manufacturing Co., Kansas City, Mo. Vinegar. 264,161; Nov. 19; Serial No. 273,476; published Sept. 10, 1929. Class 46.

Spicer and Company, Inc., Glendale, Calif. Preparation for use against syphilis. 264,084; Nov. 19; Serial No. 286,084; published Sept. 3, 1929. Class 6.

Strombeck-Becker Manufacturing Company, Moline, Ill. Mechanical toys. 264,040; Nov. 19; Serial No. 285,795; published Sept. 3, 1929. Class 22.

Super Chemical Products Co. (See Blau, Emanuel T.)

Susquehanna Silk Mills, New York, N. Y. Silk piece goods. 264,283; Nov. 19; Class 42.

Thalheimer, Emanuel H., doing business as A. Kafka & Co., New Haven, Conn. Cigars. 264,174; Nov. 19; Serial No. 284,422; published Sept. 10, 1929. Class 17.

Theonett & Co., Inc., Chicago, Ill. Beverages and syrups and extracts for making the same. 264,157; Nov. 19; Serial No. 271,324; published Oct. 9, 1928. Class 45.

Thomas, Lily A., doing business as L. A. Thomas & Co., Union City, N. J. Witch-hazel and massage cream. 264,233; Nov. 19; Serial No. 282,073; published Sept. 3, 1929. Class 6.

Tipton, E. D., doing business as U-Neek Products Company, Chicago, Ill. Hop-flavored malt powder. 264,179; Nov. 19; Serial No. 286,521; published Sept. 10, 1929. Class 46.

Tobe Deutschmann Corporation, Canton, Mass. A-battery eliminators. 264,284; Nov. 19; Class 21.

Toyo Seikan Kaishiki Kaisha, Osaka, Japan. Canned meats. 264,150; Nov. 19; Serial No. 288,065; published Sept. 10, 1929. Class 46.

Tuba Balls Corporation, Chicago, Ill. Golf and tennis balls. 264,030; Nov. 19; Serial No. 287,783; published Sept. 10, 1929. Class 22.

Tuba Balls Corporation, Chicago, Ill. Golf and tennis balls. 264,246; Nov. 19; Serial No. 287,782; published Sept. 10, 1929. Class 22.

U-Neek Products Company. (See Tipton, E. D.)

Uniform Products Company, Inc., New York, N. Y. Insecticides. 264,079; Nov. 19; Serial No. 287,550; published Sept. 3, 1929. Class 6.

United States Hoffman Machinery Corporation, New York, N. Y. Garment presses. 264,141; Nov. 19; Serial No. 259,702; published Sept. 3, 1929. Class 24.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Disinfectant, deodorant, and insecticide. 264,096; Nov. 19; Serial No. 287,506; published Sept. 3, 1929. Class 6.

Unterman, William, doing business as S. O. S. Products Co., Brooklyn, N. Y. Headache tablets. 264,078; Nov. 19; Serial No. 286,805; published Sept. 3, 1929. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Product for treatment of boils and similar conditions of the skin. 264,093; Nov. 19; Serial No. 287,213; published Sept. 3, 1929. Class 6.

Upsher Smith Company. (See Smith, Frederick A. U.)

Vaen Vereinigte Pfeifenfabriken Vorm. Gebhard Ott und Zleuer & Ellenberger Aktiengesellschaft, Nuremberg, Germany. Tobacco pipes, parts of pipes, etc. 264,251; Nov. 19; Class 8.

Vitacocoa Company, The. (See Gludiel, Samuel E.)

VI-Tone Company, Limited. (See Milgo Limited.)

Vogue Rubber Company, Chicago, Ill. Rubber tires. 264,145; Nov. 19; Serial No. 262,008; published Feb. 26, 1929. Class 35.

Waldron, Walter J., doing business as The Mallagraph Equipment & Supply Company, Brooklyn, N. Y. Typewriter ribbons, addressograph and multigraph ribbons. 264,105; Nov. 19; Serial No. 288,098; published Sept. 10, 1929. Class 11.

Wallfill Co., The, Chicago, Ill. Heat, sound, and combustion insulating materials. 264,271; Nov. 19; Class 12.

Webster, William A., Company, Memphis, Tenn. Dental cream and antiseptic mouth wash. 264,076; Nov. 19; Serial No. 286,700; published Sept. 3, 1929. Class 6.

Webster, William A., Company, The, Memphis, Tenn. Dental creams. 264,095; Nov. 19; Serial No. 287,388; published Sept. 3, 1929. Class 6.

Well, Ira O., doing business as La Mirada Company, Chicago, Ill. Olives, marmalade, fruit preserves, etc. 264,181; Nov. 19; Serial No. 285,645; published Sept. 10, 1929. Class 46.

Wells, Eva M., doing business as Merrillea Product Co., Bakersfield, Calif. Sauce for steak, fish, roasts, and the like. 264,213; Nov. 19; Serial No. 286,524; published Sept. 3, 1929. Class 46.

Western Clock Company, Peru, Ill. Clocks and watches. 264,113; Nov. 19; Serial No. 287,725; published Sept. 10, 1929. Class 27.

White, John S., Bronx, N. Y. Radio antennae wire. 264,294; Nov. 19; Class 21.

Williams, J. H., & Co., Buffalo, N. Y. Pipe tongs. 264,068; Nov. 19; Serial No. 287,897; published Sept. 10, 1929. Class 23.

Wilson, Andrew, Inc., Springfield, N. J. Insecticide. 264,108; Nov. 19; Serial No. 286,967; published Sept. 3, 1929. Class 6.

Wilson-Western Sporting Goods Company, Chicago, Ill. Golf clubs. 264,033; Nov. 19; Serial No. 287,515; published Sept. 3, 1929. Class 22.

Wilson-Western Sporting Goods Company, Chicago, Ill. Golf balls. 264,175; Nov. 19; Serial No. 278,201; published Mar. 12, 1929. Class 22.

Wilson-Western Sporting Goods Company, Chicago, Ill. Golf clubs and tennis rackets. 264,176; Nov. 19; Serial No. 278,202; published Mar. 12, 1929. Class 22.

Worumbo Manufacturing Company, Bath, Me. Woolen fabrics. 264,106; Nov. 19; Serial No. 288,099; published Sept. 10, 1929. Class 42.

Zatarain, E. A., & Sons, Incorporated, New Orleans, La. Pepper sauce, prepared mustard, hot relish, etc. 264,220; Nov. 19; Serial No. 279,514; published Sept. 10, 1929. Class 46.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

A B C Bread & Baking Company, Sheffield, Ala. A B C. For Bread. 36,641; Nov. 19.

Andersen, Charles M., doing business as Andersen Specialty Co., Chicago, Ill. Andersen's Tee-Stone. For Preparation to be Used in Filling Cracks and Crevices in Iron and Stone, and to Replace Decayed Wood. 36,642; Nov. 19.

Arcadia Cigar Co., Milwaukee, Wis. Theodore Roberts. For Cigars. 36,643; Nov. 19.

Associated Meat Company of California, Los Angeles, Calif. La Verne. For Smoked Meats. 36,644; Nov. 19.

Asthmatone Company, The, Minneapolis, Minn. Asthma-tone. For Preparation for the Treatment of Asthma. 36,645; Nov. 19.

Booth, J. S., Dallas, Tex. Stone-Kraft. For Paint. 36,646; Nov. 19.

Brown, Harry R., Los Angeles, Calif. Clean 'Em Quick Auto Polish. For Auto Polish. 36,647; Nov. 19.

Caravan Company, The, West Orange, N. J. Caravan. For Pitted Dates. 36,648; Nov. 19.

Dé Valée, Inc., Landsdale, Pa. Dé Valée. For Hosiery. 36,649; Nov. 19.

Gamson, Inc., New York, N. Y., and Philadelphia, Pa. Gama Llama Cloth. For Cloth. 36,650; Nov. 19.

Glowacki, Chester, doing business as McKees Rocks Baking Co., McKees Rocks, Pa. McKees Rocks Baking Co. Famous Bread. For Bread. 36,651; Nov. 19.

Hayden, Franklin O., Morgantown, W. Va. Shy-M Auto Polish. For Auto and Furniture Polish. 36,652; Nov. 19.

Karbrite System. (See Levey, William B.)

Kolster Radio Corporation, Newark, N. J. Kolster Radio. For a Radio Receiving Set. 36,653; Nov. 19.

Leitson, Israel, doing business as Michigan Baking Company, Flint, Mich. Leitson's Rye Bread. For Bread. 36,654; Nov. 19.

Levey, William B., doing business as Karbrite System, Chicago, Ill. Karbrite Auto Laundries. For a Preparation for Cleaning, Finishing, and Polishing Automobiles. 36,655; Nov. 19.

McKees Rocks Baking Co. (See Glowacki, Chester.)

Michigan Baking Company. (See Leitson, Israel.)

Mosquides, Constantinos, Youngstown, Ohio. Cactus Plant. For a Medicine. 36,656; Nov. 19.

Mutual Fruit Distributors, Wenatchee, Wash. Green Line. For Fresh Apples. 36,657; Nov. 19.

Mutual Fruit Distributors, Wenatchee, Wash. Blue Line. For Fresh Apples. 36,658; Nov. 19.

Pratt-Low Preserving Company, Santa Clara, Calif. Pratt-Low Brand Yellow Cling Peaches. For Canned Peaches. 36,659; Nov. 19.

Pratt-Low Preserving Company, Santa Clara, Calif. Rag Doll Brand Peach Compote. For Canned Peaches. 36,660; Nov. 19.

Pratt-Low Preserving Company, Santa Clara, Calif. Pratt-Low Brand Fancy California Vegetables for Salad. For Vegetable Salad. 36,661; Nov. 19.

Restoria Corporation, Milwaukee, Wis. Restoria. For Medicine. 36,662; Nov. 19.

Shafel, Howard, Brooklyn, N. Y. Royal de Luxe. For Cigars. 36,663; Nov. 19.

Silver's Home Supply, Brooklyn, N. Y. Golden Ray Malt Extract. For Malt Extract. 36,664; Nov. 19.

Taylor, G. C., Co., Fairport, N. Y. Taylor Oil Liniment. For Liniment. 36,665; Nov. 19.

Trade Lithograph & Printing Company, Inc., New York, N. Y. Sunnyfield Fashion Caps. For Caps. 36,666; Nov. 19.

Trade Lithograph & Printing Company, Inc., New York, N. Y. Rogan Caps. For Caps. 36,667; Nov. 19.

Wuppermann, J. W., Angostura Bitters Agency, Inc., New York, N. Y. Angostura Dry. For Ginger Ale. 36,668; Nov. 19.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

American Flyer Mfg. Co., Chicago, Ill. The Sky King. For Toy Airplanes. 12,185; Nov. 19.

American Flyer Mfg. Co., Chicago, Ill. The Lone Eagle. For Toy Airplanes. 12,186; Nov. 19.

American Flyer Mfg. Co., Chicago, Ill. The Minute Man. For Toy Electric Railway Trains. 12,187; Nov. 19.

American Flyer Mfg. Co., Chicago, Ill. The Warrior. For Toy Electric Railway Trains. 12,188; Nov. 19.

American Flyer Mfg. Co., Chicago, Ill. The Ranger. For Toy Electric Railway Trains. 12,189; Nov. 19.

American Flyer Mfg. Co., Chicago, Ill. Old Ironsides. For Toy Electric Railway Trains. 12,190; Nov. 19.

American Flyer Mfg. Co., Chicago, Ill. The Pathfinder. For Toy Electric Railway Trains. 12,191; Nov. 19.

American Flyer Mfg. Co., Chicago, Ill. The Lone Scout. For Toy Electric Railway Trains. 12,192; Nov. 19.

Aufenger Studios Incorporated, Norfolk and Roanoke, Va. Rufenger Studios, Inc. For Portraits. 12,193; Nov. 19.

Brown Durrell Company, Boston, Mass. When You Buy Your Next Stockings. For Gordon Hosiery. 12,194; Nov. 19.

Brown Durrell Company, Boston, Mass. For Each . . . Her Own Individually-Proportioned Stockings. For Hosiery. 12,195; Nov. 19.

Brown Durrell Company, Boston, Mass. Short, Average, Or Long Legs . . . Plump or Slender Legs . . . Now Each Has a Gordon Individually-Proportioned Stocking. For Hosiery. 12,196; Nov. 19.

Cream of Wheat Corporation, The, Minneapolis, Minn. Stephen B. Elkins, III—a Skillful Horseman at Twelve. For Wheat Breakfast Food. 12,197; Nov. 19.

Heinz, H. J., Company, Pittsburgh, Pa. Home from School—And Hungry. For Heinz 57 Varieties. 12,198; Nov. 19.

Hermann Manufacturing Company, The, doing business as Hermann, Lancaster, Ohio. Hermann. For Machinery Used in Refining Paper and Pulp. 12,199; Nov. 19.

Hollywood Candy Co. (See Martocchio, F. A., Company.)

Ideal Novelty & Toy Co., Brooklyn, N. Y. Babette. For Dolls. 12,200; Nov. 19.

Marcus & Company, New York, N. Y. Caravan. For Jewelry. 12,201; Nov. 19.

Marcus & Company, New York, N. Y. In The Sporting Manner for the Sportswoman. For Jewelry. 12,202; Nov. 19.

Marcus & Company, New York, N. Y. The Stone of Heaven. For Jewelry. 12,203; Nov. 19.

Martocchio, F. A., Company, doing business as Hollywood Candy Co., Minneapolis, Minn. Milk Shake. For Candy Bars. 12,204; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. It's Your Opinion That Interests Us Because We Make Camels for You to Smoke and Enjoy. For Cigarettes. 12,205; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Moments That Matter. For Cigarettes. 12,206; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. It's All The Same to Me—Just So I Get a Camel. For Cigarettes. 12,207; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Good Lines. For Cigarettes. 12,208; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. The Art of Gracious Living. For Cigarettes. 12,209; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Pleasure Redoubled. For Cigarettes. 12,210; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. While Waiting. For Cigarettes. 12,211; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Good Taste Will Always Discover Camels. For Cigarettes. 12,212; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Plenty Hoopla Tonight . . . 27-3. For Cigarettes. 12,213; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. A Cigarette to Respect and Enjoy. For Cigarettes. 12,214; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. On-Pleasure Bent. For Cigarettes. 12,215; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Back Stage. For Cigarettes. 12,216; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Thrilling. For Cigarettes. 12,217; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Not Lightly Chosen. For Cigarettes. 12,218; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Now It's Unanimous. For Cigarettes. 12,219; Nov. 19.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Just Another Good Thing Added to the Other Good Things of Life. 12,220; Nov. 19.

Willson Products, Inc., Reading, Pa. Willson Goggles. For Goggles. 12,221; Nov. 19.

Willson Products, Inc., Reading, Pa. Children's Sun Glasses. For Children's Sun Glasses. 12,222; Nov. 19.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Altken, Son & Co., New York, N. Y. Cloaks, skirts, dresses, and waists. 278,581; Nov. 19. Class 39.
Aktiengesellschaft Hommel's Haematogen, Zurich, Switzerland. Blood-forming and blood-invigorating preparations. 286,730; Nov. 19. Class 6.
Aktiengesellschaft vorm. Seidel & Naumann, Dresden, Germany. Typewriters. 290,644; Nov. 19. Class 23.
Albrant, William S., doing business as Altru Woolen Company, Minneapolis, Minn. Underwear and hosiery, sweaters, shirts, etc. 282,511; Nov. 19. Class 39.
Allen, R. W., Inc., Sacramento, Calif., and Salt Lake City, Utah. Root beer and concentrates and syrups for making root beer. 289,332; Nov. 19. Class 45.
Altru Woolen Company. (See Albrant, William S.)
Alonso, Jose Y., doing business as La Norma Coffee Mills, Tampa, Fla. Coffee. 290,921; Nov. 19. Class 46.
American Chile Company, Long Island City, N. Y. Chewing gum. 290,922-3; Nov. 19. Class 46.
American Dismount Company, Gloucester, N. J., and Philadelphia, Pa. Treated diatomaceous earth. 286,353-4; Nov. 19. Class 1.
American Road Machinery Company, Kennett Square, Pa. Mobile gravel-crushing plants. 290,989; Nov. 19. Class 23.
Arabian Products. (See Naccache, Maurice)
Arlette, Inc., Louisville, Ky. Solution for use in waving hair. 280,980; Nov. 19. Class 6.
Athletic Tea Company, Inc., St. Louis, Mo. Compound of coffee, cereal, and chicory. 278,629; Nov. 19. Class 46.
Autographic Register Company, Hoboken, N. J. Plain lithographed and printed paper strips, leaves, and sheets. 290,929-32; Nov. 19. Class 37.
Baby Bonds, Pueblo, Colo. Trade coupons. 288,414; Nov. 19. Class 38.
Bakerman, Milton S., doing business as Dr. Marvin's Laboratory, Philadelphia, Pa. Rheumatic tablets. 290,775; Nov. 19. Class 6.
Bamberger, L. & Co., Newark, N. J. Liquid antiseptics and disinfectants, bath salts, hair bleach, etc. 290,299; Nov. 19. Class 6.
Barclay, Dorothy M., Pulaski, N. Y. Butter, milk, cream, etc. 276,361; Nov. 19. Class 46.
Barreña, José, Madrid, Spain. Brilliantines. 286,734-5; Nov. 19. Class 6.
Bell, W. P., & Company, Nashville, Tenn. Seed grains. 290,004; Nov. 19. Class 1.
Beltz Corporation, St. Louis, Mo. Sanitary belt. 289,567; Nov. 19. Class 44.
Benjamin, Frank P., doing business as The Vapro Company, Scranton, Pa. Medicinal ointment. 289,661; Nov. 19. Class 6.
Bergeron, Eliza M., Ludlow, Mass. Medicine. 283,268; Nov. 19. Class 6.
Bernhardt, H. A., Inc., Chicago, Ill. Sanitary ash receivers. 290,680; Nov. 19. Class 8.
Bishop, Helen E., doing business as The Pilgren Company, New York, N. Y. Tonic laxative tablets. 289,333; Nov. 19. Class 6.
Blackwood Coal & Coke Company, Philadelphia, Pa. Coal. 289,568; Nov. 19. Class 1.
Bond Chemical Co. (See Harford, Earl R.)
Bouthilet, John A., doing business as The Pioneer Products Co., St. Paul, Minn. Cane and maple table syrup. 281,899; Nov. 19. Class 46.
Boyce Extract Co., assignor to Fred Fear & Co., of Brooklyn, N. Y. Raspberry syrups, strawberry syrups, etc. 253,133; Nov. 19. Class 45.
Boye, James H., Manufacturing Co., Chicago, Ill. Metal clothes-closet poles or hanger fixtures. 284,669; Nov. 19. Class 13.
Bradford Dyers' Association, Limited, The, Bradford, England. Woolen piece goods. 289,439; Nov. 19. Class 42.
Brasco Manufacturing Company, Chicago, Ill. Metal store-front sash, metal jambs, transoms, etc. 285,705; Nov. 19. Class 12.
Brearley, Robert, & Son, Limited, Batley, England. Piece goods. 288,000; Nov. 19. Class 42.
Bronx Battery Service Station. (See Kleinberg Bros.)
Bungarzan, Michael, Cleveland, Ohio. Healing salve. 290,817; Nov. 19. Class 6.
Butler Brothers, Chicago, Ill. Men's and boys' overalls. 290,545; Nov. 19. Class 39.
C-E-Z Company, New York, N. Y. Glass linefinders. 251,543; Nov. 19. Class 37.
Campbell-Washburn Chemical Co., New York, N. Y. Composition for removing stains from the skin. 290,008; Nov. 19. Class 6.
Capitol Fur Shop, Inc., Washington, D. C. Ladies' fur garments, coats, and neck pieces or scarfs. 286,531; Nov. 19. Class 39.
Chicago Mill and Lumber Corporation, Chicago, Ill. Fibre boards. 289,504-5; Nov. 19. Class 12.

Chicago White Lead & Oil Co., The, Chicago, Ill. Dry paint colors, ready-mixed paints, wood fillers, etc. 285,811; Nov. 19. Class 16.
Chicago White Lead & Oil Co., The, Chicago, Ill. Liquid paint, automobile paints, calcimine, wood stains, etc. 285,812; Nov. 19. Class 16.
Cho-Co Aspirin Co. (See Hames, Edward G.)
Classon Knitting Mills, Inc., New York, N. Y. Knitted underwear, ties, sweaters, gloves, etc. 283,256; Nov. 19. Class 29.
Clere Clothing Company, Inc., Syracuse, N. Y. Men's and young men's clothing. 286,307; Nov. 19. Class 39.
Colquitt, Walter L., doing business as H. H. Toilettries Co., Baltimore, Md. After-shaving cream, lotion, massage cream, and toilet powder. 289,227; Nov. 19. Class 6.
Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Revolvers. 273,185; Nov. 19. Class 9.
Connecticut Clasp Company, The, Bridgeport, Conn. Corset steels. 289,007; Nov. 19. Class 40.
Continental Paper & Bag Corporation, New York, N. Y. Toilet paper. 290,305; Nov. 19. Class 37.
Continental Steel Corporation, Kokomo and Indianapolis, Ind., and Canton, Ohio. Rolled steel and wire. 286,552; Nov. 19. Class 14.
Cooper Rain Wear Mfg. Co., New York, N. Y. Raincoats. 290,208; Nov. 19. Class 39.
Cork Floor Products Co., Portland, Ore. Waterproof linoleum cement, adhesive waterproof cork-tile cement, etc. 286,224; Nov. 19. Class 5.
Coty, Inc., Wilmington, Del., and New York, N. Y. Cleansing cream, liquid tonic for the skin, tissue cream, etc. 289,509; Nov. 19. Class 6.
Crandall, Pierce & Co., Chicago, Ill. Publication. 289,510; Nov. 19. Class 38.
Cristallerie de Choisy le Roi et de Lyon, Choisy-le-Roi, France. Tableware and perfume flasks and bottles. 277,695; Nov. 19. Class 33.
"Cristallo" A. G., Thun, Switzerland. Pastry, butter, cocoa, etc. 289,964; Nov. 19. Class 46.
Crucible Steel Company of America, New York, N. Y. Air-hardening tool steel. 290,554; Nov. 19. Class 14.
Crusius, Edward L., Interlaken, N. J. Miniature golf courses and paraphernalia therefor. 290,056; Nov. 19. Class 22.
Crystal Palace Market. (See Van Erp, Arnold.)
Cumberland Raincoat Company, Jellico, Tenn. Raincoats. 283,092; Nov. 19. Class 39.
Darwin, William G., Hope, Ark. Canned fruits and vegetables. 290,309; Nov. 19. Class 46.
Davy Fuel & Supply Company, Detroit, Mich. Wood lath. 282,775; Nov. 19. Class 12.
Digestive Ferments Company, Detroit, Mich. Solution of the whole pituitary body. 290,890; Nov. 19. Class 6.
Dorothy Frocks Company. (See Schwartz, Charles.)
Drucker, Samuel B., doing business as Visa Company, New York, N. Y. Mayonnaise products. 274,597; Nov. 19. Class 46.
Duette Manufacturing Company, Chicago, Ill. Dry-cleaning and laundry washing machines. 289,967; Nov. 19. Class 24.
Durable Knitting Mills, Philadelphia, Pa. Sweaters and sweater coats. 290,211; Nov. 19. Class 39.
Duro Manufacturing Co., Inc., The, New Haven, Conn. Nonliquid fuel for cigars and cigarette lighters. 289,576; Nov. 19. Class 6.
E-W Products Company. (See Strange, R. R., Jr.)
Edmond Laboratories, Inc., Philadelphia, Pa. Hair-coloring compounds. 290,891; Nov. 19. Class 6.
Edros Natural Health Inst., Inc., New York, N. Y. Non-medicinal laxatives. 290,346; Nov. 19. Class 6.
Electric Mfg. Co., The, San Francisco, Calif. Electric hair dryers. 281,726; Nov. 19. Class 44.
Empire State Pickling Co., Phelps, N. Y. Canned sauerkraut. 289,671; Nov. 19. Class 46.
Eno Rubber Corporation, Los Angeles, Calif. Rubber coin mats. 289,880; Nov. 19. Class 50.
Eno Rubber Corporation, Los Angeles, Calif. Rubber floor mats. 289,881; Nov. 19. Class 50.
Eno Rubber Corporation, Los Angeles, Calif. Rubber golf-stick tips. 289,883; Nov. 19. Class 22.
Everett Pulp and Paper Company, Everett, Wash. Papers, news pads, tablets, etc. 280,835; Nov. 19. Class 37.
Excelsior Underwear Company, Inc., New York, N. Y. Men's underwear and pajamas. 290,248-9; Nov. 19. Class 39.
Fear, Fred, & Co. (See Boyce Extract Co.)
Federated Business Publications, Inc., New York, N. Y. Periodical or trade paper. 290,062; Nov. 19. Class 38.
Fertel, Harry D., New York, N. Y. Coats. 290,018; Nov. 19. Class 39.
Fillene's, Wm., Sons Company, Boston, Mass. Implements, apparatus, and articles used in tennis, golf, etc.; rubber beach toys, roller skates, etc. 280,722; Nov. 19. Class 22.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

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Fillene's, Wm., Sons Company, Boston, Mass. Iodine pencils, disinfectants, rubbing alcohol, etc. 289,729; Nov. 19. Class 6.
Fillene's, Wm., Sons Company, Boston, Mass. Surgical pads, surgical basins, bedpans, etc. 289,731; Nov. 19. Class 44.
Fillene's, Wm., Sons Company, Boston, Mass. Refrigerators. 289,733; Nov. 19. Class 31.
Fillene's, Wm., Sons Company, Boston, Mass. Children's picture books and story books, mottoes, etc. 289,739; Nov. 19. Class 38.
Fillene's, Wm., Sons Company, Boston, Mass. Baby foods, preserves, and olive oil. 289,742; Nov. 19. Class 46.
Finchley Inc., New York, N. Y. Capes, coats, suits, dresses, etc. 282,108; Nov. 19. Class 39.
Fischer, B. & Co., Inc., New York, N. Y. Tea. 290,944; Nov. 19. Class 46.
Flatbush Gum Company, Inc., Brooklyn, N. Y. Chewing gum. 278,165; Nov. 19. Class 46.
Folding Products Corporation, Chicago, Ill. Extensible curtains. 289,673; Nov. 19. Class 12.
Ford Motor Company, Fordson, Mich. Paints, paint enamels, varnishes, etc. 272,328; Nov. 19. Class 16.
Forsell Baking Company, Minneapolis, Minn. Bread. 290,750; Nov. 19. Class 46.
Gale, Fletcher C., doing business as San-I-Ti Tooth Brush Co., Poncaire, Okla. Toothbrushes. 290,063; Nov. 19. Class 29.
Gamble, Robert A., Petersburg, Va. Liver pills. 288,612; Nov. 19. Class 6.
Garden City Fruit Products Co., The. (See McCullough, J. H.)
Geeben, Albert B., doing business as Handy Mandy Products Co., Blue Island, Ill. Can openers and holders and bottle openers. 290,829; Nov. 19. Class 23.
Gerald-Dorman, Inc., Brooklyn, N. Y. Olive oil, olives, canned fish, etc. 290,020; Nov. 19. Class 46.
Goldberg, Isidore E., doing business as Ideal Malt & Supply Co., Cleveland, Ohio. Malt syrup. 289,071; Nov. 19. Class 46.
Goldberg Seed & Feed Company, Fargo, N. Dak. Seeds. 289,514; Nov. 19. Class 1.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires, trends, inner tubes, etc. 288,594-5; Nov. 19. Class 35.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Tire and tube repair outfits, rubber plugs, patching cement, etc. 289,351; Nov. 19. Class 35.
Gotham Tissue Corporation, New York, N. Y. Toilet paper and paper facial tissues. 289,109; Nov. 19. Class 37.
Gotham Tissue Corporation, New York, N. Y. Toilet paper and paper facial tissues. 289,625; Nov. 19. Class 37.
Graham, Elton R., doing business as Graham Chemical Co., Detroit, Mich. Skin ointment. 281,557; Nov. 19. Class 6.
Great Western Store Company, Leavenworth, Kans. Gas appliances. 289,584; Nov. 19. Class 34.
Guastella, Joseph, New Orleans, La. Roasted coffee and chicory compound. 290,811; Nov. 19. Class 46.
Gude's, Inc., Los Angeles, Calif. Shoes. 289,072; Nov. 19. Class 39.
Gulden, Ira, New York, N. Y. Watch crystals. 290,948; Nov. 19. Class 33.
H. H. Toilettries Co. (See Colquitt, Walter L.)
Haartz-Mason Rubber Manufacturing Company, Watertown, Mass. Rubberized fabrics. 289,971; Nov. 19. Class 50.
Halfhill Company, The, Los Angeles, Calif. Tomato paste. 290,461; Nov. 19. Class 46.
Hall, E. C., Company, also doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass. Coffee, tea, canned fruits, etc. 278,348; Nov. 19. Class 46.
Hammersley Manufacturing Co., The, Garfield, N. J. Paper. 283,530-1; Nov. 19. Class 37.
Hames, Edward G., doing business as Cho-Co Aspirin Co., St. Paul, Minn., and Chicago, Ill. Chocolate-covered aspirin. 290,065; Nov. 19. Class 6.
Hamilton Watch Company, Lancaster, Pa. Watch dials. 289,925; Nov. 19. Class 27.
Handy Mandy Products Co. (See Geeben, Albert B.)
Hanton & Goodman Co., Belleville, N. J. Brushes and dusters. 290,251; Nov. 19. Class 29.
Harford, Earl R., doing business as Bond Chemical Co., Middletown, N. Y. Disinfectant and germicide. 289,830; Nov. 19. Class 6.
Harvey, L. S., Ottumwa, Iowa. Mattress beverages and concentrates for making the same. 289,186; Nov. 19. Class 45.
Head, Alice J. T., Birmingham, Ala. Books and pamphlets. 287,517; Nov. 19. Class 38.
Hendrickson, J. O., doing business as Lena-May's Laboratories, Shawnee, Okla. Cold cream and hand bleach. 290,903; Nov. 19. Class 6.
Heyden Chemical Corporation, New York, N. Y. Cosmetics, toilet creams, alcoholic lotions, etc. 289,932; Nov. 19. Class 6.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 290,365; Nov. 19. Class 42.
Holland Dutch Delicatessen Stores. (See Van Erp, Arnold.)
Hoosier Manufacturing Company, The, New Castle, Ind. Dining tables. 291,006; Nov. 19. Class 32.
Hopkins, J. L. & Co., New York, N. Y. Vegetable laxative. 284,068; Nov. 19. Class 6.
Horton, William J., Raleigh, N. C. Preparation for the treatment of tuberculosis and lung affection. 289,679; Nov. 19. Class 6.
I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Cotton, linen, silk, and wool woven and netted goods, etc. 287,182; Nov. 19. Class 42.
I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Perfumes and essential oils. 287,744; Nov. 19. Class 6.
Ichthyol Co., The, Rahway, N. J. Medicinal solution and pharmaceutical preparation. 285,155; Nov. 19. Class 6.
Ideal Malt & Supply Co. (See Goldberg, Isidore E.)
Independent Trouser Co. Inc., New York, N. Y. Suits, overcoats, trousers, and knickers. 284,857; Nov. 19. Class 39.
Jaco, J. R., Doniphan, Mo. Metal polish. 289,519; Nov. 19. Class 4.
Johansen Bros. Shoe Company, St. Louis, Mo. Shoes. 289,114; Nov. 19. Class 39.
Karlsberg-Kilster Co. Inc., Rockford, Ill. Adhesive cements. 288,654; Nov. 19. Class 5.
Karlsruher Parfümerie- & Toiletteseifen-Fabrik F. Wolff & Sohn G. m. b. H., Karlsruhe, Germany. Toilet soap. 286,940; Nov. 19. Class 4.
Kelly, G. L., doing business as Kelly & Green, Erie, Pa. Photographic prints. 289,464; Nov. 19. Class 38.
Kiddy Brush & Toy Co., Bryan, Ohio. Toy house-cleaning set. 284,985; Nov. 19. Class 22.
Kleinberg Bros., doing business as Bronx Battery Service Station, New York, N. Y. Anticorrosion devices. 288,810; Nov. 19. Class 6.
Knak Company. (See Weiss, Arthur A.)
Konishi Kotakudo Company, Inc., New York, N. Y. Watch crystals. 290,952-6; Nov. 19. Class 33.
Kornman, A. L., Mfg. Co., Nashville, Tenn. Overcoats, suits, topcoats, and trousers. 284,738; Nov. 19. Class 39.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Sugar. 290,754; Nov. 19. Class 46.
Kurtz Bros., Clearfield, Pa. Pencil tablets, notebooks, practice paper, etc. 289,030; Nov. 19. Class 37.
Kutroff, Pickhardt & Co., Inc., New York, N. Y. Plasticizer for cellulose products. 289,934; Nov. 19. Class 6.
Lakemill Textile Corporation, New York, N. Y. Spun yarn. 290,899; Nov. 19. Class 43.
Lalla, John F., Company, Chicago, Ill. Salt. 290,316; Nov. 19. Class 6.
La Norma Coffee Mills. (See Alonso, Jose Y.)
Lazarus, Isaac, Arverne, N. Y. Cementitious compound for walls. 287,479; Nov. 19. Class 12.
Lena-May's Laboratories. (See Hendrickson, J. O.)
L'Etablissement de St.-Galmier (Source Badolt), Saint-Galmier, France. Mineral and gaseous waters, lemonades, etc. 287,144; Nov. 19. Class 45.
Lillard, William W., New York, N. Y. Concrete mixtures and rods. 286,688; Nov. 19. Class 12.
M M Company, The, Washington, D. C. Blended vegetable cooking and salad oils. 288,408; Nov. 19. Class 46.
MacConnell, William F., doing business as Wilmack Laboratories, Cincinnati, Ohio. Medicine tablets. 290,262; Nov. 19. Class 6.
Malouf Bros. Co., Los Angeles, Calif. Dresses. 290,583; Nov. 19. Class 39.
Manning, Lucius R., Chicago, Ill. Airplanes. 289,634; Nov. 19. Class 19.
Marks, C. W. Shoe Company, Chicago, Ill. Shoes. 289,239; Nov. 19. Class 39.
Martin-Senour Company, The, Cleveland, Ohio. Paints, paint enamels, japans, etc. 280,419; Nov. 19. Class 16.
Marvin's, Dr., Laboratory. (See Bakerman, Milton S.)
McCain, Frederick E., doing business as Skidnit Company, Detroit, Mich. Adhesive. 286,945; Nov. 19. Class 5.
McCullough, J. H., doing business as The Garden City Fruit Products Co., San Jose, Calif. Jams, jellies, fruit preserves, etc. 290,471; Nov. 19. Class 46.
McCreery, James, & Company, New York, N. Y. Undergarments and lingerie. 290,215; Nov. 19. Class 39.
McCreery, James, & Company, New York, N. Y. Hand bags. 290,790; Nov. 19. Class 3.
McCreery, James, & Company, New York, N. Y. Piece goods. 291,012; Nov. 19. Class 42.
McLoughlin Manufacturing Company, Indianapolis, Ind. Underwear for men and boys. 289,156; Nov. 19. Class 39.
Metal Stampings Corporation, Strettor, Ill. Combined smoking stand and humidifier. 289,638; Nov. 19. Class 32.
Modern Apron Mfg. Co., Bronx, N. Y. Baby wraps. 290,267; Nov. 19. Class 39.
Moore Pen Company, The, Boston, Mass. Desk sets. 269,684; Nov. 19. Class 37.

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Moshel Company, The, Washington, D. C. Vegetable cooking and salad oils. 288,409; Nov. 19. Class 46.
N. V. Potash Export Maatschappij, New York, N. Y., and Amsterdam, Netherlands. Potash for general use. 277,715; Nov. 19. Class 6.
Naccache, Maurice, doing business as Arabian Products, New York, N. Y. Olive oil. 288,922; Nov. 19. Class 46.
Nalibotsky, H. & J., Co., Philadelphia, Pa. Frocks and dresses. 288,716; Nov. 19. Class 39.
Nation-Wide Service Grocers. (See Hall, E. C. Company.)
National Exchange Club, The, Toledo, Ohio. Printed paper banners, signs, and posters. 286,334; Nov. 19. Class 38.
Neo Laboratories, The. (See Reid, Gordon.)
Northfield Iron Company, Northfield, Minn. Pressed-steel snow fence. 289,533; Nov. 19. Class 13.
Oceanic Sales Company, Seattle, Wash. Canned salmon. 289,689; Nov. 19. Class 46.
Olson, Elmer E., Pomeroy, Iowa. Preparation for the treatment of poultry. 282,129; Nov. 19. Class 6.
Ott, Wilhelm, New York, N. Y. Volumes of sheet music. 271,356; Nov. 19. Class 38.
Overacker Coffee Co., Inc., The, Louisville, Ky. Coffee, cereal, and chicory. 290,597; Nov. 19. Class 46.
Pailler, Eugene C., doing business as The Silk Eze Company, Rutherford, N. J. Silk-cleaning compound. 288,112; Nov. 19. Class 4.
Para Rubber Company, Newark, N. J. Drapes, draperies, table covers, etc. 271,505; Nov. 19. Class 50.
Park Watch Import Co., Inc., Buffalo, N. Y. Watches. 290,081; Nov. 19. Class 27.
Paul, C. H., doing business as C. H. Paul, Laboratories, Seymour, Wis. Medicinal preparation. 279,106; Nov. 19. Class 6.
Payno Drug Co. (See Rugof, Samuel.)
Pennsylvania Rubber Company, Jeannette, Pa. Rubber tires. 289,643; Nov. 19. Class 35.
Pfaffman Egg Noodle Company, The, Cleveland, Ohio. Macaroni, spaghetti, and egg noodles. 290,596; Nov. 19. Class 46.
Phillips-Lewis Co., Inc., Richmond, Va. Canned vegetables, fruits, berries, etc. 289,602; Nov. 19. Class 46.
Phoenix Detroit Burner Corporation, Detroit, Mich. Oil burners. 289,536; Nov. 19. Class 34.
Pilgren Company, The. (See Bishop, Helen E.)
Pioneer Products Co., The. (See Bouthillet, John A.)
Polotsky, Jacob S., New York, N. Y. Extract for making maltless beverages. 286,193; Nov. 19. Class 45.
Price, Lee O., doing business as Price Provision Co., Athens, Ga. Canned Brunswick stew. 285,983; Nov. 19. Class 46.
Progressive Knitting Works, Brooklyn, N. Y. Knitted fabric. 280,595; Nov. 19. Class 42.
Randolph Marketing Company, Riverside and Los Angeles, Calif. Fresh vegetables. 267,997; Nov. 19. Class 46.
Rankin, Wm. H., Company, Chicago, Ill. Building materials. 289,538; Nov. 19. Class 12.
Red-I-Ply Manufacturing Company, St. Louis, Mo. Weather strips. 289,367; Nov. 19. Class 12.
Regan, Peter G., New York, N. Y. Bread, rolls, pies, etc. 290,429; Nov. 19. Class 46.
Reid, Gordon, doing business as The Neo Laboratories, Auburn, N. H. Automobile and furniture polish. 289,593; Nov. 19. Class 16.
Rehl, T. M., Teneriffe Onion Seed Company, Laredo, Tex. Onion seed. 286,505; Nov. 19. Class 1.
Reigle, William G., Detroit, Mich. Metal polishes, compounds for removing stains, etc. 289,539; Nov. 19. Class 4.
Robbins & Stauffert, Inc., Chicago, Ill. Pocketbooks, overnight cases, vanity cases, etc. 289,045; Nov. 19. Class 3.
Robinson, S. G. & Co., Inc., New York, N. Y. Dresses. 289,086; Nov. 19. Class 39.
Rockland Shirt Co., New York, N. Y. Shirts. 288,147; Nov. 19. Class 39.
Rollinson, W. H. & Company, Incorporated, New York, N. Y. Cotton fabric. 290,795; Nov. 19. Class 42.
Rorschild, Maurice L., Incorporated, Chicago, Ill. Coats, suits, and overcoats. 290,526; Nov. 19. Class 39.
Rueping, Fred, Leather Co., Fond du Lac, Wis. Leather. 289,368; Nov. 19. Class 1.
Rugof, Samuel, doing business as Payno Drug Co., New York, N. Y. Neuralgia, headache, menstrual pain, and nerve sedative. 288,871; Nov. 19. Class 6.
Ryan, John P., Lawrence, Mass. Dressing for cleaning and renewing the surface of web belts, etc. 289,594; Nov. 19. Class 4.
St. Louis Tool and Mfg. Co., St. Louis, Mo. Reamers and cylinder boring tools. 289,293; Nov. 19. Class 23.
San-I-Ti Tooth Brush Co. (See Gale, Fletcher C.)
San-Nap-Pak Mfg. Co., Inc., New York, N. Y. Cold-cream remover. 290,272; Nov. 19. Class 37.
Sand Rock Mineral Springs Co., Whitewater, Wis. Ginger ale. 289,541; Nov. 19. Class 45.
Saw, Charles, Philadelphia, Pa. Flavors, emulsions, and syrups for flavoring beverages. 287,860; Nov. 19. Class 45.

Schaldach, Hugo F., Detroit, Mich. Newspaper section. 277,598; Nov. 19. Class 38.
Schwartz, Charles, doing business as Dorothy Frocks Company, San Antonio, Tex. Dresses and frocks. 290,152; Nov. 19. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Automobile cord tires. 289,544; Nov. 19. Class 35.
Sears, Roebuck and Co., Chicago, Ill. Fountain pens. 290,616; Nov. 19. Class 37.
Shapiro, Abraham, Philadelphia, Pa. Vinegar. 290,799; Nov. 19. Class 46.
Shaub, Alexander, doing business as Shaub Raincoat House, New York, N. Y. Coats, raincoats, and sport jackets. 290,092; Nov. 19. Class 39.
Shiffman, Isidor, Brooklyn, N. Y. Udder protectors. 290,976; Nov. 19. Class 3.
Short, J. R., Milling Company, Chicago, Ill. Processed corn products. 289,802; Nov. 19. Class 46.
Shotwell Mfg. Co., The, Chicago, Ill. Marshmallows. 269,862; Nov. 19. Class 46.
Silk Eze Company, The. (See Pailler, Eugene C.)
Simmons Hardware Company, St. Louis, Mo. Enamel ware. 289,480; Nov. 19. Class 13.
Simmons Manufacturing Company, The, Cleveland, Ohio. Engine mufflers and spare parts. 289,372; Nov. 19. Class 23.
Simplex Valve and Meter Company, Philadelphia, Pa. Air-release valves, automatic shut-off controllers, etc. 289,547; Nov. 19. Class 13.
Skidnit Company. (See McCala, Frederick E.)
Slade Asbestos Corporation, New York, N. Y. Brake lining. 282,499; Nov. 19. Class 35.
Soc. Anon. Officine di Villar Perosa, Turin, Italy. Ball and roller bearings. 285,893; Nov. 19. Class 23.
Société Anonyme Fruit Brokers Co., Spiers & White, Antwerp, Belgium. Fresh fruits and fresh vegetables. 280,740; Nov. 19. Class 46.
Spotsilk Company, The, Lamont, Okla. Dry-cleaning compound. 269,039; Nov. 19. Class 4.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Gas. 290,800; Nov. 19. Class 6.
Standard Varnish Works, New York, N. Y. Enamel paints. 289,423; Nov. 19. Class 16.
Stone & Forsyth Company, Boston, Mass. Paper bags. 289,948; Nov. 19. Class 2.
Strange, R. E., Jr., doing business as E-W Products Company, San Francisco, Calif. Mayonnaise. 290,480; Nov. 19. Class 46.
Templin, Otto J., doing business as The Verno Company, Milwaukee, Wis. Troche or tablet prepared especially for dyspepsia, indigestion, etc. 290,278; Nov. 19. Class 6.
Thomas Manufacturing Company, The, Springfield, Ohio. Lawn mowers. 264,333; Nov. 19. Class 23.
Tognier, Charlotte N., Long Island City, N. Y. Infants' binding bands. 290,201; Nov. 19. Class 39.
Traun, Dr. Heinrich & Söhne, vormals Harburger Gummi-Kamm-Compagnie, Hamburg, Germany. Rubber in sheet form. 280,060; Nov. 19. Class 1.
Twin City Manufacturing Company, Minneapolis, Minn. Overalls, jackets, pants, etc. 290,227; Nov. 19. Class 39.
Ultra-Violet Generator Corporation, Chicago, Ill. Electric generators, lamps, and bulbs. 289,771; Nov. 19. Class 44.
United Conveyor Corporation, Chicago, Ill. Pneumatic conveyors and conveying systems. 284,881-2; Nov. 19. Class 23.
United Drug Company, Boston, Mass. Baby pants. 290,279; Nov. 19. Class 39.
United States Gypsum Company, Chicago, Ill. Plastic wall coating materials, wall board, plaster board, etc. 289,168; Nov. 19. Class 12.
Unitog Manufacturing Company, The, Kansas City, Mo. Clothing. 283,424; Nov. 19. Class 39.
Uris Sales Corporation, New York, N. Y. Metal polishing cloths. 289,909; Nov. 19. Class 4.
Utah Rock Asphalt Corporation, The, Pueblo, Colo. Rock asphalt. 273,990; Nov. 19. Class 12.
Van Erp Arnold, doing business as Holland Dutch Delicatessen Stores, San Francisco, Calif. Peanut butter, salad oil, honey, etc. 288,994; Nov. 19. Class 46.
Van Erp, Arnold, doing business as Holland Dutch Delicatessen Stores and also as Crystal Palace Market, San Francisco, Calif. Peanut butter, salad oil, mayonnaise, etc. 289,608; Nov. 19. Class 46.
Vapro Company, The. (See Benjamin, Frank P.)
Verno Company, The. (See Templin, Otto J.)
Victor Ring Traveler Company, Providence, R. I. Ring travelers. 290,725; Nov. 19. Class 23.
Victor Ring Traveler Company, Providence, R. I. Ring travelers. 290,768; Nov. 19. Class 23.
Visa Company. (See Drucker, Samuel B.)
Vitaphone Corporation, The, New York, N. Y. Printed publications, sheet music, etc. 287,512; Nov. 19. Class 38.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Wachsmith, Richard, Yakima, Wash. Fresh pears, apples. 290,726; Nov. 19. Class 46.
Weinberger Drug Stores, Inc., Cleveland, Ohio. Eczema lotions, emulsion of cod-liver oil, insecticides, etc. 288,529; Nov. 19. Class 6.
Weiss, Arthur A., doing business as Knak Company, Cleveland, Ohio. Dry-cleaning fluid. 289,056; Nov. 19.

Weissbrod, Emil, & Sons, Greenfield, Mass. Pocketbooks and bill folds. 288,681; Nov. 19. Class 3.
Wells-Olsen Milling Company, De Pere, Wis. Chick mash, growing mash, chick starter, etc. 290,919; Nov. 19. Class 46.
Willmack Laboratories. (See MacConnell, William F.)
Woman's World Magazine Co., Inc., Chicago, Ill. Monthly magazine. 289,259; Nov. 19. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Wool, Angora. Outlet Embroidery Supply Co. Inc. 264,265; Nov. 19.

CLASS 2

Bags, Paper. Gilman Paper Company. 264,193-4; Nov. 19; Serial No. 286,875-6; published Sept. 3, 1929.
Bags, Paper. Gilman Paper Company. 264,195-7; Nov. 19; Serial No. 286,878-80; published Sept. 10, 1929.
Drums and tanks, Steel. Rheem Manufacturing Company. 264,137; Nov. 19; Serial No. 249,808; published Sept. 3, 1929.
Envelopes, Merchandise. Hinde & Dauch Paper Company. 264,205; Nov. 19; Serial No. 286,248; published Sept. 3, 1929.

CLASS 4

Cleaner. O. Olson. 264,285; Nov. 19.
Powder, Washing and cleansing. Henry & Henry, Incorporated. 264,166; Nov. 19; Serial No. 270,081; published Sept. 25, 1928.
Washing powder. Fault-Less Products Co. 264,295; Nov. 19.

CLASS 6

Acetanilid derivative. Irwin, Neisler & Co. 264,080; Nov. 19; Serial No. 287,533; published Sept. 3, 1929.
Ammonia, baking powder, borax, etc. Red & White Corp'n. 264,089; Nov. 19; Serial No. 286,276; published Aug. 27, 1929.
Antiseptic jelly. Chinosol Products Company. 264,110; Nov. 19; Serial No. 287,047; published Aug. 27, 1929.
Astringents, astringent cerates, bleach and beauty creams, etc. A. G. Gerard. 264,120; Nov. 19; Serial No. 286,488; published Sept. 3, 1929.
Baking powder. Citizens' Wholesale Supply Company. 264,097; Nov. 19; Serial No. 285,443; published Sept. 3, 1929.
Bath salts, rouge, sunburn lotion, etc. A. C. Alexander. 264,072; Nov. 19; Serial No. 286,468; published Sept. 3, 1929.
Calcium tablets, Compound. Granger Calcium Products, Inc. 264,121; Nov. 19; Serial No. 286,934; published Sept. 3, 1929.
Capsules. Dr. G. A. Klock. 264,277; Nov. 19.
Capsules for prevention of colds, etc. B. D. Silver. 264,087; Nov. 19; Serial No. 286,136; published Aug. 27, 1929.
Chemical dye aids. H. Th. Böhme A. G. 264,070; Nov. 19; Serial No. 285,010; published Sept. 3, 1929.
Cosmetics. Rosemond Cosmetic Co. 264,147; Nov. 19; Serial No. 265,568; published Sept. 3, 1929.
Dental cream and antiseptic mouth wash. William A. Webster Company. 264,076; Nov. 19; Serial No. 286,700; published Sept. 3, 1929.
Dental creams. William A. Webster Company. 264,095; Nov. 19; Serial No. 287,388; published Sept. 3, 1929.
Disinfectant, deodorant, and insecticide. U. S. Sanitary Specialties Corporation. 264,096; Nov. 19; Serial No. 287,506; published Sept. 3, 1929.
Disinfectant, insecticide, and wood preservative preparation, Liquid. I. McEwen. 264,255; Nov. 19.
Dyes, Coal-tar. Geigy Company. 264,241-2; Nov. 19; Serial Nos. 284,451-2; published Sept. 3, 1929.
Emulsion of petrolatum with malt. McKesson & Robbins, Incorporated. 264,094; Nov. 19; Serial No. 287,259; published Sept. 3, 1929.
Filler for window shades. Re-Nu Window Shade Company. 264,228; Nov. 19; Serial No. 278,661; published Aug. 27, 1929.
Folia digitalis and tincture digitalis. F. A. U. Smith. 264,109; Nov. 19; Serial No. 287,021; published Aug. 27, 1929.
Fuel, Solidified. Novoduc Corporation. 264,086; Nov. 19; Serial No. 286,129; published Sept. 3, 1929.
Germicide, Antiseptic. E. C. Haas. 264,252; Nov. 19; Serial No. 279,393; published Sept. 3, 1929.
Glycerine. Georg Schlicht A. G. 264,230; Nov. 19; Serial No. 279,393; published Sept. 3, 1929.
Hair tonic, depilatory, skin lotion, etc. M. Rosoff. 264,074; Nov. 19; Serial No. 286,656; published Sept. 3, 1929.
Herb tea. M. Kajima. 264,235; Nov. 19; Serial No. 281,559; published Sept. 3, 1929.
Insecticide. Andrew Wilson, Inc. 264,108; Nov. 19; Serial No. 286,967; published Sept. 3, 1929.
Insecticide preparation, Liquid. I. McEwen. 264,256; Nov. 19.

Insecticides. Uniform Products Company. 264,079; Nov. 19; Serial No. 287,550; published Sept. 3, 1929.
Laxative and purgative capsule. A. B. Hirschman. 264,154; Nov. 19; Serial No. 273,507; published Aug. 27, 1929.
Laxative capsule. A. B. Hirschman. 264,162; Nov. 19; Serial No. 273,596; published Aug. 27, 1929.
Liniment. American Chemical & Drug Co. 264,292; Nov. 19.
Liquid compound. Squire R. Dillon. 264,081; Nov. 19; Serial No. 287,654; published Sept. 3, 1929.
Medicated tea. S. M. Edison. 264,091; Nov. 19; Serial No. 286,309; published Aug. 27, 1929.
Medicinal preparation. S. Pfeiffer Mfg. Co. 264,227; Nov. 19; Serial No. 284,372; published Sept. 3, 1929.
Medicine. G. F. Nonhof. 264,082; Nov. 19; Serial No. 286,074; published Aug. 27, 1929.
Medicine. L. B. Smiley. 264,071; Nov. 19; Serial No. 285,534; published Sept. 3, 1929.
Medicine for headache. W. J. Scherer. 264,248; Nov. 19; Serial No. 286,099; published Sept. 3, 1929.
Medicine, Proprietary. Oxyborate Company. 264,099; Nov. 19; Serial No. 285,716; published Sept. 3, 1929.
Medicine, Stomach. Orth Laboratory Co. 264,088; Nov. 19; Serial No. 286,273; published Sept. 3, 1929.
Moth repellent. E. T. Blau. 264,234; Nov. 19; Serial No. 283,430; published Aug. 27, 1929.
Oil, Facial. Juliette-Nanette Laboratory, Inc. 264,100; Nov. 19; Serial No. 285,780; published Sept. 3, 1929.
Ointment. M. Sokolowsky. 264,075; Nov. 19; Serial No. 286,663; published Sept. 3, 1929.
Oxygen preparation. Nascetti, E. M. E. Blass. 264,232; Nov. 19; Serial No. 280,215; published Aug. 13, 1929.
Pharmaceutical preparation. W. T. Ross. 264,083; Nov. 19; Serial No. 286,080; published Aug. 27, 1929.
Powder, cold cream, bath tablets, etc. Talcum. Kalto Corporation. 264,055; Nov. 19; Serial No. 284,541; published Aug. 27, 1929.
Powder for use in preparing a permanent-waving solution. J. W. Embrey. 264,262; Nov. 19.
Powder, Nail-polish. A-D-A Company. 264,090; Nov. 19; Serial No. 286,290; published Aug. 27, 1929.
Preparation for the relief of stomach disorders. L. Heumann & Company Inc. 264,085; Nov. 19; Serial No. 286,120; published Sept. 3, 1929.
Preparation for treating the scalp. Rap-Poo Laboratories, Inc. 264,092; Nov. 19; Serial No. 287,092; published Aug. 27, 1929.
Preparation for use against syphilis. Spicer and Company. 264,084; Nov. 19; Serial No. 286,084; published Sept. 3, 1929.
Preparation to give a tanned appearance. Helena Rubenstein, Inc. 264,220; Nov. 19; Serial No. 278,909; published Sept. 3, 1929.
Product for treatment of boils and similar conditions. Upjohn Company. 264,083; Nov. 19; Serial No. 287,218; published Sept. 3, 1929.
Resins, Synthetic. I. G. Farbenindustrie Aktiengesellschaft. 264,073; Nov. 19; Serial No. 286,482; published Sept. 3, 1929.
Salves. A. Henke, née Cornélius. 264,119; Nov. 19; Serial No. 286,328; published Sept. 3, 1929.
Suppositories, powder, and jelly. Antiseptic. Bendiner & Schlesinger, Inc. 264,231; Nov. 19; Serial No. 279,908; published Sept. 3, 1929.
Tablets, Headache. W. Unterman. 264,078; Nov. 19; Serial No. 286,805; published Sept. 3, 1929.
Tannic-acid compound, rubbing alcohol, analgesic balm, etc. Cramer Chemical Co. 264,086; Nov. 19; Serial No. 285,659; published Sept. 3, 1929.
Toilet cream. Mitswa Co. 264,077; Nov. 19; Serial No. 286,787; published Sept. 3, 1929.
Toilet waters, face lotions, rouge, etc. Lubin Perfumery Corporation. 264,101; Nov. 19; Serial No. 285,782; published Aug. 27, 1929.
Tooth paste and oral antiseptic. Gilbert Products Corporation. 264,118; Nov. 19; Serial No. 286,323; published Aug. 27, 1929.
Witch-hazel and massage cream. L. A. Thomas. 264,233; Nov. 19; Serial No. 280,073; published Sept. 3, 1929.

CLASS 8

Cigarette boxes, Empty. Du Pont Viscoloid Company. 264,115; Nov. 19; Serial No. 287,915; published Sept. 10, 1929.

Tobacco pipes, parts of pipes, etc. Vauen Vereinigte Pfeifenfabriken vorm. Gebhard Ott und Ziemer & Ellenberger Aktiengesellschaft. 264,251; Nov. 19.

CLASS 9

Matches. Amtorg Trading Corporation. 264,132-6; Nov. 19; Serial Nos. 288,168-72; published Sept. 10, 1929.

Matches. Joseph Borovitz Inc. 264,112; Nov. 19; Serial No. 287,558; published Sept. 10, 1929.

CLASS 10

Fertilizer. Chas. W. Priddy & Company. 264,059; Nov. 19; Serial No. 285,170; published Sept. 10, 1929.

Guano, commercial fertilizers, and limestone. American Agricultural Chemical Company. 264,116; Nov. 19; Serial No. 287,950; published Sept. 10, 1929.

CLASS 11

Carbon paper. Consolidated Ribbon & Carbon Company. 264,276; Nov. 19.

Typewriter, addressograph, and multigraph ribbons. W. J. Waldron. 264,105; Nov. 19; Serial No. 288,098; published Sept. 10, 1929.

CLASS 12

Doors, gates, door frames, etc. Farley & Loetscher Mfg. Co. 264,268; Nov. 19.

Insulating materials, heat, sound, and combustion. Wall-fil Co. 264,271; Nov. 19.

Tile, roofing. Acme Brick Company. 264,286; Nov. 19.

CLASS 13

Bathtubs, double-shell baths, single-shell baths, etc. Ellwood Foundry and Machine Company. 264,208; Nov. 19; Serial No. 285,022; published Sept. 10, 1929.

Bolts and nuts. Dardetlet Threadlock Corporation. 264,191; Nov. 19; Serial No. 286,819; published Sept. 3, 1929.

Clamps, metal. Diamond Expansion Bolt Co. 264,203; Nov. 19; Serial No. 286,162; published Sept. 3, 1929.

Fasteners, separable. Mishawaka Rubber and Woolen Manufacturing Company. 264,210; Nov. 19; Serial No. 285,684; published Sept. 10, 1929.

Metal clamps. Diamond Expansion Bolt Co. 264,204; Nov. 19; Serial No. 286,163; published Sept. 10, 1929.

Pipe, steel. Bethlehem Steel Company. 264,198; Nov. 19; Serial No. 287,039; published Sept. 3, 1929.

Plumbing fixtures. New Jersey Porcelain Company. 264,209; Nov. 19; Serial No. 285,292; published Sept. 10, 1929.

Sash balances and casement adjusters. Consolidated Hardware Manufacturers, Inc. 264,046; Nov. 19; Serial No. 282,342; published Sept. 3, 1929.

Strainers, soap shakers, and ladles. Hamblin & Russell Mfg. Co. 264,199; Nov. 19; Serial No. 285,739; published Sept. 10, 1929.

Washers. Lock. Clegg Lock Washer Corporation. 264,200; Nov. 19; Serial No. 285,813; published Sept. 3, 1929.

CLASS 16

Coating, noncorrosive pipe. Resistcor Engineering Corporation. 264,041; Nov. 19; Serial No. 285,887; published Sept. 10, 1929.

Dry powder used as a plastic paint. Muralo Company. 264,163-4; Nov. 19; Serial Nos. 283,643-4; published June 18, 1929.

Enamel, white paint. Frazer Paint Company. 264,031; Nov. 19; Serial No. 287,241; published Sept. 10, 1929.

Enamels, colors, coating, ceramic. General Color Products Co. 264,165; Nov. 19; Serial No. 269,454; published Sept. 10, 1929.

Enamels, floor. Frazer Paint Company. 264,045; Nov. 19; Serial No. 287,240; published Sept. 10, 1929.

Lacquer. Andrew Brown Co. 264,278; Nov. 19.

Paints, protective. Fisk Rubber Company. 264,226; Nov. 19; Serial No. 284,784; published Sept. 10, 1929.

Shellac preparation, prepared. Marietta Paint & Color Co. 264,272; Nov. 19.

Varnishes. Benson Paint & Varnish Co. 264,207; Nov. 19; Serial No. 288,054; published Sept. 10, 1929.

Varnishes. Federal Varnish Co. 264,043; Nov. 19; Serial No. 286,750; published Sept. 10, 1929.

CLASS 17

Cigars. Henry W. Peabody & Co. 264,060; Nov. 19; Serial No. 285,748; published Sept. 10, 1929.

Cigars. E. H. Thalheimer. 264,174; Nov. 19; Serial No. 284,422; published Sept. 10, 1929.

CLASS 19

Aeroplanes, seaplanes, hydroplanes, etc. A. V. Roe & Company Limited. 264,212; Nov. 19; Serial No. 283,757; published Sept. 3, 1929.

Airplanes. Kreider-Reisner Aircraft Co. 264,202; Nov. 19; Serial No. 285,976; published Sept. 10, 1929.

Automobiles. Paul G. Hoffman Co. Inc. 264,296; Nov. 19.

Automobiles. Marmon Motor Car Company. 264,223; Nov. 19; Serial No. 278,227; published Sept. 10, 1929.

Automobiles and their structural parts. Chrysler Corporation. 264,049-50; Nov. 19; Serial Nos. 283,551-2; published Sept. 10, 1929.

Automobiles, motor trucks, motor lorries, and constructive parts thereof. Republic Motor Truck Company. 264,206; Nov. 19; Serial No. 286,795; published Sept. 3, 1929.

Boats, rafts, floats, etc. Pneumatic. Pneumatic Boat Corporation. 264,303; Nov. 19.

Flying machines. Fleet Aircraft, Inc. 264,190; Nov. 19; Serial No. 286,752; published Sept. 3, 1929.

Springs for vehicles, air. Cleveland Pneumatic Tool Company. 264,169; Nov. 19; Serial No. 270,913; published Sept. 10, 1929.

Trucks, motor-cycle. Harley-Davidson Motor Company. 264,302; Nov. 19.

CLASS 21

Electric flush receptacles, etc. Harvey Hubbell, Incorporated. 264,287; Nov. 19.

Eliminators, A-battery. Tobe Deutschmann Corporation. 264,284; Nov. 19.

Radio antennae wire. J. S. White. 264,294; Nov. 19.

Radio receiving sets and parts thereof and loud-speakers built into the sets. Buckingham Radio Corporation. 264,289; Nov. 19.

CLASS 22

Amusement appliances, aquatic. Cooley Manufacturing Company. 264,225; Nov. 19; Serial No. 284,722; published Sept. 10, 1929.

Fishhooks. O. Mustad & Son. 264,146; Nov. 19; Serial No. 264,146; published Sept. 10, 1929.

Fishing reels. Enterprise Manufacturing Company. 264,298; Nov. 19.

Golf and tennis balls. Tuba Balls Corporation. 264,030; Nov. 19; Serial No. 287,783; published Sept. 10, 1929.

Golf and tennis balls. Tuba Balls Corporation. 264,246; Nov. 19; Serial No. 287,782; published Sept. 10, 1929.

Golf balls. Wilson-Western Sporting Goods Company. 264,175; Nov. 19; Serial No. 278,201; published Mar. 12, 1929.

Golf clubs. Wilson-Western Sporting Goods Company. 264,033; Nov. 19; Serial No. 287,515; published Sept. 3, 1929.

Golf clubs and tennis rackets. Wilson-Western Sporting Goods Company. 264,176; Nov. 19; Serial No. 278,202; published Mar. 12, 1929.

Skis, toboggans, snowshoes, etc. C. A. Lund. 264,032; Nov. 19; Serial No. 287,418; published Sept. 3, 1929.

Toys, blue bird company. 264,039; Nov. 19; Serial No. 285,703; published Sept. 3, 1929.

Toys, J. Shwarts. 264,044; Nov. 19; Serial No. 287,159; published Sept. 10, 1929.

Toys, juvenile vehicles in the nature of. American National Company. 264,282; Nov. 19.

Toys, mechanical. Strombeck-Becker Manufacturing Company. 264,040; Nov. 19; Serial No. 285,795; published Sept. 3, 1929.

Toys, stuffed. L. J. Bloom. 264,224; Nov. 19; Serial No. 283,940; published Sept. 10, 1929.

CLASS 23

Asbestos lead-joint runners, pinch bars, box chisels, etc. Atlas Tool Mfg. Co. 264,239; Nov. 19; Serial No. 283,773; published Sept. 10, 1929.

Chisels, punches, pilers, etc. Mayhew Steel Products, Inc. 264,187; Nov. 19; Serial No. 281,153; published Sept. 10, 1929.

Grinding machines. Dazey Churn & Manufacturing Company. 264,148; Nov. 19; Serial No. 265,955; published Sept. 10, 1929.

Knives and knife blades. Kitchen. Hyde Manufacturing Company. 264,066; Nov. 19; Serial No. 287,079; published Sept. 10, 1929.

Pipe tongs. J. H. Williams & Co. 264,068; Nov. 19; Serial No. 287,897; published Sept. 10, 1929.

Pistons. Aluminum Industries, Inc. 264,142-4; Nov. 19; Serial Nos. 284,891-3; published Sept. 10, 1929.

Pumps, hydraulic sucker-rod shock absorbers, etc. Rotary sand. Burns Specialty Co. 264,240; Nov. 19; Serial No. 284,108; published Sept. 10, 1929.

Razor blades. Ruble Blade Corporation. 264,062; Nov. 19; Serial No. 287,889; published Sept. 10, 1929.

Snowplows. Hi-Way Service Corporation. 264,273; Nov. 19.

Spreaders, manure. A. B. Farquhar Company. 264,266; Nov. 19.

Trimmers, lawn. Lawn Equipment Company. 264,069; Nov. 19; Serial No. 287,930; published Sept. 10, 1929.

CLASS 24

Ironing boards. Beh & Co. Inc. 264,192; Nov. 19; Serial No. 286,853; published Sept. 3, 1929.

Presses, garment. United States Hoffman Machinery Corporation. 264,141; Nov. 19; Serial No. 259,702; published Sept. 3, 1929.

CLASS 26

Accounting machines, adding typewriters, calculating and computing machines, etc. National Cash Register Company. 264,236-7; Nov. 19; Serial Nos. 281,615-6; published Sept. 10, 1929.

Electrical station-load indicators, electrical indicators, etc. Electric Indicator Corporation. 264,065; Nov. 19; Serial No. 286,747; published Sept. 10, 1929.

Photoplays, motion-picture. Paramount Famous Lasky Corporation. 264,007; Nov. 19; Serial No. 287,840; published Sept. 10, 1929.

Picture screens, motion. L. E. Dwyer. 264,247; Nov. 19.

CLASS 27

Clocks and watches. Western Clock Company. 264,113; Nov. 19; Serial No. 287,725; published Sept. 10, 1929.

Watchcases. Bulova Watch Company. 264,258; Nov. 19.

Watches. De Natale Jewelry Co. 264,712; Nov. 19; Serial No. 283,033; published Sept. 10, 1929.

Watches and clocks. Jaeger Watch Company. 264,129-30; Nov. 19; Serial Nos. 286,569-70; published Sept. 10, 1929.

Watches and movements. Gorbach Brothers. 264,127; Nov. 19; Serial No. 287,065; published Sept. 10, 1929.

Watches. Wrist. Bulova Watch Company. 264,102; Nov. 19; Serial No. 287,956; published Sept. 10, 1929.

Watches, wrist. Bulova Watch Company. 264,117; Nov. 19; Serial No. 287,955; published Sept. 10, 1929.

CLASS 29

Hairbrushes. B. Cervelli. 264,290; Nov. 19.

CLASS 31

Filtering powder. Cannons' Filtration Company. 264,036; Nov. 19; Serial No. 287,172; published Sept. 10, 1929.

Filters. Dorr Company. 264,054; Nov. 19; Serial No. 284,903; published Sept. 10, 1929.

CLASS 32

Mattresses and bed springs. Barker Bros. Incorporated. 264,238; Nov. 19; Serial No. 281,647; published Sept. 10, 1929.

CLASS 34

Dampers and hand and automatic mechanical draft controls. Draft-A-Justor Corporation. 264,300; Nov. 19.

Furnace and boiler flue baffles. Fuel and Heat Saver Co. 264,201; Nov. 19; Serial No. 285,815; published Sept. 10, 1929.

Heat-treating blocks, refractory tubes, research-furnace doors, etc. Massillon Refractories Company. 264,140; Nov. 19; Serial No. 254,639; published Sept. 10, 1929.

Heaters, gas water. W. B. Bastian Manufacturing Co. 264,048; Nov. 19; Serial No. 283,541; published Sept. 3, 1929.

Heaters, gas water. W. B. Bastian Manufacturing Co. 264,051-2; Nov. 19; Serial Nos. 283,543-4; published Sept. 3, 1929.

Lamp shades. J. P. McConaty. 264,047; Nov. 19; Serial No. 283,340; published Sept. 10, 1929.

Oil burners and parts thereof. J. T. Driscoll. 264,151; Nov. 19; Serial No. 243,597; published Sept. 10, 1929.

Stovepipes. Reeves Manufacturing Company. 264,304; Nov. 19.

CLASS 35

Tires and rubber tubes therefor, vehicle. Federal Rubber Company. 264,063; Nov. 19; Serial No. 285,073; published Sept. 10, 1929.

Tires, rubber. Vogue Rubber Company. 264,145; Nov. 19; Serial No. 262,008; published Feb. 26, 1929.

CLASS 37

Paper products. Pratt-Mallory Company. 264,301; Nov. 19.

CLASS 39

Apparel, ladies'. I. Schwartzman & Company. 264,299; Nov. 19.

Clothes, sweaters, uniforms, etc. Hoover Mfg. Co. 264,291; Nov. 19.

Girdles, corsets, and garter belts. W. B. Fitzgerald. 264,270; Nov. 19.

Hats and caps, suits, etc. H. Schultz. 264,293; Nov. 19.

Hosiery. Bear Brand Hosiery Co. 264,254; Nov. 19.

Outer shirts and lumberjackets. Flannel. Barnett Bros. 264,249; Nov. 19.

Shirts, blouses, and windbreakers. H. D. Bob Company. Inc. 264,261; Nov. 19.

Shoes, men's leather. New Process Company. 264,270; Nov. 19.

Stockings, ladies'. Racine Feet Knitting Company. 264,267; Nov. 19.

CLASS 40

Buckles. Adjusta Co. 264,260; Nov. 19.

Pin cushions. H. O. Cornwall. 264,269; Nov. 19.

Pins. William Prym of America, Inc. 264,188; Nov. 19; Serial No. 287,727; published Sept. 10, 1929.

CLASS 42

Carpets and stair carpets of textiles. L. Koch. 264,128; Nov. 19; Serial No. 286,181; published Sept. 10, 1929.

Covers and luncheon sets, card-table. Kurtz & Son. 264,123; Nov. 19; Serial No. 286,885; published Sept. 10, 1929.

Fabrics. H. Ernstberger & Co. 264,104; Nov. 19; Serial No. 288,012; published Sept. 10, 1929.

Fabrics. Worumbo Manufacturing Company. 264,106; Nov. 19; Serial No. 288,099; published Sept. 10, 1929.

Napkins, tablecloths, and draperies. M. Blume. 264,168; Nov. 19; Serial No. 270,764; published Sept. 10, 1929.

Silk and cotton piece goods. National Bellas Hess Co. Inc. 264,156; Nov. 19; Serial No. 274,886; published Sept. 10, 1929.

Silk piece goods. Foremost Fabrics Corporation. 264,058; Nov. 19; Serial No. 287,293; published Sept. 10, 1929.

Silk piece goods. Iona Fabrics Corporation. 264,057; Nov. 19; Serial No. 288,238; published Sept. 10, 1929.

Silk piece goods. Susquehanna Silk Mills. 264,283; Nov. 19.

Silks in the piece. Duplex Silk Mills, Inc. 264,107; Nov. 19; Serial No. 288,110; published Sept. 10, 1929.

Suiting, fancy woolen-worsted. M. M. Scher. 264,173; Nov. 19; Serial No. 283,703; published Sept. 10, 1929.

Textile fabric in the piece. Fred Butterfield & Co. Inc. 264,139; Nov. 19; Serial No. 250,971; published Sept. 10, 1929.

Velour piece goods, velour portières, and draperies. American Pile Fabric Company. 264,111; Nov. 19; Serial No. 287,397; published Sept. 10, 1929.

CLASS 43

Silk in the nature of thread and cellulose-acetate and viscose-rayon yarn, artificial. American Chatillon Corporation. 264,124-6; Nov. 19; Serial Nos. 286,913-5; published Sept. 10, 1929.

CLASS 44

Athletic supporter. Kendall Company. 264,034; Nov. 19; Serial No. 287,662; published Sept. 10, 1929.

Hair-protecting pads for use in permanent waving. D. H. Kahn, Inc. 264,042; Nov. 19; Serial No. 286,639; published Sept. 10, 1929.

Hair-waving appurtenances, permanent. Chaney Products, Inc. 264,038; Nov. 19; Serial No. 285,191; published Sept. 10, 1929.

Supporter, athletic. Kendall Company. 264,243; Nov. 19; Serial No. 287,663; published Sept. 10, 1929.

Suspensory. Kendall Company. 264,244-5; Nov. 19; Serial Nos. 287,664-5; published Sept. 10, 1929.

CLASS 45

Beverages and syrups and extracts for making the same. Theonett & Co. 264,157; Nov. 19; Serial No. 271,324; published Oct. 9, 1928.

Ginger ale and maltless beverages. Falls City Ice & Beverage Company. 264,263; Nov. 19.

CLASS 46

Bread. Bjorlin Baking Co. 264,281; Nov. 19.

Candies, cakes, candied and preserved fruits, and jellies. E. Kauffmann. 264,221; Nov. 19; Serial No. 282,187; published Sept. 10, 1929.

Candy. Curtiss Candy Company. 264,297; Nov. 19.

Candy. Mells Manufacturing Company. 264,061; Nov. 19; Serial No. 286,127; published Sept. 3, 1929.

Canned fish and sea food. S. Messcher. 264,222; Nov. 19; Serial No. 281,223; published Sept. 10, 1929.

Canned fruits and vegetables. Ray-Brown Company. 264,131; Nov. 19; Serial

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Fruits, Fresh citrus. San Dimas Orange Growers Association. 264,253; Nov. 19.
 Gelatine. Cox Gelatine Company. 264,211; Nov. 19; Serial No. 283,260; published Sept. 3, 1929.
 Grapefruit. Imperial Valley Grapefruit Growers. 264,250; Nov. 19.
 Grapes, Fresh. Dougherty Grape Growers Association. 264,257; Nov. 19.
 Ice cream. W. B. MacKenney. 264,217; Nov. 19; Serial No. 286,786; published Sept. 3, 1929.
 Icings for cakes. H. C. Bill Co. 264,264; Nov. 19.
 Malt powder, Hop-flavored. E. D. Tipton. 264,179; Nov. 19; Serial No. 286,521; published Sept. 10, 1929.
 Material for improving the color, texture, and flavor of bread. Hardesty & Stineman. 264,183; Nov. 19; Serial No. 285,741; published Sept. 3, 1929.
 Mayonnaise, French and Thousand Island dressing, and sandwich relish. Roberts and Oake, Inc. 264,178; Nov. 19; Serial No. 286,508; published Sept. 3, 1929.
 Milk prepared in beverage form. Malted. L. Levitz. 264,035; Nov. 19; Serial No. 287,080; published Sept. 10, 1929.
 Olive oil. A. Messuri & Son. 264,216; Nov. 19; Serial No. 286,578; published Sept. 3, 1929.
 Olives, marmalade, fruit preserves, etc. I. O. Well. 264,181; Nov. 19; Serial No. 285,945; published Sept. 10, 1929.
 Pastry containers, Hollow edible. H. E. Cole. 264,218; Nov. 19; Serial No. 286,814; published Sept. 3, 1929.
 Pepper sauce, prepared mustard, hot relish, etc. E. A. Zafarain & Sons, Incorporated. 264,220; Nov. 19; Serial No. 279,514; published Sept. 10, 1929.
 Preserves, grape jelly, peanut butter, etc., Raspberry and currant. M. Polaner & Son. 264,214; Nov. 19; Serial No. 286,544; published Sept. 3, 1929.
 Sauce for steak, fish, roasts, and the like. E. M. Wells. 264,213; Nov. 19; Serial No. 286,524; published Sept. 3, 1929.
 Spices, candied peel, mincemeat, etc. Southern California Supply Co. Inc. 264,149; Nov. 19; Serial No. 267,015; published Sept. 3, 1929.
 Sugar. Lactein Co. 264,215; Nov. 19; Serial No. 286,574; published Sept. 3, 1929.
 Sugar. National Sugar Refining Company of New Jersey. 264,189; Nov. 19; Serial No. 285,422; published Sept. 3, 1929.
 Sugar mixture. Doughnut Machine Corporation. 264,180; Nov. 19; Serial No. 285,624; published Sept. 10, 1929.
 Syrup, Malt. S. Banker. 264,275; Nov. 19.
 Syrup, Malt. Oregon Supply Co. 264,259; Nov. 19.
 Syrup, Malt. Red Owl Stores, Incorporated. 264,170; Nov. 19; Serial No. 271,198; published Sept. 3, 1929.
 Syrup, Malt. Red Sun Products Company. 264,185; Nov. 19; Serial No. 286,386; published Sept. 3, 1929.
 Tonic drink. Milgo Limited. 264,155; Nov. 19; Serial No. 274,167; published Dec. 4, 1928.
 Vegetable shortening. Associated Meat Company. 264,153; Nov. 19; Serial No. 264,942; published Sept. 10, 1929.
 Vegetables, Bottled powdered. Powdered Vegetable Corporation. 264,171; Nov. 19; Serial No. 282,488; published Aug. 27, 1929.
 Vegetables, Fresh. Delay-Senter Company. 264,114; Nov. 19; Serial No. 287,868; published Sept. 10, 1929.
 Vinegar. L. Farkas. 264,177; Nov. 19; Serial No. 286,980; published Sept. 3, 1929.
 Vinegar. Speas Manufacturing Co. 264,161; Nov. 19; Serial No. 273,476; published Sept. 10, 1929.

CLASS 48

Beverage, Cereal. Elliott Beverage Company. 264,064; Nov. 19; Serial No. 286,554; published Sept. 10, 1929.

ALPHABETICAL LIST OF LABELS.

A B C. For Bread. A C B Bread & Baking Company. 36,641; Nov. 19.
 Anderson's Tee-Stone. For Preparation to be Used in Filling Cracks and Crevices in Iron and Stone, and to Replace Decayed Wood. C. M. Andersen. 36,642; Nov. 19.
 Angostura Dry. For Ginger Ale. J. W. Wuppermann Angostura Bitters Agency, Inc. 36,668; Nov. 19.
 Asthmatoone. For Preparation for the Treatment of Asthma. Asthmatoone Company. 36,645; Nov. 19.
 Blue Line. For Fresh Apples. Mutual Fruit Distributors. 36,658; Nov. 19.
 Cactus Plant. For a Medicine. C. Mosquides. 36,656; Nov. 19.
 Caravan. For Pitted Dates. Caravan Company. 36,648; Nov. 19.
 Clean 'Em Quick Auto Polish. For Auto Polish. H. R. Brown. 36,647; Nov. 19.
 Dé Valée. For Hosiery. Dé Valée, Inc. 36,649; Nov. 19.
 Gamma Lama Cloth. For Cloth. Gamson, Inc. 36,650; Nov. 19.
 Golden Ray Malt Extract. For Malt Extract. Silver's Home Supply. 36,664; Nov. 19.
 Green Line. For Fresh Apples. Mutual Fruit Distributors. 36,657; Nov. 19.
 Karbrite Auto Laundries. For a Preparation for Cleaning, Finishing, and Polishing Automobiles. W. B. Levey. 36,655; Nov. 19.
 Kolster Radio. For a Radio Receiving Set. Kolster Radio Corporation. 36,653; Nov. 19.
 La Verne. For Smoked Meats. Associated Meat Company of California. 36,644; Nov. 19.
 Leitson's Rye Bread. For Bread. I. Leitson. 36,654; Nov. 19.
 McKee's Rocks Baking Co. Famous Bread. For Bread. C. Glowacki. 36,651; Nov. 19.
 Prattlow Brand Fancy California Vegetables for Salad. For Vegetable Salad. Pratt-Low Preserving Company. 36,661; Nov. 19.
 Prattlow Brand Yellow Cling Peaches. For Canned Peaches. Pratt-Low Preserving Company. 36,659; Nov. 19.
 Rag Doll Brand Peach Compote. For Canned Peaches. Pratt-Low Preserving Company. 36,660; Nov. 19.
 Restoria. For Medicine. Restoria Corporation. 36,662; Nov. 19.
 Rogan Caps. For Caps. Trade Lithograph & Printing Company. 36,667; Nov. 19.
 Royal de Luxe. For Cigars. H. Shaftel. 36,663; Nov. 19.
 Shy-M Auto Polish. For Auto and Furniture Polish. F. O. Hayden. 36,652; Nov. 19.
 Stone-Kraft. For Paint. J. S. Booth. 36,646; Nov. 19.
 Sunnyfield Fashion Caps. For Caps. Trade Lithograph & Printing Company. 36,666; Nov. 19.
 Taylor Oil Liniment. For Liniment. G. C. Taylor Co. 36,665; Nov. 19.
 Theodore Roberts. For Cigars. Arcadia Cigar Co. 36,643; Nov. 19.

ALPHABETICAL LIST OF PRINTS.

A Cigarette to Respect and Enjoy. For Cigarettes. R. J. Reynolds Tobacco Company. 12,214; Nov. 19.
 Aufenger Studios, Inc. For Portraits. Aufenger Studios Incorporated. 12,193; Nov. 19.
 Babette. For Dolls. Ideal Novelty & Toy Co. 12,200; Nov. 19.
 Back Stage. For Cigarettes. R. J. Reynolds Tobacco Company. 12,216; Nov. 19.
 Caravan. For Jewelry. Marcus & Company. 12,201; Nov. 19.
 Children's Sun Glasses. For Children's Sun Glasses. Willson Products, Inc. 12,222; Nov. 19.
 For Each . . . Her Own Individually-Proportioned Stockings by Gordon. For Hosiery. Brown Durrell Company. 12,195; Nov. 19.
 Good Lines. For Cigarettes. R. J. Reynolds Tobacco Company. 12,208; Nov. 19.
 Good Taste Will Always Discover Camels. For Cigarettes. R. J. Reynolds Tobacco Company. 12,212; Nov. 19.
 Hermann. For Machinery Used in Refining Paper and Pulp. Hermann Manufacturing Company. 12,199; Nov. 19.
 Home from School—And Hungry. For Heinz 57 Varieties. H. J. Heinz Company. 12,198; Nov. 19.
 In the Sporting Manner for the Sportswoman. For Jewelry. Marcus & Company. 12,202; Nov. 19.
 It's All the Same to Me—Just So I Got a Camel. For Cigarettes. R. J. Reynolds Tobacco Company. 12,207; Nov. 19.
 It's Your Opinion That Interests Us Because We Make Camels for You to Smoke and Enjoy. For Cigarettes. R. J. Reynolds Tobacco Company. 12,205; Nov. 19.
 Just Another Good Thing Added to the Other Good Things of Life. For Cigarettes. R. J. Reynolds Tobacco Company. 12,220; Nov. 19.
 Milk Shake. For Candy Bars. F. A. Martocchio Company. 12,204; Nov. 19.
 Moments That Matter. For Cigarettes. R. J. Reynolds Tobacco Company. 12,206; Nov. 19.
 Not Lightly Chosen. For Cigarettes. R. J. Reynolds Tobacco Company. 12,218; Nov. 19.
 Now It's Unanimous. For Cigarettes. R. J. Reynolds Tobacco Company. 12,219; Nov. 19.

ALPHABETICAL LIST OF PRINTS

Old Ironsides. For Toy Electric Railway Trains. American Flyer Mfg. Co. 12,190; Nov. 19.
 On Pleasure Bent. For Cigarettes. R. J. Reynolds Tobacco Company. 12,215; Nov. 19.
 Pleasure Redoubled. For Cigarettes. R. J. Reynolds Tobacco Company. 12,210; Nov. 19.
 Plenty Hoopla Tonight. . . . 27-3. For Cigarettes. R. J. Reynolds Tobacco Company. 12,213; Nov. 19.
 Short, Average, or Long Legs . . . Plump or Slender Legs . . . Now Each Has a Gordon Individually-Proportioned Stocking. For Hosiery. Brown Durrell Company. 12,196; Nov. 19.
 Stephen B. Elkins, III—A Skillful Horseman at Twelve. For Wheat Breakfast Food. Cream of White Corporation. 12,197; Nov. 19.
 The Art of Gracious Living. For Cigarettes. R. J. Reynolds Tobacco Company. 12,209; Nov. 19.
 The Lone Eagle. For Toy Airplanes. American Flyer Mfg. Co. 12,186; Nov. 19.
 The Lone Scout. For Toy Electric Railway Trains. American Flyer Mfg. Co. 12,192; Nov. 19.
 The Minute Man. For Toy Electric Railway Trains. American Flyer Mfg. Co. 12,187; Nov. 19.
 The Pathfinder. For Toy Electric Railway Trains. American Flyer Mfg. Co. 12,191; Nov. 19.
 The Ranger. For Toy Electric Railway Trains. American Mfg. Co. 12,189; Nov. 19.
 The Sky King. For Toy Airplanes. American Flyer Mfg. Co. 12,185; Nov. 19.
 The Stone of Heaven. For Jewelry. Marcus & Company. 12,203; Nov. 19.
 The Warrior. For Toy Electric Railway Trains. American Flyer Mfg. Co. 12,188; Nov. 19.
 Thrilling. For Cigarettes. R. J. Reynolds Tobacco Company. 12,217; Nov. 19.
 When You Buy Your Next Stockings. For Gordon Hosiery. Brown Durrell Company. 12,194; Nov. 19.
 While Waiting. For Cigarettes. R. J. Reynolds Tobacco Company. 12,211; Nov. 19.
 Willson Goggles. For Goggles. Willson Products, Inc. 12,221; Nov. 19.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- A C Spark Plug Company. (See Eshbaugh, Jesse E., assignor.)
A C Spark Plug Company. (See Helgeby, Ralph O., assignor.)
A C Spark Plug Company. (See Keeney, Don E., assignor.)
Acetylene Stove Manufacturing Company, The. (See Davis, Ernest L., assignor.)
Acoustic Products Company. (See Hutchison, Miller R., assignor.)
Adams, William E., et al. (See Aring, W. J., and Adams, assignors.)
Addison, Amos L., Long Beach, assignor, by mesne assignments, to Stewart Curtis Packers, Inc., Los Angeles, Calif. Pimiento roaster. 1,736,107; Nov. 19.
Aerovox Wireless Corporation. (See Schecker, Henry F., assignor.)
Aird, Kenneth, London, England. Gas fire. 1,736,241; Nov. 19.
Air-Seale Company, The. (See Morley, Earl M., assignor.)
Akins, B. L., Inc. (See Smith, Ira W., assignor.)
Aktiebolaget Ljungströms Aputurbin. (See Lysholm, Alf, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Keller, Gottlieb, assignor.)
Aktieselskabet de Forenede Bryggerier. (See Larsen, Svend H., assignor.)
Aland, Richard C. (See Baker, W. E., and Aland.)
Alberfoyle Manufacturing Company. (See Ashton, Francis E., assignor.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Speed-control system. 1,736,689; Nov. 19.
Algrain, Paul, La Croyere, Belgium. Rolling stock of railways, tramways, or road transport. 1,736,690; Nov. 19.
Allen, Arthur W., Berkeley, Calif. Crystallization process. 1,735,987; Nov. 19.
Allen, William H., assignor, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich. Rust-proofing articles of iron and steel. 1,735,842; Nov. 19.
Altorfer Bros. Company. (See Deffbaugh, Mark A., assignor.)
Aluminum Company of America, The. (See Bjornson, Ingvar B., assignor.)
Amann, August, Wiesbaden, Germany, assignor to Chemische Fabriken Dr. Kurt Albert G. m. b. H., Bleibach-on-the-Rhine-Amoenburg, Germany. Reaction product of a natural resin-phenolic resinous material and making same. 1,736,757; Nov. 19.
American Chemical Paint Company. (See Gravel, James H., assignor.)
American Engineering Company. (See Smith, George E., assignor.)
American La France and Foamite Corporation. (See Gilbert, Victor G. W., assignor.)
American Luigi Corporation. (See Lay, E., and Mattick, assignors.)
American Optical Company. (See Poeton, Lawrence, assignor.)
Americann Rolling Mill Company, The. (See Naugle, H. M., and Townsend, assignors.)
American Rolling Mill Company, The. (See Townsend, Arthur J., assignor.)
American Rubber Company. (See Hopkinson, E., and Teague, assignors.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Sales Book Company. (See Hagemann, Louis F., assignor.)
American Sales Book Company. (See Hagemann, L. F., and Greig, assignors.)
American Shipbuilding Company, The. (See Bodenlos, Robert L., assignor.)
Americann Stove Company. (See Moecker, Arnold H., assignor.)
American Telephone and Telegraph Company. (See Martin, W. H., and Strieby, assignors.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See St. John, Everett, assignor.)
American Telephone and Telegraph Company. (See Ver-nam, Gilbert S., assignor.)
American Telephone and Telegraph Company. (See Watson, E. F., and Swezey, assignors.)
Anaconda Wire and Cable Company. (See Bryant, Henry E., assignor.)
Ancira, Gonzalo, Houston, Tex. Safety lock. 1,735,843; Nov. 19.
Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Fastening for threadless pipes. 1,736,145; Nov. 19.
Anderson, Gilbert L., and R. F. Bullen, assignors to Art Metal Construction Company, Jamestown, N. Y. Guide suspension for drawers and other movable elements. 1,736,108; Nov. 19.
Anderson, Olaf A., deceased, Hamilton, Ohio; The Citizens Savings Bank and Trust Company, executor. Motor-vehicle lock. Re17,489; Nov. 19.
Anderson, Percy G., Elgin, Ill. Corn pad. 1,736,515; Nov. 19.
Anderson, Robert G., Elmhurst, New York, N. Y., assignor to International Motor Company, New York, N. Y. Body-bolster construction. 1,735,887; Nov. 19.
Andrews, Chester E. (See Canon, F. A., and Andrews.)
Ansehl, Benjamin, St. Louis, Mo. Dispenser. 1,736,146; Nov. 19.
Appar, Frank A., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,735,988; Nov. 19.
Applin, Ole E., Culbertson, Mont. Feed-gate control. 1,736,691; Nov. 19.
Appleton Electric Company. (See Anderson, Ernst G. K., assignor.)
Appleton Electric Company. (See Goetzelman, William, assignor.)
Arbuckle, James B., Charleroi, and W. Deijfer, Donora, Pa. Wrench. 1,736,385; Nov. 19.
Archer, Thomas P. (See Edgar, F. M., and Archer.)
Aring, Walter J., Cleveland Heights, and W. E. Adams, assignors of one-fourth to W. E. Adams, Akron, and one-fourth to W. F. Mosman, East Cleveland, Ohio, and one-half to said Aring. Bank-vault structure. 1,736,184; Nov. 19.
Armistead, Hubert McL. (See Rosenthal, C., and Armistead.)
Armstrong, Bonnie. (See Reece, V. M., and Armstrong.)
Arnold, Clifton W., Houston, Tex. Display device. 1,736,567; Nov. 19.
Arrigo, Frank, Jr., and F. Sunseri, Los Angeles, Calif. Powder insufflator. 1,736,147; Nov. 19.
Arrow-Hart and Hegeman Electric Company, The. (See Grier, Edward B., assignor.)
Art Metal Construction Company. (See Anderson, G. L., and Bullen, assignors.)
Ashton, Francis E., assignor to Aberfoyle Manufacturing Company, Chester, Pa. Loom. 1,736,029; Nov. 19.
Ashton, Francis E., assignor to Aberfoyle Manufacturing Company, Chester, Pa. Shuttle. 1,736,030; Nov. 19.
Ashton, Richard A. (See Smith, E. R., and Ashton.)
Associated Lead Manufacturers Limited. (See Waring, Horace, assignor.)
Atkinson, Walter V., Berkeley, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Manufacturing lubricating grease. 1,736,302; Nov. 19.
Attendu, André C., Montreal, Quebec, Canada. Fuel pump. 1,736,242; Nov. 19.
Aulmann, William G., Los Angeles, Calif. Lead clutch for mechanical pencils. 1,736,568; Nov. 19.
Automotive Royalties Corporation, Inc. (See Jonsson, Sven M., assignor.)
Autopoint Company. (See Dell, Frank C., assignor.)
Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)
Bailey, Dorian. (See Bailey, Richard D. and D.)
Bailey, Ervin G., Cleveland Heights, Ohio, assignor, by mesne assignments, to Fuller Lehigh Company. Apparatus for feeding and metering pulverulent material. 1,736,243; Nov. 19.
Bailey Meter Company. (See Smith, Arthur R., assignor.)
Bailey, Richard D. and D. Seaforth, England. Sky writing. 1,736,516; Nov. 19.
Bailey, Arthur F., Yardville, N. J. Combined arm rest and prop. 1,736,569; Nov. 19.
Balrd, John L., assignor to Television Limited, London, England. Television and like system. 1,735,946; Nov. 19.
Baker, George R., London, England, assignor to Baker Perkins Company, Incorporated, New York, N. Y. Conveying apparatus. 1,736,517; Nov. 19.
Baker, Lonnie G., Mineral Wells, Tex. Ball shooting gallery. 1,736,244; Nov. 19.
Baker Perkins Company. (See Baker, George R., assignor.)
Baker, William E., et al., trustees. (See Baker, W. E., and Aland, assignors.)

Baker, William E., and R. C. Aland, assignors to W. E. Baker and G. A. Frantz, trustees of The Web Engineering Company, Cleveland, Ohio. Valve. 1,735,888; Nov. 19.

Baldwin, Clarence D., Bellingham, Wash. Railroad gauge bridge. 1,736,031; Nov. 19.

Baldwin, Clarence D., Bellingham, Wash. Splice bar. 1,736,032; Nov. 19.

Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Metal gear rim and making same. 1,736,758; Nov. 19.

Ball, Edmund H. (See Hurst, J. E., and Ball.)

Banigan, Thomas F. (See Bassett, H. P., and Banigan.)

Bargesser, John H., McKees Rocks, Pa. Lubricating device. 1,736,692; Nov. 19.

Barlow, Lester P., Detroit, Mich. Fuel-supplying system. 1,736,033; Nov. 19.

Barnes, Robert O., Phoenix, Ariz. Razor. 1,736,386; Nov. 19.

Barraket, Jacob A., Brooklyn, N. Y. Hair waver. 1,735,989; Nov. 19.

Barratt, William T., assignor to Charles Cooper Company, Bennington, Vt. Tension device for knitting machines. 1,736,387; Nov. 19.

Barrow, Hepburn & Gale, Limited. (See Waterer, John W., assignor.)

Barton, James S., Hollywood, Calif. Wind cone. 1,736,109; Nov. 19.

Basar, Michael M., Jr., Omaha, Nebr. Stocking protector. 1,736,245; Nov. 19.

Bassett, Harry F., Cynthia, Ky., and T. F. Banigan, Clifton, Heights, Pa., assignors, by mesne assignments, to said Bassett, Manufacturing artificial silk and the like. 1,736,280; Nov. 19.

Bassett, Preston R., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. High and medium intensity searchlight. 1,735,947; Nov. 19.

Bast, Emil, Berlin, Germany. Sanitary closet. 1,736,478; Nov. 19.

Battery Service Stations, Inc. (See Davis, Jasper N., assignor.)

Bayerl, Alfons. (See Helmann, H., Seefried, Petersen, and Bayerl.)

Beatty, John D., Los Angeles, Calif. Paper-making machine. 1,736,570; Nov. 19.

Beaudry, George P., Montreal, Quebec, Canada. Metal-vapor lamp. 1,736,642; Nov. 19.

Beck, Lester E., Kelly Station, Pa. Electrically-operated power device. 1,736,643; Nov. 19.

Becklin, Oscar, Seattle, Wash. Quick-set wrench. 1,736,303; Nov. 19.

Beckwith, Clinton H. (See Olson, C. A., and Beckwith.)

Bedford, Charles S., Leeds, England. Mordanting and dyeing of wool. 1,735,844; Nov. 19.

Beemer, Frank, assignor to Nice Ball Bearing Company, Philadelphia, Pa. Ball-bearing caster. 1,736,110; Nov. 19.

Beese, Bertram E., Wareham, Mass. Automatic syringe. 1,736,573; Nov. 19.

Beetham, Maurice F., and R. H. Moore, assignors to Whiting Corporation, Harvey, Ill. Door closure for rotatable receptacles. 1,737,490; Nov. 19.

Behen, John J., Soledad, Calif. Combination weather strip. 1,736,693; Nov. 19.

Behr-Manning Corporation. (See Crupl, Frank J., assignor.)

Behr-Manning Corporation. (See Schacht, Elmer C., assignor.)

Behr-Manning Corporation. (See Stever, William, assignor.)

Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Making base-exchange materials. 1,736,281; Nov. 19.

Beisinger, Daniel, assignor to R. Hoe & Co., Inc., New York, N. Y. Saw. 1,736,571; Nov. 19.

Bekius, Nicholas. (See Irwin, R. W., and Bekius.)

Bell, Charles W., Wilkesburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,736,388; Nov. 19.

Bell, John C., Sheffield, England, assignor, by mesne assignments, to Centrifugal Pipe Corporation, Wilmington, Del. Centrifugal casting of hollow bodies of metal. 1,736,424; Nov. 19.

Bell, William D., assignor of one-fourth to E. P. Corbett, Columbus, Ohio. Grease gun. 1,736,644; Nov. 19.

Bell, William D., assignor of one-fourth to E. P. Corbett, Columbus, Ohio. Grease gun. 1,736,645; Nov. 19.

Belnap, Lewis L., Oakland, Calif. Portable saw standard. 1,735,990; Nov. 19.

Benjamin, Harry S., Detroit, Mich. Height-measuring apparatus. 1,736,185; Nov. 19.

Benjamin, Merrill G., Lakewood, Ohio. Power instrument and meter. 1,736,304; Nov. 19.

Bennett, Clarence D., Mertens, Tex. Tool joint. 1,735,991; Nov. 19.

Beut, George H., Battle Creek, Mich. Carton. 1,735,915; Nov. 19.

Berg, Charles C., Detroit, Mich. Floor mat for automobiles. 1,736,572; Nov. 19.

Bergner, Otto, Schonwald, Germany. Dish. Des. 79,917; Nov. 19.

Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Valve-facing tool. 1,736,739; Nov. 19.

Berliner, Robert. (See Trautner, W., Stein, and Berliner.)

Berryman, Viola, and G. C. Hoxie, Concord, Calif. Sliding-screen construction. 1,736,336; Nov. 19.

Beth, Hugo W. H. (See Larson, T., and Beth.)

Bethlehem Steel Company. (See Lachman, Maurice, assignor.)

Bethlehem Steel Company. (See Lewis, R. A., and Eynon, assignors.)

Bethlehem Steel Company. (See Schenck, C., and Fine, assignors.)

Bethlehem Steel Company. (See West, Arthur J., assignor.)

Billington, Arthur M. (See Straussler, Nicholas, assignor.)

Bluks, Squire, Toronto, Ontario, Canada. Desk file. 1,736,574; Nov. 19.

Bjornson, Ingvar B., New Kensington, assignor to The Aluminum Company of America, Pittsburgh, Pa. Cooking vessel. 1,736,479; Nov. 19.

Black-Clawson Company, The. (See Harvey, George H., assignor.)

Blair, Vilray P., St. Louis, Mo. Skin-graft surgical instrument. 1,736,246; Nov. 19.

Blau, Ernst, Berlin, Germany. Stop for locating work in machine tools. 1,735,694; Nov. 19.

Blum, Emil C., Hellerup, near Copenhagen, Denmark. Automatic switch. 1,735,845; Nov. 19.

Blom, Axel V., Grosshochstetten, Switzerland. Producing pigmentary base products for lead paints. 1,736,066; Nov. 19.

Blond, Harold L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire-drawing apparatus. 1,735,846; Nov. 19.

Bloss, Richard R., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Pitman structure. 1,736,740; Nov. 19.

Blough, John T. B., East Pittsburgh, and E. E. Chronister, Turtle Creek, Pa. Variable condenser. 1,735,889; Nov. 19.

Bluhm, Harold J., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Bowling pin. 1,736,425; Nov. 19.

Boca, Joseph, Flint, assignor to General Motors Corporation, Detroit, Mich. Metal running board. 1,735,948; Nov. 19.

Bode, Peter J., St. Louis, Mo. Ladder. 1,735,992; Nov. 19.

Bodenlos, Robert L., assignor to The American Shipbuilding Company, Cleveland, Ohio. Pitchometer. 1,736,247; Nov. 19.

Boedeker, Walter U., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire-drawing apparatus. 1,735,850; Nov. 19.

Boerder, Anton, Cleveland, Ohio. Tire mold. 1,735,916; Nov. 19.

Boettcher, Arthur H., et al. (See Brown, Charles A., assignor.)

Bolin, Simon, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Reed structure and the like. 1,735,847; Nov. 19.

Bond, Joseph E., assignor to Hayton Pump & Blower Co., Appleton, Wis. Pump bearing. 1,736,426; Nov. 19.

Bongel, William A., Cambridge, Kans. Road plow. 1,736,575; Nov. 19.

Borel, Arnold E., Butte, Mont. Fisherman's fly and tackle case. 1,736,337; Nov. 19.

Borough, Willard L. (See Carnahan, Earl J., assignor.)

Botson, René, Anderghem-Brussels, Belgium. Purifying crude sodium sulphide and the product thereof. 1,736,741; Nov. 19.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold book. 1,735,848; Nov. 19.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Strip-feed regulator and aligner. 1,735,849; Nov. 19.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Construction facilitating multiple carbon separation and control. 1,736,427; Nov. 19.

Bouton, Edgar M., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Elevator-control system. 1,736,480; Nov. 19.

Bouton, Edgar M., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,736,481; Nov. 19.

Bowser, Percy L. (See Flamang, J., and Bowser.)

Boyd, Paul F., Chicago, Ill. Portable horsepower. 1,736,389; Nov. 19.

Bradner, Hosea T. (See Young, Hugh C., assignor.)

Brady, Charles T., Detroit, Mich. Magnifying and illuminating device. 1,735,949; Nov. 19.

Brammer, Anthony C., Wichita, Kans., assignor of two-thirds to J. T. McInnes, Tulsa, Okla. Stuffing box. 1,736,646; Nov. 19.

Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,736,067; Nov. 19.

Braren, Lorenz K., Munich, Germany. Injection of liquid fuel in internal-combustion engines. 1,736,647; Nov. 19.

Brasch, Ernest, Nezperce, Idaho. Attachment for harvesters. 1,735,950; Nov. 19.

Brass Goods Mfg. Co. (See Hyatt, Frank S., assignor.)

Braunsdorf, Otto. (See Holzapfel, E., and Braunsdorf.)

Breeding, Ruth W., Philadelphia, Pa., now, by judicial order, R. G. Williams. Eya dropper. 1,736,731; Nov. 19.

Brewer, Charles A., Darien, Conn., assignor to Cannon Engineering Co., Brooklyn, N. Y. Electric steam-pressing appliance. 1,736,148; Nov. 19.

Bricken, John, Los Angeles, assignor of one-half to Regan Forge & Engineering Company, San Pedro, Calif. Automatic feed-control apparatus for well-drilling mechanisms. 1,736,518; Nov. 19.

Briggs Manufacturing Company. (See Marshall, William, assignor.)

Brill, J. G., Company, The. (See Brooks, James A., assignor.)

Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet retarding and piling mechanism. 1,736,482; Nov. 19.

Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet-feeding mechanism. 1,736,483; Nov. 19.

Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Conveyor and guide. 1,736,484; Nov. 19.

Brogden, Ernest M., Pomona, Calif., assignor to Brogden Company, Winter Haven, Fla. Fruit-treating apparatus. 1,736,759; Nov. 19.

Brogden Company. (See Brogden, Ernest M., assignor.)

Brooke, Frank W., Pittsburgh, Pa. Bar-heating furnace. 1,736,248; Nov. 19.

Brooks, James A., Kirkllyn, assignor to The J. G. Brill Company, Philadelphia, Pa. Gas-electric car. 1,736,696; Nov. 19.

Brown & Bigelow. (See Fischer, Howard L., assignor.)

Brown, Boettcher and Diener. (See Brown, Charles A., assignor.)

Brown, Boettcher & Diener. (See Gardner, John E., assignor.)

Brown, Charles A., et al. (See Brown, Charles A., assignor.)

Brown, Charles A., Dankirk, N. Y., assignor to C. A. Brown, A. H. Boettcher, and J. A. Diener, of the Copartnership of Brown, Boettcher and Diener, Chicago, Ill. Balling press. 1,736,386; Nov. 19.

Brown-Lipe Gear Company. (See Fawick, Thomas L., assignor.)

Brown, William C., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,736,068; Nov. 19.

Browning Crane Company. (See Christie, John W., assignor.)

Brubaker, John A., assignor to The Houghton Elevator & Machine Company, Toledo, Ohio. Swing-door-operating mechanism. 1,736,580; Nov. 19.

Bruce, George W., Oseco, assignor to The Bruce Manufacturing Company, Minneapolis, Minn. Potato digger. 1,735,993; Nov. 19.

Bruce Manufacturing Company, The. (See Bruce, George W., assignor.)

Brubb, Walter, St. Louis, Mo., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Accounting method and apparatus. 1,736,259; Nov. 19.

Brune, Rudolf, Dortmund, Germany. Core-peeling device for foundries. 1,735,890; Nov. 19.

Brunswick-Balke-Collender Company, The. (See Bluhm, Harold J., assignor.)

Bryant, Henry R., Providence, R. I., assignor, by mesne assignments, to Anaconda Wire and Cable Company. Portable welding apparatus. 1,736,428; Nov. 19.

Bryant, William L., Springfield, Vt. Grinding wheel. 1,735,891; Nov. 19.

Brylitz, Limited. (See Schubert, Friedrich W., assignor.)

Buchholz, William, Ottaville, Ontario, Canada. Bottle-cap remover. 1,736,619; Nov. 19.

Buckeye Jack Manufacturing Company, The. (See Clark, Harold W., assignor.)

Bugh, Wallace W., North Tonawanda, N. Y. Vehicular traffic-signal switch. 1,736,069; Nov. 19.

Bullen, Ralph F. (See Anderson, G. L., and Bullen.)

Burdett, James H., Homewood, Ill. Display rack. Des. 79,918; Nov. 19.

Burke, Edwin, Manila, P. I. Removing detachable mold sides. 1,736,249; Nov. 19.

Burrows, William H., Newark, N. J. Making incandescent lamps. 1,736,767; Nov. 19.

Burrows, William H., Newark, N. J., assignor to General Electric Company. Apparatus for making incandescent lamps. 1,736,768; Nov. 19.

Burt, F. N., Company. (See Dreux, Alexander H., assignor.)

Burton, Ralph B., Indianapolis, Ind. Article of furniture. 1,735,851; Nov. 19.

Busch-Sulzer Bros.-Diesel Engine Company. (See Hawks, Arthur S., assignor.)

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,736,732; Nov. 19.

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,736,733; Nov. 19.

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,736,734; Nov. 19.

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,736,735; Nov. 19.

888 O. G.—506

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,736,736; Nov. 19.

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,736,737; Nov. 19.

Butterworth, Josephine M., et al. (See Butterworth, Samuel D., assignor.)

Butterworth, Samuel D., Detroit, Mich., assignor of one-half to J. M. Butterworth and one-half to C. P. Gable, Gable, S. C. Treating cypress. 1,736,188; Nov. 19.

Cable, George W., Marysville, Calif. Elastic shoe sole. 1,736,576; Nov. 19.

Cadwell, Sidney M., Leonia, N. J., assignor to The Nausa-tuck Chemical Company, Naugatuck, Conn. Phenyl methylene bis diethyl dithiocarbamate and making the same. 1,736,429; Nov. 19.

Cameron, James A., Winnipeg, Canada. Multiple manipulating suspension arm. 1,736,250; Nov. 19.

Campbell, Cornelius, Edmonton, Alberta, Canada. Direction-signaling device for vehicles. 1,736,485; Nov. 19.

Campbell, Julian A., Long Beach, Calif. Absorption. 1,736,070; Nov. 19.

Campbell, Thomas P., et al. (See Sherrick, Samuel T., assignor.)

Canada Machinery Corporation Limited. (See Marshall, James J., assignor.)

Carson Engineering Co. (See Brewer, Charles A., assignor.)

Canon, Frank A., and C. E. Andrews, assignors to The Golden Research & Engineering Corporation, Pittsburgh, Pa. Carrying on catalytic reactions. 1,735,951; Nov. 19.

Castella, Michele, Roslindale, assignor to Prince Macaroni Manufacturing Company Inc., Boston, Mass. Drier. 1,736,305; Nov. 19.

Capper, Robert W., Garfield Heights, Ohio, assignor, by mesne assignments, to Industrial Brownhoist Engineering Corporation. Car-dumping apparatus. 1,736,520; Nov. 19.

Carbide and Carbon Chemicals Corporation. (See Ray, Arthur B., assignor.)

Carmila, Samuel, Syracuse, N. Y. Window-frame construction. 1,735,952; Nov. 19.

Carnahan, Earl J., Santa Fe Springs, assignor of one-half to W. L. Borough, Los Angeles, Calif. Standing-valve construction. 1,736,486; Nov. 19.

Carrar, C. R., Company. (See Fellows, Walter C., assignor.)

Cass, Oscar D., et al. (See Nye, Sherman G., assignor.)

Castiglia, Biagio, Bronx, N. Y. Headlight-controlling device. 1,736,577; Nov. 19.

Cayer, Theodore E., Taunton, Mass., assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 79,919; Nov. 19.

Central Alloy Steel Corporation. (See Moyer, Fredell H., assignor.)

Central Ohio Steel Products Company, The. (See Robinson, Dighton A., assignor.)

Centrifugal Castings Limited. (See Hurst, J. E., and Ball, assignors.)

Centrifugal Pipe Corporation. (See Bell, John C., assignor.)

Chain Belt Company. (See Ball, Charles F., assignor.)

Chambers, Gayman. (See Coss, D., and Chambers.)

Chase, Daniel H., assignor to The Slager Manufacturing Company, Elizabeth, N. J. Sewing-machine case. 1,736,306; Nov. 19.

Cheatham Electric Switching Device Company. (See Crapo, P. H., and Rabun, assignors.)

Chemische Fabriken Dr. Kurt Albert G. m. b. H. (See Amann, August, assignor.)

Cherry-Burrell Corporation. (See Rosenfeld, Louis, assignor.)

Chicago Pneumatic Tool Company. (See Davenport, Ramsom W., assignor.)

Chiles, George S., assignor, by mesne assignments, to Scullia Steel Co., St. Louis, Mo. Side frame. 1,736,251; Nov. 19.

Christie, John W., Aven, N. J., assignor, by mesne assignments, to Browning Crane Company, Cleveland, Ohio. Drive for motor vehicles. 1,736,391; Nov. 19.

Chronister, Elmer E. (See Blough, J. T. B., and Chronister.)

Chudner, Joseph, New York, N. Y. Speed-control pulley. 1,736,578; Nov. 19.

Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)

Cincinnati Grinders Incorporated. (See Kern, Fred M., assignor.)

Citizens Savings Bank and Trust Company, The, executor. (See Anderson, Olaf A.)

Clark, Harold W., assignor to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Tire-rim tool. 1,736,727; Nov. 19.

Clark, Ralph C., assignor of forty-nine per cent to F. E. McCaughey, Los Angeles, Calif. Platoon construction. 1,736,253; Nov. 19.

Clausen, Ingard M., and R. A. Pierce, Phoenix, Ariz. Rule for measuring weir discharge. 1,735,992; Nov. 19.

Clausen, Ingard M., and R. A. Pierce, Phoenix, Ariz. Measuring weir discharge and rules therefor. 1,735,993; Nov. 19.

Clavette, Belouie, Edmundston, New Brunswick, Canada. Refrigerating plant. 1,736,648; Nov. 19.

Coleman, Thomas L., Los Angeles, Calif. Elevator. 1,736,187; Nov. 19.
 Collar, Lloyd D., assignor to Collar Valve Corporation, Berkeley, Calif. Valve and valve-stem construction for self-grinding valves. 1,736,253; Nov. 19.
 Collar Valve Corporation. (See Collar, Lloyd D., assignor.)
 Collins, George D., Houston, Tex. Pump. 1,735,893; Nov. 19.
 Collins, Patrick W. (See Westbury, W., and Collins.)
 Collis, Meyer, Philadelphia, Pa. Die for imprinting plastic masses. 1,736,579; Nov. 19.
 Colona Manufacturing Company. (See Shrum, Peter J., assignor.)
 Condon Company, The. (See Rosenthal, C., and Armistead, assignors.)
 Conrad, Ray, Wapato, Wash. Box tongs. 1,735,917; Nov. 19.
 Continental Can Company. (See Humphrey, Glen S., assignor.)
 Converse Rubber Company. (See Paterson, Morton L., assignor.)
 Cook, Roy M. (See Lint, J. N., and Cook.)
 Coombs, Fred H., Lynn, assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Label. 1,735,894; Nov. 19.
 Coons, Emanuel W., Hibbing, Minn. Grappling fork. 1,735,994; Nov. 19.
 Cooper, Charles, Company. (See Barratt, William T., assignor.)
 Cooper, Jehangir M., Bombay, India. Printing apparatus. 1,736,034; Nov. 19.
 Cooper, John, Evanston, Ill. Toy railroad track. 1,736,487; Nov. 19.
 Corbett, Edwin P. (See Bell, William D., assignor.)
 Corwin, Charles P., Brownwood, Tex. String-tensioning device for self-playing stringed instruments. 1,736,580; Nov. 19.
 Cosw, Dorris, and G. Chambers, Columbus, Ohio. Pipette. 1,736,392; Nov. 19.
 Cote, Francois, Dracut, Mass. Filling-cutting device for shifting-shuttle-box looms. 1,736,488; Nov. 19.
 Courtlands Limited. (See Topham, C. F., Hazeley, and Morton, assignors.)
 Cowdick, Frank B., Philadelphia, Pa. Furnace-door attachment. 1,736,521; Nov. 19.
 Cox, A. M., et al. (See Wilson, James R., assignor.)
 Crabbe, Lindsay T., assignor to Phoenix-Hermite Company, Chicago, Ill. Adjustable wrench. 1,736,696; Nov. 19.
 Crago, Paul H., and G. D. Rabun, assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Railway-switching device. 1,735,954; Nov. 19.
 Cramer, Albert M., Philadelphia, Pa., assignor to Horn and Hardart Baking Company, Coin-slot protector. 1,736,522; Nov. 19.
 Crane Co. (See Houser, A. M., and Dopp, assignor.)
 Crane Co. (See Olson, C. A., and Beckwith, assignors.)
 Cravey, James B., and P. R. Pierson, Montgomery, Ala. Dispensing device with safety lock. 1,736,489; Nov. 19.
 Crawford, Henry H., Little Rock, Ark. Measuring device. 1,736,490; Nov. 19.
 Crehan, William A., Pittsburgh, Pa. Nut-tapping machine. 1,736,581; Nov. 19.
 Cressler, Edward P., Newton, Kans. View-changer for stereoscopes. 1,736,071; Nov. 19.
 Cribben & Sexton Company. (See MacInnes, Robert H., assignor.)
 Cross, Frank L., Port Washington, N. Y., and H. Hallstream, Brockton, Mass., assignors to Cross Paper Feeder Company. Paper-feeding machine. 1,736,340; Nov. 19.
 Cross Paper Feeder Company. (See Cross, F. L., and Hallstream, assignors.)
 Crupl, Frank J., Brooklyn, N. Y., assignor to Behr-Manning Corporation. Waterproof abrasive fabric. Re-17,491; Nov. 19.
 Curly Macaroni Mould Co. (See Lubrano, Giuseppe, assignor.)
 Curtis, Harry D., Oakbrook, Wis., assignor to D. Wandscheer, G. Wandscheer, J. Wandscheer, and B. Wandscheer, Sioux Center, Iowa. Snow remover. Re-17,498; Nov. 19.
 Cutler-Hammer, Inc. (See Harwood, Paisley B., assignor.)
 Cutler, Samuel R., administrator. (See Furber, Frederick M.)
 Cycle Company, The. (See Kurie, Charles W., Jr., assignor.)
 Daesen, John R., Peru, and L. E. Wemple, Chicago, assignors to Illinois Zinc Company, Chicago, Ill. Apparatus for pouring molten metal. 1,736,188; Nov. 19.
 Daland, Elliott, Torresdale, assignor to Keystone Aircraft Corporation, Bristol, Pa. Landing gear for airplanes. 1,735,852; Nov. 19.
 Darling, J. Frank. (See Schutte, Karl H., assignor.)
 Davenport, Ramsom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerating system. 1,735,995; Nov. 19.
 Davidoff, Louis, Brooklyn, N. Y. Necktie. 1,736,697; Nov. 19.
 Davidson, James H., assignor to Hood Rubber Company, Watertown, Mass. Apron conveyor. 1,736,582; Nov. 19.

Davidson, Thomas M., Hatch End, Middlesex, England. Separation of minerals and other substances. 1,736,111; Nov. 19.
 Davis, Anthony E., Philadelphia, Pa. Adjustable wall-radiator support. 1,736,307; Nov. 19.
 Davis, Ernest L., assignor to The Acetylene Stove Manufacturing Company, Cleveland, Ohio. Iron. 1,736,698; Nov. 19.
 Davis, Homer J., Wilmington, Del. Forming vulcanized-fiber tubes. 1,736,699; Nov. 19.
 Davis, Homer J., Wilmington, Del. Machine for cutting or shearing tubes. 1,736,700; Nov. 19.
 Davis, Jasper N., assignor to Battery Service Stations, Inc., Denver, Colo. Continuous-casting machine. 1,736,308; Nov. 19.
 Davis, Ray L., assignor to The Oil Recovery Corporation, Wheeling, W. Va. Seater and packer. 1,736,254; Nov. 19.
 Dayton Rubber Manufacturing Company, The. (See Toulmin, Harry A., Jr., assignor.)
 Decker, James M., et al. (See Jones, Albert, assignor.)
 Decker, Theodore H., Highland Park, Ill. Golf game board. 1,736,523; Nov. 19.
 Debaugh, Mark A., assignor to Altorfer Bros. Company, Peoria, Ill. Washing machine. 1,735,996; Nov. 19.
 De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound-reproducing device. 1,736,035; Nov. 19.
 Delke, Ulric C., Washington, D. C. Golf tee. 1,736,583; Nov. 19.
 Delco-Bemy Corporation. (See Rippling, Edward V., assignor.)
 Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Pencil. 1,736,430; Nov. 19.
 Del Pilar, Loreto, Seattle, Wash. Vehicle signal. 1,735,895; Nov. 19.
 Demand, Arthur G., Appleton, Wis. Safety switch for vehicle doors. 1,736,189; Nov. 19.
 De Mattia, Berthold, Garfield, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Collapsible core. 1,735,955; Nov. 19.
 De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Collapsible core structure. 1,735,896; Nov. 19.
 Denner, Ludwig, Hamburg, Germany. Paper holder for typewriters. 1,736,112; Nov. 19.
 Depfer, William. (See Arbuckle, J. B., and Depfer.)
 Det Norske Aktieselskab for Elektrokemisk Industri of Norway. (See Sem, M. O., and Söderburg, assignors.)
 Detrick, M. H., Company. (See Ellman, Louis, assignor.)
 De Vilbiss Company, The. (See De Vilbiss, Thomas A., assignor.)
 De Vilbiss Company, The. (See Mueller, Godfrey A., assignor.)
 De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 1,736,593; Nov. 19.
 Dexheimer, Christian, assignor to Leipziger Schnellpressenfabrik Akt.-Ges. Schmeiers, Werner & Stein, Leipzig, Germany. Preventing damage to the doctor and printing cylinder of copper-plate-printing machines. 1,736,431; Nov. 19.
 De Yaga, Jesús, Olavarria, Argentina. Coupling system. 1,736,936; Nov. 19.
 Diago, Federico G., Habana, Cuba. Elevator. 1,736,584; Nov. 19.
 Dienger, John A., et al. (See Brown, Charles A., assignor.)
 Dierker, Arthur H., Columbus, Ohio. Grinding machine. 1,736,394; Nov. 19.
 Dispersoid Syndicate, Ltd. (See Plauson, Hermann, assignor.)
 Dixon, Harry, assignor to Rolascree Company, Pella, Iowa. Plaster-channel installation for screen guides. 1,736,432; Nov. 19.
 Dixon, Harry, assignor to Rolascree Company, Pella, Iowa. Casing-supporting and track-receiving device. 1,736,760; Nov. 19.
 Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,735,997; Nov. 19.
 Dobill, John J., Chicago, Ill. Mop and brush holder. 1,735,918; Nov. 19.
 Dölling, Arthur, Siebenbrunn, Germany. Pedal protector. 1,736,309; Nov. 19.
 Dolphin, James, Hampton-in-Arden, assignor of one-third to H. J. Yates, London, and M. Howlett & Company, Limited, Birmingham, England. Automatic control apparatus for gas burners. 1,736,649; Nov. 19.
 Domagall, John E., assignor to W. H. Mase Company, Peru, Ill. Device for setting glaziers' points. 1,736,190; Nov. 19.
 Dopp, Carl A. (See Houser, A. M., and Dopp.)
 Dotson, Kent B., Los Angeles, Calif. Temporary broken-spring support for motor vehicles. 1,736,113; Nov. 19.
 Doughty, Howard W., Amherst, Mass. Sprinkler head. 1,736,255; Nov. 19.
 Doughty, Howard W., Amherst, Mass. Sprinkler head. 1,736,256; Nov. 19.
 Douglass, Owen T., Kalaheo, Hawaii. Canning apparatus. 1,736,257; Nov. 19.
 Dreux, Alexander H., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada. Paper box. 1,735,853; Nov. 19.
 Dreyfus, Henry, London, England. Manufacture of acetic anhydride. 1,735,956; Nov. 19.

Dreyfus, Henry, London, England. Manufacture of acetic anhydride. 1,735,957; Nov. 19.
 Dreyfus, Henry, London, England. Acetic anhydride. 1,735,958; Nov. 19.
 Dreyfus, Henry, London, England. Manufacture of an aliphatic compound. 1,735,959; Nov. 19.
 Dreyfus, Henry, London, England. Dyeing of materials made of or containing cellulose derivatives. 1,735,960; Nov. 19.
 Dreyfus, Henry, London, England. Dyeing of materials made of or containing cellulose derivatives. 1,735,961; Nov. 19.
 Dreyfus, Henry, London, England. Manufacture of an aliphatic compound. 1,735,962; Nov. 19.
 Dreyfus, Henry, London, England. Dyeing of materials made of or containing cellulose derivatives. 1,735,963; Nov. 19.
 Dudley Lock Corporation, The. (See Wining, R. K., and Thorp, assignors.)
 Dundin, Wilfrid L., and E. S. Stehl, assignors of one-third to F. E. Reynolds, one-third to said Dundin, and one-third to said Stehl, Seattle, Wash. Cross air connection for twin tires. 1,736,191; Nov. 19.
 Dunmire, Russell P., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,736,149; Nov. 19.
 Dunmire, Russell P., and D. E. Kellogg, assignors to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,736,150; Nov. 19.
 Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Index for filing appliances. 1,736,395; Nov. 19.
 Du Pont Ammonia Corporation. (See Williams, Roger, assignor.)
 Du Pont, E. I., de Nemours & Company. (See Hitch, E. F., and Jordan, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Waldron, William R., assignor.)
 Dura Company, The. (See Graf, George, assignor.)
 Duschak, Lionel H., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif. Using amalgam. 1,736,072; Nov. 19.
 Duval, James, Camas, Wash. Reinforcing closure means for paper bags. 1,736,396; Nov. 19.
 Early, Eliza A. (See Wright, James W., assignor.)
 Eastman Kodak Company. (See Fuerst, Carl C., assignor.)
 Easton, Glenn S., Buchanan, Mich. Refuse container. 1,736,192; Nov. 19.
 Easton Axle & Spring Company, The. (See Reid, James S., assignor.)
 Ebinger, D. A., Sanitary Mfg. Co., The. (See Smith, Aden E., assignor.)
 Ecker, John O., San Mateo, Fla. Inflation device for pneumatic tires. 1,736,258; Nov. 19.
 Eckland, Peter S., Minneapolis, Minn. Adjustable seat. 1,736,701; Nov. 19.
 Economy Electric Devices Company. (See Elsom, James D., assignor.)
 Edgar, Frank M. (See Fauser, F. J., and Edgar.)
 Edgar, Frank M., and T. P. Archer, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Handle assembly. 1,735,897; Nov. 19.
 Elsel, Vernon G., Baltimore, Md. Automatic control device for heat transfer systems. 1,736,491; Nov. 19.
 Elser, Fritz, Rheinhausen-Niederrhein, Germany. Mattress for baby carriages and cribs. 1,736,841; Nov. 19.
 Electrolux Servel Corporation. (See Munsters, Carl G., assignor.)
 Elkin, Jacob G., New York, N. Y. Hand tool. 1,735,998; Nov. 19.
 Elliott-Fisher Company. (See Gibson, Franklin C., assignor.)
 Ellis, Claude, assignor of one-half to C. J. Ellis, Springfield, N. Y. Ash receiver. Re-17,492; Nov. 19.
 Ellis, Clayton J. (See Ellis, Claude, assignor.)
 Ellman, Louis, Pittsburgh, Pa., assignor to M. H. Detrick Company, Chicago, Ill. Soaking-pit cover. 1,736,524; Nov. 19.
 Else, Harry D., Springfield, Mass., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,736,087; Nov. 19.
 Elsom, James D., Evanston, assignor to Economy Electric Devices Company, Chicago, Ill. Inspection indicator. 1,736,702; Nov. 19.
 Embossing Company, The. (See Rutherford, John, assignor.)
 Embree, Herbert, Hamilton, Ontario, Canada. Stovepipe. 1,736,492; Nov. 19.
 Emeloid Co., The. (See Storch, Samuel, assignor.)
 Emerson, George B., Belmont, Mass. Orthopedic manikin chart. 1,735,854; Nov. 19.
 Emery, Victor J., Alhambra, Calif. Hone or grinder. 1,736,114; Nov. 19.
 Empire Metal Products Co. Inc. (See Whitaker, Gordon T., assignor.)
 Empire Milking Machine Company. (See Oakes, Ernest C., assignor.)
 Ennise, Peyton H. (See Kindt, C. R., and Ennise.)
 Erdahl, Nicholas M., assignor to Highway Trailer Company, Edgerton, Wis. Snatch block. 1,736,193; Nov. 19.
 Erie Malleable Iron Company. (See Dunmire, Russell P., assignor.)
 Erie Malleable Iron Company. (See Dunmire, R. P., and Kellogg, assignors.)

Erskine, Ralph W., Mishawaka, Ind., assignor to Westinghouse Electric and Manufacturing Company. Head for lighting units. Des. 79,920; Nov. 19.
 Eschbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Ammeter. 1,735,919; Nov. 19.
 Eule, Martin, Berlin-Spandau, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Device for transmitting pressure impulses. 1,736,064; Nov. 19.
 Evans, James. (See Stelner, G. A., and Evans.)
 Evans, Robert D. (See Wagner, C. F., Evans, and Griscom.)
 Evalin, Leo E., Atlantic City, N. J. Adjustable toothbrush. 1,736,525; Nov. 19.
 Eynon, David L. (See Lewis, E. A., and Eynon.)
 Fagergren, William, assignor to Universal Engineering Company, Salt Lake City, Utah. Apparatus for circulating and distributing flotation pulp. 1,736,073; Nov. 19.
 Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor-unloading device. 1,735,999; Nov. 19.
 Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,736,000; Nov. 19.
 Fauser, Frederick J., and F. M. Edgar, assignors to Ternstedt Manufacturing Co., Detroit, Mich. Window-regulator connection. 1,736,703; Nov. 19.
 Fawcett, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission. 1,736,161; Nov. 19.
 Feblhaber, Fred R., New York, N. Y. Bending tool. 1,736,585; Nov. 19.
 Feldman, Abraham G., Chicago, Ill. Infant's collapsible bathtub. 1,735,965; Nov. 19.
 Fellows, Walter C., Philadelphia, Pa., assignor to C. R. Carver Company. Finger guard for presses. 1,735,855; Nov. 19.
 Fertel, Harry D., New York, N. Y. Coat. Des. 79,921; Nov. 19.
 Fertel, Harry D., New York, N. Y. Coat. Des. 79,922; Nov. 19.
 Fertel, Harry D., New York, N. Y. Coat. Des. 79,923; Nov. 19.
 Fesca, C. A., & Sohn. (See Langenberg, Theodor, assignor.)
 Field, Oscar S., Albany, N. Y., assignor to Union Switch & Signal Co. System of train control. 1,736,397; Nov. 19.
 Fine, Lewis. (See Schenck, C., and Fine.)
 Fischer, Charles, Jr., Wyoming, and L. A. Stegemeyer, assignors to The Twitchell Process Company, Cincinnati, Ohio. Treating metal to remove scale. 1,736,282; Nov. 19.
 Fischer, Edward L., Davenport, Iowa. Gas-generating apparatus. 1,736,586; Nov. 19.
 Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 1,736,194; Nov. 19.
 Fisher, Raymond, Philadelphia, Pa., assignor to Hemphill Company, Pawtucket, R. I. Automatic circular-knitting machine. 1,736,742; Nov. 19.
 Fitts-Empire Double Pivot Last Company. (See Slack, Walter W., assignor.)
 Fitzhugh, Philip A., Sumner, Miss., assignor to Fitzhugh's Seed Handler and Storage Company, Inc. Cottonseed handler. 1,735,920; Nov. 19.
 Fitzhugh's Seed Handler and Storage Company. (See Fitzhugh, Philip A., assignor.)
 Flagg, Ernest, New York, N. Y. Gauge for applying hinges. 1,736,709; Nov. 19.
 Flammang, John, University City, and P. L. Bowser, St. Louis, Mo., assignors, by mesne assignments, to The Sterling Corporation, Wilmington, Del. Piston. 1,736,001; Nov. 19.
 Fogger, David I., assignor to Peru Plow & Wheel Co., Peru, Ill. Trailer hitch. 1,736,433; Nov. 19.
 Folsom, Hiram T. (See Townsend, Joseph M., assignor.)
 Fontaine, Robert A., Martinsville, Va. Truck body. 1,736,074; Nov. 19.
 Forbes Lithograph Manufacturing Company. (See Coombs, Fred H., assignor.)
 Ford, Bruce, Philadelphia, Pa. Storage-battery cover. 1,736,115; Nov. 19.
 Ford, Bruce, Philadelphia, Pa. Filling-vent structure for storage batteries. 1,736,116; Nov. 19.
 Ford, George W. (See Ponting, H. G., and Ford.)
 Forabee, Margaret K. (See Rodger, William M., assignor.)
 Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-sequence relay. 1,736,434; Nov. 19.
 Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system for electrical apparatus. 1,736,435; Nov. 19.
 Foster, Warren D. (See Ponting, H. G., and Ford, assignors.)
 Fought, William O., Jr., West Concord, Mass. Corner brace for furniture. 1,736,195; Nov. 19.
 Fox-Case Corporation. (See Sponable, Earl I., assignor.)
 Franck, Edwin G., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,736,088; Nov. 19.
 Frank, John J., Pittsfield, Mass., assignor to General Electric Company. Electric furnace. 1,736,587; Nov. 19.

Frank, Leo C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Time-delay low-voltage release. 1,736,438; Nov. 19.

Frank, Otto H., Brooklyn, N. Y. Toggle switch. 1,736,152; Nov. 19.

Frantz, George A., et al., trustees. (See Baker, W. E., and Aland.)

Franzosa, Joseph, Philadelphia, Pa. Chair for cello players. 1,735,921; Nov. 19.

Freese, Claude H., assignor of one-fourth to M. L. Harrington, Los Angeles, and one-fourth to C. A. Lundberg, Long Beach, Calif. Airship. 1,736,439; Nov. 19.

Fried, Krupp Grusonwerk Aktiengesellschaft. (See Pape, Hermann, assignor.)

Friedman, Joseph, Brooklyn, N. Y. Support for artificial flowers. 1,736,520; Nov. 19.

Frickey, Royal E., and W. R. Layne, San Francisco, Calif. Pumping system. 1,736,002; Nov. 19.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Removable objective mount for photographic cameras. 1,736,436; Nov. 19.

Fuller, Alice M., Kansas City, Mo. Iron stand. 1,736,650; Nov. 19.

Fuller Lehigh Company. (See Bailey, Ervin G., assignor.)

Furber, Frederick M., deceased, by S. R. Cutler, administrator, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving and controlling mechanism. 1,735,898; Nov. 19.

Gable, C. P., et al. (See Butterworth, Samuel D., assignor.)

Galkan, Paul A. (See Platt, F. J., and Galgan.)

Gallagher, George F., assignor to Kren-Ko Company, Chicago, Ill. Bottle or similar article. Des. 79,924; Nov. 19.

Gallagher, George F., assignor to Kren-Ko Company, Chicago, Ill. Bottle or similar article. Des. 79,925; Nov. 19.

Galley, Elmer T., Pasadena, Calif. Metal window screen. 1,736,075; Nov. 19.

Gallimore, Keith F., Fond du Lac, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Switch. 1,736,493; Nov. 19.

Galter, Louis, Rochester, N. Y. Soliciting sheet. 1,736,598; Nov. 19.

Garcia, Gaspar, Habana, Cuba. Curtain roller. 1,736,527; Nov. 19.

Gardner, John E., Chicago, Ill. Automatic telephone system. 1,736,283; Nov. 19.

Gardner, John E., assignor to Brown, Boettcher & Diener, Chicago, Ill. Automatic telephone system. 1,736,250; Nov. 19.

Garver, Rols S., Portis, Kans. Adjustable steel vault. 1,735,990; Nov. 19.

Gatchell, Helel C., assignor to Visible Night-and-Day Street Name Signs, Incorporated, Chicago, Ill. Street sign. 1,736,437; Nov. 19.

Gay, Frank W., Newark, N. J. Electric switch. 1,736,528; Nov. 19.

Gayley, Charles T. (See Merten, W. J., and Gayley.)

Gehrlich, William F., Berkeley Heights, N. J. Detonating firework composition. 1,736,743; Nov. 19.

General Aniline Works, Inc. (See Holzappel, E., and Braunsdorf, assignors.)

General Aniline Works, Inc. (See Kirshelsen, T., and Guertler, assignors.)

General Aniline Works, Inc. (See Kranzlein, G., and Sedlmayr, assignors.)

General Aniline Works, Inc. (See Nawlasky, Paul, assignor.)

General Aniline Works, Inc. (See Trautner, W., Stein, and Berliner, assignors.)

General Aniline Works, Inc. (See Virck, Paul, assignor.)

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Burrows, William R., assignor.)

General Electric Company. (See Frank, John J., assignor.)

General Electric Company. (See Nickel, Clifford A., assignor.)

General Electric Company. (See Steenstrup, Christian, assignor.)

General Fireproofing Company. (See Gouley, Glenn T., assignor.)

General Motors Corporation. (See Boca, Joseph, assignor.)

General Motors Corporation. (See Reuter, Irving J., assignor.)

General Motors Research Corporation. (See Hallett, George E. A., assignor.)

General Motors Research Corporation. (See Short, Charles R., assignor.)

General Railway Signal Company. (See Bushnell, Charles S., assignor.)

General Railway Signal Company. (See Halles, William D., assignor.)

General Railway Signal Company. (See Howe, Winthrop K., assignor.)

General Spring Bumper Corporation. (See Jandus, Herbert S., assignor.)

General Talking Pictures Corporation. (See De Forest, Lee, assignor.)

George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling and controlling the temperature of hot metal stock. 1,736,076; Nov. 19.

Gereke-Alten Carton Company. (See Patterson, William S., assignor.)

Getty, Robert W. (See Schiefer, P., and Getty.)

Gibson, Franklin C., Fairfax County, Va., assignor to Elliott-Fisher Company. Form-collating means. 1,736,260; Nov. 19.

Gibson, Louis D., assignor to The W. F. Tubbs Company, Norway, Me. Toe clip for ski binding. 1,735,922; Nov. 19.

Giesler, Fred, Holyoke, Mass. Drafting board. 1,736,342; Nov. 19.

Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)

Gilbert, Alfred C., assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Toy building construction. 1,736,310; Nov. 19.

Gilbert, Samuel C., Hartsville, S. C. Flexible tie for plastic furnace linings. 1,736,704; Nov. 19.

Gilbert, Victor G. W., London, England, assignor, by mesne assignments, to American La France and Foamite Corporation. Fire extinguisher. 1,736,153; Nov. 19.

Gillette, King C., et al. (See Schmidt, Benjamin F., assignor.)

Glaesner, Jules, New York, N. Y. Cigarette box. 1,736,651; Nov. 19.

Glenwood Range Company. (See Wilde, Samuel A., assignor.)

Godwin, Albert, London, England. Reinforced-concrete and like building. 1,736,494; Nov. 19.

Godfrey, Earl V., Girard Township, Erie County, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,736,589; Nov. 19.

Goeller, William S., Birmingham, Ala. Bushing remover and replacer. 1,736,529; Nov. 19.

Goetzelman, William, Chicago, Ill., assignor to Appleton Electric Company. Pipe connector. 1,736,154; Nov. 19.

Goff, William A., Seattle, Wash. Brick-joint raker. 1,736,077; Nov. 19.

Goodrich, B. F., Company, The. (See Wray, Frederick, assignor.)

Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Table or analogous article. Des. 79,950; Nov. 19.

Gould, John H., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Steam-heated fuel intake for internal-combustion engines. 1,736,003; Nov. 19.

Gourley, Glenn T., assignor to General Fireproofing Company, Youngstown, Ohio. Wall-cabinet structure. 1,736,399; Nov. 19.

Graft, George, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Forming hardware. 1,736,495; Nov. 19.

Graft, George, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Forming hardware. 1,736,496; Nov. 19.

Graham, Walter D., and P. C. Palfyn, Chicago, Ill. Electrically-heated belt and the like. 1,736,590; Nov. 19.

Grandjean, Georges, Les Forgets, Isle Adam, France, assignor to Isothermos Corporation of America, New York, N. Y. Automatic lubricating journal box. 1,736,705; Nov. 19.

Granger, Paul H., Los Angeles, Calif. Method and apparatus for locating leaks in well piping. 1,736,117; Nov. 19.

Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Method and means for selectively controlling metal-pickling baths. 1,736,113; Nov. 19.

Graves, Harry S., Highland Park, Mich. Piston ring. 1,736,530; Nov. 19.

Gray, James G., Glasgow, Scotland. Gyroscopic apparatus. 1,736,089; Nov. 19.

Greene, Nathaniel C., New York, N. Y., assignor to Polymet Manufacturing Corporation. Electrical plug. 1,735,856; Nov. 19.

Greenstreet, Oliver P., assignor of one-third to J. T. Tate and one-fourth to D. E. Kriete, Owensville, Mo. Washing appliance. 1,736,738; Nov. 19.

Gregory, Stephen A., Stamford, Conn. Article holder. 1,736,591; Nov. 19.

Greig, Walter. (See Hagemann, L. F., and Greig.)

Grier, Edward B., West Hartford, assignor to The Arrow-Hart and Hageman Electric Company, Hartford, Conn. Face plate or similar article. Des. 79,926; Nov. 19.

Griffith, James B., Washington, D. C. Lens mounting. 1,736,119; Nov. 19.

Griscom, Samuel B. (See Wagner, C. F., Evans, and Griscom.)

Grosjean, James E., Lima, Ohio. Shoe sole. Des. 79,927; Nov. 19.

Grosnickle, Henry W., Dayton, Ohio. Clinker fork. 1,736,190; Nov. 19.

Grunwaldt, Frank E., Seattle, Wash. Forced-draft fan. 1,736,311; Nov. 19.

Guertler, Johannes. (See Kirshelsen, T., and Guertler.)

Gwaltney, Eugene C., Laurel Hill, N. C. Manufacture of cotton yarn and improved product. 1,736,592; Nov. 19.

Gypsum Engineering & Manufacturing Co. (See Payne, Caleb, assignor.)

Haas, Earle C., Wray, Colo. Cartridge for use in medicine-applying means. 1,736,078; Nov. 19.

Hack, Walter E., Santa Cruz, Calif. Ignition-testing device. 1,736,004; Nov. 19.

Haffner, Charles, Allentown, Pa. Electrical door lock. 1,736,761; Nov. 19.

Hagman, Harry C., Minneapolis, Minn. Dental articulator. 1,736,006; Nov. 19.

Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Ontario, Canada. Autographic register. 1,735,858; Nov. 19.

Hagemann, Louis F., and W. Greig, Niagara Falls, N. Y., assignors to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 1,735,857; Nov. 19.

Halles, William D., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system for railroads. 1,736,728; Nov. 19.

Halapin, Steve, Detroit, Mich. Rail-joint lock. 1,735,967; Nov. 19.

Hall, Claud R., Tulsa, Okla. Cleaning oil-pipe lines. 1,736,440; Nov. 19.

Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Fluid seal for intermittently-registering conduits. 1,736,261; Nov. 19.

Hallstrom, Henning. (See Cross, F. L., and Hallstrom.)

Hallwood, Nathan A., Columbus, Ohio. Scale. 1,736,079; Nov. 19.

Hänel, Paul, Dresden-A, Germany. Hydraulic pot press. 1,736,262; Nov. 19.

Harding, Charles E., Fort Smith, Ark. Manufacture of glass cylinders. 1,736,005; Nov. 19.

Harding Glass Company. (See Westbury, W., and Collins, assignors.)

Harm, Franklin M., Rochester, N. Y. Circulating device. 1,736,593; Nov. 19.

Harrington, Margaret L., et al. (See Freese, Claude H., assignor.)

Harrison Radiator Corporation. (See Walker, Norman, assignor.)

Hart, Bessie J., Cranford, N. J. Garment. 1,736,594; Nov. 19.

Harter, Noah S., Waukegan, Ill., assignor to King Boat Company. Collapsible air-chamber seat. 1,736,155; Nov. 19.

Harter, Noah S., Waukegan, Ill., assignor to King Boat Company. Aquaplane. 1,736,156; Nov. 19.

Harter, Noah S., Waukegan, Ill., assignor to King Boat Company. Collapsible pontoon for boats and the like. 1,736,157; Nov. 19.

Hartford-Empire Company. (See Mulholland, Vergil, assignor.)

Harvey, George H., Middletown, assignor to The Black-Clawson Company, Hamilton, Ohio. Paper-making machine. 1,736,400; Nov. 19.

Harwood, Paisley B., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor controller. 1,736,401; Nov. 19.

Haughton Elevator & Machine Company, The. (See Brubaker, John A., assignor.)

Hawes, Jesse J., Honietta, Okla. Container for artificial fish lures. 1,736,843; Nov. 19.

Hawkins, Cyrus, Camden, N. J., assignor to Hires, Castner & Harris, Inc., Philadelphia, Pa. Cloth wiper for power plate printing. 1,736,402; Nov. 19.

Hawks, Arthur S., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine-cylinder lubricator. 1,736,312; Nov. 19.

Hayton Pump & Blower Co. (See Bond, Joseph, E., assignor.)

Hazeley, Edward. (See Topham, C. F., Hazeley, and Morton.)

Hazlett, Walter H., Long Beach, Calif. Tubing bleeder for oil-well pumps. 1,736,040; Nov. 19.

Heald Machine Company, The. (See Gallimore, Keith F., assignor.)

Hartfield, Maurice K., et al. (See Jones, Albert, assignor.)

Hensley, Jacob M., Pittsburgh, Pa. Interlocking rail joint. 1,736,652; Nov. 19.

Hecker, Edgar, et al. (See Wyss, Emil A., assignor.)

Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Fish bait. 1,736,403; Nov. 19.

Heddon's James, Sons. (See Heddon, Charles, assignor.)

Hedger, H. S. (See Ryalls, John H., assignor.)

Helmann, Heinrich, and H. Seefried, Dessau in Anhalt, I. Petersen, Wolfen, Kreis Bitterfeld, and A. Bayerl, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Process for opening up materials containing cellulose. 1,736,080; Nov. 19.

Helme, Ferdinand H., assignor to Koehring Company, Milwaukee, Wis. Concrete-mixer water-supply means. 1,736,744; Nov. 19.

Heinmann, Clarence C., Marion, Ind. Building block. 1,736,595; Nov. 19.

Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Ratchet-drive reduction. 1,735,923; Nov. 19.

Hemphill Company. (See Fisher, Raymond, assignor.)

Hemphill Company. (See Lawson, Robert E., assignor.)

Hendrickson, Ira E., assignor to Wico Electric Company, West Springfield, Mass. Magneto. 1,736,441; Nov. 19.

Henry, Albert C. (See Henry, Ralph L., assignor.)

Henry, Ralph L., Detroit, Mich., assignor to A. C. Henry, Inwood, N. Y. Resilient coupling connection for vehicle springs. 1,735,899; Nov. 19.

Hessel, Edward L., assignor to Little Giant Manufacturing Co., Minneapolis, Minn. Radiator hanger. 1,736,596; Nov. 19.

Hewitt, John F. (See Yerby, G. S., and Hewitt.)

Heyman, Marcus A., New York, N. Y. Hair-net package. 1,736,313; Nov. 19.

Heywood-Wakefield Company. (See Bolin, Simon, assignor.)

Hlatt, Edward I., Modesto, Calif. Lever-operating attachment for drawn implements. 1,736,197; Nov. 19.

Hlcek, W. O., Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)

Higginson, Connan D., Los Angeles, Calif. Transfer and method of protecting and decorating surfaces. 1,736,597; Nov. 19.

Highway Trailer Company. (See Erdahl, Nicholas M., assignor.)

Hill, Charles, Springfield, Colo. Adjustable revolving moldboard. 1,736,442; Nov. 19.

Hill, Edward P., Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,736,443; Nov. 19.

Hill, Leland H. (See Oplinger, K. A., and Hill.)

Hindahl, David. (See Nelkirk, J. O., and Hindahl.)

Hires, Castner & Harris, Inc. (See Hawkins, Cyrus, assignor.)

Hisek, Charles, Tyndall, S. Dak. Husking-mitten thumb protector. 1,736,344; Nov. 19.

Hich, Emmet P., and H. Jordan, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye and preparing same. 1,735,924; Nov. 19.

Hobbs, Leonidas P., Houston, Tex. Newspaper rack. 1,735,900; Nov. 19.

Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Company, Chicago, Ill. Weighing and ticket-printing machine. 1,736,264; Nov. 19.

Hodinka, Andrew, New York, N. Y. Foldable table and chair. 1,736,531; Nov. 19.

Hoe, R., & Co. (See Belsinger, Daniel, assignor.)

Hoe, R., & Co. (See Walker, Irl R., assignor.)

Hofmann, Otto U. (See Von Stetten, J. O., and Hofmann.)

Hojnowski, Jakob, Nekoosa, Wis. Aeronautical vessel. 1,736,263; Nov. 19.

Holcombe, Homer H., assignor to Holcombe Textile Equipment Co., Inc., Birmingham, Ala. Filling bunch builder. 1,736,314; Nov. 19.

Holcombe Textile Equipment Co. (See Holcombe, Homer H., assignor.)

Holden, Arthur P., and P. Morgan, Toronto, Ontario, Canada. Electric circuit maker and breaker. 1,736,198; Nov. 19.

Holmes, Benjamin, Woodbury, N. J., assignor to Morrell Mills, Inc., Philadelphia, Pa. Tapestry fabric and making the same. 1,736,532; Nov. 19.

Holzappel, Eduard, and O. Braunsdorf, Höchst-on-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing vat dyestuffs of the isodibenzanthrone series. 1,736,081; Nov. 19.

Hood, Jennings, Lansdowne, Pa. Toby jug. Des. 79,928; Nov. 19.

Hood, Jennings, Lansdowne, Pa. Toby jug. Des. 79,929; Nov. 19.

Hood Rubber Company. (See Davidson, James H., assignor.)

Hooker Electrochemical Company. (See Rowland, Jasper M., assignor.)

Hopkins, Robert, Alliance, Ohio. Combined oil and gas burner. 1,736,345; Nov. 19.

Hopkinson, Ernest, New York, and M. C. Teague, Jackson Heights, N. Y., assignors to American Rubber Company, East Cambridge, Mass. Treating rubber latex compositions and articles formed thereby. 1,736,404; Nov. 19.

Horn and Hardart Baking Company. (See Cramer, Albert M., assignor.)

Hortvet, Richard M., assignor to Mahr Manufacturing Company, Minneapolis, Minn. Roller-hearth furnace. 1,735,968; Nov. 19.

Houseman, Harold E., Edge Moor, Del. Brake for motor-driven vehicles. 1,736,082; Nov. 19.

Houser, Arthur M., Oak Park, and C. A. Dopp, assignors to Crane Co., Chicago, Ill. Valve-yoke construction. 1,736,405; Nov. 19.

Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,736,729; Nov. 19.

Hovett, M., & Company Limited, et al. (See Dolphin, James, assignor.)

Hoxie, Gideon C. (See Berryman, V., and Hoxie.)

Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Indicating pull socket. 1,736,285; Nov. 19.

Hubbell, Louie E., executrix. (See Hubbell, Harvey.)

Huestia, Thomas B., assignor to National India Rubber Company, Bristol, R. I. Making insulated electrical conductors. 1,736,444; Nov. 19.

Huff, Charles A., Philadelphia, Pa. Clipping device. 1,736,041; Nov. 19.

Hughes, John T., New York, N. Y. Device for elevating lines. 1,736,599; Nov. 19.

Hughes, Lafayette M. (See Mitchell, Thomas A., assignor.)

Hulin, Joseph, North Chicago, Ill. Ticket-vending machine. 1,736,710; Nov. 19.

Humphrey, Glen S., Brooklyn, assignor to Continental Can Company, Inc., New York, N. Y. Container cover. 1,736,286; Nov. 19.

Hurst, James E., Thorncliffe, England, and E. B. Ball, assignors to Centrifugal Castings Limited, Kilmarnock, Scotland. Centrifugal machine for casting metal pipes and the like. 1,735,969; Nov. 19.

Hutchins Car Roofing Company. (See Franck, Edwin G., assignor.)

Hutchinson, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Loud-speaker. 1,735,859; Nov. 19.

Hutchinson, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Flexed sounding board. 1,735,860; Nov. 19.

Hutchinson, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Tuned radial horn. 1,735,861; Nov. 19.

Hutchinson, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Push-pull-actuated radial resonator. 1,735,862; Nov. 19.

Hutchinson, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Radial resonator with bass-note propagator. 1,735,863; Nov. 19.

Hutchinson, Miller R., West Orange, N. J., assignor to Premier Laboratory Company. Sound-propagating device. 1,735,864; Nov. 19.

Hyatt, Frank S., New York, assignor to Brass Goods Mfg. Co., Brooklyn, N. Y. Bottle-filling device. 1,736,598; Nov. 19.

Hygienol Co., The. (See Raynor, Louis L., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Helmann, H., Seefried, Petersen, and Bayerl, assignors.)

Ideal Electric & Manufacturing Co., The. (See Schou, Theodor, assignor.)

Illinois Watch Case Company. (See Wakefield, Frank E., assignor.)

Illinois Zinc Company. (See Daesen, J. R., and Wemple, assignors.)

Inco, Francis S., Los Angeles, Calif. Foldable day bed. 1,736,158; Nov. 19.

Indian Territory Illuminating Oil Company. (See Sutton, William E., assignor.)

Industrial Brownhoist Engineering Corporation. (See Capper, Robert W., assignor.)

Industrial Gloves Corporation. (See Millard, Irwin W., assignor.)

International Combustion Engineering Corporation. (See Wood, Wilfred R., assignor.)

International Derrick & Equipment Company, The. (See Bloss, Richard R., assignor.)

International Motor Company. (See Anderson, Robert G., assignor.)

International Shoe Company. (See Parker, John A., assignor.)

International Silver Company. (See Cayer, Theodore E., assignor.)

Irwin, Robert W., Company. (See Irwin, R. W., and Bekius, assignors.)

Irwin, Robert W., and N. Bekius, assignors to Robert W. Irwin Company. Grand Rapids, Mich. End extension table. 1,736,533; Nov. 19.

Isothermos Corporation of America. (See Grandjean, Georges, assignor.)

Jackson, Ernest W., Austin, Tex. Record binder. 1,736,711; Nov. 19.

Jackson, Manssall R., Toronto, Ontario, Canada. Starter for engines. 1,736,600; Nov. 19.

Jackson, Manssall R., Toronto, Ontario, Canada. Starter for engines. 1,736,765; Nov. 19.

Jacot-Descombes, Léon, Tavannes, Switzerland. Rotatable piston pump available for viscose. 1,736,497; Nov. 19.

Jaeger, Alphons O., Crafon, assignor to The Selden Company, Pittsburgh, Pa. Producing reduction products of carbon dioxide. 1,735,925; Nov. 19.

Jandus, Herbert S., Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Bumper clamp. 1,735,901; Nov. 19.

Jandus, Herbert S., Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Clamp. 1,735,926; Nov. 19.

Jannenga, Roy L., and R. C. Lemmerhart, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Making tracings. 1,736,445; Nov. 19.

Jardine, Robert, Detroit, Mich., assignor to Rich Tool Company. Internal-combustion engine. 1,735,965; Nov. 19.

Jeep, John, Watsonville, Calif. Nursing-bottle holder. 1,736,346; Nov. 19.

Jensen, Borge C. S., Frederiksberg, and J. P. Petersen, Copenhagen, Denmark. Tire-deflation switch. 1,736,534; Nov. 19.

Jensen, Peter, Daly City, Calif. Parking device for automobiles. 1,736,498; Nov. 19.

Jessop, S. T., Co. (See Mead, Herbert E., assignor.)

Jiffy Wire Connector Company, The. (See Sommer, William R., assignor.)

Johansen, Lief H., Oslo, Norway. Dispensing apparatus for soap powder and the like. 1,735,902; Nov. 19.

Johnson, Arnold, Devils Lake, N. Dak. Verminproof perch support. 1,736,499; Nov. 19.

Johnson, Arthur A., assignor to Underwood Elliott Fischer Company, New York, N. Y. Manifold device. 1,736,535; Nov. 19.

Johnson, Charles E., North Muskegon, assignor to Piston Ring Company, Muskegon Heights, Mich. Piston-ring rough grinder. 1,736,159; Nov. 19.

Johnson, Charles E., assignor to The Piston Ring Company, Muskegon Heights, Mich. Pressure head for piston-ring grinders. 1,736,199; Nov. 19.

Johnson, Erik W., assignor of one-half to L. A. Kamradt, Chicago, Ill. Mold and liner for linotype machines. 1,736,536; Nov. 19.

Johnson, John E., assignor to The New Haven Sherardising Company, Hartford Conn. Air-bag cleaning and buffing machine. 1,735,903; Nov. 19.

Johnson, Theodore G. (See Mitchell, Henry T., assignor.)

Johnson, William M., assignor to the W. H. Marvin Company, Urbana, Ohio. Compartment jar. 1,736,264; Nov. 19.

Johnston, Georgina A., Beverly Hills, Calif. Rotary built-in fixture. 1,736,007; Nov. 19.

Jones, Albert, Baltimore, Md., assignor to himself, M. K. Heartfield, Washington, D. C., and J. M. Decker, Baltimore, Md. Refrigerating system. 1,736,706; Nov. 19.

Jones, Lloyd, Long Beach, N. Y. Bearing for the rolls of rolling mills. 1,736,601; Nov. 19.

Jonsson, Sven M., Woodside, assignor to Automotive Royalties Corporation, Inc., New York, N. Y. Lubricating device. 1,736,160; Nov. 19.

Jordan, Henry. (See Hiltch, E. F., and Jordan.)

Kamradt, Leon A. (See Johnson, Erik W., assignor.)

Kassler, Edwin S., Jr., et al. (See Sherrick, Samuel T., assignor.)

Kawneer Company, The. (See Plym, Francis J., assignor.)

Kazmer, Frank. (See Servais, C., and Kazmer.)

Keefer, Walter L., assignor to W. G. Wolf, Chambersburg, Pa. Floor waxing and polishing machine. 1,736,446; Nov. 19.

Keeler, Alonzo R., Altona, Ill. Corn-snapping rolls and the like. 1,736,347; Nov. 19.

Keeney, Don E., assignor to A C Spark Plug Company, Flint, Mich. Instrument-panel design. 1,735,904; Nov. 19.

Kelchline, Anna W., Bellefonte, Pa. Bed for apartments. 1,736,653; Nov. 19.

Keller, Gottlieb, Brugz, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Nonoxidizing heating furnace. 1,735,866; Nov. 19.

Kellogg, Dorsey E. (See Dunmire, R. P., and Kellogg.)

Kellum, Mary G., et al. (See Murdock, Sidney A., assignor.)

Kellum, Orlando E., et al. (See Murdock, Sidney A., assignor.)

Kelly, Henry D., Kansas City, Mo. Leacher bucket for coffee urns. 1,736,265; Nov. 19.

Kelso, Ralph S. (See Moffatt, J. R., and Kelso.)

Kennedy, Marshall R., San Francisco, Calif. Game. 1,736,603; Nov. 19.

Kennerson, Joseph E., Cliftondale, Mass. Doorcheck. 1,736,602; Nov. 19.

Kent, Horace L., New York, N. Y. Acoustical apparatus. 1,736,042; Nov. 19.

Kern, Fred M., Detroit, Mich., assignor by mesne assignments to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,735,867; Nov. 19.

Kessler, Louis, Chicago, Ill. Mine-ventilating system. 1,735,927; Nov. 19.

Key, John R. (See Mahoney, O. P., and Key.)

Keystone Aircraft Corporation. (See Daland, Elliot, assignor.)

Kieckhefer Container Co. (See Kieckhefer, William H., assignor.)

Kieckhefer Container Co. (See Walker, Emery L., assignor.)

Kieckhefer, William H., assignor to Kieckhefer Container Co., Milwaukee, Wis. Container. 1,736,200; Nov. 19.

Kin-Ad-Scope Co., The. (See Noville, Carl E., assignor.)

Kindt, Charles R., and P. H. Ennis, Sarasota, Fla. Game device. 1,736,447; Nov. 19.

King Boat Company. (See Harter, Noah S., assignor.)

King, Joseph M. S. (See Pack, W. D., and King.)

Kinnear Manufacturing Company, The. (See Rush, Albert, assignor.)

Kirchelsen, Theodor, Dessau in Anhalt, and J. Guertler, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing fast dyes on the fiber. 1,736,083; Nov. 19.

Kirkeby, John, San Luis Obispo, Calif. Automatic water-heating system. 1,736,266; Nov. 19.

Kissack, Alan, Forest Hills, N. Y. Molybdenum alloy iron and steel. 1,736,120; Nov. 19.

Klingel, Robert H., Detroit, Mich. Key-operated lock. 1,735,868; Nov. 19.

Kloos, Hans K., Hamburg, Germany. Shipbuilding. 1,736,315; Nov. 19.

Knight, Donald B., Brooklyn, N. Y. Refrigeration. 1,735,869; Nov. 19.

Knox, Harry A., Davenport, Iowa. Compound clutch. 1,736,267; Nov. 19.

Knudsen, Carl H., New York, N. Y. Internal-combustion engine. 1,736,287; Nov. 19.

Knudsen, Joachim R. M. (See Yeager, Fay A., assignor.)

Koehring Company. (See Helne, Ferdinand H., assignor.)

Koehring Company. (See Lichtenberg, Erich H., assignor.)

Koehring Company. (See Robb, John F., assignor.)

Koehring Company. (See Smith, Arvey, assignor.)

Koncana, Frank E., and C. H. Schaefer, Cleveland, Ohio. Reel. 1,736,604; Nov. 19.

Konikoff, Harry R. (See Konikoff, Maurice A., and H. R.)

Konikoff, Maurice A. and Harry R., New York, N. Y. Display device. 1,736,121; Nov. 19.

Kortz, Anthony T., Grand Rapids, Mich. Furniture fixture. 1,736,406; Nov. 19.

Kosel, Heinrich. (See Thoma, H., and Kosel.)

Kranzlein, Georg, and R. Sedlmayr, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation product of the anthraquinone series and making same. 1,736,084; Nov. 19.

Kreft, Frank E., Chicago, Ill. Testing device. 1,736,605; Nov. 19.

Krem-Ko Company. (See Gallagher, George F., assignor.)

Kreuzer, Walter, Edwardsville, Ill. Fruit picker. 1,736,848; Nov. 19.

Kriete, D. Ed., et al. (See Greenstreet, Oliver P., assignor.)

Krukowski, Joseph, Brooklyn, N. Y. Tailor's precision measure. 1,736,537; Nov. 19.

Kuenhold, Otto J., Cleveland, Ohio. Drying apparatus. 1,736,201; Nov. 19.

Kurle, Charles W., Jr., assignor to The Cycle Company, Colorado Springs, Colo. Mechanical movement. 1,735,928; Nov. 19.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,735,870; Nov. 19.

Kurtz, Samuel E., Sac City, Iowa. Ice-cutting device. 1,736,538; Nov. 19.

Kyle, William D., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Insulator. 1,736,043; Nov. 19.

Kyle, William D., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Screw insulator. 1,736,044; Nov. 19.

Labombarde, Harold S., Nashua, N. H. Envelope machine. 1,736,407; Nov. 19.

Lachman, Maurice, New York, N. Y., assignor to Bethlehem Steel Company. Welded and calked body and producing same. 1,736,539; Nov. 19.

La Duke, Helen S., Iron Mountain, Mich. Egg-boiling cup. 1,736,122; Nov. 19.

Lake Erie Chemical Company, The. (See Macy, Alfred J., assignor.)

Lake, Harold, Oshkosh, Nebr. Wire-fence staple. 1,736,707; Nov. 19.

Lalli, Nicholas, Philadelphia, Pa. Sound-reproducing amplifier. 1,736,606; Nov. 19.

Landis & Gyr A.-G. (See Pudelko, Riccard, assignor.)

Lane, George W., Providence, R. I. Guard for foot presses. 1,736,708; Nov. 19.

Langenberg, Theodor, Berlin, assignor to the firm C. A. Fosca & Sohn, Berlin-Lichtenberg, Germany. Continuous centrifugal machine. 1,736,349; Nov. 19.

La Pointe, Charles E. (See Mattison, C. L., and La Pointe.)

Larsen, Svend H., Frederiksberg, near Copenhagen, assignor to Aktieselskabet de Forenede Bryggerier, Copenhagen, Denmark. Closing device for containers made of aluminum or other soft metals. 1,736,350; Nov. 19.

Larson, Nils G., assignor to So-Lo Jack Co., Inc., Attleboro, Mass. Load-lifting jack. 1,736,202; Nov. 19.

Larsson, Thure, and H. W. H. Beth, assignors to Norton Company, Worcester, Mass. Segmental grinding wheel and assembling the same. 1,736,161; Nov. 19.

Last, James, Dobbs Ferry, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Sorting machine. 1,736,540; Nov. 19.

Lasting, Hyman B., assignor to Putt-Well Golf Corporation, Portsmouth, Va. Golf game. 1,736,316; Nov. 19.

Lauer, Stewart E., assignor to York Ice Machinery Corporation, York, Pa. Air cooler. 1,736,408; Nov. 19.

Lawrence, Albert L., Cleveland, Ohio. Separable electrical connector. 1,736,269; Nov. 19.

Lawrence, Benjamin E., Chicago, Ill. Loose-leaf holder. 1,736,409; Nov. 19.

Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Reverse plating mechanism. 1,735,970; Nov. 19.

Lay, Emil, and C. Mattick, Frankfurt-on-the-Main, Germany, assignors to American Luigi Corporation, New York, N. Y. Hard solder, particularly for grey pig iron, cast steel, iron, and the like. 1,736,654; Nov. 19.

Layne, William R. (See Frickey, E. E., and Layne.)

Leach, Guy M. (See Letourneau, Orville L., assignor.)

Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for controlling vibratory systems. 1,736,500; Nov. 19.

Legge, Peter S., Somerville, Mass. Saw. 1,736,607; Nov. 19.

Legge, Peter S., Somerville, Mass. Saw. 1,736,608; Nov. 19.

Leipziger Schnellpressenfabrik Akt.-Ges. Schmielers, Werner & Steib. (See Dexheimer, Christian, assignor.)

Leka, Theodor, New York, N. Y. Manually-driven aeroplane. 1,736,541; Nov. 19.

Lemmerhart, Robert C. (See Jannenga, R. L., and Lemmerhart.)

Leonard, Nestor, Feigmes, France. Cast frame for railway rolling stock. 1,736,971; Nov. 19.

Letourneau, Orville L., assignor to G. M. Leach, Detroit, Mich. Foot attachment. 1,736,009; Nov. 19.

Lewis Manufacturing Company. (See Rodier, Edward J., assignor.)

Lewis, Roy A., and D. L. Ernon, Bethlehem, Pa., assignors to Bethlehem Steel Company. Producing open-work structures. 1,736,317; Nov. 19.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Concrete-road-finishing machine. 1,736,412; Nov. 19.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Concrete-road-finishing machine. 1,736,413; Nov. 19.

Lide, Martin J., Birmingham, Ala. Jigging mechanism. 1,736,008; Nov. 19.

Liebknicht, Otto, Berlin-Grunewald, Germany. Composition of matter and destroying noxious creatures. 1,736,448; Nov. 19.

Lillienfeld, Leon, Vienna, Austria. Improving cotton. 1,736,712; Nov. 19.

Lillienfeld, Leon, Vienna, Austria. Improving cotton. 1,736,713; Nov. 19.

Lillienfeld, Leon, Vienna, Austria. Vegetable textile material and producing same. 1,736,714; Nov. 19.

Lindstrom, Everard R., Evanston, Ill., assignor to A. L. Read, Covington, Ky. Brush-making machine. 1,736,162; Nov. 19.

Line Material Company Company. (See Kyle, William D., assignor.)

Lint, John N., and R. M. Cook, Meyersdale, Pa. Device for refacing brake drums, etc. 1,736,085; Nov. 19.

Lipp, John S., Chicago, Ill. Tool holder. 1,736,449; Nov. 19.

Little Giant Manufacturing Co. (See Hessel, Edward L., assignor.)

Lloyd, Samuel F. (See Watters, L. A., and Lloyd.)

Locke Insulator Corporation. (See Plimpton, Bentley A., assignor.)

Löffler, Stephan, Charlottenburg, Germany. Manufacturing high-pressure boilers. 1,736,610; Nov. 19.

Loftman, Charles, Los Angeles, Calif., assignor to Roberti Bros., Nottipping roll-around bed. 1,736,203; Nov. 19.

Lohmann, Hugo, Berlin-Wilmersdorf, Germany. Electrical heating body and manufacturing the same. 1,736,745; Nov. 19.

Lombardini, Luigi, Turin, Italy. Visible-card file cabinet. 1,736,655; Nov. 19.

Longwell, Joseph T., Pittsburgh, Pa. Snubber for motor-vehicle springs. 1,736,410; Nov. 19.

Lösel, Franz, Brunn, Czechoslovakia. Steam-generating installation. 1,736,411; Nov. 19.

Loughlin, William D., Boonton, N. J. Radio signaling circuit. 1,736,268; Nov. 19.

Lovell Manufacturing Company. (See Godfrey, Earl V., assignor.)

Lovell Manufacturing Company. (See Schuda, Ernest J., assignor.)

Lubrano, Giuseppe, assignor to Curly Macaroni Mould Co., Incorporated, Brooklyn, N. Y. Macaroni mold. 1,736,611; Nov. 19.

Luck, Charles M., Richmond, Va. Tractor trailer. 1,736,450; Nov. 19.

Ludwig, Louis, Brooklyn, N. Y. Tobacco-ash receiver. 1,736,830; Nov. 19.

Ludwig, Louis, Brooklyn, N. Y. Protector for radio sets. 1,736,204; Nov. 19.

Lukehart, Gloyde E., Garber, Okla. Valve seating and pulling device. 1,736,318; Nov. 19.

Lumby, Lewis, Leeds, assignor to Prince Smith & Son, Limited, Keighley, Yorkshire, England. Spinning and twisting frame. 1,736,656; Nov. 19.

Lundberg, Carl A., et al. (See Freese, Claude H., assignor.)

Luther, John A., Bayonne, N. J., assignor to Publishers Autocaster Service Company, New York, N. Y. Stereotyping apparatus. 1,736,351; Nov. 19.

Lyback, Peter J., Chicago, Ill. Tractor. 1,735,929; Nov. 19.

Lyon Iron Works. (See Raymond, George G., assignor.)

Lyscholt, Alf, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Steam turbine. 1,736,612; Nov. 19.

M S Co. (See Nittel, Frederick W., assignor.)

MacInnes, Robert H., assignor to Cribben & Sexton Company, Chicago, Ill. Electric oven. 1,736,451; Nov. 19.

Mackintosh, John J., Port Richmond, N. Y. Diving toy submarine. 1,736,270; Nov. 19.

Macklem, John J., Los Angeles, Calif. Supporting device for rails. 1,736,501; Nov. 19.

Macomic, Chester A., assignor to Patent Products Corporation of Chicago, Chicago, Ill. Type-casting mechanism. 1,736,271; Nov. 19.

MacWilliams, James F., Cresson, Pa. Safety switch structure. 1,736,452; Nov. 19.

Macy, Alfred J., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Automatic safe burglar lock. 1,736,205; Nov. 19.

Macy, Alfred J., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault gas bomb. 1,736,206; Nov. 19.

Macy, R. H., & Co. (See Von Kersburg, Harry E., assignor.)

Madden, Edward J., Detroit, Mich. Brake-controlling mechanism. 1,736,046; Nov. 19.
 Maddox, Robert B., Elk, Calif. Carpenter's level. 1,736,502; Nov. 19.
 Madigan, Thomas J., Brooklyn, N. Y. Egg beater. 1,736,542; Nov. 19.
 Madsen, Abner L., Jr., assignor of one-half to R. G. Seelhoff, Chicago, Ill. Puffed-valance retainer. 1,736,086; Nov. 19.
 Madsen, Abner L., Jr., assignor of one-half to R. G. Seelhoff, Chicago, Ill. Hanger. 1,736,087; Nov. 19.
 Mahoney, Orville P., Joplin, and J. R. Key, Carthage, Mo. Moldboard for road-grading machines. 1,736,352; Nov. 19.
 Mahr Manufacturing Company. (See Hortvet, Richard M., assignor.)
 Majer, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Hemmed seam and producing the same. 1,736,453; Nov. 19.
 Marion Steam Shovel Company, The. (See Miley, Walter E., assignor.)
 Markon Mfg. Co. (See Wilhelm, John H., assignor.)
 Marshall, James J., assignor to Canada Machinery Corporation Limited, Galt, Ontario, Canada. Method of and apparatus for forming book bars. 1,736,715; Nov. 19.
 Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Adjustable seat for vehicle bodies. 1,736,503; Nov. 19.
 Martin, William H., Chappaqua, N. Y., and M. E. Strieby, Millburn, N. J., assignors to American Telephone and Telegraph Company. Microphone mounting. 1,735,905; Nov. 19.
 Martini, Robert, Chicago, Ill. Radio receiver control mechanism. 1,735,972; Nov. 19.
 Marvin, W. H., Company, The. (See Johnson, William M., assignor.)
 Masek, James C., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Theater-lighting control apparatus. 1,736,454; Nov. 19.
 Massatsch, Cornelius, Berlin, assignor to Matro G. m. b. H., Hellbronn-Neckar, Germany. Manufacturing dry yeast for medical and pharmaceutical purposes. 1,736,657; Nov. 19.
 Mateer, Jesse E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,736,455; Nov. 19.
 Matro G. m. b. H. (See Massatsch, Cornelius, assignor.)
 Matthias, Adolf, Berlin-Wilmersdorf, Germany. Cathode-ray oscillograph. 1,736,456; Nov. 19.
 Mattick, Carl. (See Lay, E., and Mattick.)
 Mattison, Carl L., and C. E. La Pointe, assignors to Mattison Machine Works, Rockford, Ill. Wood-turning machine. 1,735,906; Nov. 19.
 Mattison Machine Works. (See Mattison, C. L., and La Pointe, assignors.)
 Maude, Almer H. (See Rodman, C. J., and Maude.)
 Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,736,319; Nov. 19.
 Maxim Silencer Company, The. (See Maxim, Hiram P., assignor.)
 Maxwell, Joseph M., Wichita, Kans. Sectional gas burner. 1,736,207; Nov. 19.
 Mayer, Herman, Philadelphia, Pa. Apparatus for softening silk, yarn, cotton, and other thread. 1,736,543; Nov. 19.
 Maze, W. H., Company. (See Domagali, John E., assignor.)
 McCaskey Register Company, The. (See Dunning, William E., assignor.)
 McCaughey, Frank E. (See Clark, Ralph C., assignor.)
 McCaulley, John E., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electro-pneumatic interlocking. 1,736,353; Nov. 19.
 McCord Radiator & Mfg. Co. (See Gould, John H., assignor.)
 McCoshen, Guy, Boonton, N. J. Electric advertising device. 1,736,613; Nov. 19.
 McDonald, James J., San Jose, Calif. Radio wave trap. 1,736,614; Nov. 19.
 McFarland, Robert E., Malmö, Nebr. Tank heater. 1,736,658; Nov. 19.
 McGee, Roland L., St. Paul, Minn. Boxing figure toy. 1,736,163; Nov. 19.
 McInnes, J. T. (See Brammer, Anthony C., assignor.)
 McIntyre, Alexander B., assignor to A. E. Monell, Pasadena, Calif. Price-tag supporting strip. 1,736,123; Nov. 19.
 McMillan Book Company. (See McMillan, John L., assignor.)
 McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Transferring device. 1,736,164; Nov. 19.
 McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Index leaf. 1,736,165; Nov. 19.
 McKee, John S., Bayside, Long Island, assignor to Portable Light Company, Inc., New York, N. Y. Portable searchlight. 1,736,208; Nov. 19.
 McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pendant switch. 1,736,746; Nov. 19.
 Mead, Herbert E., Detroit, Mich., assignor to S. T. Jessop Co., Inc., Chicago, Ill. Cigar lighter. 1,736,544; Nov. 19.
 Meade, H. R., et al. (See Wilson, James R., assignor.)
 Medofsky, Nathan, et al. (See Wyss, Emil A., assignor.)
 Meljer, Johan H., Rotterdam, Netherlands. Machine for spreading granular material. 1,736,124; Nov. 19.

Melchor, Warren C., Fayetteville, N. C. Gear-shifting mechanism for motor vehicles. 1,736,320; Nov. 19.
 Mellinger, Brainerd L., Kansas City, Mo. Combination merchandise-display case and panel. Des. 79,931; Nov. 19.
 Merske, Lawrence J., Milwaukee, Wis. Merchandise container. 1,736,763; Nov. 19.
 Merten, William J., Pittsburgh, and C. T. Gayley, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Composition of matter for and method of purifying fused salt baths. 1,736,457; Nov. 19.
 Metropolitan Electric Manufacturing Company. (See Winklehaus, Frederick O., assignor.)
 Metropolitan Sewing Machine Corporation. (See Weis, John P., assignor.)
 Meyer, Anne W., administratrix. (See Meyer, William C.)
 Meyer, William C., deceased, by A. W. Meyer, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Seam-pressing machine. 1,736,272; Nov. 19.
 Meyers, Samuel A., San Francisco, Calif., assignor to Paramount Electric Mfg. Co. Snap switch. Re17,493; Nov. 19.
 Michelson, William O., Woodhaven, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,736,125; Nov. 19.
 Mickelson, Frans, Helsingfors, Finland. Portable impact tool. 1,736,716; Nov. 19.
 Miehl, Robert, Chicago, Ill. Mechanism for adjusting lifts of paper upon feed boards. 1,736,414; Nov. 19.
 Miley, Walter E., assignor to The Marion Steam Shovel Company, Marion, Ohio. Teeth for excavating dippers and the like. 1,736,045; Nov. 19.
 Millard, Irwin W., assignor to Industrial Glove Corporation, Chicago, Ill. Hand pad. 1,736,209; Nov. 19.
 Miller, Charles, Long Island City, N. Y. Shoe last. 1,736,545; Nov. 19.
 Miller Company, The. (See Doane, Leroy C., assignor.)
 Miller, Frank P., Meadville, Pa. Tool holder. 1,736,210; Nov. 19.
 Miller, Frank P., Meadville, Pa. Inserted-blade cutter. 1,736,273; Nov. 19.
 Miller, John A., Chicago, Ill. Oil-well heater. 1,736,211; Nov. 19.
 Miller, Leonard B., Cleveland, Ohio, and W. G. Rinehart, Batesville, Ark., assignors to said Miller. Beneficiating manganese ores. 1,736,615; Nov. 19.
 Miller, Sidney G., Los Angeles, Calif. Ignition device for fuel-supply devices. 1,736,126; Nov. 19.
 Miller, William A., Lorain, Ohio. Dumping gate for dumping trucks. 1,735,930; Nov. 19.
 Miller, William H., assignor of one-half to C. J. Reitz, Sunbury, Pa. Parking and guide lights for automobiles. 1,736,616; Nov. 19.
 Milwaukee Die Casting Co. (See Schroeder, Henry F., assignor.)
 Miner, Carl S. (See Nash, C. A., Trickey, and Miner.)
 Minnesota Mining & Manufacturing Company. (See Power, Henry R., assignor.)
 Mitchell, Henry T., assignor to T. G. Johnson, Kansas City, Mo. Fire alarm. 1,735,907; Nov. 19.
 Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating ores. 1,736,659; Nov. 19.
 Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Chlorinating ores. 1,736,660; Nov. 19.
 Moeker, Arnold H., Bloomer, Ill., assignor to American Store Company, St. Louis, Mo. Range. Des. 79,932; Nov. 19.
 Moeller, Benjamin A., San Diego, Calif. Bedcover-holding device. 1,736,212; Nov. 19.
 Moffatt, James R., Chicago, and R. S. Kelso, Rockford, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,736,458; Nov. 19.
 Monell, Arlon E. (See McIntyre, Alexander B., assignor.)
 Moody, Wm. L., III, et al. (See Smith, Harvey S., assignor.)
 Moore, Clarence C., Wakarusa, Ind. Combined rack and clothes drier. 1,736,717; Nov. 19.
 Moore, Raymond H. (See Beetham, M. F., and Moore.)
 Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,736,718; Nov. 19.
 Morgan Construction Company. (See George, Jerome R., assignor.)
 Morgan, Philip. (See Holden, A. P., and Morgan.)
 Morin, Frank A., Dover, N. H. Ironing-board attachment. 1,736,354; Nov. 19.
 Morley, Earl M., Delta, assignor to The Air-Scale Company, Toledo, Ohio. Tire-inflating apparatus. 1,736,274; Nov. 19.
 Morrell Mills, Inc. (See Holmes, Benjamin, assignor.)
 Morris, Charles E., Little Rock, Ark. Cotton chopper. 1,736,127; Nov. 19.
 Morro, Norman A., Auckland, New Zealand. Flushing valve for cisterns. 1,736,719; Nov. 19.
 Morse, Waldo G., trustee. (See Proctor, Barton A., assignor.)
 Morton, Eric A. (See Topham, C. F., Haseley, and Morton.)
 Morton, Harold A., Akron, Ohio. Protection of aldehydes from oxidation and agents therefor. 1,736,747; Nov. 19.
 Mosher, Albert G., Syracuse, N. Y. Abrading wheel. 1,736,355; Nov. 19.

Mosley, John, Peoria, Ill. Well-drilling tool. 1,736,504; Nov. 19.
 Mosman, Warren F., et al. (See Aring, W. J., and Adams, assignors.)
 Motor Products Corporation. (See Pritchard, William S., assignor.)
 Moyer, Fredella H., Canton, Ohio, assignor to Central Alloy Steel Corporation, New York, N. Y. Forging axes. 1,736,321; Nov. 19.
 Mueller, Godfrey A., Point Place, assignor to The De Villies Company, Toledo, Ohio. Spray head. 1,736,356; Nov. 19.
 Mueller, Moritz L., Seattle, Wash., assignor to Northwest Blower Kiln Company, Portland, Oreg. Drying lumber. 1,736,213; Nov. 19.
 Mueller, Moritz L., Seattle, Wash., assignor to Northwest Blower Kiln Company, Portland, Oreg. Moisture tester. 1,736,505; Nov. 19.
 Muffett, Robert B., Ridgefield, Wash. Excavating machine. 1,736,661; Nov. 19.
 Muir, James A., Detroit, Mich., assignor to Thomson Electric Welding Company, Lynn, Mass. Mechanically-operated butt welder. 1,736,617; Nov. 19.
 Mulholland, Vergil, West Hartford, assignor to Hartford-Emplate Company, Hartford, Conn. Apparatus for annealing glassware. 1,736,822; Nov. 19.
 Munson, Willie R., Fort Wayne, and J. Q. Shipley, Warren, assignors to E. C. Zieg, Fort Wayne, Ind. Battery-cell extractor. 1,736,506; Nov. 19.
 Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,736,288; Nov. 19.
 Murdoch, Sidney A., assignor, by mesne assignments, of one-half to O. E. Kellum and one-half to M. G. Kellum, Los Angeles, Calif. Synchronous driving device. 1,736,323; Nov. 19.
 Murray, Howard J., Brooklyn, assignor to H. Sieben, Hadley, N. Y. Dual-control gas cut-off. 1,736,289; Nov. 19.
 Müllz, Friedrich, Stuttgart, Germany. Appliance for internal-combustion engines. 1,736,662; Nov. 19.
 Myers, Joseph R., Chicago, Ill. Box construction. 1,736,720; Nov. 19.
 Myers, L. A., Jr., Inc. (See Myers, William L., assignor.)
 Myers, Lee V., assignor, by mesne assignments, to The Wayne Home Equipment Company, Fort Wayne, Ind. Passing lubricants directly through liquid receivers in refrigeration apparatus. 1,736,721; Nov. 19.
 Myers-Whaley Company. (See Whaley, William, assignor.)
 Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 79,933; Nov. 19.
 Nardon, Carl J., Los Angeles, Calif. Tissue cabinet. 1,735,931; Nov. 19.
 Nash, Clarence A., Milwaukee, Wis., J. P. Trickey, Evans-ton, and C. S. Miner, Glencoe, assignors to The Quaker Oats Company, Chicago, Ill. Synthetic material adapted to the plastic art. 1,736,047; Nov. 19.
 National Cash Register Company, The. (See Brand, Samuel, assignor.)
 National Cash Register Company, The. (See Brown, William C., assignor.)
 National India Rubber Company. (See Huestis, Thomas B., assignor.)
 National Rubber Machinery Company. (See De Mattia, Barthold, assignor.)
 National Rubber Machinery Company. (See De Mattia, Peter, assignor.)
 Nausgattuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)
 Naulze, Harry M., and A. J. Townsend, Canton, assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Strip-sheer manufacture. 1,736,324; Nov. 19.
 Nawiasky, Paul, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 1,4-diamino-2-alkoxy-anthraquinone. 1,736,088; Nov. 19.
 Nelkirk, John O., and D. Hindahl, Chicago, Ill. Brake-release mechanism for railway cars. 1,736,048; Nov. 19.
 Nelson, Charles P., Santa Monica, Calif. Hose clamp. 1,735,932; Nov. 19.
 Nelson, John, Elricson, Nebr. Automatic transmission mechanism. 1,736,663; Nov. 19.
 New England Wood Heel Co. (See Shaw, Wesley J., assignor.)
 New Haven Sherardizing Company, The. (See Johnson, John E., assignor.)
 Newman, Augustus L., Cranston, B. I., assignor, by mesne assignments, to Northern Engraving Company, La Crosse, Wis. Attaching name plates and other articles. 1,736,722; Nov. 19.
 Newman, E. E., et al. (See Nye, Sherman G., assignor.)
 Nice Ball Bearing Company. (See Beemer, Frank, assignor.)
 Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Regulation of dynamo-electric machines. 1,736,618; Nov. 19.
 Niemojko, Gregoire, assignor to Societe Anonyme des Appareils de Manutention et Foura Stein, Paris. Oil-burning furnace. 1,736,415; Nov. 15.
 Nittel, Frederick W., Attleboro Falls, assignor to M. S. Co., Attleboro, Mass. Mesh bracelet. 1,736,166; Nov. 19.

Nixon, Jeddy D., assignor to Texas Iron Works Sales Corporation, Houston, Tex. Joint-breaking apparatus. 1,736,009; Nov. 19.
 Noble, F. H., & Co. (See Shields, John M., assignor.)
 Nordendale, Harry W., assignor to Nordendale Manufacturing Company, Chicago, Ill. Die-punching apparatus. 1,736,049; Nov. 19.
 Nordendale Manufacturing Company. (See Nordendale, Harry W., assignor.)
 Norgren, Carl A., Denver, Colo. Spray gun. 1,736,357; Nov. 19.
 Norman, Ernest B. (See Sutter, C., Pettit, and Norman.)
 Northern Engraving Company. (See Newman, Augustus L., assignor.)
 Northfield, Glenn H. (See Northfield, Luke W., W. A., and G. H.)
 Northfield, Luke W., W. A., and G. H., Minneapolis, Minn. Scale construction. 1,735,973; Nov. 19.
 Northfield, Wesley A. (See Northfield, Luke W., W. A., and G. H.)
 Northwest Blower Kiln Company. (See Mueller, Moritz L., assignor.)
 Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,736,167; Nov. 19.
 Norton Company. (See Larsson, T., and Beth, assignors.)
 Norton Company. (See Norton, Charles H., assignor.)
 Noville, Carl E., Old Bridge, N. J., assignor to The Kin-Ad-Scope Co., Inc., New York, N. Y. Changeable sign. 1,736,684; Nov. 19.
 Nya Aktiebolaget Galco. (See Strömberg, Anders E. A., assignor.)
 Nye, Sherman G., assignor of part interest to O. D. Cass and E. E. Newman, Denver, Colo. Treating glass for illumination purposes. 1,736,619; Nov. 19.
 Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Testing telegraph transmission. 1,735,933; Nov. 19.
 Onkes, Ernest C., Dunkirk, assignor, by mesne assignments, to Empire Milking Machine Company, Inc., Rochester, N. Y. Milking-machine pulsator. 1,736,010; Nov. 19.
 O'Brien, James E., Brooklyn, and T. F. O'Brien, Richmond Hill, N. Y. Advertising device. 1,735,934; Nov. 19.
 O'Brien, John O. (See Thornton, John E., assignor.)
 O'Brien, Thomas F. (See O'Brien, James E. and T. F.)
 O-Cedar Corp'n. (See Welling, Matthew J., assignor.)
 Ohio Truss Company, The. (See Pease, Isaac M., assignor.)
 Ohlson, John B., assignor to The Vortex Mfg. Co., Chicago, Ill. Dispenser. 1,736,214; Nov. 19.
 Ohmer Fare Register Company. (See Ohmer, John F., assignor.)
 Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Recording device. 1,736,416; Nov. 19.
 Oil Recovery Corporation, The. (See Davis, Ray L., assignor.)
 Okadee Company, The. (See Vissering, Harry, assignor.)
 Oliver United Filters Incorporated. (See Buschak, Lionel H., assignor.)
 Olson, Charles A., and C. H. Beckwith, Geneva, assignors to Crane Co., Chicago, Ill. Motor-operated valve unit. 1,736,417; Nov. 19.
 Olson, Herbert O., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire-drawing apparatus. 1,735,871; Nov. 19.
 Olson, Oliver A., Minneapolis, Minn. Railroad spike. 1,736,168; Nov. 19.
 Olson, Samuel, assignor to Samuel Olson & Company, Chicago, Ill. Automatic unloader for elevators. 1,736,011; Nov. 19.
 Olson, Samuel, & Company. (See Olson, Samuel, assignor.)
 Olsson, Bengt, Brooklyn, assignor, by mesne assignments, to Salvage Process Corporation, New York, N. Y. Oil-pumping apparatus. 1,736,620; Nov. 19.
 O'Neill, Walter I., New York, N. Y. Airplane helicopter. 1,736,872; Nov. 19.
 Oplinger, Kirk A., and L. H. Hill, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Tap-changer mechanism. 1,736,459; Nov. 19.
 Oppenheimer, Ruth B., Crestwood, N. Y. Hair device. 1,736,215; Nov. 19.
 O'Toole, Edward, Gary, W. Va. Roof support. 1,735,974; Nov. 19.
 Owen, Alfred E., Sutton-Coldfield, and A. C. Scott, Codeall, near Wolverhampton, England. Preparing tubes for rear-axle casings. 1,736,748; Nov. 19.
 Pack, Wehrli D., Salt Lake City, Utah, assignor to Utah Radio Products Company, Incorporated. Vibratory unit. 1,735,874; Nov. 19.
 Pack, Wehrli D., Salt Lake City, Utah, assignor to Utah Radio Products Company, Incorporated. Vibratory unit. 1,735,875; Nov. 19.
 Pack, Wehrli D., and J. M. S. King, Salt Lake City, Utah, assignors to Utah Radio Products Company, Incorporated. Sound-reproducing device. 1,735,873; Nov. 19.
 Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
 Palfyn, Paul C. (See Graham, W. D., and Palfyn.)
 Pape, Hermann, Oker/Harz, assignor to Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Extracting volatilisable metals from ores and metallurgical products. 1,736,665; Nov. 19.

Paraffine Companies, The. (See Rosener, Leland S., assignor.)
 Paramount Electric Mfg. Co. (See Meyers, Samuel A., assignor.)
 Parcell, John, New York, N. Y. Illuminating means for photographic cabinets. 1,736,012; Nov. 19.
 Parker, John A., assignor to International Shoe Company, St. Louis, Mo. Centering device for shoe soles. 1,736,216; Nov. 19.
 Parker Rust Proof Company. (See Allen, William H., assignor.)
 Parks, Byron E., Walker Township, Kent County, Mich. Rotary pump. 1,736,666; Nov. 19.
 Parmelee, Charles L., Orange, N. J. Oil still. 1,736,325; Nov. 19.
 Pascal, Charles, Montreal, Quebec, Canada, assignor to Pascal Ball Joint Company, Inc. Electric contact in ball joints. 1,736,217; Nov. 19.
 Pascal Ball Joint Company. (See Pascal, Charles, assignor.)
 Patent Products Corporation of Chicago. (See Macomic, Chester A., assignor.)
 Paterson, Morton L., Boston, assignor to Converse Rubber Company, Malden, Mass. Shoe sole. Des. 79,934; Nov. 19.
 Patten, Charles H., assignor to Rex Manufacturing Company, Providence, R. I. Pocket lighter. 1,736,353; Nov. 19.
 Patterson, Williams S., assignor to Gerecke-Allen Carton Company, St. Louis, Mo. Packing or shipping container. 1,735,876; Nov. 19.
 Paul, Roy B., Seattle, Wash. Atomizing device. Re17,495; Nov. 19.
 Payne, Caleb, assignor to Gypsum Engineering & Manufacturing Co., Chicago, Ill. Manufacture of wall board. 1,735,877; Nov. 19.
 Peachey, John D., Floranada, Fla. Combination shoe and stocking. 1,736,013; Nov. 19.
 Peacock, William, assignor to Woolworth Chemical Company, Little Rock, Pa. Mirror. 1,736,667; Nov. 19.
 Pease, Isaac M., Cincinnati, Ohio, assignor to The Ohio Truss Company, Obesky belt. 1,736,128; Nov. 19.
 Peik, Paul G., Chicago, Ill. Automobile control mechanism. 1,736,089; Nov. 19.
 Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Pneumatic-control apparatus. 1,736,749; Nov. 19.
 Penn Electric Switch Co. (See Penn, Albert, assignor.)
 Permutit Company, The. (See Behrman, Abraham S., assignor.)
 Perryman Electric Co. (See Perryman, George H., assignor.)
 Perryman, George H., West New York, N. J., assignor, by mesne assignments, to Perryman Electric Co., Inc. Amplifier and detector bulb and making the same. 1,736,275; Nov. 19.
 Peru Plow & Wheel Co. (See Fogger, David L., assignor.)
 Peszynska, Louise, Paris, France. Bottle. Des. 79,935; Nov. 19.
 Petersen, Irnfried. (See Heilmann, H., Seefried, Petersen, and Bayerl.)
 Petersen, Jens P. (See Jensen, B. C. S., and Petersen.)
 Peterson, Edwin F., Menominee, Mich. Compressor-operating means. 1,736,507; Nov. 19.
 Pettit, George A. (See Sutter, C., Pettit, and Norman.)
 Pfannhauser, Wilhelm A. F., Leipzig, Germany. Device for measuring the current densities of galvanic baths. 1,735,878; Nov. 19.
 Pferdman, Heinrich, Giesenkirchen, Germany. Apparatus for moistening yarn, threads, and the like. 1,736,359; Nov. 19.
 Phelan, Louis A. M., Beloit, Wis., assignor to Time-O-Stat Controls Company, Elkhart, Ind. Electrical switch. 1,736,129; Nov. 19.
 Phoenix-Hermitec Company. (See Crabbe, Lindsay T., assignor.)
 Pickard, Rosa M., Wilmette, Ill. Doorstop. Des. 79,937; Nov. 19.
 Pickard, Rosa M., Wilmette, Ill. Doorstop. Des. 79,938; Nov. 19.
 Pierce, Nelson C. (See Sautter, William R., assignor.)
 Pierce, Ralph A. (See Clausen, I. M., and Pierce.)
 Pierson, Paul R. (See Cravey, J. B., and Pierson.)
 Pilat, Frank J., and P. A. Cagan, Chicago, Ill. Supporting bracket. 1,736,218; Nov. 19.
 Piston Ring Company. (See Johnson, Charles E., assignor.)
 Pistoni, Enrico and L. Milan, Italy. Coffee-making apparatus. 1,736,460; Nov. 19.
 Pistoni, Lorenzo. (See Pistoni, Enrico and L.)
 Pitcher, Roy E., Henryetta, Okla. Rolling screen. 1,736,668; Nov. 19.
 Pizzorno, Carlo, Genoa, Italy. Power loom in order to obtain brocades therefrom. 1,736,360; Nov. 19.
 Platt Hat Machine Corporation. (See Platt, Louis, assignor.)
 Platt, Joseph, Detroit, Mich. Port shield. 1,736,621; Nov. 19.
 Platt, Louis, New York, N. Y., assignor to Platt Hat Machine Corporation. Hat-finishing machine. 1,736,361; Nov. 19.
 Plauson, Hermann, Hamburg, Germany. Manufacture of sulfur dyestuffs. 1,736,015; Nov. 19.

Plauson, Hermann, Hamburg, Germany, assignor to Diaperoid Syndicate, Ltd., London, England. Manufacture of sulfur dyestuffs. 1,736,014; Nov. 19.
 Plimpton, Bentley A., assignor to Locke Insulator Corporation, Baltimore, Md. Conductor suspension clamp. 1,736,508; Nov. 19.
 Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,736,169; Nov. 19.
 Poeton, Lawrence, assignor to American Optical Company, Southbridge, Mass. Temple. 1,736,362; Nov. 19.
 Polissant de Cloud, Kansas City, Mo. Vehicle wheel. 1,736,180; Nov. 19.
 Polk, Edward H., Sacramento, Calif. Portable platform for lift trucks. 1,736,170; Nov. 19.
 Polymet Manufacturing Corporation. (See Greene, Nathaniel C., assignor.)
 Ponselle, Robert A., New York, N. Y. Floor sander. 1,736,546; Nov. 19.
 Ponting, Herbert G., Oxford Circus, and G. W. Ford, Kensington, London, England, assignors to War. D. Foster, Washington Township, N. J. Film-handling apparatus. 1,736,730; Nov. 19.
 Portable Light Company. (See McRea, John S., assignor.)
 Powell, Albert, and R. White, Pensacola, Fla. Steam-gauge holder. 1,736,669; Nov. 19.
 Powell, Gomert, Michigan City, Ind., assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill. Air clamp. 1,736,171; Nov. 19.
 Power, Henry R., Niagara Falls, N. Y., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Waterproof abrasive. Re17,494; Nov. 19.
 Premier Laboratory Company. (See Hutchison, Miller R., assignor.)
 Prince Macaroni Manufacturing Company Inc. (See Castella, Michele, assignor.)
 Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Actuator. 1,736,050; Nov. 19.
 Proctor, Barton A., Pelham Manor, assignor to W. G. Morse, trustee, New York, N. Y. Photographic apparatus. 1,736,750; Nov. 19.
 Prosperity Company, The. (See Von Stetten, J. O., and Hoffmann, assignors.)
 Publishers Anticaster Service Company. (See Luther, John A., assignor.)
 Pudenko, Ricard, assignor to Landis & Gyr A.-G., Zug, Switzerland. Device for indicating apparent energy consumption. 1,736,090; Nov. 19.
 Pullman Car & Manufacturing Corporation. (See Powell, Gomert, assignor.)
 Purcell, William J., Hammond, Ind. Traffic signal. 1,736,326; Nov. 19.
 Putt-well Golf Corporation. (See Lasting, Hyman B., assignor.)
 Eyr, David W., Brooklyn, N. Y. Vehicle-floor construction. 1,736,584; Nov. 19.
 Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole-positioning means. 1,736,276; Nov. 19.
 Quaker Oats Company, The. (See Nash, C. A., Trickey, and Miner, assignors.)
 Queen Anne Candy Company. (See Weiss, Max, assignor.)
 Rabun, George D. (See Crago, P. H., and Rabun.)
 Rademacher, Erich, Kahla, Germany. Device for the production of smoke and the like. 1,736,091; Nov. 19.
 Radio Corporation of America. (See Ranger, Richard H., assignor.)
 Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine clamp. 1,736,363; Nov. 19.
 Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Flask for multiple molding. 1,736,364; Nov. 19.
 Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Strike-off mechanism for molding machines. 1,736,365; Nov. 19.
 Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Shockless shake-out ball for molds. 1,736,366; Nov. 19.
 Randall, Oliver B., Wheeler, Ore. Wood-shredding machine. 1,736,622; Nov. 19.
 Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Cross screen picture receiving system. 1,736,219; Nov. 19.
 Ray, Arthur B., Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Preparing absorptive carbon. 1,736,061; Nov. 19.
 Raymond, George G., assignor to Lyon Iron Works, Greene, N. Y. Portable table platform. 1,736,172; Nov. 19.
 Raynor, Louis L., New Rochelle, assignor, by mesne assignments, to The Hygienol Co., Inc., New York, N. Y. Device for sewing powder puffs. 1,736,461; Nov. 19.
 Read, Augustus L. (See Lindstrom, Everard R., assignor.)
 Reece, Viola M., et al. (See Reece, V. M., and Armstrong, assignors.)
 Reece, Viola M., and B. Armstrong, assignors of one-half to T. L. Thomson, Detroit, Mich., and one-fourth to said V. M. Reece. Basket and supporting apron therefor. 1,736,131; Nov. 19.
 Reeder, Wesley W., Little Rock, Ark. Wheel loader. 1,736,367; Nov. 19.

Reeves, Alfred N., New London, Conn. Picker stick check for looms. 1,736,327; Nov. 19.
 Regan Forge & Engineering Company. (See Bricken, John, assignor.)
 Reid, James S., assignor, by mesne assignments, to Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,736,173; Nov. 19.
 Reitz, Charles J. (See Miller, William H., assignor.)
 Remington Rand Inc. (See Bruhn, Walter, assignor.)
 Remington Rand Inc. (See Last, James, assignor.)
 Remington Rand Inc. (See Watters, L. A., and Lloyd, assignors.)
 Rennick, Henry A., Ottawa, Ontario, Canada. Battery-post terminal clamp. 1,736,623; Nov. 19.
 Restifo, John L., New York, N. Y. Boxing-glove cover. 1,736,547; Nov. 19.
 Reuter, Irving J., Lansing, assignor to General Motors Corporation, Detroit, Mich. Roadster rear seat. 1,735,908; Nov. 19.
 Rex Manufacturing Company. (See Patten, Charles H., assignor.)
 Reynolds, Frank E. (See Dundin, W. L., and Stehl, assignors.)
 Reynolds, Frederick D., St. Louis, Mo. Combined utility cabinet and stand. 1,735,879; Nov. 19.
 Rhodes-Hochriem Manufacturing Company. (See Hochriem, Gustav F., assignor.)
 Richard, Arthur P., Kansas City, Mo. Flush-tank valve. 1,736,368; Nov. 19.
 Ricardo, Harry R., London, England. Sleeve-valve internal-combustion engine. 1,735,975; Nov. 19.
 Rice, Daniel K., Polo, Ill. Wheeled toy vehicle. 1,736,052; Nov. 19.
 Rich Tool Company. (See Jardine, Robert, assignor.)
 Richards, Alfred E. (See Ricks, F., and Richards.)
 Richardson, Allan S., Butte, Mont. Hand fishing net. 1,736,624; Nov. 19.
 Ricks, Fred, and A. E. Richards, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Edge-finishing machine. 1,735,935; Nov. 19.
 Riemann, Otto, Wellingsbittel, near Hamburg, Germany. Production of starch from sweet potatoes. 1,735,976; Nov. 19.
 Rinehart, William G. (See Miller, L. B., and Rinehart.)
 Rippingille, Edward V., Detroit, Mich., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,736,132; Nov. 19.
 Rivera, Marcelino, New York, N. Y. Combination trap and circuit closer for can-seaming machines. 1,736,092; Nov. 19.
 Robb, John F., Cleveland, Ohio, assignor to Koehring Company, Milwaukee, Wis. Mixing machine control-signaling indicator. 1,736,751; Nov. 19.
 Roberti Bros. (See Lofman, Charles, assignor.)
 Robertson, Dolphus E., Paragould, Ark. Camera attachment. 1,736,220; Nov. 19.
 Robinson, Dighton A., Minneapolis, Minn., assignor, by mesne assignments, to The Central Ohio Steel Products Company, Gallon, Ohio. Gravity-dumping truck body. Re17,497; Nov. 19.
 Robinson, Lewis T., Silverton, Ore. Brooder. 1,736,625; Nov. 19.
 Robinson, Mark, Waterloo, near Liverpool, England. Steam generator. 1,736,462; Nov. 19.
 Rodger, William M., Wollaston, assignor to M. K. Forshee, Mattapan, Mass. Gripping mandrel. 1,736,463; Nov. 19.
 Rodier, Edward J., Glenolden, assignor to Lewis Manufacturing Company, Philadelphia, Pa. Gear-changing mechanism. 1,736,277; Nov. 19.
 Rodman, Clarence J., and A. H. Maude, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, Desfordiser. 1,736,464; Nov. 19.
 Roesch, Frank P., assignor to Harry Vissering and Company, Chicago, Ill. Crank-pin lubricator. 1,736,174; Nov. 19.
 Rohm, Otto, Darmstadt, Germany. Treatment of hides. 1,735,977; Nov. 19.
 Rohn, Wilhelm, Hanau-on-the-Main, Germany. Nickel-chromium-iron alloy and articles made therefrom. 1,736,053; Nov. 19.
 Roiscreen Company. (See Dixon, Harry, assignor.)
 Rose, Alfred G., assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Machine for wrapping caramels and the like. 1,735,978; Nov. 19.
 Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
 Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Apparatus for handling heavy objects. 1,736,016; Nov. 19.
 Rosenfeld, Louis, Baltimore, Md., assignor, by mesne assignments, to Cherry-Burrell Corporation. Milk cooler. 1,736,626; Nov. 19.
 Rosenqvist, Gunnar, Pittsburgh, Pa. Method of and apparatus for making articles of galvanoplastic metal. 1,735,909; Nov. 19.
 Rosenthal, Carl, and H. McL. Armistead, San Francisco, Calif., assignors, by mesne assignments, to The Concor Company, Doorcheck. 1,736,175; Nov. 19.
 Ross, Frederick M., Cincinnati, Ohio. Rim contracting and expanding tool. 1,736,465; Nov. 19.
 Rowland, Jasper M., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Process and apparatus for controllably feeding gases. 1,736,509; Nov. 19.

Royal Typewriter Company. (See Michelsen, William O., assignor.)
 Royer Foundry and Machine Co. (See Royer, George F., assignor.)
 Royer, George F., assignor to Royer Foundry and Machine Co., Wilkes-Barre, Pa. Separator for granular material. 1,736,054; Nov. 19.
 Royer, George F., assignor to Royer Foundry and Machine Co., Wilkes-Barre, Pa. Apparatus for treating and blending molders' sand. 1,736,055; Nov. 19.
 Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing machines. 1,736,466; Nov. 19.
 Ruf, Herman P., New York, N. Y. Cord machine. 1,736,221; Nov. 19.
 Rubley, Elliot F., Toledo, Ohio. Pipe system for hot-air heating. 1,736,222; Nov. 19.
 Rush, Albert, assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Door for hangars and other structures. 1,736,183; Nov. 19.
 Rutherford, John, Slingerlands, assignor to The Embossing Company, Albany, N. Y. Toy building block. 1,736,184; Nov. 19.
 Ryalls, John H., Richmond, Va., assignor to H. S. Hedges, Charlottesville, Va. Reversible transmission for spinning mules. 1,736,627; Nov. 19.
 Sachs, Joseph, West Hartford, Conn. Electrical switching means. 1,736,869; Nov. 19.
 Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,736,371; Nov. 19.
 Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,736,372; Nov. 19.
 Sachs, Joseph, Hartford, Conn. Inclosed electric switch. 1,736,370; Nov. 19.
 Sadler, Philip B., Chicago, assignor to Swenson Evaporator Company, Harvey, Ill. Evaporator. 1,735,979; Nov. 19.
 Sadler, Philip B., Chicago, assignor to Swenson Evaporator Company, Harvey, Ill. Evaporation. 1,735,980; Nov. 19.
 St. John, Everett, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Drive ring. 1,735,939; Nov. 19.
 Salmon, James P., Philadelphia, Pa. Rotary tool handle and tool therefor. 1,736,549; Nov. 19.
 Salsich, Neil E., Bethlehem, Pa. Insulated rail joint. 1,736,328; Nov. 19.
 Salterini, John B., New York, N. Y. Floor lamp. Des. 79,945; Nov. 19.
 Salterini, John B., New York, N. Y. Floor lamp. Des. 79,946; Nov. 19.
 Salterini, John B., New York, N. Y. Bridge lamp. Des. 79,947; Nov. 19.
 Salterini, John B., New York, N. Y. Bridge lamp. Des. 79,948; Nov. 19.
 Salvage Process Corporation. (See Olsson, Bengt, assignor.)
 Sanders, Irvin S., Yuma, Ariz. Head gate. 1,736,628; Nov. 19.
 Sanitarium Equipment Company. (See Goodrich, Norris E., assignor.)
 Sarrett, Bertram, Nashville, Tenn. Sanitary device for water-closet bowls. 1,736,467; Nov. 19.
 Sautter, William R., assignor of forty per cent to N. C. Pierce, Phoenix, Ariz. Copper for forming the ends of strips and sticks. 1,736,629; Nov. 19.
 Schacht, Elmer C., assignor to Behr-Manning Corporation, Troy, N. Y. Abrading device. 1,736,056; Nov. 19.
 Schaefer, Clarence H. (See Koncna, F. E., and Schaefer.)
 Schaffer, rekte Gless, Korneid, Vienna, Austria. Electric incandescent igniter. 1,736,398; Nov. 19.
 Schapenbergh, Ewald, Wetter-on-the-Ruhr, Germany. Pipe clip. 1,736,630; Nov. 19.
 Schecker, Henry F., Brooklyn, N. Y., assignor to Aerovox Wireless Corporation. Electrical condenser and making the same. 1,736,764; Nov. 19.
 Schenck, Charles, and L. Fine, Bethlehem, Pa., assignors to Bethlehem Steel Company. Metal-wheel production. 1,736,329; Nov. 19.
 Schlefer, Paul, San Diego, and R. W. Getty, National City, Calif. Combination school desk and chair. 1,736,135; Nov. 19.
 Schiff, Albert I., New York, N. Y. Automatic clamp. 1,736,290; Nov. 19.
 Schilder, Gustav, Oberschoneweide, near Berlin, Germany. Method of and device for conveying building materials. 1,736,098; Nov. 19.
 Schmidt, Benjamin F., Los Angeles, Calif. Gear-shift mechanism. 1,736,390; Nov. 19.
 Schmidt, Benjamin F., assignor of one-fourth to K. C. Gillette and one-fourth to K. G. Gillette, Los Angeles, Calif. Motor-driven oil-well pump. 1,736,094; Nov. 19.
 Schmidt, Eugene, St. Paul, Minn. Airplane. 1,736,632; Nov. 19.
 Schmidt, Irving, Brooklyn, N. Y. Hand-bag clasp. 1,736,095; Nov. 19.
 Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Meat-grinding machinery. 1,736,550; Nov. 19.
 Schmitt, Joseph J., Algoma, Wis. Foldable chair. 1,736,631; Nov. 19.
 Schnell, Karl, Ulm-on-the-Danau, Germany. Plug-in coupling for electric conductors. 1,735,981; Nov. 19.
 Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Radiator cap or the like for an automobile. Des. 79,936; Nov. 19.

Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Dome light for an automotive vehicle. Des. 79,940; Nov. 19.

Scholl, William M., Chicago, Ill. Arch support. 1,736,418; Nov. 19.

Schou, Theodor, assignor to The Ideal Electric & Manufacturing Co., Mansfield, Ohio. Electric motor and generator. 1,736,551; Nov. 19.

Schroeder, Henry F., assignor to Milwaukee Die Casting Co., Milwaukee, Wis. Guide thermometer. 1,735,880; Nov. 19.

Schubert, Friedrich W., assignor to Bryslika, Limited, Apperley Bridge, near Bradford, England. Washing and conditioning artificial silk wound on bobbins or the like. 1,736,096; Nov. 19.

Schuda, Ernst J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,736,468; Nov. 19.

Schuhmann, Richard L., assignor to W. F. Stimpson, Louisville, Ky. Computing scale. 1,736,136; Nov. 19.

Schutte, Karl H., Jersey City, N. J., assignor of one-half to J. F. Darling, Brooklyn, N. Y. Impregnating felt or other fabrics. 1,736,633; Nov. 19.

Schuttler, Paul, Charlottenburg, Germany. Oscillation absorber for leafsprings. 1,736,670; Nov. 19.

Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. Des. 79,941; Nov. 19.

Scott, Albert C. (See Owen, A. E., and Scott.)

Scullin Steel Co. (See Chiles, George S., assignor.)

Seagraves, Odie R., et al. (See Smith, Harvey S., assignor.)

Seastadt, William E., Chicago, Ill. Shaft bearing. 1,735,851; Nov. 19.

Sedlmayr, Robert. (See Kranzlein, G., and Sedlmayr.)

Seeger, Adolph M., assignor to The Seeger Device Company, Toledo, Ohio. Rod coupling. 1,736,373; Nov. 19.

Seeger Device Company, The. (See Seeger, Adolph M., assignor.)

Seefried, Hermann. (See Heilmann, H., Seefried, Peter-son, and Bayerl.)

Seelhoff, Robert G. (See Madsen, Abner L., Jr., assignor.)

Selden Company, The. (See Jaeger, Alphonso O., assignor.)

Selden Research & Engineering Corporation, The. (See Canon, F. A., and Andrews, assignors.)

Self Locking Schurmann Company. (See Walsh, John E., assignor.)

Sem, Mathias O., Buffalo, N. Y., and C. W. Söderberg, assignors to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Manufacture of electrodes. 1,735,936; Nov. 19.

Seneca Falls Machine Co. (See Smith, E. R., and Ashton, assignors.)

Serra y Pérez, Manuel, Habana, Cuba. Tackle to support scaffolds or similar devices. 1,736,723; Nov. 19.

Servais, Chris, Sioux City, Iowa, and F. Kazmer, South Sioux City, Nebr. Journal roller. 1,736,374; Nov. 19.

Servate, Bernard G., Indianapolis, Ind. Liquid containing combination compact. 1,736,724; Nov. 19.

Shaffer, William D., Brea, Calif. Rod grip. 1,735,937; Nov. 19.

Shank, Keller, Burlington, N. J. Power-transmission device. 1,736,291; Nov. 19.

Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Bearing. 1,736,671; Nov. 19.

Shaw, William E., Minneapolis, Minn. Awning attachment. 1,736,634; Nov. 19.

Sheaffer, James E., Burnham, Pa. Stopper. 1,736,725; Nov. 19.

Shepherd, Winfred P., Pasadena, Calif. Toy. 1,736,176; Nov. 19.

Sherman, Carroll J., Houston, Tex., assignor of one-third to E. Werlein and of one-sixth to C. H. Sherman, Harris County, Tex. Liquid and gaseous fuel burner. 1,735,882; Nov. 19.

Sherman, Charles H., et al. (See Sherman, Carroll J., assignor.)

Sherrick, Samuel T., assignor to E. S. Kassler, Jr., and T. E. Campbell, Denver, Colo. Cleaning composition. 1,736,375; Nov. 19.

Shickluna, Joseph J., Buffalo, N. Y. Grounding box. 1,736,097; Nov. 19.

Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Covering for jewelry boxes and the like. Des. 79,942; Nov. 19.

Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Covering for jewelry boxes and the like. Des. 79,943; Nov. 19.

Shipley, John Q. (See Munson, W. R., and Shipley.)

Short, Charles R., assignor to General Motors Research Corporation, Dayton, Ohio. Resilient connector. 1,735,982; Nov. 19.

Showers, Charles M., Madison, Wis. Concrete mold. 1,736,376; Nov. 19.

Shrum, Peter J., Monaca, Pa., assignors to Colona Manufacturing Company. Thread protector. 1,735,983; Nov. 19.

Shulman, Isador, and M. Shulman, New York, N. Y. Educational game. 1,736,552; Nov. 19.

Shulman, Meyer. (See Shulman, Isador and M.)

Sieben, Henry. (See Murray, Howard J., assignor.)

Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Bule, Martin, assignor.)

Silen, Erick, Stella, Wash. Combination baker, oven, and griddle. 1,736,223; Nov. 19.

Simmonds, Clyde S., Sacramento, Calif. Coupling. 1,735,910; Nov. 19.

Sinclair Refining Company. (See Appar, Frank A., assignors.)

Sinclair Refining Company. (See Tift, T. A., and Vobach, assignor.)

Sinclair Refining Company. (See Vobach, Arnold C., assignor.)

Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)

Singleton, Gray, Fort Meade, and R. P. Thornton, Lakeland, Fla. Treating phosphate rock. 1,736,553; Nov. 19.

Sisco, Harry V., Burchard, Nebr. Wash boiler. 1,735,938; Nov. 19.

Skelley, Charles L., New York, N. Y. Razor strop and casing. 1,736,510; Nov. 19.

Skinner, Raymond W., Tulsa, Okla. Belt fastener. 1,736,377; Nov. 19.

Slack, Walter W., Springfield, Vt., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last lathe. 1,736,278; Nov. 19.

Slate, Alda J., Sudan, Tex. Body garment. 1,736,224; Nov. 19.

Sleeman, William C., Birmingham, Ala. Railway-car construction. 1,736,292; Nov. 19.

Smart, Carroll M., Highland Park, Mich. Bullet-proof counter attachment. 1,736,672; Nov. 19.

Smith, Aden E., assignor to The D. A. Eblinger Sanitary Mfg. Co., Columbus, Ohio. Refrigerated-bottle dispenser. 1,736,057; Nov. 19.

Smith, Arthur R., Schenectady, N. Y., assignor by mesne assignments, to Bailey Meter Company. Furnace regulation. 1,736,752; Nov. 19.

Smith, Arthur R., Schenectady, N. Y., assignor, by mesne assignments, to Bailey Meter Company. Furnace regulation. 1,736,753; Nov. 19.

Smith, Arvey, Winchester, Ill., assignor to Koehring Company, Milwaukee, Wis. Derrick. 1,736,419; Nov. 19.

Smith, Edwin R., and R. A. Ashton, assignors to Seneca Falls Machine Co., Seneca Falls, N. Y. Steady rest. 1,736,378; Nov. 19.

Smith, Elmer H., Minneapolis, Minn. Acetylene-gas generator. 1,736,673; Nov. 19.

Smith, Frank, Salem, Ohio. Furniture construction. 1,736,511; Nov. 19.

Smith, George E., assignor to American Engineering Company, Philadelphia, Pa. Electrically-operated towing machine. 1,736,674; Nov. 19.

Smith, Harvey S., assignor of one-half to O. R. Seagraves, Houston, and W. L. Moody III, Galveston, Tex. Apparatus for cleaning well-casing screens. 1,736,017; Nov. 19.

Smith, Ira W., Newark, N. J., assignor to B. L. Akins, Inc., Advertising display device. 1,735,883; Nov. 19.

Smith, John E., Sons Co. (See Van Hooydonk, Adrian C., assignor.)

Smith, Joseph B., Havana, Ill. Display device. 1,736,225; Nov. 19.

Smith, Prince, & Son, Limited. (See Lumby, Lewis, assignor.)

Snook, Clarence G., assignor to The Troy Sunshade Company, Troy, Ohio. Umbrella construction. 1,736,177; Nov. 19.

Societe Anonyme des Appareils de Manutention et Fours Stein. (See Niemckoff, Gregoire, assignor.)

Söderberg, Carl W. (See Sem, M. O., and Söderberg.)

So-Lo Jack Co. (See Larson, Nila G., assignor.)

Sommer, William R., assignor to The Jiffy Wire Connector Company, Hackensack, N. J. Wire connector. 1,736,379; Nov. 19.

Spang, Joseph P., Quincy, Mass. Meat-tendering device. 1,736,137; Nov. 19.

Spang, Joseph P., Quincy, Mass. Meat-tendering device. 1,736,138; Nov. 19.

Spencer, Richard V., Richard V., Los Angeles, Calif. Aeroplane. 1,736,226; Nov. 19.

Sperry Gyroscope Company. (See Bassett, Preston R., assignor.)

Sponable, Earl L., assignor to Fox-Case Corporation, New York, N. Y. Reproducing apparatus. 1,736,139; Nov. 19.

Standard Oil Company of California. (See Atkinson, Walter V., assignor.)

Steele, Claude A., Cheyenne, Wyo. Cotton-planter attachment. 1,736,880; Nov. 19.

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 1,736,635; Nov. 19.

Steeze, Marcus C., Hamburg, N. Y. Burning fuel in regenerative furnaces. 1,736,675; Nov. 19.

Stegenmeyer, Lou A. (See Fischer, C., Jr., and Stegenmeyer.)

Stehl, Edwin S. (See Dundin, W. L., and Stehl.)

Stein, Berthold. (See Trautner, W. Stein, and Berliner.)

Steiner, George A., and J. Evans, assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,736,140; Nov. 19.

Steiner Sales Company. (See Steiner, G. A., and Evans, assignors.)

Stenvig, Carl A., Bellingham, Wash. Apparatus for drying fields. 1,736,227; Nov. 19.

Sterling Corporation, The. (See Flammang, J., and Bowser, assignors.)

Stevens, Arthur L., Evanston, assignor to Arthur L. Stevens Corporation, Chicago, Ill. Open-hearth-furnace construction. 1,736,023; Nov. 19.

Stevens, Arthur L., Corporation. (See Stevens, Arthur L., assignor.)

Stever, William, Berlin, Germany, assignor to Behr-Manning Corporation, Troy, N. Y. Abrading device. 1,736,098; Nov. 19.

Stewart Curtis Packers, Inc. (See Addison, Amos I., assignor.)

Stiefel, Ralph C., Ellwood City, Pa. Tube-forming mill. 1,736,099; Nov. 19.

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler uptake. 1,735,884; Nov. 19.

Stimpson, Walter F. (See Schuhmann, Richard L., assignor.)

Stirnweis, Andrew, Jr., Brooklyn, N. Y. Automatic switch operator. 1,736,676; Nov. 19.

Stokes, Charles L., Los Angeles, Calif. Liquid-feed system. 1,736,100; Nov. 19.

Stone, Walter B., Webster, Mass. Storage-battery separator and retainer. 1,736,101; Nov. 19.

Storch, Samuel, Brooklyn, N. Y., assignor to The Emeloid Co., Inc., Arlington, N. J. Hygienic mouthpiece. 1,736,228; Nov. 19.

Stover Signal Engineering Company, The. (See Styberg, Ernest C., assignor.)

Stratford, Charles W., San Francisco, Calif. System of treating hydrocarbon distillates and apparatus used in connection therewith. 1,736,018; Nov. 19.

Strausler, Nicholas, London, England. Motor vehicle. 1,735,984; Nov. 19.

Straussler, Nicholas, London, assignor to A. M. Billington, Hayes, Middlesex, England. Coin receptacle, change-giving machine, and the like. 1,736,677; Nov. 19.

Strieby, Maurice E. (See Martin, W. H., and Strieby.)

Strömberg, Anders E. A., assignor to Nya Aktiebolaget Galco, Stockholm, Sweden. Self-closing oil cut. 1,736,229; Nov. 19.

Stromeyer, Dietrich C., St. Louis, Mo. Portable crane. 1,736,102; Nov. 19.

Styberg, Ernest C., Racine, Wis., assignor to The Stover Signal Engineering Company, Milwaukee, Wis. Casing for an ice-cream freezer. Des. 79,949; Nov. 19.

Styles, Asa J., Emond, N. Dak. Aircraft-control mechanism. 1,736,230; Nov. 19.

Sullivan, Charles A., Detroit, Mich. Wheel. 1,736,279; Nov. 19.

Sundstrand Engineering Company. (See Sundstrand, Gustaf D., assignor.)

Sundstrand, Gustaf D., assignor to Sundstrand Engineering Company, Rockford, Ill. Automatic oil burner. 1,735,911; Nov. 19.

Sundstrand, Gustaf D., assignor to Sundstrand Engineering Company, Rockford, Ill. Safety control device. 1,736,141; Nov. 19.

Sundstrand, Gustaf D., assignor, by mesne assignments, to Sundstrand Engineering Company, Rockford, Ill. Oil burner and control therefor. 1,736,420; Nov. 19.

Sunnen, Joseph, St. Louis, Mo. Valve-spring clip and manufacturing same. 1,736,231; Nov. 19.

Sunseri, Francesco. (See Arrigo, F., Jr., and Sunseri.)

Sutter, Carl, G. A. Pettit, and E. R. Norman, New Orleans, La., assignors to said G. A. Pettit. Lubricating system. 1,736,058; Nov. 19.

Sutton, William P., Seminole, assignor to Indian Territory Illuminating Oil Company, Bartlesville, Okla. Guard for protecting couplings of well tubings. 1,736,178; Nov. 19.

Swanson, Leonford H., Moline, Ill. Air compressor. 1,736,469; Nov. 19.

Swenson Evaporator Company. (See Sadtler, Philip B., assignor.)

Swozey, Burdette S. (See Watson, E. F., and Swozey.)

Szydlowski, Josef, Baden-Baden, Germany. Driving mechanism for internal-combustion engines. 1,736,689; Nov. 19.

Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)

Tabor Manufacturing Company, The. (See Wallace, Frank R., assignor.)

Tatar, Stanley, Detroit, Mich. Tack driver. 1,736,686; Nov. 19.

Tate, Joseph T., et al. (See Greenstreet, Oliver P., assignor.)

Taylor, Herman J., Milwaukee, Wis., assignor, by mesne assignments, to Vulcan Motor Devices Company. Lockable gear-shifting device. 1,736,059; Nov. 19.

Taylor, Thomas F., San Francisco, Calif. Dirigible head-light. 1,736,232; Nov. 19.

Teague, Merwyn C. (See Hopkins, E., and Teague.)

Teague, Walter D., Forest Hills, N. Y., assignor to Turner Glass Company, Terre Haute, Ind. Jar or similar container. Des. 79,944; Nov. 19.

Television Limited. (See Baird, John L., assignor.)

Ternstedt Manufacturing Company. (See Edgar, F. M., and Archer, assignors.)

Ternstedt Manufacturing Co. (See Fawer, F. J., and Edgar, assignors.)

Ternstedt Manufacturing Company. (See Schnell, William, assignor.)

Texas Iron Works Sales Corporation. (See Nixon, Jedd D., assignor.)

Thomas, Hans, Karlsruhe, Baden, and H. Kosel, Offenbach-on-the-Main, Germany. Pump or motor. 1,736,764; Nov. 19.

Thomas & Betts Co., The. (See Thomas, George C., Jr., assignor.)

Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door and brake control device. 1,736,019; Nov. 19.

Thomas, George C., Jr., Elizabeth, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 1,736,020; Nov. 19.

Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. 1,736,021; Nov. 19.

Thompson, Allison J., Cleveland, Ohio. Lamp-hanger structure. 1,736,612; Nov. 19.

Thompson Electric Welding Company. (See Muir, James A., assignor.)

Thompson, James H., East Kew, Australia. Teapot. 1,736,381; Nov. 19.

Thomson, Thomas L., et al. (See Reece, V. M., and Armstrong, assignors.)

Thornton, John E., West Hampstead, London, England. Multicolor cinematograph film. 1,736,555; Nov. 19.

Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Color photography and sensitized material therefor. 1,736,554; Nov. 19.

Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Multicolor cinematograph film material. 1,736,556; Nov. 19.

Thornton, John E., Jersey, Channel Islands, assignor to John O. O'Brien, Manchester, England. Process and apparatus for the production of relief images on cinematograph film strips. 1,736,557; Nov. 19.

Thornton, Richard W., Denver, Colo. Playground apparatus. 1,736,678; Nov. 19.

Thornton, Robert P. (See Singleton, G., and Thornton.)

Thorp, Joel R. (See Winning, R. K., and Thorp.)

Thriff, Griffin C., Houston, Tex. Propeller guard. 1,735,912; Nov. 19.

Throm, Albert J., Jeannette, Pa. Glass mold. 1,736,637; Nov. 19.

Thurman, John S., St. Louis, Mo. Cotton harvester. 1,736,233; Nov. 19.

Tierney, John J., New York, N. Y. Glove-cleaning device. 1,736,679; Nov. 19.

Tift, Thomas D., Chicago, Ill., and A. C. Vobach, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,736,022; Nov. 19.

Time-O-Stat Controls Company. (See Phelan, Louis A. M., assignor.)

Tinken Roller Bearing Company, The. (See Else, Harry D., assignor.)

Toliver, William A., Chattanooga, Tenn. Changeable-speed transmission-gear attachment for cycles. 1,736,680; Nov. 19.

Tomlinson, Homer E., Malden, Mo. Machine for cleaning cotton. 1,736,142; Nov. 19.

Topham, Charles E., E. Haseley, and E. A. Morton, Coventry, assignors to Courtauld's Limited, London, England. Manufacture of artificial threads, filaments, and the like. 1,736,681; Nov. 19.

Torrence, Jo M. (See Torrence, Leo M., assignor.)

Torrence, Leo M., Topeka, assignor to J. M. Torrence, Arlington, Kans. Traffic signal. 1,736,382; Nov. 19.

Torrey, Lucien L., Los Angeles, Calif. Refrigerating apparatus. 1,736,470; Nov. 19.

Toulmin, Harry A., Jr., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. 1,736,024; Nov. 19.

Towie, Frank I., St. Paul, Minn. Container spacer. 1,735,885; Nov. 19.

Townsend, Arthur J. (See Nangle, H. M., and Townsend.)

Townsend, Arthur J., Canton, assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Channel rolling mill. 1,736,331; Nov. 19.

Townsend, Joseph M., Worcester, assignor of one-half to H. T. Folson, South Hamilton, Mass. Cutting machine. 1,736,143; Nov. 19.

Townsend, William, Toronto, Ontario, Canada. Signal apparatus for motor vehicles. 1,736,060; Nov. 19.

Trautner, Willy, B. Stein, and E. Berliner, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Making 1-phenyl-benzanthrone compounds. 1,736,061; Nov. 19.

Trickey, John P. (See Nash, C. A., Trickey, and Miner.)

Triplett, James B., Long Beach, Calif. Drum construction. 1,736,144; Nov. 19.

Troy Sunshade Company, The. (See Snook, Clarence G., assignor.)

Tubbs, W. F. Company, The. (See Gibson, Louis D., assignor.)

Tuckerman, Louis B., Washington, D. C. Optical lever. 1,736,682; Nov. 19.

Turcott, David, assignor to Yates-American Machine Company, Beloit, Wis. Steady rest for automatic lathes. 1,736,421; Nov. 19.

Turlington, Charles D., Lillington, assignor of one-half to E. F. Young, Dunn, N. C. Trace-chain book. 1,736,042; Nov. 19.

Turner Glass Company. (See Teague, Walter D., assignor.)

Twitchell Process Company, The. (See Fischer, C. Jr., and Stegemeyer, assignors.)
 Underwood Elliott Fisher Company. (See Johnson, Arthur A., assignor.)
 Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
 Union Special Machine Company. (See Moffatt, J. R., and Kelso, assignors.)
 Union Special Machine Company. (See Rubel, Charles F., assignor.)
 Union Special Maschinenfabrik G. m. b. H. (See Maier, Karl, assignor.)
 Union Switch & Signal Company, The. (See Bell, Charles W., assignor.)
 Union Switch & Signal Company, The. (See Field, Oscar S., assignor.)
 Union Switch & Signal Company, The. (See McCauley, John E., assignor.)
 United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
 United Shoe Machinery Corporation. (See Meyer, William C., assignor.)
 United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
 United Shoe Machinery Corporation. (See Ricks, F., and Richards, assignors.)
 Universal Engineering Company. (See Fagergren, William, assignor.)
 Utah Radio Products Company. (See Pack, Wehrli D., assignor.)
 Utah Radio Products Company. (See Pack, W. D., and King, assignors.)
 Van Buren, Chester G., Chicago, Ill. Loose-leaf binder. 1,736,558; Nov. 19.
 Van Denburg, John W., New York, N. Y. Method and apparatus for repairing leaky conduits. 1,736,293; Nov. 19.
 Vanderzee, Oscar, Hawthorne, N. J. Closure operating means. 1,736,103; Nov. 19.
 Van Hooydonk, Adrian C., assignor to John E. Smith Sons Co., Buffalo, N. Y. Machine for grinding meat and the like. 1,736,333; Nov. 19.
 Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,735,886; Nov. 19.
 Venzie, Frederick M., Philadelphia, Pa. Plaster composition. 1,736,294; Nov. 19.
 Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 1,735,940; Nov. 19.
 Vester, Alfred, Sons, Inc. (See Wightman, Thomas H., assignor.)
 Vignos, James C., Canton, Ohio. Pickling process. 1,736,332; Nov. 19.
 Virck, Paul, Dessau in Anhalt, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Condensation product containing sulphur. 1,736,063; Nov. 19.
 Visible Night-and-Day Street-Name Signs, Incorporated. (See Gatchell, Helen C., assignor.)
 Vissering, Harry, assignor to The Okadee Company, Chicago, Ill. Outlet valve. 1,736,179; Nov. 19.
 Vissering, Harry, and Company. (See Roesch, Frank P., assignor.)
 Vobach, Arnold C. (See Tift, T. D., and Vobach.)
 Vobach, Arnold C., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,736,234; Nov. 19.
 Volinath, Edwin, Easton, Pa. Combination belt punching and cutting machine. 1,736,559; Nov. 19.
 Von Frankenberg, Arthur, New York, N. Y. Waterproof receptacle. 1,736,295; Nov. 19.
 Von Kersburg, Harry E., Scarsdale, assignor to R. H. Macy & Co., Inc., New York, N. Y. Key unit. 1,736,235; Nov. 19.
 Von Stetten, Julius O., and O. U. Hofmann, Philadelphia, Pa., assignors, by mesne assignments, to The Prosperity Company, Inc. Garment press. 1,736,296; Nov. 19.
 Vortex Mfg. Co., The. (See Olson, John B., assignor.)
 Vulcan Motor Devices Company. (See Taylor, Herman J., assignor.)
 Waggoner, William H., Kansas City, Mo. Linoleum jacket. 1,736,383; Nov. 19.
 Wagner, Charles F., Pittsburgh, and R. D. Evans and S. B. Griscom, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,736,471; Nov. 19.
 Wakefield, Frank E., assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. 1,736,025; Nov. 19.
 Wakeland, Claude S., Wayland, Ky. Switch. 1,736,683; Nov. 19.
 Waldron, William R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthracene dye and making same. 1,735,941; Nov. 19.
 Walker, Emory L., Wauwatosa, assignor to Kleckhefer Container Co., Milwaukee, Wis. Sealing machine for boxes. 1,736,180; Nov. 19.
 Walker, George, Newton Center, Mass. Unidirectional driving mechanism. 1,736,064; Nov. 19.
 Walker, Irl R., Shreveport, La., assignor to R. Hoe & Co., Inc., New York, N. Y. Circular saw. 1,736,580; Nov. 19.
 Walker, Norman, assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator. 1,735,942; Nov. 19.
 Wallace, Frank R., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Check and starter for molding machines. 1,736,513; Nov. 19.

Wallace, Frank R., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,736,514; Nov. 19.
 Walsh, John E., Chicago, Ill., assignor to Self Locking Schurmann Company. Cushioned egg carton. 1,736,755; Nov. 19.
 Walsh, John E., Chicago, Ill., assignor to Self Locking Schurmann Company. Cushioned carton. 1,736,756; Nov. 19.
 Wandscheer, Ben, et al. (See Curtis, Harry D., assignor.)
 Wandscheer, Daniel, et al. (See Curtis, Harry D., assignor.)
 Wandscheer, Gerrit, et al. (See Curtis, Harry D., assignor.)
 Wandscheer, Jacob, et al. (See Curtis, Harry D., assignor.)
 Waring, Horace, Liverpool, assignor to Associated Lead Manufacturers Limited, London, England. Pulverizer. 1,735,985; Nov. 19.
 Warrington, James N., Los Angeles, Calif. Pile extractor and the like. 1,736,104; Nov. 19.
 Washington, Dixon E. (See Washington, Jim D. E., assignor.)
 Washington, Jim D. E., assignor of one-half to D. E. Washington, Kansas City, Mo. Rotary pump or motor. 1,736,105; Nov. 19.
 Waterer, John W., Greenwich, assignor to Barrow, Hepburn & Gale, Limited, London, England. Handle. 1,736,640; Nov. 19.
 Watson, Edward F., Larchmont, and B. S. Swezey, Floral Park, N. Y., assignors to American Telephone and Telegraph Company. Testing telegraph transmission. 1,735,943; Nov. 19.
 Watel, Achille L. F., Sevres, France. Apparatus for replacing spark plugs. 1,736,561; Nov. 19.
 Watters, Luther A. and S. F. Floyd, Edwardsville, Ill., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Accounting apparatus and method. 1,736,334; Nov. 19.
 Wayne Home Equipment Company, The. (See Myers, Lee V., assignor.)
 Web Engineering Company, The. (See Baker, W. B., and Aland.)
 Webb, Fred E., Watertown, N. Y. Window construction. 1,736,638; Nov. 19.
 Wego, Peter C., St. Paul, Minn. Tray elevator. 1,736,472; Nov. 19.
 Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Puller-feed sewing machine. 1,736,297; Nov. 19.
 Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Combined top-feed and ruffler mechanism for cylinder sewing machines. 1,736,298; Nov. 19.
 Welles, Max, Chicago, Ill., assignor to Queen Anne Candy Company, Hammond, Ind. Cellophane bag. 1,736,191; Nov. 19.
 Welling, Matthew J., assignor to O-Cedar Corp'n, Chicago, Ill. Forming can tops. 1,736,422; Nov. 19.
 Wemple, Leland E. (See Daesen, J. R., and Wemple.)
 Werlein, Ewing, et al. (See Sherman, Carroll J., assignor.)
 Wertz, Enos, Salem, Va. Fountain mop. 1,736,236; Nov. 19.
 West, Arthur J., Bethlehem, Pa., assignor to Bethlehem Steel Company, New York, N. Y. Lubricating system. 1,736,335; Nov. 19.
 West, O. L., et al., executors. (See Zimmerman, William G.)
 Westbury, William, and P. W. Collins, Independence, Kans., assignors, by mesne assignments, to Harding Glass Company, Fort Smith, Ark. Pot and kiln construction. 1,736,026; Nov. 19.
 Western Electric Company. (See Blood Harold L., assignor.)
 Western Electric Company. (See Boedeker, Walter U., assignor.)
 Western Electric Company. (See Olson, Herbert O., assignor.)
 Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
 Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
 Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Erskine, Ralph W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Frank, Leo C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hill, Edward P., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Jannenga, R. L., and Lemmerhart, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Legg, Joseph W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Masek, James C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Mateer, Jesse E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)

Westinghouse Electric and Manufacturing Company. (See Merten, W. J., and Gayley, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Oplinger, K. A., and Hill, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Rodman, C. J., and Maude, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Wagner, C. F., Evans, and Griscom, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
 Whaley, William, assignor to Myers-Whaley Company, Knoxville, Tenn. Railway track. 1,735,944; Nov. 19.
 Whitaker, Gordon T., Beverly, assignor to Empire Metal Products Co., Inc., Lynnfield, Mass. Flashing. 1,736,237; Nov. 19.
 White, Robert. (See Powell, A., and White.)
 Whiting Corporation. (See Betham, M. F., and Moore, assignors.)
 Wick, Louis J., assignor to Wicks Pipe Organ Co., Highland, Ill. Valve-operating mechanism for organs. 1,736,654; Nov. 19.
 Wicks Pipe Organ Co. (See Wick, Louis J., assignor.)
 Wico Electric Company. (See Hendrickson, Ira E., assignor.)
 Widman, Frank J., Oak Park, Ill. Stoker. 1,735,913; Nov. 19.
 Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 79,939; Nov. 19.
 Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Gas range. 1,736,473; Nov. 19.
 Wilder, George W., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,736,685; Nov. 19.
 Willford, Edward B., Merion, Pa. Aircraft. 1,736,299; Nov. 19.
 Willford, Edward B., Merion, assignor of one-half to J. B. Willford, Philadelphia, Pa. Airplane. 1,736,300; Nov. 19.
 Willford, John S. (See Willford, Edward B., assignor.)
 Wilhelm, John H., Long Island, assignor to Markon Mfg. Inc., New York, N. Y. Tool for use in attaching eye sets in doll heads. 1,736,562; Nov. 19.
 Wilkins, James A., Norfolk, Va. Stomach tube. 1,736,182; Nov. 19.
 Williams, Edward T., Brooklyn, N. Y. Thermostatic-circuit controller. 1,736,027; Nov. 19.
 Williams, John H., Providence, R. I. Tenter clip. 1,736,686; Nov. 19.
 Williams, Roger, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,736,065; Nov. 19.
 Williams, Ruth G. (See Breeding, Ruth W.)
 Williams, Thomas C., Bakersfield, Calif. Food cutter. 1,736,238; Nov. 19.
 Williamson, Frederick B. Jr., Elizabeth, N. J. Hose. 1,736,106; Nov. 19.
 Williamson, Percy L., Long Beach, Calif. Controlling device for electric-lighting systems. 1,736,474; Nov. 19.
 Wilmot Engineering Company. (See Wilmot, George W., assignor.)
 Wilmot, George W., assignor to Wilmot Engineering Company, Hazelton, Pa. Tooth for crushing rolls. 1,736,563; Nov. 19.
 Wilson, James E., assignor of one-half to H. R. Meade and one-fourth to A. M. Cox, Greeneville, Tenn. Button-sewing attachment. 1,736,475; Nov. 19.

Wilson, Sidney A., Davenport, Iowa. Multiple carburetor. 1,736,239; Nov. 19.
 Wine, William E., Toledo, Ohio. Side bearing. 1,736,476; Nov. 19.
 Winklehaus, Frederick O., Woodhaven, N. Y., assignor to Metropolitan Electric Manufacturing Company. Electric panel or distribution board. 1,736,028; Nov. 19.
 Winning, Robert K., Wauwatosa, and J. R. Thorp, West Allis, Wis., assignors, by mesne assignments, to The Dudley Lock Corporation, Chicago, Ill. Permutation lock. 1,736,183; Nov. 19.
 Wolf, Walter G. (See Keefer, Walter L., assignor.)
 Wolfert, Edward R., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,736,477; Nov. 19.
 Wollaston, Thomas R., Manchester, England. Boiler and the like. 1,735,945; Nov. 19.
 Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generator. 1,736,423; Nov. 19.
 Woodcock, Willard J., Brooklyn, N. Y. Stoker. 1,736,564; Nov. 19.
 Woodcock, Willard J., Brooklyn, N. Y. Automatic stoker. 1,736,565; Nov. 19.
 Woolnough, Albert E., St. Albans, N. Y. Toy animal. 1,736,637; Nov. 19.
 Woolworth Chemical Company. (See Peacock, William, assignor.)
 Wray, Frederick, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-soled shoe and making the same. 1,735,956; Nov. 19.
 Wread, Spencer, F., Los Angeles, Calif. Door-latch-operating means. 1,735,914; Nov. 19.
 Wright, James W., assignor to E. A. Early, Eureka, Calif. Bill file. 1,736,384; Nov. 19.
 Wittenhofer, Julius, Dortmund, Germany. Miner's stay. 1,736,301; Nov. 19.
 Wyas, Emil A., assignor of one-third to N. Medofsky and one-third to E. Hecker, Bern, Switzerland. Suspension device. 1,736,240; Nov. 19.
 Yale & Towne Manufacturing Company, The. (See Wilder, George W., assignor.)
 Yates-American Machine Company. (See Turcott, David, assignor.)
 Yates, Harry J., et al. (See Dolphin, James, assignor.)
 Yeager, Fay A., assignor to J. R. M. Knudsen, Muskegon, Mich. Window construction. Rel. 7,496; Nov. 19.
 Yerby, Gordon S., and J. F. Hewitt, Portland, Oreg. Vehicle screen. 1,736,688; Nov. 19.
 York Ice Machinery Corporation. (See Lauer, Stewart E., assignor.)
 York, Robert E., Philadelphia, Pa. Thread moistener for hose or stocking knitting machines. 1,736,560; Nov. 19.
 Young, Ernest F. (See Turlington, Charles D., assignor.)
 Young, Hugh C., assignor to H. T. Bradner, Cleveland, Ohio. Combined shipping container and display device. 1,736,726; Nov. 19.
 Zieg, Fred C. (See Munson, W. B., and Shipley, assignors.)
 Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
 Zimmerman, Isabella V., et al., executors. (See Zimmerman, William G.)
 Zimmerman, William G., deceased, Everett, Wash.; I. V. Zimmerman and O. L. West, executors. Joiner. 1,736,641; Nov. 19.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrading device. E. C. Schacht. 1,736,056; Nov. 19.
Abrading wheel. W. Stever. 1,736,098; Nov. 19.
Abrasive wheel. A. G. Mosher. 1,736,355; Nov. 19.
Abrasive fabric, Waterproof. F. J. Crupl. Re17,491; Nov. 19.
Abrasive, Waterproof. H. R. Power. Re17,494; Nov. 19.
Absorption. J. A. Campbell. 1,736,070; Nov. 19.
Accounting apparatus and method. L. A. Watters and S. F. Lloyd. 1,736,334; Nov. 19.
Accounting method and apparatus. W. Bruhn. 1,736,339; Nov. 19.
Acetic anhydride. H. Dreyfus. 1,735,958; Nov. 19.
Acetic anhydride, Manufacture of. H. Dreyfus. 1,735,956-7; Nov. 19.
Acoustical apparatus. H. L. Kent. 1,736,042; Nov. 19.
Actuator. W. S. Pritchard. 1,736,050; Nov. 19.
Adjustable seat. P. S. Eckland. 1,736,701; Nov. 19.
Adjustable wrench. L. T. Crabbe. 1,736,696; Nov. 19.
Adjusting lifts of paper upon feed boards, Mechanism for. R. Miehle. 1,736,414; Nov. 19.
Advertising device. J. E. and T. F. O'Brien. 1,735,984; Nov. 19.
Advertising device, Electric. G. McCoshen. 1,736,613; Nov. 19.
Aeronautical vessel. J. Hohnowski. 1,736,263; Nov. 19.
Aeroplane. R. V. Spencer. 1,736,226; Nov. 19.
Aeroplane, Manually-driven. T. Leika. 1,736,541; Nov. 19.
Air-chamber seat, Collapsible. N. S. Harter. 1,736,155; Nov. 19.
Air clamp. G. Powell. 1,736,171; Nov. 19.
Air compressor. L. H. Swanson. 1,736,469; Nov. 19.
Air connection for twin tires, Cross. W. L. Dundin and E. S. Stehl. 1,736,191; Nov. 19.
Air cooler. S. E. Lauer. 1,736,406; Nov. 19.
Aircraft. E. B. Wilford. 1,736,299; Nov. 19.
Airplane. E. Schmidt. 1,736,632; Nov. 19.
Airplane. E. B. Wilford. 1,736,300; Nov. 19.
Airplane helicopter. W. I. O'Neill. 1,735,872; Nov. 19.
Airlship. C. H. Freese. 1,736,439; Nov. 19.
Alarm: See—
Fire alarm.
Aldehydes from oxidation and agents therefor, Protection of. H. A. Morton. 1,736,747; Nov. 19.
Aliphatic compound, Manufacture of an. H. Dreyfus. 1,735,959; Nov. 19.
Aliphatic compound, Manufacture of an. H. Dreyfus. 1,735,962; Nov. 19.
Alloy and articles made therefrom, Nickel-chromium-iron. W. Rohm. 1,736,053; Nov. 19.
Amalgam, Method of using. L. H. Duschak. 1,736,072; Nov. 19.
Ammeter. J. E. Eshbaugh. 1,735,919; Nov. 19.
Amplifier and detector bulb and making the same. G. H. Perryman. 1,736,275; Nov. 19.
Amplifier, Sound-reproducing. N. Lalil. 1,736,606; Nov. 19.
Aquaplane. N. S. Harter. 1,736,156; Nov. 19.
Arm rest and prop, Combined. A. F. Bailly. 1,736,569; Nov. 19.
Ash receiver. C. Ellis. Re17,492; Nov. 19.
Ash receiver, Tobacco. L. Ludwig. Des. 79,930; Nov. 19.
Atomizer. T. A. De Vilbiss. 1,736,393; Nov. 19.
Atomizing device. R. B. Paull. Re17,495; Nov. 19.
Autographic register. L. F. Hagemann. 1,735,858; Nov. 19.
Autographic register. L. F. Hagemann and W. Greig. 1,735,857; Nov. 19.
Automatic clamp. A. I. Schiff. 1,736,290; Nov. 19.
Automatic switch. E. C. Blem. 1,735,845; Nov. 19.
Automobile control mechanism. P. G. Peik. 1,736,089; Nov. 19.
Awning attachment. W. E. Shaw. 1,736,634; Nov. 19.
Axles, Forging. F. H. Moyer. 1,736,321; Nov. 19.
Bag: See—
Cellophane bag.
Ball for molds, Shockless shake-out. J. T. Ramsden. 1,736,366; Nov. 19.
Bait, Fish. C. Heddon. 1,736,403; Nov. 19.
Baker, oven, and griddle, Combination. E. Silen. 1,736,223; Nov. 19.
Baling press. C. A. Brown. 1,736,338; Nov. 19.
Bar: See—
Splice bar.
Base exchange materials, Making. A. S. Behrman. 1,736,281; Nov. 19.
Basket and supporting apron therefor. V. M. Reece and B. Armstrong. 1,736,131; Nov. 19.
Bathub, Infant's collapsible. A. G. Feldman. 1,735,905; Nov. 19.

Battery-cell extractor. W. R. Munson and J. Q. Shipley. 1,736,506; Nov. 19.
Battery separator and retainer, Storage. W. B. Stone. 1,736,101; Nov. 19.
Bearing. W. J. Shaw. 1,736,671; Nov. 19.
Bearing for the rolls of rolling mills. L. Jones. 1,736,601; Nov. 19.
Bearing, Pump. J. E. Bond. 1,736,426; Nov. 19.
Bearing, Roller. H. D. Elise. 1,736,037; Nov. 19.
Bearing, Shaft. W. E. Seastedt. 1,735,881; Nov. 19.
Bearing, Side. W. E. Wine. 1,736,476; Nov. 19.
Bed, Foldable day. F. S. Inco. 1,736,158; Nov. 19.
Bed for apartments. A. W. Kelchline. 1,736,663; Nov. 19.
Bed, Non-tipping roll-around. C. Lofman. 1,736,203; Nov. 19.
Belt and the like, Electrically-heated. W. D. Graham and P. C. Palfyn. 1,736,590; Nov. 19.
Belt, Obesity. I. M. Pease. 1,736,128; Nov. 19.
Blinder, Loose-leaf. C. G. Van Buren. 1,736,558; Nov. 19.
Blinder, Record. E. W. Jackson. 1,736,711; Nov. 19.
Blade cutter, Inserted. F. P. Miller. 1,736,273; Nov. 19.
Block: See—
Building block. Toy building block.
Board: See—
Drafting board. Sounding board.
Golf-game board. Wall board.
Metal running board.
Body and producing same, Welded and calked. M. Lachman. 1,736,539; Nov. 19.
Boiler: See—
Wash boiler.
Boiler and the like. T. R. Wollaston. 1,735,945; Nov. 19.
Boiler construction, Body. R. G. Anderson. 1,735,887; Nov. 19.
Boiler uptake. T. B. Stillman. 1,735,884; Nov. 19.
Boilers, Manufacturing high-pressure. S. Löffler. 1,736,610; Nov. 19.
Bomb, Vault gas. A. J. Macy. 1,736,206; Nov. 19.
Book, Manifolded. E. K. Bottle. 1,735,848; Nov. 19.
Bottle. L. Peszynska. Des. 79,935; Nov. 19.
Bottle-cap remover. W. Bucholtz. 1,736,519; Nov. 19.
Bottle-filling device. F. S. Hyatt. 1,736,598; Nov. 19.
Bottle or similar article. G. F. Gallagher. Des. 79,924-5; Nov. 19.
Bowling pin. H. J. Bluhm. 1,736,425; Nov. 19.
Box: See—
Grounding box. Paper box.
Journal box. Stuffing box.
Box construction. J. R. Myers. 1,736,720; Nov. 19.
Brace for furniture, Corner. W. O. Fought, Jr. 1,736,195; Nov. 19.
Bracket, Mesh. F. W. Nittel. 1,736,166; Nov. 19.
Bracket: See—
Supporting bracket.
Brake-controlling mechanism. E. J. Madden. 1,736,046; Nov. 19.
Brake drums, etc., Device for refacing. J. N. Lint and R. M. Cook. 1,736,085; Nov. 19.
Brake for motor-driven vehicles. H. E. Houseman. 1,736,082; Nov. 19.
Brake-release mechanism for railway cars. J. O. Nelkirk and D. Hindahl. 1,736,048; Nov. 19.
Breaking apparatus, Joint. J. D. Nixon. 1,736,009; Nov. 19.
Brick-joint raker. W. A. Goff. 1,736,077; Nov. 19.
Brooder. L. T. Robinson. 1,736,625; Nov. 19.
Brush-making machine. E. R. Lindstrom. 1,736,162; Nov. 19.
Bucket for coffee urns, Leacher. H. D. Kelly. 1,736,265; Nov. 19.
Buckle. W. L. Myers. Des. 79,933; Nov. 19.
Buckle. T. H. Wighman. Des. 79,939; Nov. 19.
Building block. C. C. Heinemann. 1,736,593; Nov. 19.
Building, Reinforced-concrete and like. A. Godenir. 1,736,494; Nov. 19.
Building structure. F. M. Venzle. 1,735,886; Nov. 19.
Bumper clamp. H. S. Jandus. 1,735,901; Nov. 19.
Burglar lock, Automatic safe. A. J. Macy. 1,736,205; Nov. 19.
Burner: See—
Fuel burner. Gas burner.
Gas and oil burner. Oil burner.
Burner and control therefor. Oil. G. D. Sundstrand. 1,736,420; Nov. 19.
Burning fuel in regenerative furnaces. M. C. Steese. 1,736,675; Nov. 19.
Bushing remover and replacer. W. S. Goeller. 1,736,529; Nov. 19.

ALPHABETICAL LIST OF INVENTIONS.

xxxiii

Cabinet and stand, Combined utility. F. D. Reynolds. 1,735,879; Nov. 19.
Cabinet structure, Wall. G. T. Gourley. 1,736,399; Nov. 19.
Cabinet, Tissue. C. J. Nardon. 1,735,931; Nov. 19.
Cabinet, Towel. G. A. Steiner and J. Evans. 1,736,140; Nov. 19.
Cabinet, Visible-card-file. L. Lombardini. 1,736,655; Nov. 19.
Cable connector. G. C. Thomas, Jr. 1,736,020; Nov. 19.
Camera attachment. D. E. Robertson. 1,736,220; Nov. 19.
Cameras, Removable objective mount for photographic. C. C. Fuerst. 1,736,436; Nov. 19.
Can-seaming machine, Combination trap and circuit-closer for. M. Rivera. 1,736,062; Nov. 19.
Can tops, Forming. M. J. Welling. 1,736,422; Nov. 19.
Canning apparatus. O. T. Douglass. 1,736,257; Nov. 19.
Car construction, Railway. W. C. Sleeman. 1,736,292; Nov. 19.
Car, Gas-electric. J. A. Brooks. 1,736,695; Nov. 19.
Carbon dioxide, Producing reduction products of. A. O. Jaeger. 1,735,925; Nov. 19.
Carbon, Preparing absorptive. A. B. Ray. 1,736,051; Nov. 19.
Carbon separation and control, Construction facilitating multiple. E. K. Bottle. 1,736,427; Nov. 19.
Carburetor, Multiple. S. A. Wilson. 1,736,239; Nov. 19.
Carton. G. H. Bent. 1,735,915; Nov. 19.
Carton, Cushioned. J. E. Walsh. 1,736,756; Nov. 19.
Carton, Cushioned egg. J. E. Walsh. 1,736,755; Nov. 19.
Cartridge for use in medicine-applying means. E. C. Haas. 1,736,078; Nov. 19.
Case: See—
Fly and tackle case. Vanity case.
Sewing-machine case.
Cash register. S. Brand. 1,736,007; Nov. 19.
Cash register. W. C. Brown. 1,736,008; Nov. 19.
Casing for an ice-cream freezer. E. C. Styberg. Des. 79,949; Nov. 19.
Caster, Ball-bearing. F. Beemer. 1,736,110; Nov. 19.
Casting machine, Continuous. J. N. Davis. 1,736,308; Nov. 19.
Casting of hollow bodies of metal, Centrifugal. J. C. Bell. 1,736,424; Nov. 19.
Catalytic reactions, Carrying on. F. A. Canon and C. E. Andrews. 1,735,951; Nov. 19.
Cathode-ray oscillograph. A. Matthias. 1,736,456; Nov. 19.
Cellophane bag. M. Weiss. 1,736,181; Nov. 19.
Centering device for shoe soles. J. A. Parker. 1,736,216; Nov. 19.
Centrifugal machine, Continuous. T. Langenberg. 1,736,349; Nov. 19.
Centrifugal machine for casting metal pipes and the like. J. E. Hurst and E. B. Ball. 1,735,969; Nov. 19.
Chair: See—
Foldable chair.
Chairs for cello players. J. Franzosa. 1,735,921; Nov. 19.
Channel-rolling mill. A. J. Townsend. 1,736,331; Nov. 19.
Chart, Orthopedic manikin. G. B. Emerson. 1,735,854; Nov. 19.
Chlorinating ores. T. A. Mitchell. 1,736,660; Nov. 19.
Chuck and starter for molding machine. F. R. Wallace. 1,736,513; Nov. 19.
Chopper: See—
Cotton chopper.
Cigarette box. J. Glaesner. 1,736,651; Nov. 19.
Circuit breaker, Automatic. J. Sachs. 1,736,371-2; Nov. 19.
Circuit maker and breaker, Electric. A. P. Holden and P. Morgan. 1,736,198; Nov. 19.
Circulating and distributing flotation pulp, Apparatus for. W. Fagergren. 1,736,073; Nov. 19.
Circulating device. F. M. Harm. 1,736,593; Nov. 19.
Clamp: See—
Air clamp. Hose clamp.
Automatic clamp. Molding-machine clamp.
Bumper clamp. Terminal clamp.
Conductor-suspension clamp.
Clamp. H. S. Jandus. 1,735,926; Nov. 19.
Clasp: See—
Hand-bag clasp.
Cleaning and buffing machine, Air-bag. J. E. Johnson. 1,735,903; Nov. 19.
Cleaning composition. S. T. Sherrick. 1,736,375; Nov. 19.
Cleaning device, Glove. J. J. Tierney. 1,736,679; Nov. 19.
Cleaning oil pipe lines. C. R. Hall. 1,736,440; Nov. 19.
Cleaning well-casing screens, Apparatus for. H. S. Smith. 1,736,017; Nov. 19.
Clinker fork. H. W. Grosnickle. 1,736,196; Nov. 19.
Clip: See—
Pipe clip. Tenter clip.
Clipping device. C. A. Huff. 1,736,041; Nov. 19.
Closet: See—
Sanitary closet.
Closing device for containers made of aluminum or other soft metals. S. H. Larsen. 1,736,350; Nov. 19.
Closure. J. S. Reid. 1,736,173; Nov. 19.
Closure for rotatable receptacles, Door. M. F. Beetham and R. H. Moore. Re17,490; Nov. 19.

Closure means for paper bags, Reinforcing. J. Duvall. 1,736,396; Nov. 19.
Closure-operating means. O. Vanderzee. 1,736,103; Nov. 19.
Clutch, Compound. H. A. Knox. 1,736,267; Nov. 19.
Clutch for mechanical pencils, Lead. W. G. Aulmann. 1,736,568; Nov. 19.
Coat. H. D. Fertel. Des. 79,921-3; Nov. 19.
Cock device, Angle. C. C. Farmer. 1,736,000; Nov. 19.
Coffee-making apparatus. E. Pistoni and L. Pistoni. 1,736,460; Nov. 19.
Coin-slot protector. A. M. Cramer. 1,736,522; Nov. 19.
Compact, Liquid-containing combination. B. G. Setvate. 1,736,724; Nov. 19.
Compartment jar. W. M. Johnson. 1,736,264; Nov. 19.
Composition of matter and destroying noxious creatures. O. Liebknecht. 1,736,448; Nov. 19.
Compressor-operating means. E. F. Peterson. 1,736,507; Nov. 19.
Concrete mixture water-supply means. F. H. Helne. 1,736,744; Nov. 19.
Concrete mold. C. M. Showers. 1,736,376; Nov. 19.
Concrete-road-finishing machine. E. H. Lichtenberg. 1,736,412-13; Nov. 19.
Condensation product containing sulphur. P. Virck. 1,736,063; Nov. 19.
Condensation product of the anthraquinone series and making same. G. Kränzlein and R. Sedlmayr. 1,736,084; Nov. 19.
Condenser and making the same, Electrical. H. F. Schecker. 1,736,764; Nov. 19.
Condenser, Variable. J. T. B. Blough and E. E. Chronister. 1,735,889; Nov. 19.
Conductor suspension clamp. B. A. Plimpton. 1,736,508; Nov. 19.
Conduit fitting. R. P. Dunmire. 1,736,149; Nov. 19.
Conduit fitting. R. P. Dunmire and D. E. Kellogg. 1,736,150; Nov. 19.
Conduits, Method and apparatus for repairing leaky. J. W. Van Denburg. 1,736,293; Nov. 19.
Cone: See—
Wind cone.
Connector, Resilient. C. R. Short. 1,735,982; Nov. 19.
Container. W. H. Klockhefer. 1,736,200; Nov. 19.
Container and display device, Combined shipping. H. C. Young. 1,736,726; Nov. 19.
Container for artificial fish lures. J. J. Hawes. 1,736,343; Nov. 19.
Container, Merchandise. L. J. Merske. 1,736,763; Nov. 19.
Container, Packing or shipping. W. S. Patterson. 1,735,876; Nov. 19.
Container, Refuse. G. S. Easton. 1,736,192; Nov. 19.
Container spacer. F. I. Towle. 1,735,885; Nov. 19.
Control apparatus for gas burners, Automatic. J. Dolphin. 1,736,649; Nov. 19.
Control apparatus, Pneumatic. A. Penn. 1,736,749; Nov. 19.
Control device, Door and brake. F. B. Thomas. 1,736,019; Nov. 19.
Control device for heat-transfer systems, Automatic. V. G. Eisel. 1,736,491; Nov. 19.
Control gas cut-off, Dual. H. J. Murray. 1,736,289; Nov. 19.
Control mechanism, Aircraft. A. J. Styles. 1,736,230; Nov. 19.
Conveyer and guide. A. Broadmeyer. 1,736,484; Nov. 19.
Conveyer, Apron. J. H. Davidson. 1,736,582; Nov. 19.
Conveying apparatus. G. R. Baker. 1,736,517; Nov. 19.
Conveying building materials, Method of and device for. G. Schloesser. 1,736,093; Nov. 19.
Cooking vessel. I. B. Bjornson. 1,736,479; Nov. 19.
Cooler: See—
Milk cooler.
Coper for forming the ends of strips and sticks. W. R. Sautter. 1,736,629; Nov. 19.
Cord machine. H. P. Ruf. 1,736,221; Nov. 19.
Core, Collapsible. B. De Mattia. 1,735,955; Nov. 19.
Core peeling device for foundries. R. Brune. 1,735,890; Nov. 19.
Core structure, Collapsible. P. de Mattia. 1,735,896; Nov. 19.
Corn pad. P. G. Anderson. 1,736,515; Nov. 19.
Corn-snapping rolls and the like. A. R. Keeler. 1,736,347; Nov. 19.
Cotton chopper. C. E. Morris. 1,736,127; Nov. 19.
Cotton, Improving. L. Lillienfeld. 1,736,712-13; Nov. 19.
Cottonseed handler. P. A. Fitzhugh. 1,735,920; Nov. 19.
Counter attachment, Bullet-proof. C. M. Smart. 1,736,672; Nov. 19.
Coupling: See—
Rod coupling.
Coupling. C. S. Shimmonds. 1,735,910; Nov. 19.
Coupling connection for vehicle springs, Resilient. R. L. Henry. 1,735,889; Nov. 19.
Coupling for electric conductors, Plug-in. K. Schnell. 1,735,981; Nov. 19.
Coupling system. J. De Vega. 1,736,036; Nov. 19.
Cover, Boxing-glove. J. L. Restifo. 1,736,547; Nov. 19.
Cover, Container. C. S. Humphrey. 1,736,286; Nov. 19.
Cover, Storage-battery. B. Ford. 1,736,115; Nov. 19.
Covering for jewelry boxes and the like. J. M. Shields. Des. 79,942-3; Nov. 19.
Crane, Portable. D. C. Stromeyer. 1,736,102; Nov. 19.
Crank-pin lubricator. F. P. Roesch. 1,736,174; Nov. 19.

Crystallization process. A. W. Allen. 1,735,987; Nov. 19.
 Cup: See—
 Egg-boiling cup. Oil cup.
 Curtain roller. G. Garcia. 1,736,527; Nov. 19.
 Cutter: See—
 Blade cutter.
 Cutting machine. J. M. Townsend. 1,736,143; Nov. 19.
 Cycles, Changeable-speed transmission-gear attachment for. W. A. Tolliver. 1,736,680; Nov. 19.
 Cylinder lubricator, Engine. A. S. Hawks. 1,736,312; Nov. 19.
 Cylinders, Manufacture of glass. C. H. Harding. 1,736,005; Nov. 19.
 Dental articulator. H. C. Hagman. 1,736,006; Nov. 19.
 Deoxidizer. C. J. Rodman and A. H. Maude. 1,736,464; Nov. 19.
 Derrick. A. Smith. 1,736,419; Nov. 19.
 Desk and chair, Combination school. P. Schlefer and W. Getty. 1,736,135; Nov. 19.
 Die for imprinting plastic masses. M. Collis. 1,736,579; Nov. 19.
 Die-punching apparatus. H. W. Nordendale. 1,736,049; Nov. 19.
 Digger: See—
 Potato digger.
 Dish. O. Bergner. Des. 79,917; Nov. 19.
 Dispenser. B. Ansehl. 1,736,146; Nov. 19.
 Dispenser. J. B. Olson. 1,736,214; Nov. 19.
 Dispenser, Refrigerated bottle. A. E. Smith. 1,736,057; Nov. 19.
 Dispensing apparatus for soap powder and the like. L. H. Johansen. 1,735,902; Nov. 19.
 Dispensing device with safety lock. J. B. Cravey and P. R. Pierson. 1,736,489; Nov. 19.
 Display-case and panel, Combination merchandise. B. L. Mellinger. Des. 79,931; Nov. 19.
 Display device. C. W. Arnold. 1,736,567; Nov. 19.
 Display device. M. A. Konikoff and H. R. Konikoff. 1,736,121; Nov. 19.
 Display device. J. B. Smith. 1,736,225; Nov. 19.
 Display device, Advertising. I. W. Smith. 1,735,883; Nov. 19.
 Display rack. J. H. Burdett. Des. 79,918; Nov. 19.
 Door attachment, Furnace. F. B. Cowdrick. 1,736,521; Nov. 19.
 Doorcheck. J. B. Kennerson. 1,736,602; Nov. 19.
 Doorcheck. C. Rosenthal, H. McL. Armistead, and J. W. Gulberson. 1,736,175; Nov. 19.
 Door for hangars and other structures. A. Rush. 1,736,133; Nov. 19.
 Door lock, Electrical. C. Hafner. 1,736,761; Nov. 19.
 Door-operating mechanism, Swing. J. A. Brubaker. 1,736,390; Nov. 19.
 Doorstop. R. M. Pickard. Des. 79,937-8; Nov. 19.
 Draft fan, Forced. F. E. Grunwaldt. 1,736,311; Nov. 19.
 Drafting board. F. Gehler. 1,736,342; Nov. 19.
 Drier: See—
 Rack and clothes drier.
 Drier. M. Cantella. 1,736,305; Nov. 19.
 Drive for motor vehicles. J. W. Christie. 1,736,391; Nov. 19.
 Drive ring. E. St. John. 1,735,939; Nov. 19.
 Driving and controlling mechanism. F. M. Furber. 1,735,898; Nov. 19.
 Driving device, Synchronous. S. A. Murdock. 1,736,323; Nov. 19.
 Driving mechanism, Unidirectional. G. Walker. 1,736,064; Nov. 19.
 Dropper: See—
 Eye dropper.
 Drum construction. J. B. Triplett. 1,736,144; Nov. 19.
 Drying apparatus. O. J. Kuenhold. 1,736,201; Nov. 19.
 Drying fields, Apparatus for. C. A. Stenvig. 1,736,227; Nov. 19.
 Dumping apparatus, Car. R. W. Capper. 1,736,520; Nov. 19.
 Dye and making same, Anthracene. W. R. Waldron. 1,735,941; Nov. 19.
 Dye and preparing same, Azo. E. F. Hitch and H. Jordan. 1,735,924; Nov. 19.
 Dyeing of materials made of or containing cellulose derivatives. H. Dreyfus. 1,735,960-1; Nov. 19.
 Dyeing of materials made of or containing cellulose derivatives. H. Dreyfus. 1,735,963; Nov. 19.
 Dyeings on the fiber, Producing fast. G. Kirchsien and J. Guertler. 1,736,083; Nov. 19.
 Dyestuffs, Manufacture of sulfur. H. Plauson. 1,736,014-15; Nov. 19.
 Dyestuffs of the isodibenzanthrone series, Producing vat. E. Holzapfel and E. and O. Braunsdorf. 1,736,051; Nov. 19.
 Edge-finishing machine. F. Ricks and A. E. Richards. 1,735,935; Nov. 19.
 Egg beater. T. J. Madigan. 1,736,542; Nov. 19.
 Egg-boiling cup. H. S. La Duke. 1,736,122; Nov. 19.
 Electric contact in rail joints. C. Pascal. 1,736,217; Nov. 19.
 Electric furnace. J. J. Frank. 1,736,587; Nov. 19.
 Electric machines, Regulation of dynamo. C. A. Nickle. 1,736,818; Nov. 19.
 Electric motor and generator. T. Schou. 1,736,551; Nov. 19.
 Electric panel or distribution board. F. O. Winklehaus. 1,736,028; Nov. 19.
 Electric switch. F. W. Gay. 1,736,528; Nov. 19.
 Electric switch, Inclosed. J. Sachs. 1,736,370; Nov. 19.

Electrical conductors, Making insulated. T. B. Huestla. 1,736,444; Nov. 19.
 Electrical connector, Separable. A. L. Lawrence. 1,736,269; Nov. 19.
 Electrical heating body and manufacturing the same. H. Lohmann. 1,736,745; Nov. 19.
 Electrical switch. L. A. M. Phelan. 1,736,129; Nov. 19.
 Electrodes, Manufacture of. M. O. Sem and C. W. Soderberg. 1,735,936; Nov. 19.
 Electropneumatic interlocking. J. E. McCauley. 1,736,353; Nov. 19.
 Elevating lines, Device for. J. T. Hughes. 1,736,599; Nov. 19.
 Elevator: See—
 Tray elevator.
 Elevator. T. L. Coleman. 1,736,187; Nov. 19.
 Elevator. F. G. Diago. 1,736,584; Nov. 19.
 Elevator-control system. E. M. Bouton. 1,736,480; Nov. 19.
 Engine: See—
 Internal-combustion engine.
 Engine-starting apparatus. E. V. Rippingillie. 1,736,132; Nov. 19.
 Engines, Appliance for internal-combustion. F. Münz. 1,736,662; Nov. 19.
 Engines, Driving mechanism for internal-combustion. J. Szydlowski. 1,736,639; Nov. 19.
 Envelope machine. H. S. Labombarde. 1,736,407; Nov. 19.
 Evaporation. P. B. Sadtler. 1,735,980; Nov. 19.
 Evaporator. P. B. Sadtler. 1,735,979; Nov. 19.
 Excavating machine. R. B. Muffett. 1,736,661; Nov. 19.
 Extension table, End. R. W. Irwin and N. Bekins. 1,736,533; Nov. 19.
 Extractor: See—
 Battery-cell extractor.
 Eye dropper. R. W. Breeding. 1,736,731; Nov. 19.
 Fabric: See—
 Abrasive fabric.
 Face plate or similar article. E. B. Grier. Des. 79,926; Nov. 19.
 Fastener, Belt. R. W. Skinner. 1,736,377; Nov. 19.
 Fastening for threadless pipes. E. G. K. Anderson. 1,736,145; Nov. 19.
 Feed-control apparatus for well-drilling mechanisms, Automatic. J. Bricken. 1,736,518; Nov. 19.
 Feeding and metering pulverulent material, Apparatus for. E. G. Bailey. 1,736,243; Nov. 19.
 File, Bill. J. W. Wright. 1,736,384; Nov. 19.
 File, Desk. S. Binka. 1,736,574; Nov. 19.
 Filling bunch builder. H. H. Holcombe. 1,736,314; Nov. 19.
 Filling-vent structure for storage batteries. B. Ford. 1,736,116; Nov. 19.
 Film-handling apparatus. H. G. Pointing and G. W. Ford. 1,736,730; Nov. 19.
 Film material, Multicolor cinematograph. J. E. Thornton. 1,736,556; Nov. 19.
 Film, Multicolor cinematograph. J. E. Thornton. 1,736,555; Nov. 19.
 Film strips, Process and apparatus for the production of relief images on cinematograph. J. E. Thornton. 1,736,557; Nov. 19.
 Fire alarm. H. T. Mitchell. 1,735,907; Nov. 19.
 Fire extinguisher. V. G. W. Gilbert. 1,736,153; Nov. 19.
 Firework composition, Detonating. W. F. Gehrig. 1,736,743; Nov. 19.
 Fixture, Furniture. A. T. Kortz. 1,736,406; Nov. 19.
 Fixture, Rotary built-in. G. A. Johnston. 1,736,007; Nov. 19.
 Flashing. G. T. Whitaker. 1,736,237; Nov. 19.
 Flask for multiple molding. J. T. Ramsden. 1,736,364; Nov. 19.
 Floor construction, Vehicle. D. W. Pye. 1,736,548; Nov. 19.
 Floor sander. R. A. Ponselle. 1,736,546; Nov. 19.
 Fluid seal for intermittently-registering conduits. G. E. A. Hallett. 1,736,261; Nov. 19.
 Fly and tackle case, Fisherman's. A. E. Borel. 1,736,337; Nov. 19.
 Foldable chair. J. J. Schmitt. 1,736,631; Nov. 19.
 Food cutter. T. C. Williams. 1,736,238; Nov. 19.
 Foot attachment. O. L. Letourneau. 1,736,609; Nov. 19.
 Fork: See—
 Clinker fork.
 Form-collating means. F. C. Gibson. 1,736,260; Nov. 19.
 Frame: See—
 Side frame.
 Spinning and twisting frame.
 Frame construction, Window. S. Carmin. 1,735,952; Nov. 19.
 Frame for railway rolling stock, Cast. N. Leonard. 1,735,971; Nov. 19.
 Fruit picker. W. Kreuzer. 1,736,348; Nov. 19.
 Fruit-treating apparatus. E. M. Brogren. 1,736,759; Nov. 19.
 Fuel burner, Liquid and gaseous. C. J. Sherman. 1,735,882; Nov. 19.
 Fuel in internal-combustion engines, Injection of liquid. L. K. Braren. 1,736,647; Nov. 19.
 Fuel-supplying system. L. P. Barlow. 1,736,038; Nov. 19.
 Furnace: See—
 Electric furnace.
 Heating furnace.
 Oil-burning furnace.
 Furnace construction, Open-hearth. A. L. Stevens. 1,736,023; Nov. 19.

Furnace regulation. A. R. Smith. 1,736,752-3; Nov. 19.
 Furniture, Article of. R. B. Burton. 1,735,851; Nov. 19.
 Furniture construction. F. Smith. 1,736,511; Nov. 19.
 Game. M. R. Kennedy. 1,736,803; Nov. 19.
 Game device. C. R. Kindt and P. H. Enniss. 1,736,447; Nov. 19.
 Game, Educational. I. and M. Shulman. 1,736,552; Nov. 19.
 Garment. B. J. Hart. 1,736,594; Nov. 19.
 Garment, Body. A. J. Slate. 1,736,224; Nov. 19.
 Garment dress. J. O. Von Stetten and O. U. Hofmann. 1,736,296; Nov. 19.
 Gas burner, Sectional. J. M. Maxwell. 1,736,207; Nov. 19.
 Gas fire. K. Aird. 1,736,241; Nov. 19.
 Gas-generating apparatus. E. L. Fischer. 1,736,566; Nov. 19.
 Gas generator, Acetylene. E. H. Smith. 1,736,073; Nov. 19.
 Gases, Process and apparatus for controllably feeding. J. M. Rowland. 1,736,509; Nov. 19.
 Gate: See—
 Head gate.
 Gate control, Feed. O. F. Applin. 1,736,691; Nov. 19.
 Gate for dumping trucks, Dumping. W. A. Miller. 1,736,320; Nov. 19.
 Gauge, Railroad. C. D. Baldwin. 1,736,031; Nov. 19.
 Gauge for applying hinges. E. Flagg. 1,736,709; Nov. 19.
 Gear-changing mechanism. E. J. Rodler. 1,736,277; Nov. 19.
 Gear for airplanes, Landing. E. Daland. 1,735,852; Nov. 19.
 Gear, rim and making the same, Metal. C. F. Ball. 1,736,758; Nov. 19.
 Gear-shift mechanism. B. F. Schmidt. 1,736,330; Nov. 19.
 Gear-shifting device, Lockable. H. J. Taylor. 1,736,059; Nov. 19.
 Gear-shifting mechanism for motor vehicles. W. C. Melchor. 1,736,320; Nov. 19.
 Generator: See—
 Steam generator.
 Glass mold. A. J. Throm. 1,736,637; Nov. 19.
 Glassware, Apparatus for annealing. V. Mulholland. 1,736,322; Nov. 19.
 Glaziers' points, Device for setting. J. E. Domagall. 1,736,190; Nov. 19.
 Golf game. H. B. Lasting. 1,736,316; Nov. 19.
 Golf game board. T. H. Decker. 1,736,523; Nov. 19.
 Golf tee. U. C. Deke. 1,736,583; Nov. 19.
 Grappling fork. E. W. Coons. 1,735,994; Nov. 19.
 Grease gun. W. D. Bell. 1,736,644-5; Nov. 19.
 Grease, Manufacturing lubricating. W. V. Atkinson. 1,736,302; Nov. 19.
 Grinder, Piston-ring rough. C. E. Johnson. 1,736,159; Nov. 19.
 Grinding machine. A. H. Dierker. 1,736,394; Nov. 19.
 Grinding machine. F. M. Kern. 1,735,867; Nov. 19.
 Grinding machine. C. H. Norton. 1,736,167; Nov. 19.
 Grinding machinery, Meat. O. C. Schmidt. 1,736,550; Nov. 19.
 Grinding wheel. W. L. Bryant. 1,735,891; Nov. 19.
 Grinding wheel and assembling the same, Segmental. T. Larsson and H. W. Beth. 1,736,161; Nov. 19.
 Grounding box. J. J. Shickuna. 1,736,097; Nov. 19.
 Guard for foot presses. G. W. Lane. 1,736,708; Nov. 19.
 Guard for protecting couplings of well tubings. W. P. Sutton. 1,736,178; Nov. 19.
 Guide suspension for drawers and other movable elements. G. L. Anderson and R. F. Bullen. 1,736,108; Nov. 19.
 Gyroscope apparatus. J. G. Gray. 1,736,039; Nov. 19.
 Hair device. R. B. Oppenheimer. 1,736,215; Nov. 19.
 Hair-net package. M. A. Heyman. 1,736,313; Nov. 19.
 Hair waver. J. A. Barraket. 1,735,989; Nov. 19.
 Hand-bag clasp. I. Schmidt. 1,736,095; Nov. 19.
 Hand pad. I. W. Millard. 1,736,209; Nov. 19.
 Handle. J. W. Waterer. 1,736,640; Nov. 19.
 Handle and tool therefor, Rotary tool. J. P. Salmon. 1,736,549; Nov. 19.
 Handle assembly. F. M. Edgar and T. P. Archer. 1,735,897; Nov. 19.
 Handling heavy objects, Apparatus for. L. S. Rosener. 1,736,016; Nov. 19.
 Hanger: See—
 Radiator hanger.
 Hauger. A. L. Madsen, Jr. 1,736,087; Nov. 19.
 Hardware, Forming. G. Graff. 1,736,495; Nov. 19.
 Harvester, Cotton. J. S. Thurman. 1,736,233; Nov. 19.
 Harvesters, Attachment for. E. Brasch. 1,735,950; Nov. 19.
 Hat-finishing machine. L. Platt. 1,736,361; Nov. 19.
 Head gate. I. S. Sanders. 1,736,628; Nov. 19.
 Headlight-controlling device. B. Castiglia. 1,736,577; Nov. 19.
 Headlight, Dirigible. T. F. Taylor. 1,736,232; Nov. 19.
 Hearth furnace, Roller. R. M. Hortvet. 1,735,968; Nov. 19.
 Heater: See—
 Oil-well heater.
 Tank heater.
 Heating furnace, Bar. F. W. Brooke. 1,736,248; Nov. 19.
 Heating furnace, Nonoxidizing. G. Keller. 1,735,866; Nov. 19.
 Heating system, Automatic water. J. Kirkeby. 1,736,266; Nov. 19.

Hides, Treatment of. O. Rohm. 1,735,977; Nov. 19.
 Hitch, Trailer. D. I. Fogger. 1,736,433; Nov. 19.
 Holder, Article. S. A. Gregory. 1,736,591; Nov. 19.
 Holder for typewriters, Paper. L. Denzer. 1,736,112; Nov. 19.
 Holder, Loose-leaf. B. E. Lawrence. 1,736,409; Nov. 19.
 Holder, Mop and brush. J. J. Dobbi. 1,735,918; Nov. 19.
 Holder, Nursing-bottle. J. Jeep. 1,736,346; Nov. 19.
 Holder, Steam-gauge. A. Powell and R. White. 1,736,689; Nov. 19.
 Holder, Tool. J. S. Lipp. 1,736,449; Nov. 19.
 Holder, Tool. F. P. Miller. 1,736,210; Nov. 19.
 Holding device, Bedcover. B. A. Moeller. 1,736,212; Nov. 19.
 Hone or grinder. V. J. Emery. 1,736,114; Nov. 19.
 Hook: See—
 Trace-chain hook.
 Hook bars, Method of and apparatus for forming. J. J. Marshall. 1,736,715; Nov. 19.
 Horn, Tuned radial. M. R. Hutchison. 1,735,861; Nov. 19.
 Horsepower, Portable. P. F. Boyd. 1,736,389; Nov. 19.
 Hose. F. B. Williamson. 1,736,106; Nov. 19.
 Hose clamp. C. P. Nelson. 1,735,932; Nov. 19.
 Hydraulic pot press. P. Hänel. 1,736,262; Nov. 19.
 Hydrocarbons, Refining. F. A. Appar. 1,735,988; Nov. 19.
 Hydrocarbons, Refining. T. D. Tift and A. C. Vobach. 1,736,022; Nov. 19.
 Hydrocarbons, Refining. A. C. Vobach. 1,736,234; Nov. 19.
 Hydrogen, Producing. R. Williams. 1,736,085; Nov. 19.
 Ice-cutting device. S. E. Kurtz. 1,736,538; Nov. 19.
 Igniter, Electric incandescent. K. Schaffer, rekte Glössl. 1,736,398; Nov. 19.
 Ignition device for fuel-supply devices. S. G. Miller. 1,736,126; Nov. 19.
 Ignition-testing device. W. K. Hack. 1,736,004; Nov. 19.
 Illuminating means for photographic cabinets. J. Parcell. 1,736,012; Nov. 19.
 Impregnating felt or other fabrics. K. H. Schutte. 1,736,633; Nov. 19.
 Index for filing appliances. W. E. Dunning. 1,736,395; Nov. 19.
 Index leaf. J. L. McMillan. 1,736,165; Nov. 19.
 Indicating apparent energy consumption, Device for. R. Pudelko. 1,736,090; Nov. 19.
 Indicator: See—
 Signaling indicator.
 Inspection indicator. Signaling indicator.
 Inflation device for pneumatic tires. J. O. Becker. 1,736,258; Nov. 19.
 Insole-positioning means. A. F. Pym. 1,736,276; Nov. 19.
 Inspection indicator. J. D. Elsom. 1,736,702; Nov. 19.
 Instrument-panel design. D. E. Keeney. 1,735,904; Nov. 19.
 Insulator. W. D. Kyle. 1,736,043; Nov. 19.
 Insulator. J. E. Mateer. 1,736,455; Nov. 19.
 Insulator, Screw. W. D. Kyle. 1,736,044; Nov. 19.
 Intake for internal-combustion engines, Steam-heated fuel. J. H. Gould. 1,736,003; Nov. 19.
 Internal-combustion engine. R. Jardine. 1,735,865; Nov. 19.
 Internal-combustion engine. C. H. Knudsen. 1,736,287; Nov. 19.
 Internal-combustion engine, Sleeve-valve. H. R. Ricardo. 1,735,975; Nov. 19.
 Iron. E. L. Davis. 1,736,698; Nov. 19.
 Iron and steel, Molybdenum alloy. A. Kisko. 1,736,120; Nov. 19.
 Iron and steel, Rustproofing articles of. W. H. Allen. 1,735,842; Nov. 19.
 Iron stand. A. M. Fuller. 1,736,650; Nov. 19.
 Ironing-board attachment. F. A. Morin. 1,736,354; Nov. 19.
 Jack: See—
 Load-lifting jack.
 Jacket, Linoleum. W. H. Waggoner. 1,736,383; Nov. 19.
 Jar: See—
 Compartment jar.
 Jar or similar container. W. D. Teague. Des. 79,944; Nov. 19.
 Jigging mechanism. M. J. Lide. 1,736,008; Nov. 19.
 Joiner. W. G. Zimmerman. 1,736,641; Nov. 19.
 Joint: See—
 Rail joint.
 Journal box, Automatic lubricating. G. Grandjean. 1,736,705; Nov. 19.
 Jug, Toby. J. Hood. Des. 79,928-9; Nov. 19.
 Key-operated lock. R. H. Klingel. 1,735,868; Nov. 19.
 Key unit. H. E. Von Kersburg. 1,736,235; Nov. 19.
 Knitting machine, Automatic circular. R. Fisher. 1,736,742; Nov. 19.
 Knitting machines, Tension device for. W. T. Barratt. 1,736,387; Nov. 19.
 Label. F. H. Coombs. 1,735,894; Nov. 19.
 Lace, medallion, Embroidered. H. Schwarber. Des. 79,941; Nov. 19.
 Ladder. P. J. Bode. 1,735,992; Nov. 19.
 Lamp. G. Graff. 1,736,496; Nov. 19.
 Lamp, Bridge. J. B. Salterini. Des. 79,947-8; Nov. 19.
 Lamp, Floor. J. B. Salterini. Des. 79,945-6; Nov. 19.
 Lamp-hanger structure. A. J. Thompson. 1,736,512; Nov. 19.
 Lamp, Metal vapor. G. P. Beaudry. 1,736,642; Nov. 19.

Lamps, Apparatus for making incandescent. W. R. Burrows. 1,736,766; Nov. 19.
 Lamps, Making incandescent. W. R. Burrows. 1,736,767; Nov. 19.
 Latch-operating means, Door-. S. F. Wread. 1,735,914; Nov. 19.
 Lathe, Last. W. W. Slack. 1,736,278; Nov. 19.
 Lathes, Steady rest for automatic. D. Turcott. 1,736,421; Nov. 19.
 Level, Carpenter's. R. B. Maddox. 1,736,502; Nov. 19.
 Lever-operating attachment for drawn implements. E. I. Hiatt. 1,736,197; Nov. 19.
 Light for an automotive vehicle, Dome. W. Schnell. Des. 79,940; Nov. 19.
 Light for automobiles, Parking and guide. W. H. Miller. 1,736,616; Nov. 19.
 Lighter, Cigar. H. E. Mead. 1,736,544; Nov. 19.
 Lighter, Pocket. C. H. Patten. 1,736,358; Nov. 19.
 Lighting control apparatus, Theater-. J. C. Masek. 1,736,454; Nov. 19.
 Lighting fixture, L. C. Doane. 1,735,997; Nov. 19.
 Lighting systems, Controlling device for electric. P. L. Williamson. 1,736,474; Nov. 19.
 Lighting units, Head for. R. W. Erskine. Des. 79,920; Nov. 19.
 Liquid-feed system. C. L. Stokes. 1,736,100; Nov. 19.
 Load-lifting jack. N. G. Larson. 1,736,202; Nov. 19.
 Locating leaks in well piping, Method and apparatus. P. H. Granger. 1,736,117; Nov. 19.
 Lock: See—
 Burglar lock. Rail-joint lock.
 Door lock. Safety lock.
 Key-operated lock. Vehicle lock.
 Permutation lock.
 Lock. G. W. Wilder. 1,736,685; Nov. 19.
 Loom. F. E. Ashton. 1,736,029; Nov. 19.
 Loom in order to obtain brocades therefrom, Power. C. Pizzorno. 1,736,360; Nov. 19.
 Looms, Filling-cutting device for shifting-shuttle-box. F. Cote. 1,736,488; Nov. 19.
 Looms, Picker stick check for. A. N. Reeves. 1,736,327; Nov. 19.
 Loud-speaker. M. R. Hutchison. 1,735,859; Nov. 19.
 Lubricating device. J. H. Barger. 1,736,692; Nov. 19.
 Lubricating device. S. M. Jonsson. 1,736,160; Nov. 19.
 Lubricating system. C. Sutter, G. A. Pettit, and E. B. Norman. 1,736,058; Nov. 19.
 Lubricating system. A. J. West. 1,736,335; Nov. 19.
 Lubricator: See—
 Crank-pln lubricator. Cylinder lubricator.
 Lumber, Drying. M. L. Mueller. 1,736,213; Nov. 19.
 Macaroni mold. G. Lubrano. 1,736,611; Nov. 19.
 Machine for cleaning cotton. H. E. Tomlinson. 1,736,142; Nov. 19.
 Machine for cutting or shearing tubes. H. J. Davis. 1,736,700; Nov. 19.
 Machine for grinding meat and the like. A. C. Van Hooydonk. 1,736,333; Nov. 19.
 Machine for wrapping caramels and the like. A. G. Rose. 1,735,978; Nov. 19.
 Machine, Sorting. J. Last. 1,736,540; Nov. 19.
 Magneto. I. E. Hendrickson. 1,736,441; Nov. 19.
 Magnifying and illuminating device. C. T. Brady. 1,735,949; Nov. 19.
 Mandrel, Gripping. W. M. Rodger. 1,736,463; Nov. 19.
 Manifold device. A. A. Johnson. 1,736,535; Nov. 19.
 Mat for automobiles, Floor. C. C. Berg. 1,736,572; Nov. 19.
 Materials containing cellulose, Opening-up. H. Helmann, H. Seefried, I. Petersen, and A. Bayerl. 1,736,080; Nov. 19.
 Mattress for baby carriages and cribs. F. Elser. 1,736,341; Nov. 19.
 Measure, Tailor's precision. J. Krukowski. 1,736,537; Nov. 19.
 Measuring apparatus, Height. H. S. Benjamin. 1,736,185; Nov. 19.
 Measuring device. H. H. Crawford. 1,736,490; Nov. 19.
 Measuring the current densities of galvanic baths, Device for. W. A. F. Pfannhauser. 1,735,878; Nov. 19.
 Measuring weir discharge and rules therefor. I. M. Clausen and R. A. Pierce. 1,735,953; Nov. 19.
 Meat-tendering device. J. P. Spang. 1,736,137-8; Nov. 19.
 Mechanical movement. C. W. Kurie, Jr. 1,735,928; Nov. 19.
 Metal, Method and apparatus for making articles of galvano-plastic. G. Rosenqvist. 1,735,909; Nov. 19.
 Metal-pickling baths, Selectively controlling. J. H. Gravell. 1,736,118; Nov. 19.
 Metal running board. J. Boca. 1,735,948; Nov. 19.
 Metals from ores and metallurgical products, Extracting volatilizable. H. Pape. 1,736,665; Nov. 19.
 Microphone mounting. W. H. Martin and M. E. Strleby. 1,735,905; Nov. 19.
 Milk cooler. L. Rosenfeld. 1,736,626; Nov. 19.
 Milking-machine pulsator. E. C. Onkes. 1,736,010; Nov. 19.
 Mill: See—
 Channel-rolling mill. Tube-forming mill.
 Mirror. W. Peacock. 1,736,667; Nov. 19.
 Moisture tester. M. L. Mueller. 1,736,505; Nov. 19.
 Mold: See—
 Concrete mold. Macaroni mold.
 Glass mold. Tire mold.
 Mold and liner for linotype machines. E. W. Johnson. 1,736,536; Nov. 19.
 Moldboard, Adjustable revolving. C. Hill. 1,736,442; Nov. 19.
 Moldboard for road-grading machines. O. P. Mahoney and J. R. Key. 1,736,352; Nov. 19.
 Mold sides, Removing detachable. E. Burke. 1,736,249; Nov. 19.
 Molding machine. F. R. Wallace. 1,736,514; Nov. 19.
 Molding-machine clamp. J. T. Ramsden. 1,736,363; Nov. 19.
 Molding machines, Strike-off mechanism for. J. T. Ramsden. 1,736,365; Nov. 19.
 Mop, Fountain. E. Wertz. 1,736,236; Nov. 19.
 Motor-control system. E. M. Bouton. 1,736,481; Nov. 19.
 Motor-control system. E. P. Hill. 1,736,443; Nov. 19.
 Motor controller. P. B. Harwood. 1,736,401; Nov. 19.
 Mounting, Lens. J. B. Griffith. 1,736,119; Nov. 19.
 Mouthpiece, Hygienic. S. Storch. 1,736,228; Nov. 19.
 Name plates and other articles, Attaching. A. L. Newman. 1,736,722; Nov. 19.
 Necktie. L. Davidoff. 1,736,697; Nov. 19.
 Net, Hand fishing. A. S. Richardson. 1,736,624; Nov. 19.
 Newspaper rack. L. P. Hobbs. 1,735,900; Nov. 19.
 Nit-tapping machine. W. A. Crehan. 1,736,581; Nov. 19.
 Oil and gas burner, Combined. R. C. Hopkins. 1,736,345; Nov. 19.
 Oil burner, Automatic. G. D. Sundstrand. 1,735,911; Nov. 19.
 Oil-burning furnace. G. Niemkoff. 1,736,415; Nov. 19.
 Oil cup, Self-closing. A. E. A. Strömberg. 1,736,229; Nov. 19.
 Oil-well heater. J. A. Miller. 1,736,211; Nov. 19.
 Oiler, Journal. C. Servais and F. Kazmer. 1,736,374; Nov. 19.
 1,4-diamino-2-alkoxy-anthraquinone. P. Nawlasky. 1,736,088; Nov. 19.
 1-phenyl-benzanthrone compounds, Making. W. Trautner, B. Stein, and R. Berliner. 1,736,061; Nov. 19.
 Optical lever. L. B. Tuckerman. 1,736,682; Nov. 19.
 Ores, Beneficiating manganese. L. B. Miller and W. G. Rinehart. 1,736,615; Nov. 19.
 Oscillation absorber for leaf springs. P. Schuttler. 1,736,670; Nov. 19.
 Oven, Electric. R. H. MacInnes. 1,736,451; Nov. 19.
 Pad: See—
 Corn pad. Hand pad.
 Paints, Producing pigmentary base products for lead. A. V. Blom. 1,736,066; Nov. 19.
 Paper box. A. H. Dreux. 1,735,853; Nov. 19.
 Paper-feeding machine. F. L. Cross and H. Hallstream. 1,736,340; Nov. 19.
 Paper-making machine. J. D. Beatty. 1,736,570; Nov. 19.
 Paper-making machine. G. H. Harvey. 1,736,400; Nov. 19.
 Parking device for automobiles. P. Jensen. 1,736,498; Nov. 19.
 Pedal protector. A. Dilling. 1,736,309; Nov. 19.
 Pencil. F. C. Dell. 1,736,430; Nov. 19.
 Pencil. H. L. Fischer. 1,736,194; Nov. 19.
 Pendant switch. P. McShane. 1,736,746; Nov. 19.
 Permutation lock. R. K. Winning and J. R. Thorp. 1,736,183; Nov. 19.
 Phenyl methylene bis diethyl dithiocarbamate and making the same. S. M. Cadwell. 1,736,429; Nov. 19.
 Phosphate rock, Treating. G. Singleton and R. P. Thornton. 1,736,553; Nov. 19.
 Photographic apparatus. B. A. Proctor. 1,736,750; Nov. 19.
 Photography and sensitized material therefor, Color. J. E. Thornton. 1,736,554; Nov. 19.
 Picker: See—
 Fruit picker.
 Pickling process. J. C. Vignos. 1,736,332; Nov. 19.
 Picture receiving system, Cross screen. R. H. Ranger. 1,736,219; Nov. 19.
 Pile extractor and the like. J. N. Warrington. 1,736,104; Nov. 19.
 Plumeto roaster. A. I. Addison. 1,736,107; Nov. 19.
 Pin: See—
 Bowling pin.
 Pipe: See—
 Stovepipe.
 Pipe clip. E. Scharpenberg. 1,736,630; Nov. 19.
 Pipe connector. W. Goetzelman. 1,736,154; Nov. 19.
 Pipe system for hot-air heating. E. F. Rulley. 1,736,222; Nov. 19.
 Pipette. D. Coss and G. Chamber. 1,736,392; Nov. 19.
 Piston. J. Flammang and P. L. Bowser. 1,736,001; Nov. 19.
 Piston construction. R. C. Clark. 1,736,252; Nov. 19.
 Piston ring. H. S. Graves. 1,736,530; Nov. 19.
 Pit cover, Soaking. L. Ellman. 1,736,524; Nov. 19.
 Pitchometer. R. I. Bodenlos. 1,736,247; Nov. 19.
 Pitman structure. R. R. Bloss. 1,736,740; Nov. 19.
 Planter attachment, Cotton-. C. A. Steele. 1,736,380; Nov. 19.
 Planting mechanism, Reverse. R. H. Lawson. 1,735,970; Nov. 19.
 Plaster composition. F. M. Venzle. 1,736,294; Nov. 19.
 Platform for lift trucks, Portable. E. H. Polk. 1,736,170; Nov. 19.

Platform, Portable table. G. G. Raymond. 1,736,172; Nov. 19.
 Playground apparatus. R. W. Thornton. 1,736,678; Nov. 19.
 Plow, Road. W. A. Bonnel. 1,736,575; Nov. 19.
 Plug, Electrical. N. C. Greene. 1,735,856; Nov. 19.
 Pontoon for boats and the like, Collapsible. N. S. Harter. 1,736,157; Nov. 19.
 Port shield. J. Platt. 1,736,621; Nov. 19.
 Pot and kiln construction. W. Westbury and P. W. Collins. 1,736,026; Nov. 19.
 Potato digger. G. W. Bruce. 1,735,993; Nov. 19.
 Pouring molten metal, Apparatus for. J. R. Dnesen and L. E. Wemple. 1,736,188; Nov. 19.
 Power device, Electrically-operated. L. E. Beck. 1,736,643; Nov. 19.
 Power instrument and meter. M. G. Benjamin. 1,736,304; Nov. 19.
 Powder insufflators. F. Arrigo, Jr., and F. Sunserl. 1,736,147; Nov. 19.
 Power-transmission device. K. Shank. 1,736,291; Nov. 19.
 Press: See—
 Ball press. Hydraulic pot press.
 Garment press.
 Presses, Finger guard for. W. C. Fellows. 1,735,855; Nov. 19.
 Pressing machine, Seam-. W. C. Meyer. 1,736,272; Nov. 19.
 Pressure head for piston-ring grinders. C. E. Johnson. 1,736,199; Nov. 19.
 Printing apparatus. J. M. Cooper. 1,736,034; Nov. 19.
 Printing machine, Weighing and ticket-. G. F. Hochrien. 1,736,284; Nov. 19.
 Printing machines, Preventing damage to the doctor and printing cylinder of copper-plate. C. Dexhelmer. 1,736,431; Nov. 19.
 Propeller guard. G. C. Thrift. 1,735,912; Nov. 19.
 Protective system for electrical apparatus. C. Le G. Fortescue. 1,736,435; Nov. 19.
 Protector for radio sets. L. Ludwig. 1,736,204; Nov. 19.
 Pulley. H. A. Toulmin, Jr. 1,736,024; Nov. 19.
 Pulley, Speed-control. J. Chudner. 1,736,578; Nov. 19.
 Pulverizer. H. Waring. 1,735,985; Nov. 19.
 Pump. G. D. Collins. 1,735,893; Nov. 19.
 Pump available for viscous, Rotatable piston. L. Jacot-Descombes. 1,736,497; Nov. 19.
 Pump, Fuel. A. C. Attenu. 1,736,242; Nov. 19.
 Pump, Motor-driven oil-well. B. F. Schmidt. 1,736,094; Nov. 19.
 Pump or motor. H. Thoma and H. Kosel. 1,736,754; Nov. 19.
 Pump or motor, Rotary. J. D. E. Washington. 1,736,105; Nov. 19.
 Pump, Rotary. H. E. Parks. 1,736,666; Nov. 19.
 Pumping apparatus, Oil-. B. Olson. 1,736,620; Nov. 19.
 Pumping system. R. E. Frickey and W. R. Layne. 1,736,002; Nov. 19.
 Punching and cutting machine, Combination belt. E. Vollrath. 1,736,559; Nov. 19.
 Quick-set wrench. O. Becklin. 1,736,303; Nov. 19.
 Rack: See—
 Newspaper rack.
 Rack and clothes drier, Combined. C. C. Moore. 1,736,717; Nov. 19.
 Radial resonator, Push-pull-actuated. M. R. Hutchison. 1,735,862; Nov. 19.
 Radial resonator with bass-note propagator. M. R. Hutchison. 1,735,863; Nov. 19.
 Radiator. N. Walker. 1,735,942; Nov. 19.
 Radiator cap or the like for an automobile. W. Schnell. Des. 79,936; Nov. 19.
 Radiator hanger. E. L. Hessel. 1,736,596; Nov. 19.
 Radio receiver control mechanism. R. Martini. 1,735,972; Nov. 19.
 Radio signaling circuit. W. D. Loughlin. 1,736,268; Nov. 19.
 Radio wave trap. J. J. McDonald. 1,736,614; Nov. 19.
 Rail joint, Insulated. N. E. Salsich. 1,736,328; Nov. 19.
 Rail joint, Interlocking. J. M. Heasley. 1,736,652; Nov. 19.
 Rail-joint lock. S. Halapin. 1,735,967; Nov. 19.
 Railway signaling. C. W. Bell. 1,736,388; Nov. 19.
 Railway switching device. P. H. Crago and G. D. Rabun. 1,735,954; Nov. 19.
 Railway track. W. Whaley. 1,735,944; Nov. 19.
 Railways, tramways, or road transport, Rolling stock of. P. Algrain. 1,736,690; Nov. 19.
 Range. A. H. Moecker. Des. 79,932; Nov. 19.
 Range, Gas. S. A. Wilde. 1,736,473; Nov. 19.
 Ratchet-drive reduction. R. O. Helgeby. 1,735,923; Nov. 19.
 Razor. R. O. Barnes. 1,736,386; Nov. 19.
 Razor strop and casing. C. L. Skelley. 1,736,510; Nov. 19.
 Reaction product of a natural resin-phenolic resinous material and making same. A. Amann. 1,736,757; Nov. 19.
 Rear seat, Roadster. I. J. Reuter. 1,735,908; Nov. 19.
 Receptacle, change-giving machine, and the like, Coin. N. Strausser. 1,736,677; Nov. 19.
 Receptacle, Waterproof. A. von Frankenberg. 1,736,295; Nov. 19.
 Recording device. J. F. Ohmer. 1,736,416; Nov. 19.
 Reed structure and the like. S. Bolin. 1,735,847; Nov. 19.
 Reel. F. E. Koncans. 1,736,604; Nov. 19.
 Refrigerating apparatus. L. L. Torrey. 1,736,470; Nov. 19.
 Refrigerating machine. C. Steenstrup. 1,736,635; Nov. 19.
 Refrigerating plant. B. Clavette. 1,736,648; Nov. 19.
 Refrigerating system. R. W. Davenport. 1,735,995; Nov. 19.
 Refrigerating system. A. Jones. 1,736,706; Nov. 19.
 Refrigeration. D. R. Knight. 1,735,869; Nov. 19.
 Refrigeration. C. G. Munter. 1,736,288; Nov. 19.
 Refrigeration apparatus, Passing lubricants directly through liquid receivers in. L. V. Myers. 1,736,721; Nov. 19.
 Register: See—
 Autographic register. Cash register.
 Regulator and aligner, Strip-feed. E. K. Bottle. 1,735,849; Nov. 19.
 Regulator system. C. F. Wagner, R. D. Evans, and S. B. Griscom. 1,736,471; Nov. 19.
 Regulator system. E. R. Wolfert. 1,736,477; Nov. 19.
 Relay, Phase-sequence. C. Le G. Fortescue. 1,736,434; Nov. 19.
 Reproducing apparatus. E. I. Sponable. 1,736,139; Nov. 19.
 Reproducing device, Sound-. L. De Forest. 1,736,035; Nov. 19.
 Rest, Steady. E. R. Smith and R. A. Ashton. 1,736,378; Nov. 19.
 Ring: See—
 Drive ring. Piston ring.
 Roaster: See—
 Plumeto roaster.
 Rod coupling. A. M. Seeger. 1,736,373; Nov. 19.
 Rod grip. W. D. Shaffer. 1,735,937; Nov. 19.
 Roller: See—
 Curtain roller.
 Rolling screen. R. E. Pitcher. 1,736,668; Nov. 19.
 Roof, Car. E. G. Franck. 1,736,038; Nov. 19.
 Rubber latex compositions and articles formed thereby, Treating. E. Hopkinson and M. C. Teague. 1,736,404; Nov. 19.
 Rule for measuring weir discharge. I. M. Clausen and R. A. Pierce. 1,735,892; Nov. 19.
 Safety-control device. G. D. Sundstrand. 1,736,141; Nov. 19.
 Safety lock. G. Anetra. 1,736,843; Nov. 19.
 Salt baths, Composition of matter for and purifying fused. W. J. Merten and C. T. Gayley. 1,736,457; Nov. 19.
 Sanitary closet. E. Bast. 1,736,478; Nov. 19.
 Sanitary device for water-closet bowls. B. Sarrett. 1,736,467; Nov. 19.
 Saw. D. Belsinger. 1,736,571; Nov. 19.
 Saw. P. S. Legge. 1,736,607-8; Nov. 19.
 Saw, Circular. I. R. Walker. 1,736,560; Nov. 19.
 Saw standard, Portable. L. L. Belnap. 1,735,990; Nov. 19.
 Scale. N. A. Hallwood. 1,736,079; Nov. 19.
 Scale, Computing. R. L. Schuhmann. 1,736,136; Nov. 19.
 Scale construction. L. W., W. A., and G. H. Northfield. 1,735,973; Nov. 19.
 Screen: See—
 Rolling screen. Window screen.
 Vehicle screen.
 Screen construction, Sliding-. V. Berryman and G. C. Hoxie. 1,736,336; Nov. 19.
 Screen guides, Plaster channel installation for. H. Dixon. 1,736,432; Nov. 19.
 Sealing machine for boxes. E. L. Walker. 1,736,180; Nov. 19.
 Seam and producing the same, Hemmed. K. Maier. 1,736,453; Nov. 19.
 Searchlight, High and medium intensity. P. R. Bassett. 1,735,947; Nov. 19.
 Searchlight, Portable. J. S. McRea. 1,736,208; Nov. 19.
 Seat: See—
 Adjustable seat. Rear seat.
 Air-chamber seat.
 Seat for vehicle bodies, Adjustable. W. Marshall. 1,736,503; Nov. 19.
 Seater and packer. R. L. Davis. 1,736,254; Nov. 19.
 Separation of minerals and other substances. T. M. Davidson. 1,736,111; Nov. 19.
 Separator for granular material. G. F. Royer. 1,736,054; Nov. 19.
 Sewing attachment, Button-. J. R. Wilson. 1,736,475; Nov. 19.
 Sewing machine. J. R. Moffatt and R. S. Kelso. 1,736,458; Nov. 19.
 Sewing-machine case. D. H. Chason. 1,736,306; Nov. 19.
 Sewing machine, Puller-feed. J. P. Wels. 1,736,297; Nov. 19.
 Sewing machines, Combined top-feed and ruffer mechanism for cylinder. J. P. Wels. 1,736,298; Nov. 19.
 Sewing machines, Thread-controlling mechanism for. C. F. Rubel. 1,736,466; Nov. 19.
 Sewing powder puffs, Device for. L. L. Raynor. 1,736,461; Nov. 19.
 Sheet-feeding mechanism. A. Broadmeyer. 1,736,483; Nov. 19.
 Sheet retarding and plugging mechanism. A. Broadmeyer. 1,736,482; Nov. 19.
 Ship building. H. K. Kloess. 1,736,315; Nov. 19.

Shoe and making the same, Rubber-soled. F. Wray. 1,735,986; Nov. 19.
 Shoe and stocking, Combination. J. D. Peachey. 1,736,013; Nov. 19.
 Shoe last. C. Miller. 1,736,545; Nov. 19.
 Shoe sole. J. E. Grosjean. Des. 79,927; Nov. 19.
 Shoe sole. M. L. Paterson. Des. 79,934; Nov. 19.
 Shoe sole, Elastic. G. W. Cable. 1,736,576; Nov. 19.
 Shooting gallery, Ball. L. G. Baker. 1,736,244; Nov. 19.
 Shuttle. F. E. Ashton. 1,736,030; Nov. 19.
 Slide frame. G. S. Chiles. 1,736,251; Nov. 19.
 Sign, Changeable. C. E. Noville. 1,736,864; Nov. 19.
 Sign, Street. H. C. Gatchell. 1,736,437; Nov. 19.
 Signal. See—
 Traffic signal. Vehicle signal.
 Signal apparatus for motor vehicles. W. Townsend. 1,736,060; Nov. 19.
 Signal switch, Vehicular traffic. W. W. Bugh. 1,736,069; Nov. 19.
 Signaling device for vehicles, Direction. C. Campbell. 1,736,485; Nov. 19.
 Signaling indicator, Mixing-machine-control. J. F. Robb. 1,736,751; Nov. 19.
 Silencer. H. P. Maxim. 1,736,319; Nov. 19.
 Silk and the like, Manufacturing artificial. H. P. Bassett and T. F. Banigan. 1,736,280; Nov. 19.
 Silk, yarn, cotton, and other threads, Apparatus for softening. H. Mayer. 1,736,543; Nov. 19.
 Sky writing. R. D. Bailey and D. Bailey. 1,736,516; Nov. 19.
 Smoke and the like, Device for the production of. E. Kademacher. 1,736,091; Nov. 19.
 Snap switch. S. A. Meyers. Re17,493; Nov. 19.
 Snatch block. N. M. Erdahl. 1,736,193; Nov. 19.
 Snow remover. H. D. Curtis. Re17,498; Nov. 19.
 Snubber for motor-vehicle springs. J. T. Longwell. 1,736,410; Nov. 19.
 Socket, Indicating pull. H. Hubbell. 1,736,285; Nov. 19.
 Sodium sulphide and the product thereof, Purifying crude. R. Botson. 1,736,741; Nov. 19.
 Solder particularly for grey pig iron, cast steel, iron and the like, Hard. E. Lay and C. Mattick. 1,736,654; Nov. 19.
 Solliciting sheet. L. Galtier. 1,736,588; Nov. 19.
 Sound propagating device. M. R. Hutchison. 1,735,864; Nov. 19.
 Sound-regenerating device. W. D. Pack and J. M. S. King. 1,735,873; Nov. 19.
 Sounding board, Flexed. M. R. Hutchison. 1,735,860; Nov. 19.
 Spark plugs, Apparatus for replacing. A. L. F. Wattel. 1,736,561; Nov. 19.
 Speed-control system. E. F. W. Alexanderson. 1,736,689; Nov. 19.
 Spike, Railroad. O. A. Olson. 1,736,168; Nov. 19.
 Spinning and twisting frame. L. Lumby. 1,736,656; Nov. 19.
 Splice bar. C. D. Baldwin. 1,736,032; Nov. 19.
 Spoon or similar article. T. E. Cayer. Des. 79,919; Nov. 19.
 Spray gun. C. A. Norgren. 1,736,357; Nov. 19.
 Spray head. G. A. Mueller. 1,736,356; Nov. 19.
 Spreading granular material, Machine for. J. H. Meijer. 1,736,124; Nov. 19.
 Sprinkler head. H. W. Doughty. 1,736,255-6; Nov. 19.
 Stand. See—
 Iron stand.
 Staple, Wire-fence. H. Lake. 1,736,707; Nov. 19.
 Starch from sweet potatoes, Production of. O. Riemann. 1,735,976; Nov. 19.
 Starter for engines. M. B. Jackson. 1,736,600; Nov. 19.
 Starter for engines. M. B. Jackson. 1,736,765; Nov. 19.
 Stay, Miner's. J. Wüstenhöfer. 1,736,301; Nov. 19.
 Steam-generating installation. F. Lösel. 1,736,411; Nov. 19.
 Steam generator. M. Robinson. 1,736,462; Nov. 19.
 Steam generator. W. R. Wood. 1,736,423; Nov. 19.
 Steam-pressing appliance, Electric. C. A. Brewer. 1,736,148; Nov. 19.
 Stereoscopes, View changer for. E. P. Cressler. 1,736,071; Nov. 19.
 Stereotyping apparatus. J. A. Luther. 1,736,351; Nov. 19.
 Still, Oil. C. L. Parmelee. 1,736,325; Nov. 19.
 Stocking protector. M. M. Basar, Jr. 1,736,245; Nov. 19.
 Stoker. F. J. Widman. 1,735,913; Nov. 19.
 Stoker. W. J. Woodcock. 1,736,564; Nov. 19.
 Stoker, Automatic. W. J. Woodcock. 1,736,565; Nov. 19.
 Stomach tube. J. A. Wilkins. 1,736,182; Nov. 19.
 Stop for locating work in machine tools. E. Blau. 1,736,694; Nov. 19.
 Stopper. J. E. Sheaffer. 1,736,725; Nov. 19.
 Stove pipe. H. Embree. 1,736,492; Nov. 19.
 Stringed instruments, String-tensioning device for self-playing. C. P. Corwin. 1,736,580; Nov. 19.
 Strip-sheet manufacture. H. M. Naugle and A. J. Townsend. 1,736,324; Nov. 19.
 Structures, Producing openwork. R. A. Lewis and D. L. Eynon. 1,736,317; Nov. 19.
 Stuffing box. A. C. Brammer. 1,736,646; Nov. 19.
 Support, Adjustable wall-radiator. A. E. Davis. 1,736,307; Nov. 19.
 Support, Arch. W. M. Scholl. 1,736,418; Nov. 19.
 Support for artificial flowers. J. Friedman. 1,736,526; Nov. 19.
 Support for motor vehicles, Temporary broken-spring. K. B. Dotson. 1,736,113; Nov. 19.
 Support, Roof. E. O'Toole. 1,735,974; Nov. 19.
 Support, Verminproof perch. A. Johnson. 1,736,490; Nov. 19.
 Supporting and track-receiving device, Casing. H. Dixon. 1,736,760; Nov. 19.
 Supporting bracket. F. J. Pilat and P. A. Galgan. 1,736,213; Nov. 19.
 Supporting device for rails. J. J. Macklem. 1,736,501; Nov. 19.
 Surgical instrument, Skin-graft. V. P. Blair. 1,736,246; Nov. 19.
 Suspension arm, Multiple manipulating. J. A. Cameron. 1,736,250; Nov. 19.
 Suspension device. E. A. Wyss. 1,736,240; Nov. 19.
 Switch. See—
 Automatic switch. Signal switch.
 Electric switch. Snap switch.
 Electrical switch. Tire-deflation switch.
 Pendant switch. Toggle switch.
 Switch. K. F. Gallimore. 1,736,493; Nov. 19.
 Switch. C. S. Wakeland. 1,736,683; Nov. 19.
 Switch for vehicle doors, Safety. A. G. Demand. 1,736,189; Nov. 19.
 Switch operator, Automatic. A. Stirnweis, Jr. 1,736,076; Nov. 19.
 Switch structure, Safety. J. F. MacWilliams. 1,736,452; Nov. 19.
 Switching means, Electrical. J. Sachs. 1,736,360; Nov. 19.
 Synthetic material adapted to the plastic art. C. A. Nash, J. P. Trickey, and C. S. Miner. 1,736,047; Nov. 19.
 Syringe, Automatic. R. E. Beese. 1,736,573; Nov. 19.
 Table and chair, Foldable. A. Hodinka. 1,736,531; Nov. 19.
 Table or analogous article. N. E. Goodrich. Des. 79,950; Nov. 19.
 Tack driver. S. Tatar. 1,736,036; Nov. 19.
 Tackle to support scaffolds or similar devices. M. A. Serra y Pérez. 1,736,723; Nov. 19.
 Tag-supporting strip, Price. A. B. McIntyre. 1,736,123; Nov. 19.
 Tank heater. R. E. McFarland. 1,736,658; Nov. 19.
 Tap-changer mechanism. K. A. Oplinger and L. H. Hill. 1,736,459; Nov. 19.
 Tapestry fabric and making the same. B. Holmes. 1,736,532; Nov. 19.
 Teapot. J. H. Thompson. 1,736,381; Nov. 19.
 Teeth for excavating dippers and the like. W. E. Milley. 1,736,045; Nov. 19.
 Telegraph system. G. S. Vernam. 1,735,940; Nov. 19.
 Telephone system, Automatic. J. E. Gardner. 1,736,259; Nov. 19.
 Telephone system, Automatic. J. E. Gardner. 1,736,283; Nov. 19.
 Television and like system. J. L. Baird. 1,735,946; Nov. 19.
 Temperature of hot metal stock, Rolling and controlling the. J. R. George. 1,736,078; Nov. 19.
 Temple. L. Poeton. 1,736,362; Nov. 19.
 Tenter clip. J. H. Williams. 1,736,686; Nov. 19.
 Terminal clamp, Battery-post. H. A. Rennback. 1,736,623; Nov. 19.
 Testing device. F. E. Kreft. 1,736,605; Nov. 19.
 Testing telegraph transmission. H. Nyquist. 1,735,933; Nov. 19.
 Testing telegraph transmission. E. F. Watson and B. S. Swezey. 1,735,943; Nov. 19.
 Textile material and producing same, Vegetable. L. Lillienfeld. 1,736,714; Nov. 19.
 Thermometer, Guide. H. F. Schroeder. 1,735,880; Nov. 19.
 Thermostatic-circuit controller. E. T. Williams. 1,736,027; Nov. 19.
 Thread moistener for hose or stocking knitting machines. R. E. York. 1,736,566; Nov. 19.
 Thread protector. P. J. Shrum. 1,735,983; Nov. 19.
 Threads, filaments, and the like, Manufacture of artificial. C. F. Topham, E. Hazeley, and E. A. Morton. 1,736,681; Nov. 19.
 Thumb protector, Hosking-mitten. C. Hisek. 1,736,344; Nov. 19.
 Ticket-vending machine. J. Hullin. 1,736,710; Nov. 19.
 Tie for plastic furnace linings, Flexible. S. C. Gilbert. 1,736,704; Nov. 19.
 Tire-deflation switch. B. C. S. Jensen. 1,736,534; Nov. 19.
 Tire-inflating apparatus. E. M. Morley. 1,736,274; Nov. 19.
 Tire mold. A. Boerder. 1,735,916; Nov. 19.
 Toe clip for ski binding. L. D. Gibson. 1,735,922; Nov. 19.
 Toggle switch. O. H. Frank. 1,736,152; Nov. 19.
 Tonga, Box. R. Conrad. 1,735,917; Nov. 19.
 Tool, Bending. F. R. Fehlbauer. 1,736,585; Nov. 19.
 Tool for use in attaching eye sets in doll heads. J. H. Wilhelm. 1,736,562; Nov. 19.
 Tool, Hand. J. G. Elkin. 1,735,998; Nov. 19.
 Tool joint. C. D. Bennett. 1,735,991; Nov. 19.
 Tool, Portable impact. F. Mickelson. 1,736,716; Nov. 19.
 Tool, Rim contracting and expanding. F. M. Ross. 1,736,465; Nov. 19.
 Tool, Tire-rim. H. W. Clark. 1,736,727; Nov. 19.
 Tool, Valve-facing. H. A. Berkman. 1,736,739; Nov. 19.
 Tool, Well-drilling. J. Mosley. 1,736,504; Nov. 19.

Toothbrush, Adjustable. L. E. Evalin. 1,736,525; Nov. 19.
 Tooth for crushing rolls. G. W. Wilmot. 1,736,563; Nov. 19.
 Towing machine, Electrically-operated. G. E. Smith. 1,736,674; Nov. 19.
 Toy. W. P. Shepherd. 1,736,176; Nov. 19.
 Toy animal. A. E. Woolnough. 1,736,687; Nov. 19.
 Toy, Boxing figure. R. L. McGee. 1,736,163; Nov. 19.
 Toy building block. J. Rutherford. 1,736,134; Nov. 19.
 Toy building construction. A. C. Gilbert. 1,736,310; Nov. 19.
 Toy railroad track. J. Cooper. 1,736,487; Nov. 19.
 Toy submarine, Diving. J. J. Mackintosh. 1,736,270; Nov. 19.
 Toy vehicle, Wheeled. D. K. Rice. 1,736,052; Nov. 19.
 Trace-chain hook. C. D. Turlington. 1,736,062; Nov. 19.
 Tracing, Making. R. L. Jannenga and R. C. Lemmerhart. 1,736,445; Nov. 19.
 Tractor. P. J. Lyback. 1,735,929; Nov. 19.
 Tractor trailer. C. M. Luck. 1,736,450; Nov. 19.
 Traffic signal. W. J. Purcell. 1,736,326; Nov. 19.
 Traffic signal. L. M. Torrence. 1,736,382; Nov. 19.
 Train-control system. C. S. Bushnell. 1,736,732-7; Nov. 19.
 Train-control system. W. K. Howe. 1,736,729; Nov. 19.
 Train-control system for railroads. W. D. Hallies. 1,736,728; Nov. 19.
 Train control, System of. O. S. Field. 1,736,397; Nov. 19.
 Transfer and method of protecting and decorating surfaces. C. D. Higginson. 1,736,597; Nov. 19.
 Transferring device. J. L. McMillan. 1,736,164; Nov. 19.
 Transmission. T. L. Fawick. 1,736,151; Nov. 19.
 Transmission for spinning mules, Reversible. J. H. Rayalls. 1,736,627; Nov. 19.
 Transmission mechanism, Automatic. J. Nelson. 1,736,663; Nov. 19.
 Transmitting pressure impulses, Device for. M. Eule. 1,735,964; Nov. 19.
 Trap. See—
 Radio wave trap.
 Tray elevator. P. C. Wego. 1,736,472; Nov. 19.
 Treating and blending molders' sand, Apparatus for. G. F. Royer. 1,736,055; Nov. 19.
 Treating cypress. S. D. Butterworth. 1,736,186; Nov. 19.
 Treating glass for illumination purposes. S. G. Nye. 1,736,619; Nov. 19.
 Treating hydrocarbon distillates and apparatus used in connection therewith, System of. C. W. Stratford. 1,736,018; Nov. 19.
 Treating metal to remove scale. C. Fischer, Jr., and L. A. Stegemeyer. 1,736,282; Nov. 19.
 Treating ores. T. A. Mitchell. 1,736,659; Nov. 19.
 Truck body. R. A. Fontaine. 1,736,074; Nov. 19.
 Truck body, Gravity-dumping. D. A. Robinson. Re17,497; Nov. 19.
 Tube. See—
 Stomach tube.
 Tube-forming mill. R. C. Stiefel. 1,736,099; Nov. 19.
 Tubes for rear-axle casings, Preparing. A. E. Owen and A. C. Scott. 1,736,748; Nov. 19.
 Tubes, Forming vulcanized fiber. H. J. Davis. 1,736,699; Nov. 19.
 Turbine, Steam. A. Lysholm. 1,736,612; Nov. 19.
 Tubing bleeder for oil-well pumps. W. H. Hazlett. 1,736,040; Nov. 19.
 Type-casting mechanism. C. A. Macomic. 1,736,271; Nov. 19.
 Typewriting machine. A. G. F. Kurowski. 1,735,870; Nov. 19.
 Typewriting machine. W. O. Michelsen. 1,736,125; Nov. 19.
 Umbrella construction. C. G. Snook. 1,736,177; Nov. 19.
 Unloader for elevators, Automatic. S. Olson. 1,736,011; Nov. 19.
 Unloading device, Compressor. C. C. Farmer. 1,735,999; Nov. 19.
 Valve. W. E. Baker and R. C. Aland. 1,735,888; Nov. 19.
 Valve and valve-stem construction for self-grinding valves. L. D. Collier. 1,736,253; Nov. 19.
 Valve construction, Standing. E. J. Carnahan. 1,736,486; Nov. 19.
 Valve device, Triple. T. H. Thomas. 1,736,021; Nov. 19.
 Valve for cisterns, Flushing. N. A. Morro. 1,736,719; Nov. 19.
 Valve, Flush-tank. A. P. Ricard. 1,736,368; Nov. 19.
 Valve-operating mechanism for organs. L. J. Wick. 1,736,684; Nov. 19.
 Valve, Outlet. H. Visserling. 1,736,179; Nov. 19.
 Valve seating and pulling device. G. E. Lukehart. 1,736,318; Nov. 19.
 Valve spring clip and manufacturing same. J. Sunnen. 1,736,231; Nov. 19.
 Valve unit, Motor-operated. C. A. Olson and C. H. Beckwith. 1,736,417; Nov. 19.
 Valve yoke construction. A. M. Houser and C. A. Dopp. 1,736,405; Nov. 19.
 Vanity case. F. E. Wakefield. 1,736,025; Nov. 19.
 Vault, Adjustable steel. R. S. Garver. 1,735,966; Nov. 19.
 Vault structure, Bank. W. J. Aring and W. E. Adams. 1,736,154; Nov. 19.
 Vehicle lock, Motor. O. A. Anderson. Re17,489; Nov. 19.
 Vehicle, Motor. A. Moorhouse. 1,736,718; Nov. 19.
 Vehicle, Motor. N. Straussler. 1,735,984; Nov. 19.
 Vehicle screen. G. S. Yerby and J. F. Hewitt. 1,736,688; Nov. 19.
 Vehicle signal. L. del Pilar. 1,735,895; Nov. 19.
 Vehicle wheel. J. Poissant de Cloud. 1,736,130; Nov. 19.
 Ventilating system, Mine. L. Kessler. 1,735,927; Nov. 19.
 Vibratory systems, Method of and apparatus for controlling. J. W. Legg. 1,736,500; Nov. 19.
 Vibratory unit. W. D. Pack. 1,735,874-5; Nov. 19.
 Voltage release, Time-delay low. L. C. Frank. 1,736,438; Nov. 19.
 Wall board, Manufacture of. C. Payne. 1,735,877; Nov. 19.
 Wash boiler. H. V. Sisco. 1,735,938; Nov. 19.
 Washing and conditioning artificial silk wound on bobbins or the like. F. W. Schubert. 1,736,098; Nov. 19.
 Washing appliance. O. P. Greenstreet. 1,736,738; Nov. 19.
 Washing machine. M. A. Deffenbaugh. 1,735,996; Nov. 19.
 Waxing and polishing machine, Floor. W. L. Keefer. 1,736,446; Nov. 19.
 Weather strip, Combination. J. J. Behen. 1,736,693; Nov. 19.
 Welders, Mechanically-operated butt. J. A. Muir. 1,736,617; Nov. 19.
 Welding apparatus, Portable. H. E. Bryant. 1,736,428; Nov. 19.
 Wheel. See—
 Abrading wheel. Vehicle wheel.
 Grinding wheel.
 Wheel. C. A. Sullivan. 1,736,279; Nov. 19.
 Wheel loader. W. W. Reeder. 1,736,367; Nov. 19.
 Wheel production, Metal. C. Schenck and L. Fine. 1,736,329; Nov. 19.
 Wind cone. J. S. Barton. 1,736,109; Nov. 19.
 Window construction. F. J. Plym. 1,736,169; Nov. 19.
 Window construction. F. E. Webb. 1,736,638; Nov. 19.
 Window construction. F. A. Yeager. Re17,496; Nov. 19.
 Window-regulator connection. F. J. Fauser and F. M. Edgar. 1,736,703; Nov. 19.
 Window screen, Metal. E. T. Galley. 1,736,075; Nov. 19.
 Wiper for power plate printing. C. Hawkins. 1,736,402; Nov. 19.
 Wire connector. W. R. Sommer. 1,736,379; Nov. 19.
 Wire-drawing apparatus. H. L. Blood. 1,735,846; Nov. 19.
 Wire-drawing apparatus. W. U. Boedeker. 1,735,850; Nov. 19.
 Wire-drawing apparatus. H. O. Olson. 1,735,871; Nov. 19.
 Wood-shredding machine. O. B. Randall. 1,736,622; Nov. 19.
 Woodturning machine. C. L. Mattison and C. E. La Pointe. 1,735,906; Nov. 19.
 Wool, Mordanting and dyeing of. C. S. Bedford. 1,735,844; Nov. 19.
 Wrench. See—
 Adjustable wrench. Quick-set wrench.
 Wrench. J. B. Arbuckle and W. Depfer. 1,736,385; Nov. 19.
 Wringer. E. V. Godfrey. 1,736,589; Nov. 19.
 Wringer. E. J. Schuda. 1,736,468; Nov. 19.
 Yarn and improved product, Manufacture of cotton. E. C. Gwaltney. 1,736,592; Nov. 19.
 Yarns, threads, and the like, Apparatus for moistening. H. Pfedmenges. 1,736,359; Nov. 19.
 Yeast for medical and pharmaceutical purposes, Manufacturing dry. C. Massatsch. 1,736,657; Nov. 19.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 19, 1929

NOTE—First number=class, second number=subclass, third number=patent number.

1- 44: 1,736,190	29- 105: 1,736,210	53- 3: 1,736,265	81- 158: 1,736,303	108- 5.4: 1,736,038	136- 177: 1,736,115
53: 1,736,036	137.4: 1,736,273	1,736,381	201: 1,736,041	109- 1: 1,735,966	137- 34: 1,736,116
18: 1,736,547	148: 1,736,495	1,736,460	1: 1,736,739	1,736,184	34: 1,736,117
20: 1,736,209	153: 1,736,321	6: 1,736,223	8: 1,736,094	3: 1,736,235	77: 1,736,117
21: 1,736,344	153.1: 1,736,748	9: 1,736,479	38: 1,736,378	110- 39: 1,735,913	90: 1,736,106
41: 1,736,128	159.2: 1,736,738	54- 55: 1,736,092	83- 9: 1,736,394	44: 1,736,565	91: 1,735,983
70: 1,736,224	161: 1,735,897	13: 1,736,253	11: 1,735,985	47: 1,736,564	99: 1,736,283
88: 1,736,594	174: 1,736,329	208: 1,736,950	44: 1,736,243	72: 1,735,884	104: 1,736,749
150: 1,736,097	30- 12: 1,736,386	333: 1,736,348	52: 1,736,563	97: 1,735,945	100: 1,736,319
53: 1,736,719	31- 62: 1,736,010	60- 54.5: 1,735,964	73: 1,736,751	175: 1,736,521	162: 1,736,289
177: 1,735,965	32- 1: 1,736,006	61- 28: 1,736,628	84- 312: 1,736,580	111- 51: 1,736,380	121: 1,736,360
120: 1,736,478	33- 7: 1,736,537	76: 1,736,104	339: 1,736,684	112- 2: 1,736,461	125: 1,736,029
213: 1,736,467	34- 39: 1,736,305	92: 1,736,706	349: 1,735,864	63: 1,736,458	126: 1,736,030
91: 1,736,341	174: 1,736,247	62- 61: 1,736,648	87- 5: 1,736,375	115: 1,736,475	161: 1,736,327
168: 1,736,203	212: 1,736,502	116: 1,736,635	1,736,440	212: 1,736,288	302: 1,736,488
313: 1,736,658	46: 1,736,213	119.5: 1,736,288	9: 1,736,302	214: 1,736,287	418: 1,736,532
320: 1,736,212	12: 1,736,552	178: 1,735,995	1: 1,736,667	248: 1,736,466	420: 1,735,847
5: 1,735,960	35- 10: 1,736,584	179: 1,735,869	17: 1,736,082	299: 1,736,453	117: 1,736,585
1,735,961	36- 1.5: 1,736,013	11: 1,736,166	17: 1,736,730	14: 1,736,092	142- 8: 1,736,332
1,736,963	14: 1,735,986	64- 17: 1,736,024	22: 1,736,119	114- 56: 1,736,315	15: 1,736,278
1,736,963	28: 1,736,609	65- 46: 1,736,519	31: 1,736,071	116- 39: 1,736,060	50: 1,736,421
13: 1,735,844	32: 1,736,576	66- 8: 1,736,742	39: 1,735,949	63: 1,736,382	143- 6: 1,735,990
20: 1,736,713	55: 1,736,245	108: 1,735,970	52: 1,736,362	114: 1,736,304	133: 1,736,560
1,736,714	71: 1,736,418	151: 1,736,387	36: 1,736,621	1,736,702	151: 1,736,571
1: 1,736,157	43: R. 17,498	67- 3: 1,736,599	1,736,672	129: 1,736,136	27: 1,736,709
11: 1,736,156	141: 1,736,045	68- 27: 1,736,650	91- 18: 1,736,633	120: 1,736,523	117: 1,736,641
12: 1,736,155	143: 1,736,352	30: 1,735,938	32: 1,736,506	1,736,603	147: 1,736,629
139: 1,736,261	190: 1,736,661	32: 1,736,738	38: 1,736,543	133: 1,735,972	81: 1,735,998
141: 1,736,276	2: 1,735,994	39: 1,736,446	45: 1,736,356	117- 35: 1,736,221	76: 1,736,549
128: 1,736,236	20: 1,736,722	46: 1,736,759	54: 1,736,656	118- 5: 1,736,656	150: 1,736,288
148: 1,735,918	33: 1,736,567	7: 1,736,272	9: 1,736,080	119- 25: 1,736,499	182: 1,736,383
167: 1,736,525	39: 1,736,225	46: 1,736,685	20: 1,736,622	33: 1,736,625	189: 1,736,550
21: 1,736,110	58: 1,735,934	47: 1,735,898	43: 1,736,570	9: 1,736,568	1: 1,736,324
84: 1,736,175	63: 1,736,395	50: 1,736,761	49: 1,736,400	120- 18: 1,736,194	6.5: 1,735,842
27: 1,736,137	125: 1,736,328	113: 1,736,183	2: 1,736,180	121- 134: 1,736,179	8: 1,736,118
1,736,138	131: 1,736,437	128: 1,736,059	7: 1,735,978	122- 32: 1,736,509	15: 1,736,467
1: 1,736,096	135: 1,736,664	140: 1,735,893	94- 3: 1,736,543	35: 1,736,411	2: 1,735,977
2: 1,736,582	145.1: 1,736,087	41: 1,736,595	45: 1,736,413	37: 1,736,462	20: 1,736,095
8: 1,736,661	12: 1,736,526	68: 1,735,886	50: 1,736,412	235: 1,736,287	52: 1,736,383
40: 1,736,249	17: 1,736,597	103: 1,736,704	1,736,555	34: 1,736,647	12: 1,736,191
47: 1,735,916	11: 1,736,624	24: 1,736,505	1,736,556	51: 1,736,639	29: 1,736,130
54: 1,736,280	32: 1,736,337	52: 1,735,880	5: 1,736,445	81: 1,735,975	2: 1,736,231
55: 1,736,690	40: 1,736,343	138: 1,736,077	36: 1,736,220	122: 1,736,003	20: 1,736,331
98: 1,736,142	46: 1,736,403	167: 1,735,892	53: 1,736,436	139: 1,736,242	9: 1,736,896
145: 1,736,592	57: 1,735,900	167: 1,735,953	88: 1,736,557	179: 1,736,182	179: 1,736,955
11: 1,736,237	68.1: 1,736,306	7: 1,736,417	19: 1,736,127	198: 1,736,335	2: 1,736,921
12: 1,735,952	75: 1,736,354	1,736,000	90: 1,736,575	21: 1,736,697	14: 1,736,583
52.3: 1,736,638	77: 1,736,108	1,736,765	112: 1,736,442	117: 1,736,569	123: 1,736,531
68: 1,736,683	113: 1,736,533	27: 1,736,727	240: 1,736,197	33: 1,736,716	128: 1,736,135
1: 1,735,969	35: 1,736,134	34: 1,735,898	50: 1,735,927	126- 39: 1,736,473	144: 1,736,631
4: 1,736,351	37: 1,736,176	1,736,291	99- 12: 1,736,186	41: 1,736,107	103: 1,736,701
9: 1,736,345	40: 1,736,163	1,736,663	100- 5: 1,736,338	92: 1,736,227	179: 1,736,511
11: 1,735,890	49: 1,736,613	1,736,330	50: 1,736,262	271.2: 1,736,227	196: 1,736,851
43: 1,736,514	53: 1,736,673	1,736,485	157: 1,736,431	309: 1,736,492	13: 1,736,086
65: 1,736,424	73: 1,736,596	1,736,691	168: 1,736,402	360: 1,736,658	14: 1,736,075
79: 1,736,188	17: 1,736,026	40: 1,735,928	225: 1,736,034	66: 1,735,976	1,736,336
85: 1,736,725	29: 1,736,637	54: 1,735,923	10: 1,736,398	127- 153: 1,736,515	229: 1,736,573
96: 1,736,364	47: 1,736,322	58: 1,736,064	46: 1,736,094	254: 1,736,590	266: 1,736,147
100: 1,736,171	83.1: 1,736,005	1,736,151	87: 1,736,002	272: 1,736,078	36: 1,736,527
41: 1,735,987	11: 1,736,274	1,736,277	89: 1,736,593	305: 1,736,246	39: 1,736,432
50: 1,736,747	103: 1,735,867	59: 1,736,627	103: 1,736,428	350: 1,736,182	1,736,668
113: 1,736,261	60- 11: 1,736,274	78: 1,736,089	135: 1,736,066	129- 1: 1,736,165	1,736,760
134: 1,736,741	61- 103: 1,735,867	81: 1,736,309	137: 1,735,893	16.1: 1,736,334	44: 1,736,634
212: 1,736,065	118: 1,736,159	105: 1,735,855	144: 1,736,105	17: 1,736,164	1: 1,736,415
19: 1,735,932	134: 1,736,199	106: 1,736,708	161: 1,736,497	24: 1,736,711	11: 1,735,882
1,736,630	141: 1,735,903	108: 1,736,001	162: 1,736,754	26: 1,736,384	23.1: 1,736,098
37: 1,736,377	166: 1,736,085	109: 1,736,252	180: 1,736,318	35: 1,736,558	28: 1,736,420
135: 1,736,508	168: 1,736,056	1,736,530	229: 1,736,486	51: 1,736,347	36.4: 1,736,033
249: 1,736,290	176: 1,736,546	1,736,120	236: 1,736,100	51: R. 17,492	104: 1,736,207
1,736,591	184.4: 1,736,114	1,736,654	91: 1,736,093	38: 1,735,989	47: 1,735,980
263: 1,735,937	197: 1,736,098	18: 1,736,072	162: 1,736,513	48: 1,736,215	1: 1,736,474
131: 1,736,376	198: 1,736,510	28: 1,736,665	133: 1,735,887	83: 1,736,025	6.6: 1,736,317
62: 1,736,686	206: 1,735,991	67: 1,736,659	166: 1,736,690	415: 1,735,971	14: 1,736,559
84: 1,736,606	207: 1,736,161	1,736,680	205: 1,736,251	416: 1,736,292	25: 1,736,049
1,736,561	238: 1,736,167	78- 81: 1,736,715	416: 1,736,294	34: 1,736,404	50: 1,736,143
1,736,562	280: R. 17,491	80- 42: 1,736,076	36.1: 1,736,642	58: 1,736,066	69: 1,736,700
88.2: 1,735,901	287: 1,736,743	81- 103: 1,736,385	8: 1,736,579	135- 9: 1,736,177	10: 1,736,254
1,736,639	63- 1: 1,736,122	111: 1,736,696	14: 1,736,611	136- 143: 1,736,101	20: 1,736,017

167— 3: 1,736,001	180— 82: 1,736,189	201— 76: 1,736,745	229— 57: 1,736,181	247— 25: 1,736,150	267— 48: 1,736,670
14: 1,736,448	90: 1,735,904	204— 8: 1,735,909	62: 1,736,306	17: 1,736,154	61: 1,736,113
81: 1,736,657	27: 1,735,861	205— 13: 1,735,846	78: 1,735,843	2: 1,736,301	62: 1,736,103
169— 32: 1,736,153	1,735,862	15: 1,735,850	92 1: 1,736,588	17: 1,736,307	63: 1,736,390
37: 1,736,256	1,735,863	16: 1,735,871	30: 1,735,999	1,736,696	126: 1,736,703
38: 1,736,255	31: 1,735,860	38: 1,736,295	56: 1,736,469	30: 1,736,699	271— 8: 1,736,414
170— 177: 1,735,912	1,736,035	44: 1,736,726	101: 1,736,643	36: 1,735,939	61: 1,736,483
171— 34: 1,736,090	1,736,042	78: 1,736,313	125: 1,736,311	41: 1,736,170	28: 1,736,340
95: 1,735,919	1,736,606	12: 1,736,308	191: 1,736,470	1,736,172	49: 1,736,484
97: 1,735,845	114 6: 1,736,070	42: 1,736,052	234— 1 5: 1,736,458	65: 1,736,346	86: 1,736,482
1,736,454	1,736,692	154: 1,736,080	235— 2: 1,736,067	20: 1,736,614	27: 1,736,678
119: 1,736,459	1,736,312	184: 1,735,922	7: 1,736,068	27 5: 1,736,275	32: 1,736,583
1,736,471	28: 1,736,050	2: 1,736,615	30: 1,736,416	271— 27: 1,735,888	35: 1,736,447
1,736,477	46: 1,736,174	90: 1,736,055	1,736,411	44: 1,736,253	82: 1,736,425
1,736,615	91: 1,736,229	110: 1,736,540	14: 1,736,752	49: 1,736,405	103: 1,736,244
123: 1,736,443	185— 19: 1,736,389	120: 1,736,054	1,736,753	84: 1,736,261	121: 1,736,316
209: 1,736,441	188— 16: 1,736,082	281: 1,735,963	25: 1,736,266	2: 1,736,464	280— 33 1: 1,736,450
120: 1,736,551	78: 1,736,046	426: 1,736,068	102: 1,736,649	3: 1,736,451	33 2: 1,736,036
152: 1,736,480	88: 1,736,410	433: 1,736,111	53: 1,736,222	10: 1,736,051	33 44: 1,736,433
1,736,481	216: 1,736,048	73: 1,736,349	12: 1,735,944	100: 1,736,974	163: 1,735,948
1,736,481	57: 1,736,133	11: 1,736,374	37: 1,736,121	126: 1,736,802	12: 1,736,427
179: 1,736,401	69: R.17,496	172: 1,736,717	51: 1,736,031	172: 1,736,674	16: 1,735,836
274: 1,736,689	72: 1,736,169	50: 1,736,328	159: 1,736,328	187: 1,736,144	24: 1,735,848
293: 1,736,323	190— 57: 1,736,640	51: 1,736,102	210: 1,736,652	193: 1,736,193	29: 1,736,535
173— 28: 1,736,043	191— 29: 1,736,487	243: 1,736,032	243: 1,736,032	19: 1,736,618	256— 38: 1,736,646
1,736,044	3: 1,736,089	252: 1,735,967	1: 1,736,012	35: 1,736,009	287— 63: 1,735,910
259: 1,736,623	4: R.17,489	1: 1,736,012	7 1: 1,736,496	61: 1,736,740	94: 1,736,740
262: 1,736,217	11: 1,736,578	8 26: 1,736,616	10 5: 1,736,308	48: 1,736,707	103: 1,736,373
263: 1,736,379	53: 1,736,267	10 5: 1,736,308	48 4: 1,736,619	257— 130: 1,735,942	47: 1,736,662
264: 1,736,444	1: 1,736,522	48 4: 1,736,619	62: 1,736,232	224: 1,735,979	292— 76: 1,736,002
318: 1,736,455	46: 1,736,185	62: 1,736,232	66: 1,736,512	64: 1,736,857	293— 55: 1,735,901
343: 1,736,269	47: 1,736,284	25: 1,736,148	78: 1,735,997	101: 1,735,906	1,735,926
354: 1,736,285	93: 1,736,710	32: 1,736,544	85: 1,736,240	127: 1,736,542	294— 9: 1,736,196
363: 1,735,981	45: 1,736,018	33: 1,736,211	12: 1,736,463	183: 1,736,626	63: 1,736,074
175— 41: 1,735,856	96: 1,736,088	35: 1,736,451	43 7: 1,736,314	3: 1,736,047	67: 1,736,016
1,736,864	1,736,022	1: 1,736,651	100: 1,736,004	4: 1,736,757	91: 1,736,187
41 5: 1,735,989	1,736,234	24: 1,736,350	1: 1,736,516	17: 1,735,917	106: 1,736,917
115: 1,736,126	106: 1,736,325	40: 1,736,173	2: 1,735,852	1,736,015	107: 1,735,994
183: 1,735,875	25: 1,736,125	55: R.17,490	1,736,226	58: 1,736,088	296— 1: 1,736,572
1,736,004	127: 1,736,260	7: 1,735,885	1,736,263	61: 1,735,941	66: 1,735,908
1,736,605	133: 1,735,949	47 1: 1,736,644	5: 1,736,430	1,736,061	7: 1,735,930
294: 1,736,434	135: 1,735,970	47 4: 1,736,058	12: 1,736,269	1,736,081	12: R.17,497
1,736,435	138: 1,736,112	60: 1,736,160	14: 1,735,872	1,736,084	298— 88: 1,736,357
336: 1,735,873	20: 1,736,011	62: 1,735,902	16: 1,736,632	90: 1,735,924	89: 1,736,393
339: 1,735,874	85: 1,736,584	99: 1,736,489	29: 1,736,230	106: 1,736,429	300— 5: 1,736,162
371: 1,736,026	154: 1,736,472	103: 1,736,359	1,736,541	123: 1,735,951	301— 26: 1,736,279
3: 1,736,766	203: 1,736,517	31: 1,736,762	1,736,541	1,735,957	303— 6 1: 1,736,019
7: 1,736,767	213: 1,735,920	33: 1,736,388	1,736,541	1,735,958	60: 1,736,021
51: 1,735,947	190— 55: 1,736,271	63: 1,736,397	1,736,541	1,735,959	86: 1,736,000
177— 329: 1,735,895	200— 6: 1,736,493	105: 1,736,400	1,736,728	1,735,962	304— 3: 1,736,501
2: 1,735,940	48: 1,736,528	130: 1,736,124	1,736,729	1,736,925	18: 1,736,723
5: 1,736,219	50: 1,736,369	17: 1,736,296	1,736,732	41: 1,736,239	308— 4: 1,736,178
6: 1,735,946	1,736,452	31: 1,736,361	1,736,732	75: R.17,495	86: 1,736,705
69: 1,735,933	58: 1,736,534	5: 1,736,131	1,736,733	20: 1,736,538	88: 1,736,374
1,735,943	59: 1,736,069	17: 1,736,192	1,736,733	1,736,248	144: 1,735,881
179— 18: 1,736,259	67: R.17,493	15: 1,736,257	1,736,736	1,736,675	168: 1,736,671
1,736,253	83: 1,736,129	124: 1,736,598	1,736,737	46: 1,736,524	174: 1,736,601
90: 1,736,430	89: 1,736,371	23: 1,735,992	1,736,737	43: 1,736,079	214: 1,736,037
100 1: 1,736,139	1,736,372	5 5: 1,735,833	140: 1,736,353	71: 1,735,973	226: 1,736,478
114: 1,735,875	96: 1,736,083	14: 1,735,915	227: 1,735,954	1,736,587	36: 1,736,057
116: 1,735,869	109: 1,736,438	23: 1,736,200	252: 1,736,676	1,736,587	38: 1,736,140
121: 1,735,906	140: 1,736,027	28: 1,736,755	247— 9: 1,736,370	1,736,587	44: 1,736,214
133: 1,736,260	141: 1,735,907	29: 1,736,756	15: 1,736,097	6: 1,735,866	112: 1,735,981
184: 1,736,228	153: 1,736,746	30: 1,735,876	25: 1,736,020	30: 1,736,869	143: 1,735,879
190— 1: 1,736,498	154: 1,736,152	34: 1,736,720	1,736,145	1,735,982	176: 1,736,235
9 1: 1,735,929	201— 49: 1,736,204				183: 1,736,007
22: 1,736,391					184: 1,736,201
44: 1,735,964					
69: 1,736,718					

U. S. GOVERNMENT PRINTING OFFICE: 1929

Nov. 26, 1929 ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, A. Theo., & Co., Philadelphia, Pa. Textile fabrics. 264,390; Nov. 26; Serial No. 271,781; published Sept. 17, 1929. Class 42.

Ace Engraving & Embossing Co., Chicago, Ill. Engraved stationery. 264,508; Nov. 26; Serial No. 284,515; published Sept. 3, 1929. Class 38.

Albrecht, Fred W., Grocery Company, The, doing business as Albrechts, Akron, Ohio. Coffee. 264,336; Nov. 26; Serial No. 282,591; published Sept. 17, 1929. Class 46.

Allen & Allen, Inc., Providence, R. I. Lubricating oils. 264,481; Nov. 26; Serial No. 281,920; published Sept. 17, 1929. Class 15.

Allen, Bona, Inc., Buford, Ga. Boots and shoes. 264,549; Nov. 26; Serial No. 285,495; published Sept. 10, 1929. Class 39.

Alpha Chi Omega Fraternity, Lansing, Mich. Fraternity badges, lapel buttons, cuff links, etc. 264,413; Nov. 26; Serial No. 284,284; published Sept. 3, 1929. Class 28.

American Tissue Mills, Holyoke, Mass. Paper napkins. 264,460-1; Nov. 26; Serial Nos. 287,993-4; published Sept. 10, 1929. Class 37.

American Tissue Mills, Holyoke, Mass. Tissue and waxed paper. 264,556; Nov. 26; Serial No. 287,998; published Sept. 10, 1929. Class 37.

American Tissue Mills, Holyoke, Mass. Paper napkins. 264,557; Nov. 26; Serial No. 287,995; published Sept. 10, 1929. Class 37.

Amos Electrical Device Manufacturing Corp., Dallas, Tex. Electrical devices. 264,422; Nov. 26; Serial No. 282,630; published Sept. 17, 1929. Class 21.

Arabic Manufacturing Company, The, New York, N. Y. Calcium carbonate. 264,363; Nov. 26; Serial No. 288,268; published Sept. 17, 1929. Class 6.

Arcturus Radio Company, Newark, N. J., now by change of name to Arcturus Radio Tube Company. Electron radiotubes and parts thereof. 264,814; Nov. 26; Serial No. 274,695; published Sept. 17, 1929. Class 21.

Armstrong Oil Company, Quincy, Ill. Gasoline, kerosene, and lubricating oil. 264,310; Nov. 26; Serial No. 249,036; published Sept. 3, 1929. Class 15.

Arriola, D. Jr., Puebla, Mexico. Laxative. 264,313; Nov. 26; Serial No. 260,421; published Apr. 30, 1929. Class 6.

Arrow Tool and Reamer Company, Detroit, Mich. Reamers, milling cutters, and mills, etc. 264,483; Nov. 26; Serial No. 285,616; published Sept. 17, 1929. Class 23.

Atlas, Harry, New York, N. Y. Eggs. 264,454; Nov. 26; Serial No. 285,144; published Sept. 10, 1929. Class 46.

Atmauspacher, A., Ehrenfriedersdorf, Germany. Boots and shoes. 264,475; Nov. 26; Serial No. 283,366; published Sept. 10, 1929. Class 39.

Aubrey & Company, Louisville, Ky. Horse, poultry, dairy, and stock feeds. 264,614; Nov. 26; Serial No. 279,209; published Sept. 10, 1929. Class 46.

Aubrey & Company, Louisville, Ky. Feeds. 264,615; Nov. 26; Serial No. 279,208; published Sept. 17, 1929. Class 40.

Bachrach, Philip H., Oceanside, Calif. Newspaper feature. 264,526; Nov. 26; Serial No. 287,226; published Sept. 10, 1929. Class 38.

Barre, Victor J., New Orleans, La. Bread. 264,610; Nov. 26; Serial No. 280,872; published Sept. 10, 1929. Class 46.

Baskind, Louis, & Co., Inc., New York, N. Y. Dress, negligee, flannel, and work shirts. 264,628; Nov. 26; Serial No. 284,639; published Sept. 17, 1929. Class 34.

Bastian-Morley Co., doing business as Gas and Electric Heater Co., La Porte, Ind. Gas water heaters. 264,639; Nov. 26; Serial No. 282,513-14; published Sept. 17, 1929. Class 2.

Bates Valve Bag Corporation, Chicago, Ill. Paper bags. 264,477-8; Nov. 26; Serial Nos. 282,513-14; published Sept. 17, 1929. Class 2.

Beaufort Co., Inc., The, Richmond, Va. Ginger ale. 264,443; Nov. 26; Serial No. 287,170; published Sept. 17, 1929. Class 45.

Beeman, Clarence W., Highland Park, Mich. Game ball. 264,398; Nov. 26; Serial No. 287,327; published Sept. 17, 1929. Class 22.

Behr-Manning Corporation, Watervliet, N. Y. Abrasive papers and cloths. 264,617-18; Nov. 26; Serial Nos. 287,328-9; published Sept. 17, 1929. Class 4.

Belserdorf, P. & Co., Inc., New York, N. Y. Soap. 264,325; Nov. 26; Serial No. 284,718; published Sept. 10, 1929. Class 4.

Belda, Bernabé B., Alicante, Spain. Dates, marmalades of dates, etc. 264,338; Nov. 26; Serial No. 283,547; published Sept. 17, 1929. Class 46.

Benzit-Aktiengesellschaft, Berlin, Germany. Soaps. 264,596; Nov. 26; Serial No. 285,248; published Sept. 3, 1929. Class 4.

Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassieres. 264,534; Nov. 26; Serial No. 287,908; published Sept. 10, 1929. Class 39.

Berman, Daniel, doing business as Star Bottling Works, Milwaukee, Wis. Glaser ale. 264,429; Nov. 26; Serial No. 286,148; published Sept. 17, 1929. Class 45.

Beveridge Paper Company, The, Indianapolis, Ind. Cardboard, Bristol board, cover paper, etc. 264,518; Nov. 26; Serial No. 279,140; published Sept. 17, 1929. Class 37.

Beveridge Paper Company, The, Indianapolis, Ind. Cardboard paper, cover paper, Bristol board, and cardboard. 264,590; Nov. 26; Serial No. 286,618; published Sept. 10, 1929. Class 37.

Blue Valley Creamery Company, Chicago, Ill. Butter, milk, and cheese. 264,399; Nov. 26; Serial No. 287,735; published Sept. 17, 1929. Class 46.

Boos, Henry P., Minneapolis, Minn. Bridge teeth, facing bridges, gold dentures, etc. 264,393; Nov. 26; Serial No. 288,219; published Sept. 17, 1929. Class 44.

Bost, W. D., assignor to Bost, Inc., Chicago, Ill. Tooth paste. 264,631; Nov. 26; Serial No. 287,735; published Sept. 17, 1929. Class 46.

Bradford's Laboratories, Nashville, Ark. Preparation for colds. 264,627; Nov. 26; Serial No. 287,735; published Sept. 17, 1929. Class 46.

Brandt, Jacob L., doing business as J. L. Brandt Co., New York, N. Y. Precious-metal jewelry. 264,439; Nov. 26; Serial No. 286,100; published Sept. 17, 1929. Class 28.

Brown Company, Portland, Me., and Berlin, N. H. Inner soles for shoes. 264,425; Nov. 26; Serial No. 284,560; published Sept. 10, 1929. Class 39.

Brown, De Lancey, doing business as Del. Brown, Albany, N. Y. Dirt and grease dissolvent. 264,439; Nov. 26; Serial No. 287,645; published Sept. 17, 1929. Class 4.

Burgess, C. F., Laboratories, Inc., Madison, Wis. Stereotype mats. 264,562; Nov. 26; Serial No. 287,648; published Sept. 10, 1929. Class 37.

Burke & James, Inc., Chicago, Ill. Arc lamps, electric and arc lamps. 264,499; Nov. 26; Serial No. 285,905; published Sept. 3, 1929. Class 21.

Burley Flour Mills, The. (See Colorado Milling & Elevator Co., The.)

Bush & Lane Piano Company, Holland, Mich. Radio receiving sets. 264,370; Nov. 26; Serial No. 267,236; published Sept. 3, 1929. Class 21.

Carrier Engineering Corporation, Newark, N. J. Periodical or house organ. 264,459; Nov. 26; Serial No. 288,063; published Sept. 10, 1929. Class 38.

Carter's Ink Company, The, Cambridge, Mass. Fountain pens, mechanical pencils, and desk sets therefor. 264,592; Nov. 26; Serial No. 285,907; published Sept. 3, 1929. Class 37.

Cement Gun Company, Inc., New York, N. Y. Rubber hose. 264,467; Nov. 26; Serial No. 287,523; published Sept. 17, 1929. Class 35.

Chain Belt Company, Milwaukee, Wis. Liquid pumps, saws, saw tables, and saw rigs. 264,600; Nov. 26; Serial No. 281,258; published Sept. 17, 1929. Class 23.

Chicago Candy Novelties Company, Not Inc. (See Pappageorge, Demetrios.)

Cities Service Oil Company, The, Cleveland, Ohio. Household lubricating oil. 264,484; Nov. 26; Serial No. 286,621; published Sept. 17, 1929. Class 15.

Clark, Charles M., Los Angeles, Calif. Luncheon sandwiches. 264,340; Nov. 26; Serial No. 286,420; published Sept. 3, 1929. Class 46.

Club Press Inc., New York, N. Y. Magazine. 264,570-1; Nov. 26; Serial Nos. 287,102-3; published Sept. 3, 1929. Class 38.

Clyde Cutlery Company, The, Clyde, Ohio. Cutlery. 264,469; Nov. 26; Serial No. 287,452; published Sept. 17, 1929. Class 23.

Cole, J. N., doing business as The Cole-Black Company, Los Angeles, Calif. Shampoo. 264,520; Nov. 26; Serial No. 286,815; published Sept. 17, 1929. Class 6.

Colorado Milling & Elevator Co., The, doing business as The Burley Flour Mills, Denver, Colo., and Burley, Idaho. Wheat and self-rising flour. 264,605; Nov. 26; Serial No. 284,985; published Sept. 10, 1929. Class 46.

Consolidated Trade Publications, Inc., New York, N. Y. Trade publication. 264,575; Nov. 26; Serial No. 286,977; published Sept. 3, 1929. Class 38.

Continental Radio Corporation, Fort Wayne, Ind. Radio receiving sets, radio amplifier units, etc. 264,530-1; Nov. 26; Serial Nos. 285,848-9; published Sept. 17, 1929. Class 21.

Cosgrove, George T., New Orleans, La. Preparation for restoring hair. 264,636; Nov. 26; Serial No. 287,735; published Sept. 17, 1929. Class 46.

Crouse-Hinds Co., Syracuse, N. Y. Conduit outlet boxes, covers for conduit outlet boxes, switch boxes, etc. 264,407; Nov. 26; Serial No. 278,340; published Sept. 3, 1929. Class 21.

Crown Willamette Paper Company, San Francisco, Calif. Paper towels. 264,554; Nov. 26; Serial No. 288,108; published Sept. 10, 1929. Class 37.

Custom House Packing Corporation, Monterey, Calif. Canned fish. 264,445; Nov. 26; Serial No. 287,052; published Sept. 17, 1929. Class 46.

Cutino Company, The, Kansas City, Mo. Electrical appliances. 264,411; Nov. 26; Serial No. 284,774; published Sept. 3, 1929. Class 21.

Daltch, L., & Co., Inc., New York, N. Y. Butter, cheese, and eggs. 264,396; Nov. 26; Serial No. 287,121; published Sept. 10, 1929. Class 46.

Davies, R. O., Publishing Co., Inc., Palm Beach, Fla. Newspaper. 264,578; Nov. 26; Serial No. 286,848; published Sept. 3, 1929. Class 38.

Davis Cheese Company

Davis, William, St. Louis, Mo. Vegetable compounds used to flavor beverages. 264,319; Nov. 26; Serial No. 276,026; published Sept. 17, 1929. Class 45.

De Moo Brothers, New York, N. Y. Permanent-waving pads. 264,604; Nov. 26; Serial No. 284,937; published Sept. 17, 1929. Class 44.

Dietzen, Eugene, Co., Chicago, Ill. Light-sensitive printing papers, fabrics, and the like, and reproductions, etc. 264,318; Nov. 26; Serial No. 275,659; published Sept. 17, 1929. Class 26.

Dimino, Charles, doing business as C. Dimino Co., East Rochester, N. Y. Medicinal preparation. 264,351; Nov. 26; Serial No. 287,456; published Sept. 17, 1929. Class 6.

Distribution and Warehousing Publications, Inc., New York, N. Y. Section of a magazine. 264,462; Nov. 26; Serial No. 287,797; published Sept. 10, 1929. Class 38.

Dougherty Cake Products, Inc., Muncie, Ind. Cakes. 264,395; Nov. 26; Serial No. 286,983; published Sept. 3, 1929. Class 46.

Drackett Chemical Company, The, Cincinnati, Ohio. General household cleaning and polishing preparation. 264,391; Nov. 26; Serial No. 273,189; published Sept. 3, 1929. Class 4.

Drow Cotton Seed Oil Mill, Monticello, Ark. Canned beans and tomatoes. 264,450; Nov. 26; Serial No. 286,537; published Sept. 17, 1929. Class 46.

Dulcetto-Polyphon, Limited, London, England. Phonographs, sound boxes, tone arms, etc. 264,405; Nov. 26; Serial No. 281,414; published Sept. 3, 1929. Class 36.

Dunn & McCarthy Inc., Auburn, N. Y. Hosiery. 264,355; Nov. 26; Serial No. 287,033; published Sept. 10, 1929. Class 39.

Duplex Silk Mills, Inc., New York, N. Y. Silks. 264,357; Nov. 26; Serial No. 288,111; published Sept. 10, 1929. Class 42.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Auto top polish or dressing. 264,324; Nov. 26; Serial No. 284,672; published Sept. 10, 1929. Class 4.

Eastern Tube and Tool Co., Inc., Brooklyn, N. Y. Tapsupporting devices and tapping attachments and parts thereof. 264,327; Nov. 26; Serial No. 284,723; published Sept. 17, 1929. Class 28.

Eau de Cologne & Parfumerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mühlens. (See Mühlens, Peter.)

Economy Paper Company, Milwaukee, Wis. Waxed paper. 264,568; Nov. 26; Serial No. 287,574; published Sept. 10, 1929. Class 37.

Ellcott Machine Corporation, Baltimore, Md. Dredging pumps and dredging machinery. 264,337; Nov. 26; Serial No. 283,103; published Sept. 17, 1929. Class 23.

Emerson Company, The, Derry, N. H. Leather shoes. 264,474; Nov. 26; Serial No. 283,602; published Sept. 17, 1929. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Boys' shoes. 264,545-6; Nov. 26; Serial Nos. 286,478-9; published Sept. 17, 1929. Class 39.

English, Frank W., Inc., Detroit, Mich. Publications. 264,432; Nov. 26; Serial No. 285,737; published Sept. 10, 1929. Class 38.

Ethel Hat Co., Inc., New York, N. Y. Ladies' and misses' hats. 264,480; Nov. 26; Serial No. 280,236; published Sept. 10, 1929. Class 39.

Eureka Tin Ware Mfg. Co., Inc., New York, N. Y. Telephone index. 264,559; Nov. 26; Serial No. 287,800; published Sept. 10, 1929. Class 37.

Everywoman's Laboratories. (See Haley, Henry V.)

Fairbanks, Morse & Co., Chicago, Ill. Power-transmission belts. 264,465; Nov. 26; Serial No. 287,576; published Sept. 17, 1929. Class 35.

Falls City Ice & Beverage Company, Louisville, Ky. Ginger ale and maltless beverages. 264,328; Nov. 26; Serial No. 284,905; published Sept. 17, 1929. Class 45.

Farber, Samuel J., Jamaica Plain, Mass. Boots and shoes. 264,386; Nov. 26; Serial No. 282,347; published Sept. 10, 1929. Class 39.

Farrel-Birmingham Company, Incorporated, Ansonia and Derby, Conn., and Buffalo, N. Y. Machines, presses, calendars, etc. 264,602; Nov. 26; Serial No. 278,093; published Sept. 17, 1929. Class 23.

Feyola, Frank, doing business as Scott's, Brooklyn, N. Y. Cream-filled water. 264,451; Nov. 26; Serial No. 285,814; published Sept. 3, 1929. Class 46.

Fitzpatrick Bros., Chicago, Ill. Cleaning preparation. 264,374; Nov. 26; Serial No. 270,020; published Sept. 3, 1929. Class 4.

Fleron, M. M. & Son, Inc., Trenton, N. J. Radio aerials and ground eliminators. 264,423; Nov. 26; Serial No. 286,985; published Sept. 17, 1929. Class 21.

Fond Facta Publishing Co., Omaha, Neb. Publication. 264,580; Nov. 26; Serial No. 286,754; published Sept. 3, 1929. Class 38.

Formozome Chemical Co. (See Scott, Charles D.)

French Battery Company, Madison, Wis. Radio electron tubes. 264,529; Nov. 26; Serial No. 285,852; published Sept. 3, 1929. Class 21.

G. E. Supply Co., Chicago, Ill. Electrical lighting fixtures, electric switches, sockets, etc. 264,417; Nov. 26; Serial No. 283,189; published Sept. 3, 1929. Class 21.

Gardner, Don G., Cincinnati, Ohio. Publication. 264,442; Nov. 26; Serial No. 287,343; published Sept. 3, 1929. Class 38.

Gas and Electric Heater Co. (See Bastian-Morley Co.)

General Cable Corporation, New York, N. Y. Electrical wires and cables. 264,494; Nov. 26; Serial No. 286,167; published Sept. 17, 1929. Class 21.

General Dyestuff Corporation, New York, N. Y. Cleansing agent and lotion. 264,619; Nov. 26; Serial No. 287,132; published Sept. 10, 1929. Class 4.

George's Honey Kiss Pop Corn, Inc., Milford, Conn. Flavoured and sweetened pop corn. 264,463; Nov. 26; Serial No. 287,751; published Sept. 17, 1929. Class 46.

Gillen, Peter J., doing business as The Gillen Pharmacal Co., Clinton, Ill. Medicinal Preparation. 264,353; Nov. 26; Serial No. 287,752; published Sept. 10, 1929. Class 6.

Gillen, Peter J., doing business as The Gillen Pharmacal Co., Clinton, Ill. Preparation for pyorrhea and Vincent's angina. 264,354; Nov. 26; Serial No. 287,753; published Sept. 17, 1929. Class 6.

Glysteena Company, The. (See Steen, Arminius G.)

Gonzalo Boza & Co., Inc., New York, N. Y. Building cement. 264,550; Nov. 26; Serial No. 274,218; published Sept. 3, 1929. Class 12.

Gordon, Mary K., New York, N. Y. Purses. 264,345; Nov. 26; Serial No. 286,116; published Sept. 3, 1929. Class 3.

Grady Bros. & Moran Mfg. Co., Horse Cave, Ky. Compound for use in removing road oil, etc. 264,441; Nov. 26; Serial No. 287,347; published Sept. 17, 1929. Class 4.

Great Western Store Company, Leavenworth, Kans. Electric ranges. 264,630; Nov. 26; Serial No. 286,116; published Sept. 17, 1929. Class 21.

Gross, Benjamin & Edward J. Co., Inc., New York, N. Y. Flinger rings and mountings therefor. 264,420; Nov. 26; Serial No. 282,706; published Sept. 3, 1929. Class 28.

Gross, Benjamin & Edward J. Co., Inc., New York, N. Y. Flinger rings and mountings therefor. 264,421; Nov. 26; Serial No. 282,708; published Sept. 3, 1929. Class 28.

Gulf Publishing Company, The, Houston, Tex. Publication. 264,593; Nov. 26; Serial No. 285,915; published Sept. 17, 1929. Class 38.

Gummed Products Company, The, Troy, Ohio. Gummed paper, print paper, bond paper, etc. 264,519; Nov. 26; Serial No. 277,419; published Sept. 10, 1929. Class 37.

Haley, Henry V., doing business as Haley Laboratories, Chicago, Ill. Antiseptic, deodorant, and prophylactic liquid preparation. 264,364; Nov. 26; Serial No. 287,755; published Sept. 10, 1929. Class 6.

Haley, Henry V., doing business as Everywoman's Laboratories, Chicago, Ill. Antiseptic, prophylactic, deodorant, and disinfectant liquid preparation. 264,365; Nov. 26; Serial No. 287,756; published Sept. 10, 1929. Class 6.

Hall, Philip F., Inc., New York, N. Y. Trunks, suitcases, handbags, etc. 264,607; Nov. 26; Serial No. 284,123; published Sept. 3, 1929. Class 3.

Hardinge Brothers, Inc., Chicago, Ill. Oil burners. 264,541; Nov. 26; Serial No. 286,987; published Sept. 17, 1929. Class 34.

Hardway, Roy, doing business as Magnetic Water Company, Eureka Springs, Ark. Spring water. 264,466; Nov. 26; Serial No. 287,539; published Sept. 17, 1929. Class 45.

Harvel Corporation, The, Newark, N. J. Electrical insulator compounds and fabrics. 264,424; Nov. 26; Serial No. 286,937; published Sept. 17, 1929. Class 21.

Health Laboratories, Inc., doing business as Health Laboratories, Inc., Pittsburgh, Pa. Medicinal preparation. 264,358; Nov. 26; Serial No. 288,235; published Sept. 17, 1929. Class 6.

Heller, L. & Son, Inc., New York, N. Y. Synthetic stones. 264,490-1; Nov. 26; Serial Nos. 286,246-7; published Sept. 3, 1929. Class 28.

Hemphill, Noyes & Co., New York, N. Y. Review of the general business situation. 264,581; Nov. 26; Serial No. 286,724; published Sept. 3, 1929. Class 38.

Hill Food Products Company, Los Angeles, Calif. Oleomargarine, mayonnaise dressing, etc. 264,629; Nov. 26; Serial No. 287,539; published Sept. 17, 1929. Class 45.

Hillier, Dr. Akt.-Ges. Nähr- & Heilmittelwerk, Grafath, Kreis Solingen, Germany. Preparations and compounds. 264,388-9; Nov. 26; Serial Nos. 271,652-3; published Sept. 17, 1929. Class 6.

Hoeckel, C. F., Blank Book and Lithographing Company, Denver, Colo. Paper. 264,510; Nov. 26; Serial No. 284,125; published Sept. 3, 1929. Class 37.

Hollingshead, R. M., Co., The, Camden, N. J. Goggles, oils, etc. 264,315; Nov. 26; Serial No. 275,110; published Mar. 19, 1929. Class 15.

Holtite Mfg. Co., Baltimore, Md. Rubber heels and soles for shoes. 264,543; Nov. 26; Serial No. 286,635; published Sept. 10, 1929. Class 39.

Horn, A. C., Company, Long Island City, N. Y. Paste to be used on the hands. 264,574; Nov. 26; Serial No. 286,988; published Sept. 3, 1929. Class 4.

Howard Cleaning Specialists, Chicago, Ill. Cleaning fluid. 264,570; Nov. 26; Serial No. 286,776; published Sept. 17, 1929. Class 4.

Howland, Thomas J., Long Branch, N. J. Bathing caps. 264,544; Nov. 26; Serial No. 286,559; published Sept. 10, 1929. Class 39.

Hubbard Milling Company, Mankato, Minn. Stock feed. 264,397; Nov. 26; Serial No. 287,141; published Sept. 17, 1929. Class 46.

Huebschman, Hyman, doing business as Ritz Chemical Co., Brooklyn, N. Y. Mineral oils for medical purposes. 264,500; Nov. 26; Serial No. 284,401; published Sept. 10, 1929. Class 6.

Insurance Magazine Publishing Co., The, Kansas City, Mo. Insurance publication. 264,598; Nov. 26; Serial No. 285,209; published Sept. 3, 1929. Class 38.

International Seour-Pac Corporation, New York, N. Y. Metallic wool and soaps. 264,585; Nov. 26; Serial No. 286,370; published Sept. 10, 1929. Class 4.

Iowa Soap Company, Burlington, Iowa. Soap, soap powders, and washing powders. 264,326; Nov. 26; Serial No. 284,844; published Sept. 10, 1929. Class 4.

Japan Paper Company, New York, N. Y. Paper. 264,514; Nov. 26; Serial No. 280,020; published Sept. 3, 1929. Class 37.

Jiggs Sales Corporation, Columbia City, Ind. Canned corned beef and cabbage. 264,308; Nov. 26; Serial No. 283,980; published Sept. 17, 1929. Class 46.

Jordan & Taylor, Inc., Los Angeles, Calif. Oil-well tools and equipment. 264,447; Nov. 26; Serial No. 286,828; published Sept. 17, 1929. Class 23.

K. S. Products Co. (See Steinmetz, Karl M.)

Kahn, E. M. & Company, Dallas, Tex. Leather shoes. 264,547; Nov. 26; Serial No. 286,372; published Sept. 10, 1929. Class 39.

Keen Waving Company, Incorporated, New York, N. Y. Apparatus for use in hair waving. 264,616; Nov. 26; Serial No. 277,480; published Sept. 17, 1929. Class 44.

Kendall Company, The, Boston, Mass., and Chicago, Ill. Absorbent cotton. 264,366; Nov. 26; Serial No. 288,075; published Sept. 17, 1929. Class 44.

Kendall Company, The, doing business as Lewis Manufacturing Company, Walpole, Mass. Adhesive tape. 264,634; Nov. 26; Serial No. 288,075; published Sept. 17, 1929. Class 44.

King of Spots Cleaning Co., Berryville, Ark. Dry cleaner. 264,584; Nov. 26; Serial No. 286,437; published Sept. 17, 1929. Class 4.

King, William H., Weed, Calif. Peg and block toy. 264,343; Nov. 26; Serial No. 286,884; published Sept. 17, 1929. Class 22.

Kulight, B. B. & R., Corporation, Providence, R. I. Textiles. 264,633; Nov. 26; Serial No. 288,075; published Sept. 17, 1929. Class 44.

Kress, S. H. & Co., New York, N. Y. Sanitary belts, aprons, etc. 264,320; Nov. 26; Serial No. 288,078; published Sept. 17, 1929. Class 44.

Laconia Hosiery Company, Inc., Laconia, N. H. Hosiery. 264,626; Nov. 26; Serial No. 288,078; published Sept. 17, 1929. Class 39.

Landrin, Albert, Paris, France. Antiseptic nasal injections. 264,350-60; Nov. 26; Serial Nos. 288,241-2; published Sept. 17, 1929. Class 6.

Lazenby, Rhoda M., doing business as Texatoni Company, Dallas, Tex. Maltless beverages and syrups, extracts, concentrates, and compounds for making the same. 264,472; Nov. 26; Serial No. 287,351; published Sept. 17, 1929. Class 45.

Lee & Cady, Detroit, Mich. Coffee. 264,456; Nov. 26; Serial No. 288,384; published Sept. 17, 1929. Class 46.

Lee, Geo. H., Co., Omaha, Neb. Capsules. 264,624; Nov. 26; Serial No. 288,384; published Sept. 17, 1929. Class 46.

Levinson, Morris, & Sons, New York, N. Y. Hosiery, underwear, etc. 264,410; Nov. 26; Serial No. 284,577; published Sept. 10, 1929. Class 39.

Lewis Manufacturing Company. (See Kendall Company, The.)

Lew-Mar Products Company, New York, N. Y. Rubbler goods. 264,476; Nov. 26; Serial No. 283,284; published Sept. 10, 1929. Class 39.

Lights, Claude Neon, Inc., New York, N. Y. Periodical. 264,448-9; Nov. 26; Serial Nos. 286,562-3; published Sept. 10, 1929. Class 38.

Lloyd, W. H. S., Company, New York, N. Y. Wall paper. 264,580; Nov. 26; Serial No. 287,760; published Sept. 10, 1929. Class 37.

Locke Insulator Corporation, Baltimore, Md. Insulator-supporting pins. 264,638; Nov. 26; Serial No. 288,078; published Sept. 17, 1929. Class 21.

Lockwood Greene Engineers Inc., Boston, Mass. Magazine and house organ. 264,333; Nov. 26; Serial No. 281,218; published Sept. 3, 1929. Class 38.

Loewendahl, Walther, Shoe Co., Inc., New York, N. Y. Women's sandals. 264,587; Nov. 26; Serial No. 287,386; published Sept. 10, 1929. Class 39.

Lovell's Antenna, Inc., Bath, N. Y. Radio antenna. 264,409; Nov. 26; Serial No. 277,250; published Sept. 3, 1929. Class 21.

Luther, P. H., Los Angeles, Calif. Ladies' and misses' hats. 264,369; Nov. 26; Serial No. 287,135; published Sept. 10, 1929. Class 39.

Lynn Products Co., Lynn, Mass. Reflecting radiating heaters. 264,533; Nov. 26; Serial No. 285,683; published Sept. 3, 1929. Class 21.

Mac Blade Works. (See MacNair, Hugh S.)

MacNair, George E., Chester, Pa. Liquid composition used as a lubricant in cutting pipe threads, dies, etc. 264,483; Nov. 26; Serial No. 286,889; published Sept. 17, 1929. Class 15.

MacNair, Hugh S., doing business as Mac Blade Works, Fremont, Ohio. Razor blades. 264,457; Nov. 26; Serial No. 288,283; published Sept. 17, 1929. Class 23.

Magnetic Water Company. (See Hardway, Roy.)

Mandalian, Sabatelli G., doing business as Mandalian Manufacturing Company, North Attleboro, Mass. Mesh bags and purses and the constituent parts of the same. 264,401; Nov. 26; Serial No. 287,882; published Sept. 10, 1929. Class 3.

Manhattan Soap Company, Inc., New York, N. Y. Soaps. 264,599; Nov. 26; Serial No. 285,030; published Sept. 17, 1929. Class 4.

Matsuoka, Atow, San Francisco, Calif. Necklaces, bracelets, and other jewelry. 264,535; Nov. 26; Serial No. 285,363; published Sept. 3, 1929. Class 28.

May, Dr. James B., Port Gibson, Miss. Genito-urinary tonics. 264,551; Nov. 26; Serial No. 286,727; published Sept. 10, 1929. Class 6.

Mazer Brothers, New York, N. Y. Strings and necklaces of artificial pearls. 264,492-3; Nov. 26; Serial Nos. 286,186-7; published Sept. 17, 1929. Class 28.

McKesson & Robbins, Incorporated, Bridgeport, Conn. Throat pastils. 264,347; Nov. 26; Serial No. 288,345; published Sept. 17, 1929. Class 6.

McLaughlin, David W., Grand Rapids, Mich. Magazine. 264,576; Nov. 26; Serial No. 286,946; published Sept. 3, 1929. Class 38.

McLaurin-Jones Co., Brookfield, Mass. Gummed paper. 264,512; Nov. 26; Serial No. 283,462; published Sept. 3, 1929. Class 37.

Mead Cycle Company, Chicago, Ill. Radio receiving sets. 264,482; Nov. 26; Serial No. 286,890; published Sept. 17, 1929. Class 21.

Millburn Chemical Co., Inc., Millburn, N. J. Deodorizing disinfecting, cleaning, and chemical compound. 264,329; Nov. 26; Serial No. 279,055; published Sept. 17, 1929. Class 4.

Miller, Arthur B., Seattle, Wash. Piano accordions, cornets, trumpets, etc. 264,466-7; Nov. 26; Serial Nos. 286,490-7; published Sept. 17, 1929. Class 36.

Miller, Arthur B., Seattle, Wash. Accordions, accordion stands, clarinets, etc. 264,625; Nov. 26; Serial No. 286,490-7; published Sept. 17, 1929. Class 36.

Miller, Daniel H., doing business as Riverside Drug Co., Fort Worth, Tex. Capsules for treating troubles of the liver, etc. 264,553; Nov. 26; Serial No. 286,499; published Sept. 10, 1929. Class 6.

Miller, L. & Sons, Inc., New York and Long Island City, N. Y. Shoes. 264,536; Nov. 26; Serial No. 287,763; published Sept. 10, 1929. Class 39.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. 264,440; Nov. 26; Serial No. 286,891; published Sept. 17, 1929. Class 46.

Mirex Manufacturing Corporation, New York, N. Y. Pivoted mirrors. 264,322; Nov. 26; Serial No. 283,619; published Sept. 17, 1929. Class 32.

Montgomery, William, Detroit, Mich. Salvo. 264,348; Nov. 26; Serial No. 288,389; published Sept. 17, 1929. Class 6.

More & Evans, Chicago, Ill. Publications. 264,375; Nov. 26; Serial No. 284,178; published Sept. 10, 1929. Class 38.

Moore Pen Company, The, Boston, Mass. Fountain pens. 264,569; Nov. 26; Serial No. 287,540; published Sept. 10, 1929. Class 37.

Morgan's Clothes, Inc., New York, N. Y. Suits, overcoats, topcoats, sports suits, and trousers. 264,620; Nov. 26; Serial No. 288,389; published Sept. 17, 1929. Class 39.

Mosso, C. A., Laboratories, Chicago, Ill. Dressing for wounds and liniment. 264,300; Nov. 26; Serial No. 287,833; published Sept. 10, 1929. Class 6.

Mühlens, Peter, doing business as Eau de Cologne & Parfumerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mühlens, Cologne-on-the-Rhine, Germany. Soaps. 264,438; Nov. 26; Serial No. 288,024; published Sept. 10, 1929. Class 4.

Narco Drug Company, Inc., St. Louis, Mo. Druggists' sundries. 264,606; Nov. 26; Serial No. 284,623; published Sept. 17, 1929. Class 44.

National Better Business Bureau, Inc., New York, N. Y. Publications and printed bulletins. 264,595; Nov. 26; Serial No. 285,588; published Sept. 3, 1929. Class 38.

National Blacut Company, New York, N. Y. House publication. 264,402; Nov. 26; Serial No. 283,463; published Sept. 3, 1929. Class 38.

National Committee on Correct Style, Inc., The, Chicago, Ill. Women's hats. 264,344; Nov. 26; Serial No. 281,124; published Sept. 10, 1929. Class 39.

National Committee on Correct Style, Inc., The, Chicago, Ill. Women's hats. 264,377; Nov. 26; Serial No. 281,326; published Sept. 10, 1929. Class 39.

National Committee on Correct Style, Inc., The, Chicago, Ill. Women's hats. 264,378-9; Nov. 26; Serial Nos. 281,125-6; published Sept. 10, 1929. Class 39.

National Committee on Correct Style, Inc., The, Chicago, Ill. Women's hats. 264,380-2; Nov. 26; Serial Nos. 281,130-2; published Sept. 10, 1929. Class 39.

National Electro Hydrothermal Corporation, The, Cincinnati, Ohio. Electric immersion heaters. 264,321; Nov. 26; Serial No. 288,083; published Sept. 17, 1929. Class 44.

National Gary Corporation, New York, N. Y. Hair nets. 264,349; Nov. 26; Serial No. 288,507; published Sept. 17, 1929. Class 42.

National Gary Corporation, New York, N. Y. Hair nets. 264,350; Nov. 26; Serial No. 288,511; published Sept. 17, 1929. Class 42.

National Grép Fruit Company, Oaklawn, Ill. Beverages and syrups for making the same. 264,335; Nov. 26; Serial No. 282,193; published Sept. 17, 1929. Class 45.

National Moth-Proofing Service, Chicago, Ill. Mothproofing and repellent chemical. 264,352; Nov. 26; Serial No. 287,712; published Sept. 10, 1929. Class 6.

Naugatuck Chemical Company, The, New York, N. Y. Adhesives. 264,339; Nov. 26; Serial No. 286,189; published Sept. 10, 1929. Class 5.

Neustadter Bros., San Francisco, Calif. Hosiery. 264,635; Nov. 26; Serial No. 286,258; published Sept. 17, 1929. Class 46.

Newport Fish Co., Newport, Oreg. Canned fish. 264,428; Nov. 26; Serial No. 286,258; published Sept. 17, 1929. Class 46.

Newspaper Feature Service, Inc., New York, N. Y. Newspaper cartoons. 264,573; Nov. 26; Serial No. 286,999; published Sept. 3, 1929. Class 35.

North Shore Publishing Company, Evanston, Ill. Periodical. 264,323; Nov. 26; Serial No. 284,040; published Sept. 17, 1929. Class 38.

Norwich Pharmacal Company, The, Norwich, N. Y. Medicinal preparations. 264,505; Nov. 26; Serial No. 277,814; published Sept. 17, 1929. Class 6.

Nutradlet Co., The, San Francisco, Calif. Breakfast cereals. 264,611; Nov. 26; Serial No. 279,872; published Sept. 10, 1929. Class 46.

Nutradlet Co., The, San Francisco, Calif. Breakfast cereals. 264,612; Nov. 26; Serial No. 279,870; published Sept. 10, 1929. Class 46.

Nutradlet Co., The, San Francisco, Calif. Breakfast cereals. 264,613; Nov. 26; Serial No. 279,867; published Sept. 10, 1929. Class 46.

Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Women's children's, and misses' hats. 264,372; Nov. 26; Serial No. 269,601; published Sept. 10, 1929. Class 39.

Old Colony Envelope Company, Westfield, Mass. Announcement cards and mailing envelopes. 264,528; Nov. 26; Serial No. 287,002; published Sept. 10, 1929. Class 37.

Omi Products Inc., Brooklyn, N. Y. Polishes and wood-work cleaner. 264,334; Nov. 26; Serial No. 288,211; published Sept. 3, 1929. Class 4.

Oneida Community, Limited, Oneida, N. Y. Silver flatware. 264,403; Nov. 26; Serial No. 281,518; published Sept. 3, 1929. Class 28.

Optische Werke G. Rodenstock, Munich, Germany. Opera glasses and field glasses. 264,436; Nov. 26; Serial No. 285,168; published Sept. 17, 1929. Class 26.

Order of Railway Conductors of America, Cedar Rapids, Iowa. Periodical. 264,572; Nov. 26; Serial No. 287,003; published Sept. 17, 1929. Class 38.

Osmos Company of America, Boston, Mass. Chemical compound. 264,437; Nov. 26; Serial No. 288,032; published Sept. 17, 1929. Class 4.

Panco Rubber Company, Chelsea, Mass. Rubber taps or soles. 264,538; Nov. 26; Serial No. 287,309; published Sept. 17, 1929. Class 39.

Panther Rubber Manufacturing Company, Stoughton, Mass. Rubber heels. 264,540; Nov. 26; Serial No. 287,089; published Sept. 17, 1929. Class 39.

Papageorge, Demetrios, doing business as Chicago Candy Novelty Company, Not Inc., Chicago, Ill. Candles. 264,420; Nov. 26; Serial No. 286,450; published Sept. 17, 1929. Class 46.

Parker Brothers Inc., Portland, Me., and Salem, Mass. Board game. 264,305; Nov. 26; Serial No. 288,034; published Sept. 17, 1929. Class 22.

Penney, J. C. Company, Wilmington, Del., and New York, N. Y. Ready-to-wear hats. 264,542; Nov. 26; Serial No. 286,806; published Sept. 17, 1929. Class 39.

Pennroll Company, The, Los Angeles, Calif., and Oil City, Pa. Fuel oils. 264,408; Nov. 26; Serial No. 278,014; published Sept. 17, 1929. Class 15.

Pep Boys—Manny, Moe & Jack, The, doing business as Varsity Products Co., Philadelphia, Pa. Gasket cement. 264,342; Nov. 26; Serial No. 286,711; published Sept. 17, 1929. Class 5.

Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Auto top dressings, auto soap, etc. 264,582; Nov. 26; Serial No. 286,713; published Sept. 10, 1929. Class 4.

Pfandler Co., The, Rochester, N. Y. House magazine. 264,458; Nov. 26; Serial No. 288,085; published Sept. 10, 1929. Class 38.

Pharmazeutische Industrie A. G., Vienna, Austria. Medicated blood-stopping gauze, wadding, and bandage gauze. 264,507; Nov. 26; Serial No. 277,252; published Sept. 10, 1929. Class 6.

Phillips, Frank, Hammond, Ind. Paint and hand cleaner. 264,586; Nov. 26; Serial No. 286,180; published Sept. 3, 1929. Class 4.

Phillips, Leo F., doing business as Leo F. Phillips Co., New York, N. Y. Articles of jewelry and hand bags and purses. 264,497-8; Nov. 26; Serial Nos. 285,934-5; published Sept. 17, 1929. Class 28.

Phillips Petroleum Company, Bartlesville, Okla. Gasolines. 264,419; Nov. 26; Serial No. 282,525; published Sept. 17, 1929. Class 15.

Pierson, Susanna, doing business as Mrs. J. S. Pierson, Oilton, Okla. Preparation for treating colds and coughs. 264,346; Nov. 26; Serial No. 288,308; published Sept. 17, 1929. Class 6.

Pike Manufacturing Company, The, now by change of name to Pike Manufacturing Company, Pike, N. H. Abrasives and abrasive powder. 264,332; Nov. 26; Serial No. 279,811; published Sept. 10, 1929. Class 4.

Pittsburgh Shovel Company, The, Pittsburgh, Pa. Shovels, spades, and scoops. 264,435; Nov. 26; Serial No. 285,169; published Sept. 17, 1929. Class 23.

Plastics Publications, Inc., New York, N. Y. Periodical. 264,444; Nov. 26; Serial No. 287,591; published Sept. 10, 1929. Class 38.

Plastics Publications, Inc., New York, N. Y. Periodical. 264,567; Nov. 26; Serial No. 287,592; published Sept. 10, 1929. Class 38.

Po-Ho Sanitäts-Werk Hamburg Otto Joh. Jul. Witt & Söhne, Hamburg, Germany. Chemicals, medicines, and pharmaceutical preparations. 264,316; Nov. 26; Serial No. 275,239; published Sept. 10, 1929. Class 6.

Po-Ho Sanitäts-Werk Hamburg Otto Joh. Jul. Witt & Söhne, Hamburg, Germany. Chemical products. 264,376; Nov. 26; Serial No. 263,281; published Sept. 10, 1929. Class 6.

Popcorn Cheese Company, Inc., Burlington, Vt. Cheese. 264,603; Nov. 26; Serial No. 284,953; published Sept. 3, 1929. Class 46.

Pool Mfg. Co., Sherman, Tex. Cotton cloth. 264,622; Nov. 26; Serial No. 287,004; published Sept. 17, 1929. Class 42.

Powell, Robert R., White Plains, N. Y. Recording pads or loose sheets. 264,509; Nov. 26; Serial No. 284,419; published Sept. 3, 1929. Class 37.

Prager Co., Inc., The, Brooklyn, N. Y. Wall paper. 264,566; Nov. 26; Serial No. 287,003; published Sept. 17, 1929. Class 37.

Pressier, Georges W., New York, N. Y. Trade paper. 264,434; Nov. 26; Serial No. 285,501; published Sept. 10, 1929. Class 38.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 264,368; Nov. 26; Serial No. 265,448; published Sept. 10, 1929. Class 4.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils, lubricating oils, etc. 264,485; Nov. 26; Serial No. 286,588; published Sept. 17, 1929. Class 15.

Rainized Process Ltd., New York, N. Y. Overalls, sport skirts, comfort slippers, etc. 264,479; Nov. 26; Serial No. 280,276; published Sept. 17, 1929. Class 39.

Randall, Ralph B., Seattle, Wash. Insecticide. 264,502; Nov. 26; Serial No. 284,078; published Sept. 10, 1929. Class 6.

Reed, F. E., Glass Co., Rochester, N. Y. Empty glass bottles. 264,384; Nov. 26; Serial No. 270,781; published Sept. 17, 1929. Class 33.

Refinery Supply Company, The, Tulsa, Okla. Instruments for the measurement of the density of various gases, etc. 264,431; Nov. 26; Serial No. 285,937; published Sept. 17, 1929. Class 26.

Regal Paper Company, Incorporated, Pulaski, N. Y. Toilet paper and white crepe napkins. 264,471; Nov. 26; Serial No. 287,496; published Sept. 17, 1929. Class 37.

Re-refining Products Corporation, Washington, D. C. Dry mixture of chemical compounds. 264,361; Nov. 26; Serial No. 288,247; published Sept. 17, 1929. Class 6.

Ritz Chemical Co. (See Huebichman, Hyman.)

Riverside Drug Co. (See Miller, Daniel H.)

Robinson Milling Co., The, Salina, Kans. Wheat flour. 264,307; Nov. 26; Serial No. 287,044; published Sept. 10, 1929. Class 46.

Rogers, Lee, Company, Chicago, Ill. Blank forms. 264,564; Nov. 26; Serial No. 287,619; published Sept. 17, 1929. Class 37.

Rogers, Lee, Company, Chicago, Ill. Blank forms. 264,565; Nov. 26; Serial No. 287,617; published Sept. 17, 1929. Class 37.

Rosenthal, E. M., Jewelry Company, Washington, D. C. Finger rings. 264,495; Nov. 26; Serial No. 286,131; published Sept. 3, 1929. Class 28.

Rutherford & Hood, San Francisco, Calif. Mattresses. 264,468; Nov. 26; Serial No. 287,407; published Sept. 17, 1929. Class 32.

Sapirt, Paul, New York, N. Y. Soaps. 264,583; Nov. 26; Serial No. 286,514; published Sept. 3, 1929. Class 4.

Scher, Morris M., Baltimore, Md. Wool suiting in the piece for men's wear. 264,503; Nov. 26; Serial No. 283,702; published Sept. 10, 1929. Class 42.

Schlicht, Georg, A. G., Aussig, Czechoslovakia. Soap and washing powder. 264,330; Nov. 26; Serial No. 279,387; published Sept. 3, 1929. Class 4.

Schlicht, Georg, A. G., Aussig, Czechoslovakia. Soap and washing powder. 264,331; Nov. 26; Serial No. 279,392; published Sept. 3, 1929. Class 4.

Schluben, Fred, Sellersville, Pa. Canned sweet krait. 264,430; Nov. 26; Serial No. 285,989; published Sept. 17, 1929. Class 46.

Scott, Charles D., doing business as Formozome Chemical Co., Trenton, N. J. Antiseptic wafers. 264,356; Nov. 26; Serial No. 287,800; published Sept. 10, 1929. Class 6.

Scott Paper Company, Chester, Pa. Paper towels, table covers, napkins, etc. 264,511; Nov. 26; Serial No. 283,599; published Sept. 17, 1929. Class 37.

Scott's. (See Fevola, Frank.)

Seaman Paper Company, Chicago, Ill. Rotogravure papers, printing, writing, etc., papers. 264,521; Nov. 26; Serial No. 287,369; published Sept. 10, 1929. Class 37.

Seaman Paper Company, Chicago, Ill. Rotogravure papers, printing, writing, book, and cover papers and offset papers. 264,522; Nov. 26; Serial No. 287,367; published Sept. 10, 1929. Class 37.

Seaman Paper Company, Chicago, Ill. Rotogravure papers, printing, writing, book, and cover papers. 264,523; Nov. 26; Serial No. 287,365; published Sept. 10, 1929. Class 37.

Seaman Paper Company, Chicago, Ill. Papers. 264,524; Nov. 26; Serial No. 287,372; published Sept. 17, 1929. Class 37.

Seaman Paper Company, Chicago, Ill. Rotogravure, printing, writing, etc., papers. 264,525; Nov. 26; Serial No. 287,371; published Sept. 10, 1929. Class 37.

Sears & Nichols Corporation, The, doing business as The Sears & Nichols Canning Co., Chillicothe, Ohio. Canned vegetables, pork and beans, and baked beans. 264,392; Nov. 26; Serial No. 273,257; published Sept. 17, 1929. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Clarinets, cornets, drums, etc. 264,418; Nov. 26; Serial No. 283,142; published Sept. 3, 1929. Class 36.

Seco Leather Products Company, New York, N. Y. Leather novelties and leather goods. 264,452; Nov. 26; Serial No. 285,385; published Sept. 3, 1929. Class 3.

Service-Station Supply Company, Los Angeles, Calif. Batteries, electric-light bulbs, and spark plugs. 264,532; Nov. 26; Serial No. 285,694; published Sept. 3, 1929. Class 21.

Shulman, Max, doing business as Shulman Chemical Company, Philadelphia, Pa. Detergents. 264,385; Nov. 26; Serial No. 270,805; published Sept. 17, 1929. Class 6.

Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electrical machines. 264,311; Nov. 26; Serial No. 255,934; published Sept. 3, 1929. Class 21.

Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electrical machines, electrotechnical instruments and appliances, conductors, etc. 264,312; Nov. 26; Serial No. 255,934; published Sept. 3, 1929. Class 21.

Signal Protective Service Company, St. Louis, Mo. Burglar alarms and burglar-alarm equipment and switch locks. 264,406; Nov. 26; Serial No. 280,087; published Sept. 17, 1929. Class 21.

Simmons Manufacturing Company, The, Cleveland, Ohio. Engine mufflers. 264,444; Nov. 26; Serial No. 287,317; published Sept. 17, 1929. Class 23.

Shulman Refining Company, New York, N. Y. Liquid soap. 264,584; Nov. 26; Serial No. 285,793; published Sept. 3, 1929. Class 4.

Slayton-Leary, Inc., Boston, Mass. Publications. 264,543; Nov. 26; Serial No. 287,626; published Sept. 10, 1929. Class 38.

Smith-Ernest Laboratories, Inc., New York, N. Y. Insecticides, chemical compounds, and odorizers. 264,501; Nov. 26; Serial No. 284,088; published Sept. 17, 1929. Class 6.

Smythson, Frank, Ltd., London, England. Diaries. 264,591; Nov. 26; Serial No. 286,211; published Sept. 3, 1929. Class 37.

Southern Druglist Publishing Co., Inc., New Orleans, La. Magazine. 264,577; Nov. 26; Serial No. 286,903; published Sept. 3, 1929. Class 38.

Southgate Brokerage Co., Inc., Norfolk, Va. Canned fruits, vegetables, mackerel, etc. 264,632; Nov. 26; Serial No. 286,903; published Sept. 3, 1929. Class 46.

Star Bottling Works. (See Berman, Daniel.)

Star Expansion Bolt Company, New York, N. Y. Masonry drills. 264,317; Nov. 26; Serial No. 275,511; published Sept. 17, 1929. Class 23.

Starr Piano Company, The, Richmond, Ind. Pianos. 264,489; Nov. 26; Serial No. 286,282; published Sept. 3, 1929. Class 36.

Steen, Arminius G., doing business as The Glysteens Company, Elmira, N. Y. Hand lotions. 264,506; Nov. 26; Serial No. 277,778; published Sept. 17, 1929. Class 6.

Steinmetz, Karl M., doing business as K. S. Products Co., Philadelphia, Pa. Oil. 264,416; Nov. 26; Serial No. 283,355; published Aug. 27, 1929. Class 15.

Sterling Piano Corporation, now by change of name Sterling, Inc., Brooklyn, N. Y. Talking machines. 264,573; Nov. 26; Serial No. 269,612; published Sept. 3, 1929. Class 36.

Stern-Auer Company, The, Cincinnati, Ohio. Shoes. 264,548; Nov. 26; Serial No. 285,837; published Sept. 10, 1929. Class 39.

Stern Brothers, New York, N. Y. Travelling bags, leather hatboxes, suitcases, etc. 264,455; Nov. 26; Serial No. 285,117; published Sept. 3, 1929. Class 3.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 264,539; Nov. 26; Serial No. 287,211; published Sept. 10, 1929. Class 39.

Stowe & Woodward Company, Newton Upper Falls, Mass. Billiard cushions. 264,394; Nov. 26; Serial No. 288,289; published Sept. 17, 1929. Class 22.

Strathmore Paper Company, Miltineague, Mass. Paper-teries, Bristol board, paper, etc. 264,527; Nov. 26; Serial No. 287,025; published Sept. 10, 1929. Class 37.

Strathmore Paper Company, Miltineague, Mass. Paper-teries, Bristol board, paper and cards, and mailing envelopes. 264,555; Nov. 26; Serial No. 288,040; published Sept. 10, 1929. Class 37.

Sunset Petroleum Corporation, Los Angeles, Calif. Petroleum products. 264,412; Nov. 26; Serial No. 284,502; published Sept. 3, 1929. Class 15.

Superior Zinc Corporation, Philadelphia, Pa. Slab zinc and zinc dust. 264,621; Nov. 26. Class 14.

Taylor-Atkins Paper Company, The, Burnside, Conn. Boxed stationery. 264,513; Nov. 26; Serial No. 283,151; published Sept. 10, 1929. Class 37.

Tea Garden Products Co., San Francisco, Calif. Table syrup, preserves, honey, etc. 264,357; Nov. 26; Serial No. 270,895; published Nov. 27, 1928. Class 46.

Teratoni Company. (See Lazenby, Rhoda M.)

Trade and Travel, Inc., Los Angeles, Calif. Coupons. 264,587-8; Nov. 26; Serial Nos. 286,080-7; published Sept. 3, 1929. Class 38.

Trans-Mississippi Banker Publishing Co., Kansas City, Mo. Financial publication. 264,597; Nov. 26; Serial No. 285,236; published Sept. 3, 1929. Class 38.

Turner, Fred, Dallas, Tex. Fried pies. 264,453; Nov. 26; Serial No. 285,310; published Sept. 3, 1929. Class 46.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils, waxes, and greases. 264,371; Nov. 26; Serial No. 268,718; published Sept. 18, 1928. Class 15.

United Association of Journeymen Plumbers and Steam Fitters of the United States and Canada, Washington, D. C. Periodical. 264,558; Nov. 26; Serial No. 287,665; published Sept. 10, 1929. Class 38.

United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Footholds. 264,383; Nov. 26; Serial No. 270,268; published Sept. 10, 1929. Class 39.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Paper towels. 264,470; Nov. 26; Serial No. 287,510; published Sept. 10, 1929. Class 37.

Universal Mills, Fort Worth, Tex. Food for poultry and livestock. 264,341; Nov. 26; Serial No. 286,523; published Sept. 3, 1929. Class 46.

Utica Cutlery Company, Utica, N. Y. Knives. 264,623; Nov. 26. Class 23.

Val Blatz Brewing Company, Milwaukee, Wis. Malt beverages. 264,427; Nov. 26; Serial No. 286,347; published Sept. 17, 1929. Class 48.

Vanillin-Fabrik Gesellschaft mit beschränkter Haftung, Hamburg-Billbrook, Germany. Perfumes, artificial perfume essences, and cedar-wood oil. 264,504; Nov. 26; Serial No. 282,960; published Sept. 10, 1929. Class 6.

Varsity Products Co. (See Pep Boys—Manny, Moe & Jack, The.)

Ved, Obertino & Figlie, Turin, Italy. Machines for preparing coffee, parts and accessories therefor, coffee grinders, whips for bars and other uses. 264,367; Nov. 26; Serial No. 284,901; published Sept. 17, 1929. Class 23.

Wagner, John, & Sons, Philadelphia, Pa. Olive oil. 264,609; Nov. 26; Serial No. 283,475; published Sept. 10, 1929. Class 46.

Wallace, F. A., Hollidays Cove, W. Va. Liquid preparation. 264,362; Nov. 26; Serial No. 288,258; published Sept. 17, 1929. Class 6.

Warner Stutler Company Incorporated, Washington, D. C. Refined lubricating oil. 264,488; Nov. 26; Serial No. 286,349; published Sept. 3, 1929. Class 15.

Weidlich Bros. Mfg. Co., The, Bridgeport, Conn. Salt and pepper sets. 264,637; Nov. 26. Class 28.

Western Tablet Stationery Corporation, Dayton, Ohio. Tablets and blank books. 264,561; Nov. 26; Serial No. 287,684; published Sept. 10, 1929. Class 37.

Wetzel Market Bureau Inc., New York, N. Y. Publications. 264,440; Nov. 26; Serial No. 287,433; published Sept. 3, 1929. Class 38.

Wheary Trunk Company, Racine, Wis. Wardrobe trunks and cases. 264,608; Nov. 26; Serial No. 283,375; published Sept. 3, 1929. Class 3.

Whitman & Barnes, Inc., Detroit, Mich. Arbors, bits, center reamers, etc. 264,309; Nov. 26; Serial No. 284,710; published Sept. 17, 1929. Class 23.

Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 264,414-5; Nov. 26; Serial Nos. 283,826-7; published Aug. 27, 1929. Class 15.

Wright, Layman & Umney, Limited, London, England. Perfumed soap. 264,589; Nov. 26; Serial No. 285,956; published Sept. 3, 1929. Class 4.

Wyoming Valley Paper Mill, Northumberland, N. H., and New York, N. Y. Toilet paper. 264,515-17; Nov. 26; Serial Nos. 279,588-5; published Sept. 10, 1929. Class 37.

Yogi Company, Inc., New Orleans, La. Salve. 264,552; Nov. 26; Serial No. 286,704; published Sept. 10, 1929. Class 6.

Zarne Shoe Corporation, Milwaukee, Wis. Shoes, ox-fords, gaiters, etc. 264,473; Nov. 26; Serial No. 284,152; published Sept. 10, 1929. Class 39.

Zatarain, E. A., & Sons, Incorporated, New Orleans, La. Syrups, extracts, and cordials. 264,401; Nov. 26; Serial No. 279,516; published Sept. 17, 1929. Class 45.

Zimmerman, H. G., Company, Chicago, Ill. Radio receiving and transmitting sets and parts thereof, electric batteries, etc. 264,404; Nov. 26; Serial No. 281,469; published Aug. 27, 1929. Class 21.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

- Agneau Laboratories. (See Lamb, Dr. H. W.)
 Albers Bros. Milling Co., San Francisco, Calif. Hi-Tone. For Birdseed. 36,669; Nov. 26.
 Bedford Johnson Company, Inc., New York, N. Y. McMillan All-Wools. For Men's Trousers. 36,670; Nov. 26.
 Bedford Johnson Company, Inc., New York, N. Y. Elephant Seat. For Men's Trousers. 36,671; Nov. 26.
 Blum De Luxe Cigar Co., Inc., New York, N. Y. New Yorker. For Cigars. 36,672; Nov. 26.
 Burton-Dixie Corporation, Chicago, Ill. Restwell Spring Units for the Rest of Your Life. For Spring Cushions. 36,673; Nov. 26.
 Callisons, Incorporated, Shelton and Aberdeen, Wash. Callisons Robin Hood Evergreens. For Evergreens. 36,674; Nov. 26.
 Colgate-Palmolive-Peet Company, Chicago, Ill. Colgate's Ribbon Dental Cream. For Dental Cream. 36,675; Nov. 26.
 Comet Candy Company. (See Dickinson, Doris.)
 Dickinson, Doris, doing business as Comet Candy Company, Los Angeles, Calif. Zep. For Candy Bar. 36,676; Nov. 26.
 Drug Products Co., Inc., The, Long Island City, N. Y. Neslin Ointment. For Medicinal Preparation. 36,677; Nov. 26.
 General Laboratories, Inc., Madison, Wis. 1 Gallon Hypochlorite Concentrated Sodium Hypochlorite. For Sodium Hypochlorite Fluid. 36,678; Nov. 26.
 Genovesi Bros., Zappelli & Co., San Jose, Calif. Lucan. For Olive Oil. 36,679; Nov. 26.
 Hills Brothers Company, The, New York, N. Y. Dromedary Pimientos. For Pimientos. 36,680; Nov. 26.
 Johnston, R. F., Paint Company, The, Cincinnati, Ohio. U-Ad-Oil. For Paint in Paste Form. 36,681; Nov. 26.
 Joslyn, Carl W., doing business as Joslyn Fruit Co., Delta, Colo. Colorado Joslyn. For Fresh Apples. 36,682; Nov. 26.
 Lamb, Dr. H. W., doing business as Agneau Laboratories, Vineland, N. J. Agneau Crème. For Face Cream. 36,683; Nov. 26.
 Mason Box Company, The, North Attleboro, Mass. Package of the Month. For Candy. 36,684; Nov. 26.
 Oakland Baking Co., Pontiac, Mich. Cream Top Bread. For Bread. 36,685; Nov. 26.
 Pacific Golf Ball, Ltd., San Francisco, Calif. Pacific Prince Golf Balls. For Golf Balls. 36,686; Nov. 26.
 Pacific Golf Ball, Ltd., San Francisco, Calif. Pacific Golf Balls. For Golf Balls. 36,687; Nov. 26.
 Peterson Nut Company, The, Cleveland, Ohio. Peterson's Salted Mixed Nuts. For Nuts. 36,688; Nov. 26.
- Peterson Nut Company, The, Cleveland, Ohio. Peterson's Salted Pecans. For Nuts. 36,689; Nov. 26.
 Peterson Nut Company, The, Cleveland, Ohio. Peterson's Salted Almonds. For Nuts. 36,690; Nov. 26.
 Philadelphia Malt Extract Company, Philadelphia, Pa. 18-K. For Barley-Malt Syrup. 36,691; Nov. 26.
 Physicians & Hospitals Supply Co., Inc., Minneapolis, Minn. Varitose. For Amponies of Solution for Treatment of Varicose Veins. 36,692; Nov. 26.
 Pool, Frank M., Inc., Fresno, Calif. Pool. For Fresh Grapes. 36,693; Nov. 26.
 Rainier Baking Company, Seattle, Wash. Carnation Bread. For Bread. 36,694; Nov. 26.
 Santa Maria Packing Corporation, Los Angeles, Calif. Santa Maria. For Ravioli. 36,695; Nov. 26.
 Skittone, John, doing business as Skittone Fruit Co., Modesto, Calif. Bald Eagle Ranch. For Fresh Grapes. 36,696; Nov. 26.
 Standard Oil Company of California, San Francisco, Calif., and Wilmington, Del. Standard Hand Separator Oil. For Lubricating Oil. 36,697; Nov. 26.
 Standard Oil Company of California, San Francisco, Calif., and Wilmington, Del. Calol Liquid Gloss. For Polish. 36,698; Nov. 26.
 Thompson, F. O., doing business as F. O. Thompson & Co., Brainerd, Minn. Klenzol. For Preparation for Cleaning Clothes. 36,699; Nov. 26.
 Trade Lithograph & Printing Company, Inc., New York, N. Y. Standard Headwear. For Caps. 36,700; Nov. 26.
 Trade Lithograph & Printing Company, Inc., New York, N. Y. Manhattan Tailored Caps. For Caps. 36,701; Nov. 26.
 Trade Lithograph & Printing Company, Inc., doing business as Trade Lithograph Co., Inc., New York, N. Y. Royal Flush Caps Royal Flush Hats. For Caps and Hats. 36,702; Nov. 26.
 Trade Lithograph & Printing Company, Inc., New York, N. Y. Royal Flush Caps. For Caps. 36,703; Nov. 26.
 Trade Lithograph & Printing Company, Inc., New York, N. Y. The Boy's Headwear Made by Dubois of New York. For Caps. 36,704; Nov. 26.
 Trade Lithograph & Printing Company, Inc., New York, N. Y. Planet Caps Cover The World. For Caps. 36,705; Nov. 26.
 Trauger Manufacturing Co., Inc., Scranton, Pa. Dead Shot. For Insecticide. 36,706; Nov. 26.
 Western Electric Company, Incorporated, New York, N. Y. The Voice of Action. For Sound. 36,707; Nov. 26.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

- Dri-Cle Company, Chicago, Ill. Dri-Cle. Dawn of Successful Home Dry Cleaning. For Dri-Cle Soap Preparations Used in the Dry Cleaning of Garments and Materials. 12,223; Nov. 26.
 Forhan Company, New York, N. Y. When Twice Daily. For Tooth Paste. 12,224; Nov. 26.
 Forhan Company, New York, N. Y. Who Everybody. For Tooth Paste. 12,225; Nov. 26.
 Forhan Company, New York, N. Y. Use Forhan's Antiseptic. For Mouth Wash. 12,226; Nov. 26.
 Heintz, George W., Hamilton, Ohio. Oakland Farm Greyhounds. For Greyhounds. 12,227; Nov. 26.
 Jackson Brewing Company, New Orleans, La. Jax. For Lager Brew. 12,228; Nov. 26.
 Nashua Manufacturing Company, Nashua, N. H. Here's a New Color Note in Nashua Part Wool Blankets. For Blankets. 12,229; Nov. 26.
- Nashua Manufacturing Company, Nashua, N. H. What Color Dominates Your Room. For Blankets. 12,230; Nov. 26.
 Nashua Manufacturing Company, Nashua, N. H. Color for the Bedroom. For Blankets. 12,231; Nov. 26.
 Paramount Distributors, Chicago, Ill. Guaranteed Indestructible. For Imitation Pearls. 12,232; Nov. 26.
 Pauley, Roy, doing business as Tab Products Co., Schenectady, N. Y. Make a Point to Keep Tab on Your Breath. For Medicated Tablet. 12,233; Nov. 26.
 Purox Company, Denver, Colo. Metal Master. For Welding and Cutting Equipment and Supplies. 12,234; Nov. 26.
 Reid, Murdoch & Co., Chicago, Ill. The Monarch Way. For Groceries. 12,235; Nov. 26.
 Sonatron Tube Company, Chicago, Ill. A Sonatron Life Test. For Radiotubes. 12,236; Nov. 26.
 Tab Products Co. (See Pauley, Roy.)

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

- Abbott Laboratories, North Chicago, Ill. Surgical dressing. 290,331; Nov. 26. Class 6.
 Acetex Safety Glass Limited, London, England. Shatter proof glass. 287,732; Nov. 26. Class 33.
 Alemitte Corporation. (See Bassick Manufacturing Company.)
 Allen, R. W., Inc., Sacramento, Calif., and Salt Lake City, Utah. Root beer and concentrates and syrups for making root beer. 289,331; Nov. 26. Class 45.
 Amazon Cotton Mills, Thomasville, N. C. Cotton yarns. 291,076; Nov. 26. Class 43.
 American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Sugar. 290,807; Nov. 26. Class 46.
- Anheuser-Busch, Incorporated, St. Louis, Mo. Malt tonic. 289,434; Nov. 26. Class 6.
 Apex Products Corporation, The, Chicago, Ill. Vapor treatment for coughs and colds. 291,198; Nov. 26. Class 6.
 Arden Box Toe Company, Watertown, Mass. Box toes for boots and shoes. 289,705; Nov. 26. Class 39.
 Arlette, Inc., Louisville, Ky. Hair-waving sachets. 290,393; Nov. 26. Class 44.
 Armstrong, A. J., Co., Inc., New York, N. Y. Ladies' misses', and children's knit underwear. 288,766; Nov. 26. Class 39.
 Aron, J., & Company, Inc., New York, N. Y. Green coffee. 289,957; Nov. 26. Class 46.

- Atkins, E. C., and Company, Indianapolis, Ind. Cutter blades. 288,832; Nov. 26. Class 23.
 Atwood, Francis L., doing business as Atwood Mfg. Co., Madison, Ind. Portable electric-driven polishing and mixing devices. 284,602; Nov. 26. Class 21.
 B. R. Malt Company. (See Rodman, B.)
 Bamberger, L., & Co., Newark, N. J. Toy aeroplanes, artificial bait, golf balls, etc. 290,297; Nov. 26. Class 22.
 Bassick Manufacturing Company, The, now by change to Alemitte Corporation, Chicago, Ill. Apparatus for applying and dispensing lubricant. 271,421; Nov. 26. Class 23.
 Becker, Bert, doing business as Frespuro Artesian Water Co., Los Angeles, Calif. Artesian water and ginger ale. 291,316; Nov. 26. Class 45.
 Bedford Johnson Co., Inc., New York, N. Y. Trousers. 290,874; Nov. 26. Class 39.
 Benmar Products Company, Los Angeles, Calif. Automobile polish. 291,079; Nov. 26. Class 16.
 Billards Magazine, Inc., Chicago, Ill. Publication. 289,870; Nov. 26. Class 38.
 Bird, Alfred, & Sons, Limited, Birmingham, England. Dessert powder. 290,539; Nov. 26. Class 40.
 Black, Clara, Tampa, Fla. Medicine for rheumatism, lumbago, neuritis, etc. 255,741; Nov. 26. Class 6.
 Blackwood Coal & Coke Company, Philadelphia, Pa. Coal. 289,565; Nov. 26. Class 1.
 Bloomfield, J., Co., Inc., New York, N. Y. Ladies' hats. 280,432; Nov. 26. Class 39.
 Blue Ribbon Distributing Corporation, New York, N. Y. Bouillon cubes. 286,300; Nov. 26. Class 46.
 Blue Seal Extract Company, Cambridge, Mass. Beverages, syrups, and extracts therefor. 288,269; Nov. 26. Class 45.
 Boissiere, J. E., & Co., Inc., New York, N. Y. Cheese. 290,446; Nov. 26. Class 46.
 Bonnet-Brown Corporation, The, Chicago, Ill. Charts concerning the lubrication of automobiles. 287,321; Nov. 26. Class 38.
 Bremahey & Co., Ohlms, Germany. Umbrella frames and umbrella parts. 280,102; Nov. 26. Class 41.
 Bromwell Wire Goods Company, Cincinnati, Ohio. Base-metal hand and range toasters, pots, etc. 273,359; Nov. 26. Class 13.
 Brown Company, Portland, Me., and Berlin, N. H. Paper. 255,590; Nov. 26. Class 37.
 Brown Company, Portland, Me., and Berlin, N. H. Paper. 256,241; Nov. 26. Class 37.
 Brown Durell Co., Boston, Mass., and New York, N. Y. Hosiery. 286,559; Nov. 26. Class 30.
 Bush & Lane Piano Company, Holland, Mich. Radio receiving sets. 289,871; Nov. 26. Class 21.
 Cameron, Frank A., Salt Lake City, Utah. Hair color restorer. 290,338; Nov. 26. Class 6.
 Carson, William J., Sacramento, Calif. Calendars in chart form. 289,573; Nov. 26. Class 38.
 Castro, John, Los Angeles, Calif. Fresh deciduous fruits, fresh vegetables. 290,452; Nov. 26. Class 46.
 Cheney Products Co. (See Faribault, Philip C.)
 Cheney Brothers, Hartford, Conn. Woven, knitted, netted, textile, and pile fabrics. 290,340; Nov. 26. Class 42.
 Chicago Flexible Shaft Company, Chicago, Ill. Electric percolators and electric lighters. 288,494; Nov. 26. Class 21.
 Clementson, C., & S. Malmo and Limhamn, Sweden. Lubrication oil. 287,175; Nov. 26. Class 15.
 Colledge, E. W., General Sales Agent, Inc., Jacksonville, Fla. Diluent and solvent for lacquers. 289,876; Nov. 26. Class 16.
 Collins Company, The, Collinsville, Conn. Axes, hatchets, saws, etc. 290,011; Nov. 26. Class 23.
 Colonial Products Co. (See Silberman, L. E.)
 Continental Carbon Corporation, Chicago, Ill. Typewriter accessory. 281,076; Nov. 26. Class 37.
 Coty, Inc., Wilmington, Del., and New York, N. Y. Soaps. 289,508; Nov. 26. Class 4.
 Coty, Inc., Wilmington, Del., and New York, N. Y. Lip sticks. 290,454; Nov. 26. Class 6.
 Cowap, Henry B., Evanston, Ill. Automobile signals. 283,834; Nov. 26. Class 23.
 Credit Clearing House Adjustment Corporation, The, New York, N. Y. Partially-printed forms. 289,819; Nov. 26. Class 37.
 Crescent Panel Company, Inc., The, Louisville, Ky. Panels and tops. 287,245; Nov. 26. Class 32.
 Curtis Chemical Company, Minneapolis, Minn. Water-softening compound. 288,549; Nov. 26. Class 6.
 David & Blum, Inc., New York, N. Y. Leather gloves. 288,588; Nov. 26. Class 39.
 Dellitz, Lena, Rochester, N. Y. Medical salve. 286,423; Nov. 26. Class 6.
 De Paoli Company, Inc., New York, N. Y. Composition-floored division strips. 288,419; Nov. 26. Class 12.
 Depyro Laboratories, Portland, Me. Mouth wash. 280,342; Nov. 26. Class 6.
 Derry-Made Products, Inc., Boston, Mass. Mattresses. 272,869; Nov. 26. Class 32.
 De Wase, George L., Evanville, Ind. Neckties. 290,001; Nov. 26. Class 39.
- Digestive Ferments Company, Detroit, Mich. Medicinal preparation. 290,889; Nov. 26. Class 6.
 Digestive Ferments Company, Detroit, Mich. Medicinal preparation. 290,920; Nov. 26. Class 6.
 Doctors Business Bureau, The. (See Slaughter, John A.)
 Dollfus-Mieg & Cie., Societe Anonyme, Mulhouse, France. Yarns, twists, and threads. 290,557-8; Nov. 26. Class 43.
 Drengwitz, Otto A., Jeannette, Pa. Toys and games. 291,081; Nov. 26. Class 22.
 Drive Company. (See Shinn, Lawrence D.)
 Drug Products Co., Inc., The, Long Island City, N. Y. Emollient for burns and as a surgical dressing. 291,157; Nov. 26. Class 6.
 Dupree Medical Company. (See Parodney, Abraham.)
 Durling, Paul L., doing business as Little Fairy Products Co., St. Louis, Mo. Liquid prepared and sold as a dry-cleansing compound. 285,663; Nov. 26. Class 4.
 Edgeworth Razor Blade Co., New York, N. Y. Razor blades. 290,059; Nov. 26. Class 23.
 Empire Box Corporation, Chicago, Ill. Paper bread trays. 288,322; Nov. 26. Class 2.
 Erie Railroad Company, New York, N. Y. Booklets, circulars, pamphlets. 280,834; Nov. 26. Class 38.
 Essex Rubber Company, Inc., Trenton, N. J. Soles and heels for boots and shoes. 287,340; Nov. 26. Class 39.
 Faribault, Philip C., doing business as Chemite Products Co., Brooklyn, N. Y. Washing powders. 279,648; Nov. 26. Class 4.
 Farrah, Mitty M., Worcester, Mass. Candy. 286,427; Nov. 26. Class 40.
 Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Vehicle tires and rubber tubes therefor. 290,213; Nov. 26. Class 35.
 Florin, Inc., Detroit, Mich. Preparation for treating the hair. 276,986; Nov. 26. Class 6.
 Flugelman, N., & Co., Inc., New York, N. Y. Goods in the piece. 291,385; Nov. 26. Class 42.
 Foot Form Shoe Shops, Inc., New York, N. Y. Shoes, boots, slippers, moccasins, etc. 290,945; Nov. 26. Class 39.
 Franklin Oil & Gas Company, The, Bedford, Ohio. Lubricating oil. 283,188; Nov. 26. Class 15.
 Fredkin, George, doing business as Metropolitan Polish Co., Los Angeles, Calif. Automobile and furniture polish. 290,568; Nov. 26. Class 16.
 Fresca & Robertazzi, New York, N. Y. Olive oil. 289,512; Nov. 26. Class 46.
 Frespuro Artesian Water Co. (See Becker, Bert.)
 Gale, Benjamin T., doing business as Mary T. Goldman Company, St. Paul, Minn., assignor to Monroe Chemical Company, Quincy, Ill. Hair dyes, hair-color restorers, etc. 288,372; Nov. 26. Class 6.
 General Mills, Inc., Minneapolis, Minn. Wheat flour. 287,062; Nov. 26. Class 46.
 Gillin, C. W., assignor to Hollywood Beauty Laboratories, Inc., Los Angeles, Calif. Dentifrices, face creams, skin lotions, perfumes, etc. 281,556; Nov. 26. Class 6.
 Goldman, Mary T., Company. (See Gale, Benjamin T.)
 Goodyear Tire & Rubber Company, The, Akron, Ohio. Soles and heels. 289,624; Nov. 26. Class 39.
 Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumatic and cushion tires, etc. 291,218; Nov. 26. Class 35.
 Grain Belt Mills Company, South St. Joseph, Mo. Sheep-feed. 291,159; Nov. 26. Class 46.
 Graves Company, The, Hammond, Ind. Sand-finish plaster. 290,250; Nov. 26. Class 1.
 Green Flash Corporation, Chicago, Ill. Hydraulic jacks. 285,513; Nov. 26. Class 23.
 Gribbon Company, Inc., New York, N. Y. Table napkins and table linens. 290,406; Nov. 26. Class 42.
 Gusher, Inc., The, Portland, Oreg. Flavoring powder. 283,116; Nov. 26. Class 45.
 Hamburger, Dr. Carl, Berlin, Germany. Medicinal preparations. 290,463; Nov. 26. Class 6.
 Hanan, Herbert W., doing business as Hanan & Son, Brooklyn, N. Y. Leather, cloth, and rubber boots, shoes, and slippers. 290,701; Nov. 26. Class 39.
 Harvey, Sidney M., Detroit, Mich. Compound used as a flux and sealing holes in metal. 288,120; Nov. 26. Class 6.
 Hasslinger, Charles A., doing business as Hasslinger's Battery Service, Baltimore, Md. Batteries. 289,187; Nov. 26. Class 21.
 Hat, J. B., Company, Inc., New York, N. Y. Hats. 290,514; Nov. 26. Class 39.
 Hawaiian Canneries Company, Ltd., Kapaa, Kauai, Hawaii. Canned sliced and crushed pineapple and pineapple juice. 288,805; Nov. 26. Class 46.
 Hill, Richard J., doing business as Hill Beverage Co., Los Angeles, Calif. Beverage. 290,126; Nov. 26. Class 45.
 Hinson Manufacturing Company, The, Waterloo, Iowa. Seat covers. 290,419; Nov. 26. Class 19.
 Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh citrus fruits. 286,567; Nov. 26. Class 46.
 Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh citrus fruits, orange marmalade, and orange juice. 286,568; Nov. 26. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1906, Sec. 6, as amended Mar. 2, 1907]

Hollywood Beauty Laboratories, Inc. (See Gillin, C. W., assignor.)
 Home Trade Shoe Store, Inc., Minneapolis, Minn. Shoes. 283,865; Nov. 26. Class 39.
 Home Trade Shoe Store, Inc., Minneapolis, Minn. Boots and shoes. 283,868; Nov. 26. Class 39.
 Horlick's, Inc., Seattle, Wash. Ice cream, pastries, and butter. 289,021; Nov. 26. Class 46.
 Hotel Credit Letter Company, New York, N. Y. Bulletins. 262,222; Nov. 26. Class 37.
 Houston Textile Mills, Houston Tex. Wiper cloths and towels. 289,354; Nov. 26. Class 42.
 Hover and Veltman, Long Beach, Calif. Frozen confection. 289,189; Nov. 26. Class 46.
 Hylton Flour Mills, Inc., doing business as Phoenix Mill Company, Ogden, Utah. Self-rising flour. 290,128; Nov. 26. Class 46.
 I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Photographic films. 277,756; Nov. 26. Class 26.
 International Perfume Company, Inc., New York, N. Y. Compact powder and rouge. 289,746; Nov. 26. Class 6.
 International Tool Company, Inc., Lincoln, Neb. Combination hoes and rakes. 290,129; Nov. 26. Class 23.
 Iso Gesellschaft m. b. H., Frankfurt-on-the-Main, Germany. Class ampullas. 288,808; Nov. 26. Class 33.
 Jenkins, R. C., doing business as Lake Geneva Drug Co. and Orange Cross Laboratory, Lake Geneva, Fla. Tonic and a chloroform liniment. 284,679; Nov. 26. Class 6.
 Joal Hats, Inc., Chicago, Ill. Hats. 290,838; Nov. 26. Class 39.
 Johannes Corporation, Los Angeles, Calif. Prepared mustard. 290,413; Nov. 26. Class 46.
 Johnson Motor Company, Waukegan, Ill. Internal-combustion engines. 290,414; Nov. 26. Class 23.
 Jonas, Joseph A., doing business as J. A. Jonas Shoe Co., Haverhill, Mass., and Manchester, N. H. Shoes. 290,753; Nov. 26. Class 39.
 Julian Drug Company, Paterson, N. J. Medicinal preparation. 289,935; Nov. 26. Class 6.
 Karlson's-Klister Co., Inc., Rockford, Ill. Preparation for stopping runs in hosiery. 288,853; Nov. 26. Class 6.
 Katz, Samuel, doing business as Pomroy Herb Laboratories, New York, N. Y. General medicinal tonic. 288,381; Nov. 26. Class 6.
 Kaufman Bros. & Bondy, Inc., West New York, N. J. Cigar and cigarette holders. 289,747; Nov. 26. Class 8.
 Kawner Company, The, Niles, Mich. Show cases. 290,130; Nov. 26. Class 32.
 Kemo Brothers Packing Co., Frankfort, Ind. Tomato juice. 286,640; Nov. 26. Class 46.
 Kern-O'Neill Company, Minneapolis, Minn. Sound-reproducing machines. 288,955; Nov. 26. Class 21.
 King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. 290,259; Nov. 26. Class 38.
 Kingan & Co., Incorporated, Indianapolis, Ind. Cheese, eggs, mince meat, smoked meats, etc. 277,673; Nov. 26. Class 46.
 Knight, Charles S., doing business as Radonic Radian Symphony Co., Oakland, Calif. Pianos. 282,359; Nov. 26. Class 36.
 Knight Slipper Manufacturing Corp., Brooklyn, N. Y. Slippers. 288,508; Nov. 26. Class 39.
 Korach Brothers, Chicago, Ill. Dresses. 289,975; Nov. 26. Class 39.
 Kraft-Phenix Cheese Corporation, Chicago, Ill. Cheese. 283,046; Nov. 26. Class 46.
 Kutz, M. Company, Atlanta, Ga. Hats. 289,682; Nov. 26. Class 39.
 Lake Geneva Drug Co. (See Jenkins, R. C.)
 Levinson, Isaac D., doing business as Special Prescription Products Laboratories, Detroit, Mich. Medicine. 290,317; Nov. 26. Class 6.
 Levoy, B. M., Inc., New York, N. Y. Field glasses, binoculars, telescopes, etc. 288,240; Nov. 26. Class 26.
 Life Savers, Inc., Port Chester, N. Y. Candy. 290,710; Nov. 26. Class 46.
 Little Fairy Products Co. (See Durling, Paul L.)
 Little Jim Laboratories, Inc., Bluefield, W. Va. Cleaning preparation in liquid, paste, and soap form. 290,579; Nov. 26. Class 4.
 Live Stock Exchange, Inc., Des Moines, Iowa. Stock feeds. 289,703; Nov. 26. Class 46.
 Los Angeles Battery Mfg. Co., Los Angeles, Calif. Battery-cell connectors. 290,133; Nov. 26. Class 21.
 Los Angeles Soap Co., Los Angeles, Calif. Soap. 290,711; Nov. 26. Class 4.
 Lubin Perfumery Corporation, Wilmington, Del. and New York, N. Y. Perfume, toilet water, face powder, etc. 288,753; Nov. 26. Class 6.
 Ludlum Steel Company, Watervliet, N. Y. Alloy steels. 289,831; Nov. 26. Class 14.
 Lustberg, Nat & Co., Inc., New York, N. Y. Trousers. 290,846; Nov. 26. Class 39.
 Maeshima, Shintaro, doing business as The Oxyhealer Co., New York, N. Y. Scientific therapeutic instrument. 288,505; Nov. 26. Class 44.
 Malling Brothers, Inc., Chicago, Ill. Liquid shoe polish. 290,757; Nov. 26. Class 4.
 Marston, C. S., Jr., doing business as C. S. Marston, Jr. Co., Los Angeles, Calif. Peanut butter, salted nuts. 289,636; Nov. 26. Class 46.
 Master Craft Candle Works, The, Kearny, N. J. Candles. 289,898; Nov. 26. Class 15.
 Masury, John W. & Son, Brooklyn, N. Y. Semipaste white paint. 290,372; Nov. 26. Class 16.
 McKloney, Harry L., St. Paul, Minn. Strengthening and healing medicine. 289,302; Nov. 26. Class 6.
 Melville Shoe Corporation, New York, N. Y. Hosiery. 248,705; Nov. 26. Class 39.
 Memo Publishing Company, Fort Wayne, Ind. Memorandum books. 290,819; Nov. 26. Class 37.
 Menihan Company, The, Rochester, N. Y. Women's shoes. 288,812; Nov. 26. Class 39.
 Mertz, Clarke N., Topeka, Kans. Paste or fluid medical dressing. 290,265; Nov. 26. Class 6.
 Metropolitan Polish Co. (See Fredkin, George.)
 Miller, Arthur B., Seattle, Wash. Accordions, accordion stands, cornets, clarinets, etc. 286,495; Nov. 26. Class 36.
 Mme. Philippe. (See Phillips, Hildur.)
 Monark Battery Company, Chicago, Ill. Storage batteries. 290,077; Nov. 26. Class 21.
 Monnier, L. & Cie., La Chaux-de-Fonds, Switzerland. Radioactive luminous materials. 285,290; Nov. 26. Class 6.
 Monroe Chemical Company. (See Gale, Benjamin T., assignor.)
 Monticello Drug Company, Jacksonville, Fla. Nervine for headaches, neuralgia, etc. 289,794; Nov. 26. Class 6.
 Morgan Brothers (London) Limited, London, England. Port wine. 277,840; Nov. 26. Class 47.
 Mosner, William J., doing business as Wm. J. Mosner Co., St. Louis, Mo. Cream for use as a depilatory for the removal of superfluous hair. 290,078; Nov. 26. Class 6.
 Mülhens, Ferd., Inc., New York, N. Y. Eau de cologne, lavender water, etc. 289,796; Nov. 26. Class 6.
 Naboc Company. (See Wengenroth, William F.)
 Nabolcheck, Isidor, doing business as Standard Mattress Company, Hartford, Conn. Mattresses and pillows. 279,805; Nov. 26. Class 32.
 Nathan, S. & Co., Inc., New York, N. Y. Precious stones for jewelry use. 288,641; Nov. 26. Class 28.
 National-Erie Company, Erie, Pa. Gears and rubber machinery. 289,411; Nov. 26. Class 23.
 National Fruit Flavor Co., Inc., New Orleans, La. Ginger ale. 291,133; Nov. 26. Class 45.
 Nemasket Spring Water Co., Middleboro, Mass. Soft drinks and spring water. 290,222; Nov. 26. Class 45.
 Newport Company, The, Carrollville, Wis. Coal-tar dyestuffs and intermediates, etc. 282,622-3; Nov. 26. Class 6.
 Newport Company, The, Carrollville, Wis. Turpentine. 270,642; Nov. 26. Class 16.
 Newport Company, The, Carrollville, Wis. Turpentine. 270,644; Nov. 26. Class 16.
 Nice Laundry Bleach Co., Hudson, Ohio. Bleaching solution. 291,016; Nov. 26. Class 6.
 Noiseless Folder Company, Minneapolis, Minn. Letter-folding machines. 289,799; Nov. 26. Class 23.
 Nonzoline Chemical Products Co. (See Rothkowitz, Isiah.)
 Nu-Koff-O Cereal Co., Inc., Pittsburgh, Pa. Coffee substitute. 282,906; Nov. 26. Class 46.
 Orange Cross Laboratory. (See Jenkins, R. C.)
 Ostram G. m. b. H. Kommanditgesellschaft, Berlin, Germany. Pottery, chinaware, stoneware, etc. 285,877; Nov. 26. Class 30.
 Overhacker Coffee Co., Inc., The, Louisville, Ky. Coffee and rice. 290,598-9; Nov. 26. Class 46.
 Oxyhealer Co., The. (See Maeshima, Shintaro.)
 P. L. & M. Company, Los Angeles, Calif. Metallic composition. 273,311; Nov. 26. Class 14.
 Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 291,172; Nov. 26. Class 42.
 Panhorst, Paul, doing business as Pan-Horst Company, Philadelphia, Pa. Plumbing and steam-fitting valves. 287,859; Nov. 26. Class 13.
 Pantilio, Jose A., Paramus and Rochelle Park, N. J. Waterproofing compositions. 279,933; Nov. 26; Class 12.
 Parfumerie Ninon. (See Warin & Cie.)
 Parodney, Abraham, doing business as Dupree Medical Company, New York, N. Y. Pills and tablets, suppositories. 290,194; Nov. 26. Class 6.
 Parrish, Amos, & Co., New York, N. Y. Feature articles. 290,270; Nov. 26. Class 38.
 Penn Oil Products Company. (See Van Roo, Elmer D.)
 Phillips Fertilizer Company, Washington, N. C. Mixed fertilizers. 289,161; Nov. 26. Class 10.
 Phillips, Hildur, doing business as Mme. Philippe, New York, N. Y. Cold cream. 290,320; Nov. 26. Class 6.
 Phipps Hat Works, New York, N. Y. Hats. 290,858; Nov. 26. Class 39.
 Phoenix Mill Company. (See Hylton Flour Mills, Inc.)
 Pierce-Airo Incorporated, New York, N. Y. Electrical and radio products. 283,216; Nov. 26. Class 21.

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[Act of Feb. 20, 1906, Sec. 6, as amended Mar. 2, 1907]

Pomroy Herb Laboratories. (See Katz, Samuel.)
 Producers Creamery Co., Springfield, Mo. Butter, powdered milk. 289,838; Nov. 26. Class 46.
 Pulmosan Safety Equipment Corporation, Brooklyn, N. Y. Respirators. 289,368; Nov. 26. Class 44.
 Quaker State Oil Refining Co., Oil City, Pa. Lubricating oils and greases. 290,087; Nov. 26. Class 15.
 Quality Products Institute, Philadelphia, Pa. Hydrated lime and cement. 285,592; Nov. 26. Class 12.
 Raco Butter and Egg Co., Inc., Brooklyn, N. Y. Butter, eggs, and coffee. 280,277; Nov. 26. Class 46.
 Radonic Radian Symphony Co. (See Knight, Charles S.)
 Ramona Millinery Co., Inc., Los Angeles, Calif. Ladies' and misses' hats. 274,673; Nov. 26. Class 39.
 Ray, Fred L., St. Charles, Mo. Pharmaceutical preparation. 289,760; Nov. 26. Class 6.
 Reliance Manufacturing Company, The, Massillon, Ohio. Nut locks and spring washers. 289,701; Nov. 26. Class 13.
 Revillon Freres, New York, N. Y. Cloth automobile robes. 277,447; Nov. 26. Class 42.
 Riggs Medicated Tooth Powder Co., Orlando, Fla. Tooth powder. 290,271; Nov. 26. Class 6.
 Roberts, Charles E., doing business as C. E. Roberts Co., Baltimore, Md. Canned fruits and vegetables. 288,205; Nov. 26. Class 46.
 Rodman, B., doing business as B. R. Malt Company, Lynn, Mass. Malt syrup. 289,843-4; Nov. 26. Class 46.
 Roth-Büchner Aktiengesellschaft, Berlin-Tempelhof, Germany. Corn planes and blades therefor. 278,060-3; Nov. 26. Class 44.
 Rothkowitz, Isiah, doing business as Nonzoline Chemical Products Co., San Francisco, Calif. Liquid dry cleaners. 290,089; Nov. 26. Class 4.
 Rothschild, Maurice L., Incorporated, Chicago, Ill. Shirts and underwear. 287,978; Nov. 26. Class 39.
 Rotolette Manufacturing Co. (See Willeke, Joseph G.)
 Roush, Hubert E., doing business as Roush Drug Company, Humeston, Iowa. Inhalant for the treatment of head colds, hay fever, etc. 283,626; Nov. 26. Class 6.
 Schindler-McDaniels Co., New York, N. Y. Bed sheets, pillowcases, and cotton fabrics. 260,410; Nov. 26. Class 42.
 Schram, Frank X., doing business as F. X. Schram Laboratories, Chicago, Ill. Medicinal preparation. 290,528; Nov. 26. Class 6.
 Sears, Roebuck and Co., Chicago, Ill. Corsets. 282,441; Nov. 26. Class 39.
 Sears, Roebuck and Co., Chicago, Ill. Automobile seat covers. 290,481; Nov. 26. Class 19.
 Sexton, Sidney A., Exeter, Calif. Fresh grapes. 287,096; Nov. 26. Class 46.
 Shinn, Lawrence D., doing business as Drive Company, Washington, D. C. Device for practicing golf. 281,855; Nov. 26. Class 22.
 Silbermann, L. E., doing business as Colonial Products Co., Des Moines, Iowa. Malt syrup. 289,763; Nov. 26. Class 46.
 Silmo Chemical Company, Inc., Vineland, N. J. Cod-liver-oil preparation. 289,209; Nov. 26. Class 6.
 Simons, Ernest, Manufacturing Company, Port Chester, N. Y. Pajamas and pajama belts. 289,846; Nov. 26. Class 39.
 Simplex Valve and Meter Company, Philadelphia, Pa. Air-release valves, vacuum valves, rate-of-flow controllers, etc. 289,546; Nov. 26. Class 13.
 Slaughter, John A., doing business as The Doctors Business Bureau, San Francisco, Calif. Books of printed forms. 290,094; Nov. 26. Class 37.
 Societe Anonyme Jean Patou, Paris, France. Perfumes, toilet waters, face powders, etc. 287,601; Nov. 26. Class 6.
 Special Prescription Products Laboratories. (See Levinson, Isaac D.)
 Springfield Bronze Company, Springfield, Mass. Bronze and aluminum castings. 289,289; Nov. 26. Class 14.

Standard Mattress Company. (See Nabolcheck, Isidor.)
 Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Gasoline. 290,801; Nov. 26. Class 15.
 Starnes, David C., Bonham, Tex. Permanent-wave jackets. 288,376; Nov. 26. Class 44.
 Stein, A., & Company, Chicago, Ill. Bathing caps, bandeaux, and brassieres. 282,323; Nov. 26. Class 39.
 Sun-Glo Neon Corporation, Fort Worth, Tex. Luminescent tubes and luminescent-tube products. 282,014; Nov. 26. Class 21.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Canned fruit. 282,799; Nov. 26. Class 46.
 Takahashi, Shigetaro, San Francisco, Calif. Perfumed incense sticks. 264,540; Nov. 26. Class 6.
 Tetley, Joseph & Co., Inc., New York, N. Y. Tea. 289,653; Nov. 26. Class 46.
 Tilden Company, The, New Lebanon, N. Y. Medicine. 289,656; Nov. 26. Class 6.
 Tilden Company, The, New Lebanon, N. Y. Medicinal preparation. 289,657; Nov. 26. Class 6.
 United Drug Company, Boston, Mass. Rubber gloves. 290,228; Nov. 26. Class 39.
 United Manufacturing Company, Inc., Philadelphia, Pa. Bid baths. 290,481; Nov. 26. Class 13.
 Van Rantle Company, New York, N. Y. Underwear. 285,798; Nov. 26. Class 39.
 Van Roo, Elmer D., doing business as Penn Oil Products Company, Milwaukee, Wis. Lubricants. 273,033; Nov. 26. Class 15.
 Vort Processes, Incorporated, Louisville, Ky. Machine for processing materials. 286,670; Nov. 26. Class 23.
 Vogue Brassiere Mfg. Co., Newark, N. J. Corsets, brassieres, girdles, etc. 289,806-8; Nov. 26. Class 39.
 Warin & Cie., doing business as Parfumerie Ninon, Paris, France. Dentifrices, perfume extracts, toilet waters, and hair tonics. 285,799; Nov. 26. Class 6.
 Wedlich Bros. Mfg. Co., Bridgeport, Conn. Pewterware. 290,388; Nov. 26. Class 13.
 Welte-Mignon Corporation, New York, N. Y. Machines or mechanisms. 280,627; Nov. 26. Class 36.
 Wengenroth, William F., doing business as Naboc Company, New York, N. Y. Tooth powder. 288,204; Nov. 26. Class 6.
 Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric-lighting fixture units. 290,161; Nov. 26. Class 21.
 Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric-lighting fixtures. 290,163; Nov. 26. Class 21.
 Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric flood lights. 290,165; Nov. 26. Class 21.
 Wheary Trunk Company, Racine, Wis. Wardrobe trunks and cases. 291,306; Nov. 26. Class 3.
 Whittemore Bros. Corp., Cambridge, Mass. Leather dressing. 290,770-1; Nov. 26. Class 4.
 Willeke, Joseph G., doing business as Rotolette Manufacturing Co., Seattle, Wash. Game boards. 290,167; Nov. 26. Class 22.
 Wilson, George C., doing business as The Wilson Chemical Company, and The Wilson Products Company, Tyrone, Pa. Cough drops. 291,154; Nov. 26. Class 6.
 Woodbury Shoe Mfg. Co., Derry, N. H. Boots, shoes, slippers, leather soles, taps, etc. 288,265; Nov. 26. Class 39.
 Worthington Pump and Machinery Corporation, New York, N. Y. Pumping machinery and pumps. 291,257; Nov. 26. Class 23.
 Worthington Pump and Machinery Corporation, New York, N. Y. Pump machinery and pumps. 291,258-9; Nov. 26. Class 23.
 X-It Laboratories, Inc., New York, N. Y. Toothpaste. 276,391; Nov. 26. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags, Paper. Bates Valve Bag Corporation. 264,477-8; Nov. 26; Serial Nos. 282,518-14; published Sept. 17, 1929.

CLASS 3

Bags and purses and the constituent parts of the same. Mesh. S. G. Mandallan. 264,401; Nov. 26; Serial No. 287,882; published Sept. 10, 1929.
 Bags, leather hatboxes, suitcases. Stern Brothers. 264,455; Nov. 26; Serial No. 285,117; published Sept. 3, 1929.
 Novelties and goods, Leather. Seco Leather Products Company. 264,452; Nov. 26; Serial No. 285,385; published Sept. 3, 1929.
 Purses. M. K. Gordon. 264,845; Nov. 26; Serial No. 286,116; published Sept. 3, 1929.

388 O. G.—65a

Trunks and cases, Wardrobe. Wheary Trunk Company. 264,608; Nov. 26; Serial No. 283,975; published Sept. 3, 1929.
 Trunks, suitcases, handbags, etc. Philip F. Hall Inc. 264,607; Nov. 26; Serial No. 284,123; published Sept. 3, 1929.

CLASS 4

Abrasive papers and cloths. Behr-Manning Corporation. 264,617-8; Nov. 26; Serial Nos. 287,328-9; published Sept. 17, 1929.
 Abrasives and abrasive powder. Pike Manufacturing Company. 264,632; Nov. 26; Serial No. 279,811; published Sept. 10, 1929.
 Cleaner, Dry. King of Spots Cleaning Co. 264,584; Nov. 26; Serial No. 286,437; published Sept. 17, 1929.
 Cleaner, Paint and hand. F. Phillips. 264,586; Nov. 26; Serial No. 286,130; published Sept. 3, 1929.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Cleaning and polishing preparation. Drackett Chemical Company. 264,391; Nov. 26; Serial No. 273,159; published Sept. 3, 1929.

Cleaning fluid. Howard Cleaning Specialties. 264,579; Nov. 26; Serial No. 286,776; published Sept. 17, 1929.

Cleaning preparation. Fitzpatrick Bros. 264,374; Nov. 26; Serial No. 270,020; published Sept. 3, 1929.

Cleansing agent and lotion. General Dyestuff Corporation. 264,619; Nov. 26; Serial No. 287,132; published Sept. 10, 1929.

Compound containing soap. Chemical. Osmos Company of America. 264,437; Nov. 26; Serial No. 288,032; published Sept. 17, 1929.

Compound. Deodorizing, disinfecting, cleaning, and chemical. Millburn Chemical Co. Inc. 264,329; Nov. 26; Serial No. 279,055; published Sept. 17, 1929.

Compound for use in removing road oil, etc. Grady Bros. & Moran Mfg. Co. 264,441; Nov. 26; Serial No. 287,347; published Sept. 17, 1929.

Dissolvent. Dirt and grease. D. L. Brown. 264,439; Nov. 26; Serial No. 287,645; published Sept. 17, 1929.

Dressings, soap, etc. Auto top. Pep Boys—Manny, Moe & Jack. 264,552; Nov. 26; Serial No. 286,713; published Sept. 10, 1929.

Metallic wool and soaps. International Seour-Pac Corporation. 264,585; Nov. 26; Serial No. 286,370; published Sept. 10, 1929.

Paste to be used on the hands. A. C. Horn Company. 264,574; Nov. 26; Serial No. 286,988; published Sept. 3, 1929.

Polish or dressing. Auto top. E. I. du Pont de Nemours and Company. 264,324; Nov. 26; Serial No. 284,672; published Sept. 10, 1929.

Polishes and woodwork cleaner. Omi Products Inc. 264,334; Nov. 26; Serial No. 283,211; published Sept. 3, 1929.

Soap. P. Belersdorf & Co. Inc. 264,325; Nov. 26; Serial No. 284,718; published Sept. 10, 1929.

Soap. Procter & Gamble Company. 264,368; Nov. 26; Serial No. 265,448; published Sept. 10, 1929.

Soap. George Schicht A. G. 264,330; Nov. 26; Serial No. 279,387; published Sept. 3, 1929.

Soap and washing powder. Georg Schicht A. G. 264,331; Nov. 26; Serial No. 279,392; published Sept. 3, 1929.

Soap. Liquid. Sinclair Refining Company. 264,594; Nov. 26; Serial No. 285,793; published Sept. 3, 1929.

Soap. Perfumed. Wright, Layman & Umney, Limited. 264,589; Nov. 26; Serial No. 285,956; published Sept. 3, 1929.

Soap, soap and washing powders. Iowa Soap Company. 264,326; Nov. 26; Serial No. 284,944; published Sept. 10, 1929.

Soaps. Benzit-Aktien-Gesellschaft. 264,506; Nov. 26; Serial No. 285,243; published Sept. 3, 1929.

Soaps. Manhattan Soap Company. 264,599; Nov. 26; Serial No. 285,039; published Sept. 17, 1929.

Soaps. P. Mülhens. 264,438; Nov. 26; Serial No. 288,024; published Sept. 10, 1929.

Soaps. P. Sapart. 264,583; Nov. 26; Serial No. 286,514; published Sept. 3, 1929.

CLASS 5

Adhesives. Naugatuck Chemical Company. 264,339; Nov. 26; Serial No. 286,189; published Sept. 10, 1929.

Cement. Gasket. Pep Boys—Manny, Moe & Jack. 264,342; Nov. 26; Serial No. 286,711; published Sept. 17, 1929.

CLASS 6

Antiseptic, deodorant, and prophylactic. H. V. Haley. 264,364; Nov. 26; Serial No. 287,755; published Sept. 10, 1929.

Antiseptic nasal injection. A. Landrin. 264,359-60; Nov. 26; Serial Nos. 288,241-2; published Sept. 17, 1929.

Antiseptic, prophylactic, deodorant, and disinfectant. H. V. Haley. 264,365; Nov. 26; Serial No. 287,756; published Sept. 10, 1929.

Antiseptic wafers, disinfectant, resolvent, etc. C. D. Scott. 264,356; Nov. 26; Serial No. 287,890; published Sept. 10, 1929.

Calcium carbonate. Arabol Manufacturing Company. 264,363; Nov. 26; Serial No. 288,268; published Sept. 17, 1929.

Capsules. Geo. H. Lee Co. 264,624; Nov. 26.

Capsules. D. H. Miller. 264,553; Nov. 26; Serial No. 286,499; published Sept. 10, 1929.

Chemical compounds. Dry mixture of. Re-Refining Products Corporation. 264,361; Nov. 26; Serial No. 288,247; published Sept. 17, 1929.

Chemical products. Po-Ho Sanitäts-Werk Hamburg Otto Joh. Jul. Witt & Söhne. 264,376; Nov. 26; Serial No. 263,281; published Sept. 10, 1929.

Chemicals, medicines, and pharmaceutical preparations. Po-Ho Sanitäts-Werk Hamburg Otto Joh. Jul. Witt & Söhne. 264,316; Nov. 26; Serial No. 275,239; published Sept. 10, 1929.

Deodorants. M. Shulman. 264,365; Nov. 26; Serial No. 270,805; published Sept. 17, 1929.

Dressing for wounds and liniment. C. A. Mosso Laboratories. 264,366; Nov. 26; Serial No. 287,333; published Sept. 10, 1929.

Insecticide. R. B. Randall. 264,502; Nov. 26; Serial No. 284,078; published Sept. 10, 1929.

Insecticides, chemical compounds, and odorizers. Smith-Ernest Laboratories, Inc. 264,501; Nov. 26; Serial No. 284,088; published Sept. 17, 1929.

Laxative. D. Arriola, Jr. 264,313; Nov. 26; Serial No. 260,421; published Apr. 30, 1929.

Lotions. Hand. A. G. Steen. 264,506; Nov. 26; Serial No. 277,778; published Sept. 17, 1929.

Medicated blood-stopping gauze, wadding, and bandage gauze. Pharmazeutische Industrie A. G. 264,507; Nov. 26; Serial No. 277,252; published Sept. 10, 1929.

Medicinal preparation. C. Dimino. 264,351; Nov. 26; Serial No. 287,456; published Sept. 17, 1929.

Medicinal preparation. P. J. Gillen. 264,353; Nov. 26; Serial No. 287,752; published Sept. 10, 1929.

Medicinal preparation. Health Laboratories, Inc. 264,358; Nov. 26; Serial No. 288,235; published Sept. 17, 1929.

Medicinal preparations. Norwich Pharmacal Company. 264,505; Nov. 26; Serial No. 277,814; published Sept. 17, 1929.

Mineral oils for medical purposes. H. Hubschman. 264,500; Nov. 26; Serial No. 284,401; published Sept. 10, 1929.

Mothproofing and repellent chemical. National Mothproofing Service. 264,352; Nov. 26; Serial No. 287,712; published Sept. 10, 1929.

Perfumes, artificial perfume essences, and cedar-wood oil. Vanillin-Fabrik Gesellschaft mit beschränkter Haftung. 264,504; Nov. 26; Serial No. 282,960; published Sept. 10, 1929.

Preparation for colds. Bradford's Laboratories. 264,627; Nov. 26.

Preparation for restoring hair. G. T. Cosgrove. 264,636; Nov. 26.

Preparation for the treatment of pyorrhea and Vincent's angina. P. J. Gillen. 264,354; Nov. 26; Serial No. 287,753; published Sept. 17, 1929.

Preparation for treating colds and coughs. S. Pierson. 264,346; Nov. 26; Serial No. 288,308; published Sept. 17, 1929.

Preparation. Liquid. F. A. Wallace. 264,362; Nov. 26; Serial No. 288,258; published Sept. 17, 1929.

Preparations and compounds. Dr. Hillers Akt.-Ges. Nähr- & Heilmittelwerk. 264,388-9; Nov. 26; Serial Nos. 271,652-3; published Sept. 17, 1929.

Salve. W. Montgomery. 264,348; Nov. 26; Serial No. 288,389; published Sept. 17, 1929.

Salve. Yogi Company. 264,552; Nov. 26; Serial No. 286,704; published Sept. 10, 1929.

Shampoo. J. N. Cole. 264,520; Nov. 26; Serial No. 286,815; published Sept. 17, 1929.

Throat pastils. McKesson & Robbins, Incorporated. 264,347; Nov. 26; Serial No. 288,345; published Sept. 17, 1929.

Tonics. Dr. J. V. May. 264,351; Nov. 26; Serial No. 264,551; Nov. 26; Serial No. 286,727; published Sept. 10, 1929.

Tooth paste. W. D. Bost. 264,631; Nov. 26.

CLASS 12

Cement. Building. Gonzalo Boza & Co. Inc. 264,550; Nov. 26; Serial No. 274,218; published Sept. 3, 1929.

CLASS 14

Zinc and zinc dust. Slab. Superior Zinc Corporation. 264,621; Nov. 26.

CLASS 15

Candles. Will & Baumer Candle Co. 264,414-5; Nov. 26; Serial Nos. 283,926-7; published Aug. 27, 1929.

Composition used as a lubricant, liquid. G. E. Macklem. 264,483; Nov. 26; Serial No. 286,889; published Sept. 17, 1929.

Gasoline, kerosene, and lubricating oil. Arnold Oil Company. 264,310; Nov. 26; Serial No. 249,036; published Sept. 3, 1929.

Gasolines. Phillips Petroleum Company. 264,419; Nov. 26; Serial No. 282,825; published Sept. 17, 1929.

Greases, oils, etc. The R. M. Hollingshead Co. 264,315; Nov. 26; Serial No. 275,110; published Mar. 19, 1929.

Oil. K. M. Steinmetz. 264,418; Nov. 26; Serial No. 283,355; published Aug. 27, 1929.

Oil. Household lubricating. Cities Service Oil Company. 264,484; Nov. 26; Serial No. 286,621; published Sept. 17, 1929.

Oil. Re-refined lubricating. Warener Stutler Company Incorporated. 264,488; Nov. 26; Serial No. 286,349; published Sept. 3, 1929.

Oils. Fuel. Pennzoil Company. 264,408; Nov. 26; Serial No. 278,014; published Sept. 17, 1929.

Oils. Lubricating. Allen & Allen, Inc. 264,481; Nov. 26; Serial No. 281,929; published Sept. 17, 1929.

Oils, lubricating oils, etc. Hydrocarbon motor-fuel. Pure Oil Company. 264,485; Nov. 26; Serial No. 286,588; published Sept. 17, 1929.

Oils, waxes, and greases. Lubricating. Union Oil Company of California. 264,371; Nov. 26; Serial No. 268,718; published Sept. 18, 1928.

Petroleum products. Sunset Petroleum Corporation. 264,412; Nov. 26; Serial No. 284,502; published Sept. 3, 1929.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 21

Alarms and burglar-alarm equipment. Burglar. Signal Protective Service Company. 264,406; Nov. 26; Serial No. 280,087; published Sept. 17, 1929.

Arc lamps, electric and arc lamps. Burke & James, Inc. 264,489; Nov. 26; Serial No. 285,905; published Sept. 3, 1929.

Batteries, electric-light bulbs, and spark plugs. Service Station Supply Company. 264,532; Nov. 26; Serial No. 285,894; published Sept. 3, 1929.

Conduit outlet boxes, covers for conduit outlet boxes, switch boxes, etc. Crouse-Hinds Co. 264,407; Nov. 26; Serial No. 278,340; published Sept. 3, 1929.

Electrical appliances. Cutino Company. 264,411; Nov. 26; Serial No. 284,774; published Sept. 3, 1929.

Electrical devices. Amos Electrical Device Manufacturing Corporation. 264,422; Nov. 26; Serial No. 282,630; published Sept. 17, 1929.

Electrical insulator compounds and fabrics. Harvel Corporation. 264,424; Nov. 26; Serial No. 286,937; published Sept. 17, 1929.

Electrical machines. Siemens-Schuckertwerke Aktiengesellschaft. 264,311; Nov. 26; Serial No. 255,934; published Sept. 3, 1929.

Electrical machines, electrotechnical instruments and appliances, conductors, etc. Siemens-Schuckertwerke Aktiengesellschaft. 264,312; Nov. 26; Serial No. 258,554; published Sept. 3, 1929.

Electrical wires and cables. General Cable Corporation. 264,494; Nov. 26; Serial No. 286,167; published Sept. 17, 1929.

Heaters. Reflecting radiating. Lynn Products Co. 264,533; Nov. 26; Serial No. 285,683; published Sept. 3, 1929.

Insulator-supporting pins. Locke Insulator Corporation. 264,638; Nov. 26.

Lighting fixtures, switches, sockets, etc. Electrical. G. E. Supply Co. 264,417; Nov. 26; Serial No. 283,189; published Sept. 3, 1929.

Radio aerials and ground eliminators. M. M. Fleron & Son, Inc. 264,423; Nov. 26; Serial No. 286,985; published Sept. 17, 1929.

Radioantenna. Loveless Antenna, Inc. 264,409; Nov. 26; Serial No. 277,250; published Sept. 3, 1929.

Radio electron tubes. French Battery Company. 264,529; Nov. 26; Serial No. 285,852; published Sept. 3, 1929.

Radio receiving and transmitting sets and parts thereof, electric batteries, etc. H. G. Zimmerman Company. 264,404; Nov. 26; Serial No. 281,469; published Aug. 27, 1929.

Radio receiving sets. Bush & Lane Piano Company. 264,370; Nov. 26; Serial No. 267,236; published Sept. 3, 1929.

Radio receiving sets. Mead Cycle Company. 264,482; Nov. 26; Serial No. 286,890; published Sept. 17, 1929.

Radio receiving sets, radio amplifier units, etc. Continental Radio Corporation. 264,530-1; Nov. 26; Serial Nos. 285,848-9; published Sept. 17, 1929.

Radiotubes and parts thereof. Electron. Arcturus Radio Company. 264,314; Nov. 26; Serial No. 274,695; published Sept. 17, 1929.

Ranges. Electric. Great Western Stove Company. 264,630; Nov. 26.

CLASS 22

Billiard cushions. Stowe & Woodward Company. 264,394; Nov. 26; Serial No. 288,289; published Sept. 17, 1929.

Board game. Parker Brothers Inc. 264,305; Nov. 26; Serial No. 288,034; published Sept. 17, 1929.

Game ball. C. W. Reeman. 264,398; Nov. 26; Serial No. 287,327; published Sept. 17, 1929.

Toy, Peg and block. W. H. King. 264,343; Nov. 26; Serial No. 286,884; published Sept. 17, 1929.

CLASS 23

Arbors, bits, center reamers, etc. Whitman & Barnes, Inc. 264,309; Nov. 26; Serial No. 284,710; published Sept. 17, 1929.

Cutlery. Clyde Cutlery Company. 264,469; Nov. 26; Serial No. 287,452; published Sept. 17, 1929.

Drills. Masonry. Star Expansion Bolt Company. 264,317; Nov. 26; Serial No. 275,511; published Sept. 17, 1929.

Engine mufflers. Simmons Manufacturing Company. 264,444; Nov. 26; Serial No. 287,317; published Sept. 17, 1929.

Knives. Utica Cutlery Company. 264,623; Nov. 26.

Machines for preparing coffee, parts and accessories therefor, coffee grinders, whips for bars and other uses. Ved Obertino & Figlie. 264,367; Nov. 26; Serial No. 264,901; published Sept. 17, 1929.

Machines, presses, calendars, etc. Farrel-Birmingham Company. 264,602; Nov. 26; Serial No. 278,095; published Sept. 17, 1929.

Pumps, and machinery, dredging. Ellicott Machine Corporation. 264,537; Nov. 26; Serial No. 283,103; published Sept. 17, 1929.

Pumps, saws, saw tables, and saw plgs. Chain Belt Company. 264,600; Nov. 26; Serial No. 281,258; published Sept. 17, 1929.

Razor blades. H. S. MacNair. 264,487; Nov. 26; Serial No. 288,283; published Sept. 17, 1929.

Reamers, milling cutters, end mills, etc. Arrow Tool and Reamer Company. 264,433; Nov. 26; Serial No. 285,616; published Sept. 17, 1929.

Shovels, spades, and scoops. Pittsburgh Shovel Company. 264,435; Nov. 26; Serial No. 285,169; published Sept. 17, 1929.

Tap-supporting devices and tapping attachments and parts thereof. Eastern Tube and Tool Co. Inc. 264,327; Nov. 26; Serial No. 284,723; published Sept. 17, 1929.

Tools and equipment. Oil mill. Jordan & Taylor, Inc. 264,447; Nov. 26; Serial No. 286,828; published Sept. 17, 1929.

CLASS 26

Instruments for the measurement of the density of various gases, etc. Refinery Supply Company. 264,431; Nov. 26; Serial No. 285,937; published Sept. 17, 1929.

Light-sensitive printing papers, fabrics, etc. Eugene Dietzgen Co. 264,318; Nov. 26; Serial No. 275,659; published Sept. 17, 1929.

Opera glasses and field glasses. Optische Werke G. Rodenstock. 264,436; Nov. 26; Serial No. 285,168; published Sept. 17, 1929.

CLASS 28

Flatware. Silver. Onelda Community, Limited. 264,403; Nov. 26; Serial No. 281,518; published Sept. 3, 1929.

Fraternity badges, lapel buttons, cuff links, etc. Alpha Chi Omega Fraternity. 264,413; Nov. 26; Serial No. 284,284; published Sept. 3, 1929.

Jewelry. Articles of. L. F. Phillips. 264,497-8; Nov. 26; Serial Nos. 285,934-5; published Sept. 17, 1929.

Jewelry. Precious-metal. J. L. Brandt. 264,496; Nov. 26; Serial No. 286,100; published Sept. 17, 1929.

Necklaces, bracelets, and other jewelry. A. Matsuoka. 264,635; Nov. 26; Serial No. 285,363; published Sept. 3, 1929.

Pearls. Strings and necklaces of artificial. Mazer Brothers. 264,492-3; Nov. 26; Serial Nos. 286,186-7; published Sept. 17, 1929.

Rings and mountings therefor. Finger. Benjamin & Edward J. Gross Co., Inc. 264,420; Nov. 26; Serial No. 282,706; published Sept. 3, 1929.

Rings and mountings therefor. Finger. Benjamin & Edward J. Gross Co., Inc. 264,421; Nov. 26; Serial No. 282,708; published Sept. 3, 1929.

Rings. Finger. E. M. Rosenthal Jewelry Company. 264,495; Nov. 26; Serial No. 286,131; published Sept. 3, 1929.

Salt and pepper sets. Weidlich Bros. M'g. Co. 264,637; Nov. 26.

Stones. Synthetic. L. Heller & Son, Inc. 264,490-1; Nov. 26; Serial Nos. 286,246-7; published Sept. 3, 1929.

CLASS 32

Mattresses. Rutherford & Hood. 264,465; Nov. 26; Serial No. 287,497; published Sept. 17, 1929.

Mirrors. Pivoted. Mirex Manufacturing Corporation. 264,322; Nov. 26; Serial No. 283,619; published Sept. 17, 1929.

CLASS 33

Glass bottles. Empty. F. E. Reed Glass Co. 264,384; Nov. 26; Serial No. 270,781; published Sept. 17, 1929.

CLASS 34

Burners. Oil. Hardinge Brothers, Inc. 264,541; Nov. 26; Serial No. 286,987; published Sept. 17, 1929.

Heaters. Gas water. Bastian-Morley Co. 264,639; Nov. 26.

CLASS 35

Belts. Power-transmission. Fairbanks, Morse & Co. 264,465; Nov. 26; Serial No. 287,576; published Sept. 17, 1929.

Hose. Rubber. Cement Gun Company. 264,467; Nov. 26; Serial No. 287,523; published Sept. 17, 1929.

CLASS 36

Accordions, accordion stands, cornets, clarinets, etc. A. B. Miller. 264,625; Nov. 26.

Accordions, clarinets, trumpets, etc. A. B. Miller. 264,486-7; Nov. 26; Serial Nos. 286,496-7; published Sept. 17, 1929.

Clarinet, cornets, drums, etc. Sears, Roebuck and Co. 264,418; Nov. 26; Serial No. 283,142; published Sept. 3, 1929.

Phonographs, sound boxes, tone arms, etc. Dulcetto-Polyphon, Limited. 264,405; Nov. 26; Serial No. 281,414; published Sept. 3, 1929.

Pianos. Starr Piano Company. 264,489; Nov. 26; Serial No. 286,282; published Sept. 3, 1929.

Talking machines. Sterling Piano Corporation. 264,373; Nov. 26; Serial No. 269,612; published Sept. 3, 1929.

CLASS 37

Blank forms. Lee Rogers Company. 264,564; Nov. 26; Serial No. 287,619; published Sept. 17, 1929.

Blank forms. Lee Rogers Company. 264,565; Nov. 26; Serial No. 287,617; published Sept. 17, 1929.

Cardboard. Bristol board, cover paper, etc. Beveridge Paper Company. 264,518; Nov. 26; Serial No. 279,140; published Sept. 17, 1929.

Cards and mailing envelopes, Announcement. Old Colony Envelope Company. 264,528; Nov. 26; Serial No. 287,002; published Sept. 10, 1929.

Diaries. Frank Smythson, Ltd. 264,591; Nov. 26; Serial No. 286,211; published Sept. 3, 1929.

Index, Telephone. Eureka Tin Ware Mfg. Co. 264,550; Nov. 26; Serial No. 287,800; published Sept. 10, 1929.

Pads or loose sheets, Recording. R. R. Powell. 264,509; Nov. 26; Serial No. 284,419; published Sept. 3, 1929.

Paper. Gummed Products Company. 264,519; Nov. 26; Serial No. 277,419; published Sept. 10, 1929.

Paper. C. F. Hoeckel Blank Book and Lithographing Company. 264,510; Nov. 26; Serial No. 284,125; published Sept. 3, 1929.

Paper. Japan Paper Company. 264,514; Nov. 26; Serial No. 280,920; published Sept. 3, 1929.

Paper and white crepe napkins, Toilet. Regal Paper Company. 264,471; Nov. 26; Serial No. 287,496; published Sept. 17, 1929.

Paper, Bristol board, and cardboard, Calendar and cover. Beveridge Paper Company. 264,590; Nov. 26; Serial No. 286,618; published Sept. 10, 1929.

Paper, Gummed. McLaurin-Jones Co. 264,512; Nov. 26; Serial No. 283,462; published Sept. 3, 1929.

Paper napkins. American Tissue Mills. 264,460-1; Nov. 26; Serial Nos. 287,993-4; published Sept. 10, 1929.

Paper napkins. American Tissue Mills. 264,557; Nov. 26; Serial No. 264,557; published Sept. 10, 1929.

Paper, Tissue and waxed. American Tissue Mills. 264,556; Nov. 26; Serial No. 287,996; published Sept. 10, 1929.

Paper, Toilet. Wyoming Valley Paper Mill. 264,515-17; Nov. 26; Serial Nos. 279,588-5; published Sept. 10, 1929.

Paper towels. Crown Willamette Company. 264,554; Nov. 26; Serial No. 288,108; published Sept. 10, 1929.

Paper towels, table covers, napkins, etc. Scott Paper Company. 264,511; Nov. 26; Serial No. 283,599; published Sept. 17, 1929.

Paper, Wall. W. H. S. Lloyd Company. 264,560; Nov. 26; Serial No. 287,760; published Sept. 10, 1929.

Paper, Wall. Prager Co. 264,566; Nov. 26; Serial No. 287,593; published Sept. 17, 1929.

Paper, Waxed. Economy Paper Company. 264,568; Nov. 26; Serial No. 287,574; published Sept. 10, 1929.

Papers. Seaman Paper Company. 264,521; Nov. 26; Serial No. 287,369; published Sept. 10, 1929.

Papers. Seaman Paper Company. 264,522; Nov. 26; Serial No. 287,367; published Sept. 10, 1929.

Papers. Seaman Paper Company. 264,523; Nov. 26; Serial No. 287,365; published Sept. 10, 1929.

Papers. Seaman Paper Company. 264,524; Nov. 26; Serial No. 287,372; published Sept. 17, 1929.

Papers. Seaman Paper Company. 264,525; Nov. 26; Serial No. 287,371; published Sept. 10, 1929.

Paperettes, Bristol board, paper, etc. Strathmore Paper Company. 264,527; Nov. 26; Serial No. 287,025; published Sept. 10, 1929.

Pens, Fountain. Moore Pen Company. 264,569; Nov. 26; Serial No. 287,540; published Sept. 10, 1929.

Pens, mechanical pencils, and desk sets therefor, Fountain. Carter's Ink Company. 264,592; Nov. 26; Serial No. 285,907; published Sept. 3, 1929.

Stationery, Boxed. Taylor-Atkins Paper Company. 264,513; Nov. 26; Serial No. 283,151; published Sept. 10, 1929.

Stereotype mats. C. F. Burgess Laboratories, Inc. 264,562; Nov. 26; Serial No. 287,648; published Sept. 10, 1929.

Strathmore Paper Company, Mittenague, Mass. Paperettes, Bristol board, etc. 264,555; Nov. 26; Serial No. 288,040; published Sept. 10, 1929.

Tablets and blank books. Western Tablet Stationery Corporation. 264,561; Nov. 26; Serial No. 287,084; published Sept. 10, 1929.

Towels, Paper. U. S. Sanitary Specialties Corporation. 264,470; Nov. 26; Serial No. 287,510; published Sept. 10, 1929.

CLASS 38

Coupons, Trade and Travel, Inc. 264,587-8; Nov. 26; Serial Nos. 286,056-7; published Sept. 3, 1929.

Magazine, Club Press Inc. 264,570-1; Nov. 26; Serial Nos. 287,102-3; published Sept. 3, 1929.

Magazine, D. W. McLaughlin. 264,576; Nov. 26; Serial No. 286,946; published Sept. 3, 1929.

Magazine, Southern Druggist Publishing Co. 264,577; Nov. 26; Serial No. 286,903; published Sept. 3, 1929.

Magazine and house organ. Lockwood Greene Engineers Inc. 264,533; Nov. 26; Serial No. 281,218; published Sept. 3, 1929.

Magazine, House. Pfaunder Co. 264,458; Nov. 26; Serial No. 288,085; published Sept. 10, 1929.

Magazine, Section of a Distribution and Warehousing Publications, Inc. 264,462; Nov. 26; Serial No. 287,797; published Sept. 10, 1929.

Newspaper, R. O. Davies Publishing Co. 264,578; Nov. 26; Serial No. 286,848; published Sept. 3, 1929.

Newspaper cartoons. Newspaper Feature Service, Inc. 264,573; Nov. 26; Serial No. 286,999; published Sept. 3, 1929.

Newspaper feature. P. H. Bachrach. 264,526; Nov. 26; Serial No. 287,226; published Sept. 10, 1929.

Periodical, Claude Neon Lights, Inc. 264,448-9; Nov. 26; Serial Nos. 286,562-3; published Sept. 10, 1929.

Periodical, North Shore Publishing Company. 264,323; Nov. 26; Serial No. 284,040; published Sept. 17, 1929.

Periodical, Order of Railway Conductors of America. 264,572; Nov. 26; Serial No. 287,003; published Sept. 17, 1929.

Periodical, Plastics Publications, Inc. 264,464; Nov. 26; Serial No. 287,591; published Sept. 10, 1929.

Periodical, Plastics Publications, Inc. 264,567; Nov. 26; Serial No. 287,592; published Sept. 10, 1929.

Periodical, United Association of Journeymen Plumbers and Steam Fitters of the United States and Canada. 264,558; Nov. 26; Serial No. 287,855; published Sept. 10, 1929.

Periodical or house organ. Carrier Engineering Corporation. 264,459; Nov. 26; Serial No. 288,063; published Sept. 10, 1929.

Publication, Food Facts Publishing Co. 264,580; Nov. 26; Serial No. 286,754; published Sept. 3, 1929.

Publication, D. G. Gardner. 264,442; Nov. 26; Serial No. 287,343; published Sept. 3, 1929.

Publication, Gulf Publishing Company. 264,593; Nov. 26; Serial No. 285,915; published Sept. 17, 1929.

Publication, Financial. Trans-Mississippi Banker Publishing Co. 264,597; Nov. 26; Serial No. 285,236; published Sept. 3, 1929.

Publication, House. National Biscuit Company. 264,402; Nov. 26; Serial No. 283,463; published Sept. 3, 1929.

Publication, Insurance. Insurance Magazine Publishing Co. 264,598; Nov. 26; Serial No. 285,209; published Sept. 3, 1929.

Publication, Trade. Consolidated Trade Publications, Inc. 264,575; Nov. 26; Serial No. 286,977; published Sept. 3, 1929.

Publications, Frank W. English, Inc. 264,432; Nov. 26; Serial No. 285,737; published Sept. 10, 1929.

Publications, Moore & Evans. 264,375; Nov. 26; Serial No. 264,178; published Sept. 10, 1929.

Publications, Clayton-Learoyd, Inc. 264,563; Nov. 26; Serial No. 287,626; published Sept. 10, 1929.

Publications, Wetzel Market Bureau Inc. 264,440; Nov. 26; Serial No. 287,433; published Sept. 3, 1929.

Publications and printed bulletins. National Better Business Bureau, Inc. 264,595; Nov. 26; Serial No. 285,588; published Sept. 3, 1929.

Review of the general business situation. Hemphill, Noves & Co. 264,581; Nov. 26; Serial No. 286,724; published Sept. 3, 1929.

Stationery, Engraved. Ace Engraving & Embossing Co. 264,508; Nov. 26; Serial No. 284,515; published Sept. 3, 1929.

Trade paper. G. W. Pressler. 264,434; Nov. 26; Serial No. 285,591; published Sept. 10, 1929.

CLASS 39

Boots and shoes. A. Atmanspacher. 264,475; Nov. 26; Serial No. 283,366; published Sept. 10, 1929.

Boots and shoes. Bona Allen, Inc. 264,549; Nov. 26; Serial No. 285,495; published Sept. 10, 1929.

Boots and shoes. S. J. Farber. 264,386; Nov. 26; Serial No. 282,347; published Sept. 10, 1929.

Caps, Bathing. T. J. Howland. 264,544; Nov. 26; Serial No. 286,559; published Sept. 10, 1929.

Corsets, girdles, and brassieres. Berger Brothers Company. 264,534; Nov. 26; Serial No. 287,903; published Sept. 10, 1929.

Footholds. United States Rubber Company. 264,353; Nov. 26; Serial No. 270,268; published Sept. 10, 1929.

Goods, Rubber. Lew-Mar Products Company. 264,476; Nov. 26; Serial No. 283,284; published Sept. 10, 1929.

Hats and caps. John B. Stetson Company. 264,589; Nov. 26; Serial No. 287,211; published Sept. 10, 1929.

Hats, Ladies' and misses'. Ethel Hat Co. 264,480; Nov. 26; Serial No. 280,236; published Sept. 10, 1929.

Hats, Ladies' and misses'. P. H. Luther. 264,866; Nov. 26; Serial No. 267,135; published Sept. 10, 1929.

Hats, Ready-to-wear. J. C. Penney Company. 264,542; Nov. 26; Serial No. 286,896; published Sept. 17, 1929.

Hats, Women's. National Committee on Correct Style, Inc. 264,344; Nov. 26; Serial No. 261,124; published Sept. 10, 1929.

Hats, Women's. National Committee on Correct Style, Inc. 264,377; Nov. 26; Serial No. 261,826; published Sept. 10, 1929.

Hats, Women's. National Committee on Correct Style, Inc. 264,378-9; Nov. 26; Serial Nos. 261,125-6; published Sept. 10, 1929.

Hats, Women's. National Committee on Correct Style, Inc. 264,380-2; Nov. 26; Serial Nos. 261,130-2; published Sept. 10, 1929.

Hats, Women's, children's, and misses'. Ogus, Rabnovich & Ogus, Inc. 264,372; Nov. 26; Serial No. 269,601; published Sept. 10, 1929.

Heels and soles for shoes, Rubber. Holttite Mfg. Co. 264,543; Nov. 26; Serial No. 286,636; published Sept. 10, 1929.

Heels, Rubber. Panther Rubber Manufacturing Company. 264,540; Nov. 26; Serial No. 287,089; published Sept. 17, 1929.

Hosiery. Dunn & McCarthy Inc. 264,355; Nov. 26; Serial No. 287,033; published Sept. 10, 1929.

Hosiery. Laconia Hosiery Company. 264,626; Nov. 26; Serial No. 287,033; published Sept. 10, 1929.

Hosiery, Men's, boys' and youths. Neustadter Bros. 264,635; Nov. 26.

Hosiery, Underwear, etc. Morris Levinson & Sons. 264,410; Nov. 26; Serial No. 284,577; published Sept. 10, 1929.

Overalls, sport skirts, comfort slippers, etc. Rainized Process Ltd. 264,479; Nov. 26; Serial No. 280,276; published Sept. 17, 1929.

Sandals, Women's. Walther Lowendahl Shoe Co. 264,537; Nov. 26; Serial No. 287,386; published Sept. 10, 1929.

Shirts. Louis Baskind & Co. 264,628; Nov. 26.

Shoes. I. Miller & Sons, Inc. 264,536; Nov. 26; Serial No. 287,763; published Sept. 10, 1929.

Shoes. Stern-Auer Company. 264,548; Nov. 26; Serial No. 285,837; published Sept. 10, 1929.

Shoes, Boys'. Endicott Johnson Corporation. 264,545-6; Nov. 26; Serial Nos. 286,478-9; published Sept. 17, 1929.

Shoes, Leather. Emerson Company. 264,474; Nov. 26; Serial No. 288,602; published Sept. 17, 1929.

Shoes, Leather. E. M. Kahn & Company. 264,547; Nov. 26; Serial No. 286,372; published Sept. 10, 1929.

Shoes, oxfords, gaiters, etc. Zarne Shoe Corporation. 264,478; Nov. 26; Serial No. 284,162; published Sept. 10, 1929.

Soles for shoes, Inner. Brown Company. 264,425; Nov. 26; Serial No. 284,560; published Sept. 10, 1929.

Suits, overcoats, topcoats, sports suits, and trousers. Morgan's Clothes, Inc. 264,620; Nov. 26.

Taps or soles, Rubber. Panco Rubber Company. 264,538; Nov. 26; Serial No. 287,309; published Sept. 17, 1929.

CLASS 42

Cotton cloth. Pool Mfg. Co. 264,622; Nov. 26.

Fabrics, Textile. A. Theo. Abbott & Co. 264,390; Nov. 26; Serial No. 271,731; published Sept. 17, 1929.

Hair nets. National Gary Corporation. 264,349; Nov. 26; Serial No. 288,507; published Sept. 17, 1929.

Hair nets. National Gary Corporation. 264,350; Nov. 26; Serial No. 288,511; published Sept. 17, 1929.

Silks. Duplex Silk Mills, Inc. 264,357; Nov. 26; Serial No. 288,111; published Sept. 10, 1929.

Textiles. B. B. & R. Knight Corporation. 264,633; Nov. 26.

Wool suiting in the piece. M. M. Scher. 264,503; Nov. 26; Serial No. 283,702; published Sept. 10, 1929.

CLASS 44

Absorbent cotton. Kendall Company. 264,806; Nov. 26; Serial No. 288,075; published Sept. 17, 1929.

Adhesive tape. Kendall Company. 264,634; Nov. 26.

Atomizers, medical breast pumps, rubber hot-water bottles. Narco Drug Company. 264,606; Nov. 26; Serial No. 284,625; published Sept. 17, 1929.

Bridge teeth, facing bridges, gold dentures, etc. H. P. Boos. 264,393; Nov. 26; Serial No. 288,219; published Sept. 17, 1929.

Electric immersion heaters for hot-water bottles. National Electro Hydrothermal Corporation. 264,821; Nov. 26; Serial No. 288,083; published Sept. 17, 1929.

Hair waving, Apparatus for use in. Keen Waving Company. 264,618; Nov. 26; Serial No. 277,430; published Sept. 17, 1929.

Permanent waving pads. Demeo Brothers. 264,604; Nov. 26; Serial No. 284,937; published Sept. 17, 1929.

Sanitary belts, aprons, etc. S. H. Kress & Co. 264,320; Nov. 26; Serial No. 288,078; published Sept. 17, 1929.

CLASS 45

Beverage and syrups, extracts, concentrates, and compounds for making the same. Maltless. R. M. Lazenby. 264,472; Nov. 26; Serial No. 287,351; published Sept. 17, 1929.

Beverages and syrups for making the same. National Grép Fruit Company. 264,335; Nov. 26; Serial No. 282,193; published Sept. 17, 1929.

Compounds used to flavor beverages. Vegetable. W. Davis. 264,319; Nov. 26; Serial No. 276,026; published Sept. 17, 1929.

Ginger ale. Beaufort Co. 264,443; Nov. 26; Serial No. 287,170; published Sept. 17, 1929.

Ginger ale. D. Berman. 264,429; Nov. 26; Serial No. 286,148; published Sept. 17, 1929.

Ginger ale and maltless beverages. Falls City Ice & Beverage Company. 264,828; Nov. 26; Serial No. 264,908; published Sept. 17, 1929.

Syrups, extracts and cordials. E. A. Zatarain & Sons, Incorporated. 264,601; Nov. 26; Serial No. 279,615; published Sept. 17, 1929.

Water, Spring. R. Hardway. 264,466; Nov. 26; Serial No. 287,530; published Sept. 17, 1929.

CLASS 46

Bread. V. J. Barrere. 264,610; Nov. 26; Serial No. 280,872; published Sept. 10, 1929.

Butter, cheese, and eggs. L. Daltch & Co. Inc. 264,366; Nov. 26; Serial No. 287,121; published Sept. 10, 1929.

Butter, milk, and cheese. Blue Valley Creamery Company. 264,399; Nov. 26; Serial No. 287,735; published Sept. 17, 1929.

Cakes. Dougherty Cake Products, Inc. 264,395; Nov. 26; Serial No. 286,983; published Sept. 3, 1929.

Candies. D. Pappageorge. 264,426; Nov. 26; Serial No. 286,450; published Sept. 17, 1929.

Canned beans and tomatoes. Drew Cotton Seed Oil Mill. 264,450; Nov. 26; Serial No. 286,537; published Sept. 17, 1929.

Canned corned beef and cabbage. Jiggs Sales Corporation. 264,308; Nov. 26; Serial No. 283,980; published Sept. 17, 1929.

Canned fish. Custom House Packing Corporation. 264,445; Nov. 26; Serial No. 287,062; published Sept. 17, 1929.

Canned fish. Newport Fish Co. 264,428; Nov. 26; Serial No. 286,258; published Sept. 17, 1929.

Canned fruits, vegetables, mackerel, etc. Southgate Brokerage Co. 264,632; Nov. 26.

Canned sweet kraut. F. Schluben. 264,430; Nov. 26; Serial No. 285,989; published Sept. 17, 1929.

Canned vegetables. Minnesota Valley Canning Company. 264,446; Nov. 26; Serial No. 286,891; published Sept. 17, 1929.

Canned vegetables, pork and beans, and baked beans. Sears & Nichols Corporation. 264,392; Nov. 26; Serial No. 273,257; published Sept. 17, 1929.

Cereals, Breakfast. Nutradiet Co. 264,611; Nov. 26; Serial No. 279,872; published Sept. 10, 1929.

Cereals, Breakfast. Nutradiet Co. 264,612; Nov. 26; Serial No. 279,870; published Sept. 10, 1929.

Cereals, Breakfast. Nutradiet Co. 264,613; Nov. 26; Serial No. 279,867; published Sept. 10, 1929.

Cheese. Davis Cheese Company. 264,400; Nov. 26; Serial No. 287,794; published Sept. 10, 1929.

Cheese, Popcorn. Cheese Company. 264,608; Nov. 26; Serial No. 284,953; published Sept. 3, 1929.

Coffee. Fred W. Albrecht Grocery Company. 264,336; Nov. 26; Serial No. 282,591; published Sept. 17, 1929.

Coffee. Lee & Cady. 264,456; Nov. 26; Serial No. 288,384; published Sept. 17, 1929.

Dates, marmalades of dates, etc. B. B. Belda. 264,838; Nov. 26; Serial No. 283,547; published Sept. 17, 1929.

Eggs. H. Atlas. 264,454; Nov. 26; Serial No. 285,144; published Sept. 10, 1929.

Feed, Stock. Hubbard Milling Company. 264,397; Nov. 26; Serial No. 287,141; published Sept. 17, 1929.

Feeds. Aubrey & Company. 264,615; Nov. 26; Serial No. 279,208; published Sept. 17, 1929.

Feeds, Horse, poultry, dairy, and stock. Aubrey & Company. 264,614; Nov. 26; Serial No. 279,209; published Sept. 10, 1929.

Flour, Wheat. Robinson Milling Co. 264,307; Nov. 26; Serial No. 287,944; published Sept. 10, 1929.

Flour, Wheat and self-rising. Colorado Milling & Elevator Co. 264,605; Nov. 26; Serial No. 284,935; published Sept. 10, 1929.

Food for poultry and livestock. Universal Mills. 264,341; Nov. 26; Serial No. 286,523; published Sept. 3, 1929.

Oleomargarine, mayonnaise, dressing, etc. Hill Food Products Company. 264,629; Nov. 26.

Olive oil. John Wagner & Sons. 264,609; Nov. 26; Serial No. 283,475; published Sept. 10, 1929.

Pies, Fried. F. Turner. 264,453; Nov. 26; Serial No. 285,310; published Sept. 3, 1929.

Pop corn, Flavored and sweetened. George's Honey Kiss Pop Corn, Inc. 264,463; Nov. 26; Serial No. 287,751; published Sept. 17, 1929.

Sandwiches, Luncheon. C. M. Clark. 264,340; Nov. 26; Serial No. 286,420; published Sept. 3, 1929.

Syrup, fruit preserves, honey, etc. Table. Tea Garden Products Co. 264,387; Nov. 26; Serial No. 270,895; published Nov. 27, 1928.

Wafer, Cream-filled. F. Fevola. 264,451; Nov. 26; Serial No. 286,814; published Sept. 3, 1929.

CLASS 48

Beverages, Malt. Val Blatz Brewing Company. 264,427; Nov. 26; Serial No. 286,347; published Sept. 17, 1929.

ALPHABETICAL LIST OF LABELS

Agneau Crème. For Face Cream. Dr. H. W. Lamb. 36,688; Nov. 26.

Bald Eagle Ranch. For Fresh Grapes. J. Skittone. 36,696; Nov. 26.

Callisons Robin Hood Evergreens. For Evergreens. Callisons, Incorporated. 36,674; Nov. 26.

Calol Liquid Gloss. For Polish. Standard Oil Company of California. 36,698; Nov. 26.

Carnation Bread. For Bread. Rainier Baking Company. 36,694; Nov. 26.

Colgate's Ribbon Dental Cream. For Dental Cream. Colgate-Palmolive-Pect Company. 36,675; Nov. 26.

Colorado Joslyn. For Fresh Apples. C. W. Joslyn. 36,682; Nov. 26.

Cream Top Bread. For Bread. Oakland Baking Co. 36,685; Nov. 26.

ALPHABETICAL LIST OF LABELS

Dead Shot. For Insecticide. Trager Manufacturing Co. 36,706; Nov. 26.
 Dromedary Pimentos. For Pimentos. Hills Brothers Company. 36,680; Nov. 26.
 18-K. For Barley-Malt Syrup. Philadelphia Malt Extract Company. 36,691; Nov. 26.
 Elephant Seat. For Men's Trousers. Bedford Johnson Company, Inc. 36,671; Nov. 26.
 Hi-Tone. For Birdseed. Albers Bros. Milling Co. 36,669; Nov. 26.
 Klenzol. For Preparation for Cleaning Clothes. F. O. Thompson. 36,699; Nov. 26.
 Lucca. For Olive Oil. Genovesi Bros., Zappelli & Co. 36,679; Nov. 26.
 Manhattan Tailored Caps. For Caps. Trade Lithograph & Printing Company. 36,701; Nov. 26.
 McMillan All-Wools. For Men's Trousers. Bedford Johnson Company, Inc. 36,670; Nov. 26.
 Nesrin Ointment. For Medicinal Preparation. Drug Products Co. 36,677; Nov. 26.
 New Yorker. For Cigars. Blum De Luxe Cigar Co. Inc. 36,672; Nov. 26.
 1 Gallon Hyclorite. Concentrated Sodium Hypochlorite. For Sodium-Hypochlorite Fluid. General Laboratories, Inc. 36,675; Nov. 26.
 Pacific Golf Balls. For Golf Balls. Pacific Golf Ball, Ltd. 36,687; Nov. 26.
 Pacific Prince Golf Balls. For Golf Balls. Pacific Golf Ball, Ltd. 36,686; Nov. 26.
 Package of the Month. For Candy. Mason Box Company. 36,684; Nov. 26.
 Peterson's Salted Almonds. For Nuts. Peterson Nut Company. 36,690; Nov. 26.

Peterson's Salted Mixed Nuts. For Nuts. Peterson Nut Company. 36,688; Nov. 26.
 Peterson's Salted Pecans. For Nuts. Peterson Nut Company. 36,689; Nov. 26.
 Planet Caps Cover the World. For Caps. Trade Lithograph & Printing Company. 36,705; Nov. 26.
 Pool. For Fresh Grapes. Frank M. Pool, Inc. 36,693; Nov. 26.
 Restwel Spring Units for the Rest of Your Life. For Spring Cushions. Burton-Dixie Corporation. 36,673; Nov. 26.
 Royal Flush Caps. For Caps. Trade Lithograph & Printing Company. 36,703; Nov. 26.
 Royal Flush Caps Royal Flush Hats. For Caps and Hats. Trade Lithograph & Printing Company. 36,702; Nov. 26.
 Santa Maria. For Ravioli. Santa Maria Packing Corporation. 36,695; Nov. 26.
 Stanard Headwear. For Caps. Trade Lithograph & Printing Company. 36,700; Nov. 26.
 Standard Hand Separator Oil. For Lubricating Oil. Standard Oil Company of California. 36,697; Nov. 26.
 The Boy's Headwear Made by Dubols of New York. For Caps. Trade Lithograph & Printing Company. 36,704; Nov. 26.
 The Voice of Action. For Sound. Western Electric Company. 36,707; Nov. 26.
 U-Ad-Oil. For Paint in Paste Form. R. F. Johnston Paint Company. 36,681; Nov. 26.
 Varitose. For Ampoules of Solution for Treatment of Varicose Veins. Physicians & Hospitals Supply Co. 36,692; Nov. 26.
 Zep. For Candy Bar. D. Dickinson. 36,676; Nov. 26.

ALPHABETICAL LIST OF PRINTS

A Sonatron Life Test. For Radio Tubes. Sonatron Tube Company. 12,236; Nov. 26.
 Color for the Bedroom. For Blankets. Nashua Manufacturing Company. 12,231; Nov. 26.
 Dri-Cle. Dawn of Successful Home Dry Cleaning. For Dri-Cle, Soap Preparations Used in the Dry Cleaning of Garments and Materials. Dri-Cle Company. 12,223; Nov. 26.
 Guaranteed Indestructible. For Imitation Pearls. Paramount Distributors. 12,232; Nov. 26.
 Here's a New Color Note in Nashua Part Wool Blankets. For Blankets. Nashua Manufacturing Company. 12,229; Nov. 26.
 Jax. For Lager Brew. Jackson Brewing Company. 12,235; Nov. 26.

Make a Point to Keep Tab on Your Breath. For Medicated Tablet. R. Pauley. 12,233; Nov. 26.
 Metal Master. For Welding and Cutting Equipment and Supplies. Purox Company. 12,234; Nov. 26.
 Oakland Farm Greyhounds. For Greyhounds. G. W. Helntz. 12,227; Nov. 26.
 The Monarch Way. For Groceries. Reid, Murdoch & Co. 12,235; Nov. 26.
 Use Forban's Antiseptic. For Mouth Wash. Forhan Company. 12,226; Nov. 26.
 What Color Dominates Your Room. For Blankets. Nashua Manufacturing Company. 12,230; Nov. 26.
 When Twice Daily. For Tooth Paste. Forhan Company. 12,224; Nov. 26.
 Who Everybody. For Tooth Paste. Forhan Company. 12,225; Nov. 26.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Esbaugh, Jesse E., assignor.)
 A C Spark Plug Company. (See Kamrath, Herbert G., assignor.)
 A. G. für Chemische Industrie in Liechtenstein. (See Thalhofer, Walter, assignor.)
 Ackerman, Harold T., Detroit, assignor to himself, J. W. Matteson, and E. Prouty, Highland Park, Mich. Truck and bus identifying light. 1,737,898; Nov. 26.
 Adam, Fred B., St. Louis, Mo. All-master, multicontact, pilot switch. 1,736,991; Nov. 26.
 Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Electrical transmission system. 1,736,814; Nov. 26.
 Air Line Transportation Company. (See Wagner, George P., assignor.)
 Albersheim, Walter J., assignor to Radio Corporation of America, New York, N. Y. Audion tube. 1,736,815; Nov. 26.
 Albertine, Herman, East Rutherford, N. J., assignor, by mesne assignments, to Rogers Products Co. Inc. Reservoir grease gun. 1,737,309; Nov. 26.
 Albertson & Company. (See Albertson, F. O., and Olsen, assignors.)
 Albertson, Frans O., and G. Olsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Abrasive device. 1,736,869; Nov. 26.
 Alex, Max, Davenport, Iowa. Refrigerating system. 1,736,773; Nov. 26.
 Alex, Max, Davenport, Iowa. Refrigerating system. 1,736,774; Nov. 26.
 Allen, Frank M., Claymont, Del., assignor to Congoleum-Nairn, Inc., Printing. 1,737,348; Nov. 26.
 Allen, George B., Atlanta, Ga. Air purifying and deodorizing device. 1,737,532; Nov. 26.
 Allis-Chalmers Manufacturing Company. (See Merkel, W. J., and Shaw, assignors.)
 Almqvist, Milton L., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Alternating-current relay. 1,736,816; Nov. 26.
 Altmar, George, and J. A. Campbell, Parsons, Kans., assignors to E. H. and M. H. Baker, Davenport, Iowa. Flue sander. Re17,506; Nov. 26.
 Amco, Incorporated. (See Morton, William A., assignor.)
 American Bitumuls Company. (See Braun, Carl A., assignor.)
 American Can Company. (See Lindgren, Stanley H., assignor.)
 American Can Company. (See Peters, John F., assignor.)
 American Concrete Products Co. (See Hanna, David B., assignor.)
 American Cyanamid Company. (See Barsky, George, assignor.)
 American Mills Company, The. (See Shields, Andrew, assignor.)
 American Protein Corporation. (See Wescott, William B., assignor.)
 American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
 American Telephone and Telegraph Company. (See Almqvist, Milton L., assignor.)
 American Telephone and Telegraph Company. (See Gary, L. A., and Tasker, assignors.)
 American Telephone and Telegraph Company. (See Haines, William T., assignor.)
 American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
 American Type Founders Company. (See Kelly, William M., assignor.)
 Amrein, Joseph, Brooklyn, N. Y. Ontrigger scaffold. 1,736,817; Nov. 26.
 Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
 Anderson Bros. Mfg. Co. (See Anderson, Swan F., assignor.)
 Anderson, Ren M., Cincinnati, Ohio. Animated sign. 1,737,290; Nov. 26.
 Anderson, Swan F., assignor to Anderson Bros. Mfg. Co., Rockford, Ill. Slab cutter. 1,736,992; Nov. 26.
 Ankersen, George W. (See Babson, H. B., and Ankersen.)
 Anthony, Herman R. C., assignor to French Battery Company, Madison, Wis. Dry-battery construction. 1,737,445; Nov. 26.
 Arnesen, Charlotte, Chicago, Ill. Speed-registering device. 1,737,400; Nov. 26.
 Askania-Werke A.-G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Wünsch, Erich P. G., assignor.)
 Atha, Charles G., Biggar, assignor to Stewarts & Lloyds Limited, Glasgow, Scotland. Lining of iron and steel pipes, tubes, and other hollow bodies. 1,737,446; Nov. 26.
 Atlantic Refining Company, The. (See Chillas, Richard B., Jr., assignor.)
 Atzert, Joseph A., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Separator foot. 1,737,401; Nov. 26.
 Aunnack, Raymond L., Roselle, N. J. Coupling. 1,736,818; Nov. 26.
 Ayers, Arthur U., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,737,137; Nov. 26.
 Ayers, Eugene E., Jr., Chester, and L. H. Clark, assignors to The Sharples Specialty Company, Philadelphia, Pa. Refining fatty oils. 1,737,402; Nov. 26.
 Ayers, Ray C., Lockney, assignor of one-half to J. Collings, Fort Worth, Tex. Thrashing cylinder. 1,736,775; Nov. 26.
 Bader, Herman, Mountville, Salisbury Township, Lehigh County, Pa., assignor to Textile Patents Corporation, Allentown, Pa. Narrow-fabric loom. 1,737,138; Nov. 26.
 Babson, Henry B., and G. W. Ankersen, Chicago, Ill. Apparatus for high-frequency communication. 1,736,870; Nov. 26.
 Bach, George W., assignor to Union Iron Works, Erie, Pa. Roller. 1,736,898; Nov. 26.
 Backström, Stenur M., Stockholm, Sweden, assignor to Electrolux Serval Corporation, New York, N. Y. Refrigeration. 1,736,871; Nov. 26.
 Bacon, George M., assignor to Divco-Detroit Corporation, Detroit, Mich. Control mechanism for motor vehicles. 1,737,489; Nov. 26.
 Baker, E. H., et al. (See Altmar, G., and Campbell, assignors.)
 Baker, George R., and J. C. Paterson, Willesden, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Dough-sheeting machine and the like. 1,737,349; Nov. 26.
 Baker, George R., London, J. W. Epps, Warlingham, and G. W. Perks, Southport, England, assignors to Baker Perkins Company, Incorporated, New York, N. Y. Coating confectionery and the like. 1,737,447; Nov. 26.
 Baker, M. H., et al. (See Altmar, G., and Campbell, assignors.)
 Baker Perkins Company. (See Baker, G. R., and Paterson, assignors.)
 Baker Perkins Company. (See Baker, G. R., Epps, and Perks, assignors.)
 Baker Perkins Company Inc. (See Prescott, William E., assignor.)
 Balcer, Martin C., Ponca City, Okla. Arm rest. 1,737,850; Nov. 26.
 Ball, Edmund B. (See Hurst, J. E., and Ball.)
 Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
 Hammer, Carl P., Venice, Calif. Edge trimmer for shoe soles. 1,737,351; Nov. 26.
 Barber-Colman Company. (See Colman, Howard D., assignor.)
 Barber, George G., New York, N. Y., assignor to Continental Baking Company, Wilmington, Del. Pastry-filling machine. 1,737,069; Nov. 26.
 Barker, William S., Pana, Ill. Farrowing apparatus. 1,737,211; Nov. 26.
 Barnes, Welden F. (See Johnson, D. L., and Barnes.)
 Barsky, George, assignor to American Cyanamid Company, New York, N. Y. Making methylamine. 1,736,872; Nov. 26.
 Barton, Francis M., assignor to Barton Spider Web System, Chicago, Ill. Metallic lathing. 1,736,873; Nov. 26.
 Barton Spider Web System. (See Barton, Francis M., assignor.)
 Batchelder, Harrison E., Marion, Iowa. Pipe. 1,736,819; Nov. 26.
 Bauer Brothers Company, The. (See Brennan, E. M., and Daniel, assignors.)
 Bauer, Karl, Bronx, N. Y. Door peep. 1,737,291; Nov. 26.
 Bauer, Karl, Bronx, N. Y. Observation device. 1,737,292; Nov. 26.
 Bauer, Moritz, Stuttgart, Germany. Working for the cleaning of boiler-feeding water. 1,737,448; Nov. 26.
 Baum, Isaac A., Chicago, Ill. Door framing. 1,737,403; Nov. 26.
 Bausch & Lomb Optical Company. (See Simonds, Royal H., assignor.)
 Bausch and Lomb Optical Company. (See Stevens, F. A., and Welsh, assignors.)

Bausch & Lomb Optical Company. (See Welsh, James W., assignor.)
 Baylis, Robert N., Caldwell, assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Match-package holder. 1,737,139; Nov. 26.
 Bayliss, Gilbert T. (See Pugh, J. V., and Bayliss.)
 Beardslee Chandler Manufacturing Co. (See Ohm, Albert J. D., assignor.)
 Beasley, Ernest C., Joplin, Mo. Carburetor. 1,737,070; Nov. 26.
 Beaupierre, Auguste, Paris, France. Heat accumulator. 1,737,490; Nov. 26.
 Beckwith, Albert Y., administrator. (See Schroeder, Anthony.)
 Bedford Pulp & Paper Company. (See Brydges, W., and Foster, assignors.)
 Beldier, Donald C., trustee. (See Beldier, D. C., and Viken, assignors.)
 Beldier, Donald C., and A. J. Viken, Chicago, Ill., assignor to D. C. Beldier, trustee, and his successors in trust. Hood for camera finders and the like. 1,737,038; Nov. 26.
 Bell, William M., Portsmouth, Ohio. Bung. 1,737,182; Nov. 26.
 Bellin, Daniel J., Bronx, New York, N. Y. Collapsible container. 1,736,874; Nov. 26.
 Bendix Brake Company. (See La Brie, Ludger E., assignor.)
 Bendix Brake Company. (See Sanford, Roy S., assignor.)
 Benner, Raymond C., Bayside, and L. C. Werking, New York, N. Y., assignors, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Preservice protection of storage-battery electrodes. 1,737,039; Nov. 26.
 Benson, George, Hinsdale, Ill. Dual-control sill cock. 1,736,843; Nov. 26.
 Bergmann, Max E., Immendorf, and H. Loewe, Dresden, Germany. Treatment of animal and vegetable fibers. 1,737,104; Nov. 26.
 Bernard, Arthur P., Providence, R. I. Strap buckle. 1,737,404; Nov. 26.
 Bernauer, George W., St. Charles, Mo. Combined curtain, awning, and shade. 1,737,212; Nov. 26.
 Bernon, Louis M., London, England, assignor to one-half to R. J. Walker, Leicester, England. Apparatus for automatically controlling the feed water of steam boilers. 1,737,213; Nov. 26.
 Bernstein, Irving H., New York, N. Y. Fabric-bolt board. 1,736,776; Nov. 26.
 Billington, James H., Company. (See Hall, Washington L., assignor.)
 Birch, John E., Detroit, Mich. Enamel drier. 1,737,293; Nov. 26.
 Birch-Field, Charles A., Larchmont, N. Y. Condenser. 1,736,823; Nov. 26.
 Birnie, Steven, Djember, Java, Dutch East Indies, assignor to Fried. Krupp Grusonwerk A. G., Magdeburg, Ruckan, Germany. Process and apparatus for stripping the kernels of coffee berries and other similar fruits. 1,737,071; Nov. 26.
 Birtwell, Archibald. (See Ordway, Ralph F., assignor.)
 Bischtzky, Franz, Aussig-on-the-Elbe, Czechoslovakia. Recovery of tin and its associated metals from alloys, mechanical mixtures, and ores. 1,737,140; Nov. 26.
 Bissell, Richard E., assignor to Thompson Products, Inc., Cleveland, Ohio. Poppet valve. Re17,499; Nov. 26.
 Bissell, Robert W., Pittsburgh, Pa., assignor to Western Blind and Screen Company, Los Angeles, Calif. Pulley mounting. 1,737,352; Nov. 26.
 Blach, Harold B., Louisville, Ky. Bow necktie and forming the same. 1,737,072; Nov. 26.
 Black, William A., Montclair, N. J., assignor to Lumindex Corporation. Electric candle. 1,736,820; Nov. 26.
 Blaisdell, Sidney B., Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Braiding machine. 1,737,405; Nov. 26.
 Blake, William J., Buffalo, N. Y. Device for swinging double-hung windows. 1,736,962; Nov. 26.
 Blalack, Jacob L., Los Angeles, Calif. Earthquake-operated safety automatic circuit breaker. 1,737,105; Nov. 26.
 Bocchino, Michael, Passaic, N. J. Clothesline tightener. 1,737,406; Nov. 26.
 Bock, Carl J., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Radiator structure. 1,737,353; Nov. 26.
 Boegehold, Alfred L., assignor to General Motors Research Corporation, Detroit, Mich. Shock absorber. 1,737,354; Nov. 26.
 Boggs, Charles R., Waban, assignor to Simplex Wire & Cable Company, Boston, Mass. Electrical insulation. 1,736,899; Nov. 26.
 Bogue, Robert J., Goodnight, Tex. Piston for rotary steam motors. 1,737,355; Nov. 26.
 Boldt, Henry, Appleton, Wis. Breeding kennel. 1,737,073; Nov. 26.
 Booth, Marcus F., Jr., Spencer, Iowa. Spark catcher. 1,737,449; Nov. 26.
 Booty, Philip C. P., assignor to M. T. Daley, Chicago, Ill. Receptacle for face powders. 1,737,294; Nov. 26.
 Bossini, Raoul F. (See Maurel, G., and Bossini.)
 Boving, Jens O., Westminster, London, England. Hydro-pneumatic liquid-raising plant. 1,736,777; Nov. 26.
 Boynton, Carl D., Joplin, Mo. Gun for blowing asphalt and the like. 1,736,768; Nov. 26.

Brand, Ludwig A., Sioux City, Iowa. Radiocondenser. 1,737,074; Nov. 26.
 Brandt, Otto F. K., Hamburg, Germany. Plant for economically using caloric energy. 1,737,075; Nov. 26.
 Braselton, Chester H. (See Brockway, Carl P., assignor.)
 Braselton, Chester H. (See MacLaren, Fred B., assignor.)
 Braun, Carl A., Munich, Germany, assignor, by mesne assignments, to American Bitumuls Company, San Francisco, Calif. Stable aqueous emulsion and making the same. 1,737,491; Nov. 26.
 Breisky, John V., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Light-relay system. 1,736,993; Nov. 26.
 Brennan, Edward M., and A. P. Daniel, assignors to The Bauer Brothers Company, Springfield, Ohio. Attrition mill. 1,737,183; Nov. 26.
 Brenzinger, Julius, Fairfield, assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn. Dyeing machine or the like. 1,737,141; Nov. 26.
 Brewer, Robert W. A., Jenkintown, assignor to H. F. Pitcairn, Bryn Athyn, Pa. Speed-reduction mechanism. 1,736,875; Nov. 26.
 Bright, Alvin J., Christiansburg, Ohio. Carburetor. 1,737,184; Nov. 26.
 British Dyestuffs Corporation Limited. (See Saunders, K. H., and Wignall, assignors.)
 Brockway, Carl P., Toledo, Ohio, assignor to C. H. Braselton, New York, N. Y. Feeding mechanism. 1,737,356; Nov. 26.
 Bronander, Wilhelm B., Montclair, N. J. Friction-drive reduction gearing. 1,737,295; Nov. 26.
 Brookover, Andrew J., Downingtown, Pa. Apparatus for screening paper stock. 1,737,296; Nov. 26.
 Brothers, Edwin S., Brooklyn, N. Y. Power-driven tooth-brush. 1,736,876; Nov. 26.
 Brown, Lawrence C. (See Campbell, L. E., and Brown.)
 Brown, Luther S., Fresno, Calif. Heating device. 1,737,142; Nov. 26.
 Brown, Stewart, Chicago, Ill. Pipe fastening. 1,737,214; Nov. 26.
 Bruce, William M., Jr., Springfield, Ohio. Method of and apparatus for radioreception. 1,737,407; Nov. 26.
 Brunswick-Balke-Collender Company, The. (See de Correvont, Howard P., assignor.)
 Brydges, William, and S. C. Foster, assignors to Bedford Pulp & Paper Company, Inc., Big Island, Va. Making wood pulp. 1,737,542; Nov. 26.
 Buchenberg, Alvin E., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Brush holder. 1,736,844; Nov. 26.
 Buchner, Max, Hannover-Kleefeld, Germany. Production of alkali carbonates and ammonia by saponification of calcium cyanamide. 1,737,297; Nov. 26.
 Buck, Robert H., Alameda, Calif. Nail. 1,737,185; Nov. 26.
 Buda Company, The. (See Gormley, Frank L., assignor.)
 Burch, John F., and A. H. Morton, Billings, Mont. Fishing creel. 1,737,450; Nov. 26.
 Bureau of Engraving, Inc. (See Davidson, Neil A., assignor.)
 Burgess, C. F., Laboratories, Inc. (See Killefoth, Max, assignor.)
 Burgess, C. F., Laboratories, Inc. (See Loomis, Ralph L., assignor.)
 Burgess, C. F., Laboratories, Inc. (See Storey, O. W., and Zimmerman, assignors.)
 Burgess, C. F., Laboratories, Inc. (See Weiss, Howard F., assignor.)
 Burlingame Machine Company. (See Tideman, Carl E., assignor.)
 Burnham, Lawrence H., Lexington, assignor, by mesne assignments, to Hood Rubber Company Inc., Watertown, Mass. Platen press. 1,737,143; Nov. 26.
 Burrows, Gilbert C., Toronto, Ontario, Canada. Window-screen attachment. 1,737,041; Nov. 26.
 Burtchell, Arthur E., San Francisco, Calif. Apparatus for arranging articles for stacking. 1,737,042; Nov. 26.
 Burton, Frank C., assignor to Grigsby-Grunow Company, Chicago, Ill. Radiocabinet. Des. 79,951; Nov. 26.
 Burton, Frank C., assignor to Grigsby-Grunow Company, Chicago, Ill. Combination radio and phonograph cabinet. Des. 79,952; Nov. 26.
 Burton, Frank C., assignor to Grigsby-Grunow Company, Chicago, Ill. Escutcheon plate for radioreceiver. Des. 79,953; Nov. 26.
 Bulkeley, Claude A., and L. W. Child, assignors to Niagara Blower Company, Buffalo, N. Y. Air-conditioning system. 1,737,040; Nov. 26.
 Bullock, Harold G., Flint, Mich. Combined inclinator and fuel economizer. 1,736,963; Nov. 26.
 Caille Brothers Company. (See Smith, Theodore L., assignor.)
 Cambridge Rubber Company. (See Morin, Louis H., assignor.)
 Camel Company. (See Eklind, C. E., and Darrow.)
 Cameron, Wallace J. (See Shields, T. C., and Cameron.)
 Cameron, Louis A., Burlington, N. J., assignor to W. Wood, Philadelphia, Pa. Sand-reconditioning machine for foundry art. 1,737,144; Nov. 26.
 Campbell, John A. (See Altmar, G., and Campbell.)
 Campbell, Leslie E., and L. C. Brown, San Antonio, Tex. Ear curette. 1,737,106; Nov. 26.
 Carlson, Anthony E., Los Angeles, Calif. Rotary bit. 1,737,215; Nov. 26.

Carlton, Richard P., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Composite structure. 1,736,964; Nov. 26.
 Carpenter, Frank D., Concord, assignor of one-half to A. H. Hough, Lebanon, N. H. Steering-wheel lock for automobiles. 1,736,900; Nov. 26.
 Carpenter, Guy, New York, N. Y. Spark arrester. 1,737,145; Nov. 26.
 Carpenter, Wilfred L., Cedar Grove, La. Saw clamp. 1,737,216; Nov. 26.
 Carpet Device Corp. (See Peek, Alva J., assignor.)
 Carroll, William H., Bogota, N. J. Buckle. 1,737,492; Nov. 26.
 Carter, R. L., Company. (See Carter, Ray L., assignor.)
 Carter, Ray L., Phoenix, N. Y., assignor to R. L. Carter Company, Inc. Woodwork ploy. 1,736,965; Nov. 26.
 Case, J. I., Company. (See Hendricks, Simeon B., assignor.)
 Casey, William. (See Smith, Charles, assignor.)
 Castriem, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bias cutter. 1,737,146; Nov. 26.
 Centrifugal Castings Limited. (See Hurst, J. E., and Ball, assignors.)
 Champin, William H., Rochester, N. H. Box. 1,737,186; Nov. 26.
 Chapman Dehydrator Company. (See Chapman, Frank C., assignor.)
 Chapman, Frank C., assignor to Chapman Dehydrator Company, Modesto, Calif. Dehydrator. 1,737,533; Nov. 26.
 Charch, William H., and K. E. Prindle, Buffalo, assignors, by mesne assignments, to du Pont Cellophane Company, Inc., New York, N. Y. Moistureproof material. 1,737,187; Nov. 26.
 Chatfield, Franklin, assignor to Munalswear Corporation, Minneapolis, Minn. Lady's undergarment. 1,737,408; Nov. 26.
 Chatham Metal Spinning and Stamping Corporation. (See Richter, Charles, assignor.)
 Cheatham Electric Switching Device Company. (See Richterkessing, Frank H., assignor.)
 Chemical Works formerly Sandoz. (See Rothlin E., and Müller, assignors.)
 Chicago Gymnasium Equipment Company. (See Gross, Elmer J., assignor.)
 Chicago Manufacturing & Distributing Company. (See McKee, Ralph J., assignor.)
 Chicago Manufacturing & Distributing Company. (See McKee, R. J., and Scheffer, assignors.)
 Child, Lachlan W. (See Bulkeley, C. A., and Child.)
 Childers, John M., Lenoir, N. C. Chair. 1,737,107; Nov. 26.
 Chillas, Richard B., Jr., assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractional-distillation apparatus. 1,736,845; Nov. 26.
 Chirelx, Henri, Paris, France. Frequency regulation. 1,737,147; Nov. 26.
 Christel, Frank O., Columbus, Ohio. Brake. 1,737,357; Nov. 26.
 Christopherson, Calvin F., Canton, N. C. Revolving computing scale. 1,736,821; Nov. 26.
 Chupp, Grady T., Smackover, Ark. Grease cup and closure. 1,737,148; Nov. 26.
 Clark, Baylies V., Annapolis, Md. Transmission gear. 1,737,451; Nov. 26.
 Clark, Frank, Dolliver, Iowa. Reversible after. 1,737,298; Nov. 26.
 Clark, Lee H. (See Ayres, E. E., Jr., and Clark.)
 Claytor, Edward M., Edgewood Acres, and H. E. Cobb, Wilkingsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Current transformer. 1,736,994; Nov. 26.
 Clemence, Edward. (See Simmons, T. H. J., and Clemence.)
 Clerc, Reinhard. (See Schoeller, W., Jordan, and Clerc.)
 Cobb, Harold E. (See Claytor, E. M., and Cobb.)
 Cody, Martin M., Chicago, Ill., assignor to Crane Packing Company. Machine for forming gaskets. 1,736,770; Nov. 26.
 Cohoe Processes, Inc. (See Cohoe, Wallace P., assignor.)
 Cohoe, Wallace P., Riverdale-on-Hudson, assignor to Cohoe Processes, Inc., New York, N. Y. Machine for and method of dyeing cloth and otherwise treating textiles. 1,737,149; Nov. 26.
 Colby, Hayward T. (See Stevenson, R. J., and Colby.)
 Colby, Lura B., administratrix. (See Stevenson, R. J., and Colby.)
 Cole, Harry W., New Rochelle, N. Y., and M. W. McLaren, Detroit, Mich., assignors, by mesne assignments, to The Liquid Carbonic Corporation, New York, N. Y. Removing paint from cylinders and containers. 1,736,846; Nov. 26.
 Collins, Harry R., Allentown, Pa., assignor, by mesne assignments, to Fuller Lehigh Company. Pulverised-fuel furnace. 1,736,847; Nov. 26.
 Collins, Joe. (See Ayers, Ray C., assignor.)
 Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Gear-cutting machine. 1,737,217; Nov. 26.
 Colonial Lamp & Fixture Works, Inc. (See Nelson, Theodore J., assignor.)
 Colonial Lamp & Fixture Works, Inc. (See Nelson, T. J., and J., assignors.)

Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
 Congoleum-Nairn, Inc. (See Allen, Frank M., assignor.)
 Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Step-operated treadle switch. 1,737,409; Nov. 26.
 Conlan, David, Brooklyn, N. Y. Motor-vehicle lock. 1,737,043; Nov. 26.
 Conley, Hugh A., Los Angeles, Calif., assignor of forty-nine per cent to Conley Plastering Machine Co., Incorporated, Bisbee, Ariz. Plastering machine. 1,737,044; Nov. 26.
 Conley Plastering Machine Co., Incorporated. (See Conley, Hugh A., assignor.)
 Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)
 Connolly, George E., Oakland, Calif., assignor to Nichols Copper Company, New York, N. Y. Furnace rabble-arm and tooth construction. 1,736,769; Nov. 26.
 Consolidated Ashcroft Hancock Company. (See Heman, Emil A., assignor.)
 Consolidated Steel Corporation. (See Griffin, Alvah M., assignor.)
 Container Corporation of America. (See Walter, Harrison B., assignor.)
 Continental Baking Company. (See Barber, George G., assignor.)
 Coombes, William, Nottingham, England. Warp or straight-bar knitting machine and the production of fabrics thereon. 1,737,218; Nov. 26.
 Cooper, John J., London, England, assignor to Underwood Elliott Fisher Company, New York, N. Y. Control of electrically-driven reciprocating apparatus. 1,737,358; Nov. 26.
 Cooper, William L., Kankakee, Ill. Cooking range. Des. 79,954; Nov. 26.
 Copeland Products, Inc. (See Mason, George W., assignor.)
 Cope-Swift Company. (See Wilcox, Le Roy, assignor.)
 Coreoran, Edward J., Plains, Pa. Coal-separating apparatus. 1,737,410; Nov. 26.
 Cowell, Design C., Brookdale, Calif. Advertising sign. 1,737,078; Nov. 26.
 Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Desk station for pneumatic-dispatch systems. 1,736,995; Nov. 26.
 Craig, Burnie J., Los Angeles, Calif. Athletic standard. 1,737,108; Nov. 26.
 Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Forming hot glass into mold charges. 1,737,219; Nov. 26.
 Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass feeder. 1,737,220; Nov. 26.
 Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-forming apparatus. 1,737,221; Nov. 26.
 Crane Packing Company. (See Cody, Martin M., assignor.)
 Crank, Gilbert O., Lawton, W. Va. Vehicle. 1,737,493; Nov. 26.
 Cricchio, Paul, assignor to Majestic Lamp Works, New York, N. Y. Lamp or analogous article. Des. 79,955; Nov. 26.
 Crowell, William B. (See Shonnard, H. W., and Crowell.)
 Cuel, Marcel, assignor to Société du Vaporiisateur le Frison, Paris, France. Atomizer. 1,737,299; Nov. 26.
 Cunningham Springless Shade Company. (See Daniel, Cecil A., assignor.)
 Currie, Lauchlin M., Lakewood, Ohio, assignor to National Carbon Company, Inc. Precooking paste in dry cells. 1,737,188; Nov. 26.
 Currier, Arthur L., New Ipswich, N. H. Button-blank-cutting machine. 1,736,901; Nov. 26.
 Curtiss Aeroplane & Motor Corporation. (See Nutt, Arthur, assignor.)
 Curtiss Aeroplane & Motor Company. (See Page, George A., Jr., assignor.)
 Cushing, George H., assignor to Cushing Lamp Incorporated, Washington, D. C. Headlight. 1,736,902; Nov. 26.
 Cushing Lamp Incorporated. (See Cushing, George H., assignor.)
 Cusick, Mary E., Pittsburgh, Pa. Shoe-display stand. Des. 79,956; Nov. 26.
 Daley, Michael T. (See Booty, Philip C. P., assignor.)
 Dallin, David, and A. L. Senn, Seattle, Wash. Elevator. 1,736,877; Nov. 26.
 Dalmas, Amedeus G., Oakland, Calif. Toothbrush. 1,736,996; Nov. 26.
 Dalois, Jules G., Courbevoie, France. Electric mine lamp. 1,736,997; Nov. 26.
 Daniel, Allan P. (See Brennan, E. M., and Daniel.)
 Daniel, Cecil A., assignor to Cunningham Springless Shade Company, Greensboro, N. C. Curtain-shade roller. Re17,507; Nov. 26.
 Darby, Samuel E., trustee. (See Parker, Richard B., assignor.)
 Darche, Albert A. A., Algiers, France. Device insuring an intense stirring up in explosion motors provided with two lateral valve boxes (T heads). 1,737,452; Nov. 26.
 Darrach, Bradford, Jr., Hartdale, assignor to Laminated Shm Company, Inc., Long Island City, N. Y. Shm. 1,736,998; Nov. 26.
 Darrow, William W. (See Eklind, C. E., and Darrow.)
 Davidson, Eli, Chelsea, Mass. Temporary binder. 1,737,109; Nov. 26.

Davidson, Nell A., assignor to Bureau of Engraving, Inc., Minneapolis, Minn. Display device for cartons and the like. 1,737,077; Nov. 26.
 Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,737,045; Nov. 26.
 Davis, Cortland W., Oak Park, assignor to The Mantle Lamp Company of America, Chicago, Ill. Flame spreader. 1,737,359; Nov. 26.
 Davis, Henry O., Brockton, Mass. Last bushing and making the same. 1,739,999; Nov. 26.
 Davis, Joseph. (See Rose, John W., assignor.)
 Davis, Patrick H., Leonia, N. J. Conveyor belt for washing machines and the like. 1,737,150; Nov. 26.
 Davis, Sidney L., assignor to Morganmade, Incorporated, Keene, N. H. Pump. 1,737,534; Nov. 26.
 Dayton, Joseph H., Los Angeles, Calif. Holding device for ironing-board covers. 1,737,300; Nov. 26.
 Deans, Frank B., Sharon Hill, Pa. Battery-crate cover. 1,737,411; Nov. 26.
 De Back, William, San Leandro, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Cooking apparatus. 1,736,778; Nov. 26.
 Decker, Theodore H., Highland Park, Ill. Registering mechanism for golf driving machines. 1,737,000; Nov. 26.
 De Correvont, Howard P., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Toilet-seat hinge. Des. 79,957; Nov. 26.
 De Guire, Olfan. (See Mortenson, O., and De Guire.)
 De Jon Electric Corporation. (See Patterson, Harry R., assignor.)
 Delaney, Frederick W. (See Parker, W. H., and Delaney.)
 Delaval-Crow, Thomas C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing mounting. 1,736,966; Nov. 26.
 Delco-Light Company. (See Starr, Frank F., assignor.)
 De Lorenzi, Otto, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-fuel burner. 1,736,903; Nov. 26.
 Denner, Norman H., Lakewood, Ohio. Casting machine. 1,737,001; Nov. 26.
 Derhyshire, George H., Germantown, Pa. Holding device. 1,737,151; Nov. 26.
 Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Sectional repair bag. 1,737,110; Nov. 26.
 Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for marking rubber and rubberized material. 1,737,111; Nov. 26.
 Desaye, Anthelme, Clifton, N. J. Speed boat. 1,736,904; Nov. 26.
 Despard, Victor R., and H. C. R. Popp, Valparaiso, Ind., assignors to McGill Manufacturing Company. Connecting block for electric-light clusters. 1,736,779; Nov. 26.
 De Vilex, Charles B., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Rotatable work table. 1,737,002; Nov. 26.
 De Wagner, Maggy B., Paris, France, assignor to Lenthéric, Incorporated, New York, N. Y. Bottle. Des. 79,958; Nov. 26.
 Dewey, Seymour B., Jr., Cleveland, Ohio, assignor to T. H. Taylor, East McKeesport, Pa. Cleaning compound. 1,737,222; Nov. 26.
 Dewey, Seymour B., Jr., Cleveland, Ohio, assignor to T. H. Taylor, East McKeesport, Pa. Making cleaning compounds. 1,737,223; Nov. 26.
 De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,736,780; Nov. 26.
 Dickey, Lee W., Richmond, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Vacuum nozzle. 1,736,771; Nov. 26.
 Dickinson, Louis V., Detroit, Mich. Wire tightener. 1,736,848; Nov. 26.
 Diehl Manufacturing Company. (See Karle, John D., assignor.)
 Dijksterhuis, Popko R., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge-tube system. 1,737,224; Nov. 26.
 Diabro, Roger W., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Wheel construction. 1,737,360; Nov. 26.
 Divco-Detroit Corporation. (See Bacon, George M., assignor.)
 Doornberger, John A. (See Pilcher, J. A., and Doornberger.)
 Doherty, Ella M., et al., executors. (See Doherty, James.)
 Doherty, James, deceased, Chicago, Ill.; E. M. Doherty and J. R. Doherty, executors. Sectional furnace. 1,737,003; Nov. 26.
 Doherty, James R., et al., executors. (See Doherty, James.)
 Dold, Donald T., et al. (See Saffold, C. R., and Tauffener, assignors.)
 Dold, M'Liss, et al. (See Saffold, C. R., and Tauffener, assignors.)
 Doran, James J., deceased, Ely, Nev.; S. M. Doran, administratrix. Pin for soft collars. 1,737,453; Nov. 26.
 Doran, Susan M., administratrix. (See Doran, James J.)
 Doty, William W., Great Kills, N. J., assignor to New Century Spring Corporation, New York, N. Y. Cushion spring. 1,737,112; Nov. 26.
 Douglas, Harry A., Bronson, Mich. Handle and its mounting. 1,736,849; Nov. 26.

Dow Chemical Company, The. (See Heath, Sheldon B., assignor.)
 Dow Chemical Company, The. (See Veazey, William R., assignor.)
 Drall, Albert. (See Pixley, John H., assignor.)
 Dravo Contracting Company, The. (See Dravo, Francis R., assignor.)
 Dravo, Francis R., Edgeworth, Pa., assignor to The Dravo Contracting Company, Charleroi, Pa. Washing gravel. 1,737,004; Nov. 26.
 Dreckmann, Lucy, Swanville, Minn. Ironing-board hinge. 1,737,494; Nov. 26.
 Dreisbach, Charles A., New Haven, Conn. Piston mechanism for engines and pumps. 1,736,822; Nov. 26.
 Drews, Rudolph A. A., Iowa City, Iowa. Device for twisting wire in concrete-form work. 1,736,781; Nov. 26.
 Dunker, Louis H. A., Birmingham, England. Construction of roads and the like. 1,737,412; Nov. 26.
 Dunn, John C., Providence, R. I. Cloth board and its manufacture. 1,737,361; Nov. 26.
 Dunner, Julius, New York, N. Y. Feather-plucking device. 1,737,225; Nov. 26.
 Dunner, Julius, New York, N. Y. Tapered roller feather-plucking device. 1,737,226; Nov. 26.
 Du Pont Cellophane Company. (See Charch, W. H., and Frindle, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Emhardt, John C., assignor.)
 Duvall, William J., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Bed construction. 1,736,878; Nov. 26.
 Duwe, Friedrich, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Roller weft. 1,736,850; Nov. 26.
 Duwe, Friedrich, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Roller weft with extension gate. 1,736,851; Nov. 26.
 Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotary roller. 1,737,005; Nov. 26.
 Economy Baler Company. (See McLean, John H., assignor.)
 Eddins, Web M., Barnett, Miss. Trim saw. 1,737,362; Nov. 26.
 Ehrhart, William, Lancaster, Pa. Dough-cooking apparatus. 1,737,363; Nov. 26.
 Ehrlich, Joseph. (See Ehrlich, Ludwig and J.)
 Ehrlich, Ludwig and J., Hardheim, Germany. Closing means for discharge orifices. 1,737,301; Nov. 26.
 Eklind, Carl E., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Sliding-door fitting. 1,737,227; Nov. 26.
 Electric Auto-Lite Company, The. (See Buchenberg, Alvin E., assignor.)
 Electric Directory Corporation. (See Richardson, Thomas P., Jr., assignor.)
 Electrolux Servel Corporation. (See Bäckström, Sigurd M., assignor.)
 Electro Metallurgical Company. (See Kinzel, Augustus B., assignor.)
 Elevator Supplies Company. (See Shonhard, H. W., and Crowell, assignors.)
 Elliott Core Drilling Company. (See McQuiston, Arnel E., assignor.)
 Elliott, Harold F., Palo Alto, Calif., assignor to Victor Talking Machine Company, Camden, N. J. Radioreceiving system. 1,737,078; Nov. 26.
 Elliott, Harold F., Palo Alto, Calif., assignor to Victor Talking Machine Company, Camden, N. J. Radio signal volume control. 1,737,079; Nov. 26.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Suspension composition. 1,737,006; Nov. 26.
 Ellis, Edwin E., Short Hills, N. J. Sintering apparatus. 1,737,007; Nov. 26.
 Ellis-Foster Company. (See Ellis, Carleton, assignor.)
 Ellis, Lockwood B., assignor to General Motors Corporation, Detroit, Mich. Notched-face piston ring. 1,737,302; Nov. 26.
 Ellwanger, Ernest. (See Evans, Dennis E., assignor.)
 Ely, Alonzo B., and E. L. Harmon, Groton, assignors to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,737,113; Nov. 26.
 Emhardt, John C., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrocellulose composition. 1,737,364; Nov. 26.
 Engstrand, Gunnar C., Brooklyn, assignor to Salvage Process Corporation, New York, N. Y. Oil-pumping apparatus. 1,737,080; Nov. 26.
 Epps, James W. (See Baker, G. R., Epps, and Perks.)
 Epstein, Albert K., Chicago, Ill. Egg product and producing the same. 1,737,365; Nov. 26.
 Erie Malleable Iron Company. (See Selah, Howard A., assignor.)
 Erola, Einar, Salem, Mass. Wall board. 1,737,413; Nov. 26.
 Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Ammeter-magnetic-pointer type. 1,737,803; Nov. 26.
 Enstis, Frederic A., Milton, Mass. Humidifier. 1,737,008; Nov. 26.
 Evans, Dennis E., assignor of seven-twentieths to E. Ellwanger, Hobart, Okla. Hair-curling form. 1,737,152; Nov. 26.

Evans, Porter H., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Power-line signalling. 1,736,852; Nov. 26.
 Evernu Corporation. (See Young, Willis H.)
 Ewing, Urbane J., Wilkesburg, Pa. Mop. 1,737,306; Nov. 26.
 Exton, Edward A., assignor to Irwin Foundry and Mine Car Company, Irwin, Pa. Industrial car wheel. 1,737,228; Nov. 26.
 Eye fatigue, Preventing. A. B. Hurley. Re17,502; Nov. 26.
 Ezbelent Fils. (See Ezbelent, Georges and R., assignors.)
 Ezbelent, Georges and R., assignors to Ezbelent Fils, Paris, France. Plaiting machine. 1,737,304; Nov. 26.
 Ezbelent, Roger. (See Ezbelent, Georges and R.)
 Fassnacht, Karl, assignor to Speidel Chain Co., Providence, R. I. Chain. 1,736,772; Nov. 26.
 Federal Mail Box Co., The. (See Ward, James H., Jr., assignor.)
 Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
 Feldmar, Adalbert B., Berlin-Schöneberg, Germany. Stone drill. 1,737,495; Nov. 26.
 Fellmer, Ernst, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Trisazo dyestuff. 1,736,905; Nov. 26.
 Feroldi, Enrico, Turin, Italy. Carburetor. 1,737,496; Nov. 26.
 Fibroc Insulation Company. (See Frederick, Louis T., assignor.)
 Fidelity Machine Company. (See Blaisdell, Sidney B., assignor.)
 Finkelstein, Harry L., assignor to Manhattan Terrazzo Brass Strip Co., Inc., New York, N. Y. Strip-forming machine. 1,737,367; Nov. 26.
 Finnegan, Wilfred A., Bangor, Me. Holder for Christmas trees, etc. Re17,505; Nov. 26.
 Finney, James M. (See Schroeder, Anthony, assignor.)
 Fireproof Wall Company. (See Thurman, W. B., and Hild, assignors.)
 Fisher, Dudley T., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,736,853; Nov. 26.
 Fisk Rubber Company, The. (See Castricum, Martin, assignor.)
 Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)
 Fisk Rubber Company, The. (See Irrgang, William F., assignor.)
 Fisk Rubber Company, The. (See Lehman, Paul W., assignor.)
 Fisk Rubber Company, The. (See Richey, Albert E., assignor.)
 Fitz-Empire Double Pivot Last Company. (See Schelter, George G., assignor.)
 Fitz Gerald, Arthur G., Brookline, Mass. Inner tube for pneumatic tires. 1,737,368; Nov. 26.
 Fleming, Charles T., Santa Fe Springs, Calif. Fishing-tool attachment. 1,737,305; Nov. 26.
 Flintermann, Gerhard, West Orange, N. J. Heat-exchange device. 1,736,906; Nov. 26.
 Foley, Ernest L., Alpena, Mich. Medicament applicator. 1,737,454; Nov. 26.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door lock. 1,737,414; Nov. 26.
 Fornay, Walter S. (See Mitchell, Walter T., assignor.)
 Foster, Spottswood C. (See Brydges, W., and Foster.)
 Foucher, Constance, Los Angeles, Calif. Support for sad-irons. 1,737,081; Nov. 26.
 Fowler, Douglas B. and J. R. Olney, Tex. Sand-testing device for oil wells. 1,736,907; Nov. 26.
 Fowler, John R. (See Fowler, Douglas B. and J. R.)
 Franey, Martin J., Shenandoah, Pa. Periodical holder. 1,736,908; Nov. 26.
 Franklin-American Trust Company, administrator. (See Fynn, Valère A.)
 Franklin Railway Supply Company. (See Peters, Frank R., assignor.)
 Fraser, Warren F., Westboro, Mass. Grinding machine. 1,736,967; Nov. 26.
 Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Forming gear blanks and the like. 1,737,455; Nov. 26.
 French Battery Company. (See Anthony, Herman R. C., assignor.)
 Fried, Krupp Grusonwerk A. G. (See Birnie, Steven, assignor.)
 Fried-Ostermann Co. (See Ostermann, Albert H., assignor.)
 Frigidaire Corporation. (See Wyatt, De Witt H., assignor.)
 Frink, Robert L., Lancaster, Ohio. Making refractories. 1,736,909; Nov. 26.
 Fritache, John, Merion, Pa. Soap dispenser. 1,736,824; Nov. 26.
 Frost, George W., Milwaukee, Wis. Switch for systems of automotive safety signalling. 1,737,229; Nov. 26.
 Fuller Lehigh Company. (See Collins, Harry R., assignor.)
 Fulton, Nell, New York, N. Y. Comb cleaner. 1,736,782; Nov. 26.
 Funnell, Harry M., New Market, N. J. Universal joint. 1,737,535; Nov. 26.

Fynn, Valère A., deceased, St. Louis, Mo.; Franklin-American Trust Company, administrator. Dynamo-electric machine. 1,737,009; Nov. 26.
 Gabrielson, Carl, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Key-set tabulator for typewriting machines. 1,737,306; Nov. 26.
 Gammeter, John R., Akron, Ohio. Pneumatic tire and manufacturing the same. 1,737,415; Nov. 26.
 Garber, Harry E. (See Pearson, T., and Garber.)
 Garlin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure-fluid motor. 1,737,456; Nov. 26.
 Gary, Laurence A., San Francisco, and H. G. Tasker, Los Angeles, Calif., assignors to American Telephone and Telegraph Company. Measurement of electrical resistance. 1,736,783; Nov. 26.
 Gattle, Emmanuel M., New York, N. Y. Bill holder. 1,737,230; Nov. 26.
 Geddes, David, Berkeley, Calif. Elevator bucket. 1,737,231; Nov. 26.
 Gehrig, Walter, Detroit, Mich. Power steering apparatus. Re17,508; Nov. 26.
 General Aniline Works, Inc. (See Fellmer, Ernst, assignor.)
 General Aniline Works, Inc. (See Rabe, Paul, assignor.)
 General Chemical Company. (See Merriam, Henry F., assignor.)
 General Linen Supply & Laundry Co. Inc. (See Troy, Max, assignor.)
 General Motors Corporation. (See Ellis, Lockwood B., assignor.)
 General Motors Corporation. (See Gibbons, Harold R., assignor.)
 General Motors Corporation. (See Hutchinson, Phillip H., assignor.)
 General Motors Corporation. (See Manning, William H., assignor.)
 General Motors Corporation. (See Olivier, Herman C., assignor.)
 General Motors Corporation. (See Wilson, Earl R., assignor.)
 General Motors Corporation. (See Whitecar, Frank, assignor.)
 General Motors Research Corporation. (See Boegehold, Alfred L., assignor.)
 General Motors Research Corporation. (See Hunt, John H., assignor.)
 General Motors Research Corporation. (See King, Jesse G., assignor.)
 General Railway Signal Company. (See Ross, Oscar A., assignor.)
 General Refractories Company. (See Himmelright, Raleigh J., assignor.)
 Gesellschaft für Drahtlose Telegraphie m. b. H. (See Oenos, Mendel, assignor.)
 Geuder, Paeschke & Frey Company. (See Hois, Louis J., assignor.)
 Geuder, Paeschke & Frey Company. (See Kempter, Philip, assignor.)
 Gibbons, Harold R., Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich. Assembling bearings. 1,736,959; Nov. 26.
 Gibbs, William H., Milwaukee, Wis. Hammer. 1,737,497; Nov. 26.
 Gihney, Robert F., Hackensack, N. J. Polishing machine. 1,737,416; Nov. 26.
 Gideon, William P., Birmingham, Ala. Backband. 1,737,307; Nov. 26.
 Gidley, Columbus M., Corsicana, Tex. Elevator. 1,737,369; Nov. 26.
 Girdlestone, Herbert T., and J. Rest, London, England. Collapsible container. 1,737,417; Nov. 26.
 Glenwood Range Company. (See Wilde, Samuel A., assignor.)
 Gloekler, John E., Pittsburgh, Pa. Counterweight mechanism. 1,736,784; Nov. 26.
 Goertz, Albert, New York, N. Y., assignor to Tri-Lok Company, Pittsburgh, Pa. Composite metal structure. 1,736,968; Nov. 26.
 Gommessen, Arthur, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis. Radiatable. Des. 79,959; Nov. 26.
 Gommessen, Arthur, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis. Radiatable. Des. 79,960; Nov. 26.
 Gommessen, Arthur, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis. Radiatable. Des. 79,961; Nov. 26.
 Gommessen, Arthur, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis. Radiatable. Des. 79,962; Nov. 26.
 Goodknight, Alva L., Fort Worth, Tex. Air-brake mechanism. 1,736,910; Nov. 26.
 Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
 Gornley, Frank L., Chicago, assignor to The Buda Company, Harvey, Ill. Safety device for screw jacks. 1,737,153; Nov. 26.
 Gorsuch, Howard F. (See Hughes, A. S., and Gorsuch.)
 Goss Printing Press Company. (See Schroeder, Hans C., assignor.)
 Gough Aircraft Corporation. (See Gough, Frank E., assignor.)

Gough, Frank E., Oklahoma City, Okla., assignor to Gough Aircraft Corporation. Variable-compression internal-combustion engine. 1,737,082; Nov. 26.
 Gould, Wallace O., Brunswick, Me., clock casing. Des. 79,963; Nov. 26.
 Gow, John M., Muskegon, Mich., meter lubricator. 1,737,457; Nov. 26.
 Grand Rapids Brass Company. (See Roedding, Gordon E., assignor.)
 Gray, Chester E. (See Turnbow, Grover D., assignor.)
 Gray, Christian H., London, England. Method of and apparatus for covering cylindrical rollers with rubber. 1,736,911; Nov. 26.
 Greiner, Carl. (See Tauffenbach V., and Greiner.)
 Greiser, Erich, Berlin-Neukölln, Germany. Atomizing device for pulverulent material. 1,736,969; Nov. 26.
 Griffin, Alvah W., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif. Floating deck and ladder therefor. 1,736,825; Nov. 26.
 Griffin, William M., Fort Wayne, Ind., assignor to The Wayne Home Equipment Company, Baltimore, Md. Combustion tube for oil burners. 1,737,232; Nov. 26.
 Griffith, George G. (See Hilstad, John R., assignor.)
 Griffiths, William U., Philadelphia, Pa., controlling the discharge of water into flush tanks. 1,737,233; Nov. 26.
 Grigsby-Grunow Company. (See Burton, Frank C., assignor.)
 Grison, Joseph, New York, N. Y., washbottle attachment. 1,737,234; Nov. 26.
 Gross, Benjamin & Edward J., Co. (See Gross, Edward J., assignor.)
 Gross, Edward J., New Rochelle, assignor to Benjamin & Edward J. Gross Co. Inc., New York, N. Y. Finger ring or similar article. Des. 80,009; Nov. 26.
 Gross, Elmer J., assignor to Chicago Gymnasium Equipment Company, Chicago, Ill. Backboard. 1,736,879; Nov. 26.
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Tuning device for wind musical instruments. 1,736,880; Nov. 26.
 Haager, Hans, Bad Hall, Austria. Refrigerating or cooling apparatus. 1,737,083; Nov. 26.
 Haas, Joseph F., Forest Park, assignor to Wodack Electric Tool Corporation, Chicago, Ill. Power-driven tool. 1,736,970; Nov. 26.
 Haber, Eugen, Berlin-Charlottenburg, Germany. Heat exchanger. 1,737,189; Nov. 26.
 Hagist, Emil T., Philadelphia, Pa., assignor, by mesne assignments, to T. E. Murray, Jr., Brooklyn, N. Y. Switch box. 1,737,235; Nov. 26.
 Haines, William T., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Measuring system. 1,736,785; Nov. 26.
 Halcolite Company. (See Rotellini, Martin S., assignor.)
 Hale & Kilburn Co. (See Wetzell, Edward A., assignor.)
 Hall, Robert F., Schenectady, N. Y. Locomotive. 1,736,881; Nov. 26.
 Hall, Washington L., assignor to James H. Billington Company, Philadelphia, Pa. Shuttle. 1,737,370; Nov. 26.
 Halliwell, John J., Tuckahoe, assignor to R. Hoe & Co., Inc., New York, N. Y. Perfecting press. 1,737,190; Nov. 26.
 Halsted, Arthur, Clarendon, Va. Effecting soaring flights and aeroplanes therefor. 1,737,191; Nov. 26.
 Ham, Robert L., Boston, Mass., assignor to Summit Thread Company, East Hampton, Conn. Sewing-machine shuttle. 1,737,418; Nov. 26.
 Hamm, Herbert A., Pasadena, and R. P. Miller, San Gabriel, Calif. Saw-tooth roof structure. 1,737,371; Nov. 26.
 Hanes, Lewis F., Greensboro, N. C. Heat distributor for cooking vessels. 1,737,498; Nov. 26.
 Hanke, Mary E. (See Ostroick, H. J., and Hanke.)
 Hanna, David B., Park Ridge, Ill., assignor to American Concrete Products Co. Lamp. Des. 79,964; Nov. 26.
 Hanna Engineering Works. (See Hanna, John C., assignor.)
 Hanna, John C., Evanston, assignor to Hanna Engineering Works, Chicago, Ill. Timing and reversing mechanism. 1,737,010; Nov. 26.
 Hanssen, Iver A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Pneumatic tool. 1,737,419; Nov. 26.
 Hardman, Robert C., Portland, Ore. Combined display and vending machine. 1,737,499; Nov. 26.
 Harley, Bertron G., Chesapeake City, Md., assignor of forty-nine one-hundredths to J. E. Walls, Middletown, Del. Boat. 1,737,154; Nov. 26.
 Harmon, Edwin L. (See Ely, A. B., and Harmon.)
 Harnischfeger Corporation. (See Harry, G. M., and Sternberger, assignors.)
 Harris, Max F., Auburn, N. Y. Operating means for caps or lids of gasoline tanks and the like. 1,736,971; Nov. 26.
 Harris-Seybold-Potter Company, The. (See Vallquette, William L., assignor.)
 Harrison Radiator Corporation. (See Muir, Wellington W., assignor.)
 Harry, Geoffrey M., Milwaukee, and C. Sternberger, West Allis, assignors to Harnischfeger Corporation, Milwaukee, Wis. Brake and clutch bands and making the same. 1,736,913; Nov. 26.

Hartford-Empire Company. (See Lorenz, Edward H., assignor.)
 Hartman, Frank, Kensington, London, England. Printing appliance. 1,736,912; Nov. 26.
 Hartman, Max, and J. Kitzl, Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Quaternary ammonium compound and making same. 1,737,458; Nov. 26.
 Hastings, Homer, Detroit, Mich. Tire-pump valve. 1,737,536; Nov. 26.
 Hatch, Fred P., Wollaston, Mass. Demountable rim. 1,737,236; Nov. 26.
 Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Making magnesium arsenate. 1,737,114; Nov. 26.
 Helfenstein, Alois, Vienna, Austria. Driving power-operated vehicles, particularly aircraft. 1,737,011; Nov. 26.
 Helling, Frederick, Hoboken, N. J. Flash-light support. 1,737,237; Nov. 26.
 Henderson, Wilbert D., San Francisco, Calif. Clamping tool. 1,737,046; Nov. 26.
 Hendricks, Simeon B., Rockford, Ill., assignor, by mesne assignments, to J. I. Case Company, Racine, Wis. Disk plow. 1,737,420; Nov. 26.
 Henry, Earl S., Medford, Okla. Steam scoring machine for ice. 1,737,308; Nov. 26.
 Herman, Joseph, Westfield, N. J., assignor to American Telegraph and Telephone Company. Telegraph repeater circuits. 1,736,786; Nov. 26.
 Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric-reel switch. 1,737,309; Nov. 26.
 Herrschaft, William, New York, N. Y. Sign or optical apparatus. 1,737,238; Nov. 26.
 Hewitt, Edward R., Midvale, N. J., assignor to International Motor Company, New York, N. Y. Fuel injector. 1,737,155; Nov. 26.
 Heyn, Myron, Breslau, assignor, by mesne assignments, to the firm Schering-Kahlbaum A. G., Berlin, Germany. Diguandline. 1,737,192; Nov. 26.
 Highland, Alexander, et al. (See Lowe, Earl R., assignor.)
 Hild, Mark W. (See Thurman, W. B., and Hild.)
 Hilstad, John R., Whittier, assignor to G. G. Griffith, Monrovia, Calif. Metal-bending tool. 1,737,084; Nov. 26.
 Himmelright, Raleigh J., New Rochelle, N. Y., assignor to General Refractories Company, Philadelphia, Pa. Refractory arch brick. 1,737,239; Nov. 26.
 Hirschy Company, The. (See Hirschy, Herman C., assignor.)
 Hirschy, Herman C., assignor to The Hirschy Company, Duluth, Minn. Washing machine. 1,737,421; Nov. 26.
 Hoague, James M., Janesville, Wis. Support for overstuffed furniture seats. 1,737,241; Nov. 26.
 Hobart Manufacturing Company. (See Merseles, Henry R., assignor.)
 Hobart Manufacturing Co. (See Navarre, Paul, assignor.)
 Hodgkins, Harold C., Portland, Ore. Vending display cabinet and container for said cabinet. 1,737,156; Nov. 26.
 Hoe, R., & Co. (See Halliwell, John J., assignor.)
 Hoe, R., & Co. (See Ogden, Walter H., assignor.)
 Hoenshel, Paul M., assignor to Mayaca Company, Miami, Fla. Combined irrigation and drainage pump. 1,737,372; Nov. 26.
 Hoffman, Louis, St. Paul, Minn., assignor to Steam Pressing Iron Company, Chicago, Ill. Pressing implement. 1,737,047; Nov. 26.
 Hols, Louis J., assignor to Gauder, Paeschke & Frey Company, Milwaukee, Wis. Steamer roaster. 1,737,240; Nov. 26.
 Holder for Christmas trees, etc. W. A. Finnegan. Re17,505; Nov. 26.
 Holtz, John B., Los Angeles, Calif., assignor to Invention Development Corporation, Carson City, Nev. Advertising column. Des. 79,965; Nov. 26.
 Holtz, John B., Los Angeles, Calif., assignor to Invention Development Corporation, Carson City, Nev. Advertising pedestal for clock and weighing machine. Re79,966; Nov. 26.
 Hood Rubber Company Inc. (See Burnham, Lawrence H., assignor.)
 Hood Rubber Company. (See Wydom, Herbert H., assignor.)
 Hook, C. Howard. (See Mercur, Nathan L., assignor.)
 Hooley, John W., Larchmont, N. Y. Threadless coupling. 1,737,242; Nov. 26.
 Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,737,373; Nov. 26.
 Hormel, August. (See Wagner, C., and Hormel.)
 Horst, Ludwig, Berlin-Wilmersdorf, Germany. Colored film. 1,736,826; Nov. 26.
 Horstmann, Frederick W., Maplewood, N. J. Producing designs in furs. 1,737,086; Nov. 26.
 Horstmann, Frederick W., Maplewood, N. J. Producing designs in furs. 1,737,086; Nov. 26.
 Horstmann, Frederick W., Maplewood, N. J. Fur machine. 1,737,087; Nov. 26.
 Hough, Arthur H. (See Carpenter, Frank D., assignor.)
 Houston, Henry B., New York, N. Y. Edge binder. 1,737,243; Nov. 26.
 Howlett, William L., Los Angeles, Calif. Threading machine. 1,737,310; Nov. 26.

Huebner, William C., Buffalo, N. Y. Preparing and registering printing sheets or films. 1,736,914; Nov. 26.
 Hughes, Arthur S., and H. F. Gorsuch, assignors to The Hughes-Keenan Company, Mansfield, Ohio. Body mounting for tractors. 1,736,787; Nov. 26.
 Hughes-Keenan Company, The. (See Hughes, A. S., and Gorsuch, assignors.)
 Hughes Tool Company. (See Scott, Floyd L., assignor.)
 Hulme, John W., Jackson Heights, N. Y. Zoning and fare-collecting system. 1,737,422; Nov. 26.
 Hunt, John H., assignor to General Motors Research Corporation, Dayton, Ohio. Steering mechanism. 1,737,048; Nov. 26.
 Hurley, Albert B., assignor, by mesne assignments, to National Paper Process Company, New York, N. Y. Preventing eye fatigue. Re17,502; Nov. 26.
 Hurst, James E., Thorncliffe, England, and E. B. Ball, assignors to Centrifugal Castings Limited, Kilmarnock, Scotland. Metal-pouring apparatus for centrifugal casting machines. 1,737,459; Nov. 26.
 Huston, James D., Imperial, Calif. Precooler for refrigerator cars. 1,736,788; Nov. 26.
 Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
 Hutchinson, Philip H., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Spindle mounting. 1,736,972; Nov. 26.
 I. G. Farbenindustrie Aktiengesellschaft. (See Münch, Siegmund, assignor.)
 Ilemann, Emil A., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Motor-operated valve mechanism. 1,736,791; Nov. 26.
 Illmann, Robert, and R. A. Whitson, Glasgow, Scotland. Coating of pipes and tubes and like hollow bodies with a bituminous substance in powdered form. 1,736,915; Nov. 26.
 Immendorf, Eugen. (See Bergmann, M., Immendorf, and Löwe.)
 Independent Pneumatic Tool Company. (See Hanssen, Iver A., assignor.)
 Independent Pneumatic Tool Company. (See Norling, Reinhold A., assignor.)
 Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
 Ingersoll-Rand Company. (See Smith, William A., Jr., assignor.)
 International Combustion Engineering Corporation. (See De Lorenzi, Otto, assignor.)
 International Combustion Engineering Corporation. (See Jackson, George P., assignor.)
 International Motor Company. (See Hewitt, Edward R., assignor.)
 International Motor Company. (See Jupp, William B., assignor.)
 International Motor Company. (See Schantz, Gordon M., assignor.)
 International Toy Corporation. (See MacBride, Donald H., assignor.)
 Invention Development Corporation. (See Holtz, John B., assignor.)
 Irrgang, William F., Chicopee, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Band-turning device. 1,737,157; Nov. 26.
 Irwin Foundry and Mine Car Company. (See Exton, Edward A., assignor.)
 Ivory, Chester S., Philadelphia, Pa. Dental file. 1,737,374; Nov. 26.
 Jackson, George P., Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace-wall construction. 1,736,882; Nov. 26.
 Jacobs, Aaron J., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Pan support. 1,737,158; Nov. 26.
 Jacobs Bros. Co., The. (See Jacobs, Aaron J., assignor.)
 Jakob, Victor, Racine, Wis. Speed regulator for phonographs. 1,737,244; Nov. 26.
 Janssen, Oscar, St. Louis, Mo. Transmission. 1,736,789; Nov. 26.
 Jeffrey Manufacturing Company, The. (See Fisher, Dudley T., assignor.)
 Jermat, Frantisek, Opava, Czechoslovakia. Weir shutter. 1,737,311; Nov. 26.
 Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for pneumatic tools. 1,737,812; Nov. 26.
 Johannessen, Johannes, Jersey City, N. J. Crank-shaft grinding machine. 1,737,159; Nov. 26.
 Johnson, Carl O., Superior, Wis. Metatarsal arch support and grip. 1,736,827; Nov. 26.
 Johnson, Dion L., and W. F. Barnes, Tulsa, Okla. Well-drilling apparatus. 1,736,854; Nov. 26.
 Johnson, George B., Parker, S. Dak. Inscription device. 1,737,500; Nov. 26.
 Johnson, Gustav, West Roxbury, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,737,537; Nov. 26.
 Johnson, John S., Milwaukee, Wis. Hone wheel. 1,737,245; Nov. 26.
 Johnson, Walter G., New Orleans, La. Electric hair-pressing cap. 1,737,460; Nov. 26.
 Johnston, Ford, Dallas, Tex. Vehicle body mounting. 1,737,160; Nov. 26.
 Johnston, Paul H., Davenport, Iowa. Eyeglass mounting. Des. 79,967; Nov. 26.

Jones, Kenneth C., Cleveland, Ohio. Cleaning machine. 1,737,115; Nov. 26.
 Jones, Percival W., Warwick, assignor to Rosenheim Co. Inc., Providence, R. I. Clasp. 1,737,246; Nov. 26.
 Jordan, Hans. (See Schoeller, W., Jordan, and Clerc.)
 Jorgensen, Bernhard, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in the manufacture of shoes. 1,737,012; Nov. 26.
 Joseph, Eugene H. (See Nelson, T. J., and Joseph.)
 Joseph, Herschel V., Canon City, Colo. Woodworking machine. 1,736,916; Nov. 26.
 Jupp, William B., Brooklyn, assignor to International Motor Company, New York, N. Y. Gas-line feed. 1,737,161; Nov. 26.
 Juul, Peter A., Chicago, Ill., assignor to Latham Machinery Company. Punch machine. 1,736,855; Nov. 26.
 Kägl, Johann. (See Hartmann, M., and Kägl.)
 Kahler, Frank, Los Angeles, Calif. Gate-operating system. 1,737,088; Nov. 26.
 Kajanoff, Philippe, The Hague, Netherlands. Apparatus with siphon mechanism for delivering different predetermined quantities of liquids. 1,737,501; Nov. 26.
 Kalman Steel Company. (See White, William E., assignor.)
 Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Gravity filter. 1,737,313; Nov. 26.
 Kappeler, Paul, Dresden, Germany. Paper-guiding arrangement for typewriters and like machines. 1,737,162; Nov. 26.
 Karibo, Edmond C. (See Pearce, E. S., and Karibo.)
 Karle, John D., Roselle Park, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Short-circuiting device. 1,737,538; Nov. 26.
 Kassar, Crissie, Key West, Fla. Hair-cutting device. 1,737,461; Nov. 26.
 Katims, Harry. (See Weiner, E., and Katims.)
 Kean, Otto V., Providence, R. I. Scouring device. 1,737,247; Nov. 26.
 Kehoe, William E., San Francisco, Calif. Display dress and coat hanger. Des. 79,968; Nov. 26.
 Kehoe, William E., San Francisco, Calif. Display dress and coat hanger. Des. 79,969; Nov. 26.
 Kelley, Frank C., Long Beach, assignor of one-half to E. W. Riggle, Los Angeles, Calif. Well apparatus. 1,737,248; Nov. 26.
 Kelly, George L., Houston, Tex. Trussless support for roofs and the like. 1,737,049; Nov. 26.
 Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Printing press. 1,737,502; Nov. 26.
 Kempter, Philip, assignor to Gender, Paeschke & Frey Company, Milwaukee, Wis. Lunch box. 1,737,249; Nov. 26.
 Kennedy, Hugh M., Montreal, Quebec, Canada. Locking device for mail-chute panels. 1,736,917; Nov. 26.
 Kennedy, Hugh M., Montreal, Quebec, Canada. Suspension device for mail-chute panels. 1,736,918; Nov. 26.
 Kenney Manufacturing Company. (See Smith, Walter E., assignor.)
 Keppinger, Urban A., Portland, Ore. Foldable child's combined ladder and auxiliary toilet seat. 1,737,163; Nov. 26.
 Kiel Furniture Company, The. (See Gommessen, Arthur, assignor.)
 King, Clifford G., Providence, R. I. Attaching means for articles. 1,737,375; Nov. 26.
 King, Jesse G., assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Pump for refrigeration systems. 1,736,973; Nov. 26.
 King, Jesse G., assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Pump for refrigeration systems. 1,736,974; Nov. 26.
 Kinzel, Augustus B., New York, N. Y., assignor to Electro Metallurgical Company. Surface-hardened material and producing the same. 1,736,919; Nov. 26.
 Kinzel, Augustus B., Bayside, N. Y., assignor to Electro Metallurgical Company. Case hardening. 1,736,920; Nov. 26.
 Kinzel, Augustus B., Bayside, N. Y., assignor to Electro Metallurgical Company. Case nitriding of steel. 1,736,921; Nov. 26.
 Kirby, Joseph A., Wyndham, Southland, New Zealand. Channel-forming apparatus for telephone and the like cables. 1,737,314; Nov. 26.
 Klward, Michael, New York, and S. Thau, Brooklyn, assignors to Metropolitan Lamp Co. Inc., New York, N. Y. Combined lighting fixture and stand. Des. 79,970; Nov. 26.
 Kliefoth, Max, assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Laminated fibrous sheet. 1,737,285; Nov. 26.
 Kliefoth, Max, assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Tapered fibrous sheet. 1,737,286; Nov. 26.
 Knetties, Walter L., Groton, N. Y. Carrier for snelled fish-hooks. 1,737,376; Nov. 26.
 Koenig, Remus, assignor to Metal Ware Corporation, Two Rivers, Wis. Toy electric range. 1,737,050; Nov. 26.
 Koenig, Remus, assignor to Metal Ware Corporation, Two Rivers, Wis. Toy electric engine. 1,737,051; Nov. 26.
 Kohlen, Josef, Herne in Westphalia, Germany. Flushing device for rock drills. 1,736,922; Nov. 26.
 Kolb, John K., Wheeling, W. Va. Fertilizer distributor. 1,737,377; Nov. 26.

Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Signaling system. 1,737,089; Nov. 26.
 Korthäuer, Theodor, Berlin-Spandau, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Automatic telephone system. 1,737,423; Nov. 26.
 Krautz, Hubert J. M. C., Aachen, Germany. Safety device for centrifugal machines. 1,736,975; Nov. 26.
 Krause, Reinhold, Columbia Falls, Mont. Drill. 1,737,462; Nov. 26.
 Kress, George R., Los Angeles, Calif. Loading buildings for moving. 1,737,250; Nov. 26.
 Kuentler, Walter E., New York, N. Y. Radiator. 1,737,251; Nov. 26.
 Kumpf, Karl, Berlin-Friedenau, F. Tuzek, Berlin, and H. Mayer, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Control of the transmission efficiency. 1,737,503; Nov. 26.
 La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,737,013; Nov. 26.
 Laffey, J. P., trustee. (See Moxham, Arthur J., assignor.)
 Latus, Knut R. J., Abo, Finland. Bark-removing machine. 1,736,924; Nov. 26.
 Lalonde, William J., Ottawa, Ontario, Canada. Hose coupling. 1,736,923; Nov. 26.
 Laminated Shm Company. (See Darrach, Bradford, Jr., assignor.)
 Lamson Company, The. (See Cowley, James T., assignor.)
 Landis & Gyr S. A. (See Peter, Adolf, assignor.)
 Lang, Fred N., Los Angeles, Calif. Scrapbook and leaf unit therefor. 1,737,052; Nov. 26.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,971; Nov. 26.
 Larrabee, Bert G., Houston, Tex. Combined writing and smoking stand. Des. 79,972; Nov. 26.
 Lasky, Mervyn C., Hollywood, Calif. Dental bridge. 1,737,164; Nov. 26.
 Latham Machinery Company. (See Juul, Peter A., assignor.)
 Lavand, Jean P., Clivray, France. Double fingers for mowing machines. 1,737,504; Nov. 26.
 Leamon, William G. (See Parsons, Ralph M., assignor.)
 Leech, Jacob T., Beaver, assignor to Union Drawn Steel Company, Beaver Falls, Pa. Apparatus for straightening metal bars and shapes. 1,736,976; Nov. 26.
 Le Febure Ledger Company. (See Le Febure, Leo T., assignor.)
 Le Febure, Leo T., assignor to Le Febure Ledger Company, Cedar Rapids, Iowa. Binder tray. 1,736,925; Nov. 26.
 Le Febure, Leo T., assignor to Le Febure Ledger Company, Cedar Rapids, Iowa. Binder tray. 1,736,926; Nov. 26.
 Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,737,116; Nov. 26.
 Lenthal, Incorporated. (See de Wagner, Maggy B., assignor.)
 Le Tourneau, Robert G., Upland, Calif. Operating structure for clamshell buckets. 1,737,252; Nov. 26.
 Levi, Isala, Turin, Italy. Fountain pen. 1,737,463; Nov. 26.
 Levinson, Samuel I., Jersey City, N. J. Chair or similar article. Des. 79,973; Nov. 26.
 Lewis, Lee P., Hallsville, Mo. Muzzle ring for hogs. 1,736,927; Nov. 26.
 Liebl, Franz, Vienna, Austria. Rounding off or beveling edges of glass or like articles. 1,736,977; Nov. 26.
 Lillich, Henry R., and C. Smith, Boring, Oreg. Umbrella. 1,737,464; Nov. 26.
 Lindgren, Stanley H., Maywood, Ill., assignor to American Can Company, New York, N. Y. Dredging can. 1,737,014; Nov. 26.
 Lindsey, Earle, Taylorsville, Miss. Water swivel for use in well drilling. 1,737,465; Nov. 26.
 Line Material Company. (See Steinmayer, Alwin G., assignor.)
 Linhardt, Charles, Jr., Baltimore, Md. Marine torch. 1,737,424; Nov. 26.
 Linsell, Alfred A., Brentwood, England, assignor to Radio Corporation of America, Recording and reproducing sound. 1,737,253; Nov. 26.
 Liquid Carbonic Corporation, The. (See Cole, H. W., and McLaren, assignors.)
 Littell, Nelson, New York, N. Y. Process of and apparatus for preparing printing cylinders. 1,737,378; Nov. 26.
 Lobban, Albert, Detroit, Mich. Display stand for doors and similar articles. 1,736,828; Nov. 26.
 Lociff Company, The. (See Nicholson, Stanley W., assignor.)
 Loefelman, Leo J., St. Louis, Mo. Expansion reamer. 1,737,193; Nov. 26.
 Loewe, Hermann. (See Bergmann, M., Immendorfer, and Loewe.)
 Loewy, Raymond G. F., Jackson Heights, N. Y. Radiator for an automobile. Des. 79,974; Nov. 26.
 Lohman, Thomas P., Detroit, Mich. Construction of closed vehicle bodies. 1,736,856; Nov. 26.
 Lonsberger, Robert F., and C. F. Sands, Reading, Pa., assignors to L. A. Lunger, trustee. Heavy-fuel vaporizer for internal-combustion engines. 1,737,379; Nov. 26.
 Louz, William B. (See Thompson, C. S., and Long.)

Loemis, Ralph L., Bedford, Mass., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Laminated pulp board and making the same. 1,737,284; Nov. 26.
 Lorenz, C., Aktiengesellschaft. (See Kortbäuer, Theodor, assignor.)
 Lorenz, C., Aktiengesellschaft. (See v. Wysocki, Bronislaw, assignor.)
 Lorenz, Edward H., West Hartford, Conn. Assignor to Hartford-Empire Company, Hartford, Conn. Adjustable cam mechanism for glass-feeding mechanism. 1,737,165; Nov. 26.
 Lowe, Earl R., assignor of one-fourth to T. A. Lowe and one-fourth to F. Schroeder, South St. Paul, and one-fourth to A. Highland, St. Paul, Minn. Butcher's glove. 1,736,928; Nov. 26.
 Lowe, Thomas A., et al. (See Lowe, Earl R., assignor.)
 Lumlex Corporation. (See Black, William A., assignor.)
 Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation. Burning finely-divided fuel. 1,736,929; Nov. 26.
 Lundgren, Karl T. R., Lund, Sweden. Centrifugal concentrator. 1,736,792; Nov. 26.
 Lynd, Harry J., Parsons, Kans. Noise eliminator for internal-combustion engines. 1,737,466; Nov. 26.
 MacBride, Donald H., Lapeer, Mich., assignor, by mesne assignments, to International Toy Corporation, New Bedford, Mass. Toy or similar article. Des. 79,975; Nov. 26.
 MacCarthy, Charles F., Salem, Mass. Ground switch. 1,736,794; Nov. 26.
 Macdonald, Angus S., Great Neck, N. Y., assignor to Sneed & Company, Jersey City, N. J. Bookstack. 1,736,883; Nov. 26.
 MacDonald, Donald J., Cambridge, Mass. Extension plank. 1,737,315; Nov. 26.
 Mace, Delos A., Eureka, Calif. Direction-signal switch. 1,737,166; Nov. 26.
 MacKay, Henry S., London, England. Electrochemical process for the extraction of copper and zinc from ores. 1,737,425; Nov. 26.
 MacLaren, Fred B., Jamaica, assignor to C. H. Braselton, New York, N. Y. Inertia-operated pumping mechanism. 1,737,380; Nov. 26.
 MacMahon, James H. (See Pattillo, D. K., and MacMahon.)
 Mahaffey, Paul E., Tulsa, Okla. Belt tightener. 1,737,467; Nov. 26.
 Maluri, Guido, and R. F. Bossini, London, England. Refrigerating machine of the absorption type. 1,737,426; Nov. 26.
 Majestic Lamp Works. (See Cricchio, Paul, assignor.)
 Maland, Clarence M. (See Mohr, E. J., and Maland.)
 Manhattan Terrazzo Brass Strip Co. Inc. (See Finkelstein, Harry L., assignor.)
 Manning, William H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Valve mechanism. 1,737,316; Nov. 26.
 Mantle Lamp Company of America, The. (See Davis, Cortland W., assignor.)
 Marsden, Alfred W., Lykens, Pa. Vehicle brake-equalizing system. 1,737,254; Nov. 26.
 Marsh, Charles T., Vancouver, British Columbia, Canada. Finger-exercising device. 1,736,930; Nov. 26.
 Martin, Abraham G., Jeannette, Pa. Nut lock. 1,737,317; Nov. 26.
 Martin, George C., Los Angeles, Calif. Pipe-making machine. 1,736,793; Nov. 26.
 Martin, John H., Baldwin, N. Y. Preparation of fur for shrinking and felting. 1,736,820; Nov. 26.
 Martin, Madle P., administratrix. (See Martin, Robert E.)
 Martin, Robert E., deceased, by M. P. Martin, Jackson, Miss., administratrix. Expansion joint. 1,737,318; Nov. 26.
 Martin, William P. (See Schwartz, R. L., and Martin.)
 Marvel Carburetor Company. (See Redmond, Albert G., assignor.)
 Marzoff, John A., Seattle, Wash. Door operator. 1,736,931; Nov. 26.
 Maschinenfabrik Augsburg-Nuernberg A. G. (See Duwe, Friedrich, assignor.)
 Mason, Frank N., assignor, by mesne assignments, to F. Schaefer, Pittsburgh, Pa. Locking device for stuffing-box nuts. 1,737,543; Nov. 26.
 Mason, George W., assignor to Copeland Products, Inc., Detroit, Mich. Refrigerator. 1,736,884; Nov. 26.
 Mathieson Alkali Works, Inc., The. (See Pattillo, D. K., and MacMahon, assignors.)
 Matteson, Jesse W., et al. (See Ackerman, Harold T., assignor.)
 Max Ams Chemical Engineering Corporation, The. (See Brenzinger, Julius, assignor.)
 May, Adam J., assignor to Ritter Dental Mfg. Co. Inc., Rochester, N. Y. Dental chair. 1,737,505; Nov. 26.
 Mayaca Company. (See Hoenshel, Paul M., assignor.)
 Mayer, Hans. (See Kumpf, Karl, Tuzek, and Mayer.)
 McAnaney, Louis E., New Castle, Pa. Nursing-bottle holder. 1,737,468; Nov. 26.
 McBed Binder Company, The. (See Weik, Nelson S., assignor.)
 McCabe and Schoenholz, Inc. (See McCabe, C. J., and Schoenholz, assignors.)
 McCabe, Charles J., Brooklyn, and I. Schoenholz, Cedarhurst, assignors to McCabe and Schoenholz, Inc., New York, N. Y. Pocketbook latch. Des. 80,007; Nov. 26.

McCabe, Charles J., Brooklyn, and I. Schoenholz, Cedarhurst, assignors to McCabe and Schoenholz, Inc., New York, N. Y. Pocketbook latch. Des. 80,008; Nov. 26.
 McCarthy, Joseph A., Jamaica, N. Y. Flue cap for gas stoves. 1,737,469; Nov. 26.
 McChesney, Donald S., Syracuse, N. Y. Loose-leaf binder. 1,737,470; Nov. 26.
 McCord Radiator & Mfg. Co. (See McCord, William W., assignor.)
 McCord, William W., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Electrodeposition apparatus. 1,736,857; Nov. 26.
 McCracken, Harry S., Chicago, Ill. Paper file. 1,737,053; Nov. 26.
 McCracken, Lollie, Santa Ana, Calif. Connector. 1,737,506; Nov. 26.
 McDonald, Richard A., assignor to Western Waxed Paper Company, Oakland, Calif. Air-tight liner for egg crates. 1,737,319; Nov. 26.
 McGill Manufacturing Company. (See Despard, V. R., and Popp, assignors.)
 McKee, Ralph J., assignor to Chicago Manufacturing & Distributing Company, Chicago, Ill. Transporting device. 1,736,795; Nov. 26.
 McKee, Ralph J., and W. F. Scheffer, assignors to Chicago Manufacturing & Distributing Company, Chicago, Ill. Traffic marker. 1,736,830; Nov. 26.
 McKenna, Philip M., assignor to Vanadium Alloys Steel Company, Latrobe, Pa. Hard alloy and manufacturing the same. 1,737,255; Nov. 26.
 McKinney, Jesse, Dunkirk, Ind. Heating apparatus. 1,736,796; Nov. 26.
 McLaren, Malcolm W. (See Cole, H. W., and McLaren.)
 McLean, John H., assignor to Economy Baler Company, Ann Arbor, Mich. Baling press. 1,737,194; Nov. 26.
 McNeill, Everett A., Kenosha, Wis. Weight-operated switch. 1,737,471; Nov. 26.
 McQuistan, Duncan A., Walthill, Nebr. Automatic ventilator. 1,737,054; Nov. 26.
 McQuiston, Arnel F., Taft, Calif., assignor to Elliott Core Drilling Company. Plug for core drills. 1,737,256; Nov. 26.
 Meala, Charles A., Peoria, Ill. Faucet. 1,737,427; Nov. 26.
 Menes, Norman C., trustee. (See Young, Willis H., assignor.)
 Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,737,507; Nov. 26.
 Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,737,508; Nov. 26.
 Mercer, Nathan L., McKeesport, assignor to C. H. Hook, Pittsburgh, Pa. Pressure valve. 1,737,428; Nov. 26.
 Meredith, James M., Lewis, Iowa. Clothline tightener. 1,737,195; Nov. 26.
 Merkel, William J., Shorewood, and E. C. Shaw, said Shaw assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Chipper. 1,736,858; Nov. 26.
 Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Contact process for manufacturing sulphuric acid. 1,737,320; Nov. 26.
 Merrill, Carle J., Portland, Me. Machine for drying coated webs. 1,737,015; Nov. 26.
 Merrill, George F., Ware, Mass. Repacking valves. 1,737,472; Nov. 26.
 Merseles, Henry R., Bronxville, N. Y., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Distributor for washing machines. 1,737,257; Nov. 26.
 Mesl, Arvi, Chicago, Ill. Windshield wiper. 1,737,473; Nov. 26.
 Metal Specialties Manufacturing Company. (See Hermann, Wolfgang, assignor.)
 Metal Ware Corporation. (See Koenig, Remus, assignor.)
 Metropolitan Lamp Co. Inc. (See Kiwad, M., and Thau, assignors.)
 Metzner, Albert W., Dayton, Ohio, assignor, by mesne assignments, to The Standard Register Company. Manufacturing machine. 1,737,509; Nov. 26.
 Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., assignor.)
 Meyer, George J., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Valve mechanism for bottle-cleaning machines. 1,736,978; Nov. 26.
 Meyer, Lizzie E., Minong, Wis. Winding machine. 1,737,258; Nov. 26.
 Meyers, Sidney E., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Conveying apparatus. 1,737,090; Nov. 26.
 Meynier, Jacques M. J. F., Troyes, France. Progressive clutch and change-speed gear. 1,736,982; Nov. 26.
 Milewaki, Constant, Detroit, Mich. Insect trap. 1,737,429; Nov. 26.
 Miller, Frank E., New York, N. Y. Hearing device for the deaf. 1,737,480; Nov. 26.
 Miller, Elmar J., St. Louis, Mo. Light holder for Christmas trees. 1,737,381; Nov. 26.
 Miller, Lawrence E., Cowen, W. Va. Reamer. 1,737,510; Nov. 26.
 Miller, Robert P. (See Hamm, H. A., and Miller.)
 Miller Saw-Trimmer Company. (See Atsert, Joseph A., assignor.)
 Miller, William J., Swissvale, Pa. Process and apparatus for drying ceramic ware. 1,737,259; Nov. 26.

Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Paper-feeding mechanism for wrapping machines. 1,737,016; Nov. 26.
 Minck, Paul, Petersdorf, Germany. Elastic coupling. 1,737,321; Nov. 26.
 Minnesota Mining and Manufacturing Company. (See Carlton, Richard P., assignor.)
 Minton, David C., Norfolk, Va. Four-in-hand tie structure. 1,737,322; Nov. 26.
 Mitchell, Walter T., assignor of one-third to W. S. Fornay, Detroit, Mich. Coin-control and change-making device. 1,737,511; Nov. 26.
 Mjolsness, Haakon, Minneapolis, Minn. Scalper and aspirator. 1,737,260; Nov. 26.
 Mohr, Elmer J., and C. M. Maland, Elmore, Minn. Car-pule refiller. 1,737,512; Nov. 26.
 Molins, Walter E., Deptford, London, England. Moisture-proof envelope or wrapper. 1,737,055; Nov. 26.
 Montigny, Louis, Ghent, Belgium. Belt fastener. 1,737,167; Nov. 26.
 Moray, Virgil W., New York, N. Y. Piston ring. 1,737,168; Nov. 26.
 Morehouse, Eugene, assignor to B. A. Ballou & Co., Inc., Providence, R. I. Safety catch. 1,737,382; Nov. 26.
 Morey, Harry J., assignor to Pass & Seymour, Incorporated, Syracuse, N. Y. Single flush receptacle. 1,736,831; Nov. 26.
 Morgan, Charles W., Chicago, Ill. Game board. Des. 79,976; Nov. 26.
 Morgan, Oliver, and J. W. Stark, Wewoka, Okla. Oil-distributing system. 1,736,833; Nov. 26.
 Morganmade, Incorporated. (See Davis, Sidney L., assignor.)
 Morin, Louis H., New York, N. Y., assignor to Cambridge Rubber Company, Cambridge, Mass. Apparatus for making fastening devices. 1,737,261; Nov. 26.
 Morin, Louis H., New York, N. Y., assignor to Cambridge Rubber Company, Cambridge, Mass. Making fastening devices. 1,737,262; Nov. 26.
 Moritz, Knut L., Umea, Sweden. Machine for scrubbing floors. 1,737,513; Nov. 26.
 Morral, Samuel E. (See Morral, William W., assignor.)
 Morral, William W., assignor of one-half to S. E. Morral, Morral, Ohio. Corn-busking machine. Re17,504; Nov. 26.
 Morrill, Maurine B., Beverly Hills, Calif. Detachable weather strip. 1,736,855; Nov. 26.
 Mortensen, Alfred A., Minneapolis, Minn. Dashboard gasoline indicator. 1,736,797; Nov. 26.
 Mortenson, Olaf, and O. De Guire, Silverton, Oreg. Fuel control. 1,737,196; Nov. 26.
 Morton, Arnold H. (See Burch, J. F., and Morton.)
 Morton, William A., assignor to Amco, Incorporated, Pittsburgh, Pa. Conveying roll for furnaces and the like. 1,737,117; Nov. 26.
 Mossor, A. Homer. (See Weltner, Corliss L., assignor.)
 Motor Products Corporation. (See Pritchard, William S., assignor.)
 Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,736,979; Nov. 26.
 Moxham, Arthur J., Great Neck, N. Y., assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Treating greensand and the like. 1,737,263; Nov. 26.
 Mueller, Frank, Kankakee, Ill. Piston ring and piston. 1,737,056; Nov. 26.
 Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Anchorage for automobile radiators. 1,737,057; Nov. 26.
 Müller, Fritz. (See Rothlin, E., and Müller.)
 Münch, Slegmar, Wolfen, Kreis Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Manufacture of articles from molten carbon. 1,736,832; Nov. 26.
 Mundwiler, Glen, Toledo, Ohio. Building. Des. 79,977; Nov. 26.
 Munsingwear Corporation. (See Chatfield, Franklin, assignor.)
 Murray, Thomas E., Jr. (See Hagist, Emil T., assignor.)
 Murrill, Paul I., Plainfield, N. J., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Preparation of pickling baths. 1,736,984; Nov. 26.
 Murru, Arthur A., Flint, Mich. Ratchet mechanism. 1,737,323; Nov. 26.
 Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,737,324; Nov. 26.
 N. V. Philips' Gloeilampenfabrieken. (See Dijksterhuis, Popko R., assignor.)
 National Aniline & Chemical Co. (See Meyers, Sidney E., assignor.)
 National Carbon Company. (See Currie, Lauchlin M., assignor.)
 National Oil Lubricating Company. (See Sharp, John C., assignor.)
 National Paper Process Company. (See Hurley, Albert B., assignor.)
 National Pneumatic Company. (See Conklin, Roscoe D., assignor.)
 National Pneumatic Company. (See Forman, Paris R., assignor.)
 National Pneumatic Company. (See Rowntree, Harold, assignor.)

National Standard Company. (See Hopkins, Arthur C., assignor.)
 Navarre, Paul, Paris, France, assignor to Hobart Manufacturing Co., Troy, Ohio. Automatic basket feeder. 1,736,935; Nov. 26.
 Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill. Lighting fixture, 1,737,018; Nov. 26.
 Nelson, Theodore J., and E. H. Joseph, assignors to Colonial Lamp & Fixture Works, Inc., Chicago, Ill. Lighting fixture, 1,737,017; Nov. 26.
 New Century Spring Corporation. (See Doty, William W., assignor.)
 New Departure Manufacturing Company, The. (See DeLaval-Crow, Thomas C., assignor.)
 Newhouse, Jack, Buffalo, N. Y. Chambered photo gravestone, 1,737,474; Nov. 26.
 Newman, Arthur S., London, England. Mechanism for operating electrical contacts and other devices. 1,737,264; Nov. 26.
 Niagara Blower Company. (See Bulkeley, C. A., and Child, assignors.)
 Nichols Copper Company. (See Connolly, George E., assignor.)
 Nicholson, Stanley W., assignor to The Lockf Company, Toledo, Ohio. Window and lock actuating device for automobiles. 1,737,118; Nov. 26.
 Nicholson, Stanley W., assignor to The Lockf Company, Toledo, Ohio. Latch-retracting attachment for window-operating devices. 1,737,119; Nov. 26.
 Nicholson, Stanley W., assignor to The Lockf Company, Toledo, Ohio. Window-operating device. 1,737,120; Nov. 26.
 Nickerson, Franklin P., assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 1,737,383; Nov. 26.
 Nicolson, Alexander M., assignor to Wired Radio, Inc., New York, N. Y. Composite piezo-electric torsion device. 1,737,019; Nov. 26.
 Nikolski, Mike, Williamson, Iowa. Signal for mines. 1,737,514; Nov. 26.
 Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Portable power-driven tapping tool. 1,737,431; Nov. 26.
 North, Clayton O., and W. Scott, assignors to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of aldehyde-amine reaction products. 1,737,384; Nov. 26.
 Northey, Rodney V., Toronto, Ontario, Canada. Gb and wedge key for key bolts. 1,737,091; Nov. 26.
 Novotny, Emil E., Logan, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley P. O., Pa. Phenol-furfural resin and making same. 1,737,121; Nov. 26.
 Nutt, Arthur, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Corporation. Motor-cooling system. 1,737,122; Nov. 26.
 Oakley, Anne L., Carsonville, Mo. Heating appliance. 1,736,859; Nov. 26.
 Oberlander, Hermann, Zeulenroda, Germany. Knitting machine. 1,737,197; Nov. 26.
 O'Brien, Andrew A., Los Angeles, Calif. Toy glider. Des. 79,978; Nov. 26.
 O'Brien, James E., Brooklyn, and T. F. O'Brien, Richmond Hill, N. Y. Advertising device. 1,736,860; Nov. 26.
 O'Brien, James J., Chicago, Ill. Display fixture. 1,736,833; Nov. 26.
 O'Brien, Thomas F. (See O'Brien, James E. and T. F.)
 Ogden, Walter H., Cleveland, Ohio, assignor to R. Hoe & Co., Inc., New York, N. Y. Web-roll-control mechanism. 1,736,834; Nov. 26.
 Ohm, Albert J. D., Oak Park, assignor, by mesne assignments, to Beardslee Chandler Manufacturing Co., Chicago, Ill. Lighting fixture shade. Des. 79,979; Nov. 26.
 Ohm, Albert J. D., Oak Park, assignor, by mesne assignments, to Beardslee Chandler Manufacturing Co., Chicago, Ill. Lighting fixture. 1,737,265; Nov. 26.
 Olivier, Herman C., assignor to General Motors Corporation, Detroit, Mich. Internal-brake dust guard. 1,737,325; Nov. 26.
 Olsen, Gustav. (See Albertson, F. O., and Olsen.)
 Ordway, Ralph F., Barrington, assignor of one-half to A. Birtwell, East Providence, R. I. Automobile signal. 1,737,356; Nov. 26.
 Ormand, Robert S., Bessemer City, N. C. Picking up cargo by aircraft. 1,737,326; Nov. 26.
 Osnes, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Controlling means on current conductors for high-frequency purposes. 1,737,169; Nov. 26.
 Ostiek, Herman J., Minneapolis, Minn., and M. E. Hanke, Oshkosh, Wis. Mop. 1,736,798; Nov. 26.
 Ostermann, Albert H., assignor to Fried-Ostermann Co., Milwaukee, Wis. Garment. 1,736,790; Nov. 26.
 Otis Elevator Company. (See Simmons, T. H. J. and C., assignors.)
 O'Toole, Edward, Gary, W. Va. Mining machine. 1,737,327; Nov. 26.
 Oye, Edward N., Dike, Iowa. Rivet holder. 1,737,266; Nov. 26.
 Owens-Illinois Glass Company. (See Cramer, Albert N., assignor.)
 Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
 Padavic, John, Quincy, Ill. Awning arm. 1,736,936; Nov. 26.

Paganello, Nunzio, Brooklyn, N. Y. Mounting for dolls' eyes and the like. 1,737,267; Nov. 26.
 Page, George A., Jr., Freeport, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Dump valve for fluid containers. 1,737,123; Nov. 26.
 Panziroff, Nicolas, Moscow, Russia. Drier. 1,736,980; Nov. 26.
 Paquit, Vital, New York, N. Y. Spark producing and distributing apparatus for internal-combustion engines. 1,736,861; Nov. 26.
 Parisi, Francesco, Turin, Italy. Spring suspension for vehicle bodies. 1,737,328; Nov. 26.
 Parker, Richard B., Skaneateles, assignor to S. E. Darby, trustee, New York, N. Y. Feeding device for retorts. 1,737,170; Nov. 26.
 Parker, Walter H., and F. W. Delaney, Rochester, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid-dispensing mechanism. 1,736,981; Nov. 26.
 Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Bobbin-winding machine. 1,737,198; Nov. 26.
 Parsons, Ralph M., Amagansett, L. I., assignor to W. G. Leamon, New York, N. Y. Liquid-control mechanism. 1,737,171; Nov. 26.
 Parsons, Stuart W., assignors to The Stanley Works, New Britain, Conn. Friction butt. 1,737,544; Nov. 26.
 Parsons, Sylvanus H. H., Poughkeepsie, N. Y. Sheave block. 1,737,268; Nov. 26.
 Pass & Seymour, Incorporated. (See Morey, Harry J., assignor.)
 Paterson, John C. (See Baker, G. R., and Paterson.)
 Patrick, John W., Essendon, Melbourne, Australia. Electric fuse holder for automobiles. 1,737,329; Nov. 26.
 Patterson, Harry R., Poughkeepsie, N. Y., assignor to De Jon Electric Corporation. Control system for dynamo-electric machines. 1,736,982; Nov. 26.
 Pattillo, Donald K., Fulton, and J. H. MacMahon, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of paper. 1,737,330; Nov. 26.
 Paulin, Josua G., Stockholm, Sweden. Instrument for measuring variable forces. 1,737,331; Nov. 26.
 Pearce, Edwin S., and E. C. Karibo, Indianapolis, Ind. Indicating apparatus for locomotive back pressure. 1,737,199; Nov. 26.
 Pearce, Edwin S., and E. C. Karibo, Indianapolis, Ind. Indicator. 1,737,200; Nov. 26.
 Pearlman, Israel P., Providence, R. I. Display cabinet. Des. 79,980; Nov. 26.
 Pearson, Thomas, and H. E. Garber, Long Beach, Calif. Writing sign. 1,737,092; Nov. 26.
 Peek, Alva J., Paterson, N. J., assignor to Carpet Device Corp., New York, N. Y. Winding machine. 1,737,209; Nov. 26.
 Perfection Pack Company. (See Reshaw, George O., assignor.)
 Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 79,981; Nov. 26.
 Perks, George W. (See Baker, G. R., Epps, and Perks.)
 Peter, Adolf, assignor to Landis & Gyr S. A., Zug, Switzerland. Meter-regulating device. Re17,501; Nov. 26.
 Peters, Frank R., assignor to Franklin Railway Supply Company, New York, N. Y. Rooster control. 1,736,886; Nov. 26.
 Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Tear-open tobacco can. 1,737,020; Nov. 26.
 Petersen, Leslie T., Denison, Iowa. Chicken-house window. 1,737,515; Nov. 26.
 Petris, Anthony F., South Chicago, Ill. Device for recovering submarine boats. 1,736,983; Nov. 26.
 Petry, Jacob, Pittsburgh, Pa. Making dental crowns. 1,737,172; Nov. 26.
 Petry, Jacob, Pittsburgh, Pa. Method of and apparatus for making dental crowns. 1,737,539; Nov. 26.
 Phelps, Willie G., McKinney, Tex. System of lubrication. 1,737,124; Nov. 26.
 Pickard, Rosa M., Wilmette, Ill. Doorstop. Des. 79,982; Nov. 26.
 Pickard, William, Philadelphia, Pa. Pile wire. 1,737,516; Nov. 26.
 Pilcher, John A., and J. A. Doornberger, Roanoke, Va. Steam boiler. 1,737,385; Nov. 26.
 Pitcairn, Harold F. (See Brewer, Robert W. A., assignor.)
 Pixley, John H., assignor of one-half to A. Drall, Lansing, Mich. Hitch. 1,737,058; Nov. 26.
 Planert, Emil J. P., Union City, N. J. Humidifier. 1,736,799; Nov. 26.
 Platt, Frank L. (See Reyling, G., and Platt.)
 Pollock, Gordon B., Los Angeles, Calif. Making composite pictures. 1,737,021; Nov. 26.
 Popp, Hans C. R. (See Despard, V. R., and Popp.)
 Powdrell & Alexander, Inc. (See Perkins, George H., assignor.)
 Powell, Edwin L., Washington, D. C. High-frequency electrical circuits. 1,737,125; Nov. 26.
 Powers, Frank T., Douglaston, N. Y. Etching machine. 1,736,862; Nov. 26.
 Pratt, George R., Winnipeg, Manitoba, Canada. Furnace. 1,737,173; Nov. 26.

Prescott, William E., London, England, assignor, by mesne assignments, to Baker Perkins Company Inc., Saginaw, Mich. Pump of wafer-biscuit and similar machines. 1,736,863; Nov. 26.
 Preat-O-Lite Storage Battery Corporation. (See Benner, R. C., and Werking, assignors.)
 Price, Owen A., Kilmarnock, Ayrshire, Scotland. Hydraulic jet-dispersal nozzle. 1,736,937; Nov. 26.
 Price, Owen A., Kilmarnock, Scotland. Automatic self-closing valve. 1,736,938; Nov. 26.
 Price, Wallace, Edinburg, Ill. Combined door check and closer. 1,737,093; Nov. 26.
 Price, William J., Stamford, Conn. Hot-air brush and drier for printing presses. 1,737,174; Nov. 26.
 Prindle, Karl E. (See Charch, W. H., and Prindle.)
 Printel Manufacturing Corporation. (See Roe, William C., assignor.)
 Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Windshield weather strip. 1,737,094; Nov. 26.
 Pritchett, William J., Sydney, Australia. Electric plug and socket. 1,736,887; Nov. 26.
 Probst, Emil, and F. Tölke, Karlsruhe, Germany. Open-structure dam. 1,736,989; Nov. 26.
 Prouty, Enoch, et al. (See Ackerman, Harold T., assignor.)
 Provost, James J., York, Pa. Steam turbine. 1,737,517; Nov. 26.
 Pugh, John V., and G. T. Bayliss, assignors to Ridge-Whitworth, Limited, Coventry, England. Rotational device such as vehicle wheels. 1,737,332; Nov. 26.
 Rabb, Michael, Newark, N. J. Coupling device. 1,737,481; Nov. 26.
 Rabe, Paul, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Increasing the fastness to light of basic dyestuffs. 1,736,835; Nov. 26.
 Radio Corporation of America. (See Albersheim, Walter J., assignor.)
 Radio Corporation of America. (See Linsell, Alfred A., assignor.)
 Radio Corporation of America. (See Tuska, Clarence D., assignor.)
 Radio Corporation of America. (See Van Der Pol, Balthasar, assignor.)
 Radio Corporation of America. (See Wright, G. M., and Vyvyan, assignors.)
 Rasler, Harrison M., San Francisco, Calif. Arm-signaling panel. 1,737,022; Nov. 26.
 Rathje, Hans, Buffalo, N. Y. Composition for removing boiler scale. 1,736,800; Nov. 26.
 Rawlin, Philip. (See Sellinger, M., and Rawlin.)
 Rayburn, Alden G., Sausalito, assignor to B. Winslip, San Francisco, Calif. Drive axle. 1,736,836; Nov. 26.
 Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Cabinet catch. Des. 79,983; Nov. 26.
 Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Skate. 1,737,175; Nov. 26.
 Reeves, John S., Philadelphia, Pa. Counting and grouping machine. 1,737,023; Nov. 26.
 Redington, F. B., Company. (See Milroe, Michael J., assignor.)
 Redmond, Albert G., assignor to Marvel Carburetor Company, Flint, Mich. Electric motor. 1,737,387; Nov. 26.
 Redmond, Albert G., assignor to Marvel Carburetor Company, Flint, Mich. Electric motor. 1,737,388; Nov. 26.
 Redmond, Albert G., assignor to Marvel Carburetor Company, Flint, Mich. Electric motor. 1,737,389; Nov. 26.
 Reich, Robert F., Tryon, N. C. Antidrift attachment for automobiles. 1,736,937; Nov. 26.
 Reilly, Rodolph R., Roslyn, assignor, by mesne assignments, to Sealed Containers Corporation, New York, N. Y. Dried-out blank for receptacles. Re17,503; Nov. 26.
 Reimer, Annemarie, Albrechtschelde, near Gr. Engellau, Germany. Breeding mark for small animals. 1,737,201; Nov. 26.
 Renault, Louis. (See Salves, Leon, assignor.)
 Reshaw, George O., Benton Harbor, assignor to Perfection Pack Company, Inc., St. Joseph, Mich. Fruit-basket packer. 1,737,518; Nov. 26.
 Rest, James. (See Girdlestone, H. T., and Rest.)
 Reyling, George, Mineola, N. Y., and F. L. Platt, New Market, N. J. Liquid-level indicator. 1,737,126; Nov. 26.
 Reynolds, Walter M., Hattiesburg, Miss. Cultivator. 1,737,519; Nov. 26.
 Richardson, Thomas P., Jr., assignor to Electric Directory Corporation, Tryon, N. C. Directory board. 1,737,520; Nov. 26.
 Richey, Albert E., Fairview, assignor to The Flak Rubber Company, Chicopee Falls, Mass. Web-handling device. 1,737,127; Nov. 26.
 Richter, Charles, Mount Vernon, N. Y., assignor to Chatham Metal Spinning and Stamping Corporation. Ceiling-light fixture. Des. 79,984; Nov. 26.
 Richterkessing, Frank H., assignor to Cheatham Switching Device Company, Louisville, Ky. Electrical control system. 1,736,801; Nov. 26.
 Ridge-Whitworth, Limited. (See Pugh, J. V., and Bayliss, assignors.)
 Riggle, Elmer W. (See Kelley, Frank C., assignor.)
 388 O. G.—65b

Ritter Dental Mfg. Co. Inc. (See May, Adam J., assignor.)
 Ritter, George F., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Carburetor. 1,737,095; Nov. 26.
 Rivella, Morris M., Philadelphia, Pa. Making cut-steel ornaments. 1,737,333; Nov. 26.
 Robertson, Harry M., Cleveland, Ohio. Kila. 1,737,540; Nov. 26.
 Robinson, Charles A., Goleta, Calif. Clothes hanger or the like. 1,737,096; Nov. 26.
 Roe, John W., assignor to himself and J. Davis, Akron, Ohio. Differential. 1,737,390; Nov. 26.
 Roe, William C., Pittsburgh, Pa., assignor to Printel Manufacturing Corporation. Electrical code transmitter. 1,737,024; Nov. 26.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hinge. Des. 79,985; Nov. 26.
 Rogers, David C., Columbus, Ohio. Luggage carrier for vehicles. 1,737,432; Nov. 26.
 Rogers Products Co. Inc. (See Albertine, Herman, assignor.)
 Rohrer, Dossa E., Charlotte, N. C. Latch for electric switches. 1,737,334; Nov. 26.
 Rosenheim Co. (See Jones, Percival W., assignor.)
 Ross, Allen R., Seattle, Wash. Oven door. 1,737,176; Nov. 26.
 Ross, Oscar A., New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Alternating-current induction motor or the like. 1,737,128; Nov. 26.
 Rotellini, Martin S., Brooklyn, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture streamer or article of analogous nature. Des. 79,986; Nov. 26.
 Rothlin, Ernst, and F. Müller, assignors to the firm of Chemical Works, formerly Sandoz, Basel, Switzerland. Derivative of thiazines. 1,737,475; Nov. 26.
 Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Door-operating system. 1,737,433; Nov. 26.
 Royal Typewriter Company. (See Myers, Lewis C., assignor.)
 Rubber Latex Research Corporation. (See Wescott, William B., assignor.)
 Rubber Service Laboratories Co., The. (See North, C. O., and Scott, assignors.)
 Rubber Service Laboratories Co., The. (See Scott, Winfield, assignor.)
 Ruckstuhl, Alwin, Winterthur, Switzerland. Control for electrically-driven compressors. 1,737,335; Nov. 26.
 Ruf, Laud E., San Jose, Calif. Cuspidor. 1,737,059; Nov. 26.
 Ruffing, John, sr., Nokomis, Ill. End gate or extension for mine cars. 1,737,060; Nov. 26.
 Runnels, Paul P., Indianapolis, assignor of one-half to G. A. Schaaf, Terre Haute, Ind. Water heater and softener. 1,737,202; Nov. 26.
 Ryberg, Charles O., Brockton, Mass. Heel-base-building machine. 1,737,129; Nov. 26.
 Ryder, Robert W., assignor to Santa Cruz Portland Cement Company, San Francisco, Calif. Clinker cooler. 1,737,061; Nov. 26.
 Sadler, Joseph P., Jr., Richmond, Va. Upholstery cover. 1,737,476; Nov. 26.
 Safety Grinding Wheel and Machine Company, The. (See Weinland, Hermon G., assignor.)
 Saffold, Carl R., Buffalo, and H. O. F. Tauffner, Kenmore, assignors, by mesne assignments, of one-third to M. M. Dold and two-thirds to D. T. Dold, Buffalo, N. Y. Signal for automobiles. 1,737,548; Nov. 26.
 Sager, Eli E., Seattle, Wash. Mixing tube. 1,737,336; Nov. 26.
 Sahagian, Sahag G., Pocahontas, Va. Device for preventing the shrinkage of dresses after being cleaned. 1,737,434; Nov. 26.
 Salves, Leon, assignor to L. Renault, Billancourt, France. Windshield. 1,736,940; Nov. 26.
 Salvage Process Corporation. (See Engstrand, Gunnar C., assignor.)
 Sargent, Sumner B., Los Angeles, Calif. Self-adjusting liner pump. 1,737,270; Nov. 26.
 Sarrazin, Jules J., New Orleans, La. Cap lock. 1,736,838; Nov. 26.
 Sanders, Nico, Paris, France. Manifolded typewriter. 1,737,337; Nov. 26.
 Sands, Charles F. (See Lonaberger, R. F., and Sands.)
 Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,737,025; Nov. 26.
 Santa Cruz Portland Cement Company. (See Ryder, Robert W., assignor.)
 Sauer, Grace S., New York, N. Y. Textile fabric or article of similar nature. Des. 79,987; Nov. 26.
 Sauer, Grace S., New York, N. Y. Textile fabric or article of similar nature. Des. 79,988; Nov. 26.
 Sauer, Grace S., New York, N. Y. Textile fabric or article of similar nature. Des. 79,989; Nov. 26.
 Sauer, Grace S., New York, N. Y. Textile fabric or article of similar nature. Des. 79,990; Nov. 26.
 Sauer, Grace S., New York, N. Y. Textile fabric or article of similar nature. Des. 79,991; Nov. 26.

Saunders, Kenneth H., Blackley, Manchester, and H. Wignall, Huddersfield, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Manufacture of ethylene glycol. 1,737,545; Nov. 26.

Schaal, Geo. A. (See Runnels, Paul P., assignor.)

Schachtel, Otto, Chicago, Ill. Bending machine. 1,737,097; Nov. 26.

Schaefer, Frederick. (See Mason, Frank N., assignor.)

Schantz, Gordon M., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Mounting for bus bodies. 1,737,177; Nov. 26.

Scheffer, William F. (See McKee, R. J., and Scheffer.)

Scheiter, George G., Rochester, N. Y., assignor to Fitz-Emple Double Pivot Last Company, Auburn, Me. Last. 1,737,026; Nov. 26.

Schenken, Charles R., Washington, D. C. Book support. 1,737,178; Nov. 26.

Scherer-Kahlbaum A. G. (See Heyn, Myron, assignor.)

Scherer-Kahlbaum Aktiengesellschaft. (See Schoeller, W., and Zöllner, assignors.)

Schering-Kahlbaum A. G. (See Schoeller, W., Jordan, and Clerc, assignors.)

Schiller, Joseph F., et al. (See Schiller, J. F., and Wescott, assignors.)

Schiller, Joseph F., and W. W. Wescott, Philadelphia, Pa., assignors of two-thirds to said J. F. Schiller and one-third to said W. W. Wescott. Apparatus for sterilizing air. 1,736,839; Nov. 26.

Schmidt, Oscar J., Elmhurst, N. Y. Combination lock mechanism. 1,737,477; Nov. 26.

Schmoll, Edward, Antigo, Wis. Automatic coupling and release of air on railroad cars. 1,737,271; Nov. 26.

Schoeller, Walter, Berlin-Westend, and C. Zöllner, Berlin-Charlottenburg, assignors to the firm Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Ketone and making same. 1,737,208; Nov. 26.

Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and R. Clerc, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Production of menthol. 1,737,272; Nov. 26.

Schoenholz, Irving. (See McCabe, C. J., and Schoenholz.)

Schoenfeld, Charles, Philadelphia, Pa. Carding picker. 1,737,435; Nov. 26.

Schoonmaker, William H., Montclair, N. J. Headlight. 1,737,027; Nov. 26.

Schröder, George T., Worcester, Mass. Bridge for violins. 1,737,358; Nov. 26.

Schroeder, Anthony, deceased; A. Y. Beckwith, administrator, assignor of one-half to J. M. Finney, Cleveland, Ohio. Attaching means. 1,737,028; Nov. 26.

Schroeder, Fred, et al. (See Lowe, Earl R., assignor.)

Schroeder, Hans C., La Grange, Ill., assignor to Goss Printing Press Company, Ink fountain and method. 1,736,941; Nov. 26.

Schroeder, Hans C., La Grange, Ill., assignor to Goss Printing Press Company, Ink fountain and method. 1,736,942; Nov. 26.

Schroeder, Hans C., La Grange, Ill., assignor to Goss Printing Press Company, Ink fountain and method. 1,736,943; Nov. 26.

Schroeder, Hans C., La Grange, Ill., assignor to Goss Printing Press Company, Ink fountain and method. 1,736,944; Nov. 26.

Schroeder, Hans C., La Grange, Ill., assignor to Goss Printing Press Company, Ink fountain and method. 1,736,945; Nov. 26.

Schultze, Willi, Halle-on-the-Saale, Germany. Treating talloel. 1,736,802; Nov. 26.

Schumann, Carl A., Osterburg, Pa. French-horn mute. 1,737,098; Nov. 26.

Schwartz, Alfred J., Detroit, Mich. Eyeglasses. 1,737,521; Nov. 26.

Schwartz, Rudolph L., and W. P. Martin, Buffalo, N. Y. Gasoline-pump casing. Des. 79,992; Nov. 26.

Schweiger, William F., Rochester, N. Y. Mail-printing machine. 1,737,339; Nov. 26.

Scott, Carlyle H., New York, N. Y. Concrete mixer. 1,737,522; Nov. 26.

Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Shroud for well drills. 1,736,840; Nov. 26.

Scott, Winfield. (See North, C. O., and Scott.)

Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacturing derivatives of aldehyde-amine reaction products. 1,737,391; Nov. 26.

Scriptex Ink & Paste Co. (See Silverthorne, Frank H., assignor.)

Sealed Containers Corporation. (See Reilly, Rodolphe R., assignor.)

Seitz, Eli R., Sterling, Kans. Rotary pick plow. 1,737,179; Nov. 26.

Selach, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,736,888; Nov. 26.

Selling, Max, and P. Rawlin, Brooklyn, N. Y. Telephone-receiver support. 1,736,841; Nov. 26.

Sellner, Herbert W., Faribault, Minn. Amusement ride. 1,737,032; Nov. 26.

Semotan, Frank J., Tama, Iowa. Fruit jar. 1,737,436; Nov. 26.

Senn, Arthur L. (See Dallin, D., and Senn.)

Sensibar, Jacob R., Chicago, Ill. Centrifugal pump. 1,737,340; Nov. 26.

Sensibar, Jacob R., Chicago, Ill. Mixing well for unloading sand boats and the like. 1,737,341; Nov. 26.

Sensibar, Jacob R., Chicago, Ill. Unloading boom for ships and turntable therefor. 1,737,342; Nov. 26.

Sensibar, Jacob R., Chicago, Ill. Unloading mechanism for ships. 1,737,343; Nov. 26.

Sexton, Edward J., Indianapolis, Ind. Railroad crossing. 1,737,482; Nov. 26.

Shaffer, Ernest J., Tulsa, Okla. Sucker-rod elevator. 1,737,029; Nov. 26.

Sharp, Grady L., Orange, Va. Pneumatic-tire pump. 1,737,062; Nov. 26.

Sharp, John C., assignor to National Oil Lubricating Company, Chattanooga, Tenn. Lubricator. 1,737,344; Nov. 26.

Sharples Specialty Company, The. (See Ayres, Arthur U., assignor.)

Sharples Specialty Company, The. (See Ayres, E. E., Jr., and Clark, assignors.)

Shaw, Ernest C. (See Merkel, W. J., and Shaw.)

Shaw, Harry N., West Grove, Pa. Antiskid armor for cushion-tire wheels. 1,737,437; Nov. 26.

Sheats, John H., Dayton, Ohio. Thermostatic cartridge. 1,736,984; Nov. 26.

Shields, Andrew, Hamden, assignor to The American Mills Company, Waterbury, Conn. Strip of webbing or similar material. Des. 79,993; Nov. 26.

Shields, Thomas C., and W. J. Cameron, Los Angeles, Calif. Shower. 1,736,803; Nov. 26.

Shoe Form Co. (See De Witt, William J., assignor.)

Shonnard, Harold W., Montclair, N. J., and W. B. Crowell, New York, N. Y., assignors to Elevator Supplies Company, Inc. Resistance stabilizer for fluid doorchecks. 1,736,946; Nov. 26.

Siemens & Halske Aktiengesellschaft. (See Kämpf Müller, K., Tuzek, and Mayer, assignors.)

Silverman, Joseph, Chicago, Ill. Folding chair. 1,736,804; Nov. 26.

Silverthorne, Frank H., New York, N. Y., assignor to Scriptex Ink & Paste Co., Philadelphia, Pa. Bottle closure. 1,737,273; Nov. 26.

Simmons, Jesse E., Kerens, Tex. Playing cards. 1,737,478; Nov. 26.

Simmons, Thomas H. J., and E. Clemence, London, England assignors to Otis Elevator Company, New York, N. Y. Elevator-door-locking gear. 1,736,805; Nov. 26.

Simonds, Royal H., Southbridge, Mass., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Machine for making spectacle temples. 1,736,958; Nov. 26.

Simplex Wire & Cable Company. (See Boggs, Charles R., assignor.)

Simpson, Arthur A., Armadale, near Melbourne, New South Wales, assignor to Universal Labels Limited, Adelaide, S. A., Australia. Apparatus for branding or otherwise marking case ends and the like. 1,737,479; Nov. 26.

Slick, Edwin E., Pittsburgh, Pa. Cake plate or similar article. Des. 79,994; Nov. 26.

Smith, Carter. (See Lillich, H. R., and Smith.)

Smith, Charles, assignor of one-half to W. Casey, Chicago, Ill. Variable radio tuning device. 1,737,063; Nov. 26.

Smith & Davis Manufacturing Company. (See Duvall, William J., assignor.)

Smith, L. C. & Corona Typewriters Inc. (See Ely, A. B., and Harmon, assignors.)

Smith, L. C. & Corona Typewriters Inc. (See Gabrielson, Carl, assignor.)

Smith, Theodore L., assignor to Caille Brothers Company, Detroit, Mich. Marine motor. 1,737,523; Nov. 26.

Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 79,995; Nov. 26.

Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 79,996; Nov. 26.

Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 79,997; Nov. 26.

Smith, William A., Jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device for rock drills. 1,736,864; Nov. 26.

Smith, William F., Los Angeles, Calif. Sign. 1,736,889; Nov. 26.

Smokador Manufacturing Co. (See Baylis, Robert N., assignor.)

Smokador Manufacturing Co. (See Stevenson, R. J., and Colby, assignors.)

Smoker's stand. R. J. Stevenson and H. T. Colby. Re17,500; Nov. 26.

Snead & Company. (See Macdonald, Angus S., assignor.)

Société du Vapourisateur le Frison. (See Cucl, Marcel, assignor.)

Society of Chemical Industry in Basle. (See Hartmann, M., and Kügel, assignors.)

Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-blowing machine. 1,737,524; Nov. 26.

Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass feeder. 1,737,525; Nov. 26.

Sovereign, William J., Bay City, Mich. Brake. 1,736,985; Nov. 26.

Spalding, A. G., & Bros. (See Reach, William F., assignor.)

Speidel Chain Co. (See Fasnacht, Karl, assignor.)

Spies, George, Leipzig-Plagwitz, Germany. Mechanism for imparting intermittent motion to bands or webs. 1,737,204; Nov. 26.

Sprague-Hathaway Manufacturing Co. (See Thonet, Joseph R., assignor.)

Sprague-Sells Corporation. (See de Back, William, assignor.)

Stallcup, Furman P., Jonesboro, Ark. Coin-controlled gasoline pump. 1,736,806; Nov. 26.

Standard Conveyor Company. (See Wego, Peter C., assignor.)

Standard Oil Company. (See Wilson, Robert E., assignor.)

Standard Oil Company of California. (See Dicely, Lee W., assignor.)

Standard Register Company, The. (See Metzner, Albert W., assignor.)

Standard Sterilizer Manufacturing Company. (See Ulmer, George G., Jr., assignor.)

Standard Tube & Manufacturing Company. (See Sunday, James J., assignor.)

Stanley Works, The. (See Raymond, Horace H., assignor.)

Stanley Works, The. (See Parsons, Stuart W., assignor.)

Stark, John W. (See Morgan, O., and Stark.)

Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical generating system. 1,736,805; Nov. 26.

Steam Pressing Iron Company. (See Hoffman, Louis, assignor.)

Stearns, Harry C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for arranging articles. 1,737,438; Nov. 26.

Steele, Marcus C., Hamburg, N. Y. Furnace. 1,737,392; Nov. 26.

Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse. 1,737,205; Nov. 26.

Stephens, Herman A., Sterling, Colo. Shock absorber and bumper for the tongues and doubletree equalizers of cultivators. 1,737,064; Nov. 26.

Stephens, Robert G., Los Angeles, Calif. Electric-lighting unit. 1,737,030; Nov. 26.

Sterling, Paul, Wilkes-Barre, Pa. Journal-lubricating means. 1,737,393; Nov. 26.

Sternberger, Charles. (See Harry, G. M., and Sternberger.)

Stevens, Frederick A., and J. W. Welsh, Providence, R. I., assignors to Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle temple. 1,736,954; Nov. 26.

Stevenson, Robert J., and H. T. Colby, deceased, by L. B. Colby, Los Angeles, Calif., administrators, assignors, by mesne assignments, to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Smoker's stand. Re17,500; Nov. 26.

Stewarts & Lloyds Limited. (See Atha, Charles G., assignor.)

Stickney, Burnham C., Hilde, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,737,439; Nov. 26.

Stohr, Frederick W., South St. Paul, Minn. Railway spike. 1,737,206; Nov. 26.

Stokes, John S. (See Novotny, Emil E., assignor.)

Storey, Oliver W., and J. G. Zimmerman, assignors to C. F. Burgess Laboratories, Inc., Madison, Wis. Dry cell. 1,737,130; Nov. 26.

Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing apparatus. 1,737,089; Nov. 26.

Stratmore Company, The. (See Stratford, Herbert R., assignor.)

Stryker, George W., Los Angeles, Calif. Phenol-formaldehyde condensation product and making same. 1,737,031; Nov. 26.

Sudek, Joseph, Jr., East Paterson, N. J. Hawk. 1,737,274; Nov. 26.

Sudek, Joseph, Jr., East Paterson, N. J. Handle member for tools. 1,737,275; Nov. 26.

Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See Mercer, Henry H., assignor.)

Summit Thread Company. (See Ham, Robert L., assignor.)

Sunday, James J., assignor to Standard Tube & Manufacturing Company, Detroit, Mich. Exhaust-gas heater. 1,737,394; Nov. 26.

Sundstrand Machine Tool Co. (See De Villeg, Charles B., assignor.)

Sweeney, Orland R., Ames, Iowa, assignor to Ward-Love Pump Corporation, Rockford, Ill. Water-softener brine tank. 1,736,890; Nov. 26.

Szekely, Otto E., Holland, Mich. Support for washing machines. 1,736,949; Nov. 26.

"Taco" Kraftfahrzeug-Werkstätten G. m. b. H. (See Tauf-fenbach V., and Greiner, assignors.)

Taglang, Lucy, Hoboken, N. J. Combination crib and play pen. 1,737,276; Nov. 26.

Talbot, Benjamin, North Allerton, England, assignor to Talbot Non-Corrosive Linings Company, Philadelphia, Pa. Coated article and making same. 1,737,033; Nov. 26.

Talbot Non-Corrosive Linings Company. (See Talbot, Benjamin, assignor.)

Tasker, Homer G. (See Gary, L. A., and Tasker.)

Taufenbach, Valerie, née Waller, Berlin-Charlottenburg, and C. Greiner, Berlin-Halensee, assignors to "Taco" Kraftfahrzeug-Werkstätten G. m. b. H., Berlin-Charlottenburg, Germany. Vehicle spring protection. 1,737,207; Nov. 26.

Taufener, Herman O. F. (See Saffold, C. R., and Tauf-ener.)

Tavani, Joseph, Philadelphia, Pa. Automatically controlling the operation of moving-picture machines and for operating a fire-control shutter. 1,737,034; Nov. 26.

Taylor, Claude C., Fullerton, assignor to Union Oil Company of California, Los Angeles, Calif. Gas-lift connection for oil wells. 1,737,541; Nov. 26.

Taylor, Thomas H. (See Dewey, Seymour B., Jr., assignor.)

Teaskey, Karl, Esslingen-on-the-Neckar, Germany. Blank-transferring device for machine tools. 1,737,208; Nov. 26.

Textile Patents Corporation. (See Baader, Herman, assignor.)

Thalhofer, Walter, Vienna, Austria, assignor to A. G. für Chemische Industrie in Liechtenstein, Schaan, Liechtenstein. Protection of metallic surfaces against incrustation and corrosion. 1,736,986; Nov. 26.

Thalhofer, Walter, Vienna, Austria, assignor to A. G. für Chemische Industrie in Liechtenstein, Schaan, Liechtenstein. Protection of metallic surfaces against incrustations and deposits. 1,736,987; Nov. 26.

Thau, Sam. (See Kiwad, M., and Thau.)

Thomas, Clifford S., Gorham, Me. Cable clamp. 1,736,807; Nov. 26.

Thomas, Frank, Indianapolis, Ind. Amusement house. Des. 79,998; Nov. 26.

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Exhaust box. 1,736,891; Nov. 26.

Thompson, Charles S., Park Ridge, and W. B. Long, assignors to Union Special Machine Company, Chicago, Ill. Needle-actuating mechanism for sewing machines. 1,737,395; Nov. 26.

Thompson, John W., Stanmore, near Sydney, New South Wales, Australia. Concrete-building construction. 1,737,526; Nov. 26.

Thompson Products, Inc. (See Bissell, Richard E., assignor.)

Thompson, Somerville W., trustee. (See Tillson, Edwin D., assignor.)

Thompson, William D., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car-body construction. 1,737,527; Nov. 26.

Thonet, Joseph R., Wakefield, assignor to Sprague-Hathaway Manufacturing Co., Somerville, Mass. Photograph-printing machine. 1,737,440; Nov. 26.

Thornton, Arthur G., Edinburgh, Scotland. Bag or carrier. 1,737,085; Nov. 26.

Thornton, Richard W., Denver, Colo. Playground apparatus. 1,737,066; Nov. 26.

Thurman, William B., and M. W. Hild, Stockton, Calif., assignors to Fireproof Wall Company, Reno, Nev. Securing plaster board in place. 1,737,100; Nov. 26.

Tideman, Carl E., assignor to Burlingame Machine Company, Worcester, Mass. Wire-drawing machine. 1,737,345; Nov. 26.

Tillotson Manufacturing Company, The. (See Ritter, George F., assignor.)

Tillson, Edwin D., Evanston, assignor to S. W. Thompson, trustee, Chicago, Ill. Bowl for indirect-lighting fixtures. Des. 79,999; Nov. 26.

Tölke, Friedrich. (See Probst, E., and Tölke.)

Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Draft gear. 1,736,947; Nov. 26.

Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)

Tompkins, Robert O., Klamath Falls, Oreg. Saw-table gauge. 1,737,131; Nov. 26.

Toothaker, Fred E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for tempering shoe parts. 1,736,892; Nov. 26.

Tri-Lok Company. (See Goertz, Albert, assignor.)

Troy, Max, Brooklyn, assignor to General Linen Supply & Laundry Co., Inc., New York, N. Y. Washing machine. 1,737,480; Nov. 26.

Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Production of hook plates and hooks for temporary binders. 1,736,808; Nov. 26.

Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)

Tuzek, Franz. (See Kämpf Müller, K., Tuzek, and Mayer.)

Tupper, Frank H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator cylinder. 1,736,988; Nov. 26.

Turnbow, Grover D., Davis, assignor of one-half to C. E. Gray, Oakland, Calif. Frozen-food product and making same. 1,737,101; Nov. 26.

Turnbull, Nicholas K., Milport, Scotland. Galvanizing bath. 1,736,948; Nov. 26.

Tuska, Clarence D., Hartford, Conn., assignor, by mesne assignments to Radio Corporation of America. Variable-capacity apparatus. 1,737,277; Nov. 26.

Tyler, W. S., Company, The. (See Distro, Roger W., assignor.)

Tyler, W. S., Company, The. (See Nickerson, Franklin P., assignor.)

Ulmer, George G., Jr., assignor to Standard Sterilizer Manufacturing Company, Minneapolis, Minn. Bedside table. 1,737,441; Nov. 26.

Underwood Elliott Fisher Company. (See Cooper, John J., assignor.)

Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)

Unger, Lloyd A., trustee. (See Lonaberger, R. F., and Sands, assignors.)
 Union Drawn Steel Company. (See Leech, Jacob T., assignor.)
 Union Iron Works. (See Bach, George W., assignor.)
 Union Oil Company of California. (See Taylor, Claude C., assignor.)
 Union Special Machine Company. (See Thompson, C. S., and Long, assignors.)
 United-Carr Fastener Corporation. (See Johnson, Gustav, assignor.)
 United Shoe Machinery Corporation. (See Toothaker, Fred E., assignor.)
 United Shoe Machinery Corporation. (See Jorgensen, Bernhard, assignor.)
 Universal Labels Limited. (See Simpson, Arthur A., assignor.)
 Universal Winding Company. (See Parks, Edward F., assignor.)
 V. Wrocl, Bronislaw, Berlin-Lichterfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electrical condenser. 1,736,811; Nov. 26.
 Valentine, William M., Rochester, N. Y. Telephone support. 1,737,209; Nov. 26.
 Valliquette, William L., assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Gauge for paper-cutting machines. 1,737,528; Nov. 26.
 Vanadium Alloys Steel Company. (See McKenna, Philip M., assignor.)
 Vanderbilt, R. T., Company. (See Murrill, Paul L., assignor.)
 Van Der Pol, Balthasar, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Coupling unit. 1,737,278; Nov. 26.
 Van Dyke, Jesse, Kansas City, Mo. Hat support. 1,736,809; Nov. 26.
 Vawter, Charles E., Philadelphia, Pa. Electric lighter. Des. 80,010; Nov. 26.
 Veazey, William R., Cleveland Heights, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Insecticidal composition. 1,737,132; Nov. 26.
 Venge, John, New Orleans, La. Combination umbrella and chair. 1,736,893; Nov. 26.
 Verret, Nicholas J., Memphis, Tenn. Take-off and landing apparatus for aeroplanes. 1,737,483; Nov. 26.
 Vester, Alfred, Sons, Inc. (See Wightman, Thomas H., assignor.)
 Victor Talking Machine Company. (See Elliott, Harold F., assignor.)
 Viele, John H., Elmira, N. Y. Valve for fuel-storage tanks. 1,737,529; Nov. 26.
 Viken, Antonius J. (See Beldier, D. C., and Viken.)
 Von Alvensleben, Frieda, née Wagner, Gut Ruatberg, near Arenshausen, Germany. Handle-supporting closure band for vessels. 1,736,961; Nov. 26.
 Vyvyan, Richard N. (See Wright, G. M., and Vyvyan.)
 Wagner, Charles, Grantwood, and A. Hormel, Jersey City, N. J., assignors to Charles Wagner Litho. Machinery Company, Inc. Drying apparatus for plates of metal and other material. 1,736,868; Nov. 26.
 Wagner, Charles, Litho. Machinery Company. (See Wagner, C., and Hormel, assignors.)
 Wagner, George P., New York, N. Y., assignor, by mesne assignments, to Air Line Transportation Company, Philadelphia, Pa. Lift mechanism for aircraft. 1,737,035; Nov. 26.
 Walker, Robert J. (See Bernon, Louis M., assignor.)
 Wallerstein Company. (See Wallerstein, Leo, assignor.)
 Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Cereal extract and making same. 1,737,279; Nov. 26.
 Walls, James E. (See Harley, Bertron G., assignor.)
 Walls, James E. (See Willis, Wilfred E., assignor.)
 Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Box. 1,737,280; Nov. 26.
 Walther, Heinrich, Oberrad, near Frankfurt-on-the-Main, Germany. Machine for manufacturing boots and shoes. 1,737,484; Nov. 26.
 Wangemann, Paul, Berlin, Germany. Fastening postage stamps in albums. 1,736,950; Nov. 26.
 Ward, James H., Jr., assignor to The Federal Mail Box Co., Inc., Gary, Ind. Mail box. 1,736,895; Nov. 26.
 Ward-Love Pump Corporation. (See Sweeney, Orland R., assignor.)
 Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
 Waters, Gabe H., Greer, S. C. Loud-speaker horn. 1,737,102; Nov. 26.
 Watts, John S., New York, N. Y. Flow nipple. 1,737,281; Nov. 26.
 Wayne Home Equipment Company, The. (See Griffin, William M., assignor.)
 Wayne Pump Company, The. (See Parker, W. H., and Delaney, assignors.)
 Webb, Norman E., Melba, Idaho. Water-power device. 1,737,530; Nov. 26.
 Wego, Peter C., assignor to Standard Conveyor Company, St. Paul, Minn. Lubricating means for conveyor rollers. 1,737,036; Nov. 26.
 Weldner, Nathan, Bronx, N. Y. Atomizer. 1,737,442; Nov. 26.
 Weiner, Emil, and H. Katims, New York, N. Y. Textile fabric. Des. 80,000; Nov. 26.

Weinland, Hermon G., assignor to The Safety Grinding Wheel and Machine Company, Springfield, Ohio. Grinding machine. 1,737,485; Nov. 26.
 Weiss, Howard F., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Fibrous material and making same. 1,737,282; Nov. 26.
 Weiss, Howard F., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Multiply paper machine. 1,737,283; Nov. 26.
 Weiss, Karl W., Yonkers, N. Y. Nonskid armor for tires. 1,737,531; Nov. 26.
 Welk, Nelson S., assignor to The McBee Binder Company, Athens, Ohio. Compressing means for filing trays. 1,736,810; Nov. 26.
 Welsh, James W. (See Stevens, F. A., and Welsh.)
 Welsh, James W., Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,736,951; Nov. 26.
 Welsh, James W., Providence, R. I., assignor, by mesne assignments, to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple and making the same. 1,736,952; Nov. 26.
 Welsh, James W., Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple and making the same. 1,736,953; Nov. 26.
 Welsh, James W., Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Machine for making spectacle temples. 1,736,955; Nov. 26.
 Weltner, Corlies L., assignor of three-fourths to A. H. Moser, Parkersburg, W. Va. Aeroplane. 1,737,210; Nov. 26.
 Werking, Leroy C. (See Benner, R. C., and Werking.)
 Wescott, Walter W., et al. (See Schiller, J. F., and Wescott, assignors.)
 Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Rubber-fiber article and making the same. 1,737,133; Nov. 26.
 Wescott, William B., Wellesley, assignor to American Protein Corporation, Boston, Mass. Centrifuge. 1,737,287; Nov. 26.
 Western Blind and Screen Company. (See Bissell, Robert W., assignor.)
 Western Electric Company. (See Evans, Porter H., assignor.)
 Western Electric Company. (See Stearns, Harry C., assignor.)
 Western Waxed Paper Company. (See McDonald, Richard A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Brelsky, John V., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Clayton, E. M., and Cobb, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Mottlau, August J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Tupper, Frank H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See White, Thomas U., assignor.)
 Wetzel, Edward A., Royal Oak, Mich., assignor to Hale & Kilburn Co., Philadelphia, Pa. Automobile door. 1,736,867; Nov. 26.
 Whelan, Andrew T., Syracuse, N. Y. Operating table. 1,736,957; Nov. 26.
 White, Harold E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal circuit controller. 1,736,869; Nov. 26.
 White, Ronald F., Midland, Ontario, Canada. Grain-car door. 1,736,894; Nov. 26.
 White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,737,037; Nov. 26.
 White, William E., assignor to Kalman Steel Company, Chicago, Ill. Reinforcing fabric support. 1,737,396; Nov. 26.
 Whitecar, Frank, Irvington, N. J., assignor to General Motors Corporation, Detroit, Mich. Punching machine. 1,736,958; Nov. 26.
 Whitson, Ralph A. (See Illmann, R., and Whitson.)
 Whitwell, John H., Philadelphia, Pa. Wall paper. Des. 80,002; Nov. 26.
 Whitwell, John H., Philadelphia, Pa. Wall paper. Des. 80,003; Nov. 26.
 Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 80,004; Nov. 26.
 Wignall, Harry. (See Saunders, K. H., and Wignall.)
 Wilckens, Ernst, Berlin, Germany. Sound-transmitting apparatus. 1,737,346; Nov. 26.
 Wilcox, Fred L., Tulsa, Okla. Tank. 1,736,842; Nov. 26.
 Wilcox, Le Roy, Detroit, Mich., assignor to Cope-Swift Company, Inc. Oil burner. 1,736,990; Nov. 26.
 Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Punch-holder mechanism. 1,737,443; Nov. 26.
 Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Oven door. 1,737,134; Nov. 26.
 Williamson, Floyd M., Detroit, Mich. Adjustable holding device. 1,737,397; Nov. 26.
 Willis, Wilfred E., Teaneck, N. J., assignor to J. E. Wallis, Middletown, Del. Speed boat. 1,737,180; Nov. 26.

Wilson, Earl R., Flint, assignor to General Motors Corporation, Detroit, Mich. Thermostat mounting. 1,737,103; Nov. 26.
 Wilson, John G., Paoli, Pa. Hammer mill. 1,737,444; Nov. 26.
 Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Heat exchanger. 1,737,347; Nov. 26.
 Windfeldt, Christian J., New Rochelle, N. Y. Sanding and polishing machine. 1,737,135; Nov. 26.
 Winett, Schal A., New York, N. Y. Clothesline attachment. 1,736,868; Nov. 26.
 Winship, Emory. (See Rayburn, Alden G., assignor.)
 Winter, Ernst, & Sohn. (See Winter, Heinrich E. E., assignor.)
 Winter, Heinrich E. E., assignor to the firm of Ernst Winter & Sohn, Hamburg, Germany. Apparatus for manufacturing rigid grinding bodies of emery, carborundum, or the like. 1,737,486; Nov. 26.
 Wired Radio, Inc. (See Nicholson, Alexander M., assignor.)
 Wodack Electric Tool Corporation. (See Haas, Joseph F., assignor.)
 Wolf, Benzion, Chicago, Ill. Garter. 1,737,067; Nov. 26.
 Wood, Walter. (See Camerota, Louis A., assignor.)
 Woodward, Frank N., Coal City, Ind. Repairing leaks in pipe lines. 1,737,181; Nov. 26.
 Wright, George M., Chesterfield, and R. N. Vyvyan, Hampstead, London, England, assignors to Radio Corporation of America. Variable illuminant. 1,737,288; Nov. 26.
 Wünsch, Erich P. G., Steglitz, near Berlin, assignor to Askania-Werke A.-G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Lateral-reading compass. 1,737,487; Nov. 26.

Wyatt, De Witt H., Columbus, assignor to Frigidaire Corporation, Dayton, Ohio. Faucet for water coolers or the like. Des. 80,005; Nov. 26.
 Wyatt, De Witt H., Columbus, assignor to Frigidaire Corporation, Dayton, Ohio. Combined bubbler and drain basin for water coolers or the like. Des. 80,006; Nov. 26.
 Wydom, Herbert H., Boston, assignor to Hood Rubber Company, Inc., Watertown, Mass. Combined sole and heel. Des. 80,001; Nov. 26.
 Yamanouchi, Genkichi, Tokyo, Japan. Navigating machine. 1,736,896; Nov. 26.
 Yellow Truck & Coach Manufacturing Company. (See Rock, Carl J., assignor.)
 Young, Willis H., Pompton Lakes, N. J., assignor, by mesne assignments, to N. C. Mendes, New York, N. Y., trustee of Evernu Corporation, bankrupt. Hat protector. 1,737,289; Nov. 26.
 Youngblood, Jasper N., Fletcher, N. C. Bricklaying machine. 1,736,812; Nov. 26.
 Younger, Joshua M., Oakland, Calif. Dehydrator apparatus. 1,737,068; Nov. 26.
 Zapanta, Vicente S., San Francisco, Calif. Check protector. 1,737,136; Nov. 26.
 Zimmerman, James G. (See Storey, O. W., and Zimmerman.)
 Zohlen, John P., Sheboygan, Wis. Dilator. 1,737,488; Nov. 26.
 Zöllner, Clemens. (See Schoeller, W., and Zöllner.)
 Zuckerman, Roscoe C., Stockton, Calif. Potato cleaner. 1,736,813; Nov. 26.
 Zuckerman, Roscoe C., Stockton, Calif. Potato digger. 1,736,960; Nov. 26.
 Zumwalt, Ivy G., Colusa, Calif. Self-propelled rice harvester. 1,736,897; Nov. 26.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF NOVEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive device. F. O. Albertson and G. Olsen. 1,736,869; Nov. 26.
Acid. Contact process for manufacturing sulphuric. H. F. Merriam. 1,737,320; Nov. 26.
Advertising column. J. B. Holtz. Des. 79,965; Nov. 26.
Advertising device. J. E. O'Brien and T. F. O'Brien. 1,736,860; Nov. 26.
Advertising pedestal for clock and weighing machine. J. B. Holtz. Des. 79,966; Nov. 26.
Aeroplane. C. L. Weltner. 1,737,210; Nov. 26.
Aeroplanes. Take-off and landing apparatus for. N. J. Verret. 1,737,483; Nov. 26.
Air-conditioning system. C. A. Bulkeley and L. W. Child. 1,737,040; Nov. 26.
Aircraft. Lift mechanism for. G. P. Wagner. 1,737,035; Nov. 26.
Air purifying and deodorizing device. G. B. Allen. 1,737,532; Nov. 26.
Aldehyde-amine reaction products. Manufacture of. C. O. North and W. Scott. 1,737,384; Nov. 26.
Aldehyde-amine reaction products. Manufacturing derivatives of. W. Scott. 1,737,391; Nov. 26.
Alkali carbonates and ammonia, by saponification of calcium cyanamide. Production of. M. Buchner. 1,737,297; Nov. 26.
Alloy and manufacturing the same. Hard. P. M. McKenna. 1,737,255; Nov. 26.
Ammeter—magnetic-pointer type. J. E. Eshbaugh. 1,737,303; Nov. 26.
Ammonium compound and making same. Quaternary. M. Hartmann and J. Kägi. 1,737,458; Nov. 26.
Amusement house. F. Thomas. Des. 79,998; Nov. 26.
Amusement ride. H. W. Sellner. 1,737,032; Nov. 26.
Anchorage for automobile radiators. W. W. Muir. 1,737,057; Nov. 26.
Antiskid armor for cushion-tire wheels. H. N. Shaw. 1,737,437; Nov. 26.
Applicator. Medicament. E. L. Foley. 1,737,454; Nov. 26.
Aqueous emulsion and making the same. Stable. C. A. Baun. 1,737,491; Nov. 26.
Arch support and grip. Metatarsal. C. O. Johnson. 1,736,827; Nov. 26.
Arm rest. M. C. Balcer. 1,737,350; Nov. 26.
Arranging articles. Apparatus for. H. C. Stearns. 1,737,438; Nov. 26.
Arranging articles for stacking. Apparatus for. A. E. Burtchell. 1,737,042; Nov. 26.
Athletic standard. B. J. Craig. 1,737,108; Nov. 26.
Atomizer. M. Cuel. 1,737,299; Nov. 26.
Atomizer. N. Weidner. 1,737,442; Nov. 26.
Atomizing device for pulverulent material. E. Greiser. 1,736,969; Nov. 26.
Attaching means. A. Schroeder. 1,737,028; Nov. 26.
Attaching means for articles. C. G. King. 1,737,375; Nov. 26.
Attrition mill. E. M. Brennan and A. P. Daniel. 1,737,183; Nov. 26.
Audion tube. W. J. Albersheim. 1,736,815; Nov. 26.
Automatic ventilator. D. A. McQuistan. 1,737,054; Nov. 26.
Automobile signal. R. F. Ordway. 1,737,386; Nov. 26.
Automobiles. Antidrift attachment for. R. F. Reich. 1,736,837; Nov. 26.
Awning arm. J. Padavic. 1,736,936; Nov. 26.
Axle. Drive. A. G. Rayburn. 1,736,836; Nov. 26.
Backband. W. P. Gideon. 1,737,307; Nov. 26.
Backboard. E. J. Gross. 1,736,879; Nov. 26.
Bag. See—
Repair bag.
Bag or carrier. A. G. Thornton. 1,737,065; Nov. 26.
Baling press. J. H. McLean. 1,737,194; Nov. 26.
Band-turning device. W. F. Irrgang. 1,737,157; Nov. 26.
Bark-removing machine. K. R. Lagus. 1,736,924; Nov. 26.
Bars and shapes. Apparatus for straightening metal. J. T. Leech. 1,736,976; Nov. 26.
Basket feeder. Automatic. P. Navarre. 1,736,935; Nov. 26.
Bath. See—
Galvanizing bath.
Battery construction. Dry. H. R. C. Anthony. 1,737,445; Nov. 26.
Battery electrodes. Preservice protection of. Storage. R. C. Benner and L. C. Werking. 1,737,039; Nov. 26.
Bearing mounting. T. C. Delaval-Crow. 1,736,966; Nov. 26.
Bearings. Assembling. H. R. Gibbons. 1,736,959; Nov. 26.
Bed construction. W. J. Duvall. 1,736,878; Nov. 26.
Bedside table. G. G. Ulmer, Jr. 1,737,441; Nov. 26.
Belt tightener. P. E. Mahaffey. 1,737,467; Nov. 26.
Bending machine. O. Schachtel. 1,737,097; Nov. 26.
Bias cutter. M. Castricum. 1,737,146; Nov. 26.
Binder. Edge. H. B. Houston. 1,737,243; Nov. 26.
Binder. Loose-leaf. D. S. McCheaney. 1,737,470; Nov. 26.
Binder. Temporary. E. Davidson. 1,737,109; Nov. 26.
Bit. See—
Rotary bit.
Board. See—
Directory board. Fabric-bolt board.
Boat. B. G. Harley. 1,737,154; Nov. 26.
Boat. Speed. A. Desaye. 1,736,904; Nov. 26.
Boat. Speed. W. E. Willis. 1,737,180; Nov. 26.
Boats. Device for recovering submarine. A. F. Petris. 1,736,983; Nov. 26.
Bobbin-winding machine. E. F. Parks. 1,737,198; Nov. 26.
Boiler. See—
Steam boiler.
Boiler. G. W. Bach. 1,736,898; Nov. 26.
Bookstack. A. S. Macdonald. 1,736,883; Nov. 26.
Boom for ships and turntable therefor. Unloading. J. R. Sensibar. 1,737,342; Nov. 26.
Booster control. F. R. Peters. 1,736,886; Nov. 26.
Bottle. M. B. de Wagner. Des. 79,958; Nov. 26.
Bowl for indirect-lighting fixtures. E. D. Tillson. Des. 79,999; Nov. 26.
Box. See—
Exhaust box. Mail box.
Lunch box. Switch box.
Box. W. H. Champlin. 1,737,186; Nov. 26.
Box. H. B. Walter. 1,737,280; Nov. 26.
Braiding machine. S. B. Blaisdell. 1,737,405; Nov. 26.
Brake. F. O. Christel. 1,737,357; Nov. 26.
Brake. R. S. Sanford. 1,737,025; Nov. 26.
Brake. W. J. Sovereign. 1,736,985; Nov. 26.
Brake and clutch band and making the same. G. M. Harry and C. Sternberger. 1,736,913; Nov. 26.
Brake-equalizing system. Vehicle. A. W. Marsden. 1,737,254; Nov. 26.
Brake mechanism. Air. A. L. Goodnight. 1,736,910; Nov. 26.
Brake shoe. L. E. La Brie. 1,737,013; Nov. 26.
Branding or otherwise marking case ends and the like. Apparatus for. A. A. Simpson. 1,737,479; Nov. 26.
Breeding mark for small animals. A. Reimer. 1,737,201; Nov. 26.
Bricklaying machine. J. N. Youngblood. 1,736,812; Nov. 26.
Brick. Refractory arch. R. J. Himmelright. 1,737,239; Nov. 26.
Brine tank. Water-softener. O. R. Sweeney. 1,736,890; Nov. 26.
Brush and drier for printing presses. Hot-air. W. J. Price. 1,737,174; Nov. 26.
Bubbler and drain basin for water coolers or the like. Combined. D. H. Wyatt. Des. 80,006; Nov. 26.
Buckler. Elevator. D. Geddes. 1,737,231; Nov. 26.
Buckle. W. H. Carroll. 1,737,492; Nov. 26.
Buckle. T. H. Wightman. Des. 80,004; Nov. 26.
Buckle. Strap. A. F. Bernard. 1,737,404; Nov. 26.
Building. G. Mundwiler. Des. 79,977; Nov. 26.
Building machine. Heel-base. C. O. Ryberg. 1,737,129; Nov. 26.
Bung. W. M. Bell. 1,737,182; Nov. 26.
Burner. See—
Fuel burner. Oil burner.
Burning finely-divided fuel. E. Lundgren. 1,736,929; Nov. 26.
Cabinet and container for said cabinet. Vending display. H. C. Hodgkins. 1,737,156; Nov. 26.
Cabinet. Display. I. P. Pearlman. Des. 79,980; Nov. 26.
Cable clamp. C. S. Thomas. 1,736,807; Nov. 26.
Caloric energy. Plant for economically using. O. F. K. Brandt. 1,737,075; Nov. 26.
Camera finders and the like. Hood for. D. C. Beldler and A. J. Viken. 1,737,038; Nov. 26.
Can. See—
Dredging can. Tobacco can.
Candle. Electric. W. A. Black. 1,736,820; Nov. 26.
Cap lock. J. J. Sarrazin. 1,736,838; Nov. 26.
Capacity apparatus. Variable. C. D. Tuaka. 1,737,277; Nov. 26.
Cups or lids of gasoline tanks and the like. Operating means for. M. F. Harris. 1,736,971; Nov. 26.
Car-body construction. W. D. Thompson. 1,737,527; Nov. 26.
Car wheel. Industrial. E. A. Exton. 1,737,228; Nov. 26.

XXX

ALPHABETICAL LIST OF INVENTIONS

XXXI

Carbon. Manufacture of articles from molten. S. Münch. 1,736,832; Nov. 26.
Carburetor. E. C. Beasley. 1,737,070; Nov. 26.
Carburetor. A. J. Bright. 1,737,184; Nov. 26.
Carburetor. E. Feroldi. 1,737,496; Nov. 26.
Carburetor. G. F. Ritter. 1,737,095; Nov. 26.
Carding picker. C. Schofield. 1,737,435; Nov. 26.
Cards. Playing. J. E. Simmons. 1,737,478; Nov. 26.
Carrier for shell fishhooks. W. L. Knettles. 1,737,376; Nov. 26.
Cartridge. Thermostatic. J. H. Sheats. 1,736,984; Nov. 26.
Case hardening. A. B. Kinzel. 1,736,920; Nov. 26.
Casing. Clock. W. O. Gould. Des. 79,963; Nov. 26.
Casting machine. N. H. Denner. 1,737,001; Nov. 26.
Catch. Cabinet. H. H. Raymond. Des. 79,983; Nov. 26.
Catch. Safety. E. Morehouse. 1,737,382; Nov. 26.
Centrifugal machine. A. U. Ayres. 1,737,137; Nov. 26.
Centrifuge. W. B. Wescott. 1,737,287; Nov. 26.
Chain. K. Fassnacht. 1,736,772; Nov. 26.
Chair. See—
Dental chair. Folding chair.
Chair. J. M. Childers. 1,737,107; Nov. 26.
Chair or similar article. S. I. Levinson. Des. 79,973; Nov. 26.
Channel-forming apparatus for telephone and the like cables. J. A. Kirby. 1,737,314; Nov. 26.
Check protector. V. S. Zapanta. 1,737,136; Nov. 26.
Chipper. W. J. Merkel and E. C. Shaw. 1,736,858; Nov. 26.
Circuit breaker. Earthquake-operated safety automatic. J. L. Blalack. 1,737,105; Nov. 26.
Circuit controller. Thermal. H. E. White. 1,736,989; Nov. 26.
Circuits. High-frequency electrical. E. L. Powell. 1,737,125; Nov. 26.
Circuits. Telegraph repeater. J. Herman. 1,736,786; Nov. 26.
Clamp. See—
Cable clamp. Saw clamp.
Clamp. P. W. Jones. 1,737,246; Nov. 26.
Cleaner. See—
Comb cleaner. Potato cleaner.
Cleaning compound. S. B. Dewey, Jr. 1,737,222; Nov. 26.
Cleaning compounds. Making. S. B. Dewey, Jr. 1,737,223; Nov. 26.
Cleaning machine. K. C. Jones. 1,737,115; Nov. 26.
Clinker cooler. R. W. Ryder. 1,737,061; Nov. 26.
Closing means for discharge orifices. L. and J. Elrich. 1,737,301; Nov. 26.
Closure. Bottle. F. H. Silverthorne. 1,737,273; Nov. 26.
Cloth board and its manufacture. J. C. Dunn. 1,737,361; Nov. 26.
Clothesline attachment. S. A. Winett. 1,736,868; Nov. 26.
Clothesline tightener. M. Bocchino. 1,737,406; Nov. 26.
Clothesline tightener. J. M. Meredith. 1,737,195; Nov. 26.
Clutch and change-speed gear. Progressive. J. M. J. F. Meyner. 1,736,932; Nov. 26.
Coal-separating apparatus. E. J. Corcoran. 1,737,410; Nov. 26.
Coated article and making the same. B. Talbot. 1,737,033; Nov. 26.
Coating confectionery and the like. G. R. Baker, J. W. Epps, and G. W. Perks. 1,737,447; Nov. 26.
Cock. Dual-control sill. G. Benson. 1,736,843; Nov. 26.
Coin control and change-making device. W. T. Mitchell. 1,737,511; Nov. 26.
Comb cleaner. N. Fulton. 1,736,782; Nov. 26.
Compass. Lateral-reading. E. P. G. Wunsch. 1,737,487; Nov. 26.
Composite structure. R. P. Carlton. 1,736,964; Nov. 26.
Composition for removing boiler scale. H. Rathje. 1,736,800; Nov. 26.
Composition. Insecticidal. W. R. Veasey. 1,737,132; Nov. 26.
Compressing means for filling trays. N. S. Welk. 1,736,810; Nov. 26.
Concentrator. Centrifugal. K. T. R. Lundgren. 1,736,792; Nov. 26.
Concrete building construction. J. W. Thompson. 1,737,526; Nov. 26.
Concrete mixer. C. H. Scott. 1,737,522; Nov. 26.
Condenser. C. A. Birch-Field. 1,736,823; Nov. 26.
Condenser. Electrical. B. v. Wysocki. 1,736,811; Nov. 26.
Conduit fitting. H. A. Selab. 1,736,888; Nov. 26.
Connector. L. McCracken. 1,737,506; Nov. 26.
Connecting block for electric-light clusters. V. R. Despard and H. C. B. Popp. 1,736,779; Nov. 26.
Container. Collapsible. D. J. Bellin. 1,736,874; Nov. 26.
Container. Collapsible. H. T. Girdlestone and J. Rest. 1,737,417; Nov. 26.
Control for electrically-driven compressors. A. Ruckstuhl. 1,737,835; Nov. 26.
Control mechanism for motor vehicles. G. M. Bacon. 1,737,489; Nov. 26.
Control mechanism. Web-roll. W. H. Ogden. 1,736,834; Nov. 26.
Control of electrically-driven reciprocating apparatus. J. J. Cooper. 1,737,358; Nov. 26.
Control system. Supervisory. T. U. White. 1,737,037; Nov. 26.
Controlling means on current conductors for high-frequency purposes. M. Osnos. 1,737,169; Nov. 26.
Controlling the feed water of steam boilers. Apparatus for automatically. L. M. Bernon. 1,737,213; Nov. 26.
Conveyer belt for washing machines and the like. P. H. Davis. 1,737,150; Nov. 26.
Conveying apparatus. S. E. Meyers. 1,737,090; Nov. 26.
Cooking apparatus. W. de Back. 1,736,778; Nov. 26.
Cooler. See—
Clinker cooler.
Cooling system. Motor. A. Nutt. 1,737,122; Nov. 26.
Corn-busking machine. W. W. Morrill. Des. 79,504; Nov. 26.
Counterweight mechanism. J. E. Glocker. 1,736,784; Nov. 26.
Counting and grouping machine. J. S. Reaves. 1,737,023; Nov. 26.
Coupling. See—
Elastic coupling. Threadless coupling.
Hose coupling.
Coupling. R. L. Aumack. 1,736,818; Nov. 26.
Coupling and release of air on railroad cars. Automatic. E. Schmoll. 1,737,271; Nov. 26.
Coupling device. M. Rabb. 1,737,481; Nov. 26.
Coupling unit. B. Van Der Pol. 1,737,278; Nov. 26.
Cover. Battery-crate. F. B. Deans. 1,737,411; Nov. 26.
Cover. Upholstery. J. P. Sadler, Jr. 1,737,476; Nov. 26.
Crab and playpen. Combination. L. Taglang. 1,737,276; Nov. 26.
Cultivator. W. M. Reynolds. 1,737,519; Nov. 26.
Current transformer. E. M. Clayton and H. E. Cobb. 1,736,964; Nov. 26.
Curtain, awning and shade. Combined. G. W. Bernauer. 1,737,212; Nov. 26.
Cushion. Spring. W. W. Doty. 1,737,112; Nov. 26.
Cuspidor. L. E. Ruf. 1,737,059; Nov. 26.
Cutter. See—
Blade cutter. Slab cutter.
Cutting machine. Button-blank. A. L. Currier. 1,736,901; Nov. 26.
Cylinder. Commutator. F. H. Tupper. 1,736,988; Nov. 26.
Cylinder. Thrashing. R. C. Ayers. 1,736,775; Nov. 26.
Dam. Open-structure. E. Probst and F. Tölke. 1,736,939; Nov. 26.
Deck and ladder thereof. Floating. A. M. Griffin. 1,736,825; Nov. 26.
Dehydrator. F. C. Chapman. 1,737,533; Nov. 26.
Dehydrator apparatus. J. M. Younger. 1,737,068; Nov. 26.
Delivering predetermined quantities of liquid. Apparatus with siphon mechanism for. P. Kajanoff. 1,737,501; Nov. 26.
Dental bridge. M. C. Lasky. 1,737,164; Nov. 26.
Dental chair. A. J. May. 1,737,505; Nov. 26.
Dental crowns. Making. J. Petry. 1,737,172; Nov. 26.
Dental crowns. Method of and apparatus for making. J. Petry. 1,737,539; Nov. 26.
Designs in furs. Producing. F. W. Horstmann. 1,737,085; Nov. 26.
Designs in furs. Producing. F. W. Horstmann. 1,737,086; Nov. 26.
Desk station for pneumatic dispatch systems. J. T. Cowley. 1,736,995; Nov. 26.
Device for insuring an intense stirring-up in explosion motors provided with two lateral valve boxes (T heads). A. A. Darche. 1,737,452; Nov. 26.
Differential. J. W. Roe. 1,737,390; Nov. 26.
Digger. See—
Potato digger.
Diquandine. M. Heyn. 1,737,192; Nov. 26.
Dilator. J. P. Zohlen. 1,737,488; Nov. 26.
Directory board. T. P. Richardson, Jr. 1,737,520; Nov. 26.
Dispenser. Soap. J. Fritsche. 1,736,824; Nov. 26.
Display and vending machine. Combined. R. C. Hardman. 1,737,499; Nov. 26.
Display device for cartons and the like. N. A. Davidson. 1,737,077; Nov. 26.
Display dress and coat hanger. W. E. Kehoe. Des. 79,968-9; Nov. 26.
Display fixture. J. J. O'Brien. 1,736,833; Nov. 26.
Display stand for doors and similar articles. A. Lobban. 1,736,828; Nov. 26.
Display stand. Shoe. M. E. Cusick. Des. 79,956; Nov. 26.
Distillation apparatus. Fractional. R. B. Chillas, Jr. 1,736,845; Nov. 26.
Door. Automobile. E. A. Wetzel. 1,736,867; Nov. 26.
Door check and closer. Combined. W. Price. 1,737,093; Nov. 26.
Door fitting. Sliding. C. E. Ekland and W. W. Darrow. 1,737,227; Nov. 26.
Door framing. I. A. Baum. 1,737,403; Nov. 26.
Door. Grain-car. R. F. White. 1,736,894; Nov. 26.
Door lock. P. R. Forman. 1,737,414; Nov. 26.
Door-operating system. H. Rowntree. 1,737,433; Nov. 26.
Door operator. J. A. Marzolf. 1,736,981; Nov. 26.
Door. Oven. A. R. Ross. 1,737,176; Nov. 26.
Door. Oven. S. A. Wilde. 1,737,134; Nov. 26.
Door peep. K. Bauer. 1,737,291; Nov. 26.
Doorstop. R. M. Pickard. Des. 79,982; Nov. 26.
Dough-cooking apparatus. W. Ehrhart. 1,737,363; Nov. 26.
Dough-sheeting machine and the like. G. R. Baker and J. C. Peterson. 1,737,349; Nov. 26.

Dredging can. S. H. Ludgren. 1,737,014; Nov. 26.
 Drier: See—
 Enamel drier.
 Drier. N. Panzireff. 1,736,980; Nov. 26.
 Drill: See—
 Stone drill.
 Drill. R. Krause. 1,737,462; Nov. 26.
 Drilling apparatus. H. H. Mercer. 1,737,508; Nov. 26.
 Drilling apparatus. Well. D. L. Johnson and W. F. Barnes. 1,736,854; Nov. 26.
 Drilling mechanism. H. H. Mercer. 1,737,507; Nov. 26.
 Drills. Blowing device for rock. W. A. Smith, Jr. 1,736,864; Nov. 26.
 Drills. Flushing device for rock. J. Kohlen. 1,736,922; Nov. 26.
 Drills. Shroud for well. F. L. Scott. 1,736,840; Nov. 26.
 Driving power-operated vehicles particularly aircraft. A. Helfenstein. 1,737,011; Nov. 26.
 Dry cell. O. W. Storey and J. G. Zimmerman. 1,737,130; Nov. 26.
 Drying apparatus for plates and other material. C. Wagner and A. Hormel. 1,736,866; Nov. 26.
 Drying ceramic ware. Process and apparatus for. W. J. Miller. 1,737,259; Nov. 26.
 Dyeing machine or the like. J. Brenzinger. 1,737,141; Nov. 26.
 Dyestuff. Trisazo. E. Fellmer. 1,736,905; Nov. 26.
 Dyestuffs. Increasing the fastness to light of basic. P. Rabe. 1,736,835; Nov. 26.
 Ear cigarette. L. E. Campbell and C. Brown. 1,737,106; Nov. 26.
 Effecting soaring flights and aeroplane therefor. A. Halsted. 1,737,101; Nov. 26.
 Egg products and producing the same. A. K. Epstein. 1,737,365; Nov. 26.
 Elastic coupling. P. Muck. 1,737,321; Nov. 26.
 Electric hair-pressing cap. W. G. Johnson. 1,737,460; Nov. 26.
 Electric machine. Dynamo. V. A. Fynn. 1,737,009; Nov. 26.
 Electric machines. Control system for dynamo. H. R. Patterson. 1,736,982; Nov. 26.
 Electric motor. A. G. Redmond. 1,737,387-9; Nov. 26.
 Electric reel switch. W. Hermann. 1,737,309; Nov. 26.
 Electrical contacts and other devices. Mechanism for operating. A. S. Newman. 1,737,264; Nov. 26.
 Electrical control system. F. H. Richterkessing. 1,736,801; Nov. 26.
 Electrical generating system. F. F. Starr. 1,736,865; Nov. 26.
 Electrical transposition system. H. A. Affel. 1,736,814; Nov. 26.
 Electrochemical process for the extraction of copper and zinc from ores. H. S. MacKay. 1,737,425; Nov. 26.
 Electrodepositing apparatus. W. W. McCord. 1,736,837; Nov. 26.
 Elevator: See—
 Sucker-rod elevator.
 Elevator. D. Dallin and A. L. Seun. 1,736,877; Nov. 26.
 Elevator. C. M. Gidley. 1,737,369; Nov. 26.
 Enamel drier. J. E. Birch. 1,737,293; Nov. 26.
 End gate or extension for mine cars. J. Ruffing, sr. 1,737,080; Nov. 26.
 Engine: See—
 Internal-combustion engine. Toy electric engine.
 Engines. Noise eliminator for internal-combustion. H. J. Lynd. 1,737,466; Nov. 26.
 Envelope or wrapper. Moistureproof. W. E. Molins. 1,737,055; Nov. 26.
 Etching machine. F. T. Powers. 1,736,862; Nov. 26.
 Ethylene glycol. Manufacture of. K. H. Saunders and H. Wignall. 1,737,545; Nov. 26.
 Exercising device. Finger. C. T. Marsh. 1,736,930; Nov. 26.
 Exhaust box. A. R. Thompson. 1,736,891; Nov. 26.
 Expansion joint. R. E. Martin. 1,737,318; Nov. 26.
 Extract and making same. Cereal. L. Wallerstein. 1,737,279; Nov. 26.
 Eyeglasses. A. J. Schwartz. 1,737,321; Nov. 26.
 Fabric bolt board. I. H. Bernstein. 1,736,776; Nov. 26.
 Farrowing apparatus. W. S. Barker. 1,737,211; Nov. 26.
 Fastener. Belt. L. Montigny. 1,737,167; Nov. 26.
 Fastener. Separable. G. Johnson. 1,737,537; Nov. 26.
 Fastening devices. Apparatus for making. L. H. Morin. 1,737,261; Nov. 26.
 Fastening devices. Making. L. H. Morin. 1,737,262; Nov. 26.
 Fastening. Pipe. S. Brown. 1,737,214; Nov. 26.
 Faucet. C. A. Meals. 1,737,427; Nov. 26.
 Faucet for water coolers or the like. D. H. Wyatt. Des. 80,005; Nov. 26.
 Feather-plucking device. J. Dunner. 1,737,225; Nov. 26.
 Feather-plucking device. Tapered roller. J. Dunner. 1,737,226; Nov. 26.
 Feeding mechanism. C. P. Brockway. 1,737,856; Nov. 26.
 Fertilizer distributor. J. K. Kolb. 1,737,377; Nov. 26.
 Fibrous material and making same. H. F. Weiss. 1,737,282; Nov. 26.
 Fibrous sheet. Laminated. M. Kliefoth. 1,737,285; Nov. 26.
 Fibrous sheet. Tapered. M. Kliefoth. 1,737,286; Nov. 26.
 File. Dental. C. S. Ivory. 1,737,374; Nov. 26.
 Film. Paper. H. S. McCracken. 1,737,053; Nov. 26.
 Film. Colored. L. Horst. 1,736,826; Nov. 26.

Filter. Gravity. H. G. Kamrath. 1,737,313; Nov. 26.
 Fishing creel. J. F. Burch and A. H. Morton. 1,737,450; Nov. 26.
 Flame spreader. C. W. Davis. 1,737,359; Nov. 26.
 Flue cap for gas stoves. J. A. McCarthy. 1,737,469; Nov. 26.
 Flue sander. G. Altinari and J. A. Campbell. Re17,506; Nov. 26.
 Fluid motor. Pressure. E. G. Gartin. 1,737,456; Nov. 26.
 Folding chair. J. Silverman. 1,736,804; Nov. 26.
 Food product and making same. Frozen. G. D. Turnbow. 1,737,101; Nov. 26.
 Fountain: See—
 Ink fountain.
 Friction butt. S. W. Parsons. 1,737,544; Nov. 26.
 Fruit jar. F. J. Semotan. 1,737,436; Nov. 26.
 Fuel burner. Pulverized. O. de Lorenzi. 1,736,903; Nov. 26.
 Fuel control. O. Mortenson and O. De Guire. 1,737,196; Nov. 26.
 Fuel furnace. Pulverized. H. R. Collins. 1,736,847; Nov. 26.
 Fuel injector. E. R. Hewitt. 1,737,155; Nov. 26.
 Fur machine. F. W. Horstmann. 1,737,087; Nov. 26.
 Furnace: See—
 Sectional furnace.
 Furnace. G. R. Pratt. 1,737,173; Nov. 26.
 Furnace. M. C. Steese. 1,737,392; Nov. 26.
 Furnace rubble-arm and tooth construction. G. E. Connolly. 1,736,769; Nov. 26.
 Furnace-wall construction. G. P. Jackson. 1,736,882; Nov. 26.
 Furnaces and the like. Conveying roll for. W. A. Morton. 1,737,117; Nov. 26.
 Fuse. A. G. Steinmayer. 1,737,205; Nov. 26.
 Galvanizing bath. N. K. Turnbull. 1,736,948; Nov. 26.
 Game board. C. W. Morgan. Des. 79,976; Nov. 26.
 Garment. A. H. Ostermann. 1,736,790; Nov. 26.
 Garter. B. Wolf. 1,737,067; Nov. 26.
 Gas heater. Exhaust. J. J. Sunday. 1,737,394; Nov. 26.
 Gas-lift connection for oil wells. C. C. Taylor. 1,737,541; Nov. 26.
 Gas-line feed. W. B. Jupp. 1,737,161; Nov. 26.
 Gasoline indicator. Dashboard. A. A. Mortensen. 1,736,797; Nov. 26.
 Gate-operating system. F. Kahler. 1,737,088; Nov. 26.
 Gauge: See—
 Table gauge.
 Gauge for paper-cutting machines. W. L. Valliquette. 1,737,528; Nov. 26.
 Gear blanks and the like. Forming. L. T. Frederick. 1,737,455; Nov. 26.
 Gear-cutting machine. H. D. Colman. 1,737,217; Nov. 26.
 Gear. Draft. C. H. Tomlinson. 1,736,947; Nov. 26.
 Gear. Elevator-door-locking. T. H. J. Simmons and E. Clemence. 1,736,805; Nov. 26.
 Gear. Transmission. B. V. Clark. 1,737,451; Nov. 26.
 Gearing. Friction-drive reduction. W. B. Bronander. 1,737,295; Nov. 26.
 Gib and wedge key for key bolts. R. V. Northey. 1,737,091; Nov. 26.
 Glass-blowing machine. L. D. Soubier. 1,737,524; Nov. 26.
 Glass feeder. A. N. Cramer. 1,737,220; Nov. 26.
 Glass feeder. L. D. Soubier. 1,737,525; Nov. 26.
 Glass-feeding apparatus. Adjustable cam mechanism for. E. H. Lorenz. 1,737,165; Nov. 26.
 Glass-forming apparatus. A. N. Cramer. 1,737,221; Nov. 26.
 Glass. Into mold charges. Forming hot. A. N. Cramer. 1,737,219; Nov. 26.
 Glass or like articles. Rounding off or beveling edges of. F. Liehl. 1,736,977; Nov. 26.
 Glove. Butcher's. E. R. Lowe. 1,736,928; Nov. 26.
 Gravestone. Chambered photo. J. Newhouse. 1,737,474; Nov. 26.
 Grease cup and closure. G. T. Chupp. 1,737,148; Nov. 26.
 Grease gun. Reservoir. H. Albertine. 1,737,399; Nov. 26.
 Grinding bodies of emery, carborundum, or the like. Apparatus for manufacturing rigid. H. E. E. Winter. 1,737,486; Nov. 26.
 Grinding machine. W. F. Fraser. 1,736,967; Nov. 26.
 Grinding machine. H. G. Weiland. 1,737,485; Nov. 26.
 Grinding machine. Crank-shaft. J. Johannessen. 1,737,159; Nov. 26.
 Ground switch. C. F. MacCarthy. 1,736,794; Nov. 26.
 Guard. Internal-brake dust. H. C. Olivier. 1,737,325; Nov. 26.
 Gun for blowing asphalt and the like. C. D. Boynton. 1,736,768; Nov. 26.
 Hair-curling form. D. E. Evans. 1,737,152; Nov. 26.
 Hair-cutting device. C. Kassow. 1,737,461; Nov. 26.
 Hammer. W. H. Gibbs. 1,737,497; Nov. 26.
 Hammer mill. J. G. Wilson. 1,737,444; Nov. 26.
 Handle and its mounting. H. A. Douglas. 1,736,849; Nov. 26.
 Handle-supporting closure band for vessels. F. von Alvensleben. 1,736,931; Nov. 26.
 Hanger or the like. Clothes. C. A. Robinson. 1,737,096; Nov. 26.
 Harvester. Self-propelled rice. I. G. Zumwalt. 1,736,897; Nov. 26.
 Hat protector. W. H. Young. 1,737,289; Nov. 26.
 Hawk. J. Sudek, jr. 1,737,274; Nov. 26.

Headlight. G. H. Cushing. 1,736,902; Nov. 26.
 Headlight. W. H. Schoonmaker. 1,737,027; Nov. 26.
 Hearing device for the deaf. F. E. Miller. 1,737,430; Nov. 26.
 Heat accumulator. A. Beaurienne. 1,737,490; Nov. 26.
 Heat distributor for cooking vessels. L. F. Hanes. 1,737,498; Nov. 26.
 Heat-exchange device. G. Flintermann. 1,736,906; Nov. 26.
 Heat exchanger. E. Haber. 1,737,189; Nov. 26.
 Heat exchanger. R. E. Wilson. 1,737,347; Nov. 26.
 Heater: See—
 Gas heater.
 Heater and softener. Water. P. P. Runnels. 1,737,202; Nov. 26.
 Heating apparatus. J. McKinley. 1,736,796; Nov. 26.
 Heating appliance. A. L. Oakley. 1,736,859; Nov. 26.
 Heating device. L. S. Brown. 1,737,142; Nov. 26.
 High-frequency communication. Apparatus for. H. B. Batson and G. W. Ankersen. 1,736,870; Nov. 26.
 Hinge. G. E. Roedding. Des. 79,985; Nov. 26.
 Hinge. Ironing-board. L. Dreckmann. 1,737,494; Nov. 26.
 Hinge. Toilet-seat. H. P. de Correvont. Des. 79,957; Nov. 26.
 Hitch. J. H. Pixley. 1,737,058; Nov. 26.
 Holder. Bill. E. M. Gattle. 1,737,230; Nov. 26.
 Holder. Brush. A. E. Buchenberg. 1,736,844; Nov. 26.
 Holder for automobiles. Electric fuse. J. W. Patrick. 1,737,329; Nov. 26.
 Holder for Christmas trees. Light. H. J. Miller. 1,737,381; Nov. 26.
 Holder. Match-package. R. N. Baylis. 1,737,139; Nov. 26.
 Holder. Nursing-bottle. L. B. McAnaney. 1,737,468; Nov. 26.
 Holder. Periodical. M. J. Franey. 1,736,908; Nov. 26.
 Holder. Rivet. E. N. Ove. 1,737,266; Nov. 26.
 Holding device. G. H. Derbyshire. 1,737,151; Nov. 26.
 Holding device. Adjustable. F. M. Williamson. 1,737,397; Nov. 26.
 Holding device for ironing-board covers. J. H. Dayton. 1,737,800; Nov. 26.
 Hose wheel. J. S. Johnson. 1,737,245; Nov. 26.
 Hook plates and hooks for temporary binders. Production of. C. D. Trussell. 1,736,808; Nov. 26.
 Horn. Loud-speaker. G. H. Waters. 1,737,102; Nov. 26.
 Horn mute. French. C. A. Schumann. 1,737,098; Nov. 26.
 Hose coupling. W. J. Lalonde. 1,736,923; Nov. 26.
 Humidifier. F. A. Eustis. 1,737,008; Nov. 26.
 Humidifier. E. J. P. Planert. 1,736,799; Nov. 26.
 Identifying light. Truck and bus. H. T. Ackerman. 1,737,398; Nov. 26.
 Illuminant. Variable. G. M. Wright and R. N. Vyvyan. 1,737,288; Nov. 26.
 Incinerator and fuel economizer. Combined. H. G. Bullock. 1,736,963; Nov. 26.
 Indicating apparatus for locomotive back pressure. E. S. Pearce and E. C. Karibo. 1,737,189; Nov. 26.
 Indicator: See—
 Gasoline indicator. Level indicator.
 Indicator. E. S. Pearce and E. C. Karibo. 1,737,200; Nov. 26.
 Ink fountain. H. C. Schroeder. 1,736,945; Nov. 26.
 Ink fountain and method. H. C. Schroeder. 1,736,941-4; Nov. 26.
 Inner tube for pneumatic tires. A. G. Flitz Gerald. 1,737,368; Nov. 26.
 Inscription device. G. B. Johnson. 1,737,500; Nov. 26.
 Insect trap. C. Milewski. 1,737,429; Nov. 26.
 Instrument for measuring variable forces. J. G. Paulin. 1,737,331; Nov. 26.
 Insulation. Electrical. C. R. Boggs. 1,736,899; Nov. 26.
 Internal-combustion engine. Variable-compression. F. E. Gough. 1,737,082; Nov. 26.
 Jack: See—
 Lifting jack.
 Jar: See—
 Fruit jar.
 Joint: See—
 Expansion joint. Universal joint.
 Kennel. Breeding. H. Boldt. 1,737,073; Nov. 26.
 Kernels of coffee berries and other similar fruits. Process and apparatus for stripping the. S. Birnie. 1,737,071; Nov. 26.
 Ketone and making same. W. Schoeller and C. Zöllner. 1,737,203; Nov. 26.
 Kiln. H. M. Robertson. 1,737,540; Nov. 26.
 Knitting machine. H. Oberlander. 1,737,197; Nov. 26.
 Knitting machine and the production of fabrics thereon. Warp or straight-bar. W. Coombe. 1,737,218; Nov. 26.
 Ladder and auxiliary toilet seat. Foldable child's combined. U. A. Keppinger. 1,737,163; Nov. 26.
 Lamp. D. B. Hanna. Des. 79,964; Nov. 26.
 Lamp. Electric mine. J. G. Daloz. 1,736,997; Nov. 26.
 Lamp or analogous article. P. Cricchio. Des. 79,955; Nov. 26.
 Last. G. G. Schelter. 1,737,026; Nov. 26.
 Last bushing and making the same. H. O. Davis. 1,736,999; Nov. 26.
 Latch for electric switches. D. E. Rohrer. 1,737,334; Nov. 26.
 Latch. Pocketbook. C. J. McCabe and I. Schoenholz. Des. 80,007-S; Nov. 26.

Latch-retracting attachment for window-operating devices. S. W. Nicholson. 1,737,119; Nov. 26.
 Lathing. Metallic. F. M. Barton. 1,736,873; Nov. 26.
 Lifting jack. A. C. Hopkins. 1,737,373; Nov. 26.
 Light fixture. Ceiling. C. Richter. Des. 79,984; Nov. 26.
 Lighter. Electric. C. E. Vawter. Des. 80,010; Nov. 26.
 Lighting fixture. T. J. Nelson. 1,737,018; Nov. 26.
 Lighting fixture. T. J. Nelson and E. H. Joseph. 1,737,017; Nov. 26.
 Lighting fixture. A. J. D. Ohm. 1,737,265; Nov. 26.
 Lighting fixture and stand. Combined. M. Kiwad and S. Thau. Des. 79,970; Nov. 26.
 Lighting-fixture streamer or article of analogous nature. M. S. Rotellini. Des. 79,986; Nov. 26.
 Lighting unit. Electric. R. G. Stephens. 1,737,030; Nov. 26.
 Liner for egg crates. Air-tight. R. A. McDonald. 1,737,319; Nov. 26.
 Lining of iron and steel pipes, tubes, and other hollow bodies. C. G. Atha. 1,737,446; Nov. 26.
 Liquid-control mechanism. R. M. Parsons. 1,737,171; Nov. 26.
 Liquid-dispensing mechanism. W. H. Parker and F. W. Delaney. 1,736,981; Nov. 26.
 Liquid-level indicator. G. Reyling and F. L. Platt. 1,737,126; Nov. 26.
 Liquid raising plant. Hydropneumatic. J. O. Boring. 1,736,777; Nov. 26.
 Loading buildings for moving. G. R. Kress. 1,737,250; Nov. 26.
 Lock: See—
 Cap lock. Nut lock.
 Door lock. Vehicle lock.
 Lock for automobiles. Steering-wheel. F. D. Carpenter. 1,736,900; Nov. 26.
 Lock mechanism. Combination. O. J. Schmidt. 1,737,477; Nov. 26.
 Locking device for mail-chute panels. H. M. Kennedy. 1,736,917; Nov. 26.
 Locking device for stuffing-box nuts. F. N. Mason. 1,737,543; Nov. 26.
 Locomotive. R. F. Hall. 1,736,881; Nov. 26.
 Loom. Narrow fabric. H. Bander. 1,737,138; Nov. 26.
 Lubricating means for conveyor rollers. P. C. Wego. 1,737,036; Nov. 26.
 Lubricating means. Journal. P. Sterling. 1,737,393; Nov. 26.
 Lubrication. System of. W. G. Phelps. 1,737,124; Nov. 26.
 Lubricator: See—
 Meter lubricator.
 Lubricator. J. C. Sharp. 1,737,344; Nov. 26.
 Luggage carrier for vehicles. D. C. Rogers. 1,737,432; Nov. 26.
 Lunch box. P. Kempter. 1,737,249; Nov. 26.
 Machine for and method of dyeing cloth and otherwise treating textiles. W. P. Cohoe. 1,737,149; Nov. 26.
 Machine for drying coated webs. C. J. Merrill. 1,737,015; Nov. 26.
 Machine for forming gaskets. M. M. Cody. 1,736,770; Nov. 26.
 Machine for making spectacle temples. R. H. Simonds. 1,736,956; Nov. 26.
 Machine for making spectacle temples. J. W. Welsh. 1,736,955; Nov. 26.
 Machine for manufacturing boots and shoes. H. Walther. 1,737,484; Nov. 26.
 Machine for scrubbing floors. K. L. Moritz. 1,737,513; Nov. 26.
 Magnesium arsenate. Making. S. B. Heath. 1,737,114; Nov. 26.
 Mail box. J. H. Ward, jr. 1,736,895; Nov. 26.
 Manifold machine. A. W. Metzner. 1,737,509; Nov. 26.
 Marine motor. T. L. Smith. 1,737,523; Nov. 26.
 Marker. Traffic. R. J. McKee and W. F. Scheffler. 1,736,830; Nov. 26.
 Marking rubber and rubberized material. Apparatus for. C. H. Desautels. 1,737,111; Nov. 26.
 Measurement of electrical resistance. L. A. Gary and H. G. Tasker. 1,736,783; Nov. 26.
 Measuring system. W. T. Haines. 1,736,785; Nov. 26.
 Menthol. Production of. W. Schoeller, H. Jordan, and R. Clerc. 1,737,272; Nov. 26.
 Metal-pouring apparatus for centrifugal casting machines. J. E. Hurst and E. B. Ball. 1,737,459; Nov. 26.
 Metal structure. Composite. A. Goertz. 1,736,968; Nov. 26.
 Metallic surfaces against incrustation and corrosion. Protection of. W. Thalhofer. 1,736,986; Nov. 26.
 Metallic surfaces against incrustations and deposits. Protection of. W. Thalhofer. 1,736,987; Nov. 26.
 Meter lubricator. J. M. Gow. 1,737,457; Nov. 26.
 Meter-regulating device. A. Peter. Re17,501; Nov. 26.
 Methylamine. Making. G. Barsky. 1,736,872; Nov. 26.
 Mill: See—
 Attrition mill. Hammer mill.
 Mining machine. C. E. Davis. 1,737,045; Nov. 26.
 Mining machine. D. T. Fisher. 1,736,853; Nov. 26.
 Mining machine. E. O'Toole. 1,737,327; Nov. 26.
 Mixer: See—
 Concrete mixer.
 Mixing tube. E. E. Sager. 1,737,336; Nov. 26.
 Moistureproof material. W. H. Charch and K. E. Prindle. 1,737,187; Nov. 26.

Mop. U. J. Ewing. 1,737,366; Nov. 26.
 Mop. H. J. Ostleick and M. E. Hanke. 1,736,798; Nov. 26.
 Motion to bands or webs, Mechanism for imparting intermittent. G. Spiess. 1,737,204; Nov. 26.
 Motor: See—
 Electric motor. Marine motor.
 Fluid motor.
 Motor or the like, Alternating-current induction. O. A. Ross. 1,737,128; Nov. 26.
 Mounting. Eyeglass. P. H. Johnston. Des. 79,967; Nov. 26.
 Mounting for bus bodies. G. M. Schantz. 1,737,177; Nov. 26.
 Mounting for dolls' eyes and the like. N. Paganello. 1,737,267; Nov. 26.
 Mounting. Pulley. E. W. Bissell. 1,737,352; Nov. 26.
 Mounting. Thermostat. E. R. Wilson. 1,737,103; Nov. 26.
 Mounting. Vehicle-body. F. Johnston. 1,737,160; Nov. 26.
 Mowing machines, Double fingers for. J. P. Lavand. 1,737,504; Nov. 26.
 Nail. R. H. Buck. 1,737,185; Nov. 26.
 Navigating machine. G. Yamanouchi. 1,736,896; Nov. 26.
 Necktie and forming the same. Bow. H. B. Blach. 1,737,072; Nov. 26.
 Nipple, Flow. J. S. Watts. 1,737,281; Nov. 26.
 Nitrocellulose composition. J. C. Emhardt. 1,737,364; Nov. 26.
 Nonskid armor for tires. K. W. Weiss. 1,737,531; Nov. 26.
 Nozzle, Hydraulic jet-dispersal. O. A. Price. 1,736,937; Nov. 26.
 Nozzle, Vacuum. L. W. Dicely. 1,736,771; Nov. 26.
 Nut lock. A. G. Martin. 1,737,317; Nov. 26.
 Observation device. K. Bauer. 1,737,292; Nov. 26.
 Oil burner. L. Wilcox. 1,736,990; Nov. 26.
 Oil-distributing system. O. Morgan and J. W. Stark. 1,736,933; Nov. 26.
 Oiler, Rotary. G. M. Eaton. 1,737,005; Nov. 26.
 Operating structure for clamshell buckets. D. G. Le Tourneau. 1,737,252; Nov. 26.
 Operating table. A. T. Whelan. 1,736,957; Nov. 26.
 Ophthalmic mounting. J. W. Welsh. 1,736,951; Nov. 26.
 Ornament for drapery rods or the like, Center. W. E. Smith. Des. 79,996-7; Nov. 26.
 Ornament for drapery rods or the like, End. W. E. Smith. Des. 79,995; Nov. 26.
 Ornaments, Making cut-steel. M. M. Rivella. 1,737,333; Nov. 26.
 Pack, Fruit-basket. G. O. Reshaw. 1,737,518; Nov. 26.
 Paint from cylinders and containers, Removing. H. W. Cole and M. W. McLaren. 1,736,846; Nov. 26.
 Paper machine, Multiply. H. F. Weiss. 1,737,283; Nov. 26.
 Paper, Production of. D. K. Pattillo and J. H. MacMahon. 1,737,330; Nov. 26.
 Paper, Wall. J. H. Whitwell. Des. 80,002-3; Nov. 26.
 Paste in dry cells, Precooking. L. M. Currie. 1,737,188; Nov. 26.
 Pastry-filling machine. G. G. Barber. 1,737,069; Nov. 26.
 Pen, Fountain. I. Levi. 1,737,463; Nov. 26.
 Perfecting press. J. J. Halliwell. 1,737,190; Nov. 26.
 Phenol-formaldehyde condensation product and making same. G. W. Stryker. 1,737,031; Nov. 26.
 Phenol-furfural resin and making same. E. E. Novotny. 1,737,121; Nov. 26.
 Phonograph-printing machine. J. R. Thonet. 1,737,440; Nov. 26.
 Phonographs, Speed regulator for. V. Jakob. 1,737,244; Nov. 26.
 Picker: See—
 Carding picker.
 Picking up cargo by aircraft. R. S. Ormand. 1,737,326; Nov. 26.
 Pickling baths, Preparation of. P. I. Murrill. 1,736,934; Nov. 26.
 Picture machines and for operating a fire-control shutter, Automatically controlling the operation of moving. J. Tavanl. 1,737,034; Nov. 26.
 Pictures, Making composite. G. B. Pollock. 1,737,021; Nov. 26.
 Pilot switch, All-master multicontact. F. B. Adam. 1,736,991; Nov. 26.
 Pin for soft collars. J. J. Doran. 1,737,453; Nov. 26.
 Pipe. H. E. Batchelder. 1,736,819; Nov. 26.
 Pipe-making machine. G. C. Martin. 1,736,793; Nov. 26.
 Pipes and tubes and like hollow bodies with a bituminous substance in powdered form, Coating of. R. Illemaun and R. A. Whitson. 1,736,915; Nov. 26.
 Piston for rotary steam motors. R. J. Bogue. 1,737,355; Nov. 26.
 Piston mechanism for engines and pumps. C. A. Dreisbach. 1,736,822; Nov. 26.
 Piston ring. V. W. Moray. 1,737,168; Nov. 26.
 Piston ring and piston. F. Mueller. 1,737,056; Nov. 26.
 Piston ring, Notched-face. L. B. Ellis. 1,737,302; Nov. 26.
 Plating machine. G. and R. Ezbelet. 1,737,304; Nov. 26.
 Plank, Extension. D. J. MacDonald. 1,737,315; Nov. 26.
 Plastering machine. H. A. Conley. 1,737,044; Nov. 26.
 Plate or similar article, Cake. E. E. Slick. Des. 79,994; Nov. 26.
 Platen press. L. H. Burnham. 1,737,143; Nov. 26.
 Playground apparatus. R. W. Thornton. 1,737,066; Nov. 26.
 Plow, Disk. S. B. Hendricks. 1,737,420; Nov. 26.
 Plow, Rotary pick. E. R. Seltz. 1,737,179; Nov. 26.
 Plow, Woodwork. R. L. Carter. 1,736,965; Nov. 26.
 Plug and socket, Electric. W. J. Pritchett. 1,736,887; Nov. 26.
 Plug for core drills. A. F. McQuilston. 1,737,256; Nov. 26.
 Polishing machine. R. F. Gibney. 1,737,416; Nov. 26.
 Potato cleaner. R. C. Zuckerman. 1,736,813; Nov. 26.
 Potato digger. R. C. Zuckerman. 1,736,960; Nov. 26.
 Power-line signaling. P. H. Evans. 1,736,852; Nov. 26.
 Power-steering apparatus. W. Gehrig. Re17,508; Nov. 26.
 Precolor for refrigerator cars. J. D. Huston. 1,736,788; Nov. 26.
 Preparation of fur for shrinking and felting. J. H. Martin. 1,736,829; Nov. 26.
 Press: See—
 Baling press. Platen press.
 Perfecting press. Printing press.
 Pressing implement. L. Hoffman. 1,737,047; Nov. 26.
 Printing. F. M. Allen. 1,737,348; Nov. 26.
 Printing appliance. F. Hartman. 1,736,912; Nov. 26.
 Printing cylinders, Process of and apparatus for preparing. N. Littell. 1,737,378; Nov. 26.
 Printing machine, Mail. W. F. Schweiger. 1,737,339; Nov. 26.
 Printing sheets. W. M. Kelly. 1,737,502; Nov. 26.
 Printing press or films, Preparing and registering. W. C. Huebner. 1,736,914; Nov. 26.
 Pulp board and making the same, Laminated. R. L. Loomis. 1,737,284; Nov. 26.
 Pump. S. L. Davis. 1,737,534; Nov. 26.
 Pump, Pneumatic-tire. G. L. Sharp. 1,737,062; Nov. 26.
 Pump casing, Gasoline. R. L. Schwartz and W. P. Martin. Des. 79,992; Nov. 26.
 Pump, Centrifugal. J. R. Sensibar. 1,737,340; Nov. 26.
 Pump, Coin-controlled gasoline. F. P. Stallcup. 1,736,806; Nov. 26.
 Pump, Combined irrigation and drainage. P. M. Hoenshel. 1,737,372; Nov. 26.
 Pump for refrigeration systems. J. G. King. 1,736,973-4; Nov. 26.
 Pump of wafer biscuit and similar machines. W. E. Prescott. 1,736,863; Nov. 26.
 Pump, Self-adjusting liner. S. B. Sargent. 1,737,270; Nov. 26.
 Pumping apparatus, Oil. G. C. Engstrand. 1,737,080; Nov. 26.
 Pumping mechanism, Inertia-operated. F. B. MacLaren. 1,737,380; Nov. 26.
 Punch-holder mechanism. R. L. Wilcox. 1,737,443; Nov. 26.
 Punch machine. P. A. Junl. 1,736,855; Nov. 26.
 Punching machine. F. Whitecar. 1,736,958; Nov. 26.
 Radiator. W. E. Kuenstler. 1,737,251; Nov. 26.
 Radiator for an automobile. R. G. F. Loewy. Des. 79,974; Nov. 26.
 Radiator structure. C. J. Bock. 1,737,353; Nov. 26.
 Radio and phonograph cabinet, Combination. F. C. Burton. Des. 79,952; Nov. 26.
 Radio cabinet. F. C. Burton. Des. 79,951; Nov. 26.
 Radiocondenser. L. A. Brand. 1,737,074; Nov. 26.
 Radio receiver, Resonance plate for. F. C. Burton. Des. 79,953; Nov. 26.
 Radio receiving system. H. F. Elliott. 1,737,078; Nov. 26.
 Radioreception, Method of and apparatus for. W. M. Bruce, Jr. 1,737,407; Nov. 26.
 Radio signal volume control. H. F. Elliott. 1,737,079; Nov. 26.
 Radiotable. A. Gommosen. Des. 79,959-62; Nov. 26.
 Radio tuning device, Variable. C. Smith. 1,737,063; Nov. 26.
 Railroad crossing. E. J. Sexton. 1,737,482; Nov. 26.
 Range, Cooking. W. L. Cooper. Des. 79,954; Nov. 26.
 Ratchet mechanism. A. A. Mursu. 1,737,323; Nov. 26.
 Reamer. L. E. Miller. 1,737,519; Nov. 26.
 Reamer, Expansion. L. J. Loeffelman. 1,737,193; Nov. 26.
 Receptacle for face powders. P. C. P. Booty. 1,737,294; Nov. 26.
 Receptacle, Single-flush. H. J. Morey. 1,736,831; Nov. 26.
 Receptacles, Dried-out blank for. R. R. Reilly. Re17,503; Nov. 26.
 Recording and reproducing sound. A. A. Insell. 1,737,253; Nov. 26.
 Refiller, Carpule. E. J. Mohn and C. M. Maland. 1,737,512; Nov. 26.
 Refining fatty oils. E. E. Ayers, Jr., and L. H. Clark. 1,737,402; Nov. 26.
 Refractories, Making. R. L. Frink. 1,736,909; Nov. 26.
 Refrigerating machine of the absorption type. G. Maluri and R. F. Bosdinl. 1,737,426; Nov. 26.
 Refrigerating or cooling apparatus. H. Haager. 1,737,083; Nov. 26.
 Refrigerating system. M. Alex. 1,736,773-4; Nov. 26.
 Refrigeration. S. M. Backstrom. 1,736,871; Nov. 26.
 Refrigerator. G. W. Mason. 1,736,884; Nov. 26.
 Registering device, Speed. C. Arnesen. 1,737,400; Nov. 26.
 Registering mechanism for golf driving machines. T. H. Decker. 1,737,000; Nov. 26.
 Regulation, Frequency. H. Chirelx. 1,737,147; Nov. 26.
 Relay, Alternating-current. M. L. Almquist. 1,736,816; Nov. 26.

Relay system, Light. J. V. Breisky. 1,736,993; Nov. 26.
 Relay, Thermal. A. J. Mottlau. 1,736,979; Nov. 26.
 Repair bag, Sectional. C. H. Desautels. 1,737,110; Nov. 26.
 Repairing leaks in pipe lines. F. N. Woodward. 1,737,181; Nov. 26.
 Retorts, Feeding device for. R. B. Parker. 1,737,170; Nov. 26.
 Rim, Demountable. F. P. Hatch. 1,737,236; Nov. 26.
 Ring: See—
 Piston ring.
 Ring for hogs, Muzzle. L. P. Lewis. 1,736,927; Nov. 26.
 Ring or similar article, Finger. E. J. Gross. Des. 80,009; Nov. 26.
 Roads and the like, Construction of. L. H. A. Dunker. 1,737,412; Nov. 26.
 Roller: See—
 Shade roller.
 Roller weir. F. Duwe. 1,736,850; Nov. 26.
 Roller weir with extension gate. F. Duwe. 1,736,851; Nov. 26.
 Rollers with rubber, Method of and apparatus for covering cylindrical. C. H. Gray. 1,736,911; Nov. 26.
 Roof structure, Saw-tooth. H. A. Hamm and R. P. Miller. 1,737,371; Nov. 26.
 Rotary bit. A. E. Carlson. 1,737,215; Nov. 26.
 Rotational device such as vehicle wheels. J. V. Pugh and G. T. Bayliss. 1,737,332; Nov. 26.
 Rubber-fiber article and making the same. W. B. Wescott. 1,737,133; Nov. 26.
 Safety device for centrifugal machines. H. J. M. C. Krantz. 1,736,975; Nov. 26.
 Safety device for screw jacks. F. L. Gormley. 1,737,153; Nov. 26.
 Sand-reconditioning machine for foundry art. L. A. Camerota. 1,737,144; Nov. 26.
 Sand-testing device for oil wells. D. B. and J. R. Fowler. 1,736,907; Nov. 26.
 Sanding and polishing machine. C. J. Windfeldt. 1,737,135; Nov. 26.
 Saw clamp. W. L. Carpenter. 1,737,218; Nov. 26.
 Saw, Trim. W. M. Eddins. 1,737,302; Nov. 26.
 Scaffold, Outrigger. J. Amrein. 1,736,817; Nov. 26.
 Scale, Revolving computing. C. F. Christopher. 1,736,821; Nov. 26.
 Scalper and aspirator. H. Mjolsness. 1,737,260; Nov. 26.
 Scouting device. O. V. Kean. 1,737,247; Nov. 26.
 Scrapbook and leaf unit therefor. F. N. Lang. 1,737,052; Nov. 26.
 Screen attachment, Window. G. C. Barrowes. 1,737,041; Nov. 26.
 Screening apparatus. F. P. Nickerson. 1,737,383; Nov. 26.
 Screening paper stock, Apparatus for. A. J. Brookover. 1,737,296; Nov. 26.
 Sectional furnace. J. Doherty. 1,737,003; Nov. 26.
 Securing plaster board in place. W. B. Thurman and M. W. Hild. 1,737,109; Nov. 26.
 Separator foot. J. A. Atsart. 1,737,401; Nov. 26.
 Sewing machines, Needle-actuating mechanism for. C. S. Thompson and W. B. Long. 1,737,395; Nov. 26.
 Shade, Lighting-structure. A. J. D. Ohm. Des. 79,979; Nov. 26.
 Shade roller, Curtain. C. A. Daniel. Re17,507; Nov. 26.
 Shave block. S. H. H. Parsons. 1,737,268; Nov. 26.
 Shim. B. Darrach, Jr. 1,736,998; Nov. 26.
 Shock absorber. A. L. Boegehold. 1,737,354; Nov. 26.
 Shock absorber and bumper for the tongues and doubletree equalizers of cultivators. H. A. Stephens. 1,737,064; Nov. 26.
 Shoe form. W. J. De Witt. 1,736,780; Nov. 26.
 Shoes, Apparatus for use in the manufacture of. B. Jorgensen. 1,737,012; Nov. 26.
 Short-circuiting device. J. D. Karle. 1,737,538; Nov. 26.
 Shower. T. C. Shields and W. J. Cameron. 1,736,803; Nov. 26.
 Shrinkage of dresses after being cleaned, Device for preventing the. S. G. Sabagian. 1,737,434; Nov. 26.
 Shutter, Weir. F. Jermat. 1,737,311; Nov. 26.
 Shuttle. W. L. Hall. 1,737,370; Nov. 26.
 Shuttle, Sewing-machine. R. L. Ham. 1,737,418; Nov. 26.
 Sifter, Reversible. F. Clark. 1,737,298; Nov. 26.
 Sign. W. F. Smith. 1,736,889; Nov. 26.
 Sign, Advertising. E. C. Cowell. 1,737,076; Nov. 26.
 Sign, Animated. R. M. Anderson. 1,737,290; Nov. 26.
 Sign or optical apparatus. W. Herrschaft. 1,737,238; Nov. 26.
 Sign, Writing. T. Pearson and H. E. Garber. 1,737,092; Nov. 26.
 Signal: See—
 Automobile signal.
 Signal for automobiles. C. R. Saffold and H. O. F. Taufen. 1,737,546; Nov. 26.
 Signal for mines. M. Nikollish. 1,737,514; Nov. 26.
 Signal switch, Direction. D. A. Mace. 1,737,166; Nov. 26.
 Signaling panel, Arm. H. M. Rauler. 1,737,022; Nov. 26.
 Signaling system. F. A. Kolster. 1,737,089; Nov. 26.
 Sintering apparatus. E. E. Ellis. 1,737,007; Nov. 26.
 Skate. W. F. Beach. 1,737,175; Nov. 26.
 Slab cutter. S. F. Anderson. 1,736,992; Nov. 26.
 Sole and heel, Combined. H. H. Wydom. Des. 80,001; Nov. 26.
 Spark arrester. G. Carpenter. 1,737,145; Nov. 26.
 Spark catcher. M. F. Booth, Jr. 1,737,449; Nov. 26.
 Spark producing and distributing apparatus for internal-combustion engines. V. Paquitt. 1,736,861; Nov. 26.
 Spectacle temple. F. A. Stevens and J. W. Welsh. 1,736,954; Nov. 26.
 Spectacle temple and making the same. J. W. Welsh. 1,736,952-3; Nov. 26.
 Speed-reduction mechanism. R. W. A. Brewer. 1,736,875; Nov. 26.
 Spike, Railway. F. W. Stohr. 1,737,206; Nov. 26.
 Spindle mounting. P. H. Hutchinson. 1,736,972; Nov. 26.
 Spring: See—
 Cushion spring.
 Spring suspension for vehicle bodies. F. Parisi. 1,737,328; Nov. 26.
 Stabilizer for fluid doorchecks, Resistance. H. W. Shonard and W. B. Crowell. 1,736,946; Nov. 26.
 Stamps in albums, Fastening postage. P. Wangemann. 1,736,950; Nov. 26.
 Stand: See—
 Smoker's stand.
 Steam boiler. J. A. Pilcher and J. A. Doornberger. 1,737,385; Nov. 26.
 Steam scoring machine for ice. E. S. Henry. 1,737,308; Nov. 26.
 Steamer roaster. L. J. Hols. 1,737,240; Nov. 26.
 Steel, Case nitridation of. A. B. Kinzel. 1,736,921; Nov. 26.
 Steering mechanism. J. H. Hunt. 1,737,048; Nov. 26.
 Sterilizing air, Apparatus for. J. F. Schiller and W. W. Wescott. 1,736,839; Nov. 26.
 Stone drill. A. B. Feldmar. 1,737,495; Nov. 26.
 Strip-forming machine. H. L. Fingelstein. 1,737,367; Nov. 26.
 Strip of webbing or similar material. A. Shields. Des. 79,993; Nov. 26.
 Sucker-rod elevator. E. J. Shaffer. 1,737,029; Nov. 26.
 Support, Book. C. R. Schenken. 1,737,178; Nov. 26.
 Support, Flash-light. F. Helling. 1,737,237; Nov. 26.
 Support for overstuffed furniture seats. J. M. Hoague. 1,737,241; Nov. 26.
 Support for roofs and the like, Trussless. G. L. Kelly. 1,737,049; Nov. 26.
 Support for saddlons. C. Foucher. 1,737,081; Nov. 26.
 Support for washing machines. O. E. Szekely. 1,736,949; Nov. 26.
 Support, Hat. J. Van Dyke. 1,736,809; Nov. 26.
 Support, Pan. A. J. Jacobs. 1,737,158; Nov. 26.
 Support, Reinforcing fabric. W. E. White. 1,737,396; Nov. 26.
 Support, Telephone. W. M. Valentine. 1,737,209; Nov. 26.
 Support, Telephone-receiver. M. Sellinger and P. Rawdin. 1,736,841; Nov. 26.
 Surface-hardened material and producing the same. A. B. Kinzel. 1,736,919; Nov. 26.
 Surfacing apparatus. H. R. Stratford. 1,737,099; Nov. 26.
 Suspension composition. C. Ellis. 1,737,006; Nov. 26.
 Suspension device for mail-chute panels. H. M. Kennedy. 1,736,918; Nov. 26.
 Switch: See—
 Electric wheel switch. Treadle switch.
 Ground switch. Weight-operated switch.
 Signal switch.
 Switch box. E. T. Hagist. 1,737,235; Nov. 26.
 Switch for systems of automotive safety signaling. G. W. Frost. 1,737,229; Nov. 26.
 Table: See—
 Bedside table. Work table.
 Operating table.
 Table gauge, Saw. R. O. Tompkins. 1,737,131; Nov. 26.
 Tabulator for typewriting machines, Key-set. C. Gabrielson. 1,737,306; Nov. 26.
 Tank: See—
 Brine tank.
 Tank. F. L. Wilcox. 1,736,842; Nov. 26.
 Telephone system, Automatic. T. Korthauer. 1,737,423; Nov. 26.
 Tempering shoe parts, Apparatus for. F. E. Toothaker. 1,736,892; Nov. 26.
 Textile fabric. G. H. Perkins. Des. 79,981; Nov. 26.
 Textile fabric. E. Weiner and H. Katims. Des. 80,000; Nov. 26.
 Textile fabric or article of similar nature. G. S. Sauer. Des. 79,987-91; Nov. 26.
 Thiazines, Derivative of. E. Rothlin and F. Müller. 1,737,475; Nov. 26.
 Threading machine. W. L. Howlett. 1,737,310; Nov. 26.
 Threadless coupling. John W. Hooley. 1,737,242; Nov. 26.
 Tie structure, Four-in-hand. D. C. Minton. 1,737,322; Nov. 26.
 Timing and reversing mechanism. J. C. Hanna. 1,737,010; Nov. 26.
 Tin and its associated metals from alloys, mechanical mixtures, and ores, Recovery of. F. Blechitzky. 1,737,140; Nov. 26.
 Tire and manufacturing the same, Pneumatic. J. R. Gam-meter. 1,737,415; Nov. 26.
 Tire-building machine. P. W. Lehman. 1,737,116; Nov. 26.
 Tobacco can, Tear-open. J. F. Peters. 1,737,020; Nov. 26.
 Tool attachment, Fishing. C. T. Fleming. 1,737,305; Nov. 26.
 Tool, Clamping. W. D. Henderson. 1,737,046; Nov. 26.
 Tool, Metal-bending. J. R. Hilted. 1,737,084; Nov. 26.
 Tool, Pneumatic. I. A. Hanssen. 1,737,419; Nov. 26.
 Tool, Portable power-driven tapping. R. A. Norling. 1,737,431; Nov. 26.

Tool, Power-driven. J. F. Haas. 1,736,970; Nov. 26.
Tools, Blank-transferring device for machine. K. Tesky. 1,737,208; Nov. 26.
Tools, Handle member for. J. Sudek, jr. 1,737,275; Nov. 26.
Toothbrush. A. G. Dalmas. 1,736,996; Nov. 26.
Toothbrush, Power-driven. E. S. Brothers. 1,736,876; Nov. 26.
Torch, Marine. C. Linhardt, jr. 1,737,424; Nov. 26.
Traction device, Composite piezo-electric. A. M. Nicolson. 1,737,019; Nov. 26.
Toy electric engine. R. Koenig. 1,737,051; Nov. 26.
Toy electric range. R. Koenig. 1,737,050; Nov. 26.
Toy glider. A. A. O'Brien. Des. 79,978; Nov. 26.
Toy or similar article. D. H. MacBride. Des. 79,975; Nov. 26.
Tractors, Body mounting for. A. S. Hughes and H. F. Gorsuch. 1,736,787; Nov. 26.
Transmission. O. Janssen. 1,736,789; Nov. 26.
Transmission efficiency, Control of the. K. Kumpfmueller, F. Tuzek, and H. Mayer. 1,737,503; Nov. 26.
Transmitter, Electrical code. W. C. Roe. 1,737,024; Nov. 26.
Transmitting apparatus, Sound-. E. Wilckens. 1,737,846; Nov. 26.
Transmitting device. R. J. McKee. 1,736,795; Nov. 26.
Trap. See—
Insect trap.
Tray, Binder. L. T. Le Febure. 1,736,925-6; Nov. 26.
Treadle switch, Step-operated. R. D. Conklin. 1,737,409; Nov. 26.
Treating greensand and the like. A. J. Moxham. 1,737,263; Nov. 26.
Treating talloil. W. Schultze. 1,736,802; Nov. 26.
Treatment of animal and vegetable fibers. M. Bergmann, E. Immendorfer, and H. Loewe. 1,737,104; Nov. 26.
Trimmer for shoe soles, Edge. C. P. Bammer. 1,737,351; Nov. 26.
Tube. See—
Audio tube. Mixing tube.
Tube for oil burners, Combustion. W. M. Griffin. 1,737,232; Nov. 26.
Tube system, Electric discharge. P. R. Dijksterhuis. 1,737,224; Nov. 26.
Tuning device for wind musical instruments. E. J. Gulick. 1,736,880; Nov. 26.
Turbine, Steam. J. J. Provost. 1,737,517; Nov. 26.
Twisting wire in concrete-form work, Device for. R. A. A. Drews. 1,736,781; Nov. 26.
Typewriter, Manifolded. N. Sanders. 1,737,337; Nov. 26.
Typewriters and like machines, Paper-guiding arrangement for. P. Kappler. 1,737,162; Nov. 26.
Typewriting machine. A. B. Ely and E. L. Harmon. 1,737,113; Nov. 26.
Typewriting machine. L. C. Myers. 1,737,324; Nov. 26.
Typewriting machine. B. C. Stickney. 1,737,439; Nov. 26.
Umbrella. H. R. Lillich and C. Smith. 1,737,464; Nov. 26.
Umbrella and chair, Combination. J. Venge. 1,736,893; Nov. 26.
Undergarment, Lady's. F. Chatfield. 1,737,408; Nov. 26.
Universal joint. H. M. Funnell. 1,737,535; Nov. 26.
Unloading mechanism for ships. J. R. Sensibar. 1,737,343; Nov. 26.
Valve, Automatic self-closing. O. A. Price. 1,736,938; Nov. 26.
Valve for fluid containers, Dump. G. A. Page, jr. 1,737,123; Nov. 26.
Valve for fuel-storage tanks. J. H. Vlele. 1,737,529; Nov. 26.
Valve for pneumatic tools. F. A. Jimerson. 1,737,312; Nov. 26.

Valve mechanism. W. H. Manning. 1,737,316; Nov. 26.
Valve mechanism for bottle-cleaning machines. G. J. Meyer. 1,736,978; Nov. 26.
Valve mechanism. Motor-operated. E. A. Ilemann. 1,736,791; Nov. 26.
Valve, Poppet. R. E. Bissell. Re17,499; Nov. 26.
Valve, Pressure. N. L. Mercur. 1,737,428; Nov. 26.
Valve, Tire-pump. H. Hastings. 1,737,536; Nov. 26.
Valves, Repacking. G. F. Merrill. 1,737,472; Nov. 26.
Vaporizer for internal-combustion engines, Heavy-fuel. R. F. Lonaberger and C. F. Sands. 1,737,379; Nov. 26.
Vehicle. G. O. Crank. 1,737,493; Nov. 26.
Vehicle bodies, Construction of closed. T. P. Lohrman. 1,736,856; Nov. 26.
Vehicle lock, Motor. D. Conlan. 1,737,043; Nov. 26.
Vehicle spring protection. V. Tauffenbach, née Waller, and C. Greiner. 1,737,207; Nov. 26.
Ventilator. See—
Automatic ventilator.
Violin bridge. G. T. Schröder. 1,737,338; Nov. 26.
Wall board. E. Erola. 1,737,413; Nov. 26.
Washbottle attachment. J. Grison. 1,737,234; Nov. 26.
Washing gravel. F. R. Dravo. 1,737,004; Nov. 26.
Washing machine. H. C. Hirschy. 1,737,421; Nov. 26.
Washing machine. M. Troy. 1,737,480; Nov. 26.
Washing machines, Distributor for. H. K. Merseles. 1,737,267; Nov. 26.
Water into flush tanks, Controlling the discharge of. W. U. Griffiths. 1,737,233; Nov. 26.
Water-power device. N. E. Webb. 1,737,530; Nov. 26.
Water swivel for use in well drilling. E. Lindsey. 1,737,465; Nov. 26.
Weather strip, Detachable. M. B. Morrill. 1,736,885; Nov. 26.
Weather strip, Windshield. W. S. Pritchard. 1,737,094; Nov. 26.
Web-handling device. A. E. Richey. 1,737,127; Nov. 26.
Weight-operated switch. E. A. McNeill. 1,737,471; Nov. 26.
Well apparatus. F. C. Kelley. 1,737,248; Nov. 26.
Well for unloading sand boats and the like, Mixing. J. R. Sensibar. 1,737,341; Nov. 26.
Wheel. See—
Car wheel. Hone wheel.
Wheel construction. R. W. Disbro. 1,737,360; Nov. 26.
Winding machine. L. E. Meyer. 1,737,258; Nov. 26.
Winding machine. A. J. Peek. 1,737,269; Nov. 26.
Window and lock actuating device for automobiles. S. W. Nicholson. 1,737,118; Nov. 26.
Window, Chicken-house. L. T. Petersen. 1,737,515; Nov. 26.
Window-operating device. S. W. Nicholson. 1,737,120; Nov. 26.
Windows, Device for swinging double-hung. W. J. Blake. 1,736,962; Nov. 26.
Windshield. L. Salves. 1,736,940; Nov. 26.
Wiper, Windshield. A. Mesh. 1,737,473; Nov. 26.
Wire-drawing machine. C. E. Tideman. 1,737,345; Nov. 26.
Wire, Pile. W. Pickard. 1,737,516; Nov. 26.
Wire tightener. L. V. Dickinson. 1,736,848; Nov. 26.
Wood pulp, Making. W. Brydges and S. C. Foster. 1,737,542; Nov. 26.
Woodworking machine. H. V. Joseph. 1,736,916; Nov. 26.
Working for the cleaning of boiler-feeding water. M. Bauer. 1,737,448; Nov. 26.
Worktable, Rotatable. C. B. De Vlieg. 1,737,002; Nov. 26.
Wrapping machines, Paper-feeding mechanism for. M. J. Milmo. 1,737,016; Nov. 26.
Writing and smoking stand, Combined. B. G. Larrabee. Des. 79,971-2; Nov. 26.
Zoning and fare-collecting system. J. W. Hulme. 1,737,422; Nov. 26.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 26, 1929

NOTE—First number=class, second number=subclass, third number=patent number.

2- 93: 1,736,790	34- 46: 1,737,088	72- 118: 1,737,185	97- 212: 1,737,179	123- 170: 1,737,122	155- 171: 1,737,505
151: 1,737,072	48: 1,737,553	122: 1,737,306	98- 11: 1,737,101	188: R. 17,499	179: 1,737,241
155: 1,737,322	48: 1,737,015	129: 1,736,812	100- 14: 1,737,365	191: 1,737,452	186: 1,737,107
167: 1,736,928	71: 1,736,827	130: 1,737,044	101- 8: 1,737,194	20: 1,737,486	197: 1,737,112
187: 1,737,280	184: 1,737,252	131: 1,737,082	1: 1,737,378	65: 1,736,859	198: 1,737,350
237: 1,737,408	3: 1,737,201	131: 1,737,274	9: 1,737,308	90: 1,737,142	156- 17: 1,737,352
4- 47: 1,737,501	7: 1,737,077	73- 82: 1,736,797	20: 1,737,136	116: 1,736,796	28: R. 17,507
230: 1,737,163	20: 1,737,875	151: 1,737,331	91: 1,737,339	190: 1,737,134	38: 1,737,041
262: 1,737,059	32: 1,737,076	1: 1,737,165	183: 1,737,479	215: 1,737,496	44: 1,736,936
93: 1,737,276	52: 1,737,530	14: 1,736,822	190: 1,737,348	225: 1,736,963	77: 1,737,212
290: 1,736,878	58: 1,736,860	1,736,875	213: 1,736,912	272: 1,737,075	186- 1.5: 1,737,232
2: 1,737,104	72: 1,736,833	1,736,974	220: 1,737,190	275: 1,737,050	77: 1,736,900
5: 1,736,835	124.5: 1,737,474	26: 1,737,244	283: 1,737,502	299: 1,737,469	161- 1: 1,737,010
8: 1,737,116	126: 1,737,030	28: 1,736,849	304: 1,736,944	290: 1,737,454	33: 1,736,958
19: 1,737,141	120: 1,737,092	34: 1,736,789	365: 1,736,941	304: 1,737,106	59: 1,736,528
21: 1,736,889	123: 1,737,290	1,736,982	341: 1,736,942	341: 1,737,458	60: 1,736,955
8.3: 1,737,424	145: 1,737,287	58: 1,737,451	1,736,943	341: 1,736,810	73: 1,737,146
26: 1,737,443	189: 1,736,950	59: 1,737,431	58: 1,736,945	90: 1,736,858	90: 1,736,858
96: 1,737,310	31: 1,737,258	90: 1,736,836	108- 5: 1,736,777	166- 1: 1,736,907	167- 14: 1,737,132
9: 1,737,012	40: 1,736,862	90: 1,737,060	10: 1,737,541	170- 65: 1,737,530	171- 34: R. 17,501
30: 1,737,129	10: 1,737,333	108: 1,737,270	26: 1,737,390	38: 1,736,908	95: 1,737,303
67: 1,737,484	30: 1,737,500	108: 1,737,056	89: 1,737,372	5: R. 17,504	221: 1,736,844
91: 1,737,351	31: 1,737,450	1,737,168	114: 1,737,340	27: 1,736,775	229: 1,736,982
128.6: 1,736,780	32: 1,737,376	1,737,302	204: 1,737,248	131- 12: 1,736,819	321: 1,736,988
136: 1,737,026	122: 1,737,439	1,737,355	208: 1,737,356	51: R. 17,500	327: 1,737,019
23: 1,736,876	45- 31: 1,737,441	75- 1: 1,737,255	48: 1,736,886	11: 1,737,461	120: 1,737,128
52: 1,737,513	50: 1,736,957	22.5: 1,736,832	59: 1,736,791	29: 1,736,762	126: 1,737,051
188: 1,736,966	138: 1,737,476	76- 78: 1,737,216	82: 1,736,881	33: 1,737,152	1,737,387
209: 1,737,247	46- 40: 1,737,267	77- 75.5: 1,737,193	814: 1,737,493	83: 1,737,294	1,737,388
229: 1,736,798	49- 9: 1,737,221	78- 73: 1,737,510	341: 1,737,409	1: 1,737,491	239: 1,736,854
737,396	737,524	78- 53.5: 1,737,266	379: 1,737,060	11: 1,737,006	240: 1,737,358
80: 1,737,093	55: 1,737,219	79- 16: 1,736,901	395: 1,737,414	31: 1,737,464	274: 1,737,009
81: 1,736,784	737,220	81- 15: 1,737,064	410: 1,737,527	6: 1,737,039	279: 1,737,538
90: 1,737,227	1,737,525	83- 8: 1,737,183	410: 1,737,527	111: 1,737,130	264: 1,736,899
107: 1,737,300	23: 1,737,428	11: 1,737,444	12: 1,737,349	132: 1,737,445	273: 1,737,506
140: 1,737,544	49: 1,736,967	30: 1,737,071	22: 1,736,992	175: 1,737,188	330: 1,736,831
165: 1,737,404	54: 1,737,159	73: 1,737,522	27: 1,736,863	68: 1,736,933	332: 1,736,887
176: 1,736,962	97: 1,736,977	78: 1,736,858	45: 1,737,042	75: 1,737,281	386: 1,736,779
11: 1,737,225	99: 1,737,485	84- 300: 1,737,338	65: 1,737,176	78: 1,737,161	41.5: 1,737,063
1,737,226	108: 1,737,416	398: 1,736,880	1: 1,737,049	90: 1,737,181	183: 1,736,763
17: 1,737,143	170: 1,737,135	400: 1,737,086	21: 1,737,021	104: 1,737,213	320: 1,736,816
45: 1,737,110	195: 1,737,099	7: 1,737,041	67: 1,737,239	104: 1,737,171	358: 1,736,994
85: 1,737,133	197: 1,736,869	21: 1,737,206	4: 1,736,802	111- 5: 1,737,314	311: 1,737,126
9: 1,736,911	209: 1,737,245	4: 1,736,802	5: 1,736,846	221: 1,737,395	327: 1,737,546
99: 1,737,435	280: 1,736,964	5: 1,737,223	1,737,222	39: 1,737,172	352: 1,737,147
27: 1,736,894	6: 1,737,240	12: 1,737,402	1,737,223	116: 1,736,913	353: 1,737,037
39: 1,737,291	7: 1,737,363	16: 1,737,021	1,737,223	114- 16.5: 1,736,983	175- 2: 1,736,786
69: 1,736,885	53- 55: 1,737,307	16.4: 1,736,826	1,737,223	66.5: 1,736,896	44: 1,737,503
65: 1,737,001	55- 55: 1,737,307	17: 1,737,084	1,737,223	18: 1,737,523	53: 1,737,024
1,737,419	55- 55: 1,737,307	41: 1,737,521	1,737,223	37: 1,736,904	2.5: 1,736,852
98: 1,737,140	59: 1,737,504	47: 1,736,931	1,737,223	41: 1,737,154	168: 1,737,131
126: 1,737,263	60- 102: 1,737,517	52: 1,736,952	1,737,223	1,737,180	1: 1,736,785
179: 1,737,320	61- 102: 1,737,517	1,736,953	1,737,223	39: 1,737,386	96: 1,736,794
195: 1,737,297	61- 102: 1,737,517	1,736,954	1,737,223	67: 1,737,514	100.1: 1,737,253
285: 1,736,800	62- 5: 1,736,773	1,736,954	1,737,223	125: 1,737,199	107: 1,737,430
19: 1,736,848	24: 1,736,788	95: 1,736,884	1,737,223	1,737,200	153: 1,736,841
37: 1,737,167	95: 1,736,884	117: 1,736,871	1,737,223	40: 1,737,321	171: 1,737,169
71: 1,737,404	117: 1,736,871	119.5: 1,737,426	1,737,223	16: 1,737,073	1,737,278
81: 1,737,300	120: 1,736,774	1,737,083	1,737,223	20: 1,737,211	180- 68: 1,737,057
88: 1,737,453	136: 1,736,859	45: 1,736,768	1,737,223	135: 1,736,927	96: 1,736,794
134: 1,737,406	4- 8: 1,737,467	46: 1,736,892	1,737,223	49: 1,737,463	79.2: R. 17,506
157: 1,737,382	102: 1,737,535	68: 1,737,167	1,737,223	6: 1,736,864	27: 1,737,102
163: 1,737,492	66: 1,737,167	18: 1,737,312	1,737,223	1,737,312	94: 1,737,449
211: 1,737,537	67- 8: 1,737,215	27: 1,737,456	1,737,223	33: 1,737,419	7: 1,737,124
250: 1,737,246	68- 8: 1,736,868	21: 1,737,330	1,737,223	164: 1,737,473	64: 1,737,344
232: 1,737,481	70- 90: 1,736,838	32: 1,737,296	1,737,223	194: 1,737,466	54: 1,736,946
248: 1,737,230	118: 1,737,477	39: 1,737,282	1,737,223	4: 1,737,490	61: 1,736,805
96: 1,736,793	126: 1,737,043	1,737,283	1,737,223	6: 1,736,882	78: 1,737,025
142: 1,737,540	128: 1,736,900	27: 1,737,047	1,737,223	18: 1,737,202	111: 1,737,357
160: 1,736,900	129: 1,736,900	37: 1,737,081	1,737,223	225: 1,737,003	204: 1,737,254
20: 1,736,956	134.5: 1,737,426	30: 1,737,234	1,737,223	235: 1,736,929	218: 1,737,325
51: 1,737,208	136: 1,736,859	87: 1,737,480	1,737,223	302: 1,736,896	250: 1,737,013
84: 1,737,472	148: 1,736,808	118: 1,737,043	1,737,223	332: 1,737,173	259: 1,736,985
148: 1,736,808	162: 1,737,053	126: 1,737,043	1,737,223	368: R. 17,506	75: 1,737,515
150: 1,736,999	12: 1,737,164	134: 1,736,900	1,737,223	398: 1,737,448	84: 1,736,968
162: 1,737,053	10: 1,737,874	1: 1,737,426	1,737,223	493: 1,737,385	14: 1,737,415
12: 1,737,164	33-134.5: 1,737,874	98: 1,737,408	1,737,223	18: 1,737,082	43: 1,737,243
10: 1,737,874	222: 1,737,487	116: 1,736,873	1,737,223	90: 1,737,316	45.9: 1,737,413
12: 1,737,164	34- 12: 1,737,269	118: 1,737,100	1,737,223	119: 1,737,196	155- 136: 1,736,99

CLASSIFICATION OF PATENTS

193— 8: 1,736,918	209— 251: 1,737,298	229— 23: 1,737,280	248— 36: 1,736,807	260— 127: 1,736,872	284— 5: 1,737,271
194— 6: 1,737,422	270: 1,737,004	31: 1,736,874	37: 1,737,151	130: 1,737,384	285— 22: 1,736,923
48: 1,737,499	154: 1,737,313	87: 1,737,055	38: R. 17, 505	131: 1,737,391	120: 1,736,818
63: 1,737,511	209: 1,736,842	18: 1,737,335	42: 1,737,381	134: 1,737,203	286— 13: 1,737,543
32: 1,737,279	211— 13: 1,736,826	50: 1,737,062	65: 1,737,468	153: 1,737,272	290— 30: 1,736,865
17: 1,737,324	114: 1,736,883	97: 1,737,145	1: 1,736,993	156.5: 1,737,545	292— 272: 1,737,397
179: 1,737,439	213— 43: 1,736,947	185: 1,736,973	11: 1,737,089	261— 41: 1,737,095	294— 64: 1,737,401
63: 1,737,113	214— 14: 1,736,877	190: 1,737,534	20: 1,737,078	44: 1,737,496	90: 1,737,029
143: 1,737,162	15: 1,737,341	228: 1,737,536	1,737,079	49: 1,737,070	91: 1,737,369
153: 1,737,337	17: 1,737,343	232— 24: 1,736,895	27: 1,737,407	50: 1,737,184	295— 44: 1,737,228
179: 1,737,306	18: 1,737,060	233— 18: 1,736,792	27: 1,736,870	114: 1,736,845	296— 35: 1,737,160
81: 1,736,778	19: 1,737,117	21: 1,737,137	1,737,125	123: 1,737,336	44: 1,737,177
122: 1,737,342	35: 1,737,170	21: 1,737,287	1,737,224	28: 1,736,853	44: 1,736,867
136: 1,736,891	215— 37: 1,737,436	235— 104: 1,737,400	27.5: 1,736,815	1,737,045	1,737,022
152: 1,737,231	73: 1,737,273	236— 1: 1,737,040	33: 1,736,814	1,737,327	85: 1,736,940
154: 1,736,866	217— 3: 1,737,319	34: 1,737,103	40: 1,737,277	263— 15: 1,737,352	93: 1,737,094
193: 1,737,150	12: 1,737,186	49: 1,737,054	261— 156: 1,736,843	265— 22: 1,737,000	137: 1,736,856
221: 1,736,935	210— 10: 1,736,811	13: 1,737,250	254— 102: 1,737,373	27: 1,737,158	297— 8: 1,736,984
1: 1,737,264	19: 1,737,293	41: 1,736,902	103: 1,737,153	39: 1,736,821	299— 20: 1,737,008
11: 1,737,229	46: 1,737,460	1,737,027	190: 1,737,268	21: 1,737,007	24: 1,737,532
16: 1,736,991	220— 35: 1,736,971	52: 1,736,820	265— 1: 1,737,507	8: 1,737,354	63: 1,736,799
20: 1,736,861	38: 1,737,411	31: 1,737,237	3: 1,737,508	37: 1,737,207	60: 1,737,257
50: 1,737,235	39: 1,737,182	140: 1,737,265	25: 1,737,465	35: 1,736,931	84: 1,737,377
59: 1,737,166	54: 1,737,020	85: 1,737,028	35: 1,737,305	126: 1,737,118	85: 1,736,803
85: 1,737,471	55: 1,737,148	140: 1,737,265	49: 1,736,922	1,737,119	89: 1,737,299
85: 1,736,969	91: 1,736,961	6: 1,737,067	63: 1,737,496	1,737,120	118: 1,737,442
125: 1,737,329	95: 1,737,249	241— 6: 1,737,067	71: 1,736,940	270— 75: 1,737,398	118: 1,736,837
127: 1,737,305	221— 47.4: 1,737,399	242— 27: 1,737,196	72: 1,737,256	271— 2.4: 1,737,204	125: 1,737,155
137: 1,736,979	60: 1,737,417	55: 1,737,127	267— 151: 1,737,251	272— 33: 1,737,066	301— 6: 1,737,332
142: 1,737,165	61: 1,736,824	75: 1,736,834	240: 1,737,347	59: 1,737,108	28: 1,737,236
153: 1,737,309	62: 1,737,014	849: 1,737,323	241: 1,737,394	67: 1,736,930	302— 52: 1,736,969
169: 1,737,334	67: 1,737,529	19: 1,736,995	245: 1,737,189	1: 1,736,879	303— 8: 1,736,910
5: 1,736,857	100: 1,736,806	2: 1,737,483	262: 1,736,906	152: 1,737,478	304— 14: 1,736,817
15: 1,737,425	1,736,981	12: 1,737,191	1: 1,737,326	274— 6: 1,737,346	40: 1,737,315
25: 1,736,966	222— 5: 1,737,061	15: 1,737,210	277— 20: 1,737,427	278— 95: 1,737,064	2: 1,737,275
1,736,967	223— 18.2: 1,737,434	18: 1,737,011	278— 28: 1,737,301	280— 33.14: 1,737,068	306— 20: 1,737,036
16: 1,737,345	44: 1,737,304	31: 1,737,035	101: 1,737,421	49: 1,736,795	88: 1,737,393
8: 1,736,909	224— 29: 1,737,432	227: 1,736,801	136: 1,736,769	61: 1,736,949	117: 1,737,005
31: 1,737,139	225— 14: 1,737,023	272: 1,737,088	144: 1,737,144	89: 1,737,048	187: 1,736,966
50: 1,736,776	17: 1,737,518	390: 1,737,482	4: 1,737,031	106.5: 1,736,787	189: 1,736,972
1,737,361	19: 1,737,512	25: 1,736,888	1,737,121	124: 1,737,328	244: 1,736,998
167: 1,737,175	116: 1,736,771	247— 20: 1,737,242	27: 1,737,475	281— 19: 1,737,109	312— 127: 1,737,156
34: 1,737,260	228— 38: 1,736,825	248— 32: 1,737,209	72: 1,736,905	22: 1,737,052	
107: 1,737,438	229— 1.5: R. 17, 503	32: 1,737,214	124: 1,737,458	282— 16: 1,737,509	
159: 1,737,410			125: 1,737,192		

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CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, December 3, 10, 17, 24, 31.....	3, 269, 533, 787, 999
TRADE-MARKS PUBLISHED AND REGISTERED, December 3, 10, 17, 24, 31.....	9, 275, 537, 791, 1003
LABELS AND PRINTS REGISTERED, December 3, 10, 17, 24, 31.....	53, 314, 575, 837, 1047
REISSUES, December 3, 10, 17, 24, 31.....	55, 317, 577, 839, 1049
DESIGNS, December 3, 10, 17, 24, 31.....	57, 319, 579, 840, 1051
PATENTS, December 3, 10, 17, 24, 31.....	69, 327, 592, 852, 1061

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE.....	1, 267, 531, 785, 997
APPLICATIONS—Condition of pending.....	2, 268, 532, 786, 998
DATE OF PATENT—Weekly Issues—Rule 167.....	267
DISCLAIMERS—Bodine, Alfred.....	267
Day, William H.....	1
Foster, Lee R.....	1
Marshon, Ralph D.....	267
Vinton, John H.....	531
Woodward, Marlon H.....	1
INTERFERENCE NOTICE—Gentile Company, The Jos.....	785, 997
OFFICIAL GAZETTE—Decision leaflets—Price of.....	267
PATENT SUITS.....	7, 274, 536, 790, 1002
PATENTS—List of adjudicated.....	1, 267, 531, 785, 997
TRADE-MARKS—Notice of cancellation.....	531, 785, 997

TABLE OF CASES REPORTED

	Page		Page
• Conover v. Downs.....	4	• Magness. In re.....	1000
• Daniel. In re.....	270	• Palmer Company, The I. E. v. Nashua Manufac-	
• Daniel. In re.....	1000	turing Company.....	533
• Elfel. In re.....	533	Rex Agency. Ex parte.....	8
• Faulk. Ex parte.....	269	Schweyer. Ex parte.....	787
• Holmes. In re.....	787	• Travis. In re.....	535
• Huntley. Ex parte.....	8	• Wolf. In re.....	999
• Jensen. In re.....	7		

[Decisions of the Board of Appeals are indicated by the letter (b); and of the Court of Customs and Patent Appeals by a star (*).]

4863

THE OFFICIAL GAZETTE OF THE United States Patent Office

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CONTENTS

	Page
ISSUE OF DECEMBER 3, 1929.....	1
ADJUDICATED PATENTS.....	1
ADVERSE DECISIONS IN INTERFERENCE.....	1
DISCLAIMERS.....	1
APPLICATIONS UNDER EXAMINATION.....	2
COMMISSIONER'S DECISION—	
<i>Ex parte</i> Rex Agency.....	3
DECISION OF THE BOARD OF APPEALS—	
<i>Ex parte</i> Huntley.....	3
DECISIONS OF THE U. S. COURTS—	
<i>Conover v. Downs</i>	4
<i>In re Jensen</i>	7
PATENT SUITS.....	7
TRADE-MARKS PUBLISHED (258 APPLICATIONS).....	42
TRADE-MARK REGISTRATIONS GRANTED.....	49
TRADE-MARK REGISTRATIONS RENEWED.....	53
PRINTS.....	53
REISSUES.....	55
DESIGNS.....	57
PATENTS GRANTED.....	69

Issue of December 3, 1929

Trade-Marks.....	174—No. 264,640 to No. 264,813, inclusive.
T. M. Renewals.....	119
Labels.....	10—No. 36,708 to No. 36,717, inclusive.
Prints.....	5—No. 12,237 to No. 12,241, inclusive.
Reissues.....	6—No. 17,509 to No. 17,514, inclusive.
Designs.....	50—No. 80,011 to No. 80,080, inclusive.
Patents.....	963—No. 1,737,547 to No. 1,738,509, inclusive.
Total.....	1,336

Adjudicated Patents

(D. C. Conn.) Hubbell patent, No. 1,146,988, for attachment-plug receptacle, *Held* valid as to claims 1, 2, 3, 7, and 11, and infringed as to 1, 2, 3, and 11. *Harvey Hubbell, Inc. v. Gaynor Electric Co.*, 34 F. (2d) 822.

(C. C. A. Cal.) Hopkins patent, No. 1,271,527, for sound-regenerating machine, claims 29 and 30 *Held* not infringed. *Lektophone Corporation v. Rola Co.*, 34 F. (2d) 764.

(C. C. A. Cal.) Hopkins patent, No. 1,271,529, for acoustic device, claims 1-8 *Held* not infringed. *Id.*

(C. C. A. Iowa) Kirkpatrick patent, No. 1,625,213, for canister centering and retaining device, *Held* not infringed. *Harris v. Ladd*, 34 F. (2d) 761.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,566,833, S. M. Lucas, Static-phase-shifting apparatus, decided November 11, 1929, claim 1.

Pat. 1,658,735, F. O'Neill, Bottle machine, decided October 21, 1929, claim 23.

Pat. 1,674,720, W. L. Hamilton, Automatic regulator, decided October 25, 1929, claims 1, 2, and 4.

Final decision in interference has been rendered against the following trade-mark:

T. M. 249,484, Men's, women's, and children's straw, Panama, and felt hats, Bronston Bros. and Co., Inc., New York, N. Y. Registered November 13, 1928. Decided October 25, 1929.

Disclaimers

1,057,384.—*Lee R. Foster*, River Edge, N. J. TELEGRAPH SYSTEM. Patent dated January 24, 1928. Disclaimer filed November 9, 1929, by the assignee, *The Western Union Telegraph Company*, patentee, said *Foster* concurring.

Hereby enters this disclaimer limiting said claims of said patent as follows, to wit:

In claims 1, 2, 6 and 11, restricting the element "means independent of said distributor" so that it shall be interpreted and construed as though it read "means independent of any distributor".

In claim 9, restricting the expression "said means being independent of said distributor" so that it shall be interpreted and construed as though it read "said means being independent of any distributor".

1,075,331.—*William H. Day*, East Haven, Conn. INDEX on FILE. Patent dated July 3, 1928. Disclaimer filed November 18, 1929, by the assignee by *metes* assignments, *Remington Rand Inc.*

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"12. In an index or file, an index card provided with a tongue directed inwardly from the lower marginal portion thereof, and an upwardly directed shoulder extending parallel with said marginal portion to one side of the connecting point between said tongue and said card."

1,669,418.—*Marion H. Woodward*, Brooklyn, N. Y. TELEGRAPH SYSTEM. Patent dated January 15, 1928. Disclaimer filed November 9, 1929, by the assignee, *The Western Union Telegraph Company*, patentee, said *Woodward* concurring.

Hereby enters this disclaimer limiting said claim 9 of said patent as follows, to wit:

In claim 9, restricting the expression "said local circuit being independent of said distributor" so that it shall be interpreted and construed as though it read "said local circuit being independent of any distributor".

Condition of Applications Under Examination at Close of Business November 22, 1929

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Mar. 18	Apr. 3	1,341
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 21	Mar. 22	1,888
331	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 6	June 19	1,334
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	Apr. 15	Apr. 15	1,387
108*	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Mar. 6	Mar. 6	1,599
318	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Jan. 21	Jan. 24	3,064
106	7. JARBOE, C. G., Optics; Photography.	Mar. 8	Mar. 13	2,341
133	8. HENRY, C. C., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	July 24	1,223
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	May 2	May 2	1,802
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Mar. 6	Apr. 13	1,659
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Buttons, Eyelet, and Rivet Setting; Harness; Leather Manufacture; Nailing and Stapling; Whip Apparatus.	July 11	Aug. 8	748
380	12. PIERCE, P. P., Machine Elements.	Mar. 23	Apr. 8	1,671
154*	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 29	Apr. 17	1,487
102*	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 5	Apr. 25	1,253
329	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Feb. 1	Feb. 2	2,848
242*	16. SPENCER, C. J., Telegraphy; Telephony.	Mar. 1	Apr. 8	1,334
307	17. RAFTER, O. S., Label Pasting and Paper Hanging; Ornamentation; Paper Manufacture; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 5	Mar. 23	1,548
226	18. PORTER, M. E., Motors, Expandable Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 12	Apr. 17	1,470
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 11	Mar. 1	2,105
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 4	Apr. 2	1,584
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	Apr. 16	July 12	842
244*	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	May 17	Apr. 17	1,619
217	23. GROESBECK, W. D., Coin Handling; Records; Registers.	Jan. 26	Feb. 15	1,106
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 19	Apr. 25	1,560
202*	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminators.	Mar. 15	Mar. 23	1,638
228*	26. HODGES, J. S., Electricity, Generation; Motive Power.	Apr. 9	Apr. 1	1,243
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 26	Mar. 7	1,605
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 11	Apr. 10	2,051
190*	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	May 18	May 11	805
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 2	Aug. 12	1,438
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Mar. 9	Mar. 13	2,467
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	Apr. 13	Apr. 11	1,841
152	33. WYMAN, W. I., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 3	Apr. 6	2,386
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Mar. 21	Apr. 8	1,212
118*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	June 5	July 1	1,782
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Mar. 15	Mar. 14	2,228
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Feb. 11	Feb. 20	2,252
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Walls.	Feb. 19	Mar. 5	1,963
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Jan. 23	Feb. 7	1,966
262*	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Feb. 27	Apr. 13	2,975
125	41. BROWN, J. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Mar. 22	Mar. 27	1,375
223*	42. CUTTING, H. O., Electric Signaling.	Apr. 22	June 1	1,597
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicine; Surgery; Dentistry; Artificial Body Members.	Feb. 25	Feb. 28	2,252
253	44. SHAFFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 25	Mar. 7	2,230
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Feb. 4	Feb. 2	2,558
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 27	Apr. 1	1,642
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Feb. 1	Feb. 19	2,622
212*	48. ROEPKE, O. B., Electricity, General Applications.	Mar. 19	Mar. 15	1,385
289	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 16	June 27	1,346
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating.	Mar. 5	Mar. 25	2,756
340*	51. BACEUS, C. D., Radiant Energy, Wave Transmission.	Mar. 5	Mar. 1	2,296
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 25	Apr. 15	2,335
201*	53. PECK, M. K., Books; Manifold; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	June 22	June 24	1,402
341	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Mar. 1	Mar. 1	2,532
103	55. BOWEN, S. T., Designs.	Oct. 28	Nov. 9	407
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	July 27	July 27	566
257*	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 21	Feb. 25	2,416
270*	58. DOWELL, E. F., Abrading; Typewriting.	Mar. 16	May 10	1,184
315	59. RICHARD, V. L., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Feb. 28	Mar. 16	1,881
213*	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Feb. 28	Mar. 16	1,881
260	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Mar. 1	Mar. 1	2,374
345*	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Mar. 6	Mar. 9	2,668
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND—(Trade-Marks—Labels and Prints.)	Oct. 25	Nov. 8	1,570
		Oct. 31	Nov. 7	173

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE REX AGENCY

Decided August 17, 1929

TRADE-MARKS—GOODS—INSURANCE POLICIES, FIDELITY BONDS, AND SURETY BONDS.

Insurance policies, fidelity bonds, and surety bonds held not to be merchandise or goods used in commerce, as contemplated in the trade-mark statutes, and registration of a trade-mark therefor properly refused.

ON APPEAL.

Application for registration of trade-mark for insurance policies, fidelity bonds, and surety bonds.

Mr. Lynn H. Latta for the applicant.

KINNAN, First Assistant Commissioner:

The applicant has appealed from the decision of the Examiner of Trade-Marks denying registration of the slogan "See Rex Before Wrecks," as a trade-mark for insurance policies, fidelity bonds, and surety bonds.

The ground upon which registration was denied is that the goods are not proper subject matter to support trade-mark registration; that the goods are not sold in commerce but are mere printed blanks possessing a certain utility only when filled out and signed as contracts.

The applicant has urged that the notation is a trade-mark at common law, and since the trade-mark statutes provide for registration of any such mark which is not in violation of any of the provisions of the statutes, the applicant is entitled to registration. The difficulty with this proposition is that printed blanks for insurance policies and bonds are not deemed articles of merchandise at common law. It is true the producer or manufacturer of these printed blanks may sell them in suitable bulk to the insurance company, but the latter company can not be regarded as selling these articles. So far as the insurance policy or the bond described upon one of these blanks is concerned, there is no sale of the printed paper when such a policy, contract, or bond is sold or purchased. In such a transaction the intrinsic value of the paper is not considered. The insurance company does not maintain these printed blank forms for separate sale as such, but uses them, not as vendible articles possessing intrinsic value, but as mere articles upon which the contracts between the insurance company or the giver of the bonds and its clients may be written. Notwithstanding the issues that were presented in the adjudicated cases relied upon by the Examiner, it must be held they support what has been heretofore the settled practice of this Office, that goods of the character referred to in this application are not merchandise or goods used in commerce as contemplated in the trade-mark statutes under which registration is granted.

The decision of the Examiner is affirmed.

Decision of the Board of Appeals

EX PARTE HUNTLEY

Decided August 21, 1928

1. PATENTABILITY—LIQUID-FEED SYSTEM.

The association of a diaphragm pump which is especially suitable for pumping gasoline with the lubricating oil pump into a consolidated unit in a gasoline engine held to involve patentable novelty, the water pump of Galloway with the associated air pump being thought to be too remote to suggest applicant's combination.

2. SAME—INCLUSION OF NONCOOPERATING ELEMENTS.

In claims for a liquid-feed system for a gasoline engine including a double pump for pumping different liquids held that it is objectionable to bring the throttle valve into the combination of any of the claims, even in broad terms, since such valve is not properly part of the pumping system.

[This application has resulted in Patent No. 1,729,723.]

ON APPEAL.

FUEL-FEED SYSTEM

Mr. Chester H. Braselton for the applicant.

Before MOORE, Assistant Commissioner, and SKINNER and REDROW, Examiners in Chief

REDROW, Examiner in Chief:

This is an appeal from the rejection of claims 2, 3, 4, and 5, which read as follows:

2. In combination, two liquid feed systems, a pair of chambers, one in each of said systems separated by a diaphragm, means for producing a pumping cycle in the liquid in one of said chambers whereby the diaphragm is actuated to produce a similar cycle in the liquid in the other chamber, the impulse time of such cycle being less than the nonimpulse time, and single means for controlling the extent of movement of the diaphragm and the speed of movement of the pumping means.

3. In combination, two liquid feed systems, a pair of chambers, one in each of said systems separated by a diaphragm, means for producing pumping impulses in the liquid in one of said chambers whereby the diaphragm is actuated to produce similar impulses in the liquid in the other chamber, inlet and outlet connections to said chambers whereby the liquid is passed therethrough, and single means for preventing the flow of liquid through one of said chambers and for controlling said pumping means.

4. In a gas engine, the combination of a lubricating oil system, a fuel oil system, a pair of chambers, one in each of said systems separated by a diaphragm, means for producing pumping impulses in the lubricating oil chamber whereby the diaphragm is actuated to produce similar impulses in the fuel oil chamber, and means associated with the fuel oil system adapted to control the pumping means in the lubricating oil chamber.

5. In a gas engine, the combination of a lubricating oil system, a fuel oil system, a pair of chambers, one in each of said systems separated by a diaphragm, means for producing pumping impulses in the lubricating oil chamber whereby the diaphragm is actuated to produce similar impulses in the fuel oil chamber, and means including a manually operated valve for controlling the movement of the pumping means and preventing transmission of the pumping impulses to the fuel chamber.

The references are: Koelker, 1,824,905, December 16, 1919; British Patent 4,617 of 1877.

This application relates to a double pump for pumping two different liquids by the same combined pumping elements. It is especially suitable on liquid-fuel engines to pump the lubricating oil and the fuel, such as gasoline, from their respective storage receptacles to their points of use.

It combines a plunger pump for the oil and a flexible diaphragm which is operated by pulsations in the oil to thereby serve as a diaphragm pump

for the gasoline. The plunger of the oil pump is actuated in one direction by a cam on one of the shafts of the engine and in the other by a spring. The cam is relatively sharp or steep and acts through less than 180° of the revolution of the shaft. It appears that the idea of a combined plunger and diaphragm pump is not broadly new since the British patent to Galloway clearly discloses pumping a liquid, such as water, by a plunger pump and deriving impulses from the water to operate a flexible diaphragm to pump air.

Each of the appealed claims refers in terms of apparatus to the pumping "liquids" or "lubricating oil" and "fuel oil". But since the claims are apparatus claims and since Galloway's pump could apparently pump two liquids instead of liquid and gas, especially if run slowly, it is not apparent that any patentable weight can be given to this detail.

Claim 1, including limitation to the relatively short time of action of the cam as compared to the time of its inaction in the cycle, has been allowed.

Claim 2 stands rejected as not allowable over claim 1 by reason of the addition of a certain clause. Said clause is—

and single means for controlling the extent of movement of the diaphragm and the speed of movement of the pumping means.

This is apparently intended in a more or less limited way to tie the claim to a gasoline engine, as it is not conceivable how it would apply to any other combination, as a steam engine or mere mechanical drive gear. These might control the speed, but it is not obvious how one means would also control the extent of movement of the diaphragm without extensive rearrangement or additions. It is stated in the record that this clause is intended to refer to the throttle of the gasoline engine. If so, there does not appear to be enough specific reference to such gasoline engine in the preceding part of the claim as an antecedent, to give any reasonable meaning to this clause. Stated in another way this clause seems to necessarily be dependent on combination with a gasoline engine, but there is no such combination set forth in the claim. Its meaning and scope are, therefore, vague. The Examiner has given the clause a very broad scope and taken the ground that it involves no invention to add means to regulate the speed of drive over what is included in claim 1 and also that Koelker shows a pump necessarily regulated by the throttle of the engine and that it would involve no invention to regulate the speed of such double pump generally.

We are of opinion that this claim presents nothing patentable over what is included in claim 1. The rejection of this claim is affirmed.

Claim 3 is considered broader than claim 2 because of the omission of reference to the relative time of impulse of the actuating means. It includes a similar final clause and is subject to the same objection so far as it is concerned, the preceding part of this claim being anticipated. The rejection of this claim is also held proper. Claim 4, except for the last clause, is considered to set forth a proper combination which would be allowable over Galloway. We believe the association of the diaphragm pump, which is espe-

cially suitable for pumping gasoline, with the lubricating oil pump into a consolidated unit in the gasoline engine to involve patentable novelty. The water pump of Galloway with the associated air pump is thought to be too remote to suggest applicant's combination with such engine.

It is considered objectionable, however, to bring the throttle valve into the combination in any of the claims, as it is not properly part of the pumping system and is too indirectly associated with it to be considered an element of it. The purpose of the throttle is not primarily to control the speed of the pump but the speed or power of the engine, and the speed of the pump is only an incidental indirect result. It may be noted further that variation of the load on the engine may have more effect than the throttle on the speed, so that the throttle does not necessarily control the speed of the engine and consequently the pump. The relative feed as between the oil and gasoline is also independent of the movement of the throttle and may at times work reversely as to the oil. The clause is inaccurate for this reason.

The action of the Examiner is reversed as to the merits of this claim over the references, and we recommend that if applicant wishes to present an amendment to claim 4 cancelling the last clause beginning with "and" in line 6, the Examiner enter it and allow the claim in the absence of references.

Claim 5 is a duplicate of claim 4 except for a similar objectionable clause. If the last clause is canceled, it would become the same as claim 4. In its present form it must be held not allowable over what is suggested above as allowable in claim 4.

It is noted that claim 7 differs from claim 6 only by the addition of the objectionable final clause referring to the throttle. It is recommended that the Examiner reject claim 7 for this reason as not allowable over claim 6.

The rejection is affirmed as to claims 2 and 3 with recommendations as to claims 4, 5, and 7.

Limit of appeal to Court of Appeals, 40 days, rule 149.

U. S. Court of Customs and Patent Appeals

CONOVER v. DOWNS

Decided October 4, 1929

1. INTERFERENCE—PRIORITY—CONSTRUCTIVE REDUCTION TO PRACTICE.

Where the application of C., involved in interference, was not filed until after the grant of a patent disclosing the invention, *Held* that the filing of the application which matured into patent was not a constructive reduction to practice of the invention in issue (citing *Wainwright v. Parker*, 32 App. D. C. 431, 142 O. G. 1115; *In re Spitteler*, 81 App. D. C. 271, 184 O. G. 1801; and distinguishing *Alexander Milburn Co. v. Davis-Bournonville Co.*, 270 U. S. 390, 344 O. G. 817).

2. CONSTRUCTION OF DECISIONS.

"Undue liberties should not be taken with the language in a court decision. Rather it should be construed and applied in accordance with the precise issue before the court. If this course is followed much useless litigation may be avoided."

3. INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* to establish that D. was entitled to an award of priority as the first to conceive the invention and the first to reduce it to practice.

APPEAL from Patent Office. Affirmed.

Mr. B. G. Foster, Mr. H. Dorsey Spencer, and Mr. Robt. A. Norton for Conover.

Mr. W. B. Morton, Mr. George J. Hesselman, Mr. Richard K. Stevens, and Mr. Clarence M. Fisher for Downs.

HATFIELD, J.:

This is an appeal, in an interference proceeding, from the decision of the Commissioner of Patents affirming the decision of the Board of Examiners in Chief which, in turn, had affirmed the decision of the Examiner of Interferences awarding priority of invention to appellee, Charles R. Downs.

The invention in issue consists of "A process for removing the excess heat of reaction from a catalytic zone" and is defined in four counts. Count four, which will serve to illustrate the process, reads as follows:

4. The process of treating reacting gases which consists in producing a current of gases, subjecting said gases at one point to the presence of a catalyst, removing excess heat thereby generated by subjecting the catalyst to the cooling influence of a liquid that will boil at a temperature generated by the catalytic action, and subjecting the incoming cooler gases to the influence of the vapors generated by the boiling of said liquid, liquefying the vapors and returning the liquid again to the sphere of the catalytic action.

On April 30, 1919, appellant, Conover, filed an application, which matured into a patent on December 9, 1919, claiming and disclosing an apparatus which would perform the process in issue. He made no claim, however, that he had invented a novel process. On July 13, 1921, appellant filed an application for a reissue of the patent, in which he made claims for the process here in issue. On July 29, 1921, the Primary Examiner held that appellant could not claim the process in a reissue application. Thereafter, on November 28, 1921, appellant filed an independent application for the process, and, on July 25, 1922, canceled, without appeal, the process claims contained in his reissue application. Appellant claims conception of the process in December, 1917, and a constructive reduction to practice as of the date of his original application, April 30, 1919.

On June 11, 1919, appellee, Downs, filed an application, of which the one here involved is a division, disclosing and claiming the process in issue. The divisional application was filed October 21, 1922. Appellee claims conception of the process January 31, 1919, an actual reduction to practice in March, 1919, and a constructive reduction to practice as of the date of the filing of his parent application, June 11, 1919.

Evidence was submitted by the respective parties in support of their claims, and it has been carefully analyzed and reviewed by each of the tribunals in the decisions below. Summarized, these decisions consistently held: First, that the parties were entitled to dates of conception as follows: Appellant, Conover, April 30, 1919, the date of the filing of his application which matured into a patent, December 9, 1919; appellee, Downs, January 31, 1919. Second, that appellant, Conover, was not entitled to a constructive reduction to practice by virtue of the filing of his application for a patent on April 30, 1919, as that application was for an invention dif-

ferent from the one now in issue and, as he made no claims for the process in issue until nearly two years had elapsed after his application had matured into a patent, there was nothing pending in the Patent Office to which his later application could relate or attach, and that, as there was no evidence of actual reduction to practice, he was confined to the date of the filing of his independent application for the process in issue, November 28, 1921. Third, that, while the evidence is not sufficient to establish an actual reduction to practice by appellee, Downs, he is entitled to a constructive reduction to practice as of the date of the filing of his parent application, June 11, 1919. And, fourth, as Downs was the first to conceive the invention and the first to reduce it to practice, he was entitled to the award of priority.

We have examined the evidence with care and find no error in the decision below in regard thereto. In view of the fact that each of the tribunals below reviewed the evidence, we deem it unnecessary to set it out here.

It is claimed by appellant that he conceived and disclosed the invention in December, 1917; that he is entitled to a constructive reduction to practice as of the date of the filing of his application for an apparatus patent for the performance of the process in issue—April 30, 1919—in accordance with the decision of the Supreme Court in the case of *Alexander Milburn Co. v. Davis-Bournonville Co.*, 270 U. S. 390, and that, therefore, he was the first to conceive the invention and the first to reduce it to practice; that appellee had no complete conception of the invention until on or about December 5, 1921; that the application of appellee, filed June 11, 1919, is not a constructive reduction to practice for the following reasons, namely: "(a) because it discloses nothing more than the experimental apparatus described in the Conover Exhibit B and by the test of the experimental work, therefore, contains no disclosure of a way in which the process here in issue can be carried out; (b) because the whole principle of operation of the Downs disclosure is fundamentally inoperative"; and that, as appellee failed to make claims to the invention in his application filed June 11, 1919, and, as appellee's alleged divisional application was not filed for more than two years after appellant's application of April 30, 1919, had matured into Patent No. 1,324,433, December 9, 1919, in which the process in issue was published, appellee is barred from claiming the invention by virtue of the pronouncements of the Supreme Court in *Chapman et al. v. Wintroath*, 252 U. S. 126, and *Webster v. Splittorf*, 264 U. S. 463.

Assuming the correctness of the premise declared by counsel for appellant, his conclusions are not at all illogical. If appellant conceived the invention in December, 1917, and if he is entitled, as a matter of law, to a constructive reduction to practice as of April 30, 1919, he is undoubtedly the first to conceive the invention and the first to reduce it to practice. However, the tribunals below have held, and correctly so we think, that the evidence is wholly insufficient to establish that appellant conceived the

invention in December, 1917, or at any other named date prior to the filing of this application, April 30, 1919.

With reference to the date of conception by appellee, the tribunals below have held that he is entitled to January 31, 1919. We think this decision is in accord with the evidence in the case. Obviously, then, appellee was the first to conceive the invention. But it is argued by counsel for appellant that the application of appellee filed June 11, 1919, does not show, even at that date, a complete conception of the process in issue, and that the principle of operation of appellant's disclosure in his application is "fundamentally inoperative." This argument has been answered so completely by each of the tribunals below, that we deem it unnecessary to say more than that we are in accord with the position taken by them.

[1] Is appellant entitled to the filing date of his original application—April 30, 1919—for a constructive reduction to practice, as his counsel so vigorously contends? We think not. While it is true that appellant disclosed the process in issue in that application, he did not claim it. That application matured into a patent on December 9, 1919. No claims to this process were made by appellant until he filed his application for a re-issue, July 13, 1921. In view of the fact that the claims for the process were for a different invention than that involved in the patent of December 9, 1919, appellant was required by the Primary Examiner to cancel these claims. This ruling was accepted by appellant and the claims were canceled. Accordingly, appellant had no proper application for the invention pending in the Patent Office until he filed his independent application on November 28, 1921, nearly two years after his application of April 30, 1919, had matured into a patent. There was, therefore, no parent application pending in the Patent Office to which his application of November 28, 1921, could relate or attach. Accordingly, appellant was properly restricted. In the absence of evidence of actual reduction to practice, to November 28, 1921, for a constructive reduction to practice. *Wainwright v. Parker*, 32 Appls. D. C. 431; *In Re Spitteler*, 31 Appls. D. C. 271, decided April 20, 1908, and cases cited therein. It is claimed, however, by counsel for appellant that the decisions in the cases of *In Re Spitteler* and *Wainwright v. Parker*, supra, are inconsistent with the decision by the Supreme Court in the case of *Alexander Milburn Co. v. Davis-Bourmonville Co.*, supra. We are not in accord with this view.

The *Milburn Co. case* was an action for infringement. The application for the patent claimed by the plaintiff was filed on March 4, 1911, and matured into a patent on June 4, 1912. There was no evidence that Whitford, who filed the application, conceived the invention prior to the filing of his application. One Clifford, through whom the defendant claimed the invention, filed his application on January 31, 1911, and patent was issued on February 6, 1912. Clifford's application fully disclosed the

invention patented by Whitford, but no claims were made to it. It will be observed that, as between Whitford and Clifford, Clifford was the first to conceive the invention. More than that he fully and adequately disclosed it in an application for a patent, although he did not make claims to it prior to Whitford's filing date. Among other things, the court said:

Among the defenses to a suit for infringement the fourth specified by the statute is that the patentee "was not the original and first inventor or discoverer of any material and substantial part of the thing patented." Rev. Sts. §4920, amended, March 3, 1897, c. 391, §2, 29 Stat. 692.

The question is not whether Clifford showed himself by the description to be the first inventor. By putting it in that form it is comparatively easy to take the next step and say that he is not an inventor in the sense of the statute unless he makes a claim. The question is whether Clifford's disclosure made it impossible for Whitford to claim the invention at a later date. The disclosure would have had the same effect as at present if Clifford had added to his description a statement that he did because he believed it to be old. It is not necessary to not claim the thing described because he abandoned it or show who did invent the thing in order to show that Whitford did not.

It is said that without a claim the thing described is not reduced to practice. But this seems to us to rest on a false theory helped out by the fiction that by a claim it is reduced to practice. A new application and a claim may be based on the original description within two years, and the original priority established notwithstanding intervening claims. *Chapman v. Winthroath*, 252 U. S. 126, 137. A description that would bar a patent if printed in a periodical or in an issued patent is equally effective in an application so far as reduction to practice goes.

The fundamental rule we repeat is that the patentee must be the first inventor. The qualifications in aid of a wish to encourage improvements or to avoid laborious investigations do not prevent the rule from applying here. (Italics ours.)

[2] If the quoted language of the Supreme Court had been employed in an issue such as the one before us, it might be seriously argued that it was intended to establish a rule contrary to the pronouncements contained in the decisions in the cases of *Wainwright v. Parker*, and *In Re Spitteler*, supra, and to change the historic policy of the Patent Office. However, it must be remembered that this is an interference case; that appellee was the first to conceive the invention; that he was diligent in reducing it to practice; and that a different issue was before the Supreme Court in the *Milburn Co. case*. We do not believe that the Supreme Court had any intention of denying the correctness of the principles announced in the *Wainwright v. Parker*, and *In Re Spitteler cases*. Surely, if such had been the intention, some reference to those decisions would have been made. Undue liberties should not be taken with the language in a court decision. Rather it should be construed and applied in accordance with the precise issue before the court. If this course is followed much useless litigation may be avoided.

[3] Appellee disclosed and claimed the invention in his application filed June 11, 1919. Accordingly, the one involved in this interference is a division of the parent application, and appellee is entitled to the filing date of his parent application for a constructive reduction to practice; *In Re Spitteler*, supra, and cases cited therein. This being so, ap-

pellee was the first to conceive the invention and the first to reduce it to practice, and, therefore, is entitled to the award of priority.

The decisions in the cases of *Chapman v. Winthroath* and *Webster Co. v. Splittorf Co.*, supra, are, obviously, not in point. There is, therefore, no occasion to prolong this discussion by reviewing them.

For the reasons stated the decision below is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE JENSEN

No. 2,157. Decided October 4, 1929

PATENTABILITY—AUTOMOBILE HEADLIGHTS.

Claims for an automobile headlight held unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. J. T. Newton for Jensen.

Mr. T. A. Hostetter for the Commissioner of Patents.

BLAND, J.:

Appellant appeals from the decision of the Board of Appeals of the Patent Office refusing to allow claims 1 and 2 of his application for a patent for a "Device for Shading Automobile Headlamps," which claims are herewith reproduced:

1. In an automobile headlight, a parabolic reflector, a source of light in the reflector, a lens arranged at the front of the reflector, a horizontal shade arranged within the reflector midway between its upper and lower edges and located between the lens and light source and dividing the interior of the reflector into upper and lower chambers, and a vertical shade extending upwardly from the horizontal shade, arranged in front of the light source and capable of dimming the light rays passing into the upper chamber.

2. An automobile headlight as claimed in claim 1 in which the vertical shade is arranged transversely of the reflector and is formed by bending up the rear end portion of the horizontal shade and making the vertical shade translucent.

The claims stand rejected on the references Benjamin (reissue) 14,408, December 11, 1917, and Brown et al., No. 1,348,927, August 10, 1920.

It is claimed by appellant that his device is to cure a defect present in automobile headlights which causes accidents by the top portion of the light blinding the eyes.

The applicant's device is a parabolic reflector, a lens closing the open end of the reflector, and a bulb socket or source of light which is placed adjacent to the locus of curvature of the parabolic plane of the reflector. The structure of the device up to this point is the ordinary automobile headlight. Appellant claims to have modified known existing lights by the use of a horizontal shade partition extending from the lens to a line substantially in front of the light source and located midway between the upper and lower edges of the reflector, thus dividing the interior of the reflector into upper and lower chambers. A vertical shade extending upwards from the rear of the partition provides a means for dimming the light coming from the reflector and also the rays coming from the light source. It is claimed that in applicant's device all the rays of light coming through the lens are the

same in all directions as though the shade were not there and that the shade functions only to color or dim the upper half of the emitted rays while still maintaining the full illuminating powers of the lamp.

In Benjamin, and Brown, supra, we find substantially the same structure. The Benjamin patent discloses everything stated in claim 1 except for the statement "capable of dimming the light rays passing into the upper chamber." In this reference the vertical portion of the screen is opaque and reflects the light to the back portion of the parabolic reflector, from which it is again reflected and dispersed to the front portion.

Brown et al. shows a screen having a portion which divides the interior of the reflector into upper and lower chambers and a translucent portion which dims the light rays passing into the upper chamber. The screen portion, however, is not horizontal.

Benjamin shows this element to be horizontal, thus producing the same degree of illumination as appellant's screen.

The Board of Appeals in rejecting the claim stated:

In our opinion the Examiner was right in his holding or Brown et al. might be taken as the basic reference, there being no invention in making their screen element 5 horizontal in view of the part 8 of Benjamin.

Agreeable to the views expressed by the Board of Appeals, we find no invention in applicant's device, and its decision is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

858,183, A. G. Laurent, Hand fire-extinguishing apparatus, C. C. A., 3d Cir., Doc. 3882, *Foamite-Chills Corp. v. Pyrene Mfg. Co.* Claims 1, 3, and 6 held not infringed Oct. 8, 1929.

1,022,140, C. Hubert, Portable lighter, D. C., S. D. N. Y., Doc. E 43/275, *M. E. Bernhardt Co., Inc., v. Cunningham Mfg. Corp.* Consent decree holding patent valid Oct. 15, 1929.

1,058,879, J. M. Maher, Current deflector, filed May 13, 1929, D. C., Nebr. (Omaha), Doc. E 1014, *J. M. Maher v. Woods Bros. Corp. et al.*

1,142,361, G. Ornstein, Process of antisepticizing water, filed Oct. 17, 1929, D. C., S. D. N. Y., Doc. E 50/350, *Wallace & Tiernan Co., v. H. J. Pardee et al.*

1,191,495, G. Claude, Method for separating neon from gases with which it is mixed, D. C., S. D. Calif. (Los Angeles), Doc. K-110-M, *Electrical Products Corp. v. Neale, Inc., et al.* Dismissed Sept. 18, 1929.

1,244,216, I. Langmuir, Electron-discharge apparatus and method of preparation; 1,244,217, same, Electron-discharge apparatus and method of operating same; 1,529,597, same, Electron-emitting device and method of preparation, C. C. A., 3d Cir., Doc. 3800, *General Electric Co. v. The De Forest Radio Co.* Decree affirmed Oct. 3, 1929.

1,244,217, I. Langmuir, Electron-discharge apparatus and method of operating same, C. C. A., 3d Cir., Doc. 3801, *The De Forest Radio Co. v. General Electric Co.* Decree affirmed Oct. 3, 1929.

1,244,217. (See 1,244,216.)

1,283,404, H. L. Feasel, Mop, D. C., N. D. Ohio (E. Div.), Doc. 2968, *O-Cedar Corp. v. The Pioneer Mfg. Co.* Patent held valid and infringed (notice dated Oct. 16, 1929).

1,307,733. A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, D. C., W. D. Okla. (Okla. City), Doc. E 1045, *Alemite Mfg. Corp. v. A. W. Kavanaugh et al.* Decree enjoining defendants Oct. 14, 1929.

1,307,734. (See 1,307,733.)

1,314,752. O. Olsen, Article of manufacture, D. C., E. D. Ill. (E. St. Louis), Doc. E 2573, *W. A. Collings et al. v. Haydite Co. et al.* Appeal allowed Oct. 17, 1929.

1,321,940. P. C. Oscanyan, Score or bulletin board, C. C. A., 3d Cir., Doc. 4030, *The Baseball Display Co., Inc. et al. v. Star Ballplayer Co., Inc.* Doc. 4143, *Star Ballplayer Co., Inc. v. The Baseball Display Co., Inc.* Decrees on accounting modified, Sept. 24, 1929.

1,404,539. C. K. Nelson, Confection; T. M. 155,844, T. M. 162,585, Russell Stover Co., Confection, C. C. A., 3d Cir., Doc. 3994, *Eskimo Pie Corp. v. J. Levous et al.* Patent held invalid Oct. 3, 1929.

1,435,199. L. V. Blair, Heat-insulated receptacle, D. C., N. D. Ohio (E. Div.), Doc. 2508, *The Mantle Lamp Co. of America v. The G. N. Bowman Co.* Claims 1, 3, to 7, inclusive, 9, to 14, inclusive, 17, 18, and 21 to 24, inclusive, held invalid Sept. 12, 1929.

1,457,153. W. S. Elliott, Water heating and degasifying apparatus; 1,497,491, same, Method of treating liquids and apparatus therefor; Re. 15,866, same, Treatment of liquids; 1,463,153, R. N. Ehrhart, System for removing air and gases from water, C. C. A., 3d Cir., Doc. 3976, *Elliott Co. v. H. Cochran Corp.* Decree affirmed Sept. 30, 1929.

1,463,158. (See 1,457,153.)

1,464,683. N. C. Ovalt, Counter attachment for accounting machine, D. C., W. D. N. Y., Doc. 58, *N. C. Ovalt v. H. R. Davis et al.* Consent decree Oct. 9, 1929.

1,469,344. W. Ware, Roller, D. C., N. D. Ohio (E. Div.), Doc. 2513, *W. Ware et al. v. The W. Bingham Co.* Claims 1, 2, 3, and 8 held valid, claim 2 infringed Oct. 4, 1929.

1,470,094. E. P. Mull, Water cooler, appeal filed June 11, 1929, C. C. A., 3d Cir., Doc. 4174, *The Allen Filter Co. v. Star Metal Mfg. Co. et al.*

1,497,491. (See 1,457,153.)

1,517,149. Ciba & Simmons, Electric toaster, D. C., N. D. Ohio (E. Div.), Doc. 2464, *J. W. Simmons v. The Nelson Machine & Mfg. Co. et al.* Dismissed for want of prosecution Oct. 1, 1929.

1,521,941. G. B. Graf, Stop signal, filed July 3, 1929, D. C., Nebr. (Omaha), Doc. E 1024, *G. B. Graf et al. v. K. E. Erickson Co., Inc.*

1,529,461. Brogden & Trowbridge, Art of preparing fresh fruit for market, C. C. A., 3d Cir., Doc. 3760, *American Fruit Growers, Inc. v. Brogden Co.* Claims 1 to 9, 14 to 18, and 23 to 26, inclusive, held valid and infringed Oct. 7, 1929.

1,529,597. (See 1,244,216.)

1,558,436. I. Langmuir, Electrical discharge apparatus and the process of preparing and using same, C. C. A., 3d Cir., Doc. 3799, *General Electric Co. v. The De Forest Radio Co.* Decree affirmed Oct. 3, 1929.

1,562,787. I. M. Petersime, Incubator, filed July 29, 1929, D. C., Nebr. (North Platte), Doc. E 68, *I. M. Petersime et al. v. R. H. Jandebour (P-V Hatcheries).*

1,566,014. F. L. Johnson, Collapsible tire core; 1,618,153, same, Collapsible tire-building forms, D. C., N. D. Ohio (E. Div.), Doc. 2662, *F. L. Johnson et al. v. The Bridge-seater Machine Co.* Patents held valid and infringed Sept. 13, 1929.

1,567,189. Rebenschied & Mee, Safety-first vision-protecting shield for locomotive engineers; 1,701,958, same, Vision-protecting shield, filed Oct. 14, 1929, D. C., Kans. (Topeka), Doc. 1274-N, *O. H. Rebenschied v. The Atchison, Topeka & Santa Fe Rwy. Co.*

1,600,900. H. E. Marsh, Quarry block-sawing machine, D. C., S. D. Calif. (Los Angeles), Doc. K-104-M, *H. E. Marsh v. The Celite Co.* Dismissed without prejudice Sept. 18, 1929.

1,618,153. (See 1,566,014.)

1,619,753. F. C. Owen, Transformer for electric arc-welding apparatus; 1,654,382, same, Metallic arc-welding apparatus, filed July 26, 1929, D. C., Nebr. (Omaha), Doc. E 1032, *F. C. Owen v. W. E. Shafer et al.*

1,620,587. A. C. Williamson, Plaster composition, filed Oct. 16, 1929, D. C., S. D. N. Y., Doc. E 50/339, *E. D. Coddington Mfg. Co. et al. v. Plaster Arts Corp.*

1,646,490. I. M. Petersime, Oven and drier, filed Aug. 1, 1929, D. C., Nebr. (North Platte), Doc. E 69, *I. M. Petersime & Son v. R. H. Jandebour (P-V Hatcheries).*

1,654,382. (See 1,619,753.)

1,690,558. E. B. Staley, Trailer hitch, filed Oct. 14, 1929, D. C., Wash., N. Div., Doc. 694, *E. B. Staley v. Washington Co-Operative Egg & Poultry Assn. et al.*

1,701,958. (See 1,567,189.)

1,704,069. F. E. Ahearn, Textile fabric for French-cord shoe binding, filed Oct. 17, 1929, D. C., Mass., Doc. E 3171, *Brockton Narrow Fabric Co., Inc. v. Boston Bias Binding Co.*

1,708,466. G. Brandt, Flexible chain, D. C., S. D. N. Y., Doc. E 49/212, *Benrus Watch Case Co., Inc. v. The Monroe Watch Case Co., Inc.* Consent decree for plaintiff Oct. 15, 1929.

Re. 15,866. (See 1,457,153.) T. M. 155,844. (See 1,404,539.) T. M. 162,585. (See 1,404,539.)

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 3, 1929

[Vol. 389. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

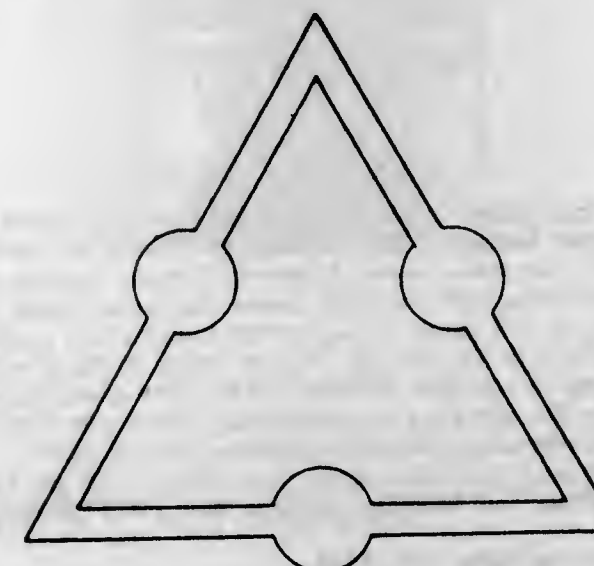
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

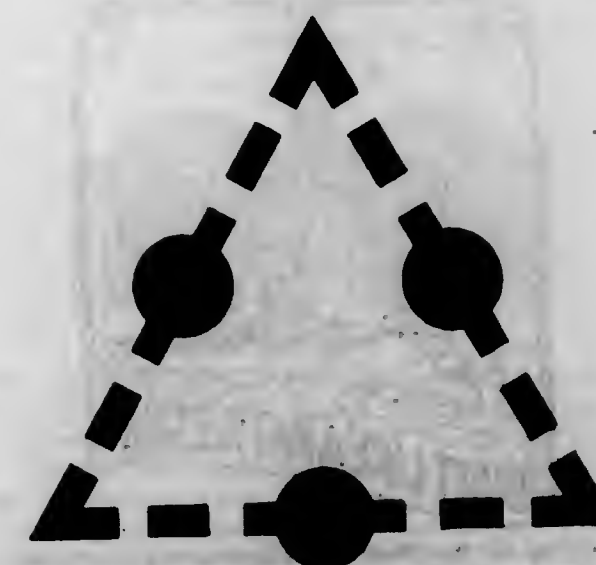
Raw or Partly-Prepared Materials

Ser. No. 270,643. THE NEWPORT COMPANY, Carrollville, Wis. Filed Aug. 6, 1928.



For Rosin.
Claims use since September, 1916.

Ser. No. 270,645. THE NEWPORT COMPANY, Carrollville, Wis. Filed Aug. 6, 1928.



For Rosin.
Claims use since August, 1924.

Ser. No. 271,969. GEORGE M. JENKINS, Hemingford, Nebr. Filed Sept. 6, 1927.

AEROPLANE BRAND



No claim is made to the word "Brand" apart from the mark shown in the drawing.
For Seed Potatoes.
Claims use since December, 1924.

Ser. No. 287,326. THE ARCTIC FUEL COMPANY, Des Moines, Iowa. Filed July 19, 1929.

POLAR BEAR

For Coal.
Claims use since May 1, 1929.

CLASS 2

Receptacles

Ser. No. 274,575. SEXTON CAN COMPANY INCORPORATED, Everett and Boston, Mass. Filed Oct. 30, 1928.



The drawing being lined to indicate green color, no monopoly being claimed for the words "The New, Strong-hoop" and "Ash Can" except in connection with the other features of the mark as shown.
For Sheet-Metal Cans.
Claims use since on or about Oct. 18, 1928.

Ser. No. 283,024. ANCHOR BOX & LUMBER COMPANY, Millvale, Pa. Filed Apr. 26, 1929.



For Wooden Boxes Assembled with Nails for Candy, Steel Products, Batteries, and Meats; Wire-Bound Boxes for Candy, Meats, Steel Products, Etc.; and Grocery Boxes Exclusive of Berry, Fruit, and Vegetable Boxes. Claims use since 1912.

Ser. No. 289,726. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under Section 5b of the act of 1905 as amended in 1920.

Filene's

For Sewing Baskets and Boxes, Bags of Textile Materials for Holding Laundry, and Clothing Hampers and Baskets of Wickerwork, Base-Metal Canteens, Match Safes Not of Precious Metal, Thimble Cases, Base-Metal Flasks, Knapsacks, Fiber Underwear Cases, Bathing-Suit Bags, Collar Boxes, Hatboxes, Soap Boxes, Wastebaskets, Handkerchief Bags, Base-Metal Trinket Boxes, Hosiery Boxes, Shoe Boxes, Make-Up Boxes, Pails, Tin-Spice-Box Sets, Bottle Racks, Tea Caddies.

Claims use since on or about Jan. 1, 1923.

Ser. No. 290,548. CHASE BAG COMPANY, New York, N. Y. Filed Oct. 3, 1929.

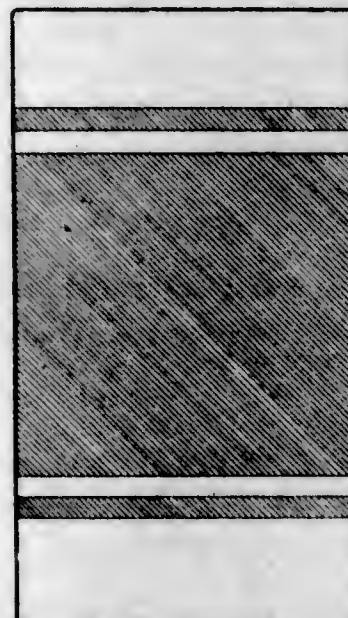


The trade-mark consists of a definite design showing a wide black horizontal band around the center of the bag

and two narrower black horizontal bands around the bag, one above and the other below the center band, the coloring of the bands being achieved either by weaving horizontal strands into the bags in black or by printing the bands on the bags in black.

For Woven or Fabric Mesh Bags Made of Paper Used for Packing and Shipping Potatoes. Claims use since August, 1929.

Ser. No. 290,687. CHASE BAG COMPANY, New York, N. Y. Filed Oct. 5, 1929.



The trade-mark consists of a definite design showing a wide green horizontal band around the center of the bag and two narrower green horizontal bands around the bag, one above and the other below the center band, the coloring of the bands being achieved either by weaving horizontal strands into the bags in green or by printing the bands on the bags in green. The color green is indicated in the drawing accompanying this application by diagonal downward lines running from left to right.

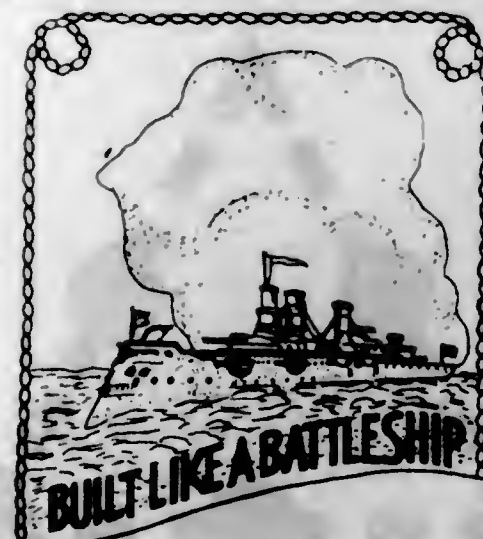
For Woven or Fabric Mesh Bags Made of Paper Used for Packing and Shipping Lemons and All Varieties of Melons.

Claims use since July, 1929.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 271,656. CHARLES J. MAHMAN, Brooklyn, N. Y. Filed Aug. 28, 1928.



The lining on the drawing indicates the color red. For Luggage—Namely, Trunks, Suitcases; Bags—Namely, Traveling Bags, Suitcases, and Week-End Cases. Claims use since May 19, 1925.

Ser. No. 287,296. HAHNE & COMPANY, Newark, N. J. Filed July 18, 1929.



For Valises, Grips, Suitcases, Hand Bags, Hatboxes of Leather and Fabric, and Trunks. Claims use since on or about July 5, 1929.

CLASS 4

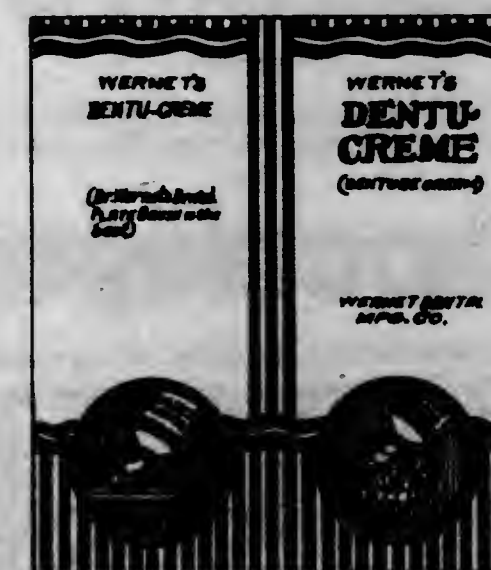
Abrasive, Detergent, and Polishing Materials

Ser. No. 283,271. FLORIAN, INC., Detroit, Mich. Filed Apr. 30, 1929.



The color lining shown on the drawing is used for shading purposes only. For Shaving Cream. Claims use since Nov. 7, 1928.

Ser. No. 285,400. WERNET DENTAL MFG. CO., INC., New York, N. Y. Filed June 10, 1929.



The exclusive right to the representation of the container, the representation of the mode of using the preparation, and all the wording except the words "Wernet's" and "Dentu-" are herein disclaimed apart from the mark shown in the drawing without, however, waiving any common-law rights thereto. The mark under the statutes consists of the depiction upon the drawing of those parts not disclaimed. The lining in the drawing is for the color red. For Preparation for the Cleansing of Artificial Teeth. Claims use since May 10, 1929.

Ser. No. 285,475. SAMUEL HERBSTMAN, doing business as S. H. Products Co., Brooklyn, N. Y. Filed June 12, 1929.



In the drawing the lining in the monogram only represents shading.

For Cleaner of All Materials, Such as Wood, Metal Furniture, Tiles, Clothes, Painted Walls; Shampoo, Hair Cleaner; and for General Cleaning Purposes, Such as Rust Remover for Automobile Motors and Radiators. Claims use since June 7, 1929.

Ser. No. 288,701. FOME-KLEEN, INC., Buffalo, N. Y. Filed Aug. 19, 1929.

FOME-KLEEN

The use of the word "Kleen" apart from the mark as shown is disclaimed for registration purposes.

For Cleaning and Renovating Substance in the Nature of a Paste for Use with or without Water; the Foam Only Being Used Like a Dry-Cleaning Agent. Claims use since Jan. 30, 1929.

Ser. No. 288,828. SETHAC G. EGHIAN, New York, N. Y. Filed Aug. 21, 1929.

4-U

For Dry-Cleaning Fluid. Claims use since July 1, 1929.

Ser. No. 290,647. MASURY-YOUNG COMPANY, Charlestown, Mass. Filed Oct. 9, 1929.

MYCOLEUM

For Preparation for Cleansing and Polishing Linoleum, Tile, and Composition Floors. Claims use since Apr. 1, 1928.

Ser. No. 291,042. AMERICAN DISINFECTING COMPANY, INC., Sedalia, Mo. Filed Oct. 14, 1929.

**ADCO
SUDS**

For Dry Cleaners.
Claims use since June 5, 1929.

Ser. No. 291,311. COLGATE-PALMOLIVE-PEET COMPANY, Chicago, Ill. Filed Oct. 21, 1929.

CHARMIS

For Soap.
Claims use since Sept. 27, 1929.

CLASS 5

Adhesives

Ser. No. 291,424. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Filed Oct. 23, 1929.

BADGER

For Cements Made Wholly or Partly of Rubber.
Claims use since on or about July, 1926.

Ser. No. 291,425. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Filed Oct. 23, 1929.



For Cements Made Wholly or Partly of Rubber.
Claims use since on or about July, 1926.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 273,332. THAYER & CHANDLER, Chicago, Ill. Filed Oct. 3, 1928.

Charlene

For Cleansing Cream, Toilet Creams, Skin Lotion, Bath Powder, Beauty Clay, Toilet Water, Talcum Powder, Face Powder, Shampoo Preparation, Hair Tonic, Hair Dye, Hair-Curling Fluid, and Perfume.
Claims use since May 10, 1928.

Ser. No. 275,878. PHILIP H. WARSHAW, INC., Brooklyn, N. Y. Filed Nov. 26, 1928.



PREZERVAR

Applicant disclaims the right to the exclusive use of the word "Prezervar" apart from the mark shown.
For Hair Tonic.
Claims use since October, 1927.

Ser. No. 280,505. WILL G. LIDLEY, doing business as The Lidley Laboratories, San Francisco, Calif. Filed Mar. 9, 1929.

Chocolagar

For Chocolate-Flavored Emulsion of Agar-Agar and Mineral Oil.
Claims use since Feb. 23, 1929.

Ser. No. 284,689. ANTHONY M. ODOM, JR., doing business as N-I-M-C Laboratories, Memphis, Tenn., assignor to Minnie May La Grone, Blackwell, Okla. Filed May 27, 1929.



For Iron Mineral Compound for Use as a General Tonic and for the Treatment of the Stomach, Kidneys, Bladder;

for Treating Rheumatism, Neuritis, Bed Wetting, Sluggish Liver, Intestinal Trouble, Indigestion, Ulcer of Stomach, Cramps, Colic, Ptomaine Poisoning, Dysentery, Flux, Diarrhea, Pellagra, Sore Throat, Diseased Tonsils, Halitosis, Acid Mouth, Pyorrhea, Sore and Bleeding Gums, Cold and Fever Sores, Toothache, Fresh Cuts, Lacerations, Wounds, Bruises, Sprains, Insect Bites and Stings, Burns, Scalds, Eczema, Skin Eruptions, Tetter, Ringworm, Poison Oak and Ivy, Scabies, Pimples, Ulcers, Bolls, Carbuncles, Old Sores, Hemorrhoids, Piles, Dandruff and Itching Scalp, and Blistered and Tender Feet.
Claims use since Jan. 1, 1929.

Ser. No. 286,642. LABORATORIOS MANUELL S. A., Mexico City, Mexico. Filed July 5, 1929.



For Medicinal Product for the Treatment of Tuberculosis and Other Ailments wherein the Usefulness of Iodine is Universally Acknowledged and Accepted by Physicians—Namely, Syphilis, Actinomycosis, Goiter, Mixedema, Chronic Rheumatism, Arteriosclerosis, and Also Other Sclerosis.
Claims use since January, 1929.

Ser. No. 288,031. O-REN-DA MEDICINE CO., Cleveland, Ohio. Filed Aug. 2, 1929.

O-REN-DA

For Laxative Tonic Medicinal Preparation.
Claims use since Feb. 25, 1929.

Ser. No. 288,392. PARKER RUST-PROOF COMPANY, Detroit, Mich. Filed Aug. 10, 1929.



For Chemical Materials for Conditioning Metal Surfaces Preparatory to Enameling.
Claims use since Mar. 5, 1929.

Ser. No. 288,459. JOSEPH ELMER BRYANT, Los Angeles, Calif. Filed Aug. 13, 1929.



For Preparation for Use in the Treatment of the Hair and Scalp.
Claims use since June 1, 1929.

Ser. No. 288,752. LUBIN PERFUMERY CORPORATION, Wilmington, Del., and New York, N. Y. Filed Aug. 20, 1929. Under 10-year proviso.

LUBIN

For Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Rouge, Face Cream, Lotion for the Skin and Hair, Bath Salts, Brilliantine, Dentifrices.
Claims use since October, 1873.

Ser. No. 289,248. PLEXO PREPARATIONS, INC., New York, N. Y. Filed Aug. 31, 1929.

PLEXOLAN

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Eyebrow and Eyelash Grower, Eyedrops, Hand Lotions, Skin Lotions, Face Powders, Talcum Powders, Sachets, Hair Salves, Hair Elixirs, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Nail Powders, Nail Creams, Nail Bleaches, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salves, Camphor Creams, Foot Powders, Deodorants, Disinfectants, Bay Rum, Perfumes, Toilet Waters, and Medicinal Preparations Having Healing Properties Suitable for Chapped Skin, Rough Skin, Irritated Skin, Abrasions, Pimples, Skin Eruptions, Eczema, Corns, Callouses, Wind Burn, Sunburn, and Similar Ailments.
Claims use since Aug. 28, 1929.

Ser. No. 289,323. REX RESEARCH CORPORATION, Toledo, Ohio. Filed Sept. 4, 1929.

FLY-TOX
(FLAI-TOX)

Applicant is the owner of trade-mark registration No. 218,818, for the word "Fly-Tox."
For Insecticide.
Claims use since July 26, 1929.

Ser. No. 290,137. MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn. Filed Sept. 23, 1929.

NAVAP

For Inhalant for Relieving Head Colds, Nasal Catarrh, and Other Inflammations of the Respiratory Passages. Claims use since Aug. 29, 1929.

Ser. No. 290,143. OSCAR W. PASSENHEIM, doing business as Brighton Chemical Supply Co., Chicago, Ill. Filed Sept. 23, 1929.



For a Disinfectant, Deodorizer, Germicide, Antiseptic, for a Preparation for Repelling Mosquitoes and for a Liquid Inhalant for the Relief of Colds, Grippe, Asthma, Hay Fever, Neuralgia, and Catarrh. Claims use since Apr. 5, 1926.

Ser. No. 290,181. ARNIS JOHNSON, Riceville, Iowa. Filed Sept. 24, 1929.



For Stock Medicine for Use in Preventing Contagious Abortion. Claims use since Sept. 18, 1929.

Ser. No. 290,555. JOSEPH DI SANTO, doing business as Di Santo & Co., Duluth, Minn. Filed Oct. 3, 1929.

MAZZINI

The word "Mazzini" refers to Giuseppe Mazzini, the Italian patriot and statesman, born in Genoa, Italy, on June 22, 1805, and who died in Pisa, Italy, on March 10, 1872. Applicant is the owner of registered Trade-Marks No. 125,333, No. 190,672, No. 227,054, No. 239,506, and No. 258,319.

For Salt. Claims use since June 25, 1929.

Ser. No. 290,565. MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn. Filed Oct. 3, 1929.

HEMATOL

For Mouth Wash. Claims use since July 18, 1929.

Ser. No. 290,605. SCHERING-KAHLBAUM A. G., Berlin, Germany. Filed Oct. 3, 1929.

Eulotropin

For Medicine for the Treatment of Diseases of the Urinary Passages. Claims use since about December, 1922.

Ser. No. 290,628. CHARLES T. TRENGOVE, doing business as Trengove Poultry Farm, Portland, Ore. Filed Oct. 3, 1929.

BUMBLE-FOOT PAD

The words "Foot Pad" are disclaimed apart from the mark shown on the drawing. For Liniment and Antiseptic Pad Combination for Use on Poultry. Claims use since Aug. 15, 1929.

Ser. No. 290,634. WALGREEN CO., doing business as Valentine Laboratories, Inc., Chicago, Ill. Filed Oct. 3, 1929.

ORLIS

For Mouth-Wash Preparation. Claims use since Sept. 11, 1929.

Ser. No. 290,804. THE VASOLEX COMPANY, Wichita, Kans. Filed Oct. 8, 1929.



For Medical Compound for the Rectum and Female Organs. Claims use since Feb. 5, 1929.

Ser. No. 290,837. HOYT'S BROTHERS, INC., Newark, N. J. Filed Oct. 9, 1929.



No claim is made to the words "Quality Products" apart from the mark shown in the drawing. For Rose Disinfectant, Insecticides, Disinfectants, Toilet Water, Perfumes, Florida Water, Face Powder, Rouge, Lip Sticks, Tooth Paste, Styptic Pencils, Tooth and Mouth Wash, Witch-Hazel, Castor Oil, Essence of Peppermint, Extract of Ginger, Baking Powder, Petroleum Jelly, Catarrhal Jelly, Salves for the Treatment of Skin Disorders.

Camphorated Oil, Spirits of Camphor, Peroxide, Foot Powder, Iodine, Alcohol Rub, Mosquito Lotion, Liniments for External Use in Treatment of Muscular Pains and Aches, Rheumatism, Neuralgia, Sprains, and Bruises; Mineral Oil Used Internally as a Lubricant, Castoria, Bronchial Lozenges, Iron Tablets, Charcoal Tablets, Cold Tablets, Digestive Tablets, Headache Tablets, Aspirin Tablets, Pills for Use as a Cathartic and for the Treatment of the Kidneys, Liver, and Stomach; Soda-Mint Pills, Bath Salts, Bay Rum, Cold Cream, Lemon Cream, Massage Cream, Vanishing Cream, Honey and Almond Cream, Glycerine and Rose Water, Brilliantine, Hair Tonic, Hair Pomade, Talcum Powder, Tonic Shampoos, Smelling Salts, Roach Powder, Laxative Tablets, Shaving Lotion, Pine-Tar Syrup, and Perfumed Starch. Claims use since Feb. 16, 1924.

Ser. No. 290,861. SHARP & DOHME, INCORPORATED, Baltimore, Md. Filed Oct. 9, 1929.

PROPADRIN

For Synthetic Alkaloid of Low Toxicity, Administered Orally and Intravenously. It Produces a Sustained Rise in Blood Pressure and Dilatation of the Bronchioles. Claims use since Sept. 28, 1929.

Ser. No. 290,868. AR-Co PRODUCTS, INC., Brooklyn, N. Y. Filed Oct. 10, 1929.

NU-BORA

For Mouth Wash and Breath Deodorant, Particularly Applicable for Vincent's Angina (Trench Mouth), Bleeding Spongy Gums, and Other Oral Diseases. Claims use since June 8, 1929.

Ser. No. 290,937. CENTRAL PHARMACY, INC., Fitzgerald, Ga. Filed Oct. 11, 1929.

BLIS-TO-SOL

A Preparation for Use in the Treatment of Skin Diseases—Namely, Tetter, Eczema, Ringworm, and Other Parasite Skin Diseases. Claims use since Sept. 26, 1929.

Ser. No. 290,938. JULIA C. COBURN, doing business as Coburn Mfg. Co., New York, N. Y. Filed Oct. 11, 1929.

SHUSH-ERS

For Cough Drops. Claims use since on or about Jan. 1, 1929.

Ser. No. 291,060. ROLAND LAWS, doing business as Laws Exterminating Co., Webster Groves, Mo. Filed Oct. 14, 1929.



For Insecticide in Powder Form for Exterminating Cockroaches, Ants, and Fleas; in Liquid Form for Destroying Flies, Moths, Bedbugs, and Mosquitoes; and in Paste Form for Water Bugs, Rats, and Mice. Claims use since Sept. 23, 1929.

Ser. No. 291,214. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Oct. 18, 1929.

RAYNISE

For Product Used for Sizing Artificial Silk. Claims use since July 13, 1929.

Ser. No. 291,229. CHARLES H. MARSHALL, New York, N. Y. Filed Oct. 18, 1929.

JelliLax

For Laxative Preparation. Claims use since on or about Oct. 1, 1929.

Ser. No. 291,254. THE J. R. WATKINS COMPANY, Winona, Minn. Filed Oct. 18, 1929.

OINTMENTOL

For Household Salve for the Treatment of Cuts, Burns, Bruises, Bolls, Chilblains, Piles, Eczema, Sunburn, Poison Ivy, Insect Bites, and Ulcers. Claims use since Sept. 12, 1929.

Ser. No. 291,268. PERCIVAL E. FALKINGHAM, New York, N. Y. Filed Oct. 19, 1929.

LILT

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Eyebrow and Eyelash Grower, Eyedrops, Hand Lotions, Skin Lotions, After-Shaving Lotions, Pomades, Face Powders, Talcum Powders, Sachets, Hair Salves, Hair Mixers, Dan-

druff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentrifices, Tooth Pastes, Nail Powders, Nail Creams, Nail Bleaches, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters. Claims use since May, 1926.

Ser. No. 291,423. ANDERSON-PRICHARD OIL CORPORATION, Oklahoma City, Okla. Filed Oct. 23, 1929.

PETROLUOL

For Petroleum By-Product Cut to Specifications for the Purpose of Replacing the Use of Toluol to the Lacquer and Rubber Industries. Claims use since Aug. 1, 1929.

Ser. No. 291,564. MARGARET S. JOHNSON, Baltimore, Md. Filed Oct. 25, 1929.



For Compound for Promoting the Growth of the Hair. Claims use since Feb. 2, 1927.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 290,298. L. BAMBURGER & Co., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Ash Receivers, Smoking Sets, Humidors, Cigar and Cigarette Cases and Holders, Tobacco Pouches, and Smoking Pipes. Claims use since July, 1924.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 286,196. REEVES, PARVIN & Co., Philadelphia, Pa. Filed June 26, 1929.



For Matches. Claims use since 1925.

Ser. No. 291,558. FEDERAL CARTRIDGE CORPORATION, Minneapolis, Minn. Filed Oct. 25, 1929.



For Shot Shells. Claims use since Jan. 1, 1924.

CLASS 10.

Fertilizers.

Ser. No. 289,420. SALBERGWERK NEU-STASSFURT, Stassfurt, Germany. Filed Sept. 6, 1929.

Neutrammonka

For Fertilizers. Claims use since Nov. 10, 1928.

CLASS 11

Inks and Inking Materials

Ser. No. 286,733. GEO. D. BARNARD STATIONERY COMPANY, St. Louis, Mo. Filed July 8, 1929.

BLUEBONNET

For Typewriter Ribbons and Carbon Papers. Claims use since Nov. 4, 1926.

Ser. No. 287,702. D. GESTEINER LIMITED, London, England. Filed July 26, 1929.

GESTESCRIP

For Stencil Inks. Claims use since Dec. 15, 1928.

Ser. No. 290,604. H. D. ROSEN COMPANY, New York, N. Y. Filed Oct. 3, 1929.

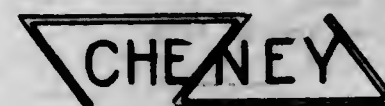
Rooco

For Printing, Lithographing, and Stencilling Inks; Varnishes for Printing; and Dry Colors for Printing, Lithographing, and Stencilling, for Use in Printing. Claims use since July, 1929.

CLASS 12

Construction Materials

Ser. No. 280,167. THE CHENEY COMPANY, Melrose, Mass. Filed Mar. 2, 1929.



For Sheet-Metal Flashing. Claims use since Oct. 1, 1928.

Ser. No. 283,301. CLARENCE J. RICHARDS, Los Angeles, Calif. Filed Apr. 30, 1929.



The representation of the goods is disclaimed apart from the mark as shown on the drawing. For Roofs, Roofing Boards, Fibre Shingles, Roof Tile, Roofing Paper, Asphalt Shingles, Composition Shingles, Plastic Roofing Materials, and Prepared Roofing. Claims use since April 24, 1929.

Ser. No. 286,030. CHEMISCHE FABRIK GRUNAU LANDS-HOFF & MEYER AKTIENGESELLSCHAFT, Grunau, Germany. Filed June 24, 1929.

„Zementon“

For Preparations for Hardening Cement and Increasing its Resistance to Water and Weak Acids. Claims use since June 1, 1919.

Ser. No. 287,212. SWICHERT, HART & YETT, INC., Portland, Oreg. Filed July 16, 1929.

TRANSITE CONCRETE

The use of the word "Concrete" is disclaimed apart from the mark shown in the drawing. For Concrete. Claims use since July 9, 1929.

Ser. No. 287,910. COLPROVIA ROADS, INC., New York, N. Y. Filed July 31, 1929.



For Paving Aggregate Coated with Bitumen. Claims use since July 9, 1929.

389 O. G.—2

Ser. No. 289,004. CALIFORNIA STUCCO PRODUCTS COMPANY OF MISSOURI, Kansas City, Mo. Filed Aug. 26, 1929.

KROMWAX

Exclusive right to the use of the word "Wax" is disclaimed apart from the mark as shown. For Composition Wax for Stucco Walls. Claims use since May 3, 1929.

Ser. No. 290,652. CONCRETE MARBLE COMPANY, St. Louis, Mo. Filed Oct. 4, 1929.

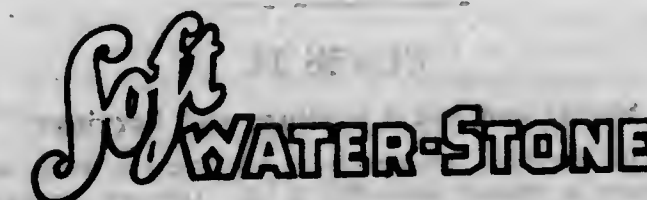
MARCROME

For Precast Concrete Marble Product for Building and Decorative Purposes. Claims use since Sept. 28, 1929.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 263,801. JAMES W. VAN METER, San Francisco, Calif. Filed Mar. 27, 1928.



The words "Soft Water," apart from the mark as shown, are hereby disclaimed for registration purposes. For Domestic Water-Softening Cells for Attachment to Plumbing Fixtures. Claims use since Feb. 2, 1928.

Ser. No. 285,196. COMPAGNIE GENERALE D'ELECTRICITE, Paris, France. Filed June 7, 1929.

IVREY

For Nails, Bolts, and Screws. Claims use since Aug. 29, 1928.

Ser. No. 289,782. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1906, as amended in 1920.



For Drinking Cups, Mugs, Chalice, Porringers, Urns, Basins, Funnels, Platters, Teapots, Teakettles, Coffee-pots, Mustard Pots, Sugar-Bowls, Pitchers, Crumblers, Candy Compotes, Vegetable Dishes, Bread Plates, Made of Non-precious Metals. Claims use since on or about Jan. 1, 1928.

Ser. No. 290,600. READING IRON COMPANY, Reading, Pa.
Filed Oct. 3, 1929.



No claim is made to the exclusive use of the representation of a piece of pipe apart from the mark as shown in the drawing, the trade-mark consisting of a spiral line or marking arbitrarily disposed on the exterior of the pipe, said marking being made by a series of indentations in the metal.

For Metal Tubing Including Wrought-Iron Pipe.
Claims use since Mar. 15, 1925.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 290,163. WILBUR-ELLIS CO., Seattle, Wash., assignor to Evrard Havenith & Co., Antwerp, Belgium.
Filed Sept. 23, 1929.



For Steel Bars, Angle Irons, Rails, and Steel Plate.
Claims use since May 1, 1929.

Ser. No. 291,579. RUSTLESS IRON CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 25, 1929.

RICA

For Iron and Steel.
Claims use since Aug. 9, 1929.

Ser. No. 291,581. RUSTLESS IRON CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 25, 1929.

DEFIHEAT

For Iron and Steel.
Claims use since Aug. 9, 1929.

Ser. No. 291,582. RUSTLESS IRON CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 25, 1929.

DEFISTAIN

For Iron and Steel.
Claims use since Aug. 13, 1929.

Ser. No. 291,583. RUSTLESS IRON CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 25, 1929.

DEFIRUST

For Iron and Steel.
Claims use since Aug. 13, 1929.

CLASS 15

Oils and Greases

Ser. No. 283,298. THE PURE OIL COMPANY, Chicago, Ill.
Filed Apr. 30, 1929.

POCO PEP

For Hydrocarbon Motor Fuel Oils and Lubricating Oils and Greases.
Claims use since Apr. 17, 1929.

Ser. No. 287,124. THE EAGLE LIQUID GAS & OIL COMPANY, INC., Cincinnati, Ohio. Filed July 15, 1929.

DECCO

For Lubricating Oils and Greases, Motor Fuel Oils, and Kerosene.
Claims use since on or about May 15, 1925.

Ser. No. 287,503. STANAVO SPECIFICATION BOARD, New York, N. Y. Filed July 22, 1929.



For Lubricating Oils and Greases and Motor Fuel Oils.
Claims use since July 13, 1929.

Ser. No. 289,203. THE PURE OIL COMPANY, Chicago, Ill.
Filed Aug. 30, 1929.

PURO-PEP

For Hydrocarbon Motor Fuels, Lubricating Oils, and Lubricating Greases.
Claims use since July 13, 1929.

Ser. No. 289,204. THE PURE OIL COMPANY, Chicago, Ill.
Filed Aug. 30, 1929.

PUROL-PEP

For Hydrocarbon Motor Fuels, Lubricating Oils, and Lubricating Greases.
Claims use since July 13, 1929.

Ser. No. 290,081. THE RAJAH OIL & REFINING COMPANY, Youngstown, Ohio. Filed Sept. 20, 1929.

"LIQUID POWER"

For Gasoline.
Claims use since Aug. 23, 1929.

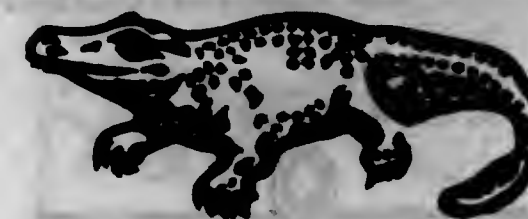
Ser. No. 290,546. CALUMET REFINING CO., Chicago, Ill.
Filed Oct. 3, 1929.

FARCOLINE

For Lubricating Oils.
Claims use since Mar. 28, 1929.

Ser. No. 290,626. STANDARD OIL COMPANY OF BRAZIL, Fairmont, W. Va. Filed Oct. 3, 1929.

JACARÉ



For Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both with and without Admixture of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes, and Lubricating Greases.
Claims use since Dec. 27, 1921.

CLASS 16

Paints and Painters' Materials

Ser. No. 290,641. JOHN H. WITTE & SONS, Burlington, Iowa. Filed Oct. 3, 1929.

Neu-lac

The word "Lac" is disclaimed apart from the mark as shown on the drawing.
For Quick-Drying Enamel.
Claims use since May 1, 1929.

Ser. No. 291,185. VALENTINE & COMPANY, New York, N. Y. Filed Oct. 17, 1929.



The drawing is lined to indicate the colors black, lavender, blue, and red, which are claimed as features of the mark, no claim being made to the representation of a label.
For Ready-Mixed Paints.
Claims use since Sept. 20, 1929.

CLASS 17

Tobacco Products

Ser. No. 288,520. HARRY HANDLER, St. Louis, Mo. Filed Aug. 14, 1929.



The words "Cigarettes" and "Better Than Par All-Ways" are hereby disclaimed by applicant except in the association shown.

For Cigarettes.
Claims use since Aug. 1, 1929.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 283,580. **ERNEST F. LEVEE**, doing business as The Seealite Sales Company, Cleveland, Ohio. Filed June 14, 1929.

SEEALITE

For Traffic-Light Reflector Mirror for Automobiles.
Claims use since May 1, 1929.

Ser. No. 289,724. **WM. FILENE'S SONS COMPANY**, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905, as amended in 1920.

Filene's

For Bicycles, Baby Carriages, Gocarts.
Claims use since on or about Jan. 1, 1928.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 272,785. **SOCRATES A. XIPPAS**, doing business as S.A.X. Safe T Fan Corporation, Buffalo, N. Y. Filed Sept. 21, 1928.



The words "Left, Rite, and Safe T Signal" and the representations of an arrow are disclaimed apart from the mark as shown.

For Electric Stop and Direction Signal-Light Apparatus for Vehicles.

Claims use since on or about June 30, 1928.

Ser. No. 282,015. **SUN-GLO NEON CORPORATION**, Fort Worth, Tex. Filed Apr. 8, 1929.



No claim is made for the words "Neon Tube Products" apart from the mark shown in the drawings.

For Luminescent Tubes, Being Gas-Filled Tubes Supplied with a Current of Electricity and Used in Display Signs, and Luminescent Tube Products Consisting of Supports for Luminescent Gas-Filled Tubes, High-Tension Insulators, Electrode Housings.

Claims use since Sept. 1, 1928.

Ser. No. 284,474. **LIDMAN-SPANJER CORPORATION**, New York, N. Y. Filed May 22, 1929.

LOBBYTONE

For Display Advertising Device Consisting of a Moving Figure and a Phonograph Attachment Actuated by an Electric Motor.

Claims use since May 16, 1929.

Ser. No. 287,310. **RAYTHON PRODUCTION CORPORATION**, Newton, Mass. Filed July 18, 1929.

RAYX

For Vacuum Tubes and Valves.
Claims use since Oct. 6, 1928.

Ser. No. 290,612. **SEARS, ROEBUCK AND CO.**, Chicago, Ill. Filed Oct. 3, 1929.

Commander

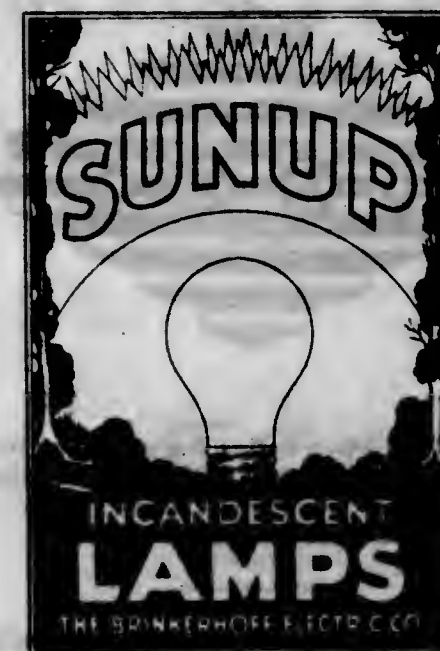
For Electric Vacuum Cleaners.
Claims use since Aug. 2, 1929.

Ser. No. 290,618. **SEARS, ROEBUCK AND CO.**, Chicago, Ill. Filed Oct. 3, 1929.

Commander Jr.

For Electric Vacuum Cleaners.
Claims use since Aug. 2, 1929.

Ser. No. 290,814. **THE BRINKERHOFF ELECTRIC COMPANY**, West New York, N. J. Filed Oct. 9, 1929.



No claim being made to the words "Incandescent lamps" or to the representation of an incandescent lamp apart from the mark shown.

For Incandescent Electric Lamps.

Claim use since Sept. 2, 1929.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 283,838. **ALBERT O. PETTIT**, Newark, N. J. Filed May 11, 1929.

R-34

For Puzzle.
Claims use since July, 1919.

Ser. No. 289,745. **THE HORTON MANUFACTURING COMPANY**, Bristol, Conn. Filed Sept. 13, 1929.



The lining appearing is for shading purposes only. Applicant is the owner of registered Trade-Marks Nos. 50,916 and 157,960.

For Steel Shafts for Golf Clubs.

Claims use since July 1, 1929.

Ser. No. 289,916. **WILLIAM H. BURKIN**, St. Louis, Mo. Filed Sept. 18, 1929.



For Card Games.
Claims use since Aug. 27, 1929.

Ser. No. 290,610. **SEARS, ROEBUCK AND CO.**, Chicago, Ill. Filed Oct. 3, 1929.

BOYCRAFT

For Toys—Namely, Boys' and Girls' Wagons, Dump Trucks, Steam Shovels, and Aerial Trucks.
Claims use since Aug. 28, 1929.

Ser. No. 290,615. **SEARS, ROEBUCK AND CO.**, Chicago, Ill. Filed Oct. 3, 1929.

MOVIE KING

For Toy Moving-Picture Machines.
Claims use since Aug. 21, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 280,127. **LEO LEVY**, New York, N. Y. Filed Mar. 1, 1929.

ALUSIL

For Piston Heads for Explosion Motors, Pressure and Vacuum Pumps.
Claims use since Dec. 13, 1928.

Ser. No. 281,826. **GLOBE AUTOMATIC SPRINKLER COMPANY**, Philadelphia, Pa. Filed Apr. 4, 1929.

SAVEALL

For Systems for the Automatic Control of Fire Doors, Windows, Ventilators, and Sash, Comprising a System of Piping and Tubing as a Connecting Medium Between a Heat-Responsive Device Placed Where Fire is Liable to Break Out, and Mechanism Placed at the Source of Extinguishing Agents to Operate Said Agents, All of a Mechanical Nature.
Claims use since Oct. 12, 1928.

Ser. No. 282,180. WARE HOLLINGSWORTH, doing business as Atlas Sales Company, Oakland, Calif. Filed Apr. 10, 1929.

BIG BEAR

For Hydraulic Automobile Lifts.
Claims use since Sept. 20, 1927.

Ser. No. 282,792. RAYMOND A. REID, doing business as Reid-Way Company, Cedar Rapids, Iowa. Filed Apr. 22, 1929.

REID-WAY

For Sanding Machines, Polishers, and Grinders, Used for Sanding Wood and Grinding and Polishing Metal.
Claims use since on or about Sept. 1, 1926.

Ser. No. 283,372. THEODORE F. BORST, doing business as The American Forestry Company, Framingham Center, Mass. Filed May 2, 1929.



For Garden Tools—Namely, Garden Sets Comprising Spade, Spading Fork, Socket Hoe, and Steel Rake, and Lawn Mowers, Shovels and Spades, Rakes, Trowels, Hoes, Turf Edgers, Forks, Cultivators, Saws, Dibbles, Mattocks, Hooks, Mechanical Sprinklers and Sprayers, Spray Pumps, Dusting Guns.

Claims use since 1923.

Ser. No. 283,375. THEODORE F. BORST, doing business as The American Forestry Company, Framingham Center, Mass. Filed May 2, 1929.

Little Tree

For Garden Tools—Namely, Garden Sets Comprising Spade, Spading Fork, Socket Hoe, and Steel Rake, and Rakes, Trowels, Hoes, Lawn Mowers, Shovels and Spades, Turf Edgers, Forks, Cultivators, Saws, Dibbles, Mattocks, Hooks, Mechanical Sprinklers and Sprayers, Spray Pumps, Watering Pots, Dusting Guns.
Claims use since 1915.

Ser. No. 283,946. The DETROIT BORING BAR COMPANY, Detroit, Mich. Filed May 13, 1929.



For Expansion-Cutter Boring Bars, Reamer Bars, Counterbores, Bars for Core Drilling, Multiple-Cutter Milling Heads, and Cutters for Facing.
Claims use since Mar. 26, 1929.

Ser. No. 283,987. ROBERT B. COATES, Washington, D. C. Filed May 14, 1929.

TELO-AD

For Mechanical Advertising Device Consisting Principally of a Steel Roller Member Employed for Personal References of Listed Telephone Numbers and Adapted to be Attached to the Telephone-Receiver Post.
Claims use since May 1, 1929.

Ser. No. 289,852. THE TELEVATOR CORPORATION, New York, N. Y. Filed Sept. 16, 1929.

TELEVEYOR

For Portable Dumb-Walters.
Claims use since Aug. 15, 1929.

Ser. No. 290,168. WILLIAMS BROS. CO., Philadelphia, Pa. Filed Sept. 23, 1929.



The lining upon the drawing indicates the color red.
For Piston.
Claims use since Nov. 30, 1928.

Ser. No. 290,401. GENERAL IMPLEMENT COMPANY, Racine, Wis. Filed Sept. 30, 1929.

PULVER-PLOW

No claim is made for the word "Plow" apart from the trade-mark as shown on the drawing.
For Plows.
Claims use since Apr. 25, 1929.

Ser. No. 290,543. CLAUDE S. BRISTOW, Toledo, Ohio. Filed Oct. 3, 1929.



For Carburetors and Attachments.
Claims use since Mar. 22, 1929.

Ser. No. 290,888. CURTISS AEROPLANE AND MOTOR COMPANY, INC., Garden City and Buffalo, N. Y. Filed Oct. 10, 1929.

Crusader

For Internal-Combustion Motors.
Claims use since Aug. 1, 1929.

Ser. No. 290,961. THE LIMITORQUE CORPORATION, New York, N. Y. Filed Oct. 11, 1929.

LIMITORQUE

For Automatic Valve Closing and Opening Machines.
Claims use since Oct. 15, 1928.

Ser. No. 291,520. E. MORRIS MFG. CO., Detroit, Mich. Filed Oct. 24, 1929.

Skilcraft

For Razors and Shears.
Claims use since May 1, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 287,806. I. G. FARBEINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany. Filed July 29, 1929.



For Photographic Cameras, Projectors, Stereoscopes, and Lenses Therefor; Sensitized Photographic Films and Plates, Photographic Transparencies, Photographic Color Filters and Holders Therefor, Photographic Lens Mounts, Photographic Focusing Screens and Stands Therefor, Photographic View Finders, Photographic Shutters and Timers and Releases Therefor, Holders and Adapters for Sensitized Photographic Films and Plates, Camera-Carrying Cases, Tripods and Tripod Fittings, Radiometers, Hydrometers, Photographic Dark-Room Lamps, Photographic Developing Tanks, and Sensitized Photographic Papers.
Claims use since about Dec. 20, 1928.

Ser. No. 290,765. UFA FILMS, INCORPORATED, New York, N. Y. Filed Oct. 7, 1929.



No claim being made to the word "UFA" except as used in conjunction with the other features of the mark.
For Motion-Picture Photoplays.
Claims use since Sept. 5, 1929.

Ser. No. 290,766. UFA FILMS, INCORPORATED, New York, N. Y. Filed Oct. 7, 1929.



No claim being made to the word "UFA" except as used in conjunction with the other features of the mark. For Motion-Picture Photoplays. Claims use since Sept. 5, 1929.

Ser. No. 290,767. UFA FILMS, INCORPORATED, New York, N. Y. Filed Oct. 7, 1929.



No claim being made to the word "UFA" except as used in conjunction with the other features of the mark. For Motion-Picture Photoplays. Claims use since Sept. 5, 1929.

Ser. No. 291,418. TECHNICOLOR MOTION PICTURE CORPORATION, Boston, Mass. Filed Oct. 22, 1929.

TECHNICOLOR

For Motion-Picture Films. Claims use since November, 1922.

CLASS 27.

Horological Instruments.

Ser. No. 289,719. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended in 1920.

Filene's

For Sun Watches, Watches, and Clocks. Claims use since on or about Jan. 1, 1928.

Ser. No. 290,292. L. BAMBERGER & CO., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Clocks and Watches. Claims use since July, 1924.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 278,870. FRANK F. EMPSON, LTD., Birmingham, England. Filed Feb. 4, 1929.

NOTUS

For Brooches, Hat Ornaments, Necklets, Fobs, Dress Ornaments, Scarf Rings, Scarfpins, Barrings, Shoe Ornaments, Hair Slides, Hair Ornaments, Bangles, Bracelets, Wristlets, Safety Pins, Necklet Clasps, Bag Ornaments, Pendants, Badges, Finger Rings, Buckles, and Slides, All Made Wholly or in Part of Precious Metals. Claims use since May 2, 1923.

Ser. No. 289,113. THE HOMAN MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Aug. 28, 1929.

HYGI-SEAL

For Precious-Metal Beverage Shakers. Claims use since Aug. 12, 1929.

Ser. No. 290,353. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

RADIANT LOVE

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,354. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

GIFT O' LOVE

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,355. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

MY DREAM GIRL

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,356. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

SONG O' LOVE

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,357. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

LOVE FOREVER

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,358. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

BOUQUET O' LOVE

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,361. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

GUARDSMAN

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,362. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

COURTSHIP

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

Ser. No. 290,363. BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y. Filed Sept. 28, 1929.

SPARTAN

For Finger Rings and Mountings Therefor. Claims use since Sept. 26, 1929.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 289,718. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended in 1920.

Filene's

For Fur Brushes, Shoe Brushes, Hairbrushes, Hat Brushes, Whisk Brooms, Clothes Brushes, Toothbrushes, Shaving Brushes, Eyebrow Brushes, Nailbrushes, Complexion Brushes, Shampoo Brushes, and Bonnet Brushes. Claims use since on or about Jan. 1, 1928.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 270,351. FRED C. REIMER CO., INC., New York, N. Y. Filed July 30, 1928.

OLD KNIGHT-HOOD CHINA



No rights are asserted to the exclusive use of the word "China" apart from the mark as shown in the drawing. For Chinaware. Claims use since February, 1928.

CLASS 31

Filters and Refrigerators

Ser. No. 291,878. THE MAINE MANUFACTURING COMPANY, Nashua, N. H. Filed Oct. 28, 1929.

PILGRIM ICE-SAVER

Applicant does not assert any exclusive right to the words "Ice-Saver" except in connection with the mark as shown. For Refrigerators. Claims use since July 12, 1929.

CLASS 32

Furniture and Upholstery

Ser. No. 283,050. PEERLESS RUBBER COMPANY, Chicago, Ill. Filed Apr. 26, 1929.

"PARADOWN"

For Sponge-Rubber Products—Namely, Cushioning Units Used as Constituents of Seat Cushions, of Kneeling Pads, and of Upholstery Fillers.
Claims use since Apr. 2, 1929.

Ser. No. 283,051. PEERLESS RUBBER COMPANY, Chicago, Ill. Filed Apr. 26, 1929.

"RUBBER DOWN"

The trade-mark consists of the words "Rubber Down," no claim of exclusive rights being made to the word "Rubber" apart from the mark shown.

For Sponge-Rubber Products—Namely, Cushioning Units Used as Constituents of Seat Cushions, of Kneeling Pads, and of Upholstery Fillers.
Claims use since Apr. 2, 1929.

Ser. No. 290,979. SOUTHERN SPRING BED COMPANY, Atlanta, Ga. Filed Oct. 11, 1929.

SPRINGTIME

For Mattresses, Beds, and Springs.
Claims use since Oct. 4, 1929.

Ser. No. 291,404. PERDUE FURNITURE CO., Atlanta, Ga. Filed Oct. 22, 1929.

CHIFFAPHONE

For Article of Furniture Which is a Combination of a Chiffonade and Container for Victrola, Radio, Etc.
Claims use since Aug. 1, 1929.

CLASS 33

Glassware

Ser. No. 288,301. ISO GESELLSCHAFT M. B. H., Frankfurt-on-the-Main, Germany. Filed Aug. 8, 1929.

Isoamp

For Glass Ampullas.
Claims use since Jan. 12, 1925.

Ser. No. 290,621. STANCO INCORPORATED, New York, N. Y. Filed Oct. 3, 1929.

Mistol

For Empty Glass Bottles.
Claims use since June 19, 1929.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not Including Electrical Apparatus

Ser. No. 277,279. BRIDGEPORT BRASS COMPANY, Bridgeport, Conn. Filed Dec. 28, 1928. Under 10-year proviso.

"Search-Light"

For Gas Lanterns for Automobiles, Carriages, and Bicycles.
Claims use since on or about Jan. 1, 1894.

Ser. No. 281,342. CARRIER ENGINEERING CORPORATION, Newark, N. J. Filed Mar. 26, 1929.

Carrier

For Air Conditioning and Drying, Ventilating, Heating, Cooling, Humidifying, and Dehumidifying Apparatus and Systems, Unit Air Conditioners, and Air Washers, Ducts, Outlets, Doors, Fans, Ejector Heaters, Pot Strainers and Control Devices and Panels Therefor.
Claims use since 1916.

Ser. No. 281,343. CARRIER ENGINEERING CORPORATION, Newark, N. J. Filed Mar. 26, 1929.



For Air Conditioning and Drying, Ventilating, Heating, Cooling, Humidifying and Dehumidifying Apparatus and Systems, Unit Air Conditioners, and Air Washers, Ducts, Outlets, Doors, Fans, Ejector Heaters, Pot Strainers and Control Devices and Panels Therefor.
Claims use since Jan. 15, 1918.

Ser. No. 289,402. J. PARKER B. FISKE, Boston, Mass. Filed Sept. 6, 1929.

OIL-GAS AT THE COST OF COAL

For Gas Burners, Oil Burners, Furnaces, Boilers, Heaters, and Parts Thereof, Preferably Employing Hydrocarbon Fuel.

Claims use since Aug. 30, 1929. Applicant is the owner of prior trade-mark registrations as follows: No. 261,191, issued Sept. 10, 1929; No. 261,192, issued Sept. 10, 1929; No. 261,358, issued Sept. 17, 1929.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 284,321. IVAN C. BELL, doing business as I. C. Bell Manufacturing Company, Dallas, Tex. Filed May 20, 1929.



For Articles Molded from Rubber and Rubber Compound—Namely, Rubber Packings, Rubber Packing Cups, Rubber Packing Rings.
Claims use since Apr. 8, 1928.

Ser. No. 290,892. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Filed Oct. 10, 1929.

SUPER-CYCLE

No claim is made to the exclusive use of the word "Cycle" apart from the mark as shown.
For Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since Sept. 4, 1929.

Ser. No. 290,902. McQUAY-NORRIS MANUFACTURING COMPANY, St. Louis, Mo. Filed Oct. 10, 1929.

DOUBLE VENTILATED Superoyl

No claim is made to the words "Double Ventilated" appearing on the drawing, apart from the trade-mark as shown.

For Piston Rings.
Claims use since Sept. 28, 1929.

CLASS 37

Paper and Stationery

Ser. No. 282,909. BUCHAN TELEPHONE RECORDS COMPANY, Philadelphia, Pa. Filed Apr. 24, 1929.



The words "Solleather Binder" are disclaimed apart from the mark as shown.

For Loose-Leaf Binders, Covers for Loose-Leaf Binders, and Loose-Leaf Forms.
Claims use since May, 1925.

Ser. No. 286,883. HAMMERMILL PAPER COMPANY, Erie, Pa. Filed July 10, 1929.

MANAGEMENT

For Bond Writing Paper.
Claims use since June 21, 1929.

Ser. No. 289,035. KARL K. MORRIS, Cleveland, Ohio. Filed Aug. 26, 1929.

COLLATOR

For Paper Bond and Coupon Filing Folders.
Claims use since Mar. 10, 1926.

Ser. No. 290,100. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y. Filed Sept. 21, 1929.

UNIVERSAL COVERS

No claim is made to the word "Covers" apart from the mark as shown.
For Cover Paper.
Claims use since 1903.

Ser. No. 290,638. L. E. WATERMAN COMPANY, New York, N. Y. Filed Oct. 3, 1929.

patrician

For Fountain Pens and Mechanical Pencils.
Claims use since Sept. 14, 1929.

Ser. No. 290,927. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Oct. 11, 1929.

AUTOFORM

For Plain, Lithographed, and Printed Paper Strips, Leaves, and Sheets for Use in Manifold Registers, in Typewriters, and in Other Machines.
Claims use since about Sept. 28, 1929.

Ser. No. 290,963. PENINSULAR PAPER COMPANY, Ypsilanti, Mich. Filed Oct. 11, 1929.

HUTONE

For Book Paper and Cover Paper.
Claims use since Sept. 15, 1928.

Ser. No. 291,167. FRED J. KLINE, doing business as American Clip Company, Long Island City, N. Y. Filed Oct. 17, 1929.

LUXFILE

For Loose-Leaf Binders, Folders for Binding and Holding Papers, Pamphlets, or Books, Desk Files, Clip Files, and Paper Fasteners.
Claims use since Sept. 12, 1929.

Ser. No. 291,290. OLD COLONY ENVELOPE COMPANY, Westfield, Mass. Filed Oct. 19, 1929.

LOHENGGRIN

For Writing and Printing Papers and Mailing Envelopes and Paper and Cards for Wedding, Greeting, and Announcement Purposes.

Claims use since Apr. 1, 1928.

CLASS 38

Prints and Publications

Ser. No. 276,241. ALPHA SIGMA LAMBDA NATIONAL FRATERNITY, Chicago, Ill. Filed Dec. 4, 1928.

AΣ

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For Publications Issued Quarterly.
Claims use since Dec. 27, 1917.

Ser. No. 289,142. THE AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, Tulsa, Okla. Filed Aug. 29, 1929.

BULLETIN of the

American Association of Petroleum Geologists

For Monthly Publication of Scientific Papers.
Claims use since Feb. 16, 1918.

Ser. No. 289,612. MATTHEW BENDER & COMPANY, INC., Albany, N. Y. Filed Sept. 11, 1929.

White on Corporations

For Series of New York Corporation Statutes, Annotations, or Forms.
Claims use since 1894.

Ser. No. 290,149. GEORGE M. SATTERFIELD, Lakewood, Ohio. Filed Sept. 23, 1929.

REMEMBER WHEN?

For Cartoons.
Claims use since Sept. 1, 1929.

Ser. No. 290,622. STANCO INCORPORATED, New York, N. Y. Filed Oct. 3, 1929.

Mistol

For Printed Labels.
Claims use since June 19, 1929.

Ser. No. 290,645. AUFENGER STUDIOS INCORPORATED, Norfolk and Roanoke, Va. Filed Oct. 4, 1929.

Aufenger

The mark is the signature of Richard Aufenger, deceased, the predecessor of the applicant.
For Photographs, Photographic and Oil Paintings.
Claims use since Mar. 10, 1921.

Ser. No. 290,678. WISCONSIN STATE CHAMBER OF COMMERCE, Madison, Wis. Filed Oct. 4, 1929.

On, WISCONSIN!

For Periodicals, Particularly Magazines.
Claims use since Sept. 3, 1929.

Ser. No. 290,706. ELLEN ELLA KOPPELUD, doing business as Bowler's News and Amateur Sports Publishing Company, Milwaukee, Wis. Filed Oct. 5, 1929.

**BOWLER'S NEWS
and
AMATEUR SPORTS**

For Magazine.
Claims use since Apr. 5, 1929.

Ser. No. 290,936. CARSON PIRIE SCOTT & Co., Chicago, Ill. Filed Oct. 11, 1929.

Chicago Market News

For Monthly Publication Devoted to Market News and Other Interests.
Claims use since Sept. 23, 1929.

Ser. No. 290,988. ALEXANDER-BALART Co., San Francisco, Calif. Filed Oct. 12, 1929.

**The
CUP OF CHEER**

For Monthly Magazine.
Claims use since July 1, 1926.

Ser. No. 290,997. DOUBLEDAY, DORAN & COMPANY, INC., Garden City, N. Y. Filed Oct. 12, 1929.


**A GOLDEN ARROW
ROMANCE**

For Completely-Printed Publications.
Claims use since July 12, 1929.

Ser. No. 290,998. DOUBLEDAY, DORAN & COMPANY, INC., Garden City, N. Y. Filed Oct. 12, 1929.

**ENDS OF THE EARTH
ADVENTURES**

For Completely-Printed Publications.
Claims use since July 19, 1929.

Ser. No. 291,080. BUNTON BIGELOW, INC., Buffalo, N. Y. Filed Oct. 15, 1929.

the MARKETEER

For Pamphlet Published Monthly.
Claims use since Feb. 18, 1929.

Ser. No. 291,195. MAREDDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Oct. 17, 1929.

Successful Farming The Dairy Farmer

For Monthly Publication.
Claims use since September, 1929.

Ser. No. 291,231. THE MILLER PUBLISHING COMPANY, Minneapolis, Minn. Filed Oct. 18, 1929.

FEEDSTUFFS

For Weekly Newspaper.
Claims use since May 18, 1929.

Ser. No. 291,232. NATIONAL HOME & SCHOOL ASSOCIATION, Chicago, Ill. Filed Oct. 18, 1929.


The Rainbow Edition

No claim being made to the words "The" and "Edition" apart from the mark as shown. The lining in the representation of the rainbow indicates the various colors in the spectrum, and the lining of the coils indicates the color yellow.

For Printed Books Published from Time to Time.
Claims use since June 1, 1928.

CLASS 39

Clothing

Ser. No. 281,056. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Mar. 20, 1929.

**THE FAMOUS EIGHT
8**

For Shoes Made of Leather and Fabric and Combinations of Leather, Rubber, and Fabric.
Claims use since Feb. 14, 1929.

Ser. No. 286,143. OTTO WHITE, doing business as White's Shoe Shop, Spokane, Wash. Filed June 25, 1929.



Right to the exclusive use of the words "Arch Ease" and to the pictorial representation of a boot is disclaimed apart from the showing in the drawing.

For Leather Shoes for Men, Women, and Children.
Claims use since May 27, 1927.

Ser. No. 287,139. JULIUS GOLDSTEIN & SONS, Boston, Mass. Filed July 15, 1929.



For Leather Shoes and Felt Slippers.
Claims use since Jan. 10, 1929.

Ser. No. 287,322. J. N. ADAM & Co., Buffalo, N. Y. Filed July 19, 1929.



The applicant disclaims the right to the exclusive use of the words "Shoe, Correct Fashion," and "Correct Fit" apart from the mark shown.

For Boots and Shoes of Leather, Canvas, or Fabric or Combinations Thereof.
Claims use since Jan. 14, 1929.

Ser. No. 288,633. L. RAMBERGER & Co., Newark, N. J. Filed Aug. 17, 1929.

Super-Saving!

For Men's, Women's, Misses', and Children's Hats; Shoes of Leather, Calfskin, Satin, Brocade, and Kid; Slippers of Leather, Felt, and Wool; Raincoats, Rubbers, Overshoes of Rubber, Sandals of Rubber, Riding Boots of Leather, Puttees; Fabric, Leather, and Wool Gloves; Leggings; Lumberjackets of Leather, Suede, and Wool; Overgaiters and Spats; Women's, Misses', and Children's Sweaters, Stockings, Socks, Underwear of Knitted, Netted, and Textile Fabrics; Collar and Cuff Sets, Neckties, Belts for Outer Wear, Scarfs, Frocks, Dresses, Sandals of Leather and Straw; Bloomers, Chemises, Brassières, Negligees, Petticoats, Panties, Aprons, Wrappers, Suits, Skirts for Under or Outer Wear, Blouses, Waists for Outer Wear, Nightgowns, Bodices, Riding Habits, Knickers, Sport Coats, Bathing Suits and Robes, Beach Overalls and Pyjamas, Caps; Women's and Misses' Corsets, Garter Belts, Girdles, Shawls, Wraps, Coolie Coats, Fur Coats, and Fur Scarfs; Nurses' Uniforms; Boys' and Men's Suits, Overcoats, Bath Robes, Caps, Sweaters, Underwear of Knitted, Netted, and Textile Fabrics; Dress, Negligee, or Work Shirts; Neckties, Pyjamas, Collars, Mufflers, Belts for Outer Wear, Stockings, Socks, Suspenders, Riding Habits; Infants' Hats, Shoes of Leather, Bootees, Underwear of Knitted, Netted, and Textile Fabrics, Nightgowns, Dresses, Coats, Jackets and Sweaters, and Mittens of Wool; Children's Sun Suits and Rompers.

Claims use since July, 1924.

Ser. No. 289,373. SINSHEIMER BRO. & Co., Chicago Ill. Filed Sept. 5, 1929.



For Boots and Shoes of Leather, Fabric, Rubber, or Combinations Thereof.
Claims use since July 1, 1929.

Ser. No. 289,374. SINSHEIMER BRO. & Co., Chicago, Ill. Filed Sept. 5, 1929.



No claim being made to the use of the word "Shoes." For Boots and Shoes of Leather, Fabric, Rubber, or Combinations Thereof.

Claims use since July 1, 1929.

Ser. No. 289,466. LOUIS LEVINE & SONS, Cincinnati, Ohio. Filed Sept. 7, 1929.



The expression "Haf-Siz Model" is disclaimed apart from the other features of the mark shown on the drawing.
For Ladies' Dresses and Coats.
Claims use since Mar. 1, 1929.

Ser. No. 289,698. VAN RAALTE COMPANY, New York, N. Y. Filed Sept. 12, 1929.

Chamo-Ray

For Fabric Gloves.
Claims use since Nov. 18, 1928.

Ser. No. 289,761. ROMANES AND PATERSON, Boston, Mass., and Edinburgh, Scotland. Filed Sept. 13, 1929.

ARRANPY

For Tweed and Knit Suits, Coats and Sweaters for Men, Women, and Children; Skirts, Capes, Scarfs, Stockings, Socks, and Shawls.
Claims use since June 15, 1929.

Ser. No. 290,067. HEILIG & FLOREA, INC., New York, N. Y. Filed Sept. 21, 1929.



For Gloves Constructed of Leather, Fabric, and Combinations of These Materials.
Claims use since January, 1928.

Ser. No. 290,145. LUIGI PIGNANELLI, Tacoma, Wash. Filed Sept. 23, 1929.



For Leather Shoes.
Claims use since June 1, 1929.

Ser. No. 290,218. THE MANHATTAN SHIRT CO., New York, N. Y. Filed Sept. 25, 1929.

TURF

For Men's Outer Shirts for Sport Wear.
Claims use since Aug. 12, 1929.

Ser. No. 290,275. TABIN-PICKER AND COMPANY, Chicago, Ill. Filed Sept. 26, 1929.



BREAKAWAY
ORIGINATED BY
Georgians

The words "Originated by" are disclaimed apart from the mark as shown on the drawing.
For Ladies' Dresses.
Claims use since July 1, 1929.

Ser. No. 290,382. THOMAS DALBY CO., Watertown, Mass. Filed Sept. 28, 1929.

AIRMESH

For Underwear of Knitted Fabrics for Men, Women, and Children.
Claims use since Aug. 13, 1929.

Ser. No. 290,422. MORTEN-DAVIS HOSIERY MILLS, Dallas, Tex. Filed Sept. 30, 1929.



Davis

The word "Davis" is disclaimed apart from the mark shown in the drawing.
For Full-Fashioned Silk Hosiery.
Claims use since July 3, 1929.

Ser. No. 290,437. STIX, BAER & FULLER COMPANY, St. Louis, Mo. Filed Sept. 30, 1929.

Marbrooke

For Men's and Boys' Suits, Overcoats, Topcoats, and Trousers.
Claims use since June 1, 1929.

Ser. No. 290,582. S. MAKRAKSKY & SONS, Philadelphia, Pa. Filed Oct. 3, 1929.

Devonshire


The lining on the drawing is for the purpose of shading. The name "Devonshire" is disclaimed apart from the mark as shown.

For Men's Suits, Overcoats, and Topcoats.
Claims use since Apr. 1, 1928.

Ser. No. 290,656. M. J. FEDERMAN CO., INC., New York, N. Y. Filed Oct. 4, 1929.

LADY CARROLL
Woodlo

For Hosiery, Sweaters, and Underwear for Men, Women, and Children, Made of Knitted, Netted, or Textile Fabrics, and/or Combinations Thereof.
Claims use since Oct. 1, 1928.

Ser. No. 290,663. HENRY POLLAK, INC., New York, N. Y. Filed Oct. 4, 1929.

Suprafelt

For Felt Hats for Women, Untrimmed.
Claims use since Aug. 20, 1929.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 290,295. L. BAMBERGER & Co., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Binding, Piping and Bias Binding, Braids, Dress Shields; Buttons, Buckles for Personal Wear; Clasps, Combs, Barrettes, and Hairpins, Not Made of Precious Metal; Nonelectrical Hair Wavers, Darners, Elastic and Nonelastic Web, Snap Fasteners; Ornamental Feathers, Leaves, Flowers; Fur Trimmings, Nonelectrical Hair Curlers, Hatbands, Hooks and Eyes, Corset, and Shoe Laces; Hand-Sewing Needles, Knitting Needles, and Crochet Hooks; Pins, Shoe Horns Not Made of Precious Metal, Waistbands; Toilet Sets—Namely, Brushes, Combs, Hair Receivers, Trays, Mirrors, Perfume Bottles, and Boxes Not Made of Precious Metal; and Stamped Fabrics for Embroidering.
Claims use since July, 1924.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 273,394. THE DEFIANCE MANUFACTURING COMPANY, Barrowville, Mass. Filed Oct. 5, 1928.

PERMATONE

For Textile Fabrics in the Piece—Namely, Designated as Cotton Fabrics Made Wholly of Cotton and with Rayon Decorations on Cotton Cloth, also with Cotton Warp and Rayon Fillings.
Claims use since Dec. 1, 1925.

Ser. No. 280,678. VALWAY RUG MILLS, INC., Lagrange, Ga. Filed Mar. 13, 1929.



The word "Rugs" is disclaimed apart from the mark shown.
For Rugs of Textile Fabric.
Claims use since Oct. 21, 1927.

Ser. No. 286,954. M. RICH & BROS. CO., Atlanta, Ga. Filed July 11, 1929.



The words "Special Round Thread" and "Ready for Use" are disclaimed apart from the mark shown on the drawing.

For Sheets and Pillowcases.
Claims use since 1899.

389 O. G.—3

Ser. No. 287,274. ALBERT GODDE, BEDIN, INC., New York, N. Y. Filed July 18, 1929.

Banjo

For Dress Fabric of Silk.
Claims use since July 1, 1929.

Ser. No. 288,897. THE ATLANTIC MILLS, Olneyville, and Providence, R. I. Filed Aug. 23, 1929.

PALETTE TWEED

No claim is made for the word "Tweed" apart from the mark shown.
For All-Worsted and All-Woolen Dress and Coating Fabrics in the Piece.
Claims use since about Aug. 15, 1929.

Ser. No. 289,632. LUSTBERG, NAST & Co. INC., New York, N. Y. Filed Sept. 11, 1929.

BUCKSKEIN


For Cotton Suede Cloth in the Piece.
Claims use since Apr. 13, 1928.

Ser. No. 289,741. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended in 1920.

Filene's

Applicant is the owner of registration No. 124,527, effected on the ground of actual and exclusive use by the applicant for 10 years next preceding Feb. 20, 1905.

For Textile Blankets, Sheets, Textile Towels, Pillowcases, and Wash Cloths.
Claims use since on or about Jan. 1, 1926.

Ser. No. 290,237. BLOOMSBURG SILK MILL, New York, N. Y. Filed Sept. 26, 1929.



Applicant disclaims the exclusive right to the use of the word "Fabrics" except in association with the other features of the mark. Applicant further disclaims the exclusive right to the representation of the outline of the label.

For Fabrics Composed of Silk, Weighted Silk, Silk and Wool, and Rayon.

Claims use since Sept. 19, 1929.

Ser. No. 290,935. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 11, 1929.

JAYBEECO

For Cotton Duck and Filter Cloth in the Piece.

Claims use since Oct. 8, 1929.

Ser. No. 291,452. THE HIND & HARRISON PLUSH CO., New York and Clark Mills, N. Y. Filed Oct. 23, 1929.

LAMATE

For Pile Fabrics in the Piece.

Claims use since Jan. 15, 1929.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 280,978. ARLETTE, INC., Louisville, Ky. Filed Mar. 19, 1929.



For Hair-Waving Sachets.

Claims use since Nov. 15, 1928.

Ser. No. 284,926. HUGO R. FACK, doing business as Vitae Health Products Company, San Antonio, Tex. Filed June 3, 1929.

TONSALVATOR

For Outfit of Instruments Serving for the Treatment of Tonsils.

Claims use since February, 1928.

Ser. No. 286,976. WILLIAM J. CAMERON, doing business as Cameron Electromaton Co., Chicago, Ill. Filed July 12, 1929.

Electromatonette

For Toilet Outfit for Manicure, Massage, and the Like and Including a Holder or Handle and Accessories to be Attached Thereto—to wit, Razor Head for Blades, Applicators for Massage and Dental Use, and Cuticle Device for Manicure.

Claims use since about May 20, 1929.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 282,243. KREM-KO COMPANY, Chicago, Ill. Filed Apr. 11, 1929.

KRIM KO

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.

Claims use since March, 1927.

Ser. No. 289,940. OAKLAND PIONEER SODA WATER COMPANY, Oakland, Calif. Filed Sept. 18, 1929.



For Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.

Claims use since Feb. 18, 1929.

Ser. No. 289,943. P. P. RICHARDSON, doing business as Cahaba Rock Ginger Ale Co., Atlanta, Ga. Filed Sept. 18, 1929.

DR. SED

GOOD FOR YOU

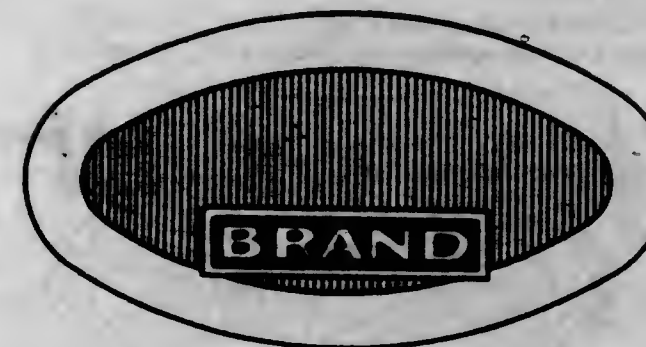
The words "Good for You" are disclaimed except as shown in connection with the other features of the mark. For Fruit Juices Sold as Beverages, and for Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts Used in Making the Same.

Claims use since Sept. 13, 1929.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 243,601. ALBERT F. GENTLE, INCORPORATED, Baltimore, Md. Filed Jan. 31, 1927.



No claim is made to the word "Brand" apart from the mark as shown on the drawing. The mark consists of a double uniform oval, the background in the inner smaller oval being lined for the color red with the word "Brand" at the base of the inner smaller oval, a rectangle enclosing the word "Brand."

For Cooked Meats—Namely, Fresh Meat Products, Namely: Smoked Hams, Whole and Sliced for Picnics; Smoked Breasts, Smoked Necks for Picnics, Full Cut Shoulder and Chilled Skinned Breast, Smoked and All Kinds of Sausages and Sausage Meat, Headcheese, Souce, Tongue, All Kinds of Bologna, Ham, Minced Ham, Soused Pig's Feet, Dried Sliced Beef; Pure and Compound Lard, Fatback, Jowl Butts, Bulk and Sliced Bacon, Sauerkraut in Bulk.

Claims use since Aug. 1, 1920.

Ser. No. 254,338. THEO. STIVERS MILLING COMPANY, Cleveland, Tenn. Filed Sept. 2, 1927.



Applicant disclaims the right to the exclusive use of the words "Stivers" and "Best" apart from the trademark as shown in the drawing.

For Soft-Wheat Flour.

Claims use since May, 1927.

Ser. No. 266,031. THE JANSZEN COMPANY, Cincinnati, Ohio. Filed May 7, 1928.

TIP-TOE

For Canned Vegetables—Namely, Asparagus, Cut String Beans, Corn, Kraut, Pumpkin, Peas, Tomatoes, Lima Beans, Mixed Vegetables, Okra, Succotash, Carrots, Beets, Kidney Beans, Baked Beans, Spinach, Sweet Potatoes; Canned Tomato Puree, Malt Extract, Canned Pimientos; Nuts, Salted, Candied, and in Their Natural State; Canned Fruits—Namely, Peaches, Pineapple, Pears, Fruit Salad, Apricots, Cherries, and Plums; Canned Berries—Namely, Strawberries, Raspberries, and Loganberries; Canned Rhubarb; Canned Fish—Namely, Sardines, Salmon, and Oysters; Dried Currants, Dried Raisins; Evaporated Fruits—Namely, Peaches, Prunes, and Apricots; Coffee and Tea.

Claims use since Feb. 1, 1928.

Ser. No. 268,954. JULIUS L. ADLER, doing business as Big Ben Company, Cleveland, Ohio. Filed July 2, 1928.

BIG BEN

For Salad Dressing, Creole Sauce, French Dressing, and Sandwich Spread.

Claims use since August, 1927.

Ser. No. 270,309. WILHELMSDORFER MALZPRODUKTEN- UND CHOKOLADEN-FABRIK VON. JOS. KÜFFERLE & CO. AKTIEN-GESELLSCHAFT, Vienna, Austria. Filed July 28, 1928.



For Bread, Cake, and Pastry Products, Chocolate Candy, Hard Candy, Chocolate-Covered Fruits, Fruit Jellies, Jams, Chocolate, Tea, Alimentary Pastes, and Candles.
Claims use since March, 1923.

Ser. No. 270,574. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Aug. 4, 1928.

MADE IN BILLIONS FOR AMERICA'S MILLIONS

For Candy.
Claims use since June 1, 1928.

Ser. No. 273,743. W. L. DRAKE, doing business as Humboldt Elevator Mills, Humboldt, Kans. Filed Oct. 12, 1928.



For Calf Meal, Poultry Feeds, and Hog and Pig Feeds.
Claims use since November, 1927.

Ser. No. 274,057. IRWIN A. MADDEN, doing business as Producers Dairy Co., Springfield, Ill. Filed Oct. 20, 1928.

Producers
DAIRY CO. SPRINGFIELD, ILL.

The words "Springfield, Ill." appearing on the drawing are descriptive only and are not claimed as a part of the actual trade-mark except as shown in connection with the mark.

For Fresh Milk, Buttermilk, Cottage Cheese, Butter, Cream, and Ice Cream.
Claims use since June 1, 1925.

Ser. No. 274,327. FABRIQUE SUISSE DE FARINE, LACTO-BÉBÉ S. A., Morat, Switzerland. Filed Oct. 26, 1928.



LACTO-BÉBÉ

For Infant's Food.
Claims use since May, 1913.

Ser. No. 276,275. PURITY OATS COMPANY, Keokuk, Iowa. Filed Dec. 4, 1928.



Applicant disclaims the word "Instant" apart from the mark as shown.

For Rolled Oats or Oat Flakes.
Claims use since June 10, 1925.

Ser. No. 277,981. STEVENS & SEIGNEUR, Grand Rapids, Ohio. Filed Jan. 14, 1929.



No claim is made to the words "Guaranteed, Brand, Grand Rapids, Ohio," or "Net Weight" apart from the mark as shown on the drawing.

For Extracted and Comb Honey.
Claims use since Aug. 1, 1927.

Ser. No. 279,753. REICHARDT COCOA & CHOCOLATE CO. INC., New Brunswick, N. J. Filed Feb. 21, 1929.

RYKART

For Milk Chocolate.
Claims use since December, 1928.

Ser. No. 280,992. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Mar. 19, 1929.



The lining of the drawing is intended to show that the coloration of the rim or flange of the cap is red. The cap does not form a part of the registration shown. The trade-mark comprises a red rim or flange upon the crown or screw cap of the jar in which the goods are packed.

For Peanut Butter and Mustard.
Claims use since Dec. 1, 1928.

Ser. No. 282,724. FRED R. BRIGHT, doing business as Fred R. Bright Co., El Centro, Calif. Filed Apr. 20, 1929.

Uniform



For Fresh Cantaloupes, Fresh Honeydew Melons, Fresh Vegetables.
Claims use since July 7, 1925.

Ser. No. 282,832. THE BRADY FLOUR, Portland, Me. Filed Apr. 22, 1929.

Trade-Mark

HEALTH CONFECTION

No claim is made to the words "Health Confection" apart from the mark as shown.

For Candy.
Claims use since Jan. 2, 1922.

Ser. No. 284,226. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed May 18, 1929.



No claim being made to the exclusive use of the words "Creamery Butter" apart from the mark as shown in the drawing.

For Butter.
Claims use since Apr. 12, 1929.

Ser. No. 284,277. REED CANDY COMPANY, Chicago, Ill. Filed May 18, 1929.

★ **REED'S THREE STAR** ★

For Butterscotch.
Claims use since 1907.

Ser. No. 285,035. OTTO RECHNITZ, Kaulsdorf, near Berlin, Germany. Filed June 4, 1929.

**„Ich küsse ihre Hand, Madame“
(I Kiss Your Little Hand, Madame)**

For Cocoa, Chocolate, Candles, Pastry, Cakes, Biscuits, and Yeast.
Claims use since Jan. 2, 1929.

Ser. No. 286,274. RED & WHITE CORP'N, Buffalo, N. Y. Filed June 27, 1929.

**BLUE
AND
WHITE**

For Canned Fruits—Namely, Apricots, Apples, Royal Anne Cherries, Red Sour Pitted Cherries, Maraschino Cherries, Fruit for Salad, Grapefruit, Peaches, Pears, Pineapple, Prunes, Purple Plums, Egg Plums; Canned Vegetables—Namely, Asparagus Tips, Asparagus, Bean Sprouts, Green Beans, Lima Beans, Red Kidney Beans, Refugee Beans, String Beans, Beets, Wax Beans, Lye Hominy, Mixed Vegetables, Okra, Peas, Pumpkin, Sauerkraut, Spinach, Corn, Succotash, Sweet Potatoes, and Tomatoes; Canned Berries—Namely, Blackberries, Raspberries, Strawberries, Blueberries, Loganberries; Canned Apple Butter, Barley, Canned Beans with Pork and Tomato Sauce, Birdseed, Coffee, Cocoa, Cornstarch, Dried Peaches, Dried Apricots, Dried Prunes, Bouillon Cubes, Tomato Catsup, Baking Chocolate, Coconut, Corn Flakes, Dried and Canned Currants, Dates, Food-Flavoring Extracts; Fresh, Dried, and Canned Figs; French Dressing, Grape Jam, Honey, Ice-Cream Powder, Gelatine Dessert, Jelly, Macaroni, Spaghetti, Egg Noodles.

Mayonnaise, Marmalade, Canned Evaporated Milk, Molasses, Canned Mushrooms, Prepared Mustard, Olive Oil, Olives, Peanut Butter, Pickles, Pickle Slices, Canned Pimientos, Unpopped Pop Corn, Powdered Sugar, Fruit Preserves, Raisins, Sandwich Spread, Sorghum, Canned Soups, Spices, Vinegar, Catsup, Cane and Maple Syrup, Chicken a la King; Canned Fish—Namely, Clams, Codfish, Crab Meat, Klipped Herring, Klipper Snacks, Lobster, Oysters, Salmon, Sardines, Shrimp, and Tuna Fish; Sweet Pickled Apricots, Sweet Pickled Pears, Sweet Pickled Peaches, Buckwheat Flour, Breakfast Cereals, Chili Con Carne, Chili Sauce, Chop Suey, Cranberry Sauce, Cake Flour, Rolled Oats, Pancake Flour, Pepper Sauce, Pineapple Juice for Food Purposes, Rice, Grapefruit Juice for Food Purposes, Tomato Juice, Orange Juice for Food Purposes, Tapioca, Wheat Flour, Canned Spaghetti, and Tea.

Claims use since Aug. 27, 1928.

Ser. No. 288,780. BLUE VALLEY CREAMERY COMPANY, Chicago, Ill. Filed Aug. 21, 1929.



For Milk and Cream.
Claims use since April, 1929.

Ser. No. 289,047. FLORENCE HELEN SANDERSON, Los Angeles, Calif. Filed Aug. 26, 1929.



SANDRA

The trade-mark consists of the word "Sandra" immediately below a fanciful silhouette of a woman.
For Tea.
Claims use since Feb. 20, 1929.

Ser. No. 289,441. BROOKS-HIRTH-CORBETT CORPORATION, Fernandina and St. Augustine, Fla. Filed Sept. 7, 1929.

**FLORIDA
GARDEN**

For Canned Grapefruit.
Claims use since May 1, 1929.

Ser. No. 289,623. GOLDEN WEST PRODUCTS CO. INC., Los Angeles, Calif. Filed Sept. 11, 1929.

BONNIE BRAE

For Canned Fruits, Canned Vegetables, Canned Fish, Jams, Jellies, Nut Meats, Fruit Preserves, Dried Fruits, Flavoring Extracts for Food Purposes, Honey, Spices, Tea, Coffee, Pepper, Mayonnaise, Salad Dressing, Peanut Butter, Table Syrup, Dessert Powders, Edible Oils, Candy, Cocoa, Chocolate.

Claims use since Aug. 28, 1929.

Ser. No. 289,828. FERRUCCIO GIOVANNINI, Chicago, Ill. Filed Sept. 16, 1929.



The portrait claimed as part of the mark is fanciful.
For Bakery Products—Namely, Cakes.
Claims use since Aug. 26, 1929.

Ser. No. 290,009. CATARACT PRODUCTS CORPORATION, Rochester, N. Y. Filed Sept. 20, 1929.



For Liquid Malt for Baking and Cooking.
Claims use since about Mar. 1, 1929.

Ser. No. 290,027. BEN MARTIN & SON, Muskogee, Okla. Filed Sept. 20, 1929.



Applicant hereby disclaims the registration of the notation "Sooner State" and "Sooner State Potatoes."
For Fresh Potatoes.
Claims use since June 10, 1928.

Ser. No. 290,074. MARAVIGNA NORTH STREET MACARONI CO., doing business as Maravigna Macaroni Co., Boston, Mass. Filed Sept. 21, 1929.



The portrait shown on the drawing is that of Vincenzo Bellini, deceased, the well-known Italian composer.
For Macaroni.
Claims use since Aug. 5, 1929.

Ser. No. 290,309. B. FISCHER & CO., INC., New York, N. Y. Filed Sept. 27, 1929.

**RUSSIAN
WINE TEA**

No claim is made for the words "Russian" and "Tea" apart from the mark shown in the drawing.
For Tea.
Claims use since March, 1924.

Ser. No. 290,442. MADGE WALKER, doing business as Best Made Doughnut Company, Savannah, Ga. Filed Sept. 30, 1929.



Applicant disclaims apart from the mark as shown on the drawing all the wording except the letters "B. M."
For Prepared and Cooked Doughnuts.
Claims use since Sept. 14, 1929.

Ser. No. 290,443. WM. C. ZUFFE, Gretna, La. Filed Sept. 30, 1929.



For Confections Frozen into Cubes Containing Fruit and Similar Ingredients with Various Flavors.
Claims use since June 1, 1929.

Ser. No. 290,627. S. C. THOMAS, Weems, Va. Filed Oct. 3, 1929.

REDSKIN

For Canned Vegetables.
Claims use since 1891.

Ser. No. 290,730. ALBERS BROS. MILLING CO., San Francisco, Calif. Filed Oct. 7, 1929.

Mission



For Cereal Products—Namely, Rolled Oats, Steel-Cut Oats, Oat Meal, Rolled Wheat, Cracked Wheat, Granulated Wheat, Farina, Health Bran, Rolled Wheat and Oat Mixture, Buckwheat Flour and Wheat Flour (Self-Rising), Buckwheat Flour (Pure), Rice Flour, Rye Flour, Rye Meal, Toasted Wheat, Corn Meal (Yellow), Corn Meal (White), Corn Flour, Hominy (Cracked), Hominy (Grits), Corn Flakes, Pearl Barley, Split Peas, Tapioca (Instant), Tapioca (Pearl), Sago and Lentils.
Claims use since Jan. 15, 1882.

Ser. No. 290,812. BREAKSTONE BROS. INC., New York, N. Y. Filed Oct. 9, 1929.

Breakstone's

"FRESHMADE"

The word "Freshmade" is disclaimed when used apart from the mark shown on the drawing.
For Butter.
Claims use since July 1, 1920.

Ser. No. 290,813. BREAKSTONE BROS. INC., New York, N. Y. Filed Oct. 9, 1929.



For Cheese.
Claims use since Oct. 1, 1929.

Ser. No. 290,836. HOYT'S BROTHERS, INC., Newark, N. J. Filed Oct. 9, 1929.



No claim is made to the words "Quality Products" apart from the mark shown.
For Worcestershire Sauce, Cocoa, Chocolate Puddings, Spices, Food-Flavoring Extracts.
Claims use since Feb. 16, 1924.

Ser. No. 290,906. L. PIMPAO & CO., Elizabeth, N. J. Filed Oct. 10, 1929.

ST. THOME

COFFEE

No claim is made to the word "Coffee" apart from the mark shown on the drawing.
For Coffee.
Claim use since 1927.

Ser. No. 290,942. THE EUCLID CANDY CO., Cleveland, Ohio, Filed Oct. 11, 1929.

LOVE NEST

For Chewing Gum.
Claims use since Feb. 15, 1929.

Ser. No. 291,025. ROOT & PANKEY, Medford, Oreg. Filed Oct. 12, 1929.

Old Gold

For Fresh Pears and Fresh Apples.
Claims use since July 20, 1929.

Ser. No. 291,123. GEBHARDT CHILI POWDER CO., San Antonio, Tex. Filed Oct. 16, 1929.

EAGLE

For Chili Con Carne, Chili Powder, Sandwich Spread, Rice with Chili, Tamales with Chili Gravy, Chili Con Carne with Frijoles, Beans with Chili Gravy, and Spaghetti and Chili with Cheese.
Claims use since 1898.

Ser. No. 291,435. BOZEMAN CANNING CO., Mount Vernon, Wash. Filed Oct. 23, 1929.

GOLD MOUNTAIN

For Canned Vegetables.
Claims use since June 1, 1928.

Ser. No. 291,512. ALICE KREIS, Forest Hills, N. Y. Filed Oct. 24, 1929.

NEUTROFOOD

For Diabetic Flour.
Claims use since Nov. 1, 1927.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 274,618. WINDHAM MANUFACTURING CO., South Boston, Mass. Filed Oct. 31, 1928.



For Piece Goods of Cotton, Silk, Wool, Linen, Rayon, and Paper Fabrics Treated and Rendered Waterproof.
Claims use since Aug. 6, 1928.

Ser. No. 281,138. THE EDWARDS MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Mar. 22, 1929.

EMCO

For Markers, Indicators, Signs, or Signals, Not Electrical, for Designating Specified Areas, Zones, Paths, Channels, or Directions to be Taken By Traffic in Streets, Roads, Walks, or Paths, Both Vehicular and Pedestrian.
Claims use since Sept. 21, 1928.

Ser. No. 284,258. WILLIAMS SEALING CORPORATION, Decatur, Ill. Filed May 18, 1929.

KORK-N-SEAL

THE CAP WITH THE LITTLE LEVER

No claim being made to the words "The Cap with the Little Lever" except in combination with the mark "Kork-N-Seal" shown in the drawing.
For Bottle Caps.
Claims use since Oct. 25, 1926.

Ser. No. 286,021. ALEXANDER ARCHIPENKO, New York, N. Y. Filed June 24, 1929.



For Works of Art—Namely, Statues and Masks Embodying Reproductions of Facial Contours for Use as Art Work.
Claims use since Aug. 15, 1928.

Ser. No. 288,738. AMERICAN HIGHWAY SERVICE, Pineville, Ky. Filed Aug. 20, 1929.



The lines at the top portion of the mark shown in the accompanying drawing indicate red; the lettering is blue; and the lines at the bottom of the accompanying illustration of the trade-mark indicate blue.
For Nonelectric Road Signs.
Claims use since Aug. 16, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 3, 1929

264,640. ROSIN. THE NEWPORT COMPANY, Carrollville, Wis.
Filed July 8, 1929. Serial No. 286,791. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,641. COAL. THE COLORADO FUEL & IRON COMPANY, Denver, Colo.
Filed July 9, 1929. Serial No. 286,816. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,642. SOUTHERN-PINE FINISH, INTERIOR TRIM, MOULDINGS, AND JAMBS. SABINE LUMBER COMPANY, St. Louis, Mo., and Houston, Tex.
Filed July 12, 1929. Serial No. 287,013. PUBLISHED SEPTEMBER 10, 1929. Class 12.

264,643. COAL. HICKMAN, WILLIAMS & Co., Cincinnati, Ohio.
Filed July 13, 1929. Serial No. 287,077. PUBLISHED SEPTEMBER 17, 1929. Class 1.

264,644. ASBESTOS CELLULAR PIPE AND BOILER COVERING AND ASBESTOS CEMENT. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed July 16, 1929. Serial No. 287,188. PUBLISHED SEPTEMBER 17, 1929. Class 12.

264,645. CEMENT FOR USE IN CONSTRUCTION WORK, STREETS, AND PAVEMENTS. E. N. GACKENBACH, Jenkintown, Pa.
Filed July 20, 1929. Serial No. 287,406. PUBLISHED SEPTEMBER 17, 1929. Class 12.

264,646. LIME IN POWDERED FORM FOR BUILDING PURPOSES. THE OHIO HYDRATE & SUPPLY COMPANY, Woodville, Ohio.
Filed August 1, 1929. Serial No. 287,974. PUBLISHED SEPTEMBER 17, 1929. Class 12.

264,647. THERMAL INSULATING MATERIAL. GENERAL INSULATION COMPANY, Chicago, Ill.
Filed July 1, 1929. Serial No. 286,428. PUBLISHED SEPTEMBER 17, 1929. Class 12.

264,648. CUT OR FINISHED STONE. THE MOUNTAIN CROSS GRANITE COMPANY, Denver and Salida, Colo.
Filed July 2, 1929. Serial No. 286,500. PUBLISHED SEPTEMBER 3, 1929. Class 12.

264,649. PLASTER AND METAL REINFORCEMENT. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed July 3, 1929. Serial No. 286,609. PUBLISHED SEPTEMBER 17, 1929. Class 12.

264,650. FUEL BRIQUETTES. FERNHOLTZ MACHINERY AND MANUFACTURING COMPANY, LTD., Los Angeles, Calif.
Filed July 5, 1929. Serial No. 286,630. PUBLISHED SEPTEMBER 17, 1929. Class 1.

264,651. ORNAMENTAL SHRUBBERY, TREES, BUSHES, FLOWERS, AND PLANTS. MECKLENBURG NURSERIES, Charlotte, N. C.
Filed July 5, 1929. Serial No. 286,846. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,652. TANNED KID SKINS. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del., Philadelphia, Pa., New York, N. Y., Boston, Mass., Rochester, N. Y., Chicago, Ill., and St. Louis, Mo.
Filed July 6, 1929. Serial No. 286,682. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,653. COKE. THE KOPPERS COMPANY, Pittsburgh, Pa.
Filed July 6, 1929. Serial No. 286,687. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,654. DOORS, WINDOWS, AND DOOR AND WINDOW FRAMES. AMERICAN SASH & DOOR COMPANY, Kansas City, Mo.
Filed July 8, 1929. Serial No. 286,781. PUBLISHED SEPTEMBER 10, 1929. Class 12.

264,655. SAUCES FOR MEAT, FISH, AND THE LIKE AND FOR MAYONNAISE. OSCAR TSCHIRKY, New York, N. Y.
Filed April 17, 1929. Serial No. 282,579. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,656. OVERALLS, COATS, AND WORK SHIRTS FOR MEN AND BOYS. BLUE BUCKLE OVERALL COMPANY, Lynchburg, Va.
Filed April 24, 1929. Serial No. 282,904. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,657. CANNED OLIVES, CANNED PICKLES, CANNED ONIONS, CANNED PEPPERS; CANNED MIXED RELISHES COMPRISING MIXED PICKLES, ONIONS, PEPPERS, AND SPICES; SANDWICHES, ROAST-MEAT SANDWICHES, PASTRY, SAUSAGES, CHEESE, BUTTER, AND PASTEURIZED MILK. MARTIN BROTHERS, Los Angeles, Calif.
Filed April 29, 1929. Serial No. 283,206. PUBLISHED SEPTEMBER 17, 1929. Class 46.

264,658. MEN'S AND BOYS' SUITS AND OVERCOATS. RICHMAN CLOTHING CO. INC., New York, N. Y.
Filed May 21, 1929. Serial No. 284,424. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,659. MEN'S, BOYS', AND YOUTHS' SUITS, OVERCOATS, TOPCOATS, TROUSERS, KNICKERS, CAPS, SWEATERS, AND RAINCOATS. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J.
Filed May 22, 1929. Serial No. 284,460. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,660. GUAVA PASTE, BANANA PASTE, GUAVA IN SYRUP, CASHEW IN SYRUP, GUAVA JELLY, COCONUT IN SYRUP, PINEAPPLE IN SYRUP, FIGS IN SYRUP. CARLOS DE BRITTO & CIA., Pesqueira, Brazil.
Filed May 25, 1929. Serial No. 284,605. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,661. HONEY. ROBERT W. BOURLAND, Marathon, Tex.
Filed May 29, 1929. Serial No. 284,771. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,662. FRUIT SALTS (EXTRACTS OF FRUITS) USED IN THE TREATMENT OF RHEUMATISM, NERVOUSNESS, GASTRIC CATARRH, LOSS OF APPETITE, SLEEPLESSNESS, STOMACH TROUBLE, FOR BLOOD PURIFYING, AND AS A LAXATIVE. CHRISTIAN CROSSEROTTE, Stockholm, Sweden.
Filed May 4, 1929. Serial No. 283,492. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,663. A DISINFECTING, DEODORIZING, AND CLEANSING PREPARATION. WEST DISINFECTING COMPANY, Long Island City, N. Y.
Filed May 18, 1929. Serial No. 284,255. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,664. LINIMENT. THOMAS M. SAYMAN, doing business as T. M. Sayman Products Co., St. Louis, Mo.
Filed June 24, 1929. Serial No. 286,082. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,665. MEDICINAL PREPARATION USED AS AN ANTACID DIGESTANT. THE BISODOL COMPANY, New Haven, Conn.
Filed July 6, 1929. Serial No. 286,683. PUBLISHED SEPTEMBER 17, 1929. Class 6.

DECEMBER 3, 1929

U. S. PATENT OFFICE

43

264,666. A PREPARATION FOR ERUPTIONS ON THE FACE AND BODY CAUSED BY IMPURE BLOOD AND FOR SUNBURN. MAX CANTER, doing business as M. Canter Laboratories, St. Louis, Mo.
Filed July 11, 1929. Serial No. 286,928. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,667. PREPARATION FOR THE TREATMENT OF HOGS AND POULTRY DISINFECTANT, ETC. UNIVERSAL REMEDIES COMPANY, Springfield, Ill.
Filed July 12, 1929. Serial No. 287,030. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,668. HAIR GROWER. PRESSING OIL AND SPECIAL TEMPLE GROWER. MARY E. STRONG, doing business as Madam Mary E. Strong, Birmingham, Ala.
Filed July 13, 1929. Serial No. 287,098. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,669. WOMEN'S HATS. WEBER AND HEILBRONER, INC., New York, N. Y.
Filed July 15, 1929. Serial No. 287,167. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,670. HAIR-TREATING COMPOSITION. THE NESTLE-LE MUR COMPANY, Cleveland, Ohio.
Filed July 16, 1929. Serial No. 287,198. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,671. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAM, ETC. MARY G. BIRNEY, doing business as Mary Churchill, Pelham Manor, N. Y.
Filed July 17, 1929. Serial No. 287,232. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,672. A PREPARATION FOR THE TREATMENT OF FALLING HAIR AND DANDRUFF. J. R. B. MANUFACTURING CO., INC., Huron, S. Dak.
Filed July 17, 1929. Serial No. 287,255. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,673. SOUR-MILK-TESTING SOLUTION. THE DAIRY LABORATORIES, Philadelphia, Pa.
Filed July 19, 1929. Serial No. 287,337. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,674. SORE THROAT AND TONSILITIS MEDICINES. HARRY C. DODGSON, doing business as T. T. T. Chemical Company, Los Angeles, Calif.
Filed July 19, 1929. Serial No. 287,388. PUBLISHED SEPTEMBER 17, 1929. Class 6.

264,675. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, LOTION FOR THE SKIN AND HAIR, ROUGE, LIP STICKS, BATH SALTS, BATH POWDER, BRILLIANTINE, ROUGE AND POWDER COMPACTS, AND FACE CREAMS. SOCIETE ANONYME DOUBILET DOUCET, Paris, France.
Filed July 19, 1929. Serial No. 287,375. PUBLISHED SEPTEMBER 10, 1929. Class 6.

264,676. HEAT-INSULATING MATERIAL FOR BOILERS AND TANKS. BRUNNER ENGINEERING CORPORATION OF NEW YORK, New York, N. Y.
Filed June 4, 1929. Serial No. 285,011. PUBLISHED SEPTEMBER 3, 1929. Class 12.

264,677. CUT GRANITE AND GRANITE FINISHED BY POLISHING, HAMMERING, AND OTHERWISE. ROYAL GRANITE COMPANY, St. Cloud, Minn.
Filed June 6, 1929. Serial No. 285,175. PUBLISHED SEPTEMBER 17, 1929. Class 12.

264,678. CARD-TABLE COVERS MADE OF FELT. KENWORTHY BROTHERS COMPANY, INCORPORATED, Stoughton, Mass.
Filed June 7, 1929. Serial No. 285,211. PUBLISHED SEPTEMBER 17, 1929. Class 50.

264,679. CHEMICAL COMPOUND FOR WATERPROOFING CONSTRUCTION MATERIALS. LEWIS ASPHALT ENGINEERING CORP., New York, N. Y.
Filed June 10, 1929. Serial No. 285,359. PUBLISHED SEPTEMBER 17, 1929. Class 12.

264,680. TANNED LEATHER SKINS. ROBERTSON LEATHER COMPANY, INC., New York, N. Y.
Filed June 15, 1929. Serial No. 285,639. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,681. TANNED AND DYED SKINS AND HIDES FOR FURS AND FUR GARMENTS. LA ZIBELINE SOCIETE ANONYME, Ghent, Belgium.
Filed June 18, 1929. Serial No. 285,745. PUBLISHED SEPTEMBER 3, 1929. Class 1.

264,682. TREATED FABRICS FOR WALL COVERING, TABLE COVERING, AND FLOOR COVERING. THE KEMITEX PRODUCTS COMPANY, Akron, Ohio.
Filed December 2, 1926. Serial No. 240,860. PUBLISHED SEPTEMBER 3, 1929. Class 50.

264,683. SIGNS MADE OF METAL, WOOD, GLASS, OR OTHER MATERIALS. PRISMO SIGN COMPANY INCORPORATED, New York, N. Y., assignor to Prismo Holding Corporation, a Corporation of New York.
Filed June 28, 1929. Serial No. 286,194. PUBLISHED SEPTEMBER 10, 1929. Class 50.

264,684. LEATHER. BARNET LEATHER CO., INC., Boston, Mass.
Filed June 28, 1929. Serial No. 286,288. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,685. FLOOR, WALL, AND SIMILAR TILE. FLINT FAIENCE & TILE COMPANY, Flint, Mich.
Filed June 28, 1929. Serial No. 286,319. PUBLISHED SEPTEMBER 3, 1929. Class 12.

264,686. FURS. HELBURN THOMPSON COMPANY, Salem, Mass.
Filed June 28, 1929. Serial No. 286,327. PUBLISHED SEPTEMBER 3, 1929. Class 1.

264,687. PLASTIC MODELING MATERIAL. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed July 1, 1929. Serial No. 286,407. PUBLISHED SEPTEMBER 10, 1929. Class 1.

264,688. NONFERROUS METALS AND METAL CASTINGS AND ALUMINUM ALLOYS. THE NATIONAL BRONZE AND ALUMINUM FOUNDRY COMPANY, Cleveland, Ohio.
Filed July 14, 1928. Serial No. 269,597. PUBLISHED SEPTEMBER 17, 1929. Class 14.

264,689. CAKES, COOKIES, PIES, CRACKERS, AND CRULLERS. FISCHER BAKING COMPANY, Newark, N. J.
Filed December 4, 1928. Serial No. 276,258. PUBLISHED FEBRUARY 12, 1929. Class 46.

264,690. DRY-CLEANING PREPARATIONS. HOWARD G. DE MILLE, doing business as De Mille Products Company, Baltimore, Md.
Filed December 14, 1928. Serial No. 276,687. PUBLISHED FEBRUARY 12, 1929. Class 4.

264,691. MALT-EXTRACT POWDER FOR FOOD PURPOSES. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y.
Filed December 19, 1928. Serial No. 276,990. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,692. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill.
Filed February 3, 1928. Serial No. 261,128. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,693. MIDDY BLOUSES, SKIRTS, KNICKERS, ETC. STRAUS, ROYER & STRASS, INC., Baltimore, Md.
Filed February 10, 1928. Serial No. 261,531. PUBLISHED SEPTEMBER 10, 1929. Class 39.

264,694. EVAPORATED MILK. THEODORE C. LEEDOM, doing business as Kreamo Milk Co., Toledo, Ohio.
Filed March 7, 1928. Serial No. 262,718. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,695. INDUSTRIAL WIPING CLOTHS. OAKLEAF MILLS, Lagrange, Ga.
Filed May 16, 1928. Serial No. 266,476. PUBLISHED DECEMBER 11, 1928. Class 29.

- 264,696. MEDICINE FOR THE RELIEF OF INDIGESTION, CHRONIC CONSTIPATION, GAS PRESSURE, CHOKING, DISTRESS AFTER EATING, FOUL BREATH, HEARTBURN, ACIDITY, SOUR STOMACH, AND TOXIC CONDITION. THOMAS REED, doing business as Crown Medicine Company and Gestone Company, Atlanta, Ga.
Filed June 8, 1928. Serial No. 267,721. PUBLISHED SEPTEMBER 25, 1928. Class 6.
- 264,697. RADIATOR-STOP-LEAK LIQUID, RADIATOR-CLEANING COMPOUND. THE TAURMAN AUTOMOTIVE Co., Baltimore, Md.
Filed June 25, 1928. Serial No. 268,647. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,698. CALCINED GYPSUM AND PLASTER OF PARIS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed August 15, 1927. Serial No. 253,485. PUBLISHED SEPTEMBER 3, 1929. Class 12.
- 264,699. LADIES' COATS, SUITS, DRESSES, BLOUSES, AND SKIRTS. MAX E. SINGERMAN, New York, N. Y.
Filed October 4, 1927. Serial No. 255,613. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,700. CERTAIN NAMED METAL PRODUCTS. SIEMENS-SCHUCKERTWERKE AKTIENGESellschaft, Berlin-Siemensstadt, Germany.
Filed October 11, 1927. Serial No. 255,933. PUBLISHED SEPTEMBER 10, 1929. Class 14.
- 264,701. CERTAIN NAMED METAL PRODUCTS. SIEMENS-SCHUCKERTWERKE AKTIENGESellschaft, Berlin-Siemensstadt, Germany.
Filed December 6, 1927. Serial No. 258,553. PUBLISHED SEPTEMBER 10, 1929. Class 14.
- 264,702. MALT SYRUP FOR FOOD PURPOSES. LOUIS STILL, doing business as Ideal Malt Company, Brooklyn, N. Y.
Filed December 9, 1927. Serial No. 258,702. PUBLISHED FEBRUARY 21, 1928. Class 46.
- 264,703. MALT SYRUP FOR FOOD PURPOSES. LOUIS STILL, doing business as Ideal Malt Company, Brooklyn, N. Y.
Filed December 9, 1927. Serial No. 258,703. PUBLISHED FEBRUARY 21, 1928. Class 46.
- 264,704. HAIR POMADE, A PREPARATION FOR WHITENING THE SKIN, AND FACE POWDER. FRANK F. LEFKOFF, doing business as Harade Medicine Co., Atlanta, Ga.
Filed December 16, 1927. Serial No. 259,008. PUBLISHED JUNE 19, 1928. Class 6.
- 264,705. HAIR POMADE. JOHN C. CORYELL, doing business as Coryell Laboratory, Ann Arbor, Mich.
Filed January 25, 1928. Serial No. 260,626. PUBLISHED APRIL 3, 1928. Class 6.
- 264,706. PREPARATION FOR USE AS AN ANTISEPTIC, A HAIRDRESSING, AND ALSO USED IN THE TREATMENT OF THE SCALP, SKIN, AND INSECT BITES. ALFRED J. KRANK, St. Paul, Minn.; Walter A. Krank executor of said Alfred J. Krank, deceased.
Filed January 27, 1928. Serial No. 260,736. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,707. PREPARATION FOR USE AS AN ANTISEPTIC, A HAIRDRESSING, AND ALSO USED IN THE TREATMENT OF THE SCALP, SKIN, AND INSECT BITES. ALFRED J. KRANK, St. Paul, Minn.; Walter A. Krank executor of said Alfred J. Krank, deceased.
Filed January 27, 1928. Serial No. 260,737. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,708. PIPE-JOINT CEMENT. THE S-H SALES CO. INC., New York, N. Y.
Filed June 22, 1929. Serial No. 285,987. PUBLISHED SEPTEMBER 3, 1929. Class 12.
- 264,709. A MEDICINAL PREPARATION FOR SORE AND BLEEDING GUMS. CREDUP P. MITCHELL, doing business as The Py-Ree Company, Burlington, N. C.
Filed June 7, 1929. Serial No. 285,216. PUBLISHED SEPTEMBER 10, 1929. Class 6.

- 264,710. MEDICINAL PREPARATION AND COM-PRESSES. APOTELA AKTIENGESellschaft, Zurich, Switzerland.
Filed June 11, 1929. Serial No. 285,402. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,711. A DISINFECTING, DEODORIZING, AND CLEANSING PREPARATION. WEST DISINFECTING COMPANY, Long Island City, N. Y.
Filed May 18, 1929. Serial No. 284,256. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,712. A DISINFECTING, DEODORIZING, AND CLEANSING PREPARATION. WEST DISINFECTING COMPANY, Long Island City, N. Y.
Filed May 18, 1929. Serial No. 284,257. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,713. CANNED BAKED BEANS AND CANNED BROWN BREAD. FRIEND BROTHERS, INC., Melrose, Mass.
Filed February 16, 1929. Serial No. 279,463. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,714. BREAD, CAKE, PIES, CANNED MINCEMEAT, CANNED BROWN BREAD, CANNED BAKED BEANS, CANNED BLUEBERRIES, AND OTHER CANNED BERRIES. FRIEND BROTHERS, INC., Melrose, Mass.
Filed February 28, 1929. Serial No. 280,061. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,715. ALIMENTARY PASTE AND FLOUR—NAMELY, A BLEND OF CEREAL FLOUR AND OF FLOUR PRODUCED FROM DEHYDRATED VEGETABLES. VEGETABLE PRODUCTS CORPORATION, Los Angeles, Calif.
Filed March 20, 1929. Serial No. 281,065. PUBLISHED SEPTEMBER 10, 1929. Class 46.
- 264,716. BOYS' WASH SUITS, ROMPERS, LUMBER-JACKS, CREEPERS, SUN SUITS, PANTY SUITS, OVERALLS, AND PLAY SUITS. MARKON GARMENT COMPANY, INC., New York, N. Y.
Filed April 16, 1929. Serial No. 282,484. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,717. MOTOR-TREATING COMPOSITIONS OR FLUIDS FOR INJECTION INTO MOTORS TO REMOVE CARBON DEPOSITS AND THE LIKE. MOTOR X-RAY Co., Inc., Glendale, Calif.
Filed February 4, 1929. Serial No. 278,844. PUBLISHED MAY 7, 1929. Class 6.
- 264,718. MEDICINAL PREPARATION TO BE USED AS A SPRAY OR DROP MEDICINE FOR NOSE AND THROAT AND SINUS CONDITIONS OR AS AN INHALANT IN COLDS IN THE HEAD, HEADACHE, HAY FEVER, AND SIMILAR CONDITIONS. GORDON W. BUTLER, doing business as The Zola Laboratories, St. Louis, Mo.
Filed February 13, 1929. Serial No. 279,260. PUBLISHED JULY 2, 1929. Class 6.
- 264,719. PAPER DISHES. INDIANA FIBER PRODUCTS COMPANY, Marion, Ind.
Filed March 11, 1929. Serial No. 280,550. PUBLISHED MAY 28, 1929. Class 2.
- 264,720. WATERPROOF SIZING AND STIFFENING FOR STRAWS, FELTS, SILKS, AND RIBBON AND FOR LIQUID DYE. CONRAD T. SMITH, INC., New York, N. Y.
Filed March 22, 1929. Serial No. 281,173. PUBLISHED SEPTEMBER 16, 1929. Class 6.
- 264,721. FACE CREAM, FACE LOTION, KIDNEY PILLS, LIVER TABLETS, PILE CONES, AND FEMALE SUPPOSITORIES. LEE D. PERKINS, doing business as The Hazel Hygienic Co., Denver, Colo.
Filed April 1, 1929. Serial No. 281,686. PUBLISHED SEPTEMBER 3, 1929. Class 6.
- 264,722. FLUSH-TANK VALVE BALLS. LAVELLE RUBBER CO., Chicago, Ill.
Filed August 29, 1928. Serial No. 271,701. PUBLISHED NOVEMBER 27, 1928. Class 13.

- 264,723. CANNED FRUITS, BERRIES, VEGETABLES, BAKED BEANS WITH TOMATO SAUCE, SAUER-KRAUT, HOMINY, AND PORK AND BEANS. THE SEARS & NICHOLS CORPORATION, Chillicothe, Ohio.
Filed October 2, 1928. Serial No. 273,267. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,724. SHAMPOO. MARCEL KRAFT, doing business as Marcel Laboratories and Fraicheur Products, San Francisco, Calif.
Filed August 10, 1928. Serial No. 270,848. PUBLISHED DECEMBER 4, 1928. Class 6.
- 264,725. GENERAL RECONSTRUCTIVE TONIC AND PROMOTER OF METABOLISM, ESPECIALLY VALUABLE FOR CONVALESCENT PATIENTS, USEFUL IN NEURASTHENIA, AND OTHER NERVOUS AFFECTIONS. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y.
Filed October 10, 1928. Serial No. 273,583. PUBLISHED FEBRUARY 12, 1929. Class 6.
- 264,726. AN OINTMENT USED FOR EXTERNAL APPLICATION TO THE SKIN INTENDED TO RELIEVE ITCH AND HEAL ERUPTIONS OF THE SKIN. SAMUEL A. WEINER, Brooklyn, N. Y.
Filed October 24, 1928. Serial No. 274,245. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,727. AMMONIA WAVING SOLUTION, OLIVE-OIL SHAMPOO, WAVE-SETTING LOTION FOR SETTING OF PERMANENT WAVE OF HAIR, AND SHAMPOO WAVE-SET OILS. ETHEL L. BURNETT, Cleveland, Ohio.
Filed November 5, 1928. Serial No. 274,821. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,728. INSECTICIDES. CARLETON DENDERA, doing business as Deedera Products, Tampa, Fla.
Filed November 15, 1928. Serial No. 275,350. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,729. COOKIES, CANNED VEGETABLES, EVAPORATED MILK, AND TEA. GEO. RASMUSSEN CO., Chicago, Ill.
Filed July 14, 1928. Serial No. 269,604. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,730. CANDIES AND ICE CREAM. MOUNTAIN STATES MARTHA WASHINGTON CANDIES COMPANY, doing business as The Doll House, Salt Lake City, Utah.
Filed July 23, 1928. Serial No. 270,041. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,731. PARTLY-PREPARED FUR SKINS—NAMELY, LAMBSKIN BROADTAIL AND SHEEPSKIN BROADTAIL. DROOKER & SNOWWHITE, INC., New York, N. Y.
Filed August 16, 1928. Serial No. 271,116. PUBLISHED SEPTEMBER 10, 1929. Class 1.
- 264,732. AWNINGS. MORRISON TENT & AWNING CO., St. Louis, Mo.
Filed June 20, 1929. Serial No. 285,870. PUBLISHED SEPTEMBER 10, 1929. Class 50.
- 264,733. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR. JANOME RAYON CORPORATION, Brooklyn, N. Y.
Filed June 19, 1929. Serial No. 285,779. PUBLISHED SEPTEMBER 17, 1929. Class 39.
- 264,734. ASSORTED CHOCOLATES, CANDIES, CAKES, PASTRIES, ICE CREAM, MOUSSES MADE OF SWEETENED AND FLAVORED WHIPPED CREAM WITH THE ADDITION SOMETIMES OF EGG YOLKS AND VARIOUS FRUITS, AND PUDDINGS PRINCIPALLY MADE UP OF ICE CREAM, CAKES, AND FLAVORED WHIPPED CREAM. M. THOURET INC., New York, N. Y.
Filed June 22, 1929. Serial No. 285,992. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,735. CHILDREN'S DRESSES, MISSES' DRESSES, APRONS, SMOCKS, WORK SHIRTS FOR MEN, AND SPORT SUITS FOR WOMEN AND CHILDREN. GOSSETT MILLS, Anderson, S. C.
Filed June 25, 1929. Serial No. 286,117. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,736. LADIES' AND MISSES' COATS, SUITS, GOWNS, FUR COATS, FUR JACKETS, FUR SCARFS, FUR TIPPETS, WAISTS, SWEATERS, AND SKIRTS. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed June 26, 1929. Serial No. 286,178. PUBLISHED SEPTEMBER 17, 1929. Class 39.
- 264,737. LADIES' COATS. I. M. BAGEDONOW, INC., New York, N. Y.
Filed July 1, 1929. Serial No. 286,414. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,738. MEN'S AND CHILDREN'S HATS AND CAPS. SUPERIOR HAT CO., LTD., San Francisco, Calif.
Filed July 27, 1929. Serial No. 287,780. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,739. ALLOYS AND METAL AGGREGATE COMPOSITIONS. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa.
Filed August 1, 1929. Serial No. 287,964. PUBLISHED SEPTEMBER 10, 1929. Class 14.
- 264,740. A PREPARATION FOR THE TREATMENT OF PRICKLY HEAT, SUNBURN, OVERPERSPIRATION, SKIN RASHES, CHAFING, FOR A DEODORANT, SKIN LOTION, AND SKIN CREAM. CHARLES AMMEN COMPANY, LTD., Alexandria, La.
Filed August 2, 1929. Serial No. 287,997. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,741. A PREPARATION TO BE APPLIED TO TOBACCO TO COUNTERACT THE HARMFUL EFFECTS OF SMOKING. LA SOCIETE A RESPONSABILITE LIMITEE NICOTLESS, Paris, France.
Filed August 2, 1929. Serial No. 288,022. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,742. MEDICATED TOOTH PASTES AND MOUTH-WASH TABLETS. GENATOSAN LIMITED, Loughborough, England.
Filed August 3, 1929. Serial No. 288,069. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,743. SEDATIVES. GENATOSAN LIMITED, Loughborough, England.
Filed August 3, 1929. Serial No. 288,070. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,744. VACCINES. GENATOSAN LIMITED, Loughborough, England.
Filed August 3, 1929. Serial No. 288,071. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,745. TOBACCO—NAMELY, SMOKING TOBACCO, INCLUDING GRANULATED, SLICED, PLUG, AND FLAKE PLUG. LARUS & BROTHER CO. INCORPORATED, Richmond, Va.
Filed August 10, 1929. Serial No. 288,383. PUBLISHED SEPTEMBER 17, 1929. Class 17.
- 264,746. DRAINPIPE SOLVENT AND LYE. THE BUCKEYE SODA COMPANY, Palmsville, Ohio.
Filed August 12, 1929. Serial No. 288,415. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,747. LADIES', MISSES', AND CHILDREN'S DRESSES. THE PARIS SHOPS, INC., Cincinnati, Ohio.
Filed July 19, 1929. Serial No. 287,361. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,748. ELECTRIC REFRIGERATOR. GAUS MANUFACTURING CO., INC., St. Louis, Mo.
Filed July 27, 1929. Serial No. 287,750. PUBLISHED SEPTEMBER 24, 1929. Class 31.
- 264,749. MALT SYRUP USED AS A FOOD PRODUCT. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa.
Filed July 27, 1929. Serial No. 287,778. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,750. MALT SYRUP USED AS A FOOD PRODUCT. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa.
Filed July 27, 1929. Serial No. 287,779. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,751. SWIMMING SUITS. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed July 29, 1929. Serial No. 287,821. PUBLISHED SEPTEMBER 10, 1929. Class 39.

- 264,752. SWIMMING SUITS. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed July 29, 1929. Serial No. 287,822. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,753. SWIMMING SUITS. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed July 29, 1929. Serial No. 287,823. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,754. OUTER COATS FOR MEN, WOMEN, AND CHILDREN. COHEN & WHELLAN, New York, N. Y.
Filed July 31, 1929. Serial No. 287,909. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,755. DRESS SHIRTS FOR MEN AND BOYS. ELK BRAND SHIRT & OVERALL CO., Hopkinsville, Ky.
Filed August 1, 1929. Serial No. 287,962. PUBLISHED SEPTEMBER 17, 1929. Class 39.
- 264,756. MEN'S, WOMEN'S, AND CHILDREN'S HO-SIERY AND UNDERWEAR MADE OF KNITTED, NETTED, AND TEXTILE FABRICS AND/OR COMBINATIONS THEREOF. GUS EDELSTEIN BRO. & CO., New York, N. Y.
Filed July 3, 1929. Serial No. 286,538. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,757. MEN'S, WOMEN'S, AND CHILDREN'S UNDERGARMENTS AND THE LIKE—NAMELY, SHIRTS, UNION SUITS, BLOOMERS, STEP-INS, SLIPS, PANTIES, CHEMISES, BRASSIÈRES, PETTICOATS, PAJAMAS, AND NIGHTGOWNS MADE OF KNITTED AND TEXTILE FABRICS. RALPH RAMAGANO, doing business as Ralph Knitting Mills, Philadelphia, Pa.
Filed July 12, 1929. Serial No. 287,010. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,758. HOSIERY FOR MEN, WOMEN, AND CHILDREN, AND KNITTED AND TEXTILE UNDERWEAR OF SILK, COTTON, RAYON, AND MUSLIN FOR MEN, WOMEN, AND CHILDREN. PAUL R. SIGNAL, doing business as Zimmermann & Signal, Los Angeles, Calif.
Filed July 15, 1929. Serial No. 287,160. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,759. SWEATERS AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN. S. AUGSTEIN & CO., New York, N. Y.
Filed July 17, 1929. Serial No. 287,225. PUBLISHED SEPTEMBER 17, 1929. Class 39.
- 264,760. BOW TIES. SOL SHERMAN, New York, N. Y.
Filed July 17, 1929. Serial No. 287,265. PUBLISHED SEPTEMBER 17, 1929. Class 39.
- 264,761. MEN'S, WOMEN'S, AND CHILDREN'S HO-SIERY. BEST MADE SILK HO-SIERY CO., INC., Quakertown, Pa.
Filed July 18, 1929. Serial No. 287,276. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,762. OUTER GARMENTS AND UNDERGARMENTS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed July 19, 1929. Serial No. 287,333. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,763. MEN'S AND BOYS' SUITS, COATS, TROUSERS, AND OVERCOATS. GREENBERG, GALLIN & KEIT, INC., New York, N. Y.
Filed August 1, 1929. Serial No. 287,965. PUBLISHED SEPTEMBER 17, 1929. Class 39.
- 264,764. MEDICINAL SEED—NAMELY, A BOWEL REGULATOR. LANMAN & KEMP, INC., New York, N. Y.
Filed July 20, 1929. Serial No. 287,414. PUBLISHED SEPTEMBER 10, 1929. Class 6.
- 264,765. HONEY. CALIFORNIA VINEGAR CO., doing business as Golden West Honey Co., Los Angeles, Calif.
Filed July 1, 1929. Serial No. 286,418. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,766. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CHILI SAUCE, TOMATO SAUCE, AND MACARONI. A. MANTINI, doing business as Mantini Wholesale Grocery Co., Los Angeles, Calif.
Filed July 1, 1929. Serial No. 286,489. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,767. BRICK. ACME BRICK COMPANY, Danville, Ill.
Filed May 25, 1929. Serial No. 284,598. PUBLISHED SEPTEMBER 17, 1929. Class 12.
- 264,768. BRICK. ACME BRICK COMPANY, Danville, Ill.
Filed May 25, 1929. Serial No. 284,599. PUBLISHED SEPTEMBER 17, 1929. Class 12.
- 264,769. CONCRETE. SWIGERT, HART & YETT, INC., Portland, Oreg.
Filed May 27, 1929. Serial No. 284,704. PUBLISHED SEPTEMBER 17, 1929. Class 12.
- 264,770. A PYROXYLIN-COATED FABRIC TO PREVENT THE SLIPPING OF RUGS. E. I. DUPONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed May 29, 1929. Serial No. 284,779. PUBLISHED SEPTEMBER 17, 1929. Class 50.
- 264,771. FIELD SEEDS—NAMELY, CLOVER, TIMOTHY, SWEET CLOVER, MILLET, FIELD PEAS, RAPE, GRASS, SOY BEANS, ALFALFA, OATS, BARLEY, WHEAT, AND BUCKWHEAT; AND SEED CORN. WELLS-OWEN MILLING COMPANY, De Pere, Wis.
Filed June 3, 1929. Serial No. 284,957. PUBLISHED SEPTEMBER 10, 1929. Class 1.
- 264,772. SUGAR. J. D. AND A. B. SPRACKELS INVENT-MENT COMPANY, doing business as Western Sugar Refinery, San Francisco, Calif.
Filed January 2, 1929. Serial No. 277,514. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,773. CANNED VEGETABLES, FRUIT, FISH, ETC. THE GROCERS' SUPPLY COMPANY, Miami, Fla.
Filed February 8, 1929. Serial No. 279,044. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 264,774. CANNED BAKED BEANS AND CANNED BROWN BREAD. FRIEND BROTHERS, INC., Melrose, Mass.
Filed February 16, 1929. Serial No. 279,462. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,775. CONSTRUCTION MATERIAL CONSISTING OF SAND, CRUSHED ROCK, GRAVEL, CLINKERS, OR OTHER FORMS OF SOLID INERT. HUTCHINSON CO., Oakland, Calif.
Filed December 21, 1928. Serial No. 277,063. PUBLISHED SEPTEMBER 17, 1929. Class 12.
- 264,776. PLYWOOD AND VENEERS WITH ANY KIND OF METAL ON ONE OR DOUBLE SIDE. BISCO-SPERRPLATTEN G. M. B. H., Berlin, Germany.
Filed January 12, 1929. Serial No. 277,880. PUBLISHED SEPTEMBER 17, 1929. Class 12.
- 264,777. RUBBER MATS. ENO RUBBER CORPORATION, Los Angeles, Calif.
Filed April 22, 1929. Serial No. 282,777. PUBLISHED SEPTEMBER 17, 1929. Class 50.
- 264,778. SCREENS AND BACKGROUNDS FOR STORE-WINDOW AND COUNTER USE, ETC. SCULPTON, Philadelphia, Pa.
Filed April 23, 1929. Serial No. 282,880. PUBLISHED SEPTEMBER 17, 1929. Class 50.
- 264,779. FLY SWATTERS. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed April 30, 1929. Serial No. 283,312. PUBLISHED SEPTEMBER 17, 1929. Class 50.
- 264,780. COMPOSITION SHINGLES. THE LOGAN-LONG COMPANY, Franklin, Ohio; Atlanta, Ga.; Fulton, N. Y.; and Chicago, Ill.
Filed May 6, 1929. Serial No. 283,573. PUBLISHED SEPTEMBER 10, 1929. Class 12.

- 264,781. COMPOSITION SHINGLES. THE LOGAN-LONG COMPANY, Franklin, Ohio; Atlanta, Ga.; Fulton, N. Y.; and Chicago, Ill.
Filed May 6, 1929. Serial No. 283,574. PUBLISHED SEPTEMBER 10, 1929. Class 12.
- 264,782. RECONSTRUCTED OR IMITATION MARBLE. MAR-BLO PRODUCTS CORPORATION, New York, N. Y.
Filed May 11, 1929. Serial No. 283,878. PUBLISHED SEPTEMBER 3, 1929. Class 12.
- 264,783. [WITHDRAWN.]
- 264,784. SNARES. ANIMAL TRAP COMPANY OF AMERICA, Littleton, Pa.
Filed May 15, 1929. Serial No. 284,026. PUBLISHED SEPTEMBER 17, 1929. Class 50.
- 264,785. COKE. THE CORRIGAN, MCKINNEY STEEL COMPANY, Cleveland, Ohio.
Filed May 16, 1929. Serial No. 284,118. PUBLISHED SEPTEMBER 17, 1929. Class 1.
- 264,786. SALVE USED IN THE TREATMENT OF RECTAL DISEASES SUCH AS PILES. J. F. KING, Lyons, Nebr.
Filed August 12, 1929. Serial No. 288,424. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,787. PHARMACEUTICAL PREPARATIONS FOR PROPHYLACTIC PURPOSES. LANTERN LABORATORIES INC., Chicago, Ill.
Filed August 12, 1929. Serial No. 288,426. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 264,788. MEN'S AND BOYS' SUITS, OVERCOATS, TROUSERS, KNICKERS, HATS, CAPS, OUTER SHIRTS, GLOVES, RAINCOATS, OVERALLS, SHOES, SLIPPERS, RUBBER FOOTWEAR, SWEATERS, NECKWEAR, UNDERWEAR, HO-SIERY, SUSPENDERS, GARTERS, AND BELTS. CLOTHIERS CORPORATION, Chicago, Ill.
Filed June 12, 1929. Serial No. 285,445. PUBLISHED AUGUST 20, 1929. Class 39.
- 264,789. WOMEN'S AND MISSES' COATS. WEE WOMEN, INC., New York, N. Y.
Filed June 14, 1929. Serial No. 285,610. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 264,790. KETCHUP. CURTICE BROTHERS CO., Rochester, N. Y.
Filed June 18, 1929. Serial No. 285,733. PUBLISHED SEPTEMBER 24, 1929. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

- 264,791. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETERSON NUT COMPANY, Cleveland, Ohio. Filed Aug. 22, 1929. Serial No. 288,868.

FlavorToasted

For Salted Nuts.
Claims use since about Feb. 1, 1927.

- 264,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETERSON NUT COMPANY, Cleveland, Ohio. Filed Aug. 22, 1929. Serial No. 288,869.

NUTTY MIX

For Salted Nuts.
Claims use since May 1, 1927.

- 264,793. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KOELNER WERKZEUGMASCHINENFABRIK VON WILH. QUESTER, Cologne-Suitz, Germany. Filed Aug. 28, 1929. Serial No. 289,118.

Quester.

For Machines Used in the Manufacture of Tobacco—Nameely, Tobacco-Cutting Machines, Rolling Arrangements for Tobacco Rips, Tobacco-Toasting Machines, Steam Dryer, Tobacco Sifting and Cooling Machines, Tobacco Mixing and Sifting Machines, Tobacco Sifting and Drying Machines, Cigarette Machines, Cigar Machines, Packing Machines, Tobacco-Knife-Sharpening Machines.
Claims use since 1908.

- 264,794. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE-PALMOLIVE-PEET COMPANY, Chicago, Ill. Filed Sept. 12, 1929. Serial No. 289,665.

RAPID-SHAVE

For Shaving Soap in Powder Form and Shaving Cream.
Claims use since Dec. 22, 1921.

- 264,795. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD WAMBAUGH, doing business as E. Wambaugh Co., Goshen, Ind. Filed Sept. 20, 1929. Serial No. 290,048.

NICKEL-BRITE

For Brightener Compound for Electroplating.
Claims use since July 20, 1928.

- 264,796. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STA-BRITE PRODUCTS CORPORATION, New Haven, Conn. Filed Oct. 5, 1929. Serial No. 290,721.

STA-BRITE

For Cooking Utensils Made of Base Metal—Nameely, Pots, Pans, Kettles, Broilers.
Claims use since Aug. 9, 1928.

- 264,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAAS DYE COMPANY, Newark, N. J. Filed Oct. 8, 1929. Serial No. 290,793.

MAAS

For Dyes.
Claims use since Apr. 12, 1927.

264,798. (CLASS 39. CLOTHING.) MEYER L. FRIEDLEN, Chicago, Ill. Filed July 19, 1926. Serial No. 234,704.

PROP-R-KNIT

For Knitted Sweaters and Bathing Suits.
Claims use since July 1, 1924.

264,799. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RALSTON SCALES CORPORATION, Columbus, Ohio. Filed Apr. 26, 1928. Serial No. 265,450.

Ralston

For Weighing Scales.
Claims use since Aug. 1, 1927.

264,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORTEZ GROWERS ASSOCIATION, INC., Merced, Calif. Filed Jan. 2, 1929. Serial No. 277,483.

MORNING PICK

For Fresh Vegetables.
Claims use since July 1, 1928.

264,801. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE HADLEY COMPANY, INC., Providence, R. I. Filed Mar. 5, 1929. Serial No. 280,253.

TRIFOLD

For Bracelets.
Claims use since August, 1927.

264,802. (CLASS 37. PAPER AND STATIONERY.) A. W. FABER, INC., Newark, N. J. Filed Mar. 9, 1929. Serial No. 280,478.

COLUMBUS

For Lead Pencils, Crayon Pencils, Colored Pencils, Copying Pencils, Ink Pencils, Screw Pencils, Rubber Pencils, Slate Pencils, Pencil Holders, Pencil Leads, Pencil Point Protectors, Lead-Pencil Fillers, Penholders, Fountain Pens, Pocket Pen Shields, Crayons, Artists' Crayons, Chalks, Chalk Holders, Writing Slates, Writing-Paper Tablets, Parchment Tablets, Notebooks, Memorandum Books, Cross-Section Paper, Paper Cutters, Blotters, Hand Blotters, Rubber Bands, Rubber Pencil Tips, Plastic Erasing Rubber, Rubber Erasers, Thumb Tacks, Artists' Stumps.
Claims use since Apr. 5, 1906.

264,803. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AUSTIN F. BURDICK, doing business as The Snugfit Eye Patch Co., Lansing, Mich. Filed Mar. 16, 1929. Serial No. 280,824.

SNUGFIT

For Eye Patches.
Claims use since July, 1907.

264,804. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WIDLAR COMPANY, Cleveland, Ohio. Filed Mar. 26, 1929. Serial No. 281,386.

Widlar's

For Olives, Mince-meat, Horse-Radish, Whole and Ground Spices, Vegetable Spiced Relish, French Dressing, Thousand Island Dressing, Pickles, Tea, Pickled Onions, Chowchow, Coffee, Salad Dressing, Sandwich Spread, Pickle Relish, Horse-Radish Mustard, Salad Mustard, and Pure Mustard.

Claims use since 1887 on coffee, tea, and spices; since 1919 on salad dressing, Thousand Island dressing, and French dressing; since 1928 on olives; since 1924 on sandwich spread; since July 2, 1925, on pickle relish; since 1926 on pickles, onions, chowchow, horse-radish, horse-radish mustard, vegetable spiced relish, salad mustard, and pure mustard; since Oct. 19, 1928, on mince-meat.

264,805. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROLLAND PRODUCTS COMPANY, Detroit, Mich. Filed Apr. 20, 1929. Serial No. 282,750.

EVER FRESH

For Preparation for Preserving Eggs.
Claims use since Mar. 1, 1928.

264,806. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ELIZABETH BOYD, doing business as Nature-Petal Flower Company, Los Angeles, Calif. Filed June 25, 1929. Serial No. 286,099.

Nature-Petal

For Artificial Flowers.
Claims use since June 14, 1928.

264,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS AND OAKE, INC., Chicago, Ill. Filed July 2, 1929. Serial No. 286,509.

HANDISIZE

For Pork Loaf.
Claims use since Sept. 25, 1928.

264,808. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS AND OAKE, INC., Chicago, Ill. Filed July 2, 1929. Serial No. 286,512.

JUSTRITE

For Ham, Lunch Loaf, Picnic, Sausage in Pickle, and Sandwich Meat.
Claims use since Mar. 15, 1923.

264,809. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Oct. 19, 1928. Serial No. 274,014.

CENTRAL STATION

For Clocks.
Claims use since Oct. 10, 1928.

264,810. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILFRED GEORGE ROBERTSON, Ontario, Calif. Filed Oct. 23, 1928. Serial No. 274,174.

Chantz

For a Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Oct. 18, 1928.

264,811. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRUNE & APRICOT GROWERS ASSOCIATION, San Jose, Calif. Filed Oct. 31, 1928. Serial No. 274,593.

MARLBORO

For Dried Fruits.
Claims use since Oct. 1, 1928.

264,812. (CLASS 37. PAPER AND STATIONERY.) OXFORD PAPER CO., New York, N. Y. Filed Nov. 15, 1928. Serial No. 275,364.

Fenwick

For Book Paper.
Claims use since Oct. 24, 1928.

264,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY OATS COMPANY, Keokuk, Iowa. Filed Nov. 10, 1928. Serial No. 275,407.

INSTANT

For Rolled Oats or Oat Flakes.
Claims use since Dec. 19, 1919.

TRADE-MARK REGISTRATIONS RENEWED

33,327. CIGARETTES AND SMOKING TOBACCO. Registered August 8, 1899. STEPHANO BROTHERS. Renewed August 8, 1929, to Stephano Brothers, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

33,490. AUTOMATICALLY-PROPELLED WHEELED VEHICLES. Registered September 19, 1899. THE "LOCOMOBILE" COMPANY OF AMERICA, Wheeling, W. Va., and New York, N. Y. Renewed September 19, 1929, to Locomobile Company of America, Incorporated, New York, N. Y., and Bridgeport, Conn., a Corporation of New York, assignee by mesne assignments.

33,491. AUTOMATICALLY-PROPELLED WHEELED VEHICLES. Registered September 19, 1899. THE "LOCOMOBILE" COMPANY OF AMERICA, Wheeling, W. Va., and New York, N. Y. Renewed September 19, 1929, to Locomobile Company of America, Incorporated, New York, N. Y., and Bridgeport, Conn., a Corporation of New York, assignee by mesne assignments.

33,492. AUTOMATICALLY-PROPELLED WHEELED VEHICLES. Registered September 19, 1899. THE "LOCOMOBILE" COMPANY OF AMERICA, Wheeling, W. Va., and New York, N. Y. Renewed September 19, 1929, to Locomobile Company of America, Incorporated, New York, N. Y., and Bridgeport, Conn., a Corporation of New York, assignee by mesne assignments.

33,541. REMEDY FOR CERTAIN NAMED DISEASES. Registered October 10, 1899. MAURICE LEPRINCE. Renewed October 10, 1929, to Societe a Responsabilite Limitee "Laboratoires du Docteur Maurice Leprince," Paris, France, assignee.

389 O. G.—4

33,616. CERTAIN NAMED ARTICLES OF STATIONERY. Registered October 24, 1899. JACOBO PEUSER. Renewed October 24, 1929, to Sociedad Anonima Papeleria, Libreria e Imprenta Argentina Casa Jacobo Peuser Limitada, Buenos Ayres, Argentina, a Corporation of Argentine Republic, successor.

33,757. CERTAIN NAMED MANUFACTURED ARTICLES OF ABRASIVE MATERIALS. Registered November 14, 1899. NORTON EMERY WHEEL COMPANY. Renewed November 14, 1929, to Norton Company, Worcester, Mass., a Corporation of Massachusetts, by change of name.

33,792. METAL. Registered November 21, 1899. H. CHANNON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 21, 1929.

33,908. CERTAIN NAMED SILVERWARE. Registered December 19, 1899. GORHAM MANUFACTURING COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed December 19, 1929.

33,923. ROPE DRESSING. Registered December 19, 1899. H. CHANNON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed December 19, 1929.

34,084. HOSIERY. Registered January 30, 1900. RICHMOND HOSIERY MILLS, Rossville, Ga., a Corporation of Georgia. Renewed January 30, 1930.

34,113. MEDICAL COMPOUNDS. Registered February 6, 1900. FRIES BROS. Renewed February 6, 1930, to Harold H. Fries, doing business as Fries Bros., New York, N. Y., successor.

- 34,156. GRASS, CLOVER, AND FIELD SEEDS AND SEED GRAINS. Registered February 6, 1900. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed Feb. 6, 1930.
- 34,161. AN IRON COMPOUND IN THE FORM OF DRY POWDER. Registered February 6, 1900. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J., a Corporation of New Jersey. Renewed February 6, 1930.
- 34,294. GRASS, CLOVER, AND FIELD SEEDS AND SEED GRAINS. Registered March 6, 1900. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed March 6, 1930.
- 34,303. TRANSITS. Registered March 6, 1900. BUFF & BUFF INSTRUMENT MANUFACTURING CO. Renewed March 6, 1930, to Buff & Buff Mfg. Co., Boston, Mass., a Corporation of Massachusetts, successor.
- 34,314. BAGS AND TWINE WITH WHICH TO SEW SAME. Registered March 13, 1900. FULTON BAG AND COTTON MILLS, Atlanta, Ga., a Corporation of Georgia. Renewed March 13, 1930.
- 34,410. CERTAIN NAMED CANNED FOODS, CURED MEATS, AND LARD. Registered April 3, 1900. THE GERMAN AMERICAN PROVISION COMPANY. Renewed April 3, 1930, to Armour and Company, Chicago, Ill., a Corporation of Illinois, assignee.
- 34,411. CERTAIN NAMED PACKING HOUSE PRODUCTS. Registered April 3, 1900. SWIFT AND COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed April 3, 1930.
- 34,441. SPELTER OR SLAB ZINC. Registered April 3, 1900. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Renewed April 3, 1930, to The New Jersey Zinc Company, Newark and Franklin, N. J., a Corporation of New Jersey.
- 69,364. BEER. Registered June 9, 1908. THE SAN FRANCISCO BREWERIES LTD., London, England, and San Francisco, Calif. Renewed June 9, 1928, to Wielands Incorporated, San Francisco, Calif., a Corporation of California, assignee.
- 70,336. POULTRY FEED. Registered August 25, 1908. MILTON C. PETERS, Omaha, Nebr. Renewed August 25, 1928, to American Milling Company, Peoria, Ill., a Corporation of Delaware, successor.
- 70,419. STOCK FOOD. Registered August 25, 1908. MILTON C. PETERS, Omaha, Nebr. Renewed August 25, 1928, to American Milling Company, Peoria, Ill., a Corporation of Delaware, successor.
- 71,318. GROUND HAY OR ALFALFA MEAL. Registered December 15, 1908. MILTON C. PETERS, Omaha, Nebr. Renewed December 15, 1928, to American Milling Company, Peoria, Ill., a Corporation of Delaware, successor.
- 74,593. CERTAIN FOODS. Registered July 27, 1909. LAUDERBACH-BARBER CO. Renewed July 27, 1929, to Lauderbach-Griest Company, Phillipsburg, Pa., a Corporation of Pennsylvania, successor.
- 74,609. FLAVORING EXTRACTS AND CANNED TOMATOES. Registered July 27, 1909. FOSTER, CALDERA & CO. Renewed July 27, 1929, to J. Foster & Company, Fort Smith, Ark., a Corporation of Arkansas, by change of name.
- 74,836. A NEWSPAPER. Registered August 10, 1909. B. PETERS AND CO. Renewed August 10, 1929, to The Brooklyn Daily Times, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.
- 74,854. PITCH FOR USE IN BREWERIES. Registered August 17, 1909. DEUTSCHE KONSERVIERUNGS-GESELLSCHAFT FÜR NÄHRUNGS UND GENUSSMITTEL M. B. H. Renewed August 17, 1929, to Chemische Werke Marienfelde Aktiengesellschaft, Berlin, Germany, a Corporation of Germany, successor.
- 74,859. CIGARS. Registered August 17, 1909. THE INDEPENDENCE CIGAR MFG. CO., Detroit, Mich. Renewed August 17, 1929, to The United States Cigar Company, York, Pa., a Corporation of Pennsylvania, successor.
- 74,899. COUNTING MACHINES. Registered August 17, 1909. THE C. J. ROOT COMPANY, Bristol, Conn. Renewed August 17, 1929, to Veeder-Root Incorporated, Hartford, Conn., a Corporation of Connecticut, successor.
- 74,971. WHEAT FLOUR. Registered August 24, 1909. MALDONADO & CO., INC. Renewed August 24, 1929, to Fernando B. Maldonado, doing business as Maldonado & Co., San Francisco, Calif., successor.
- 74,985. STILLLS. Registered August 24, 1909. IRA H. JEWELL, Chicago, Ill. Renewed August 24, 1929.
- 75,195. EMMENAGOGUE MEDICINES. Registered September 14, 1909. VIAL, Paris, France. Renewed September 14, 1929, to Laboratoire de Pharmacologie, Inc., New York, N. Y., a Corporation of New York, successor.
- 75,320. OVERALLS. Registered September 21, 1909. J. RASHBAUM SONS, Kansas City, Kans. Renewed September 21, 1929, to The Mogul Company, Kansas City, Mo., a Corporation of Missouri, assignee by mesne assignments.
- 75,467. INSULATED WIRE AND INSULATED-WIRE CABLES. Registered October 5, 1909. BOSTON INSULATED WIRE & CABLE COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed October 5, 1929.
- 75,473. STILL AND SPARKLING WINES. Registered October 5, 1909. HENKELL & CO., Mainz, Germany. Renewed October 5, 1929, to Henkell & Co., Wiesbaden Diebrich, Germany, a Copartnership.
- 75,508. GELATIN. Registered October 12, 1909. IMPERIAL MFG. CO., Baltimore, Md. Renewed October 12, 1929.
- 75,519. CERTAIN OILS AND GREASES. Registered October 12, 1909. THE SUPERIOR REFINING CO., Longton, Kans. Renewed October 12, 1929, to The Kanotex Refining Company, Arkansas City, Kans., a Corporation of Kansas, assignee.
- 75,579. PEANUT-OIL. Registered October 19, 1909. NAAMLOOZE VENNOOTSCHAP NEDERLANDSCHE NAAMLOOZE VENNOOTSCHAP FRANSCH-HOLLANDSCHE OLIEFABRIEKEN NOUVEAUX ETABLISSEMENTS CALVE-DELFT. Renewed October 19, 1929, to Naamloose Vennootschap Maatschappij tot Exploitatie der Oliefabrieken Calve-Delft, Delft, Holland, a Corporation of the Netherlands, successor.
- 75,646. TOBACCO-PIPES. Registered October 26, 1909. A. OPPENHEIMER & CO. Renewed October 26, 1929, to Oppenheimer Pipes Ltd., London, England, a Corporation of Great Britain, successor.
- 75,681. CHAINS, VALVES, COCKS, CHAIN COUPLINGS, AND TUBE COUPLINGS. Registered November 2, 1909. DAIMLER-MOTOREN-GESELLSCHAFT, Unterturkheim, near Stuttgart, Germany. Renewed November 2, 1929, to Daimler-Benz Aktiengesellschaft, Stuttgart, Unterturkheim, Germany, a Corporation of Germany, by change of name.
- 75,686. LUBRICATING GREASES. Registered November 2, 1909. PENNA. LUBRICATING CO. Renewed November 2, 1929, to Pennsylvania Lubricating Company, Pittsburgh, Pa., a Corporation of Delaware, assignee.
- 75,777. BOILERS AND HEATERS. Registered November 16, 1909. AMERICAN RADIATOR COMPANY, East Orange, N. J.; Chicago, Ill.; New York, N. Y.; Philadelphia, Pa.; Boston, Mass.; London, England; Paris, France; and Berlin, Germany. Renewed November 16, 1929, to American Radiator Company, New York, N. Y., a Corporation of New Jersey.
- 75,829. STEEL. Registered November 16, 1909. SIEBHORN & DIECKSTAL, LD. Renewed November 16, 1929, to Arthur Balfour & Company Limited, Sheffield, England, a Corporation of Great Britain, by change of name.
- 75,838. YOUTHS' OUTER SUITS. Registered November 23, 1909. CORINTH WOOLLEN MILLS, St. Louis, Mo. Renewed November 23, 1929, to Curlee Clothing Company, Wilmington, Del., and St. Louis, Mo., a Corporation of Delaware, successor.

- 75,868. CIGAR MOLDS. Registered November 23, 1909. THE MILLER, DUBBUL & PETERS MFG. CO., Cincinnati, Ohio. Renewed November 23, 1929, to The Du Brul Manufacturing Co., Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.
- 75,903. LAGER-BEER. Registered November 23, 1909. J. & R. TENNENT LIMITED, Glasgow, Scotland, a Corporation of Great Britain. Renewed November 23, 1929.
- 75,934. WAGONS. Registered November 30, 1909. FLORENCE WAGON WORKS. Renewed November 30, 1929, to Florence Wagon Company, Florence, Ala., a Corporation of Alabama, successor.
- 75,935. WAGONS. Registered November 30, 1909. FLORENCE WAGON WORKS. Renewed November 30, 1929, to Florence Wagon Company, Florence, Ala., a Corporation of Alabama, successor.
- 75,951. A REMEDY FOR GONORRHEA. Registered November 30, 1909. AKTIENGESELLSCHAFT VORMALS B. SINGWIED, Zolingen, Switzerland, a Corporation of Switzerland. Renewed November 30, 1929.
- 76,020. CERTAIN TOOLS AND MACHINERY. Registered December 7, 1909. DAIMLER-MOTOREN-GESELLSCHAFT, Unterturkheim, near Stuttgart, Germany. Renewed December 7, 1929, to Daimler-Benz Aktiengesellschaft, Stuttgart, Unterturkheim, Germany, a Corporation of Germany, by change of name.
- 76,074. WHEAT FLOUR. Registered December 14, 1909. THE KANSAS MILLING COMPANY, Wichita, Kans., a Corporation of Kansas. Renewed December 14, 1929.
- 76,075. WHEAT FLOUR. Registered December 14, 1909. THE KANSAS MILLING COMPANY, Wichita, Kans., a Corporation of Kansas. Renewed December 14, 1929.
- 76,076. WHEAT FLOUR. Registered December 14, 1909. THE KANSAS MILLING COMPANY, Wichita, Kans., a Corporation of Kansas. Renewed December 14, 1929.
- 76,163. CANNED FOOD PRODUCTS. Registered December 21, 1909. THE CINCINNATI ABATTOIR CO. Renewed December 21, 1929, to The E. Kahn's Sons Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.
- 76,224. MEN'S LEATHER SHOES. Registered December 28, 1909. A. E. NUTTLETON CO., Syracuse, N. Y., a Corporation of New York. Renewed December 28, 1929.
- 76,241. BUNTING. Registered December 28, 1909. UNITED STATES BUNTING CO. Renewed December 28, 1929, to United States Bunting Company, Lowell, Mass., a Corporation of Massachusetts, successor.
- 76,258. RUBBER HOSE. Registered December 28, 1909. PEERLESS RUBBER MANUFACTURING COMPANY. Renewed December 28, 1929, to United States Rubber Company, New York, N. Y., a Corporation of New Jersey, assignee.
- 76,260. BAKING-POWDER. Registered December 28, 1909. ROYAL BAKING POWDER COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed December 28, 1929.
- 76,264. REMEDIES FOR BURNS, BRUISES, AND ULCERS. Registered December 28, 1909. CHARLES J. ULBICI, New York, N. Y. Renewed December 28, 1929, to Ernesto Sarra y Hernandez, Havana, Cuba, assignee.
- 76,268. COLORING MATTERS. Registered January 4, 1910. BADISCHE ANILIN & SODA FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed January 4, 1930, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 76,318. A PREPARATION OF CHLOROFORM FOR MEDICINAL USE. Registered January 4, 1910. VERTRIEBS-GESELLSCHAFT PROF. DR. SCHLEICHER'SCHER PRÄPARATE G. M. B. H., Berlin, Germany. Renewed January 4, 1930, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 76,344. MACHETES. Registered January 4, 1910. RALPH MARTINDALE & CO. LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed January 4, 1930.
- 76,347. WHEAT FLOUR. Registered January 4, 1910. THE DAVIS MILLING COMPANY, St. Joseph, Mo. Renewed January 4, 1930, to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey, assignee by mesne assignments.
- 76,352. COUNTING MACHINES. Registered January 11, 1910. THE C. J. ROOT COMPANY, Bristol, Conn. Renewed January 11, 1930, to Veeder-Root Incorporated, Hartford, Conn., a Corporation of Connecticut, successor.
- 76,400. DUPLICATING APPARATUS AND CERTAIN STATIONERY. Registered January 11, 1910. EMIL A. KLARER. Renewed January 11, 1930, to Roneo Company Inc., New York, N. Y., a Corporation of New York, assignee.
- 76,404. PAINT. Registered January 11, 1910. A. PRZE, Dreden, Germany. Renewed January 11, 1930, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 76,442. CRAVATS, NECKTIES, AND NECKSCARFS. Registered January 18, 1910. W. O. HORN & BRO. Renewed January 18, 1930, to W. O. Horn & Brother, Inc., New York, N. Y., a Corporation of New York, successor.
- 76,468. SEDATIVE SUBSTANCES. Registered January 18, 1910. CHEMISCH FABRIK AUF ACTIEN (VORMALS E. SCHERING), Berlin, Germany. Renewed January 18, 1930, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 76,472. SOLDERING FLUXES. Registered January 18, 1910. GESELLSCHAFT M. B. H. CLASSEN & CO., Schöneberg, Germany. Renewed January 18, 1930, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 76,478. ARSENATE OF LEAD. Registered January 18, 1910. MERRIMAC CHEMICAL CO., Boston, Mass. Renewed January 18, 1930, to Bowker Chemical Company, New York, N. Y., a Corporation of New Jersey, assignee by mesne assignments.
- 76,513. SAPPHIRES. Registered January 25, 1910. L. HELLER & SON. Renewed January 25, 1930, to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York, successor.
- 76,542. PHOTOGRAPHIC-DEVELOPING SUBSTANCES. Registered January 25, 1910. CHEMISCH FABRIK AUF ACTIEN (VORM. E. SCHERING), Berlin, Germany. Renewed January 25, 1930, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.
- 76,544. LEAD PENCILS. Registered January 25, 1910. EAGLE PENCIL COMPANY. Renewed January 25, 1930, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.
- 76,556. A MEDICINAL REMEDY FOR FEMALE DISEASES. Registered January 25, 1910. SOUTH BEND REMEDY COMPANY, South Bend, Ind., and Nashville, Tenn., a Corporation of Indiana. Renewed January 25, 1930.
- 76,608. WIRE SCREENS FOR USE AS SPARK ARRESTERS. Registered February 1, 1910. THE W. S. TYLER COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed February 1, 1930.
- 76,618. STOVES AND RANGES. Registered February 1, 1910. A. J. LINDEMANN & HOFERMAN COMPANY, Milwaukee, Wis., a Corporation of Wisconsin. Renewed February 1, 1930.
- 76,621. LEATHER FOR BOOTS AND SHOES. Registered February 1, 1910. GRATON & KNIGHT MFG. CO. Renewed February 1, 1930, to Graton & Knight Company, Worcester, Mass., a Corporation of Massachusetts, assignee.
- 76,676. WHEELBARROWS. Registered February 8, 1910. THE TOLEDO WHEELBARROW COMPANY, Toledo, Ohio, a Corporation of Ohio. Renewed February 8, 1930.

- 76,686. PNEUMATIC CLEANING AND RENOVATING APPARATUS AND PARTS THEREOF. Registered February 8, 1910. ELECTRIC RENOVATOR MANUFACTURING CO., Pittsburgh, Pa. Renewed February 8, 1930, to Invaluable Vacuum Cleaner Manufacturing Co., Dover, Ohio, a Corporation of Delaware, successor.
- 76,716. TOILET PREPARATIONS. Registered February 8, 1910. THE IMPERIAL CHEMICAL MFG. CO., New York, N. Y. Renewed February 8, 1930, to Williams Mfg. Co., Cleveland, Ohio, successor.
- 76,750. SILK PIECE GOODS. Registered February 15, 1910. B. ALTMAN & Co., New York, N. Y., a Corporation of New York. Renewed February 15, 1930.
- 76,755. SWEEPING COMPOUNDS. Registered February 15, 1910. CONTINENTAL MFG. CO., Indianapolis, Ind., a partnership. Renewed February 15, 1930.
- 76,801. REFINED PETROLEUM FOR ILLUMINATING, HEATING, AND POWER PURPOSES. Registered February 15, 1910. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed February 15, 1930.
- 76,802. CERTAIN STEAM SPECIALTIES. Registered February 15, 1910. THE STRONG, CARLISLE & HAMMOND CO., Cleveland, Ohio, a Corporation of Ohio. Renewed February 15, 1930.
- 76,805. TIN. Registered February 15, 1910. WILLIAMS, HARVEY & CO. LIMITED, Hayle, England. Renewed February 15, 1930, to Williams, Harvey & Co. Limited, Liverpool, England, a Limited-Liability Company of Great Britain.
- 76,819. A REMEDY FOR CERTAIN DISEASE. Registered February 15, 1910. NORWAY MEDICINE COMPANY, Norway, Me., a Corporation of Maine. Renewed February 15, 1930.
- 76,873. LUBRICATING OIL. Registered February 22, 1910. CHARLES GARSON, Rochester, N. Y. Renewed February 22, 1930.
- 76,981. LADIES', MISSES', AND CHILDREN'S CLOAKS AND OUTER SUITS. Registered March 1, 1910. THE SUNSHINE CLOAK AND SUIT COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed March 1, 1930.
- 77,051. WOOLEN AND COTTON PIECE GOODS. Registered March 8, 1910. HAMILTON WOOLEN CO., Boston, Mass. Renewed March 8, 1930, to Hamilton Woolen Co., Southbridge, Mass., a Corporation of Massachusetts.
- 77,069. CERTAIN FOODS. Registered March 8, 1910. J. F. HUMPHREYS & Co. Renewed March 8, 1930, to Bunn & Humphreys, Inc., Bloomington, Ill., a Corporation of Illinois, successor.
- 77,101. A REMEDY FOR HEADACHES AND AN ANODYNE. Registered March 8, 1910. EUREKA HEADACHE POWDER COMPANY, Concord, N. H., a Corporation of New Hampshire. Renewed March 8, 1930.
- 77,120. CIGARS. Registered March 8, 1910. WAITT & BOND, INCORPORATED, Boston, Mass. Renewed March 8, 1930, to Waitt & Bond, Inc., Newark, N. J., a Corporation of New Jersey, successor.
- 77,133. ORANGES, LEMONS, LIMES, AND GRAPE-FRUIT. Registered March 15, 1910. WILLIAM N. MOORE. Renewed March 15, 1930, to Elephant Orchards, Redlands, Calif., a Corporation of California, assignee.
- 77,169. INTERNAL-COMBUSTION ENGINES. Registered March 15, 1910. WATERLOO GASOLINE ENGINE COMPANY. Renewed March 15, 1930, to John Deere Tractor Co., Waterloo, Iowa, a Corporation of Iowa, by change of name.
- 77,183. WRITING AND PRINTING PAPER. Registered March 15, 1910. AMERICAN WRITING PAPER COMPANY. Renewed March 15, 1930, to American Writing Paper Company, Incorporated, Holyoke, Mass., a Corporation of Delaware, assignee.
- 77,196. PADS AND HOUSINGS FOR HORSE COLLARS AND HARNESS. Registered March 22, 1910. BURLINGTON BLANKET COMPANY, Burlington, Wis., a Corporation of Wisconsin. Renewed March 22, 1930.
- 77,215. WRITING AND PRINTING PAPER. Registered March 22, 1910. AMERICAN WRITING PAPER COMPANY. Renewed March 22, 1930, to American Writing Paper Company, Incorporated, Holyoke, Mass., a Corporation of Delaware, assignee.
- 77,216. WRITING AND PRINTING PAPER. Registered March 22, 1910. AMERICAN WRITING PAPER COMPANY. Renewed March 22, 1930, to American Writing Paper Company, Incorporated, Holyoke, Mass., a Corporation of Delaware, assignee.
- 77,217. WRITING AND PRINTING PAPER. Registered March 22, 1910. AMERICAN WRITING PAPER COMPANY. Renewed March 22, 1930, to American Writing Paper Company, Incorporated, Holyoke, Mass., a Corporation of Delaware, assignee.
- 77,232. FANCY YARNS. Registered March 22, 1910. FARRINGTON & ELBERFIELD COMPANY. Renewed March 22, 1930, to The Bayer Company, Inc., New York, N. Y., a Corporation of New York, assignee.
- 77,278. NIPPERS, PLIERS, PUNCHES, AND HAND TOOLS. Registered March 22, 1910. THE WILLIAM SCHOLLEHORN COMPANY, New Haven, Conn., a Corporation of Connecticut. Renewed March 22, 1930.
- 77,287. WHEAT FLOUR. Registered March 29, 1910. THE BLISH MILLING COMPANY, Seymour, Ind., a Corporation of Indiana. Renewed March 29, 1930.
- 77,304. CERTAIN SURGICAL INSTRUMENTS. Registered March 29, 1910. F. A. KOCH & Co., New York, N. Y., a Corporation of New York. Renewed March 29, 1930.
- 77,302. WRITING AND PRINTING PAPER. Registered April 5, 1910. AMERICAN WRITING PAPER COMPANY. Renewed April 5, 1930, to American Writing Paper Company, Incorporated, Holyoke, Mass., a Corporation of Delaware, assignee.
- 77,388. HARROWS, REVOLVING PLOWS, CULTIVATORS, AND SEEDERS. Registered April 5, 1910. THE CUTAWAY HARROW CO., Haddam, Conn. Renewed April 5, 1930, to The Cutaway Harrow Company, Higganum, Conn., a Corporation of Connecticut.
- 77,410. MATTRESSES. Registered April 5, 1910. U. S. BEDDING COMPANY, Memphis, Tenn., a Corporation of Georgia. Renewed April 5, 1930.
- 77,430. CERTAIN FOODS. Registered April 12, 1910. A. MOLL GROCER CO., St. Louis, Mo., a Corporation of Missouri. Renewed April 12, 1930.
- 77,466. CIGARS. Registered April 12, 1910. H. TRAISER & COMPANY, INCORPORATED, Boston, Mass., a Corporation of Massachusetts. Renewed April 12, 1930.
- 77,475. PICKLES AND DIGESTIVE RELISH. Registered April 12, 1910. THE MIDLAND VINEGAR COMPANY. Renewed April 12, 1930, to H. P. Sauce Limited, Birmingham, England, a Registered Company of Great Britain, assignee.
- 77,486. CRUSHED STEEL. Registered April 12, 1910. PITTSBURGH CRUSHED STEEL CO., Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 12, 1930.
- 77,518. LUBRICATING OILS. Registered April 19, 1910. CRESCENT OIL COMPANY, Indianapolis, Ind., a Corporation of Indiana. Renewed April 19, 1930.
- 77,528. VARNISHES AND JAPANS. Registered April 19, 1910. THE FORBES VARNISH COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed April 19, 1930.
- 77,559. DIESTOCKS. Registered April 19, 1910. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed April 19, 1930.
- 77,585. CANNED FRUITS AND CANNED VEGETABLES. Registered April 19, 1910. TORSCH PACKING COMPANY. Renewed April 19, 1930, to The Torsch Summers Company, Baltimore, Md., a Corporation of Maryland, assignee.

- 77,593. WHEAT FLOUR. Registered April 19, 1910. WELLS FLOUR MILLING COMPANY, Wells, Minn. Renewed April 19, 1930, to International Milling Company, Minneapolis, Minn., a Corporation of Delaware, assignee.
- 77,664. ENDLESS FELTS OF WOOL, WORSTED, OR HAIR. Registered April 26, 1910. MITCHELLS, ASHWORTH, STANSFIELD & COMPANY, LIMITED, Waterfoot, near Manchester, England, a Company of Great Britain. Renewed April 26, 1930.
- 77,670. COFFEE. Registered April 26, 1910. OLIVER-FINNIE CO., Memphis, Tenn., a Corporation of Tennessee. Renewed April 26, 1930.
- 77,681. PAPER AND ENVELOPS. Registered April 26, 1910. THE TAYLOR-BURT CO. Renewed April 26, 1930, to Taylor-Logan Co., Papermakers, Holyoke, Mass., a Corporation of Massachusetts, by change of name.

LABELS

REGISTERED DECEMBER 3, 1929

- 36,708.—Title: GRAND-TEX. For Toilet Paper. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Published July 17, 1929.
- 36,709.—Title: GEORGE'S HONEY KISS POP CORN. For Flavored and Sweetened Pop Corn. GEORGE'S HONEY KISS POP CORN, INC., Milford, Conn. Published September 1, 1929.
- 36,710.—Title: DR. CLARK'S SANATOLOGICAL OIL HEALTH SCHOOL BRAND. For Medicinal Oil. THE HEALTH SCHOOL INC., Chicago, Ill. Published July 16, 1929.
- 36,711.—Title: ENTEROCAP ORALSULIN, HORMONE OF THE PANCREAS. For Medicinal Preparation. LAFAYETTE PHARMACAL INC., Lafayette, Ind. Published September 25, 1929.
- 36,712.—Title: MANTONE TONIC. For Tonic Medicine. WILLIAM C. NALLE, doing business as Wachsellan Mantone Medicine Co., Baltimore, Md. Published September 5, 1929.
- 36,713.—Title: MOLLY PITCHER. For Cookies. SAVORY BAKING COMPANY, Newark, N. J. Published December 6, 1928.
- 36,714.—Title: BAKER'S WEDNESDAY SPECIAL SOLID PACK PIE PEARS. For Canned Pears. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Published October 14, 1929.
- 36,715.—Title: BAKER'S WEDNESDAY SPECIAL PEARS. For Canned Pears. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Published October 8, 1929.
- 36,716.—Title: BAKER'S WEDNESDAY SPECIAL APRICOTS. For Canned Apricots. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Published September 12, 1929.
- 36,717.—Title: BAKER'S WEDNESDAY SPECIAL SOLID PACK PIE APRICOTS. For Canned Apricots. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Published September 9, 1929.

PRINTS

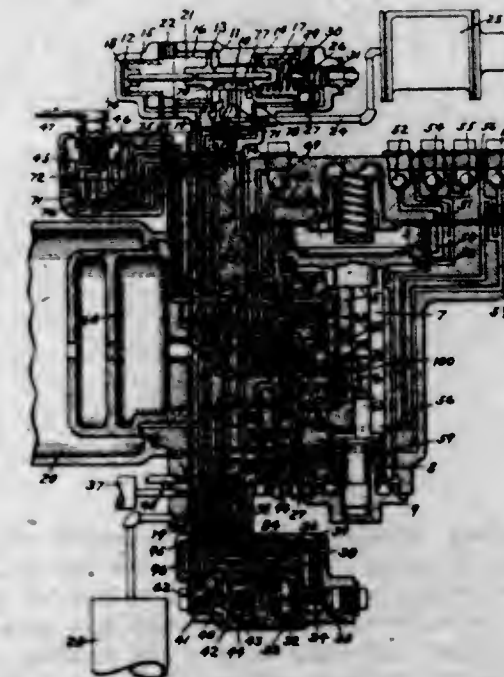
REGISTERED DECEMBER 3, 1929

- 12,237.—Title: VENUS PENCILS—VENUS—LARGEST SELLING QUALITY PENCIL IN THE WORLD—ONLY IN VENUS—WITH ITS 17 PERFECTLY UNIFORM BLACK AND 3 COPYING DEGREES—CAN YOU FIND EXACTLY THE PENCIL YOU WANT. For Pencils. AMERICAN LEAD PENCIL COMPANY, doing business as American Pencil Company, New York, N. Y., and Hoboken, N. J. Published August 31, 1929.
- 12,238.—Title: VENUS PENCILS—LARGEST SELLING QUALITY PENCIL IN THE WORLD—FIVE SENSES ARE YOURS TO USE. For Pencils. AMERICAN LEAD PENCIL COMPANY, doing business as American Pencil Company, New York, N. Y., and Hoboken, N. J. Published September 28, 1929.
- 12,239.—Title: THIS CERTIFICATE IS WORTH \$4.00. For Imitation Pearls. PARAMOUNT DISTRIBUTORS, Chicago, Ill. Published August 23, 1929.
- 12,240.—Title: SIMPLEX. For Piston Rings. THE SIMPLEX PISTON RING COMPANY OF AMERICA, INC., Cleveland, Ohio. Published July 3, 1929.
- 12,241.—Title: WE ISSUE INSURANCE STAMPS. For Insurance Trading Stamps. THOMAS P. TIVY, Chicago, Ill. Published August 30, 1929.

REISSUES

DECEMBER 3, 1929

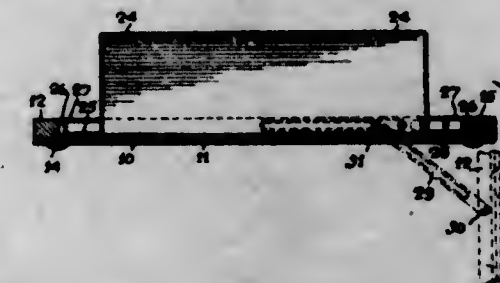
17,509. FLUID-PRESSURE BRAKE. CLYDE C. FARMER, Pittsburgh, and THOMAS H. THOMAS, deceased, Edgewood, Pa., by Mable M. Thomas, executrix, Edgewood, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1929. Serial No. 392,214. Original No. 1,671,089, dated May 22, 1928, Serial No. 79,542, filed Jan. 6, 1926. Renewed Nov. 9, 1927. 35 Claims. (Cl. 303—60.)



1. The combination with a brake cylinder and an auxiliary reservoir, of a brake cylinder pressure maintaining valve means operated according to variations in pressure in the auxiliary reservoir and the brake cylinder for controlling the supply of fluid under pressure to the brake cylinder.

24. In a fluid pressure brake, the combination with a brake pipe, auxiliary reservoir, and a valve device operated upon a reduction in brake pipe pressure for effecting an application of the brakes, of an additional reservoir and means operative in one position of said valve device for supplying fluid under pressure from the brake pipe to the auxiliary reservoir only through a passage through which fluid under pressure is supplied from the brake pipe to said additional reservoir.

17,510. WALL CABINET. JOSEPH A. HORGGER, Jersey City, N. J. Filed Apr. 13, 1929. Serial No. 354,964. Original No. 1,646,200, dated Oct. 18, 1927. Serial No. 64,509, filed Oct. 24, 1925. 7 Claims. (Cl. 312—112.)



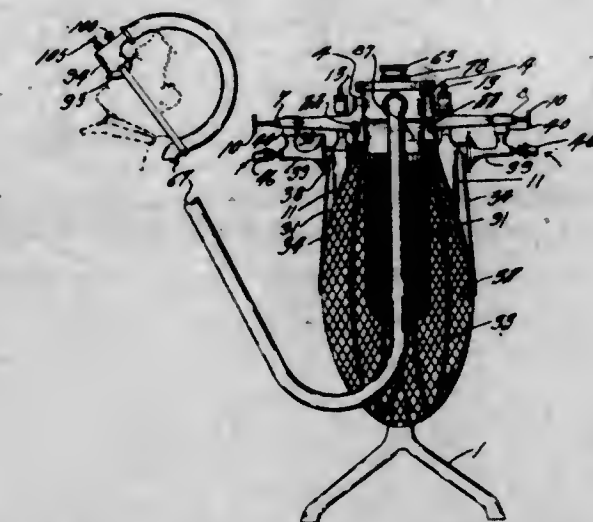
7. A cabinet for use in a wall recess, comprising a box member adapted to be set into an opening in the wall, and a door hinged to the box member, the said door when closed concealing the door hinges, the box member, and the wall opening, and having the attributes of an independent ornamental wall attachment.

17,511. HIGHER ALDEHYDE DERIVATIVE OF REACTION PRODUCTS OF ALDEHYDES AND AMINES AND PROCESS OF MAKING SAME. CLAYTON OLIN NORTH, Akron, Ohio, assignor to The Rubber Service Laboratories Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 22, 1927. Serial No. 242,005. Original application filed Mar. 24, 1923, Serial No. 627,325, patented Feb. 14, 1928, No. 1,659,151. Divided and application filed Mar. 5, 1926, Serial No. 92,616, Patent No. 1,619,953, dated Mar. 8, 1927. 18 Claims. (Cl. 260—130.)

1. A hard resinous compound formed by the action of acetaldehyde on the reaction product of 3 mols of acetaldehyde with 2 mols of aniline.

12. The process of making a resinous material, which comprises reacting acetaldehyde and aniline in the proportion of substantially 3 mols of acetaldehyde to 2 mols of aniline, evacuating water from the product so obtained, introducing acetaldehyde into said product in the proportion of approximately 79.5 parts of acetaldehyde to 132 parts of said product, refluxing the mixture at a temperature above the boiling point of acetaldehyde and below the boiling point of water for several hours, evacuating water, then further heating at a temperature not to exceed 115° C., and then cooling and grinding.

17,512. RESPIRATOR. ELMER I. MCKESSON, Toledo, Ohio. Filed Aug. 13, 1924. Serial No. 731,880. Original No. 1,320,900, dated Nov. 4, 1919, Serial No. 754,682, filed Mar. 17, 1913. 49 Claims. (Cl. 128—203.)



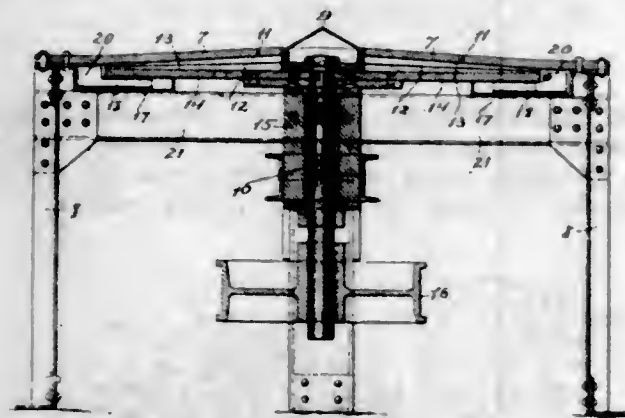
33. A gas administering machine comprising a plurality of sources of fluid supply under pressure, a mixing chamber, a passage way leading from each of said sources of supply to the mixing chamber for conducting each of said gases separately into the mixing chamber, a valve in each of said passageways for admitting gas from its respective source thereto, two flexible expansion members each having separate connection with one of said passage ways and constituting a reservoir for a relatively large volume of gas at a relatively low pressure for delivery therefrom through said passage way to the mixing chamber, and means caused to operate by the movement in expansion and contraction of said flexible members for opening and closing said valves to admit and shut off flow of gas into said reservoirs.

41. An anesthetizing apparatus having a mixing chamber, means for supplying thereto from independent sources of supply a plurality of gases under pressure, an inhaler, a gas-bag adapted to communicate with and be shut off

from said inhaler and said mixing chamber, and a single shiftable valve whereby the mixed gases may be delivered to said inhaler alone or to both said inhaler and said gas-bag.

42. A gas administering device having a chamber, two supply means for gases to said chamber, each including a reserve supply duct and a direct supply reservoir, port means fixing the proportion between the gases supplied to said chamber from said reservoirs, valves exterior of the reservoir controlling gas flow from the reserve supply ducts to the direct supply reservoirs, each of said valves including a housing providing a guide, there being a port in each of said housings, and a member in each of said housings shiftable along said guides for opening and closing said ports, and reservoir pressure control means for adjusting the valves by affecting shifting of said members in said housings as to said ports in thus adjusting the valves to control the flow of the respective gases to the direct supply reservoirs for flow from thence by way of said port means to said chamber.

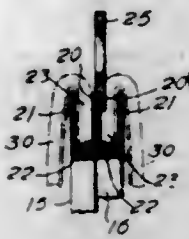
17,513. APPARATUS FOR DISINTEGRATING SUGAR CANE. WILLIAM H. MORGAN, Sr., deceased, Alliance, Ohio, by Annette S. Morgan, executrix, Alliance, Ohio, assignor to Morgan Hurricane Company, New York, N. Y., a Corporation of Florida. Filed June 15, 1928. Serial No. 285,649. Original No. 1,646,761, dated Oct. 25, 1927. Serial No. 34,878, filed June 4, 1925. 26 Claims. (Cl. 146-124.)



20. A machine for disintegrating sugar cane stalks comprising, in combination, cane-confining walls separated

by a relatively narrow space through which the cane stalks are passed, and means for splitting the cane stalks in general directions longitudinally of the stalks while confined in the narrow space between said walls to reduce the same to a fibrous mass.

17,514. POCKETBOOK TOP. CHARLES J. McCABE, Brooklyn, and IRVING SCHOENHOLZ, Cedarhurst, N. Y., assignors to McCabe and Schoenholz, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 12, 1929. Serial No. 399,359. Original No. 1,729,599, dated Sept. 24, 1929. Serial No. 377,374, filed July 11, 1929. 5 Claims. (Cl. 150-29.)



1. A handbag frame comprising U-shaped members hinged to each other at the free ends of the legs of the U, each member being channeled inwardly to provide spaced inner and outer walls extending upwardly and outwardly, whereby the upper and outer ends of the handbag fabric can be passed over the outer surfaces of the outer walls of the channels and over the top edges of such walls and secured in position in such channel, and means for holding said frame members against separation, said means comprising camming locking members carried by the said inner walls and independent of the securing means for the handbag fabric whereby the channels are maintained substantially unobstructed and said inner walls add to the resiliency of the locking members.

DESIGNS

DECEMBER 3, 1929

80,011. COMBINED PYROPHORIC LIGHTER AND BASE. LOUIS V. ARONSON, Newark, N. J., assignor to Art Metal Works, Inc., a Corporation of New Jersey. Filed Aug. 29, 1929. Serial No. 32,597. Term of patent 14 years.



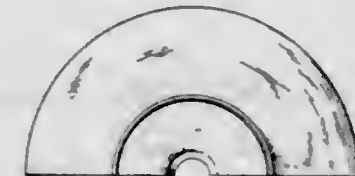
The ornamental design for a combined pyrophoric lighter and base substantially as shown.

80,012. SMOKER'S RECEPTACLE. HARVEY A. BEHN-HARDT, Chicago, Ill. Filed Sept. 13, 1929. Serial No. 32,744. Term of patent 14 years.



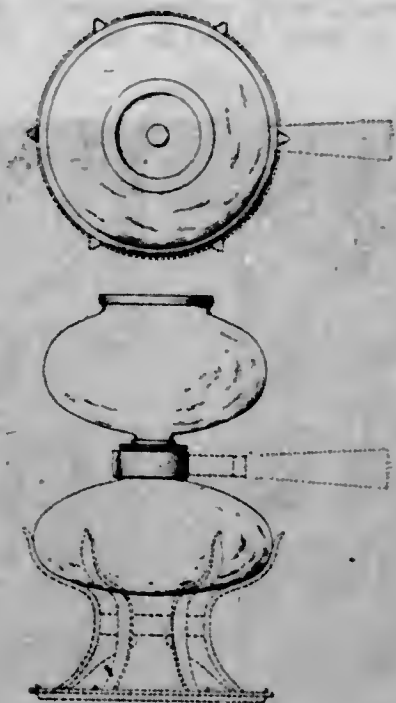
The ornamental design for a smoker's receptacle, as shown.

80,013. UPPER BOWL FOR COFFEE MAKERS. ANNE M. BOEVER, Cambridge, Mass., assignor to The Silix Company, a Corporation of Connecticut. Filed July 16, 1928. Serial No. 27,493. Term of patent 14 years.



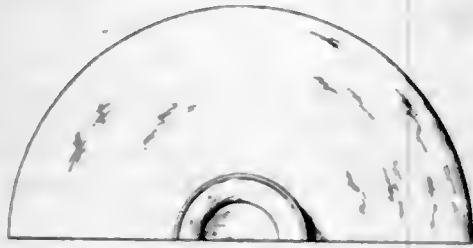
The ornamental design for an upper bowl for coffee makers, substantially as shown.

80,014. COFFEE MAKER. ANNE M. BOEVER, Cambridge, Mass., assignor to The Silix Company, a Corporation of Connecticut. Filed July 16, 1928. Serial No. 27,494. Term of patent 14 years.



The ornamental design for a coffee maker, substantially as shown.

80,015. LOWER BOWL FOR COFFEE MAKERS. ANNE M. BOYER, Cambridge, Mass., assignor to The Sillex Company, a Corporation of Connecticut. Filed July 16, 1928. Serial No. 27,495. Term of patent 14 years.



The ornamental design for a lower bowl for coffee makers, substantially as shown.

80,016. CURTAIN ROD OR SIMILAR ARTICLE. JAMES H. BOYE, Chicago, Ill. Filed Sept. 23, 1929. Serial No. 32,835. Term of patent 7 years.



The ornamental design for a curtain rod or similar article, as shown.

80,017. PRINTED TEXTILE FABRIC. WILLIAM HUSSEY ADAMS, Kenyon, R. I., assignor to Eastern Finishing Works, Kenyon, R. I., a Corporation of Rhode Island. Filed Mar. 21, 1929. Serial No. 30,581. Term of patent 7 years.



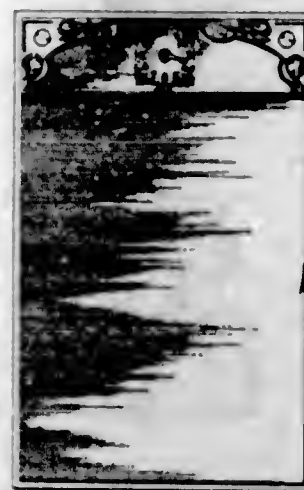
The ornamental design for a printed textile fabric, as shown and described.

80,018. CURTAIN ROD OR SIMILAR ARTICLE. JAMES H. BOYE, Chicago, Ill. Filed Sept. 23, 1929. Serial No. 32,837. Term of patent 7 years.



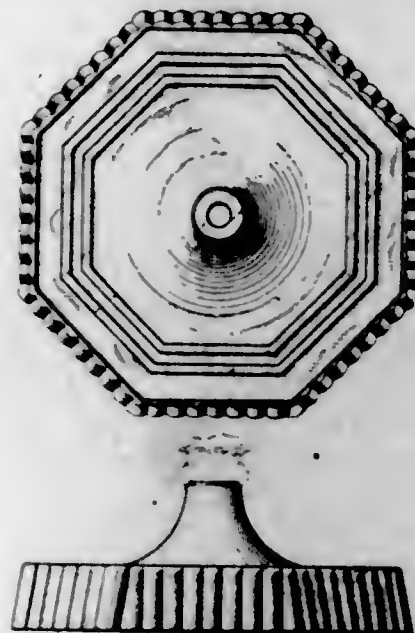
The ornamental design for a curtain rod or similar article, as shown.

80,019. PAD CALENDAR. KEITH CLARK, Ridgewood, N. J. Filed May 18, 1929. Serial No. 31,257. Term of patent 14 years.



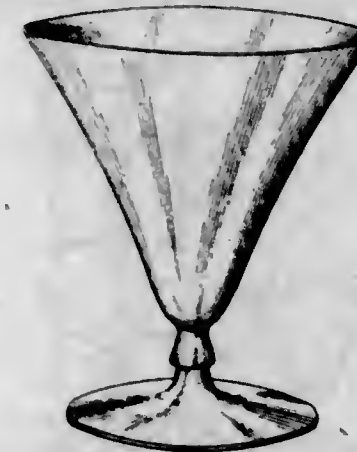
The ornamental design for a pad calendar, as shown.

80,020. LAMP BASE. FRANK COLLINS, New York, N. Y., assignor to Mutual Sunset-Lamp Mfg. Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 2, 1929. Serial No. 29,889. Term of patent 3 1/2 years.



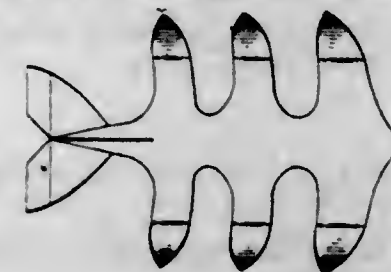
The ornamental design for a lamp base, as shown.

80,021. FOOTED TUMBLER OR SIMILAR ARTICLE. JAMES DUNCAN DITHRIDGE, New York, N. Y., assignor to Bryce Brothers Company, Mount Pleasant, Pa., a Corporation of Pennsylvania. Filed Feb. 4, 1929. Serial No. 29,895. Term of patent 14 years.



The ornamental design for a footed tumbler or similar article, substantially as shown.

80,022. AEROPLANE OR SIMILAR ARTICLE. ERNEST EASINGHAUS, New York, N. Y. Filed Mar. 15, 1929. Serial No. 30,486. Term of patent 14 years.



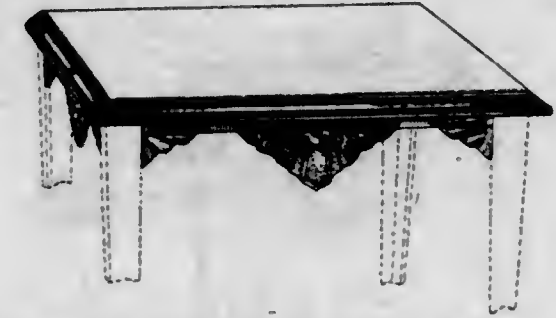
The ornamental design for an aeroplane or similar article, as shown.

80,023. HEAD FOR SMOKING STANDS. EDWARD E. EKVALL, Elgin, Ill., assignor to The W. H. Howell Company, Geneva, Ill., a Corporation of Illinois. Filed Aug. 21, 1929. Serial No. 32,479. Term of patent 3 1/2 years.



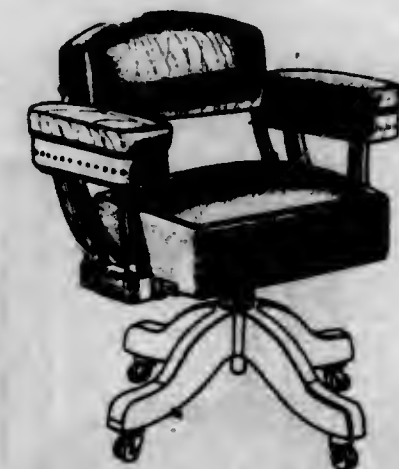
The ornamental design for a head for smoking stands, as shown.

80,024. TABLE TOP. EDWARD E. EKVALL, Elgin, Ill., assignor to The W. H. Howell Company, Geneva, Ill., a Corporation of Illinois. Filed Aug. 21, 1929. Serial No. 32,483. Term of patent 3 1/2 years.



The ornamental design for a table top, as shown.

80,025. CHAIR OR SIMILAR ARTICLE. WILLIAM S. FERRIS, Elkhart, Ind. Filed Aug. 14, 1929. Serial No. 32,406. Term of patent 14 years.



The ornamental design for a chair or similar article substantially as shown.

80,026. COMBINED SALT AND PEPPER SHAKER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 7, 1929. Serial No. 30,378. Term of patent 7 years.



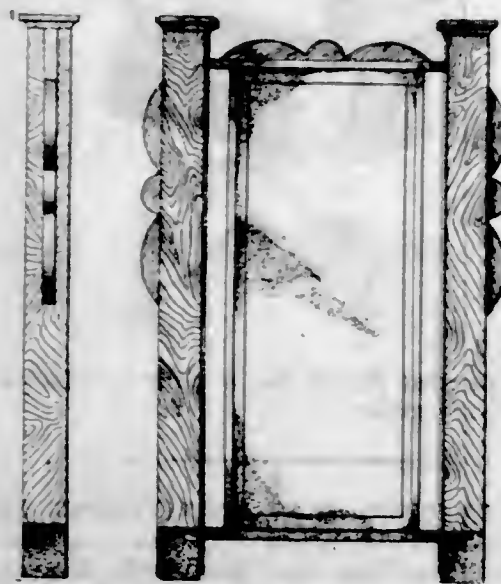
The ornamental design for a combined salt and pepper shaker substantially as shown.

80,027. HOSIERY. ROBERT FRIEDRICH, Philadelphia, Pa. Filed Nov. 20, 1928. Serial No. 28,954. Term of patent 7 years.



The ornamental design for hosiery, as shown.

80,028. POSTER SIGN. UTAH F. FULTZ, Dallas, Tex. Filed Apr. 8, 1929. Serial No. 30,807. Term of patent 7 years.



The ornamental design for a poster sign, as shown.

80,029. CHANDELIER OR SIMILAR ARTICLE. HOMER E. GLEASON, Seattle, Wash., assignor to Cascade Fixture Company, Seattle, Wash., a Corporation of Washington. Filed Aug. 27, 1929. Serial No. 32,556. Term of patent 7 years.



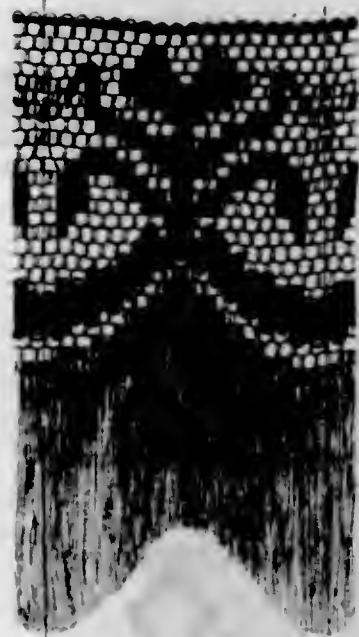
The ornamental design for a chandelier or similar article, as shown.

80,030. DOLL OR SIMILAR ARTICLE. ADOLPH GRAMLICH, New York, N. Y. Filed June 5, 1929. Serial No. 31,549. Term of patent 14 years.



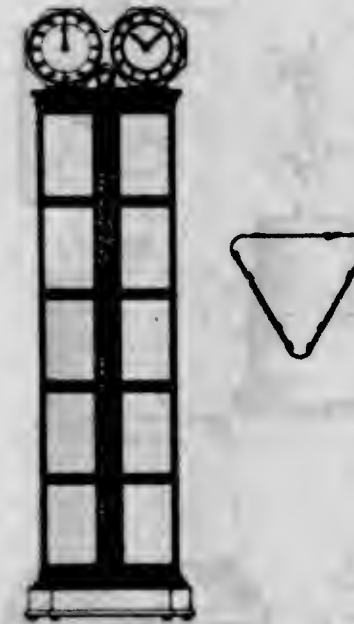
The ornamental design for a doll or similar article substantially as shown.

80,031. FRINGE. ABRAHAM HOLTZ, Bronx, N. Y. Filed Aug. 29, 1929. Serial No. 32,619. Term of patent 3 1/2 years.



The ornamental design for a fringe substantially as shown and described.

80,032. ADVERTISING PEDESTAL FOR CLOCK AND WEIGHING MACHINE. JOHN B. HOLTZ, Los Angeles, Calif., assignor to Invention Development Corporation, Carson City, Nev. Filed Sept. 9, 1929. Serial No. 32,702. Term of patent 14 years.



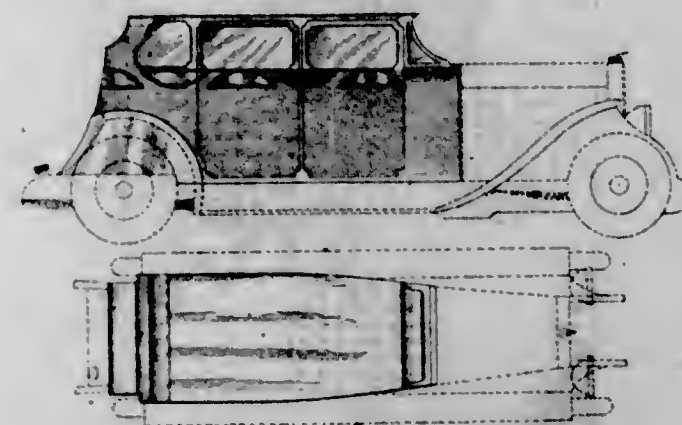
The ornamental design for an advertising pedestal for clock and weighing machine, substantially as shown and described.

80,033. COMBINED PENHOLDER AND DESK PAD. MAX KAHN, New York, N. Y., assignor to Pen-O-Pencil Co., Inc., New York, N. Y., a Corporation of Tennessee. Filed Sept. 8, 1928. Serial No. 28,073. Term of patent 7 years.



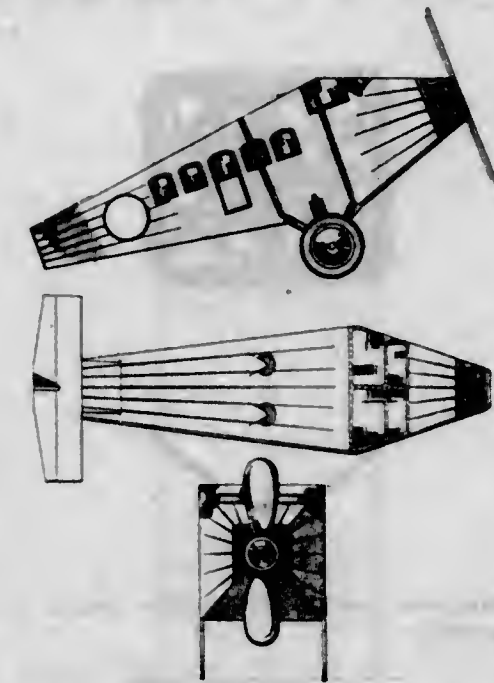
The ornamental design for a combined pen holder and desk pad as shown.

80,034. AUTOMOBILE BODY. LOREN W. KILGOUR, Cleveland, Ohio. Filed Sept. 26, 1928. Serial No. 28,278. Term of patent 7 years.



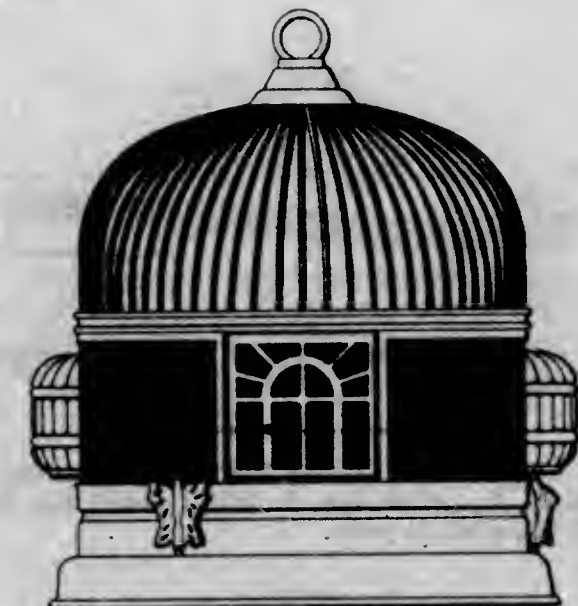
The ornamental design for an automobile body as shown.

80,035. CANDY BOX. EVELYN G. LEVKOFF, Rockaway Park, N. Y. Filed Aug. 21, 1929. Serial No. 32,493. Term of patent 3 1/2 years.



The ornamental design for a candy box, as shown.

80,036. BIRD CAGE. EARL W. LITTLE, Indianapolis, Ind. Filed May 24, 1929. Serial No. 31,399. Term of patent 14 years.



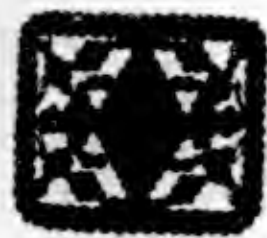
The ornamental design for a bird cage, as shown.

80,037. BIRD CAGE. EARL W. LITTLE, Indianapolis, Ind. Filed May 24, 1929. Serial No. 31,401. Term of patent 14 years.



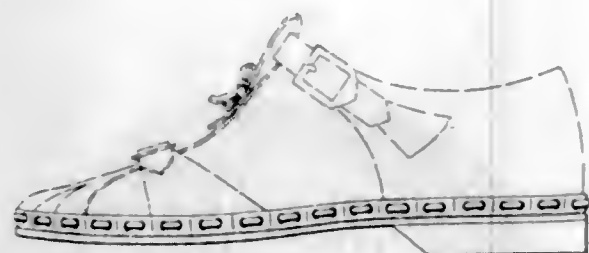
The ornamental design for a bird cage, as shown.

80,038. SHOE BUCKLE OR SIMILAR ARTICLE. MORRIS MANN, Brooklyn, N. Y. Filed Sept. 18, 1929. Serial No. 32,784. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a shoe buckle or similar article as shown.

80,039. SHOE. EDWARD F. MATHEWS, Ypsilanti, Mich., assignor to L. B. Evans' Son Company, a Corporation of Massachusetts. Filed Aug. 7, 1929. Serial No. 32,319. Term of patent 7 years.



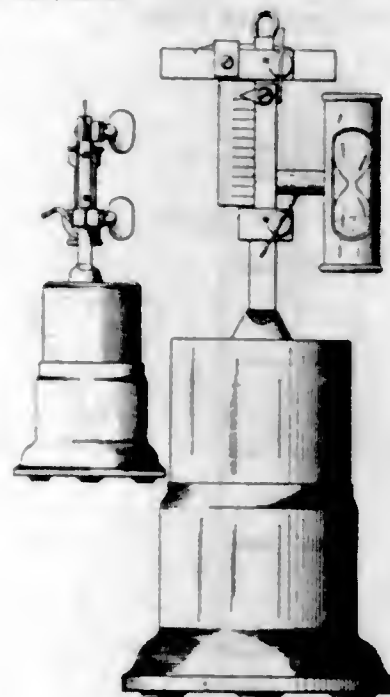
The ornamental design for a shoe substantially as shown and described.

80,040. TOY BANK. JESSIE McCUTCHEON NELSON, New York, N. Y. Filed Jan. 2, 1929. Serial No. 29,482. Term of patent 14 years.



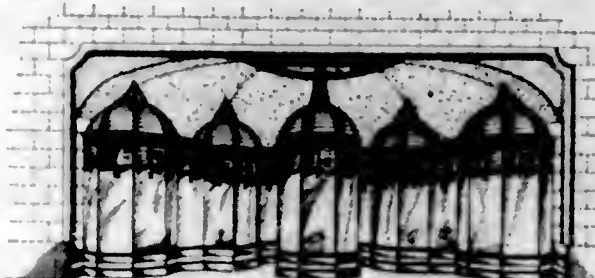
The ornamental design for a toy bank substantially as shown.

80,041. COMBINED FILAMENT STRETCHING AND TIMING ARTICLE. CHARLES NESSLER, Palsades, N. Y. Filed May 13, 1929. Serial No. 31,203. Term of patent 14 years.



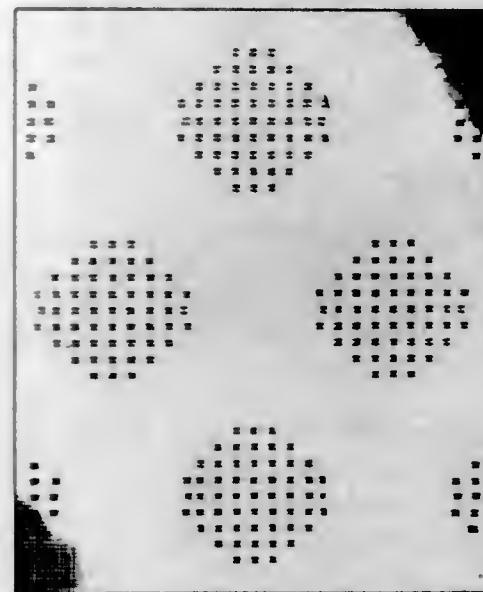
The ornamental design for a combined filament stretching and timing article, as shown.

80,042. STORE FRONT. ISRAEL P. PEARLMAN, Providence, R. I. Filed Jan. 30, 1929. Serial No. 29,843. Term of patent 14 years.



The ornamental design for a store front substantially as shown.

80,043. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed May 15, 1929. Serial No. 31,236. Term of patent $3\frac{1}{2}$ years.



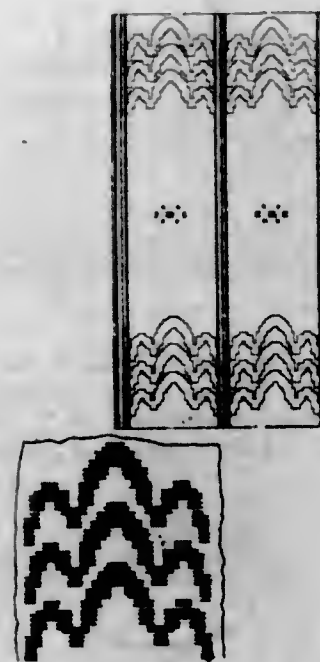
The ornamental design for a textile fabric as shown and described.

80,044. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed May 16, 1929. Serial No. 31,252. Term of patent $3\frac{1}{2}$ years.



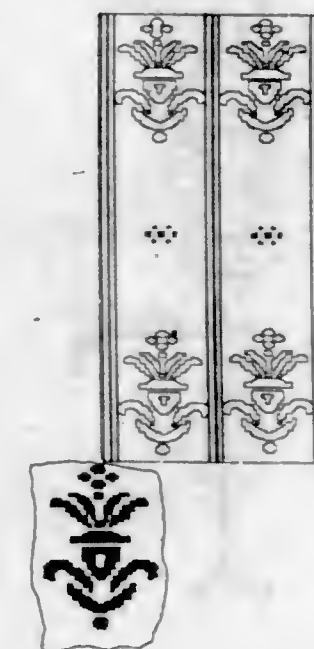
The ornamental design for a textile fabric as shown and described.

80,045. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 17, 1929. Serial No. 32,430. Term of patent $3\frac{1}{2}$ years.



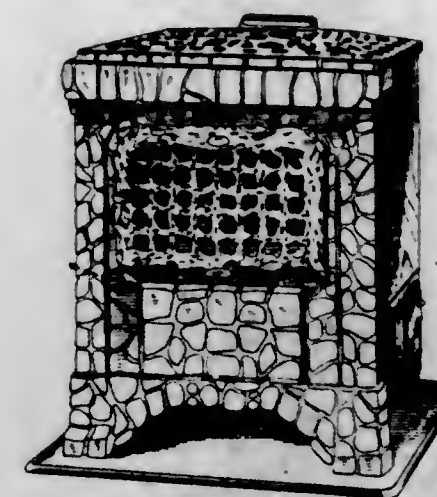
The ornamental design for a textile fabric as shown and described.

80,046. TEXTILE FABRIC. GEORGE H. PERKINS, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 22, 1929. Serial No. 32,504. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric as shown and described.

80,047. CIRCULATING HEATING STOVE. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed Sept. 30, 1929. Serial No. 32,901. Term of patent 7 years.



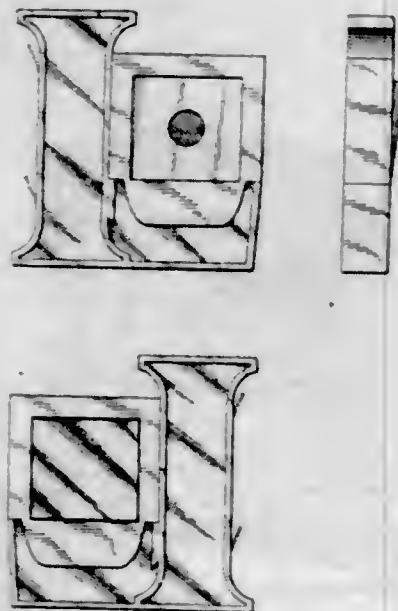
The ornamental design for a circulating heating stove, substantially as shown.

80,048. SUPPORTED AND BRACED CRYPT LAMP. VIRO G. PINAGLIA, West Haven, Conn. Filed Sept. 10, 1929. Serial No. 32,770. Term of patent 7 years.



The ornamental design for a supported and braced crypt lamp, as shown.

80,049. AUTOMOBILE SIGNAL HOUSING. JOSEPH H. POWERS, Cody, Wyo. Filed Aug. 10, 1929. Serial No. 32,373. Term of patent 7 years.



The ornamental design for an automobile signal housing, as shown and described.

80,050. LAMP. VIOLA RAFFAELLI, New York, N. Y. Filed May 2, 1929. Serial No. 31,085. Term of patent 7 years.



The ornamental design for a lamp substantially as shown.

80,051. BOX. LEOPOLD M. REBEL, Paris, France, assignor to Isabey-Paris, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 20, 1929. Serial No. 32,466. Term of patent 7 years.



The ornamental design for a box substantially as shown and described.

80,052. CLOCK HAND OR SIMILAR ARTICLE. MORRIS SALINGER, New York, N. Y., assignor of one-half to Emanuel D. Stein, New York, N. Y. Filed Jan. 31, 1929. Serial No. 29,857. Term of patent 14 years.



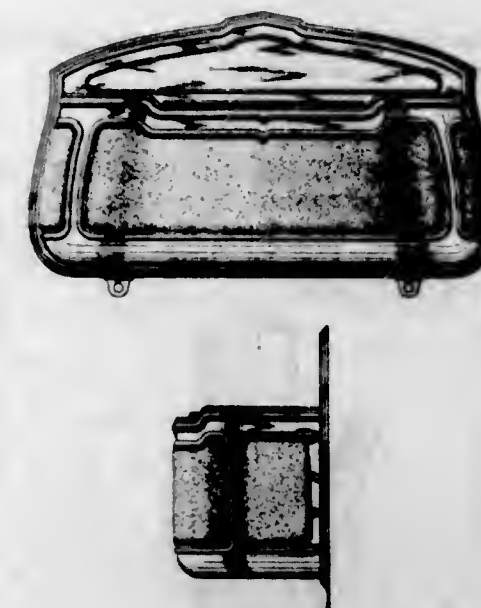
The ornamental design for a clock hand or similar article, as shown.

80,053. LIGHTER FOR CIGARS, CIGARETTES, AND THE LIKE. HENRY T. SCHIFF, Chicago, Ill. Filed Aug. 8, 1929. Serial No. 32,332. Term of patent 3 1/4 years.



The ornamental design for a lighter for cigars, cigarettes and the like, as shown.

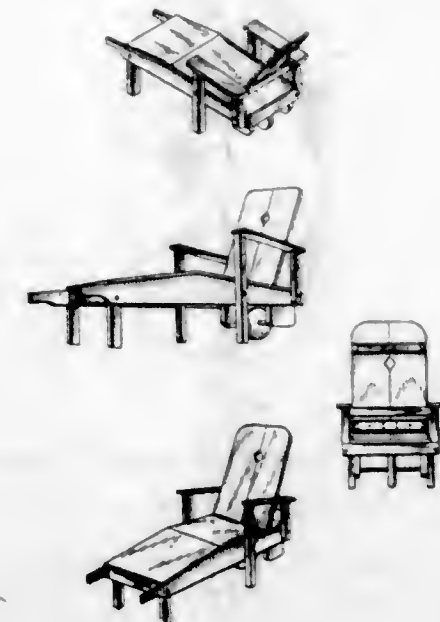
80,054. COMBINED SMOKING AND VANITY CASE FOR AN AUTOMOTIVE VEHICLE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 12, 1929. Serial No. 32,731. Term of patent 7 years.



The ornamental design for a combined smoking and vanity case for an automotive vehicle substantially as shown.

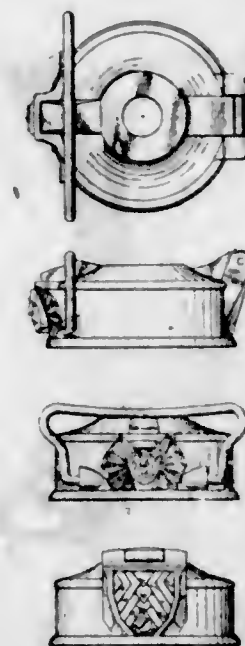
389 O. G.—5

80,055. GARDEN CHAIR. ERNEST SCOTT, Philadelphia, Pa. Filed June 27, 1929. Serial No. 31,850. Term of patent 7 years.



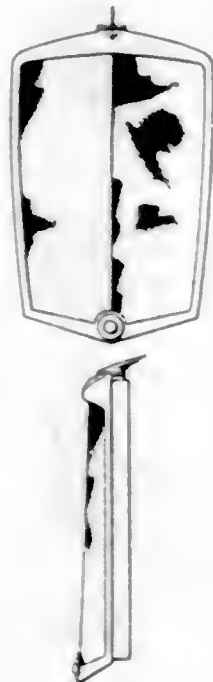
The ornamental design for a garden chair, as shown.

80,056. AUTOMOBILE RADIATOR CAP. ALBERT SEBEK, Cleero, Ill., assignor to Krone-Sebek Die Casting & Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 25, 1929. Serial No. 30,205. Term of patent 3 1/2 years.



The ornamental design for an automobile radiator cap as shown.

80,057. RADIATOR SHELL. JOHN TJAARDA, Rochester, N. Y., assignor to Chrysler Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 5, 1928. Serial No. 27,381. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a radiator shell, as shown.

80,058. VASE ELEMENT OF AN ELECTRIC-LIGHT FIXTURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Jan. 21, 1929. Serial No. 29,700. Term of patent $3\frac{1}{2}$ years.



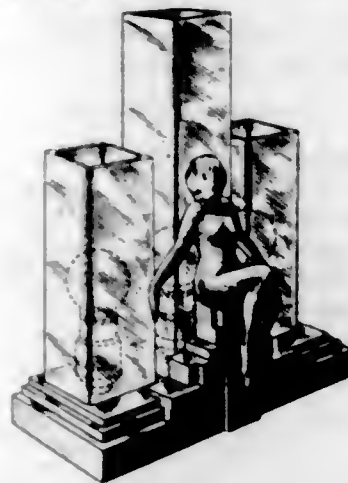
The ornamental design for a vase element of an electric light fixture, substantially as shown and described.

80,059. SMOKING STAND. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed May 15, 1929. Serial No. 31,241. Term of patent 14 years.



The ornamental design for a smoking stand substantially as shown.

80,060. ELECTRIC LAMP OR SIMILAR ARTICLE. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 20, 1929. Serial No. 32,456. Term of patent 7 years.



The ornamental design for an electric lamp or similar article substantially as shown.

80,061. ELECTRIC LAMP OR SIMILAR ARTICLE. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 20, 1929. Serial No. 32,459. Term of patent 7 years.



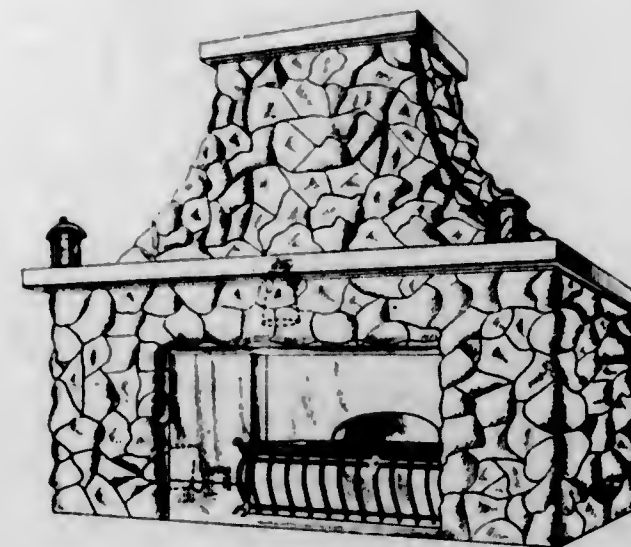
The ornamental design for an electric lamp or similar article substantially as shown.

80,062. SHADE. WALTER VON NESSEN, New York, N. Y., assignor to Efcollite Corporation, a Corporation of New York. Filed Oct. 5, 1929. Serial No. 32,953. Term of patent 7 years.



The ornamental design for a shade substantially as shown.

80,063. STORE BUILDING. HARRY E. WEBB, Tonawanda, and GEORGE F. SEAMES, Buffalo, N. Y. Filed Sept. 15, 1928. Serial No. 28,171. Term of patent 14 years.



The ornamental design for a store building, as shown.

80,064. WATCH. LOUIS WERKSTELL and ALDO COLONORI, Brooklyn, N. Y. Filed Apr. 18, 1929. Serial No. 30,933. Term of patent 14 years.



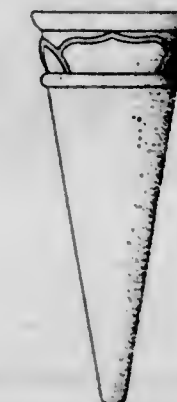
The ornamental design for a watch as shown.

80,065. BUCKLE. THOMAS H. WIGHTMAN, Providence, R. I., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 23, 1929. Serial No. 32,520. Term of patent $3\frac{1}{2}$ years.



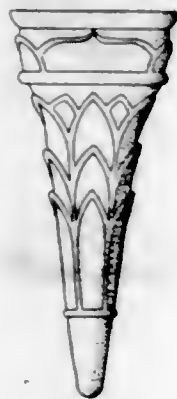
The ornamental design for a buckle, substantially as shown.

80,066. ICE-CREAM CONE. JAMES L. BALTON, Baltimore, Md. Filed Feb. 28, 1929. Serial No. 30,253. Term of patent 14 years.



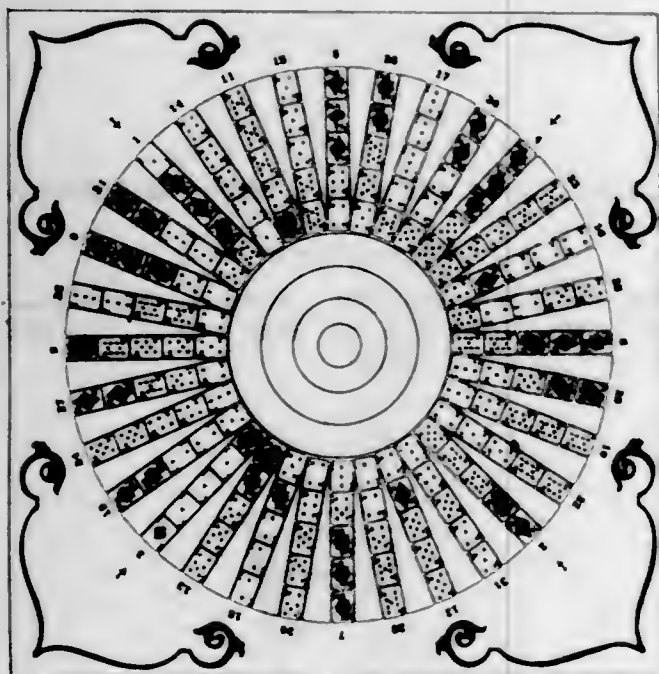
The ornamental design for an ice cream cone, as shown.

80,067. ICE-CREAM CONE. JAMES L. BALTON, Baltimore, Md. Filed Feb. 28, 1929. Serial No. 30,254. Term of patent 14 years.



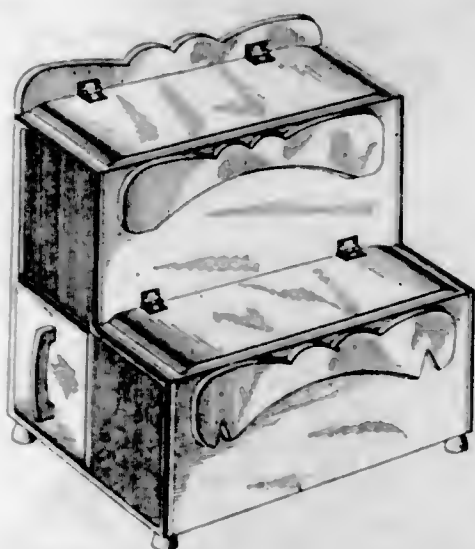
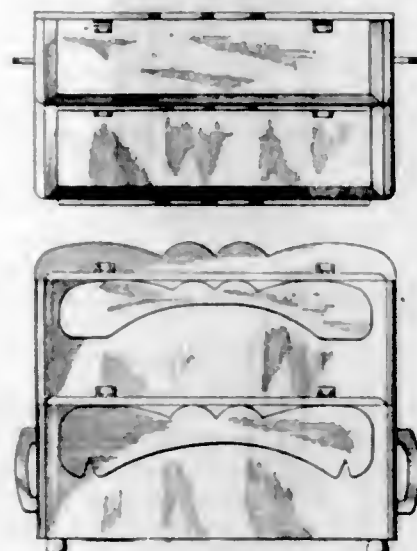
The ornamental design for an ice cream cone, as shown.

80,068. GAME BOARD. ROBERT E. PASLAY, Aberdeen, Wash., assignor to Hoker-Poker Company, Aberdeen, Wash., a Corporation of Washington. Filed Sept. 30, 1929. Serial No. 32,899. Term of patent 14 years.



The ornamental design for a game board, as shown.

80,069. BUREAU. JOHN SOKOL, Muskegon, Mich., assignor of forty-five per cent to Walter Mykiaslewski, Muskegon, Mich. Filed Feb. 18, 1929. Serial No. 30,119. Term of patent 14 years.

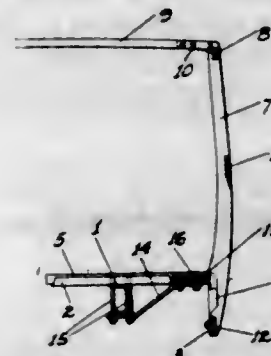


The ornamental design for a bureau as shown.

PATENTS

GRANTED DECEMBER 3, 1929

1,737,547. BUS BODY. SIDNEY S. ALBRIGHT, Sacramento, Calif. Filed July 11, 1927. Serial No. 204,680. 3 Claims. (Cl. 296—28.)



1. In car body construction, a main frame member, cross members secured thereto at intervals and projecting beyond the outer face thereof for some distance, said cross members terminating in downward extensions, body frame posts abutted against and projecting upwardly from the extensions, and a longitudinal bottom stringer disposed between the cross members and the posts at their lower ends and secured to the posts; the posts being cut out to receive the stringer.

1,737,548. SIFTER TOP. CLARENCE G. ARVIDSON, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a Corporation of Illinois. Filed Oct. 3, 1927. Serial No. 223,493. 4 Claims. (Cl. 221—62.)



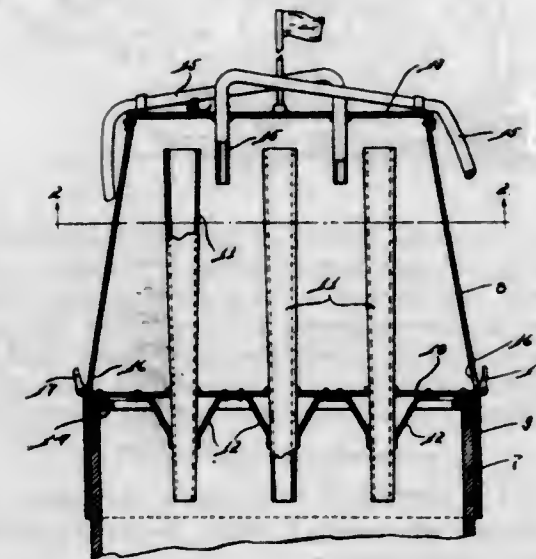
1. A sifter top comprising a sheet metal plate having a plurality of sifter holes formed therethrough, said plate having two slits formed therein, one on each side of said holes and the metal between said slits being struck up from the plane of said plate, a cut-off comprising a slide adapted to fit through both of said slits, and means for limiting the movement of said slide, said slide having holes therein adapted to register with the holes in said plate when said slide is at one limit of its travel.

1,737,549. CLASP. FREDERICK A. BALLOU, Jr., and EUGENE MOREHOUSE, Providence, R. I., assignors to B. A. Ballou & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 29, 1929. Serial No. 350,923. 4 Claims. (Cl. 24—286.)



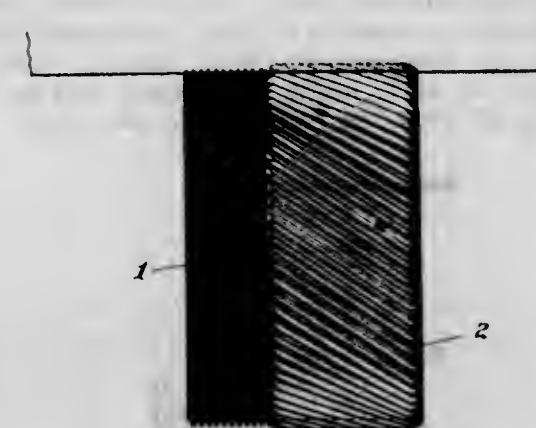
1. A clasp for a chain or the like, comprising a strip of sheet metal folded to provide spaced arms joined by a bend, one arm bent at its free end to form a hook and the other arm engaging the inner surface of the hook with resilient pressure, and means located between said arms of a size to lock the arms against crushing movement at the bend and shorten the resilient length of said other arm.

1,737,550. AIR SUPPLIER. JOHN ADAMS, Detroit, Mich. Filed Feb. 25, 1929. Serial No. 342,410. 5 Claims. (Cl. 114—211.)



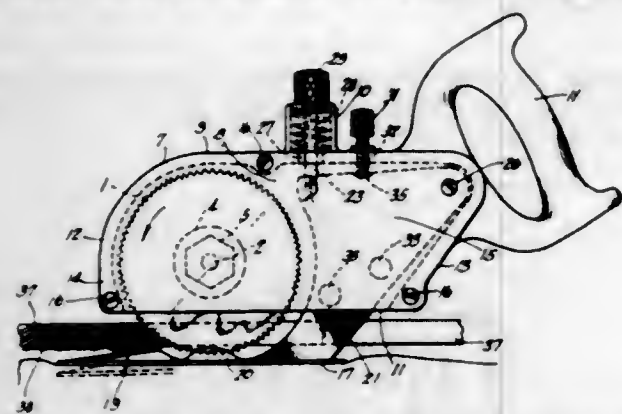
1. An air supplier of the class described adapted for use with a super-structure comprising: a drum; a ring secured to and projecting outwardly from one end of said drum and embracing said super-structure, said drum having openings formed in its sides; swingably mounted closures for said openings; a plurality of tubes communicating with the interior of said drum and projecting into said super-structure; and means for communicating said drum adjacent its upper end with the atmosphere.

1,737,551. BURR FOR DRESSING PULP GRIND-STONES. FRANK W. AIKIN, Watertown, N. Y. Filed Oct. 22, 1925. Serial No. 64,207. 2 Claims. (Cl. 125—37.)



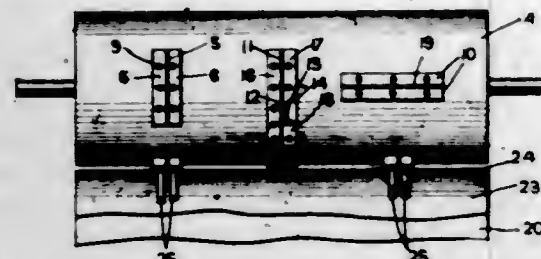
1. A composite burr for dressing pulpwood grindstones comprising two sections combined for simultaneous rotary and simultaneous traversing movement from side to side of the stone, the teeth of one section having edges for scoring the stone and the teeth of the other section being of dissimilar character for dressing the stone surface, one of said sections following the other as the burr is moved from side to side of the stone, both of said sections being cylindrical, and one of said sections having its toothed surface of less diameter than that of the other section, substantially as described.

1,737,552. DEVICE FOR REMOVING PLASTER-OF-PARIS CASTS FROM THE HUMAN BODY. CLAY ALTMAN and RUSSELL D. ALTMAN, Oklahoma City, Okla., and HAZEL VIRGINIA PARKER, Wichita, Kans. Filed May 7, 1929. Serial No. 361,160. 3 Claims. (Cl. 128-317.)



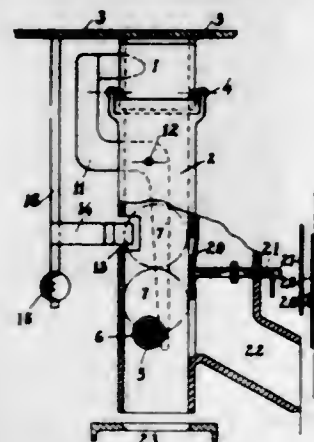
1. A cast removing device, as described, embodying, a power driven circular saw, a housing therefor, a shoe beneath said saw hinged to said housing and adapted for vertical movement, means for controlling the extent of said movement, an upstanding blade upon said shoe in front of said saw, an upstanding rib on said shoe at each side of said saw, all as and for the purposes specified.

1,737,553. DIE ROLL. CHAMPE S. ANDREWS, Chattanooga, Tenn. Filed Feb. 1, 1927. Serial No. 165,067. 7 Claims. (Cl. 93-58.)



7. A die comprising a member having a supporting surface, rule having an upstanding knife portion and a transverse base portion, separate furniture fitting said surface, means for securing said furniture to said surface to hold said base portion between said surface and said furniture, said knife portion projecting up between and above said furniture.

1,737,554. COIN-BOX STATION. MICHELE AUTERI, Milan, Italy, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Filed July 11, 1927, Serial No. 204,828, and in Germany July 23, 1928. 16 Claims. (Cl. 179-6.3.)

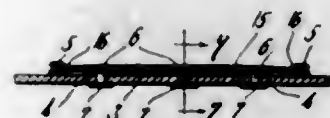


1. In a coin collect telephone station having a laterally movable coin chute, means for moving said chute to collect a plurality of coins deposited therein, a signal device, and means operated during the movement of said chute by a particular one of said plurality of inserted coins for operating said device to transmit a characteristic signal to an intermediate operator.

1,737,555. LUBRICANT. JAMES PIERCE BALDWIN, Los Angeles, Calif. Filed Feb. 14, 1925. Serial No. 9,299. 5 Claims. (Cl. 87-9.)

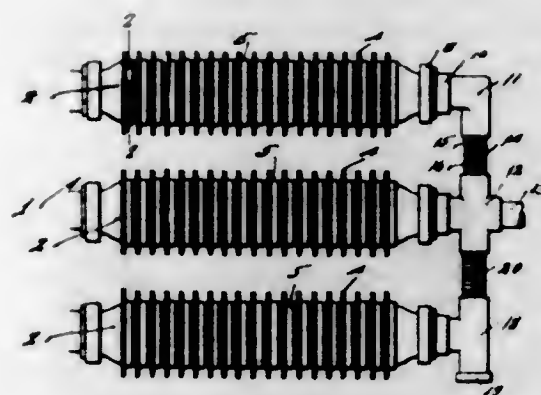
1. A lubricant for shock absorbers of the general type specified, including graphite and a fixed oil of the group consisting of castor oil, lard oil and neat's-foot oil, the graphite comprising at least one-third, by weight, of the lubricant.

1,737,556. SHOE-SHANK STIFFENER. REINHARD E. BARTELS, Lynn, Mass.; Ida M. Bartels and R. Burielgh Bartels executors of said Reinhard E. Bartels, deceased. Filed Sept. 21, 1925. Serial No. 57,541. 4 Claims. (Cl. 36-76.)



3. The combination with a shoe sole and a shank stiffener element attached to said sole, of a reinforcing element overlying said stiffener element and rigidly fixed thereto only and independently of said sole attaching means.

1,737,557. RADIATOR. RALPH HAMILTON BEACH, Royal Oak, Mich., assignor, by mesne assignments, to International Radiator Corp., Port Chester, N. Y., a Corporation of New York. Filed Jan. 31, 1927, Serial No. 164,947. Renewed Oct. 9, 1929. 2 Claims. (Cl. 257-153.)

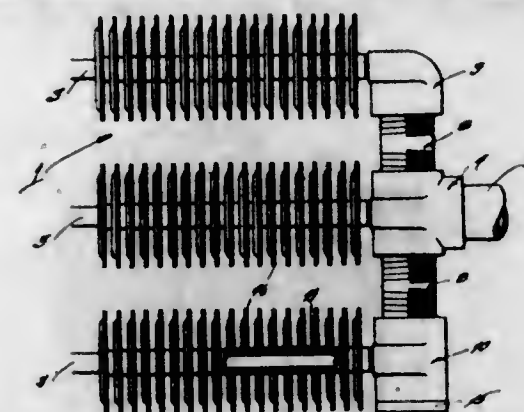


1. A radiator of the class described comprising a plurality of pipe sections having flattened intermediate portions and rounded flanged ends, circulating means for maintaining the pipe sections in spaced relation to each other and detachable therefrom including pipe connections having circular openings therein, the flanges of said rounded pipe ends adapted to bear against said connections around said circular openings and clamping rings for clamping said flanges to said connections, a supply pipe connected to said circulating means, a plurality of apertured heat radiating fins positioned about the flattened portions of each of said pipe sections, and each fin being formed of heavy metal and having a flange around its aperture fitting snugly to the pipe section for maintaining the fin at right angles thereto and in a spaced relation with respect to the adjacent fin.

1,737,558. TEMPERATURE-CHANGING UNIT. RALPH HAMILTON BEACH, Royal Oak, Mich., assignor, by mesne assignments, to International Radiator Corp., Port Chester, N. Y., a Corporation of New York. Filed July 22, 1927, Serial No. 207,755. Renewed Oct. 9, 1929. 2 Claims. (Cl. 257-152.)

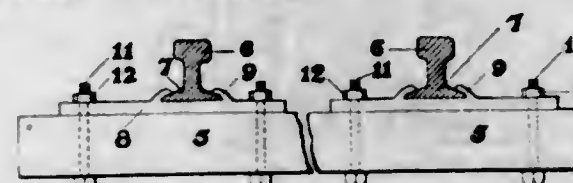
2. In a heating unit of the class described, the combination of a series of flattened radiating tubes and a sup-

ply pipe, a connection for forming communication between the tubes and the pipe, said connection having an offset



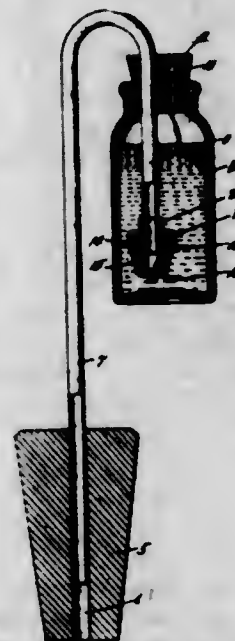
inclined portion within which the tube end is received, and said offset portion directing condensation from the tube into the supply pipe.

1,737,559. TIE PLATE. BURCHARD F. BECKMAN, Fort Smith, Ark. Filed Dec. 4, 1928. Serial No. 323,682. 2 Claims. (Cl. 238-304.)



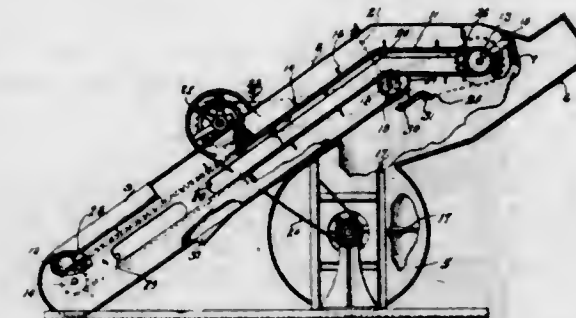
1. A tie-plate having an extended base portion and a plurality of upstanding members integral with the base portion, the space between said members being adapted for receiving the rail base flanges and the members being adapted for distortion toward and into substantial contact with the base flanges for securing the rail to the tie plate, the base portion being provided with bolt holes between the ends of the base portion and the said members, said bolt holes being spaced unequally from their respective adjacent members whereby the plate may be turned and the gauge of the track varied.

1,737,560. GAS OR THE LIKE VENTING DEVICE. FRANK P. BERGER, Chicago, Ill., assignor to Berger Device Mfg. Co. Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 11, 1927. Serial No. 182,704. 15 Claims. (Cl. 137-53.)



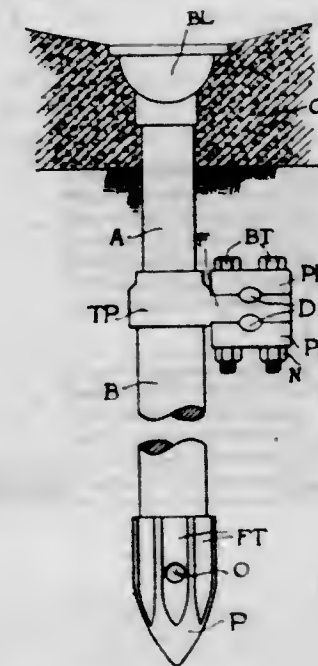
10. In a gas or the like venting device, a vent head, a gas pipe bore therein, a gas pipe communicating with said bore, a gas vent in said head to one side of the gas pipe and communicating with the gas pipe in said head, and a valve for said gas vent, comprising a disc cover slidably mounted on the gas pipe.

1,737,561. PNEUMATIC CONVEYING APPARATUS. GEORGE BERNERT, North Milwaukee, Wis. Filed Apr. 7, 1924. Serial No. 704,788. 9 Claims. (Cl. 302-11.)



1. A pneumatic conveying apparatus, including a conveying air duct, means for procuring a conveying current of air in the duct, a feeding conveyor casing connected with the duct, a moving member in the casing, conveying members carried by the moving member and adapted to convey material through the casing to the air duct, said conveying members having apertures therein, and means for directing a current of air through the apertures of the conveying members after they have discharged the material into the air duct to remove any material tending to adhere thereto.

1,737,562. ELECTRICAL GROUND ANODE FOR ELECTRICAL DISTRIBUTION SYSTEMS. STEPHEN W. BORDEN, Summit, N. J. Filed May 3, 1926. Serial No. 106,397. 3 Claims. (Cl. 173-31.)

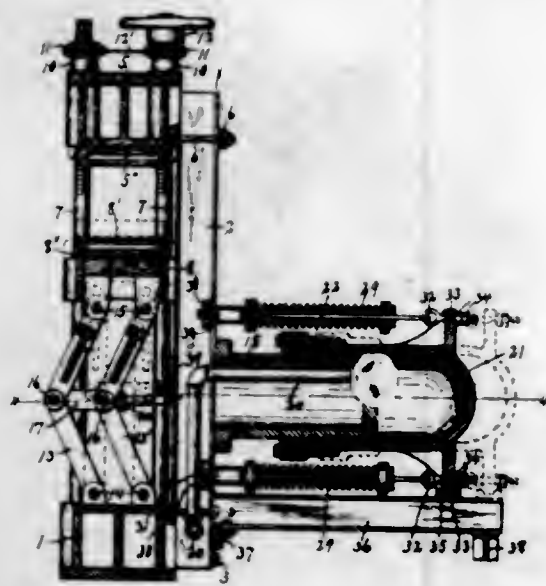


1. A ground electrode consisting of a hollow pipe having a hollow drive point formed with an opening extending through the wall of said point and a cable clamping device affixed to the top of the pipe, the clamping device having a flat, rigid portion, a groove for a cable in the rigid portion, a companion plate for the rigid portion also having a groove for said cable and means for clamping the companion plate and said rigid portion firmly about said cable and the clamping device having also a hollow cylindrical portion with both ends thereof open, one end being internally threaded to receive the pipe.

1,737,563. FLUID-PRESSURE-OPERATED MOTOR. RUFUS E. BOSCHERT, Syracuse, N. Y. Filed July 14, 1926. Serial No. 122,301. 2 Claims. (Cl. 138-10.)

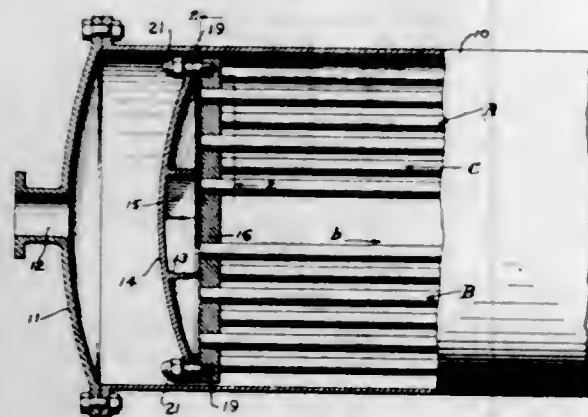
1. A fluid-pressure operated motor comprising a hollow stationary ram having its outer end open and its inner

end provided with a transverse wall, a cylinder reciprocally movable along and upon the periphery of the inner end of the ram and spring-pressed toward the open end of the ram and its outer end closed to form a chamber between



its closed end and the transverse end of the ram, and means for introducing fluid under pressure through said end wall and into said chamber for moving the cylinder in the opposite direction.

1,737,564. FLOATING HEAD FOR TUBE NESTS. CARL F. BRAUN, Pasadena, Calif. Filed Feb. 2, 1927, Serial No. 165,320. Renewed Sept. 3, 1929. 4 Claims. (Cl. 257-239.)

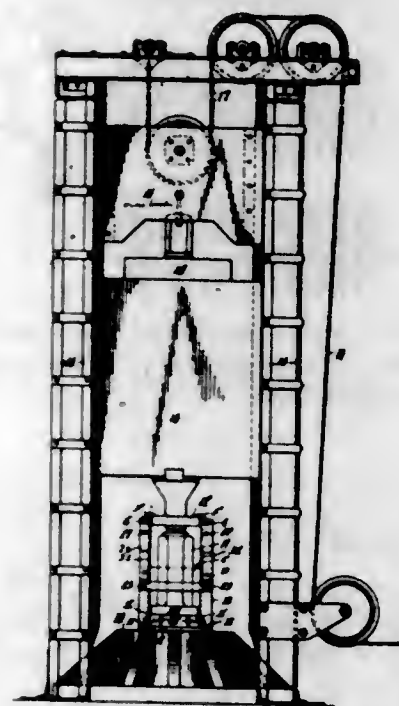


1. In a device of the character described, a floating head for tube nests comprising a tube sheet through which a plurality of tubes extend, fastening bolts carried by the tube sheet and extending from the outer face thereof near the circumferential edge, an annular gasket disposed against said outer face and around the circle of bolts, a concave-convex cap disposed against the end of said tube sheet and having a clamping edge outside the bolt line bearing against the annular gasket, said cap having openings through which the bolts extend, a plurality of gasket washers, one disposed on each of said bolts outside the cap, end blind nuts secured onto the ends of the bolts for fastening the cap to the tube sheet and for clamping the gaskets in position.

1,737,565. TESTING FRAME. ARILD M. BRENNER, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 17, 1925. Serial No. 56,934. 6 Claims. (Cl. 265-13.)

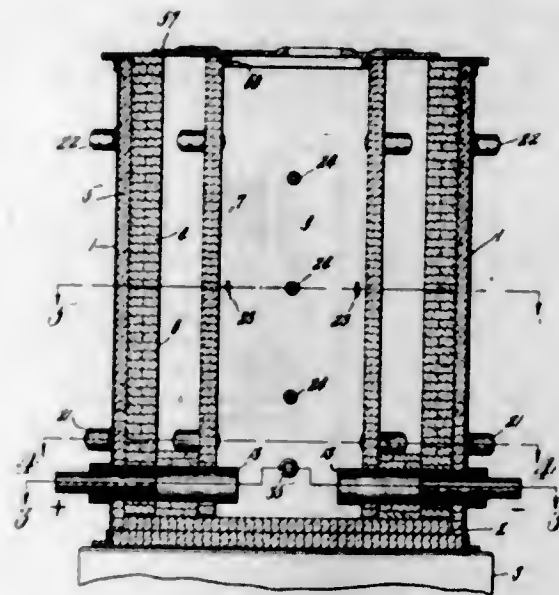
1. In a testing frame for draft gears, the combination with a base; of a pair of spaced side members carried by

said base and adapted to accommodate a draft gear therebetween; and laterally spaced abutments projecting from the adjacent faces of said side members at the opposite



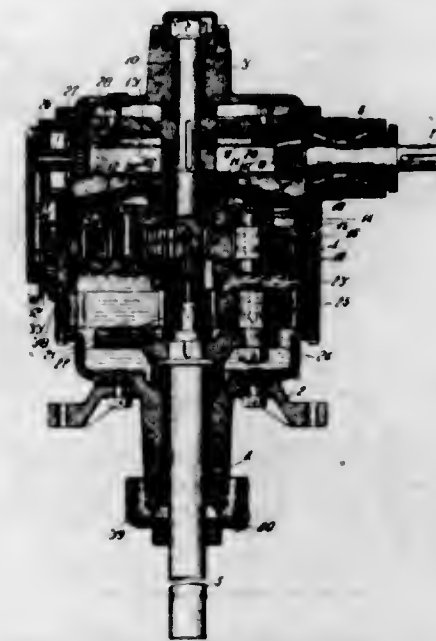
ends thereof, said abutments being adapted to correspond to the front and rear stop lugs of a standard railway draft rigging.

1,737,566. ELECTRIC FURNACE. PAUL BROWN, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed June 17, 1925. Serial No. 37,612. 7 Claims. (Cl. 266-1.5.)



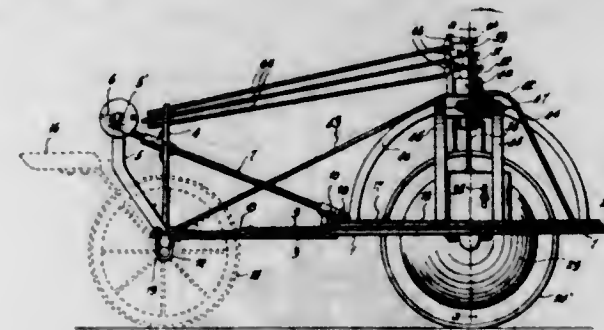
2. A furnace of the type described comprising a vertical reaction shaft, a pair of electrodes near the bottom portion of said shaft, a heating compartment surrounding said shaft and separated therefrom by a refractory heat-conducting wall, said heating compartment including an electro-conductive heating medium and electrodes to which electric current may be supplied for heating said medium, and means entirely closing off said reaction shaft from said heating compartment.

1,737,567. LATERAL-DRIVE SPEED TRANSFORMER. LOUIS E. G. BUEHLER, Oak Park, Ill. Filed Aug. 27, 1926. Serial No. 131,935. 2 Claims. (Cl. 184-6.)



1. In a speed transformer of the type specified, a casing provided between its upper and lower ends with a partition wall constituting a bearing, gearing disposed above and below said wall, a vertical shaft journaled in said bearing and associating the gearing above with the gearing below said wall, the portions of said casing disposed above and below said wall being respectively adapted to contain a given level of oil, a circulating device adapted to transfer oil from the lower to the upper portion of said casing, there being drip openings in said wall arranged to drip oil upon parts in the lower portion of the casing requiring lubrication and arranged above the level of the oil therein and for maintaining a given level of oil in the upper portion of said casing above the highest point in said bearing for permitting flow into the latter, the gearing in the upper portion of said casing including elements projecting below the normal level of oil therein for carrying the same to coating gear elements.

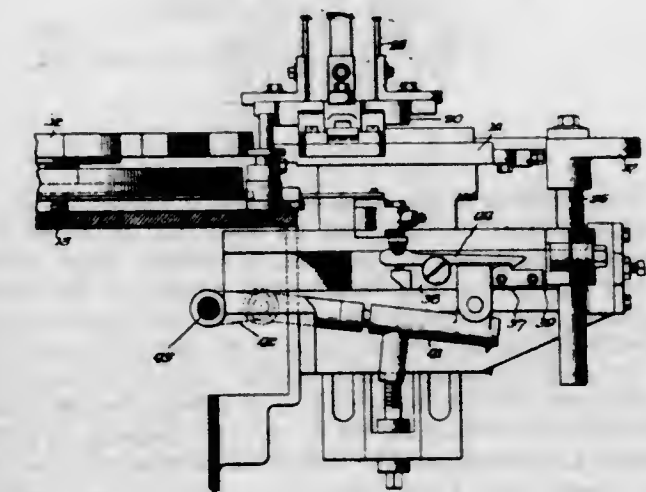
1,737,568. TRACTOR. STEPHEN A. BERRIS, Jourdanon, Tex. Filed Feb. 13, 1928. Serial No. 253,990. 2 Claims. (Cl. 180-13.)



2. In a mechanism of the character described for readily converting a horse-drawn farm implement into a power-driven farm implement, the combination with circular inner and outer frames, rotatable relative to each other; of an extension frame connected to said outer frame; a single wheel supported from and within said inner frame to participate in the turning movement thereof; a motor supported by said inner frame, gearing between said motor and said wheel; said extension frame including adjustable members associated therewith and pivoted to said outer frame; bearing plates secured to the outer ends of certain of said adjustable members for engagement with the axle of said horse-drawn implement to form a quickly attachable connection therebetween; said adjustable members

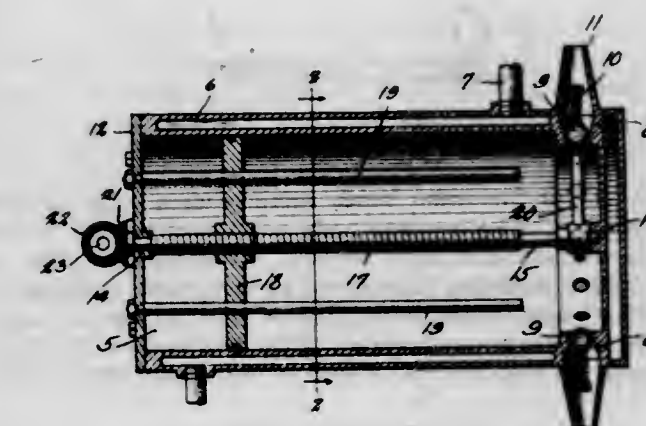
providing means for holding said plates in desired position to vary the distance between said plates in accordance with the dimensions of the axle; and front and rear brace rods in the front and rear of the machine, said brace rods interconnected at their inner ends to form a portion of the outer frame, and supporting an upper bearing for said inner frame, said rear brace rods being adjustably connected to said adjustable members.

1,737,569. CAP-FEEDING MECHANISM. WILLIAM CAMERON, Chicago, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed June 22, 1927. Serial No. 200,641. 18 Claims. (Cl. 113-114.)



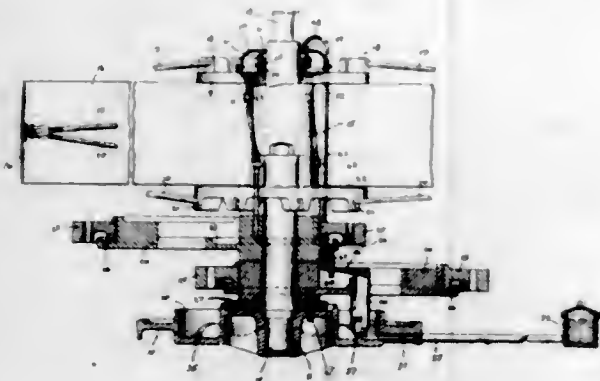
1. In a cap feeding mechanism, the combination of a magazine, and mechanism for feeding caps from said magazine including movable means for partially separating the lowermost cap from the other caps in the magazine, means independent of the first said means and operable subsequently thereto for separating said cap sufficiently to permit the same to be fed from beneath the other caps, and means for feeding said cap from said magazine.

1,737,570. LUBRICATOR. EVERETT P. COLLINS, Chilli-cothe, Ohio. Filed May 25, 1928. Serial No. 280,606. 3 Claims. (Cl. 184-37.)



1. A lubricator of the class described including a cylindrical body portion having a plurality of openings and having discharge nozzles at the openings, valves for controlling the passage of material through the nozzles, a threaded shaft operating in the body portion, an arm on the threaded shaft and adapted to engage the valves to unseat the valves, means for rotating the threaded shaft, and a follower on the threaded shaft for forcing material from the body portion.

1,737,571. LUBRICATING MEANS FOR MACHINES. WILLIAM ARTHUR COOK, Marion, Ind., assignor to Marion Machine, Foundry & Supply Company, Marion, Ind., a Corporation. Filed Oct. 26, 1925. Serial No. 64,906. 2 Claims. (Cl. 308-170.)



1. In apparatus of the kind described, a stationary base having a central portion and an open-top oil reservoir surrounding said central portion, a vertical shaft with its lower end mounted in said central portion of the base, a machine part mounted on said shaft and horizontally revolvable above said base, a vertical pump carried by said revolvable machine part which extends down into said reservoir in the base and is revolved thereby concentric with said shaft so as to travel annularly in said reservoir, a vertically-acting plunger in said pump, a roller on the lower end of the plunger, an upwardly-extending cam track in the bottom of the reservoir and surrounding said central portion of the base and concentric with said shaft in position for said roller to travel thereon as the pump revolves and whereby the pump plunger is operated, a conduit leading from the pump for discharging oil from said reservoir to the upper end of the machine, whereby the oil can be fed by gravity through the machine for lubricating the same, and means for returning said downwardly-moving oil to said reservoir.

1,737,572. NURSERY CHAMBER VESSEL. MARTHA MAUDE COSTIGAN, Clarendon Hills, Ill. Filed Nov. 3, 1928. Serial No. 316,988. 2 Claims. (Cl. 4-134.)

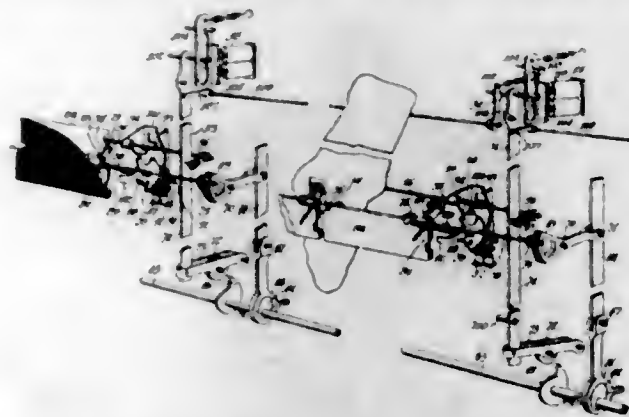


1. A shield for toilet seats comprising a bowl shaped body portion, a lip on said body portion, a trough in the bottom wall of said body portion extending centrally of said lip for draining said body portion, and a flange at the end of said lip extending below said bottom wall and forming a jaw in conjunction with said bottom wall for receiving the rim of a toilet seat of standard construction.

1,737,573. CHANGING SIGN AND DISPLAY APPARATUS. LANCELOT ELDIN DE MOLE, Cremorne, near Sydney, New South Wales, Australia. Filed Mar. 14, 1925. Serial No. 15,591, and in Australia June 17, 1924. 4 Claims. (Cl. 40-52.)

1. A changing sign consisting of a plurality of sections each section including a plurality of foldable shutters superposed on each other, marks on the several shutters adapted to produce a variety of complete display shapes when they are exposed in appropriate combinations, setting means including selectors and pickers for operating

said shutters, electro-magnetic apparatus, sequentially operating checks, means dependent upon the operation of said sequentially operating checks for interlocking the set-



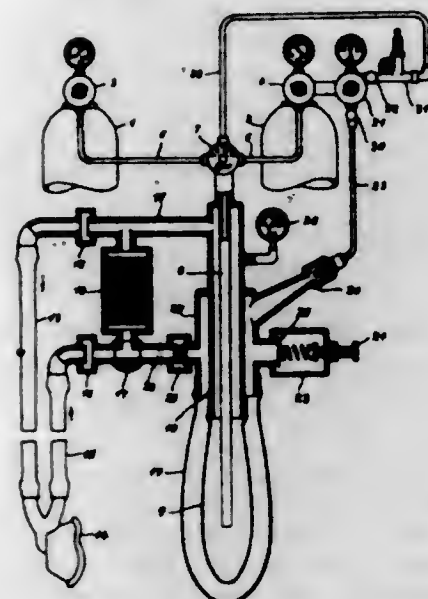
ting means whereby said means will be operative through said electro-magnetic apparatus in each of the several sections for changing the shutter arrangement in each section consecutively.

1,737,574. BUFFING-WHEEL CLOTH AND PROCESS OF MAKING THE SAME. BRADFORD H. DIVINE, Utica, N. Y. Filed Aug. 31, 1928. Serial No. 303,239. 3 Claims. (Cl. 28-1.)



1. The process of manufacturing buffing wheel cotton cloth which consists in supplying the warp with sizing material before weaving, weaving unsized filling threads and said sized warp into cloth, with the weaving tension on the warp low enough relative to the tension on the filling threads to make the warp threads bend appreciably at the crossing points of said warp and filling threads and moistening the woven cloth whereby the size in the warp is partly transferred to the filling and the fibers of the filling threads are bound together.

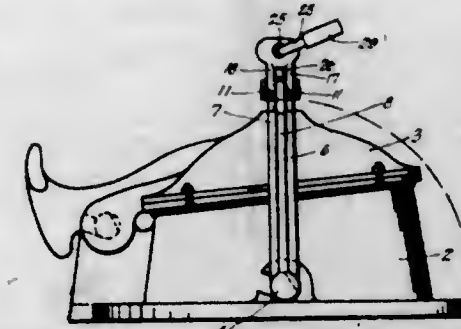
1,737,575. APPARATUS FOR ADMINISTERING GAS. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany; Elfride Dräger, nee Stange, executrix of said Dräger, deceased, assignor to Heinrich Otto Dräger, Lubeck, Germany. Filed Apr. 22, 1926. Serial No. 103,681, and in Germany Oct. 1, 1925. 11 Claims. (Cl. 128-203.)



1. In an apparatus for administering inhalation gas, the combination comprising a casing, a flexible wall subdividing the space thereof into two cells, means delivering

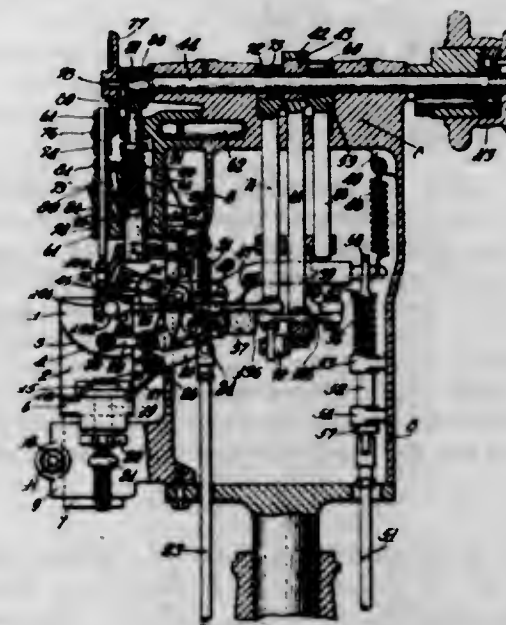
compressed inhalation gas to one cell, an inhalation conduit in communication with that cell, and a conduit for supplying a gas at super-atmospheric pressure to the second cell for producing a substantially constant super-atmospheric gas pressure therein, whereby the compression of the gas in the first cell is maintained substantially constant at super-atmospheric pressure.

1,737,576. COVER LOCK. CONRAD EHRET, Oklahoma City, Okla. Filed Aug. 7, 1928. Serial No. 298,099. 6 Claims. (Cl. 292-260.)



1. In a cover lock, the combination with a ball member pivoted to a tank top, and a thumb screw holding said ball and a tank hole cover together, said ball member and said thumbscrew member adapted to clamp said cover to said tank top, of a clasp having a rounded bifurcated perforated portion pivotally riding said ball member and having an upstanding portion with a central perforation aligned with a perforation in the head of said thumbscrew, said perforations for receiving a locking means.

1,737,577. APPARATUS FOR CUTTING CHANNELS IN PARTS OF FOOTWEAR. ERNST FREDERIK HENRY ENNA, Copenhagen, Denmark. Filed Aug. 11, 1927. Serial No. 212,280, and in Denmark Sept. 11, 1928. 15 Claims. (Cl. 69-1.)

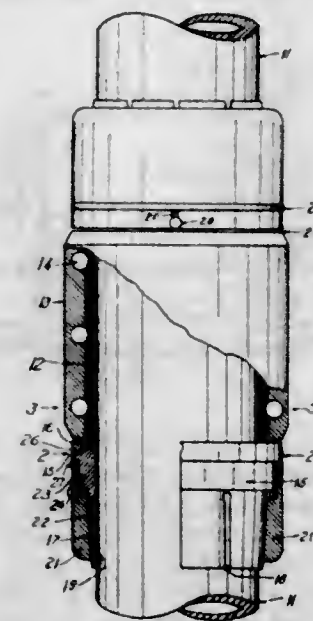


1. In a machine for the purpose described, the combination of means for supporting a shoe-part, and means for producing a series of circular cuts in communicating relation to provide a channel extending parallel to an edge of the shoe-part, each of said circular cuts varying in depth in the direction of the length of the channel.

1,737,578. ANTI-FRICTION PIPE PROTECTOR. GEORGE E. FENTRESS, Los Angeles, Calif., assignor of one-half to Harry H. Isaacs, Los Angeles, Calif. Filed July 6, 1927. Serial No. 203,791. 3 Claims. (Cl. 308-6.)

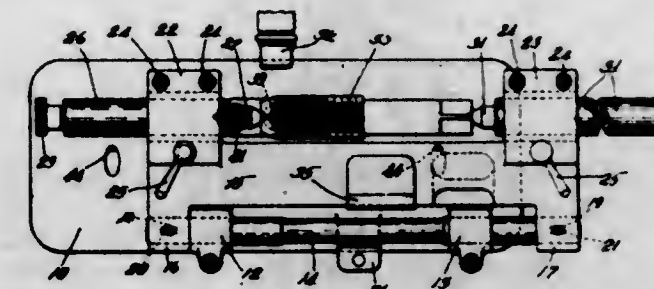
1. An anti-friction protector for attaching to drill pipe, comprising: a cylindrical inner sleeve fitting loosely on

the pipe, a bearing sleeve circumferentially surrounding said inner sleeve and spaced therefrom by a plurality of circumferential rows of bearing balls, outside-tapered rings adapted to be placed abutting each end of said inner sleeve and closely approaching the ends of said bearing



sleeve, said rings being nonintegral with said sleeve and being longitudinally kerfed through their tapered ends, and inside-tapered rings fitted over said kerfed ends and adapted to compress said ends against the pipe when said inside-tapered rings are drawn toward each other.

1,737,579. TAP HOLDER FOR COMPARATORS. RALPH E. FLANDERS and ROBERT O. BEARDSLEY, Springfield, Vt., assignors to Jones & Lamson Machine Company, Springfield, Vt., a Corporation of Vermont. Filed Feb. 14, 1928. Serial No. 254,191. 7 Claims. (Cl. 88-24.)



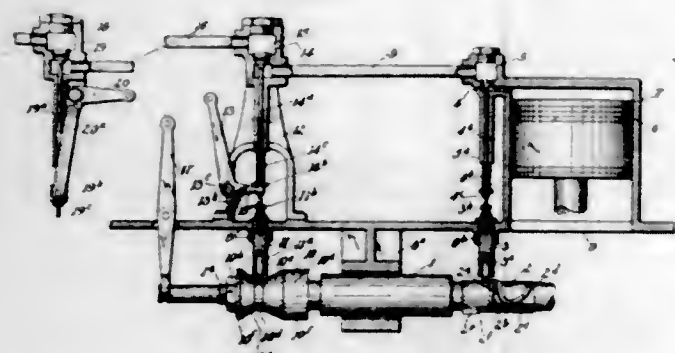
1. A device for holding a tap, comprising a pair of centering points adapted to engage the ends of a tap and to hold it in horizontal position, a supporting member positioned to engage the under side of the tap, and means carrying said centering means and permitting transverse movement thereof with a tap toward and from said supporting member.

1,737,580. CUTTER. GEORGE W. FLEMING, Worcester, Mass., assignor to Fleming Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1928. Serial No. 262,006. 6 Claims. (Cl. 29-105.)



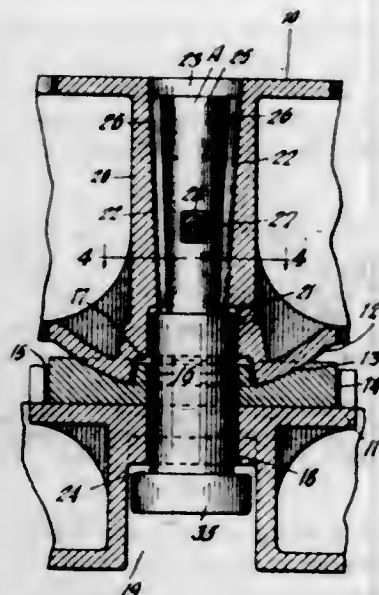
1. As an article of manufacture, a cutter comprising a circular body of soft sheet metal having a series of slots formed therein and a series of steel blades set into said slots and firmly anchored thereto and together constituting a cutting tool, each projecting beyond the sheet metal body on the side opposite its cutting edge and secured firmly thereto on that side.

1,737,581. APPARATUS FOR CONTROLLING AUTOMOTIVE STEAM VEHICLES. CHARLES A. FRENCH and RUSSELL R. WATERMAN, Long Beach, Calif., assignors to Farmers' National Bank of Greenville, Ohio, trustee, Greenville, Ohio, a Corporation of Ohio. Filed Jan. 12, 1925. Serial No. 1,853. 10 Claims. (Cl. 121-143.)



1. In an apparatus for controlling automotive steam vehicles, a steam inlet valve, a throttle valve communicating therewith, a cam shaft provided with an intake cam operating portion and a throttle cam operating portion in fixed relation to each other on the same shaft, means adapted to connect said cam portion with said valves and means for shifting the cam shaft longitudinally.

1,737,582. CAR CONSTRUCTION. HENRY FUCHS, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Dec. 5, 1928. Serial No. 323,808. 8 Claims. (Cl. 105-200.)

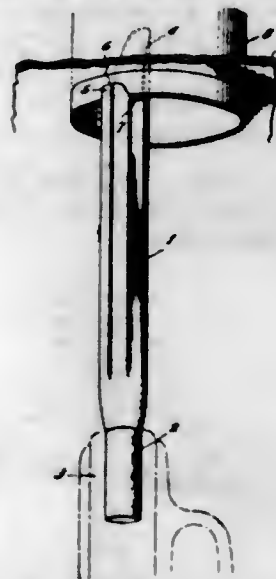


1. In a car construction, the combination with body and truck bolsters having aligned center pin receiving openings, one of said bolsters having a shoulder adjacent its opening and the other bolster having retaining means thereon having an opening providing outwardly expanded wall sections; of a center pin having a head at one end co-operating with said shoulder and an outwardly expanded section at the other end fitting said retaining means, the shape of said expanded section and the shape of said pin openings and the opening of said retaining means being such that the pin may be inserted therethrough while in one position but is prevented from passing therethrough when given a partial turn to engage said expanded section with said expanded wall portions.

1,737,583. BEADING TOOL FOR BOILER FLUES. JAMES R. FURSTENBERG, Cumberland, Md. Filed May 2, 1928. Serial No. 274,614. Renewed Oct. 11, 1929. 3 Claims. (Cl. 153-79.)

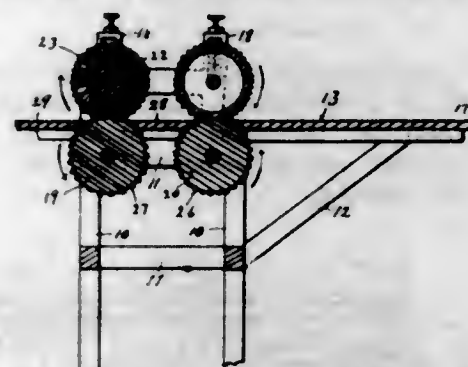
3. A boiler-tube flanger comprising a bar having its forward end formed with a longitudinally extending

tongue and a shoulder spaced from the rear end of the tongue transversely of the bar, a groove being formed across the forward end of the bar between the tongue and



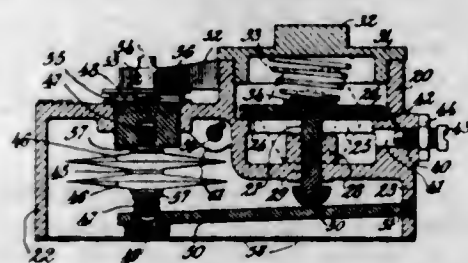
shoulder, the groove being substantially U-shaped in cross-section and gradually increasing in depth towards its ends and having its side walls merging into the inner side faces of the tongue and shoulder.

1,737,584. DEVICE FOR SPREADING AND FEEDING FIBROUS PLANT STALKS AND THE LIKE. FREDERICK P. GARDNER, New York, N. Y. Filed June 18, 1927. Serial No. 190,687. 2 Claims. (Cl. 19-5.)



1. In a device for spreading and feeding plant stalks without injuring the fibre or crushing the stalks, the combination of a frame and a feed table, a pair of feed rolls including a circumferentially corrugated roll operating over said feed table for arranging the stalks in parallel, a second set of rolls including a brush roll spaced apart from said first pair of feed rolls for smoothing out the arranged plant stalks and to feed the same at a uniform rate, and tension devices for adjustably holding the corrugated roll and the brush roll above said feed rolls.

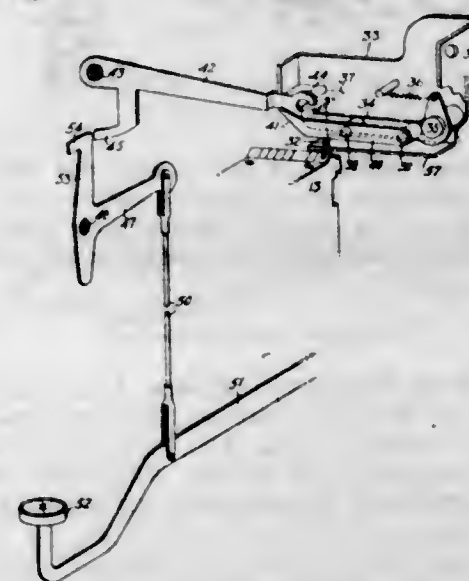
1,737,585. THERMOSTATIC VALVE. EDWARD E. GOLD, New York, N. Y., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y., a Corporation of New York. Filed July 23, 1927. Serial No. 207,967. 7 Claims. (Cl. 236-99.)



1. A thermostatic valve comprising a valve seat having a port therein, a closure therefor, a spring by which said

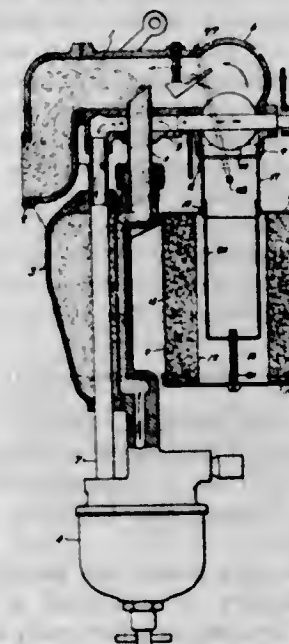
closure may be moved to and maintained in a port-closing position when free, a thermostat adapted to be expanded and contracted respectively by increases and decreases of temperature, and a lever coupled to said thermostat by which said closure may be moved to a port-opening position against the effort of said spring when said thermostat is contracted, said lever having its operative connections with said thermostat and said valve closure so related that one of said connections is intermediate the fulcrum of the lever and the other connection, the lever being freely movable when the thermostat is expanded to a position free from controlling influence over said closure.

1,737,586. COMBINED TYPEWRITING AND COMPUTING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1925. Serial No. 61,471. 3 Claims. (Cl. 235-59.)



3. In a combined typewriting and computing machine, the combination with a jumping totalizer having a device therein controlled by the state of said totalizer as to clear and not clear, of a key for printing a characteristic mark, a lock for said key, and means controlled by said device for maintaining said lock unlocked when said cross totalizer is both clear and in its jumped-back position and locked at all other times.

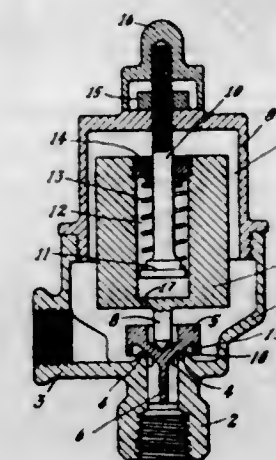
1,737,587. AIR FILTER. NORMAN T. HIESTER, Dayton, Ohio. Filed Aug. 24, 1927. Serial No. 215,231. 2 Claims. (Cl. 183-73.)



1. An air filter of the character described, including two circular spaced heads, marginal flanges projecting from

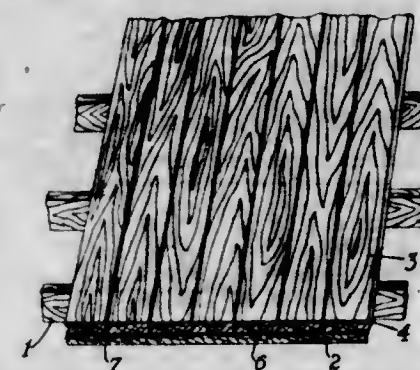
the inner faces of said heads, one of the heads having a concentric opening therein, a pair of concentric perforate cylinders interposed between the heads, the ends of the outer cylinder being enclosed within the marginal flanges of the heads, a tubular neck portion having peripheral beads in spaced relation with its ends, one end of the neck being extended into the opening of said open head the extent of insertion being limited by one of said peripheral beads, the other end of the neck portion being for insertion in the orifice of an air conduit to the limit defined by the other peripheral bead, said neck and opening in the head being of somewhat less dimension than the inner perforate cylinder, a U-shaped stirrup attached to the neck portion and extending within the inner cylinder, means for detachably engaging the stirrup with the head at the end of the structure opposite the neck, attachment means carried by the neck portion and adapted to engage the air intake conduit, and a body of fibrous filter material interposed between the cylinders.

1,737,588. INCASED ADJUSTABLE WEIGHT-LOADED VALVE. FRANK H. HOPKINS, Arlington, and FRANK B. WOODMAN, Worcester, Mass., assignors, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 10, 1925. Serial No. 74,588. 6 Claims. (Cl. 251-145.)



1. A valve comprising a casing having inlet and outlet passages, a valve proper arranged to seat over the communication between said passages, a weight contained within said casing and arranged to exert pressure on said valve, a spring arranged to exert force on said weight in opposition to the force of gravity, and means for so adjusting said spring as to alter the force exerted by the weight on the valve.

1,737,589. COMPOSITE FLOOR. WILLIAM B. JASPERS, Pittsburgh, Pa. Filed Feb. 7, 1928. Serial No. 252,535. 3 Claims. (Cl. 20-7.)

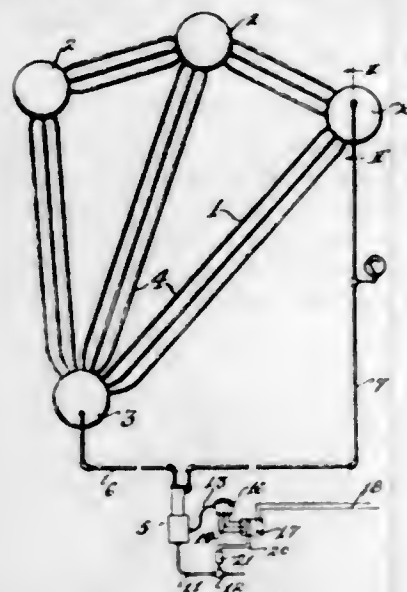


3. A wearing surface for floors comprising in combination strips of flooring material laid upon a foundation member and having tongues and grooves adapted to form interlocks and preformed strips of resilient material disposed between and adapted for interlocking with the grooves and tongues of the said first named strips.

1,737,590. CHEMICAL PULPING PROCESS. BJARNH JOHNSEN, Erie, Pa., assignor to Hammermill Paper Company, Erie, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1927. Serial No. 168,838. 7 Claims. (Cl. 92-9.)

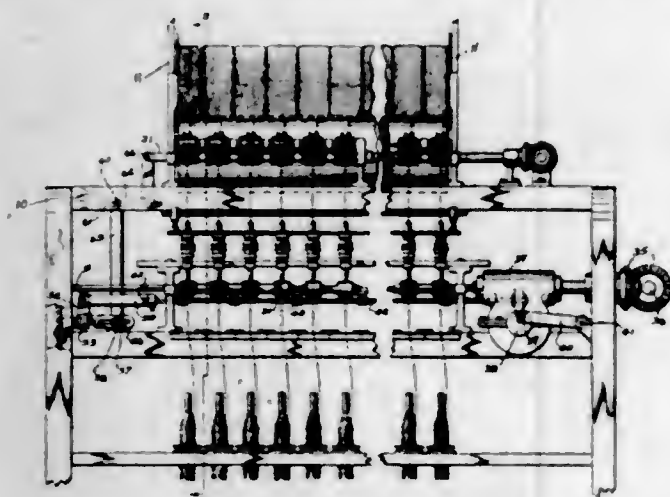
1. The process of cooking vegetable fibrous material with a cooking liquor to which has been added a solution of waste cooking liquor containing carbo-hydrates, from which the lignin compounds have been wholly or partly removed.

1,737,591. DEVICE FOR BLOWING BOILERS. ALFRED G. KERNIN, Mosinee, Wis., assignor to Mosinee Paper Mills Company, Mosinee, Wis., a Corporation of Wisconsin. Filed Apr. 2, 1928. Serial No. 266,703. 3 Claims. (Cl. 122-381.)



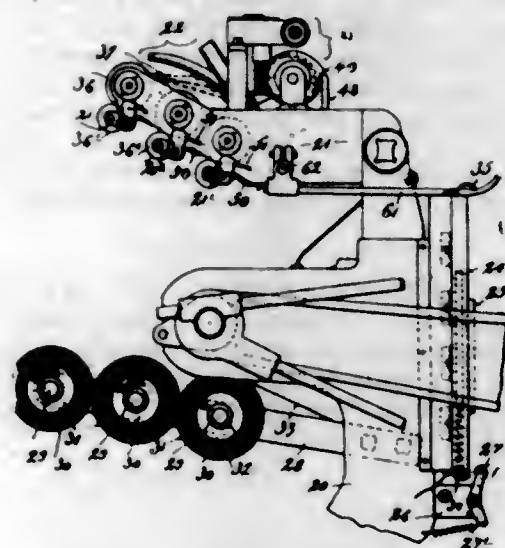
1. A device for blowing boilers comprising a receptacle for receiving water and sediment from the boiler, a blow-off line from said receptacle, a valve in said blow-off line, thermostatic means responsive to the temperature of said water and sediment, and electrical means responsive to said thermostatic means for actuating said valve.

1,737,592. ROVING TRAVERSE MECHANISM FOR SPINNING FRAMES. JOHN A. KOOLSTRA, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Oct. 12, 1928. Serial No. 312,130. 5 Claims. (Cl. 19-130.)



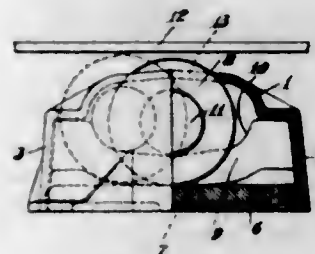
1. In a spinning frame having twister heads, lower drawing rolls, upper feed rolls and a roving traverse rod therefor, in combination, means to reciprocate said drawing rolls axially, and connections between said reciprocating means and said traverse rod for reciprocating said rod in fixed relation to the axial movement of said drawing rolls.

1,737,593. PRESS ATTACHMENT FOR FEEDING ROLL LEAVES. RICHARD LANGE, Leonia, N. J. Filed Dec. 11, 1926. Serial No. 154,172. 6 Claims. (Cl. 41-7.)



1. In a press attachment for feeding roll leaf or the like, the combination of an impress platen and a press plate, and means for feeding roll-leaf over said impress platen in response to the impress contact of the press plate having been made.

1,737,594. SIDE BEARING. ELMYR A. LAUGHLIN, Oregon, Ill., and EREN RAY PACKER, New Rochelle, N. Y.; said Packer assignor to Q. & C. Company, New York, N. Y., a Corporation of Maine. Filed Nov. 26, 1924. Serial No. 752,297. Renewed Jan. 25, 1928. 3 Claims. (Cl. 308-226.)

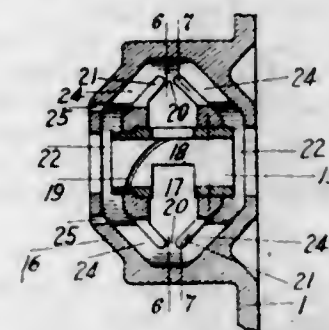


1. A side bearing for railway cars comprising a trunnion roller element, a housing member adapted to be secured to a car or truck bolster and formed at one side with an opening through which the roller protrudes and at its opposite or base portion with an enlarged opening, a separable bearing member fitted within the enlarged opening and formed to provide bearing surfaces for both the roller periphery and for the trunnions, said housing having retaining flanges overlying the roller trunnions in opposed relation to the side walls of the bearing member whereby the roller element will be retained in its operating position upon the assembling of the parts, said retaining flanges being oppositely inclined from their ends toward the center to effect centering of the roller when used in inverted position.

1,737,595. ELECTRIC MOTOR. GEORGE H. LELAND, Dayton, Ohio, assignor of one-half to The Leland Electric Company, Dayton, Ohio, a Corporation of Ohio. Filed Sept. 20, 1926. Serial No. 136,481. 8 Claims. (Cl. 308-126.)

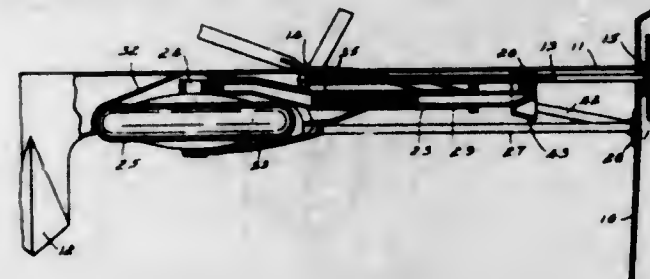
1. In a motor having means for mounting the same in any one of a plurality of positions, a bearing for the motor shaft and a housing in which said bearing is mounted, said housing having a lubricant chamber extending about said bearing and said bearing having an opening leading from said chamber to the bearing surface of said

shaft, said housing also having a cavity at the end of said bearing to receive lubricant from said bearing, and channels leading from said cavity to said chamber, said chan-



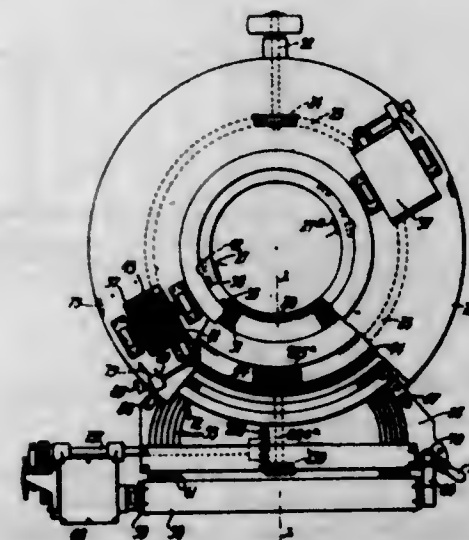
nels being so arranged that when said motor is in any one of said plurality of positions one or another of said channels will extend downwardly from said cavity to said chamber.

1,737,596. AIRPLANE. GEORGE M. LEWIS, Detroit, Mich. Filed July 13, 1929. Serial No. 377,981. 7 Claims. (Cl. 244-2.)



1. In an airplane, in combination, a wing, a pocket formed in the lower surface of said wing, and a retractable landing gear comprising a screw received in said pocket and extending in the direction of length of said wing, a traveling nut on said screw positioned at the outer end of said screw when said gear is in unfolded position, a wheel supporting leg pivoted at one end to said nut and provided with a wheel at its opposite end, a strut pivotally connected to said leg between the ends thereof and extending inwardly of said wing in respect thereto, means for pivotally connecting the inner end of said strut to a stationary part of said airplane below said screw, and means to rotate said screw.

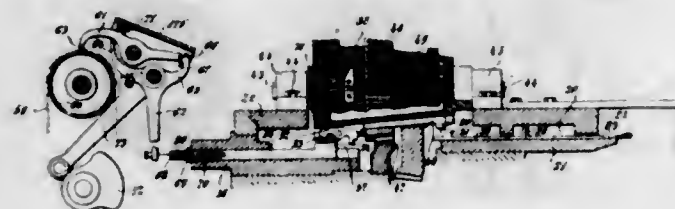
1,737,597. KNITTING MACHINE. VINCENT LOMBARDI, Brooklyn, N. Y. Filed Sept. 15, 1928. Serial No. 135,533. 28 Claims. (Cl. 66-50.)



1. In a knitting machine, in combination, a series of yarn manipulating members arranged to have pattern deter-

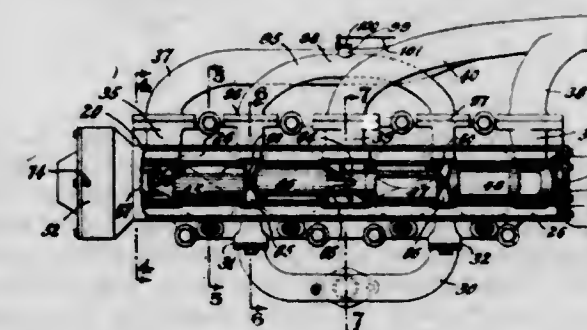
mining actuations imparted thereto, a drum mounted for movement with respect to said yarn manipulating members and for rotation in response to said movement, a plurality of adjustable elements carried by said drum, each of said elements being selectively adjustable between a position wherein it will cause pattern-determining actuations to be imparted to individual yarn-manipulating members, and a position in which it will cause no such actuations to be imparted, mechanism adapted to be set in a variety of positions to control the adjustment of said adjustable elements, and means to control the setting of said adjustment controlling mechanism, said latter means including a member arranged to present a succession of series of pattern-control configurations to said adjustment controlling mechanism, the configurations in each series being adapted to determine the selective actuation of a plurality of yarn manipulating members.

1,737,598. KNITTING MACHINE. VINCENT LOMBARDI, Brooklyn, N. Y. Filed June 6, 1927. Serial No. 196,894. 32 Claims. (Cl. 66-20.)



21. In a knitting machine, in combination, a series of yarn manipulating members arranged to have pattern determining actuations imparted thereto, a conically shaped drum mounted for movement with respect to said yarn manipulating members and for rotation in response to said movement, a plurality of grooves in the periphery of said drum arranged parallel to the axis of said drum, a plurality of slidable elements carried in said grooves, and means including said elements to cause pattern determining actuations to be imparted to said yarn manipulating members in accordance with the sliding movements of said elements.

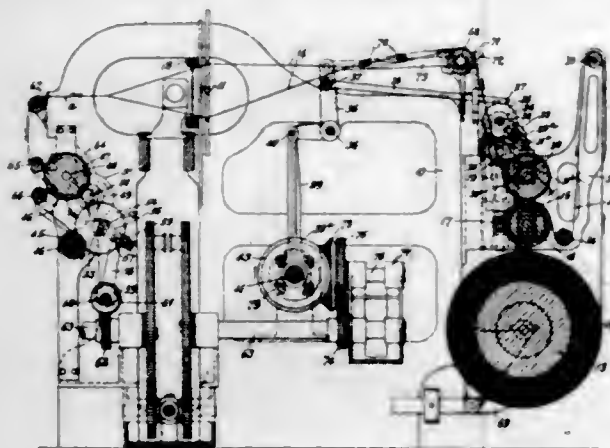
1,737,599. INTERNAL-COMBUSTION ENGINE. ALBERT R. LONG, New York, N. Y., assignor, by mesne assignments, to The F. R. U. Motors Co., Inc., New York, N. Y., a Corporation of New York. Filed July 2, 1924. Serial No. 723,635. 38 Claims. (Cl. 123-59.)



1. An internal combustion engine comprising a plurality of cylinders, a valve housing mounted thereon, a port for each cylinder communicating with said housing, an intake manifold and an exhaust manifold connected to and communicating with said housing, valve mechanism rotatably mounted in said housing and comprising a plurality of operatively connected valve units, one for each cylinder, each unit having a passage adapted to connect the intake mani-

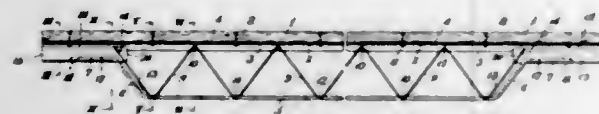
fold and cylinder port and a passage adapted to connect the cylinder port and exhaust manifold, the intake passages in adjacent valve units communicating with a common chamber, the adjacent ends of said valve units being connected by couplings constructed and arranged to permit longitudinal expansion of said units.

1,737,600. MECHANISM FOR CONTROLLING THE WARP-YARN SUPPLY ON WEAVING MACHINES. JONATHAN LUCAS, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 8, 1927. Serial No. 159,750. 5 Claims. (Cl. 130-104.)



1. In a weaving machine, the combination of a warp beam, a take-off roll, operating mechanism for positively and intermittently rotating said take-off roll in successive steps predetermined by the picks of the fabric being woven to feed the warp yarns from the warp beam to the shed and fell line, a cloth roll, actuating mechanism for actuating said cloth roll in successive steps corresponding to the movement of said take-off roll, said take-off roll operating mechanism including an adjustable element adapted to control the magnitude of the intermittent angular displacements of said take-off roll, whereby the extent of movement of said take-off roll may be varied independently of said cloth roll.

1,737,601. COMPOSITE WOOD-METAL STRUCTURAL UNIT. STANLEY MACOMBER, Edgefield District, Ohio. Filed Dec. 24, 1927. Serial No. 242,354. 4 Claims. (Cl. 189-40.)

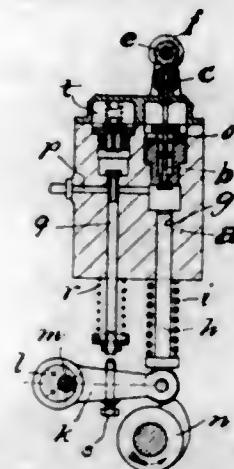


1. A composite wood-metal structural unit for use in wood floor constructions, comprising a top chord consisting of a wood joist and a metal web-securing member running longitudinally of and adjacently beneath said wood joist and secured thereto, a metal bottom chord, a metal web-member connecting said top and bottom chords, and metal unit-end reinforcing means respectively connected to and integrating the ends of said chords and said web-member.

1,737,602. FUEL PUMP. JOHANN MAHLER, Augsburg, Germany, assignor to the Firm: Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed Apr. 1, 1925, Serial No. 19,896, and in Germany May 9, 1924. 5 Claims. (Cl. 123-140.)

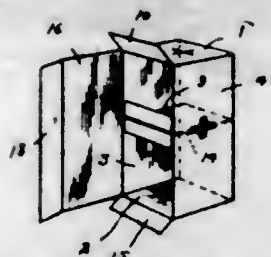
1. In a fuel pump of the character described, the combination of suction valves with an output regulating device

for successively opening said valves to render one or more cylinders of the engine inoperative comprising pushing rods



arranged above said valves and successively controlled by cams for opening said valves and retaining the same in open condition.

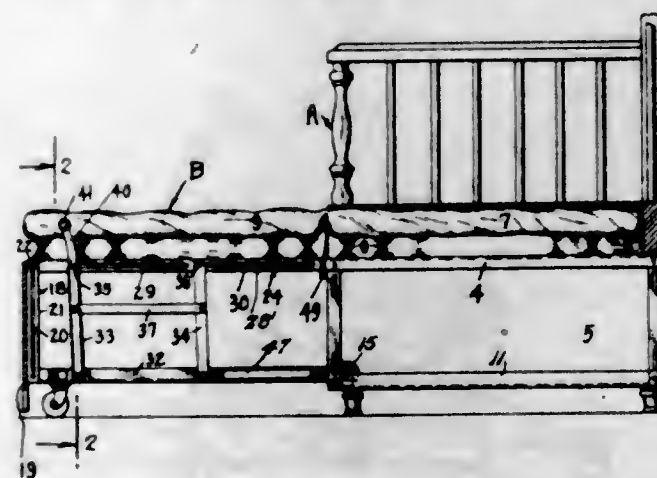
1,737,603. REVERSIBLE WASTE RECEIVER. JOHN A. MAKER, Duluth, Minn. Filed Oct. 14, 1927. Serial No. 226,245. 5 Claims. (Cl. 32-5.)



1. A reversible waste receiver of the class described comprising a receptacle having chambers therein each accessible from one end only of the receiver.

5. A blank for a double chambered receptacle of the character described comprising a major elongated body portion embodying both ends and two sides of the receptacle, another side of the receptacle formed integral with the body portion, the other side of the receptacle formed integral with the opposite side of the body portion, double partitions formed integral with one side of the body portion, and flaps formed integral with the blank for the purpose described.

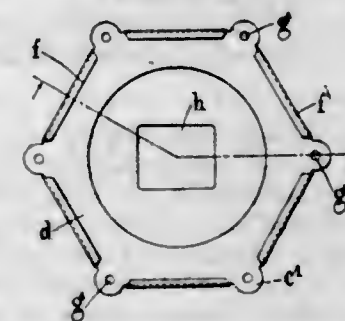
1,737,604. DAY BED. JOSEPH MARTIN, New York, N. Y., assignor to United States Cabinet Bed Co., New York, N. Y., a Corporation of New York. Filed May 12, 1928. Serial No. 277,119. 2 Claims. (Cl. 5-21.)



1. The combination with a main bed section, of an extensible bed section slidably connected to said main bed section and having a front closure member extending between its ends, angle bars attached to said extensible section supporting said front closure member at the ends

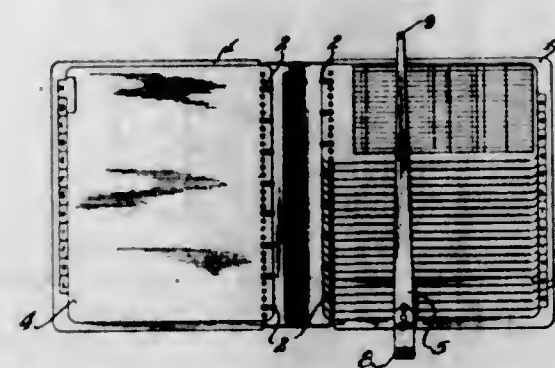
thereof and extending vertically on the inner face of the front closure member, a movable bed spring section, a set of connecting means operatively connecting each end of said movable bed spring section with said extensible bed section, each set including a pair of links pivotally connected to said extensible bed section, pins at the upper ends of said links, the movable bed spring section having a pair of aligned slots at its ends for receiving said pins, said angle bars each having a vertical slot therein, and a pin extending from each end of said movable bed spring section and engaging the slot of the respective angle bar.

1,737,605. BUNG FOR IRON TRANSPORT CASKS. RUDOLF MAUSER, Cologne-Marlenburg, Germany. Filed Nov. 28, 1928, Serial No. 322,416, and in Germany Sept. 23, 1927. 3 Claims. (Cl. 220-39.)



1. A hollow bung for iron transport casks, consisting of two pieces of sheet metal, one forming a polygonal top cover plate formed with eyes projecting at the corners for lead sealing purposes, and the other comprising a screw-threaded portion adapted to be screwed into the cask, and an outwardly turned packing flange at the upper end of the screw-threaded portion, the outer edge of the said flange being bent upwards and inwards round the edges of the cover plate.

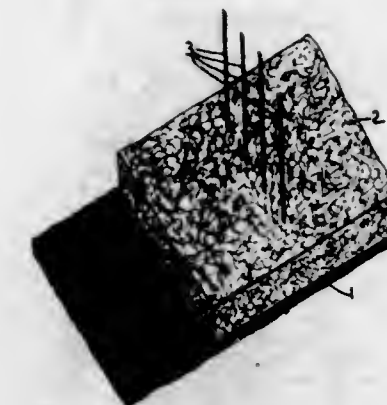
1,737,606. LOOSE-LEAF-HANDLING DEVICE. HENRY R. MCCLEARY, Oak Park, Ill., assignor to Wilson-Jones Company, a Corporation of Massachusetts. Filed Jan. 12, 1928. Serial No. 246,114. 1 Claim. (Cl. 129-1.)



A loose leaf handling device comprising a resilient blade having a substantially straight forward end, a second resilient blade superposed upon the first blade and normally in contacting relation therewith, said second blade having an upwardly curved forward end positioned rearwardly of the forward end of the first blade, a handle and means for securing said handle and blades together.

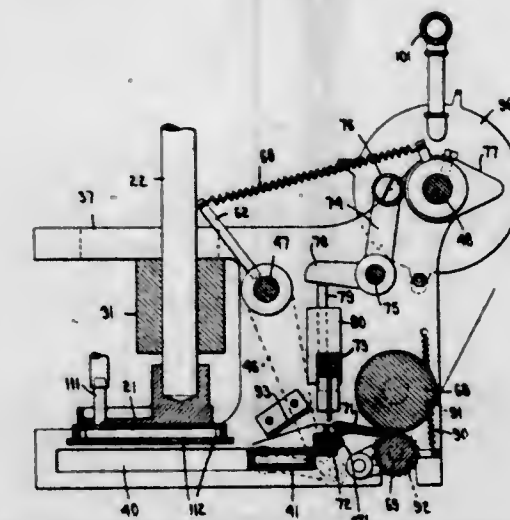
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1,737,607. NEEDLED FELT FABRIC. THOMAS S. McDERMOTT, Franklin, Mass., assignor to Clark-Cutler-McDermott Company, Franklin, Mass., a Corporation of Massachusetts. Filed Dec. 29, 1928. Serial No. 329,157. 3 Claims. (Cl. 28-4.)



1. A needled felt fabric comprising two superposed layers, one layer being composed of long unspun fibres which extend in indeterminate directions and constituting a strength giving layer and the other layer being composed of shorter fibres felted together, some of which shorter fibres pass through the layer of long fibres and thus tie the two layers together.

1,737,608. WINDOW ATTACHMENT FOR ENVELOPE-FOLDING MACHINES. ROBERT A. NELSON, Cleveland, Ohio, assignor to The Standard Envelope Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 23, 1925. Serial No. 77,241. 29 Claims. (Cl. 93-61.)

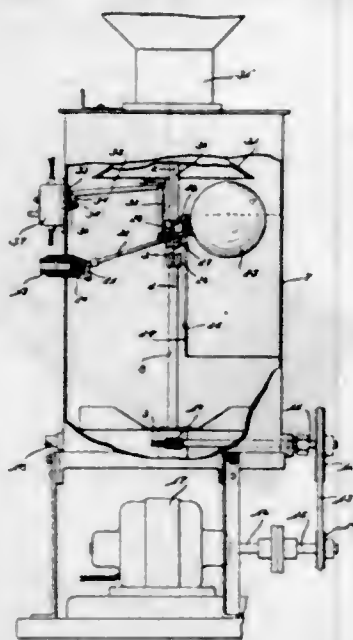


1. In a machine of the character described, the combination of a vertical plunger, a horizontally movable conveyor, means for reciprocating said plunger and conveyor intermittently and in timed relation with each other, means for supplying a patch to said conveyor at each reciprocation thereof, and means for transferring said patch from the top of said conveyor to the bottom of said plunger.

1,737,609. MIXING MACHINE. CLAUDIUS NIELSEN, Detroit, Mich. Filed May 28, 1928. Serial No. 281,074. 4 Claims. (Cl. 259-1.)

1. In a mixing machine of the class described; a container; a shaft; means for rotating said shaft; agitating mechanism for agitating material delivered into said container and operated by said shaft; a conduit for deliver-

ing liquid into said container; a control valve for controlling delivery of liquid from said conduit into said container; control means for controlling the operation



of said rotating means; and means for operating said control valve and said control means upon the delivery of a predetermined amount of liquid into said container.

1,737,610. WIND SCOOP. HAROLD F. NORTON, Newport News, Va. Filed Oct. 10, 1925. Serial No. 61,799. 4 Claims. (Cl. 98—37.)

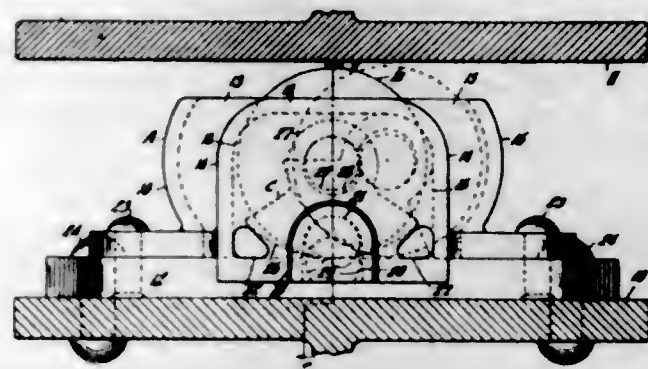


1. The combination with an airport frame and the glass holder carried thereby, of a wind scoop rigidly secured within said frame, said wind scoop comprising a plurality of interleaved plates having a width substantially equal to the depth of said frame, means at opposite points on said frame for pivotally supporting said plates, and means for limiting the relative angular movement of adjacent pairs of said plates, the plates and pivotal supporting means being constructed and arranged to permit the closing of said glass holder while the wind scoop is in place in said frame.

1,737,611. ANTIFRICTION BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Apr. 3, 1924. Serial No. 703,902. 5 Claims. (Cl. 308—226.)

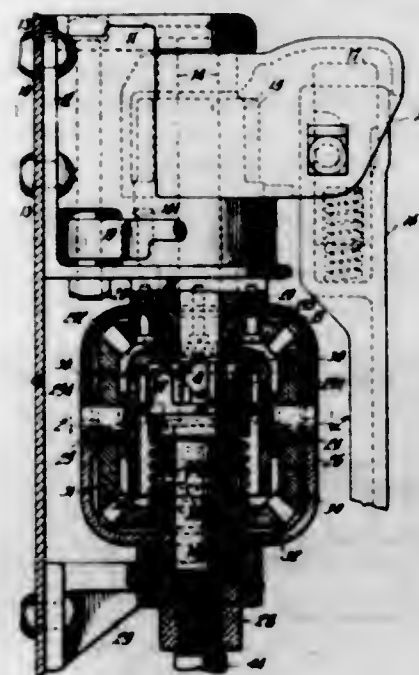
1. In an anti-friction bearing, the combination with a housing adapted to be mounted on a bolster or the like

and having an interior bearing surface; of a roller arranged within said housing to roll to and fro on said bearing surface; rockers carried at the ends of said roller and adapted to rock on said bearing surface, said rockers having lower arcuate bearing surfaces whose radius is greater than the radius of said roller and eccentric thereto; a pin extending through the roller and projecting from both ends thereof, said rockers provided with bores there-through at their upper ends to loosely receive the projecting ends of said pin, the upper sides of said projecting portions of the pin engaging against the upper por-



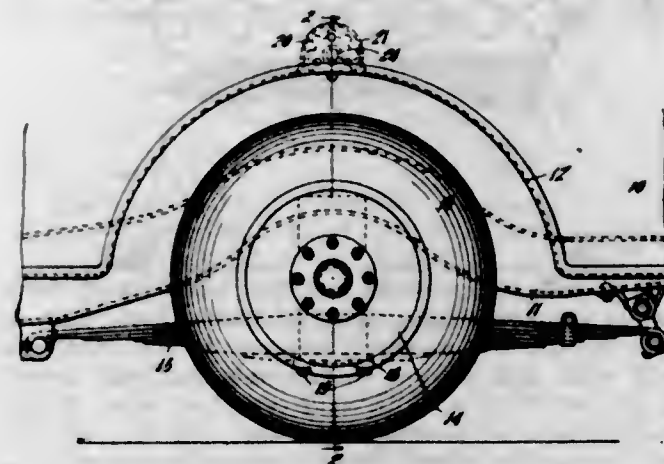
tions of the bores through said rockers when said rockers and roller are in normal central position; and means for preventing bodily movement of said rockers longitudinally of said bearing surface, said housing having stop means to limit the rocking movement of said rockers, whereby when said roller rolls a predetermined distance under load, the rockers will be rocked thereby to lift said roller bodily off said bearing surface and move therewith and be carried thereby until said rockers abut against said stops, after which the roller will revolve about a fixed axis for continued load, said rockers returning said rollers to central position after the load is released therefrom.

1,737,612. BRAKE. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 29, 1924. Serial No. 734,832. 13 Claims. (Cl. 74—119.)



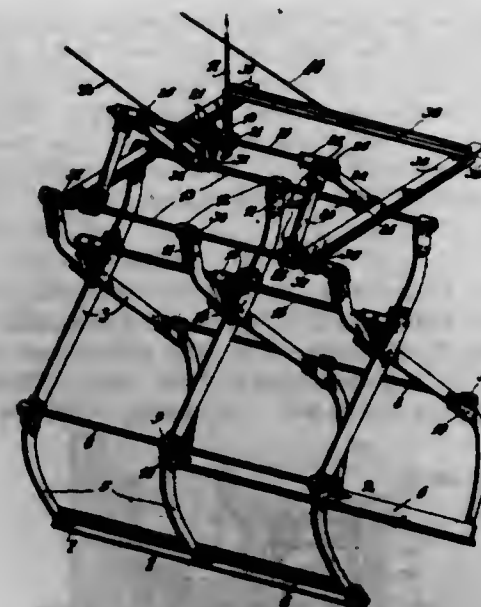
1. In a brake mechanism, the combination with a tightening element; of a plurality of transmitting means cooperating with said tightening element, one of said transmitting means being in the form of a planetary system; rotary clutch device arranged for connection with either of said transmitting means; and means for rotating said clutch device, including means for automatically shifting the clutch device upon said clutch device encountering a predetermined resistance.

1,737,613. SHOCK ABSORBER FOR VEHICLES. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 19, 1926. Serial No. 130,152. 4 Claims. (Cl. 280—150.)



4. In a shock absorber for vehicles having the wheels thereof provided with resilient tires, the combination with springs for supporting the body of the vehicle; of hollow corrugated rollers rotatably mounted on a support fixed to the vehicle body, said rollers co-operating with the resilient tires of said wheels and normally spaced therefrom a distance to engage said tires to compress the same after the vehicle springs have been partly flexed to absorb the heavier shocks.

1,737,614. LIFTING TONGS. FRANK GUY PECK, New Haven, Conn. Filed Mar. 26, 1927. Serial No. 178,569. 4 Claims. (Cl. 294—106.)



1. A lifting tong comprising a pair of jaws, each jaw comprising a clamping member disposed in crossed relation to the clamping member of the other jaw, a pivot connecting said clamping members, a suspension member, links pivotally connecting said suspension member and respectively said clamping members, and means including a hook for allowing said suspension member and pivot to hook together to hold said jaws in open position.

1,737,615. TURRET-BOX MACHINE. WALTER A. SAATMAN, Roslyn, Pa. Filed Aug. 6, 1926. Serial No. 127,551. 81 Claims. (Cl. 93—54.)

1. In the art of wrapping the bottom, sides and ends of a wrap upon the outside of a box, the method which con-

sists in registering the box with the wrap supply by the forward edge of the bottom of the movable box independently of the length of the box, in applying the wrap in-



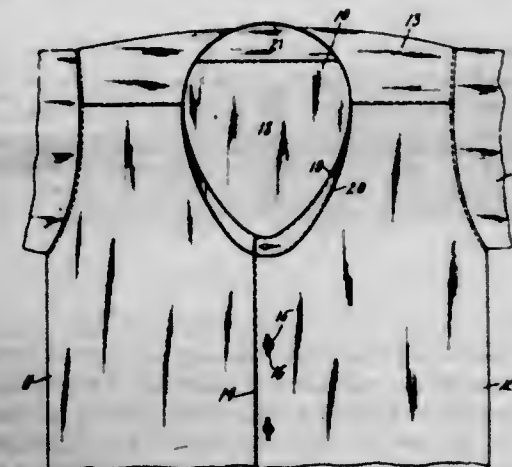
tially to the forward edge of the bottom of the box as thus registered and in applying the remainder of the bottom of the wrap to the bottom of the box by movement of the box.

1,737,616. PICKER HOLDER. WALTER A. SAATMAN, Roslyn, Pa. Filed Feb. 23, 1928. Serial No. 256,452. 3 Claims. (Cl. 91—58.)



3. A picker holder adapted to be mounted upon and held to a support and having a slot at one end, a pivot pin across the slot, a picker having an opening at one edge and a bearing communicating with the opening adapted to rest upon the pivot pin and spring means tending to turn the picker about the pin.

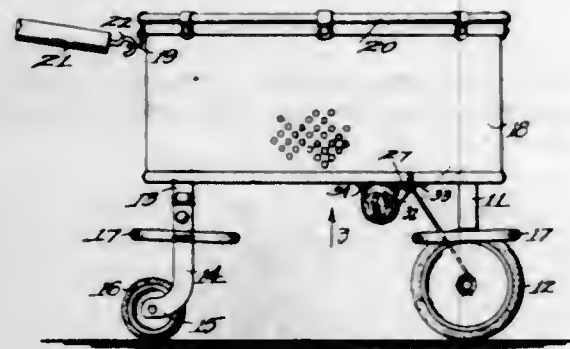
1,737,617. SHIRT. GEORGE E. SCHOMAN, New York, N. Y. Filed May 15, 1926. Serial No. 109,328. 1 Claim. (Cl. 2—127.)



A shirt including a shoulder section, two front sections joined with said shoulder section and overlapping along the center line of the shirt front, said shoulder and front

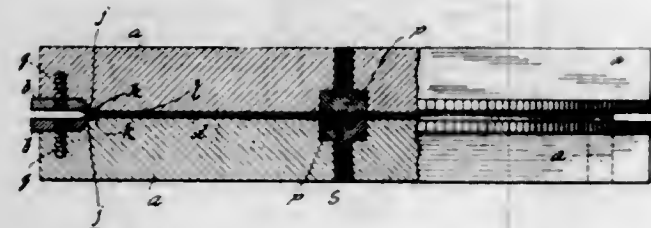
sections being provided with an oviform neck opening, the longitudinal axis of said oviform opening being in alignment with the center line of the shirt front, that portion of said neck opening which is formed in said shoulder section being substantially semi-circular in configuration, and an oviform neck band extending all around said neck opening and joined with said sections along said neck opening, said neck band extending substantially at right angles to said shoulder section at the highest point of the semi-circular portion of said neck opening and then projecting gradually inwards toward said longitudinal axis until said neck band lies in the plane of said front sections in proximity of and at the lowest point of said neck opening, the size of said neck opening being such that the semi-circular portion of said neck band is adapted to lie against the back of the neck of the wearer, while the remainder of said neck band is adapted to lie flat against the chest of the wearer.

1,737,618. CHILD'S VEHICLE. OTTO W. SIEBERT, Gardner, Mass., assignor to O. W. Siebert Company, Gardner, Mass., a Corporation of Massachusetts. Filed Jan. 13, 1926. Serial No. 80,974. 3 Claims. (Cl. 280-47.)



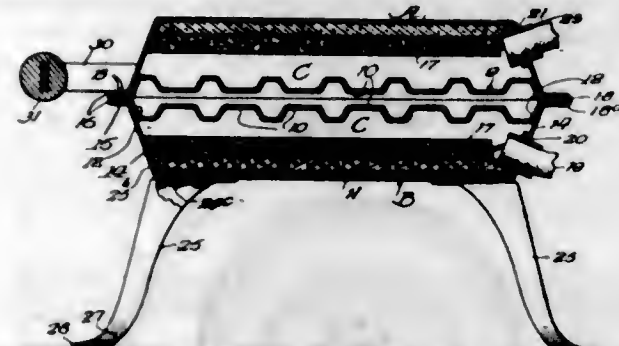
1. A child's vehicle having, in combination a seat with a narrow, forwardly projecting portion, a member encircling the child above said seat, a foldable foot well substantially enclosing the space beneath said member and effective to support the feet of a child substantially below said seat when the child is in a sitting position on said seat, and means to secure said foot well in operative foot-supporting position.

1,737,619. METHOD OF FORMING DISK PHONOGRAPH RECORDS. ANNESLEY DE LOS SMITH, New York, N. Y., assignor to Cameo Record Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 21, 1926. Serial No. 130,597. 5 Claims. (Cl. 18-48.3.)



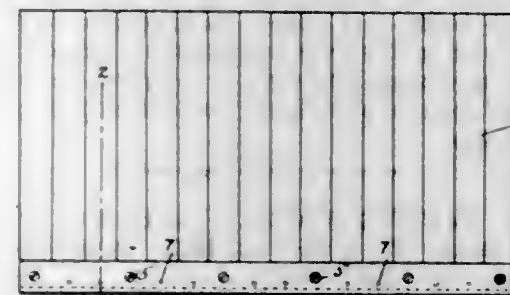
1. The method of forming disk phonograph records consisting in compressing a mass of molding material between dies having edges which substantially meet to form the periphery of the record and are serrated to give the edge of the record between its two faces indentations, the points formed by the serrations in one die cooperating with similar points formed on the other die, and forming in the extruded web successively weakened points of attachment between it and the record proper.

1,737,620. WAFFLE IRON. ELMER R. TALBOT, Chicago, Ill. Filed Dec. 22, 1924, Serial No. 757,370. Renewed May 24, 1929. 9 Claims. (Cl. 53-10.)



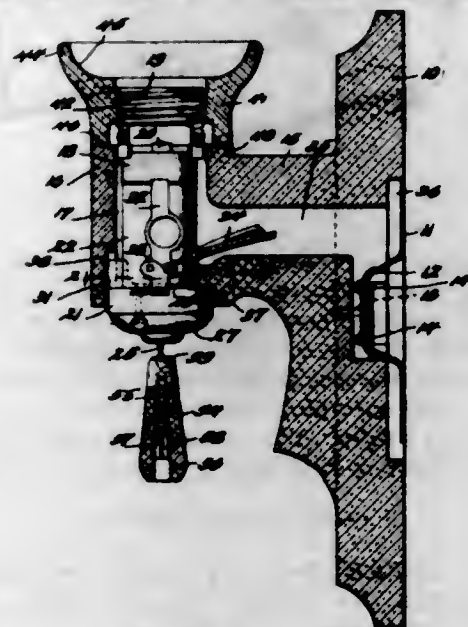
7. In a waffle iron, a waffle container having waffle-forming walls of substantially equal thickness throughout, an electric heating coil mounted adjacent to the outer side of said walls and adapted to transmit the heat directly from the coil to said walls, said container being formed of sheet metal and having a low heat capacity, whereby it may be quickly heated with a small consumption of current.

1,737,621. PORCH-FLOOR PROTECTOR. ISMAIAH H. TAYLOR, Baltimore, Md. Filed May 5, 1928. Serial No. 275,297. 1 Claim. (Cl. 20-6.)



A protector for porch floors comprising an approximate U-shaped angle iron fitted over the outer edge of the board forming the porch floor and having the upper angle thereof flush with the upper surface of said porch floor, and the lower angle provided with a number of apertures therein adjacent its adjoining angle, and bolts projecting through the upper and lower angles of said angle iron.

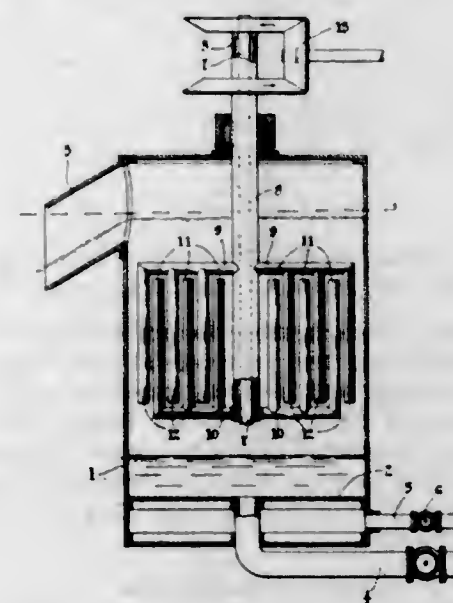
1,737,622. LIGHTING FIXTURE. FOX N. THOMPSON, deceased, Syracuse, N. Y., by Eva C. Thompson, executrix, Syracuse, N. Y., assignor to Pass & Seymour Inc., Syracuse, N. Y., a Corporation of New York. Filed Mar. 10, 1926. Serial No. 93,800. 10 Claims. (Cl. 240-73.)



2. In a lighting fixture, in combination, a base adapted to be secured against a wall, a sleeve of insulating mate-

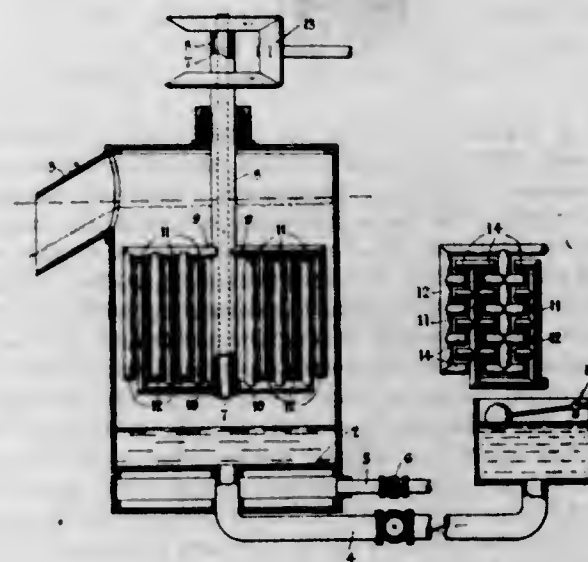
rial thereon and having an opening separate from the base, a socket structure adapted to be received in said sleeve opening from one end thereof and to abut said end, a screw shell on said socket structure, an insulating ring engaging the threads of said screw shell to retain said socket structure in said sleeve, said insulating ring having means thereon to secure a shade in position.

1,737,623. PROCESS FOR THE PRODUCTION OF DENSE FOAM. GEORGE MILLER THOMSON, Caledonia, Ontario, Canada, assignor, by mesne assignments, to Canada Gypsum and Alabastine Company, Limited, Paris, Ontario, Canada. Filed Dec. 20, 1926. Serial No. 156,059. 3 Claims. (Cl. 252-6.)



1. The process of preparing a foam which comprises passing air in fine streams into a column of water in the lower part of a vessel and forming a foam which is supported on the surface of the water and agitating said foam only above the top surface of the water to restrict the agitation to the foam.

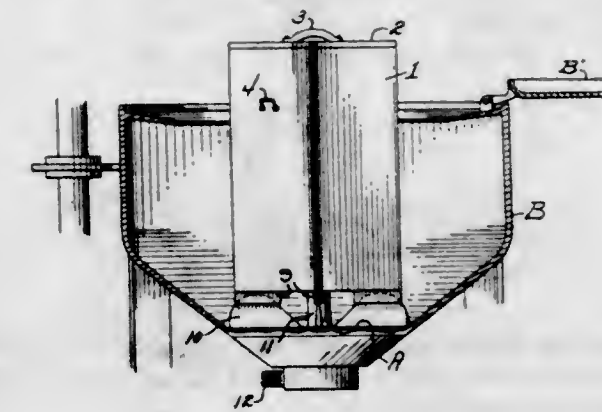
1,737,624. APPARATUS FOR THE PRODUCTION OF DENSE FOAM. GEORGE M. THOMPSON, Caledonia, Ontario, Canada, assignor to Canada Gypsum and Alabastine Company, Limited, Paris, Ontario, Canada. Original application filed Dec. 20, 1926, Serial No. 156,059, and in Canada Feb. 22, 1927. Divided and this application filed Mar. 18, 1927. Serial No. 176,560. 3 Claims. (Cl. 261-93.)



1. Apparatus for the production of foam comprising a chamber, agitating means in said chamber said agitating

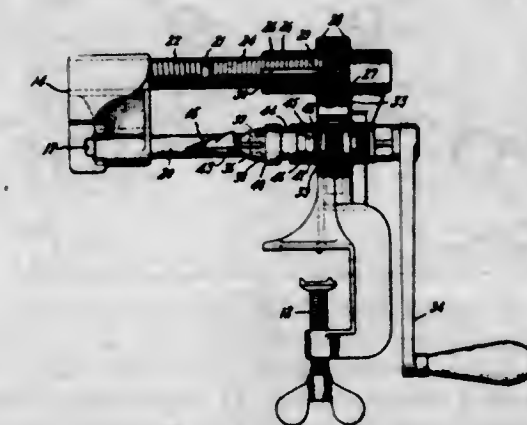
means comprising vertical arms, said arms having a stream-line contour and means whereby said arms may be rotated, a perforated plate disposed in said chamber, means to admit air to the chamber beneath said perforated plate and means to admit water to said chamber above the perforated plate.

1,737,625. CHURN. REDOLPHUS G. THURITT, Appalachia, Ballard C. Tate, East Stone Gap, and JOHN W. QUALLS, Big Stone Gap, Va. Filed Sept. 7, 1927. Serial No. 218,008. 4 Claims. (Cl. 250-56.)



1. In combination with a washing machine and its oscillator, a churn and means on the churn for engaging parts of the oscillator so that the churn will be actuated from said oscillator.

1,737,626. OYSTER AND CLAM OPENER. WILLIAM P. VANACE, Schenectady, N. Y. Continuation of application Serial No. 227,991, filed Oct. 22, 1927. This application filed Aug. 8, 1928. Serial No. 298,243. 7 Claims. (Cl. 17-9.)

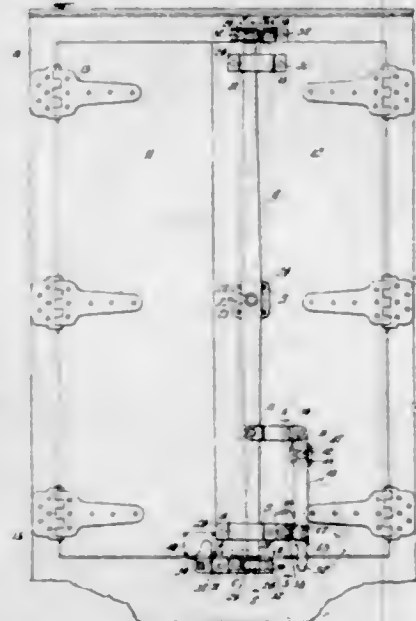


1. A bivalve shell fish opener comprising a relatively movable back stop and knife mounted in opposing relation, and operating mechanism for pressing the back stop and knife together and having an automatic clutch associated therewith for effecting relative rotation of the knife with respect to the back stop after penetration of the knife between the half shells of the bivalve.

1,737,627. REFRIGERATOR-CAR-DOOR-OPERATING MECHANISM. TANDY R. WEAR, Colton, Calif., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 15, 1926. Serial No. 94,952. 5 Claims. (Cl. 268-72.)

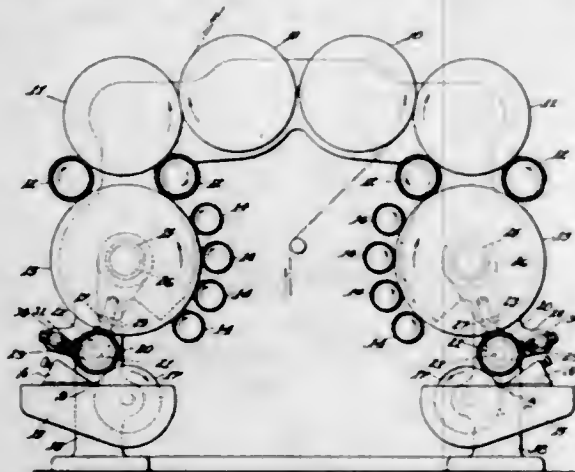
1. In a door operating mechanism, the combination with a member having a door opening and provided with a door; of keeper means fixed to the door adjacent opposite edges of the door opening, said keeper means being provided with inclined guideways, said guideways being in-

clined in opposite directions away from the door frame; and an operating bar pivotally mounted intermediate of its ends upon said door, the ends of said bar being adapted to



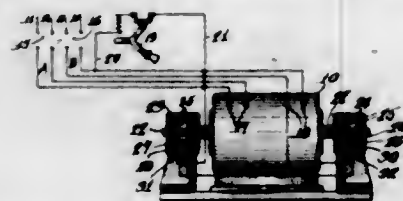
engage said keeper means to effect opening and closing movements of said door; and means for effecting pivotal movement of said bar.

1,737,628. INKING MECHANISM. HENRY A. WISE, Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 14, 1925, Serial No. 43,548. Renewed Apr. 25, 1929. 6 Claims. (Cl. 101—350.)



1. In an inking device, the combination with an ink distributing system, and a fountain roll, of a pick-up roll having a resilient surface arranged to run continuously in contact with a member of the ink distributing system and at the surface speed thereof and in working relation with the fountain roll, but in the opposite direction with respect to the fountain roll.

1,737,629. FUSIBLE PROTECTIVE DEVICE FOR MOTOR BEARINGS. JAMES L. M. ZIMMERMAN, Philadelphia, Pa. Filed Oct. 6, 1924, Serial No. 741,850. Renewed Apr. 24, 1929. 14 Claims. (Cl. 192—129.)



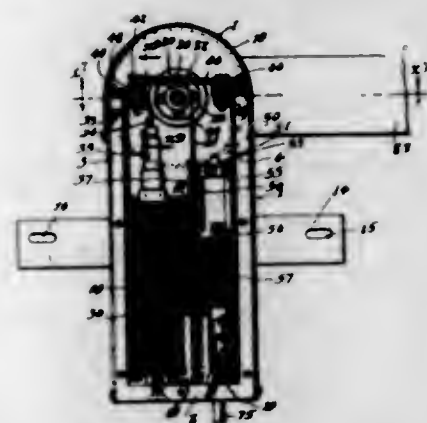
3. A revolving shaft, a bearing therefor, an oil reservoir within the bearing, an electric circuit-breaker controlling the rotation of the shaft and thermostatic means located at the bearing for opening the circuit-breaker circuit when the bearing becomes hot.

1,737,630. ELECTRIC SWITCH. CHESTER D. AINSWORTH, Wollaston, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 6, 1923, Serial No. 673,198. 10 Claims. (Cl. 287—117.)



2. A movable switch member for an electric switch including an insulating rod provided at one end with an enlarged downwardly and inwardly tapering head, an end-connector having a tapered recess in which said tapered head is wedged, means to lock said connector against rotation on said rod, and a plug screw-threaded in said end-connector above and in pressure-applying relation with said enlarged head.

1,737,631. SIGNAL DEVICE. EMIL S. ANDERSON, Los Angeles, Calif., assignor of one-fourth to F. E. Trask and one-fourth to W. H. Hartman, Los Angeles, Calif. Filed Apr. 15, 1920, Serial No. 374,011. 10 Claims. (Cl. 177—339.)



1. In a signal device to be used with a signalling switch and different signal circuits, the combination of a rotary member carrying a semaphore, a solenoid having a core connected with the semaphore to rotate the same, a plurality of relatively fixed contacts connected to the solenoid and corresponding to the different signalling circuits, a plurality of movable contacts cooperating with the fixed contacts to close circuits through the solenoid, automatic means for separating the movable contacts from the corresponding fixed contacts respectively when the semaphore arrives at the indicating position corresponding with that contact, and operating to limit the movement of the semaphore by the solenoid, and detent means with means for holding the same constantly in engagement with the rotary member while rotating to check a return movement of the semaphore, and operating to hold the semaphore in the indicating position, and means for releasing the detent.

7. In a signal device to be used with a signalling switch and different signalling circuits, the combination of a

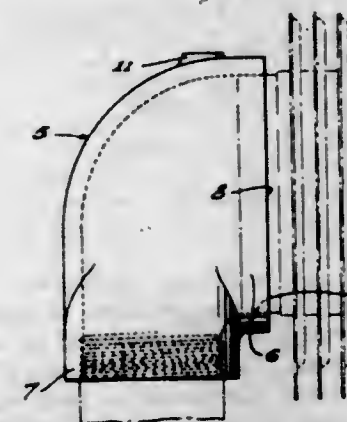
rotary member carrying a semaphore, a solenoid having a coil with a core connected with the semaphore to rotate the same, a spring also connected with the semaphore exerting its force in a direction to return the semaphore to its normal position, a single closing contact at the switch corresponding to each signal circuit, a plurality of relatively fixed contacts connected to the solenoid, a plurality of relatively movable contacts corresponding to each signal circuit connected to the solenoid to close any one of the different signal circuits through the entire length of the coil, means for separating the contacts in different positions of the semaphore to open the circuit when the semaphore arrives at its indicating position corresponding to that movable contact, and thereby limit the movement of the semaphore by the solenoid, detent means constructed to check the semaphore against return movement, with means for constantly holding the same in engagement with the rotary member while rotating and operating to hold the semaphore in the indicating position, and a solenoid for controlling the detent means by the switch to release the same, said spring operating to return the semaphore to its normal position when the detent means is released.

1,737,632. NECKTIE HOLDER. ALFRED AUDET, Salem, Mass. Filed Mar. 12, 1929, Serial No. 346,389. 4 Claims. (Cl. 24—57.)



2. A neck-tie holder comprising a casing having a loop for engagement with a collar button, a frame slidably mounted in said casing, a spring normally retaining said frame in said casing but permitting it to be drawn outward, and a tie-engaging member hinged to the lower part of said frame and provided with prongs to enter a tie; whereby when said prongs are engaged with the tie the latter will be held up in its proper position.

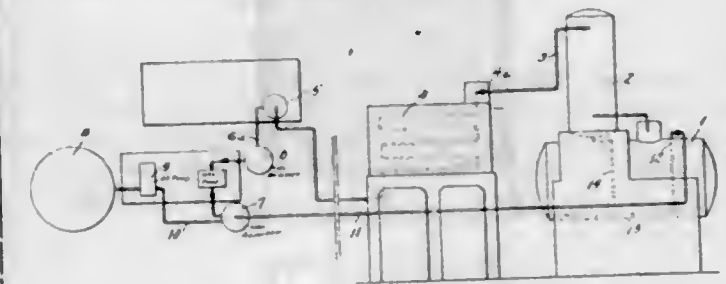
1,737,633. HEATING UNIT. RALPH HAMILTON BEACH, Royal Oak, Mich., assignor, by mesne assignments, to International Radiator Corp., Port Chester, N. Y., a Corporation of New York. Filed Jan. 13, 1928, Serial No. 246,538. 1 Claim. (Cl. 285—204.)



A pipe connection for radiator sections comprising a casting provided with an internal passage therethrough,

said casting having a major body portion formed at one end as a flattened tube, adapted for connection with the correspondingly shaped end of a radiator section and the other end of said body portion being formed as a rounded tube for connection with a supply or return pipe, the bottom surface of the flattened tube portion terminating and lying entirely within a plane above the highest point of the drainage side of the pipe connecting end whereby trapping of liquid in the radiator section will be prevented.

1,737,634. METHOD FOR CONVERTING HEAVIER OILS INTO LIGHTER OILS. ROBERT J. BLACK, Hammond, Ind., assignor to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed Aug. 3, 1923, Serial No. 655,448. 5 Claims. (Cl. 190—66.)



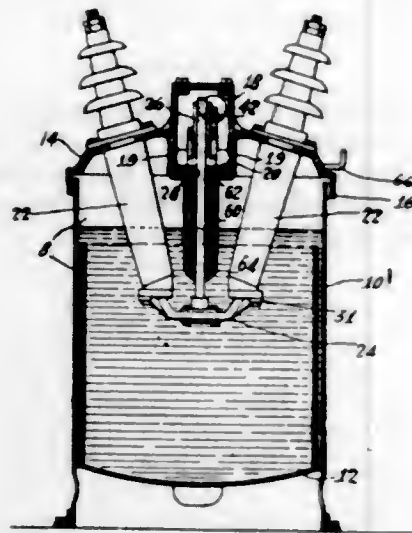
1. The method of cracking heavier hydrocarbons to form lighter hydrocarbons which comprises subjecting a body of the heavier hydrocarbons to a cracking temperature under pressure, separating permanent gases from condensable vapors resulting from the cracking operation and collecting the hydrocarbon gases at a lower pressure, recompressing such gases and forcing the gases under pressure into relatively cool hydrocarbon oil and introducing the resulting oil, containing the absorbed and entrained gases, into the said body of oil maintained at a cracking temperature.

1,737,635. METHOD OF DELIVERING LIQUIDS FROM WELLS. GEORGE BLOW, Knoxville, Tenn. Filed Feb. 24, 1927, Serial No. 170,600. 8 Claims. (Cl. 103—233.)



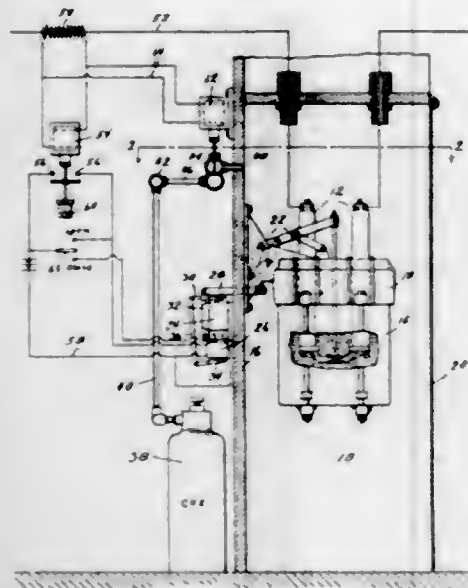
1. The process of delivering liquid from an oil well which consists in closing the well and thereby confining therein the natural gas of the well, utilizing the said confined gas to operate under its own pressure a staged gas lift pump, and venting the exhaust from each stage against a controlled back pressure.

1,737,636. HEAVY-DUTY ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., a Corporation of Massachusetts. Filed Apr. 14, 1926. Serial No. 102,070. 11 Claims. (Cl. 200—150.)



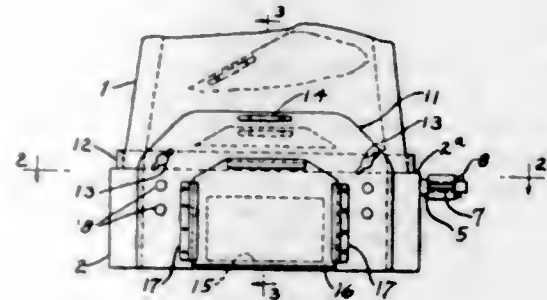
1. An electric switch having an oil containing enclosing casing which has a gas space above the oil and a mechanism well in the gas space which has an opening in its bottom but is otherwise sealed from the interior of the casing, means providing an oil seal for said opening, whereby to prevent access of gas into said well from the interior of said casing, and means independent of said well to vent the gas space of said casing.

1,737,637. METHOD AND APPARATUS FOR PREVENTING FIRES IN THE VICINITY OF ELECTRIC SWITCHES. GEORGE A. BURNHAM, Saugus, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., a Corporation of Massachusetts. Filed June 28, 1927. Serial No. 202,137. 12 Claims. (Cl. 169—2.)



1. The method of preventing explosions in the vicinity of an oil immersed electric switch normally surrounded by an atmosphere which is combustible with the oil of the switch, which method consists in surrounding the switch with a non-combustible atmosphere at the time the switch is opened.

1,737,638. INCINERATOR. FRANK J. CARLSON, Los Angeles, Calif., assignor to Albert E. Baird and Lucille Kennedy, Beverly Hills, Calif. Filed Feb. 24, 1926. Serial No. 90,262. 2 Claims. (Cl. 110—18.)

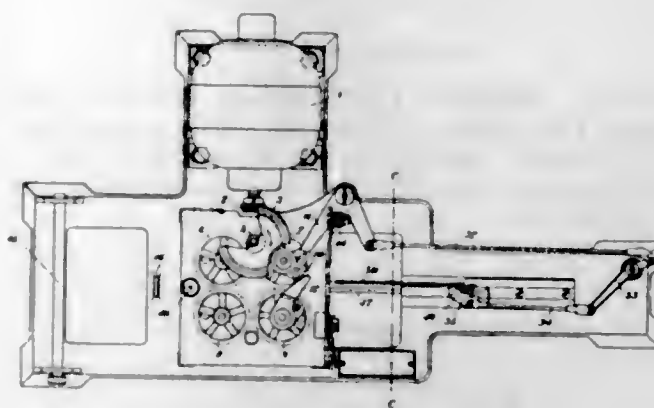


1. In an incinerator, a base slotted at opposite sides of its upper edge, a grate with rocker arms pivotally mounted in said slots, a foot pedal secured to one of said arms outside of said base, and a firebox removably mounted on the base over the slots for retaining the rocker arms in the slots.

1,737,639. METHOD OF MAKING ARSENATES. CLIFFORD D. CARPENTER, New York, N. Y. Filed Apr. 30, 1924. Serial No. 710,160. 10 Claims. (Cl. 23—53.)

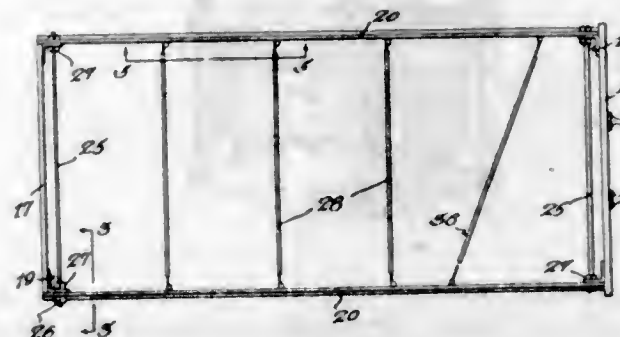
1. The process of making sodium arsenate which comprises treating an oxygen-containing compound of arsenic in which the oxygen is present in the lower proportion of the proportions with which it combines with arsenic, with an alkali metal salt of an inorganic acid containing a nitrogen-oxygen radical at a temperature above 150° C.

1,737,640. MACHINE FOR PRODUCING INSULATING SLEEVES. JAMES W. CHANNELL, Southgate, Calif., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 7, 1928. Serial No. 252,631. 7 Claims. (Cl. 154—2.5.)



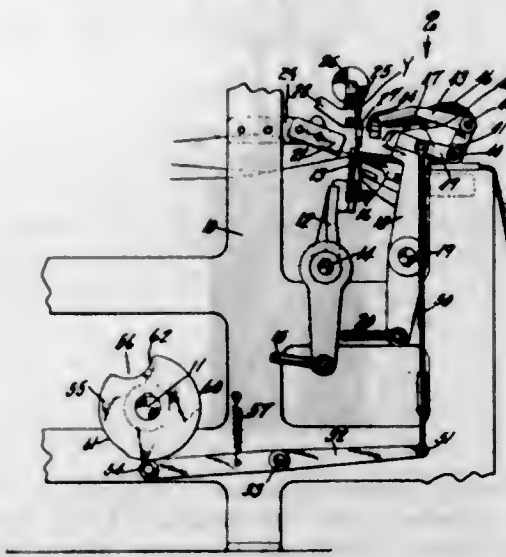
1. In a machine for producing insulating sleeves, the combination with an expanding mandrel, of means to force the insulating sleeving over said mandrel to be expanded thereby, receiving means substantially coaxial with said mandrel and in contact therewith to keep said mandrel in position during the forcing of the sleeving thereover, and to receive the sleeving expanded by said mandrel, means to withdraw said receiving means from the expanded sleeving, and means to cut the expanded sleeving.

1,737,641. FILING DEVICE. ROY H. CHARLTON, Belmont, Mass., assignor to Filing Equipment Bureau, Incorporated, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1927. Serial No. 212,794. 13 Claims. (Cl. 129—16.)



1. A filing device comprising in combination a drawer, guides associated with the drawer, a panel for dividing the drawer space, said panel being disposed between the guides and having connecting members movable longitudinally of the guides, and spring members on the guides, adapted normally to restrain movement of the panel.

1,737,642. TUFT PLACER FOR PILE-FABRIC LOOMS. EVERETT E. CLARK, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 15, 1927. Serial No. 212,948. 19 Claims. (Cl. 139—8.)



1. In a loom for weaving tufted fabrics, a reed, means to introduce a row of tufts between the warp threads, and additional means independent of the reed but movable by engagement with the reed to engage said tufts and draw the same upwardly prior to the incorporation thereof into the fabric.

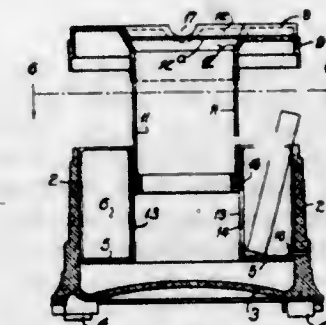
1,737,643. MEDICAL-TABLET CONTAINER. BENJAMIN F. CONNER, Hartford, and WILLIAM F. SCHMALZ, Rockville, Conn., assignors to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 17, 1927. Serial No. 176,230. 6 Claims. (Cl. 206—42.)



1. In a container for medical tablets and similar articles, the combination of a cylindrical body member having a plurality of separate similar recesses therein each closed

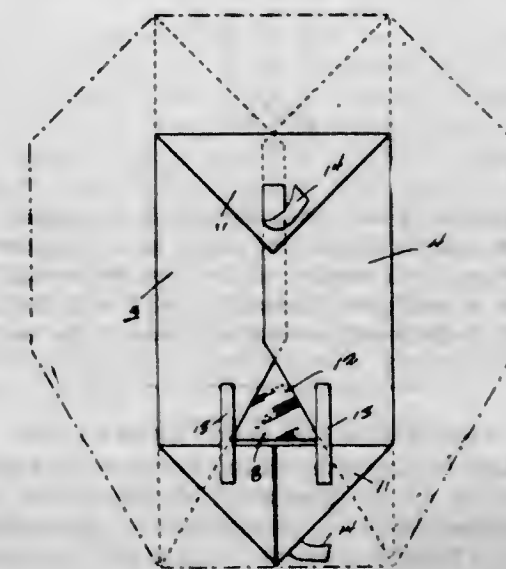
at the bottom and open at the top and at the periphery and each adapted to contain at least one of the said articles, the said recesses being spaced to leave an unrecessed portion of the periphery having a width at least approximating the width of each of the recesses, a cover positioned to close all of the said body recesses at the tops thereof, means pivotally connecting the cover with the body for movement about the axis of the latter, and an annular skirt formed integrally with the cover and surrounding and substantially fitting the periphery of the body, the said skirt having an opening therein adapted to be brought into peripheral register with any one of the said recesses or with the unrecessed portion of the periphery and the said opening being of such size as to permit the removal therethrough of one of the said articles from its recess while the other recesses are closed by the skirt and of such size as to be adapted to be entirely closed by the said unrecessed portion of the body periphery.

1,737,644. CIGARETTE-SMOKER'S SET. BENJAMIN F. CONNER, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a Corporation of Connecticut. Filed Sept. 24, 1928. Serial No. 307,804. 11 Claims. (Cl. 131—59.)



3. In a device of the character described, the combination of a central vertically movable open top receiver, an open top outer container within which the receiver is located and within which articles such as cigarettes may be placed in vertical positions surrounding the receiver, and a support in the container with which the cigarettes engage at their lower ends, the said support being vertically movable with the receiver to move the cigarettes upward with respect to the container to positions facilitating manual withdrawal thereof.

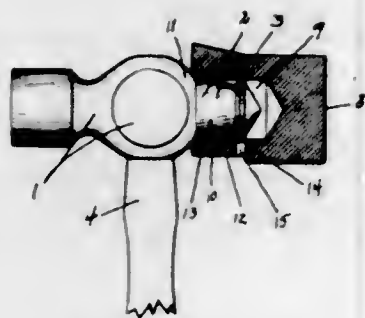
1,737,645. ENVELOPE FOR WAX PAPER. WARNER I. CUBBERLEY, Washington, D. C., assignor to Bennington Wax Paper Company, Bennington, Vt. Filed May 16, 1927. Serial No. 191,722. 8 Claims. (Cl. 206—57.)



1. A wrapper for sheets of wax paper and the like, and formed to permit removal of the contents, said wrap-

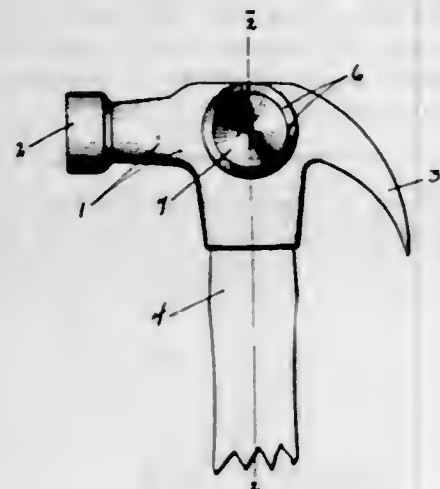
per having closure members adapted to be folded down to prevent removal of the contents, and spaced apart elements engaging the wrapper and one of the closure members and positioned to obstruct withdrawal of the bulk of the contents thereof while allowing removal of separate sheets of the contents one at a time.

1,737,646. ATTACHMENT FOR HAMMERS. CHARLES D. CUMMINGS, Tully, N. Y., assignor of twenty-five per cent to Leo E. Fuller, Syracuse, N. Y., and forty-nine per cent to Alexander F. Fuller and Charles A. Allen, Portsmouth, N. H. Filed Apr. 16, 1928. Serial No. 270,540. 1 Claim. (Cl. 145—36.)



In a device of the class described, a main body having a recess in one end adapted to receive the peen of a hammer, a spring positioned in the recess adapted to engage the peen to releasably hold the body in position, and a lug extending laterally from the body, said lug being of a height to extend outwardly beyond the body of the hammer to provide a striking surface.

1,737,647. CLAW HAMMER. CHARLES D. CUMMINGS, Tully, N. Y., assignor of twenty-five per cent to Leo E. Fuller, Syracuse, N. Y., and forty-nine per cent to Alexander F. Fuller and Charles A. Allen, Portsmouth, N. H. Filed June 11, 1928. Serial No. 284,490. 2 Claims. (Cl. 145—29.)

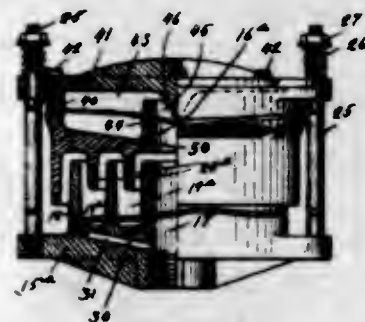


1. In a device of the class described, a hammer head, a depression therein having the shape of a truncated cone and having a smooth surface and a circular recess adapted to receive a nail point concentric with said depression, said circular depression converging inwardly to the recess.

1,737,648. LIQUID-SEPARATING APPARATUS. WILLIAM S. EDSALL, Reading, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 17, 1922. Serial No. 595,173. 14 Claims. (Cl. 183—79.)

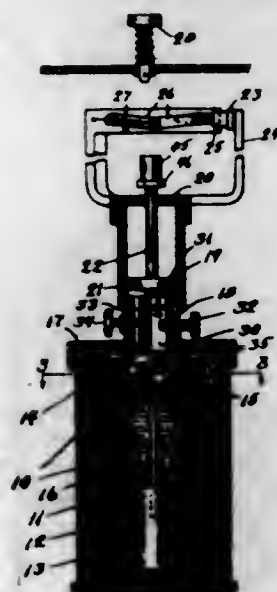
1. Separating apparatus including a casing having a plurality of liquid separating, open-top compartments, and

means to guide a liquid-containing gas stream in succession through said compartments including a cover spaced above said compartments having flanges depending into



the uppermost portions only and spaced from the side walls of said compartments, and yielding means responsive to pressure conditions in said casing for normally holding said cover in the aforesaid relation.

1,737,649. ELECTRIC CIRCUIT CONTROLLER. WILLIAM S. EDSALL, Reading, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 26, 1923. Serial No. 634,890. 10 Claims. (Cl. 200—97.)



2. An electric circuit-controller comprising a circuit-controlling member, two intercommunicating cylinders adapted to contain a fluid, an operating piston for said circuit-controlling member disposed in one of said cylinders, an actuating piston disposed in said other cylinder and arranged to act upon said circuit-controlling piston through the fluid contained in said cylinders, and means arranged to provide for successive operations of said actuating piston to effect the movement of said circuit-controlling piston into effective circuit-controlling position and including means to return fluid to the cylinder of the actuating piston from the cylinder of the circuit-controlling piston.

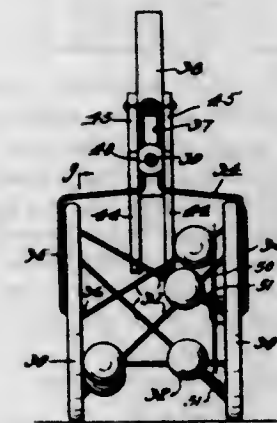
1,737,650. PROCESS FOR JOINTING, SPLICING, AND IMPREGNATING ELECTRIC CABLES. LUIGI EMANUELE, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy. Filed Aug. 15, 1927. Serial No. 213,175, and in Italy Aug. 31, 1926. 5 Claims. (Cl. 173—268.)



1. A process of impregnating multi-sectional, high-tension electric cables of the type having oil-filled cavities,

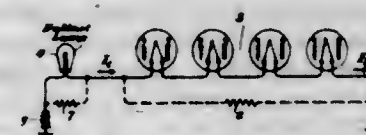
comprising the steps of applying suction to both ends of the cable at the same time, as well as to the intermediate joints between the several sections so as to obtain a high vacuum throughout the entire length of cable; and introducing oil into the cable and the interior of the joints, and thereby impregnating the entire length of cable at a single operation.

1,737,651. ROLLING TOY. WILLIAM C. FARNUM, Fitchburg, Mass. Filed Mar. 3, 1928. Serial No. 258,987. 8 Claims. (Cl. 46—45.)



6. A rolling toy comprising a rotating disc, supporting rods mounted in fixed relation thereto and disposed oblique to the surface thereof, and blocks slidable on said rods and movable by rotation of said disc towards and away from said disc.

1,737,652. BALLAST LAMP AND FILAMENT-ACTIVITY TEST FOR REPEATERS. DANFORTH K. GANNETT, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 18, 1928. Serial No. 306,681. 9 Claims. (Cl. 179—175.)

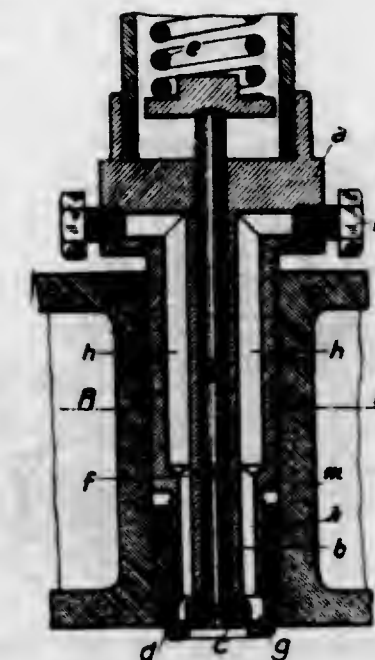


1. The method for determining the voltage current characteristic of a ballast resistor which consists in shunting the same with a fixed resistance such that the current taken by the parallel circuit is constant between certain voltage limits, and measuring said total current by applying a voltage between said limits.

1,737,653. INJECTING NOZZLE FOR VISCOUS FUELS IN DIESEL ENGINES. RUDOLF GAUFF, Cologne-on-the-Rhine, Germany, assignor to Motorenfabrik Deutz Aktiengesellschaft, Cologne-Deutz, Germany. Filed Nov. 5, 1926. Serial No. 146,468, and in Germany Nov. 26, 1925. 3 Claims. (Cl. 123—32.)

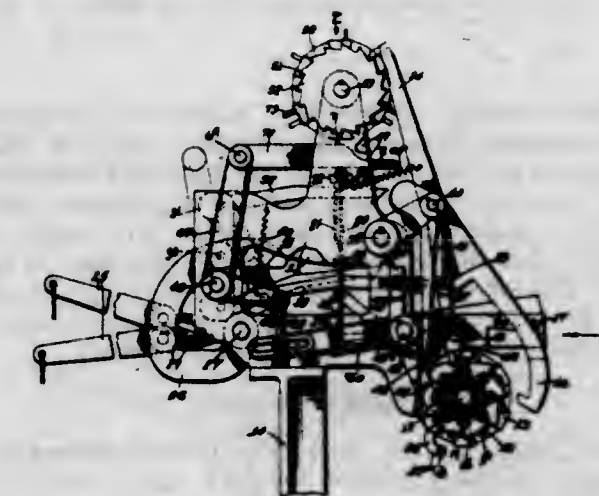
1. An injecting nozzle for viscous fuels, for use in Diesel engines, consisting of a nozzle body secured in the cylinder of the engine and enclosing the movable valve members that effect the injection of the fuel into the cylinder, said valve members being surrounded by cavities which serve for the reception of liquid and extend from the lower part to the upper part of the nozzle body to give up there to the nozzle body the heat which the filling liquid takes up from the lower part of the nozzle body, which becomes hot when the engine is in operation, said

cavities forming an annular chamber connected with ducts traversing the nozzle body, and said annular chamber sur-



rounding the valve plate secured to the movable spindle enclosed by the nozzle body, and the adjustable seat for said valve plate.

1,737,654. TWO-WEAVE DOBBY. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 16, 1928. Serial No. 246,953. 9 Claims. (Cl. 139—74.)

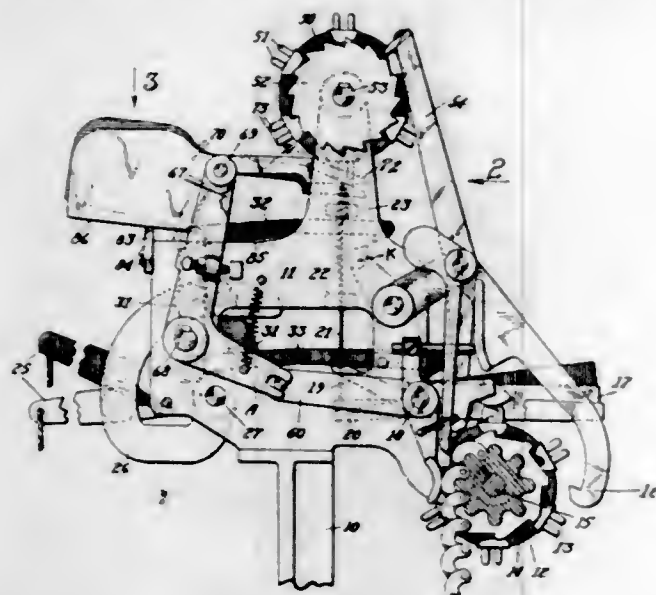


1. In a dobby having a main pattern surface and an auxiliary pattern surface each movable about a fixed axis and having dobby fingers to be controlled directly by the main pattern surface, a set of auxiliary fingers for the auxiliary pattern surface, means defining a pivot for said auxiliary fingers, intermediate elements between the auxiliary fingers and the dobby fingers whereby movement of an auxiliary finger will cause movement of the corresponding dobby finger, and means to move the pivot for said auxiliary fingers relatively to the axis of the auxiliary pattern surface to move said auxiliary fingers into and out of operative position with respect to the auxiliary pattern surface.

1,737,655. NAME DOBBY FOR LOOMS. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1928. Serial No. 318,915. 9 Claims. (Cl. 139—74.)

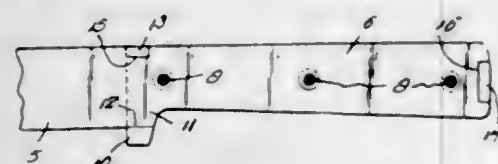
1. In a loom dobby, a pattern surface, a set of dobby fingers to cooperate with the pattern surface, a pivotal

support for the fingers movable to present said fingers into operative and inoperative relationship with respect to the pattern surface, a control rod to be depressed by said



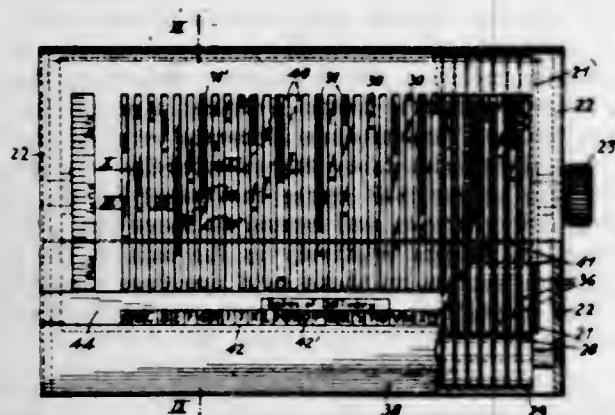
fingers, a counterweight rigid with each finger, and a support for the counterweights tending to hold the latter normally out of contact with its corresponding control rod.

1,737,656. KNIFE HANDLE. ROY LE GORE, Churdan, Iowa. Filed Apr. 6, 1928. Serial No. 267,919. 3 Claims. (Cl. 30-9.)



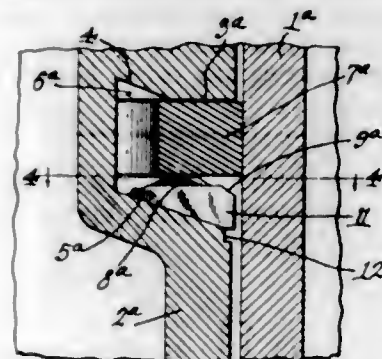
1. A knife handle comprising a blade having a shank, gripping members disposed and secured on opposite sides of said shank and the rear end of the blade and depending integral spurs on the forward ends of the gripping members secured against opposite sides of the rear end of the blade, said blade having a notch in the back edge of the rear end thereof opposite said spurs, and a pair of opposed lugs projecting inwardly from the forward end of the gripping members and fitting in said notch.

1,737,657. INDICATOR. MAX FRITZ GUSTAV HOFFMANN, Chemnitz, Germany. Filed Sept. 12, 1927, Serial No. 219,128, and in Germany Sept. 24, 1926. 10 Claims. (Cl. 116-133.)



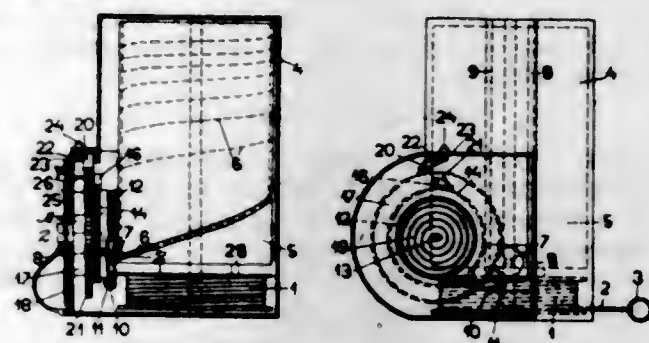
1. An indicator comprising a casing, a dark colored grid on said casing, and light colored flexible bands bearing indications and arranged side by side and adapted to be adjusted in parallel rows in said casing and to be exposed in the interstices of the grid bars.

1,737,658. PISTON. FRED M. HOWE, Wellsboro, Pa. Filed Sept. 6, 1927. Serial No. 217,719. 4 Claims. (Cl. 74-108.)



1. In a device of the class described, a piston having a ring groove and oppositely slanting walls forming a widened chamber at the inner side of the ring groove, a ring in the ring groove, the piston having a transverse passage of approximately semi-circular form, the passage opening into the ring groove and being located immediately adjacent to the ring, on the crank case side thereof, the inner end of the passage being in communication with the chamber, the piston being supplied with an oil outlet for the chamber.

1,737,659. APPARATUS FOR CALCULATING AND MEASURING PURPOSES. PAUL JELLNER and FRITZ BEER, Vienna, Austria. Filed Oct. 25, 1927, Serial No. 228,669, and in Austria Nov. 2, 1926. 7 Claims. (Cl. 235-61.)



1. Apparatus for calculating and measuring purposes, comprising in combination a displaceable measuring device for measuring lengths, an indicating device, logarithmic transmission means operatively connected to said measuring device for producing movement of the indicating device proportional to the logarithm of the measurement and coupling means operatively connected to said indicating device and transmission means for establishing driving connection between the former and the latter, said coupling means being adapted to allow the measuring device to return to its inoperative position, after a measurement has been effected without producing corresponding movement of the indicating device, for the purpose of enabling the product of several quantities to be read off directly from the indicating device without previous numerical determination of the quantities.

1,737,660. THREE-WEIGHTED TORSION BALANCE. ERYAND KOGNETLIANTZ, Paris, France. Filed May 31, 1927, Serial No. 195,547, and in France June 14, 1926. 3 Claims. (Cl. 265-1.)



1. A torsion balance comprising a suspension wire, a beam constituted by more than two horizontal rods se-

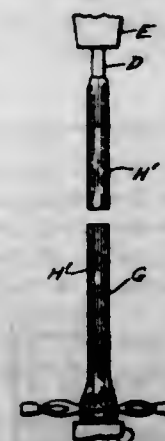
cured together angularly spaced by equal amounts one with reference to the other and starting radially from the lower end of the suspension wire and equal masses equal in number to the rods and means whereby the masses are secured to the end of the corresponding rods and at a vertical distance therefrom different for each mass.

1,737,661. AIR DIFFUSER FOR AUDITORIUMS AND THE LIKE. LEO L. LEWIS, Plainfield, N. J., assignor, by mesne assignments, to Auditorium Ventilating Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed June 21, 1927. Serial No. 200,365. 14 Claims. (Cl. 98-40.)



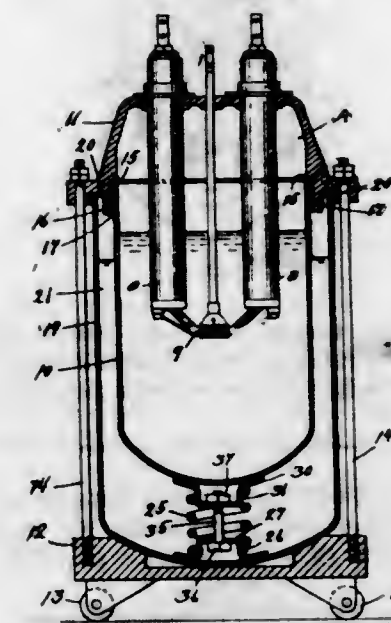
1. In a ventilating or air distributing system for a room and in combination, an air supply conduit running adjacent and approximately parallel to a wall of said room and having air discharge passages opening into said room through a lateral wall of said conduit and substantially flush with the room surface of said wall, each of said passages extending obliquely to said surface and at their inner ends opening into said conduit in directions transverse to the direction of travel of the air along the conduit.

1,737,662. METHOD OF MAKING QUARTZ TUBES. ALBERT J. LOEPSINGER, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed June 22, 1928. Serial No. 287,583. 4 Claims. (Cl. 49-78.1.)



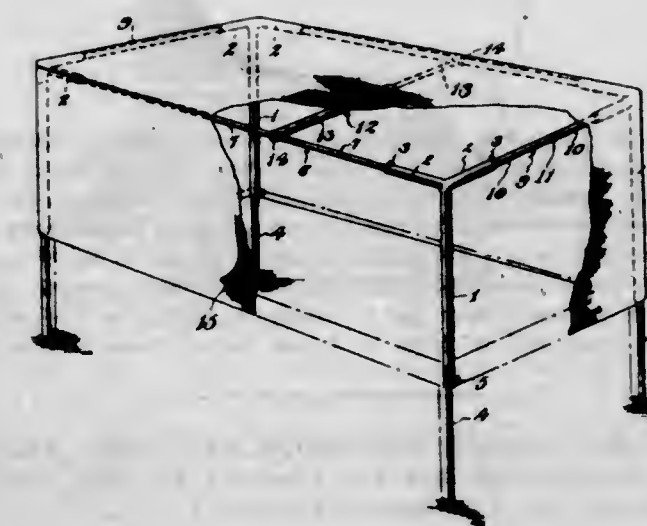
3. The method of making a quartz tube which comprises engaging the ends of a viscous tubular slug by separately rotatable holding means adapted to be drawn apart, and imparting to said means different relative speeds of rotation whereby the slug is twisted about its longitudinal axis and a quartz tube is formed.

1,737,663. ELECTRIC SWITCH. JOSEPH N. MAHONEY, Brooklyn, N. Y., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 1, 1924. Serial No. 729,646. 21 Claims. (Cl. 200-150.)



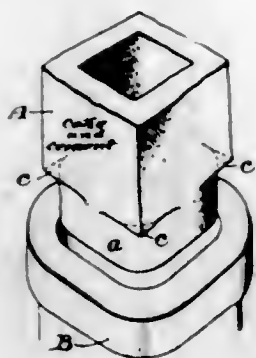
1. An electric switch having an outer receptacle, a movable inner receptacle, and initially-stressed resilient means disposed between said receptacles and arranged to support said inner receptacle yieldingly from the bottom of said outer receptacle.

1,737,664. CANOPY SUPPORT FOR BEDSTEADS. RICHARD M. MANESS, Ada, Okla. Filed Apr. 6, 1928. Serial No. 267,920. 1 Claim. (Cl. 135-5.)



A device of the class described comprising a frame including tubular corner posts, legs slidably adjustable in the corner posts, the upper ends of said corner posts having angularly disposed tubular sections, end bars and side bars, the said bars being adjustably connected in aligned tubular sections, said side and end bars consisting of pivotally connected sections, and a sectionalized bar adjustably connecting the side bars.

1,737,665. SHRINK HEAD CASING FOR INGOT MOLDS. EUGENE L. MESSLER, Pittsburgh, Pa., assignor to The Gathmann Engineering Company, Baltimore, Md., a Corporation of Maryland. Filed July 6, 1925. Serial No. 41,680. 1 Claim. (Cl. 22-147.)



A shrink head casing for ingot molds made from a mixture of coke screenings, mixed with Portland cement in proportions by weight of about seven parts of coke to one part cement.

1,737,666. AUDITORIUM. ERNST MILKUTAT, Tilsit, Germany. Filed Sept. 8, 1925, Serial No. 55,044, and in Germany Apr. 8, 1925. 4 Claims. (Cl. 181-30.)



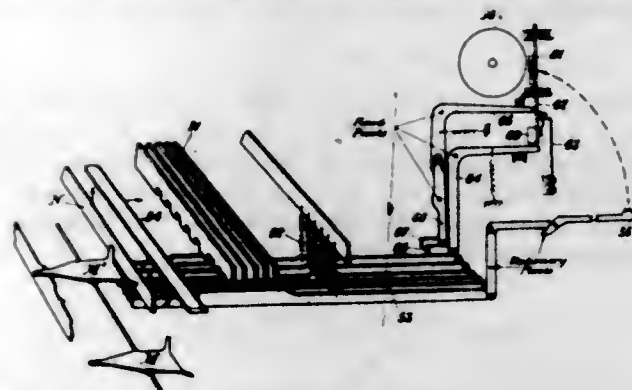
1. An improved concert hall or the like which consists in a room the numerical values of the dimensions of the length, breadth and maximum height of which form a mathematical series formed according to the golden rule of proportion, which comprises a series in which each term is the mean proportional of the terms which precede and follow it respectively and in which the ceiling of the room is hyperboloidal in form to avoid obliterations of sound.

1,737,667. PUSHER FOR SCREW MACHINES. FRANK H. MILLIGAN, Windsor, Vt. Filed Apr. 11, 1927. Serial No. 182,780. 2 Claims. (Cl. 29-62.)



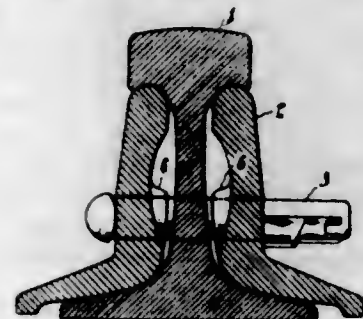
1. A pusher consisting of a longitudinally split cylindrical tube having its slot forming a slight spiral and opening through its front end and terminating short of its rear end.

1,737,668. SIGNALING SYSTEM. LYMAN F. MOREHOUSE, Montclair, N. J., and EDWARD F. WATSON, Larchmont, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 31, 1924. Serial No. 759,136. 14 Claims. (Cl. 178-13.)



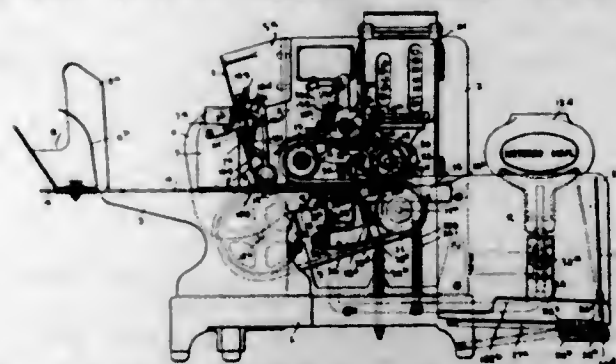
2. In a picture transmitting system, means to punch code combinations in a tape corresponding in order to the degree of shade of successive elemental areas of a picture to be transmitted, means governed by such a tape to transmit corresponding electric currents, means determined by said currents to reproduce the successive picture elements in corresponding shade at the receiving end, and means to govern the color of said picture elements in accordance with special code combinations in a tape and the corresponding currents determined thereby.

1,737,669. RAIL JOINT. JOHN P. NORTHEY, Toronto, Ontario, Canada. Filed Feb. 21, 1929. Serial No. 341,693. 2 Claims. (Cl. 2-1.)



1. In a rail joint, the combination of rail ends; splice bars engaging the sides of the rail ends; and bolts passing through the splice bars, certain of the bolts having less play in the holes in the rail webs through which they pass than the remaining bolts, whereby said closely fitting bolts take all the longitudinal stresses due to rail contraction and expansion, the inner faces of the splice bars being spaced from the rail web and provided with bosses surrounding the holes through which the bolts taking longitudinal stresses pass, which bosses extend close to the rail web.

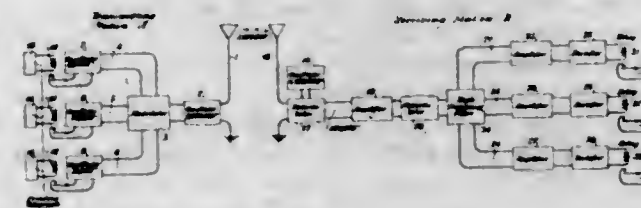
1,737,670. MAILING MACHINE. JACOB W. OGDEN, CARL C. LUND, and WALTER H. WHEELER, Jr., Stamford, Conn., assignors to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed Apr. 9, 1928. Serial No. 268,550. 16 Claims. (Cl. 271-2.)



1. In a machine of the character specified, a feed hopper comprising a bottom guide plate, an end plate at its dis-

charge end, an inclined end member at its opposite end, a rearwardly inclined rear plate adjacent the latter end member, a front plate, and a rearwardly inclined rear plate adjacent the discharge end plate—said plates being so disposed that a pile of shingled envelopes when placed in the hopper can tilt both longitudinally and transversely in accordance with the natural slant of a pile of superposed shingled envelopes.

1,737,671. MULTICHANNEL RADIO PRINTING-TELEGRAPH SYSTEM. RUSSELL S. OHL, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 24, 1924. Serial No. 757,925. 4 Claims. (Cl. 250-9.)



1. In a multi-channel radio printing telegraph system the combination with a source of ultra high frequency carrier oscillations, of a plurality of sources of signal oscillations differing in frequency each from the other and from the said carrier oscillations, a printing telegraph transmitter individual to and connected with each of the said sources of signal oscillations having means to effect the transmission or suppression of a train of signal oscillations depending upon whether a closed or an open impulse of the printing telegraph code is to be transmitted, means to modulate the carrier oscillations with the trains of signal oscillations from the several sources, and a receiving station comprising means to receive the modulated carrier oscillations, means to separate the impulses of each channel and means to detect and to translate the said impulses.

1,737,672. RADIO PRINTING-TELEGRAPH SYSTEM. RUSSELL S. OHL, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 24, 1924. Serial No. 757,927. 5 Claims. (Cl. 250-8.)

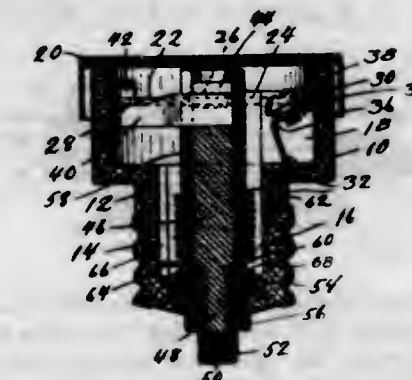


2. In a radio printing telegraph system, the combination with a radio transmitting station having means for modulating a radio frequency carrier by printing telegraph impulses, of a radio receiving station having means to beat down the received radio frequency impulses to a lower frequency which is above the limits of audibility, means to amplify the lower frequency, means to rectify the amplified impulses, and a printing telegraph receiver upon which the rectified impulses are impressed.

1,737,673. THERMAL CUT-OUT. GEORGE W. O'KEEFE, Dorchester, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 11, 1924. Serial No. 755,347. 16 Claims. (Cl. 200-117.)

1. A current limiting electric cut-out comprising a casing having a pair of exposed terminal members adapted for detachable connection with a cut-out block, a fixed terminal connected with one of said terminal members, a movable terminal connected with said other terminal mem-

ber and including a rotatably-supported shaft having a laterally-extended arm, a current limiting fusible link con-



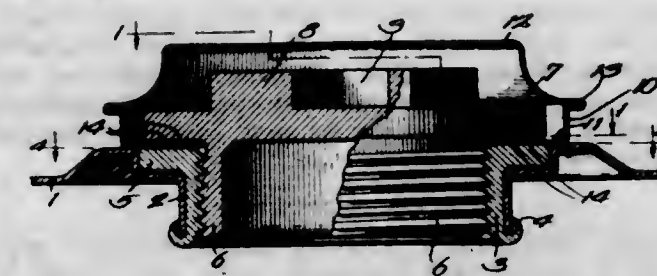
necting said arm and fixed terminal, and means to bias said movable terminal for movement away from said fixed terminal.

1,737,674. THERMAL CUT-OUT. GEORGE W. O'KEEFE, Dorchester, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., a Corporation of Massachusetts. Filed Jan. 30, 1926. Serial No. 85,003. 3 Claims. (Cl. 200-117.)



1. A fusible link for an electric cut-out comprising two separable current-carrying members united by a mass of readily fusible material, and a porous tubular cover of electrically insulating and heat-resisting material enclosing said fusible mass and adjacent portions of said current-carrying members loosely and adapted to retain in the pores the metal particles of the fused material, said current-carrying members extended outwardly beyond the open ends of said cover and terminated in reflexed ends provided with hooks, the ends of said cover being terminated at and held from displacement on said link by said reflexed ends.

1,737,675. CONTAINER HAVING BUNG. RICHARD L. PARISH, Chicago, Ill. Filed Jan. 16, 1928. Serial No. 247,163. Renewed May 27, 1929. 3 Claims. (Cl. 220-39.)

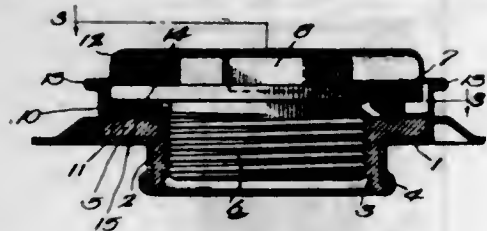


1. In a sput construction for a container having a hole thru a wall thereof, a flanged bushing adapted to be inserted in said hole, a flanged closure plug cooperating with said bushing, and a guard having a ring portion of sheet metal adapted to be clamped between said flanges, said ring portion having an initially hollow ridge substantially concentric to the said opening adapted to be compressed as the plug is inserted, thereby to serve both as a sealing means and gasket element.

1,737,676. CONTAINER HAVING BUNG. RICHARD L. PARISH, Chicago, Ill., assignor to American Flange & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 28, 1928. Serial No. 281,274. 2 Claims. (Cl. 220-39.)

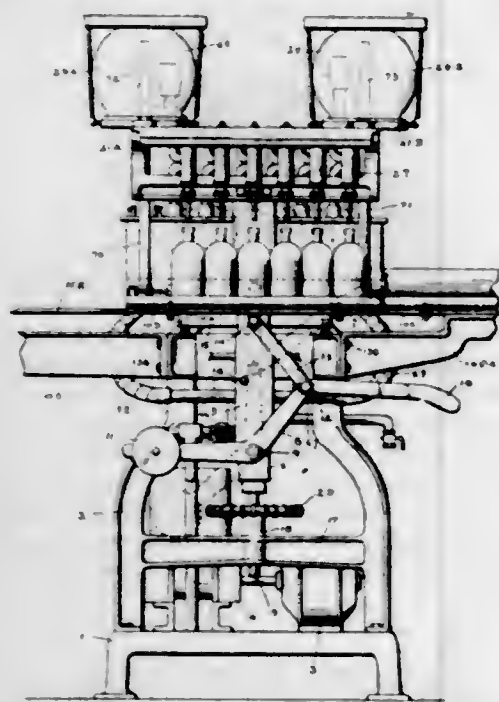
1. In a sput construction for a container having a hole thru a wall thereof, a flanged bushing adapted to be in-

sorted in the hole, a flanged closure plug cooperating with said bushing, and a member having a ring portion of sheet metal adapted to be clamped between said flanges, said



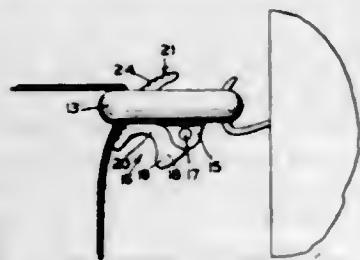
ring portion being formed into an annular channel, and a gasket supported and dove-tailed therein whereby said channel and gasket are distorted between the aforesaid flanges when the plug is screwed home.

1,737,677. VACUUM FILLING MACHINE. THEODORE E. PENNOCK, Rochester, N. Y., assignor to Standard Automatic Machine Company, Rochester, N. Y., a Corporation of New York. Filed May 2, 1924. Serial No. 710,623. 15 Claims. (Cl. 226—116.)



13. In a vacuum filling machine, the combination of nozzles adapted to fill bottles by creating a vacuum therein, a platen by which bottles are raised into connection therewith and lowered therefrom, two overflow receptacles adapted to receive the air and excess liquid from the bottles, a valve actuated by the lowering of the platen to alternately connect the nozzles first with one overflow receptacle and then with the other.

1,737,678. AUTOMATIC ADJUSTABLE ROPE TIE. WILLARD G. PHILLIPS, Hollywood, Calif. Filed Oct. 4, 1928. Serial No. 310,201. 8 Claims. (Cl. 24—134.)



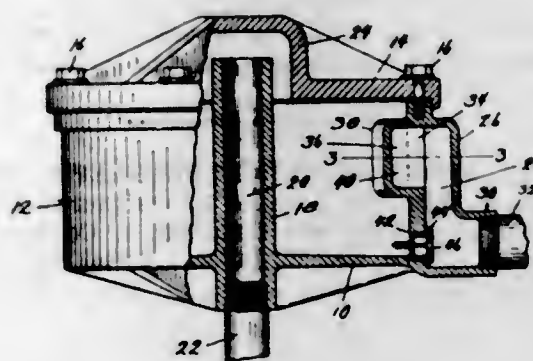
1. A rope tie comprising in combination a link-like structure having a longitudinal central opening, and a side opening leading therefrom, ears projecting from one side of the structure, a dog pivotally mounted in said ears and having a cam face adapted to move partly through said opening, the cam face being adapted to engage a rope pressed against one end of the said structure.

1,737,679. SHOE. LUIGI PIGNANELLI, Tacoma, Wash. Filed June 14, 1928. Serial No. 285,386. 3 Claims. (Cl. 36—19.)



1. In a shoe, the combination of an outsole provided with a channel in its underside, an upper having its lower edge extending inwardly above said outsole, fabric located above and below said lower edge for coupling the same at opposite sides of the shoe and cooperating with the upper to encircle the foot at the fore part of the shoe, and an insole located above said intumed edge at the rear part of the shoe, the front end of said insole being located at or about the ball of the foot, said outsole being sewed by a seam extending upwardly from said channel throughout the length of the shoe to the intumed edge of the upper, and also to the insole and to said fabric at the rear and fore parts respectively of the shoe.

1,737,680. GAS AND LIQUID SEPARATOR. HENRY P. PINKHAM, Wollaston, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., a Corporation of Massachusetts. Filed Sept. 1, 1927. Serial No. 216,878. 9 Claims. (Cl. 183—39.)

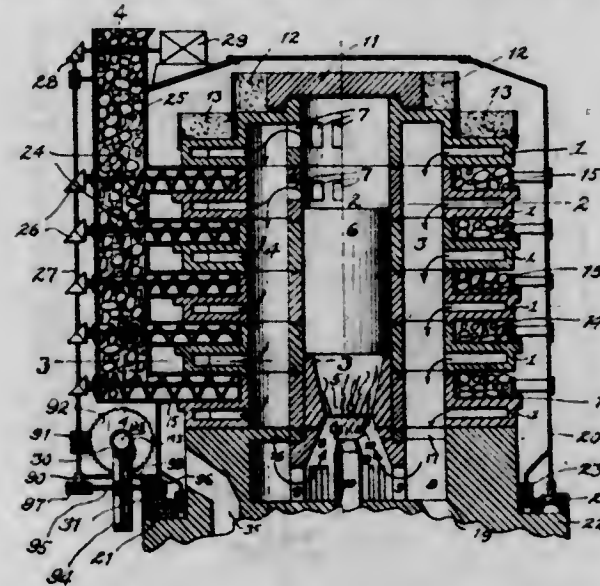


4. An oil separator comprising a cylindrical casing having an exit passage for the gas in the middle thereof and an entrance nozzle for the combined gas and liquid stream at the side thereof which is inclined to direct the stream against the cylindrical inner face of the casing, and an inlet pipe communicating with said nozzle, said casing having an opening in the lower portion thereof establishing communication between the interior of the casing and said inlet pipe and through which the separated oil can return into said inlet pipe, and a check valve normally closing said opening against fluid flow therethrough into the casing.

1,737,681. RETORT FOR CARBONIZING BITUMINOUS FUELS. JOSEF PLASSMANN, Duisburg, Germany, assignor to Chemisch-Technische Gesellschaft m. b. H., Duisburg, Germany. Filed June 14, 1926. Serial No. 115,935, and in Germany June 30, 1925. 3 Claims. (Cl. 202—104.)

1. A carbonizing retort comprising in combination a structural unit comprising an assembly of a plurality of segments made of refractory material, having a hollow portion of reduced radius and a hollow portion of larger radius and capable when assembled of forming a set of

alternately superposed annular carbonizing chambers and segmental heating chambers, the former being closed at their inner end and wholly independent of each other, said segments having inner walls which form a central vertical



combustion shaft, a casing surrounding said structural unit, said inner walls being provided with openings which establish communication between said combustion shaft and said segmental heating chambers.

1,737,682. INNER SOLE. CHARLES N. PROUTY, Spencer, Mass. Filed June 13, 1928. Serial No. 285,144. 2 Claims. (Cl. 36—22.)



1. As an article of manufacture, a welt innersole comprising a leather portion of a comparatively thin structure and having the usual cut channel around the edge and provided with a reinforcing layer of paper material secured to the innersole and spaced around its edges from the channeled portion thereof throughout its periphery to provide a space entirely around it for sewing the upper to the innersole and receiving the stitches at the level of the bottom of said reinforcing layer.

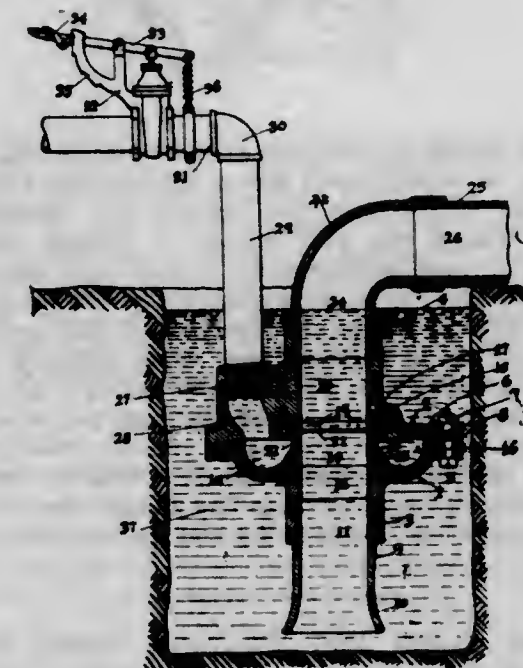
1,737,683. ARTIFICIAL MINNOW FOR FISHING. HARDIE READMAN, Earlston, Scotland. Filed Apr. 28, 1927. Serial No. 187,334, and in Great Britain Sept. 6, 1926. 5 Claims. (Cl. 43—47.)



1. The method of manufacturing an artificial bait which consists in joining together two sections of an ichthyoid 389 O. G.—7

body and a bladed thermo-plastic element by passing a tube through the two sections and through the bladed element after positioning the element between the two sections, uniting the parts by means of an adhesive or cement, thereafter subjecting the whole to heat and twisting the blades of the now plastic element to form a spinner or fins, coating the body with a lustrous paint before or after the heating operation, and finally covering the body with an iridescent covering and waterproofing the same.

1,737,684. JET-NOZZLE APPARATUS. CHARLES B. REYNOLDS, La Habra, Calif. Substitute for abandoned application Serial No. 719,006, filed June 9, 1924. This application filed Sept. 26, 1928. Serial No. 308,536. 3 Claims. (Cl. 103—260.)



1. A jet nozzle for elevating a liquid comprising in combination a liquid intake pipe, an annular nozzle to conduct another fluid into said intake pipe, said nozzle comprising an annular chamber having two parts, an annular inclined jet opening having an annular opening without obstructions leading into the intake pipe from said chamber, a screw threaded connection between the two parts of the chamber whereby the nozzle faces may be adjusted towards and from each other, and having removable and replaceable faces for the jet opening.

1,737,685. HEAT-ABSORBING BOROSILICATE GLASS AND METHOD OF MAKING THE SAME. WALTER H. RISING, Painted Post, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed May 24, 1928. Serial No. 280,388. 19 Claims. (Cl. 106—36.1.)

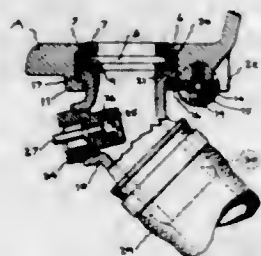
1. The hereinbefore described method of producing a heat-absorbing borosilicate glass which comprises melting under reducing conditions a batch containing silicon, boron, a metallic element of the second periodic group having an atomic weight between 60 and 120, and iron.

1,737,686. METHOD OF PRODUCING HEAT-ABSORBING GLASSES AND BATCHES THEREFOR. WALTER H. RISING, Painted Post, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed May 24, 1928. Serial No. 280,889. 6 Claims. (Cl. 106—36.1.)

1. The method of modifying the color of glasses resulting from the melting of a batch containing an element of

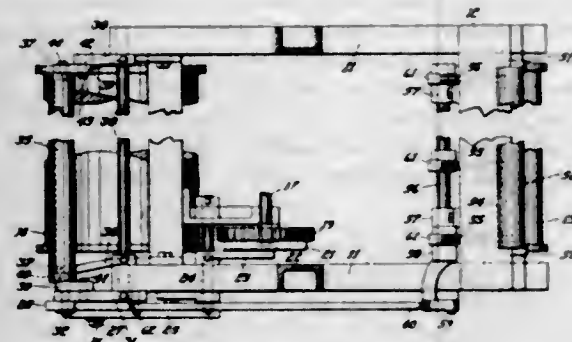
the second periodic group, whose atomic weight is between 20 and 140, and substantial quantities of ferrous iron and a reducing agent by the addition to the batch of a small quantity of a substance containing tin.

1,737,887. AUTOMATIC TRAIN-PIPE COUPLING. JOSEPH ROBINSON, New York, N. Y. Filed Nov. 26, 1921. Serial No. 517,844. Renewed Jan. 3, 1927. 6 Claims. (Cl. 285-58.)



1. An automatic train pipe connector comprising in combination, a coupling head having an opening, a flange on said head surrounding said opening and extending inwardly toward the axis thereof, a conduit removably mounted in said opening with its front end spaced rearwardly of said flange, an expansible gasket in said head between said flange and the front end of said conduit, said gasket having a flexible front flange adapted to bear against said flange on the head and having a flexible rear flange adapted to bear against the front end of said conduit, said gasket also having an interior annular recess between its flanges whereby pressure fluid in said recess of the gasket serves to force the flanges thereof axially against said flange on the head and the front face of said conduit.

1,737,688. LOOM FOR WEAVING TERRY FABRIC. ERRA H. RYON, Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 4, 1926. Serial No. 139,305. 13 Claims. (Cl. 139-25.)

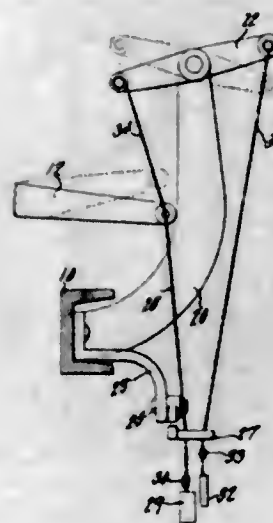


1. In a loom for weaving terry pile fabric having a lay moving through a fixed range of action, a whip roll for the warp, a cloth board for the woven fabric, and means defining a toggle joint operatively connected to the loom frame and the whip roll to move the latter rearwardly positively on selected beats of the loom.

1,737,689. SHEDDING MECHANISM FOR LOOMS. RICHARD GREENLEAF TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 4, 1927. Serial No. 210,654. 7 Claims. (Cl. 139-87.)

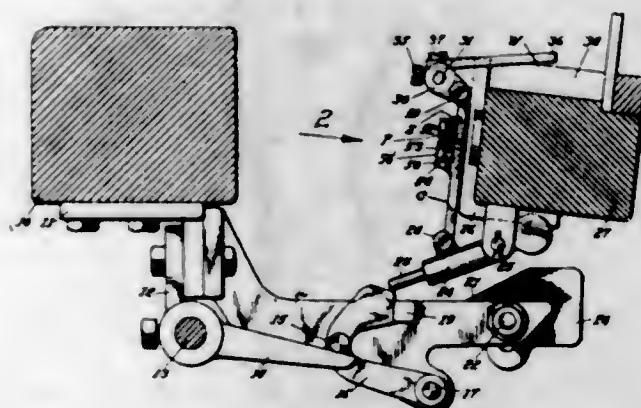
1. In shedding mechanism for a loom, a harness lever to move from one position to the other, a pair of heddle

cords one of which is directly connected to the harness lever, a rocking lever having oppositely extending arms, a link connecting said harness lever and one of the arms



of the rocking lever, the other of the heddle cords being connected to the other arm of the rocking lever, and weighted means tending normally to lower said cords.

1,737,690. FILLING FORK FOR LOOMS. KENNETH J. UNWIN, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 18, 1928. Serial No. 278,893. 9 Claims. (Cl. 131-376.)

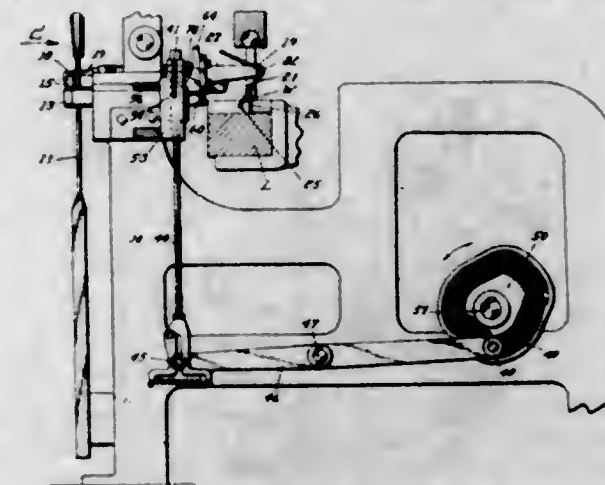


1. In a filling stop motion for a loom having a lay, a filling fork normally in non-detecting position when the lay is in rearward position, a spring to exert a force on said fork tending to move the latter toward detecting position as the lay advances, and means to arrest motion of the spring relatively to the lay as the fork nears the end of its movement toward detecting position.

1,737,691. COMBINED FILLING FORK AND WEFT-REPLENISHING MECHANISM. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 12, 1928. Serial No. 261,148. 6 Claims. (Cl. 139-225.)

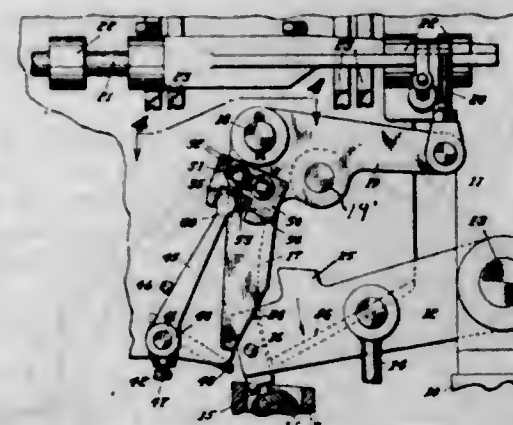
1. In a weft replenishing loom having a lay, weft replenishing mechanism including as a part thereof a rocking color slide element which receives a motion on detecting beats of the loom when exhaustion of weft is indicated when the lay is substantially in its foremost position,

tion, a filling stop motion, and a single moving member to cooperate with the element to give the latter a rocking



movement on weft exhaustion indicating beats of the loom and also the filling stop motion to effect operation of the filling stop motion.

1,737,692. WEFT-REPLENISHING LOOM WITH REGULARLY-MOVING TRANSFER ARM. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 16, 1928. Serial No. 293,022. 13 Claims. (Cl. 139-230.)

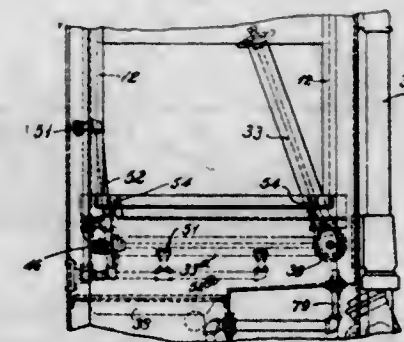


1. In a weft replenishing loom provided with a transfer arm having a regularly recurring transferring movement toward the shuttle at a predetermined time every alternate beat of the loom and having a regularly recurring non-transferring movement away from the shuttle at some time other than the predetermined time, means to support a bobbin in transfer position, and means operated by a force derived from the transfer arm as the same has a non-transferring movement to act on the first named means to release an untransferred bobbin.

1,737,693. DISH-WASHING MACHINE. GEORGE WEBB, West Hartford, and FRANK D. JENKA, Hartford, Conn., assignors to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed July 6, 1926. Serial No. 120,710. 6 Claims. (Cl. 141-9.)

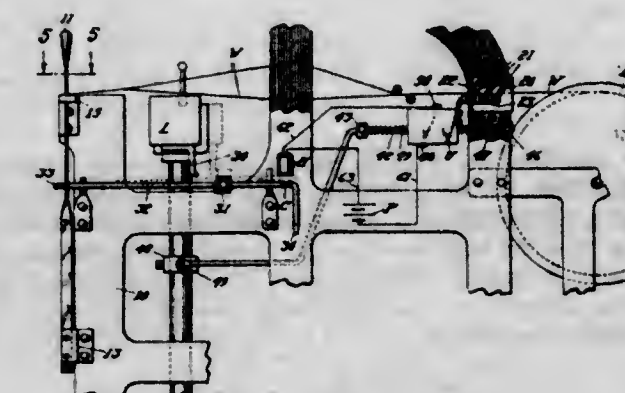
2. In a washing machine for dishes or similar articles, the combination of a main casing having an opening at

one side for the admission of dishes to be washed, means in the casing in register with the opening for supporting the dishes, a removable horizontal screen located in the casing below the position of the dishes supported on the said supporting means, a reservoir positioned to receive washing liquid passing through the screen, a main spray device normally located above the screen and below the position of the dishes, the said device being pivotally con-



ected with the casing for upward movement about a horizontal axis at one side, and an auxiliary spray device also normally located above the screen and below the position of the dishes, the said device being pivotally connected with the casing for upward movement about a horizontal axis at the side of the casing opposite the first said axis, the two said spray devices being adapted to be swung upward in opposite directions about their respective axes to provide access to the said screen.

1,737,694. WARP STOP MOTION. HERBERT A. WHITIN, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1929. Serial No. 330,645. 5 Claims. (Cl. 139-354.)

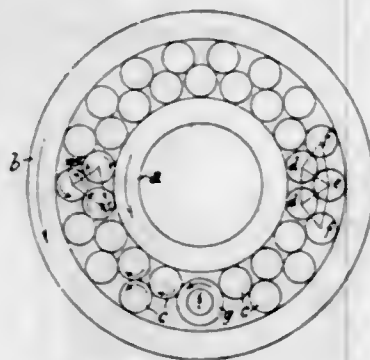


1. In a warp stop motion having a detector rod free to oscillate normally but held against oscillation when a fault in the warp occurs, a regularly moving member, knock-off mechanism to stop the loom, means comprising a yielding driving connection between the member and the rod, said means including two relatively movable parts which are normally stationary with respect to each other to effect movement of the detector rod, and electrical devices effective to move the stopping mechanism to loom stopping position to be actuated upon relative movement of said members.

1,737,695. FRICTION-ROLLER TRANSMISSION GEAR. WALDEMAR ZADOW, Berlin, Germany. Filed Apr. 14, 1927. Serial No. 183,858, and in Germany Apr. 20, 1926. 4 Claims. (Cl. 74-26.)

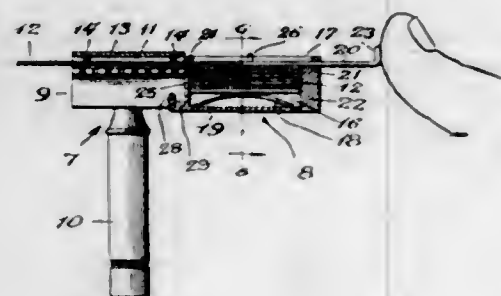
1. Friction roller transmission gear with coaxial driving and driven shafts, comprising in combination an outer race ring, an inner race ring, a plurality of rows of friction rollers between the said outer and inner race rings,

the rollers being so arranged that the rollers of the row running on the inner race ring are not in contact with one another and that the rollers of one of the outer rows of rollers each make contact with two rollers of the



inner row lying next to it and movable means engaging certain adjacent friction rollers of one row of rollers operable to vary the frictional engagement between the rollers and the rings and between adjacent rollers, as and for the purpose set forth.

1,737,696. SAFETY RAZOR AND BLADE MAGAZINE THEREFOR. IRVING R. ALLEN, Wheaton, Ill. Filed Sept. 7, 1928. Serial No. 304,438. 1 Claim. (Cl. 30-12.)



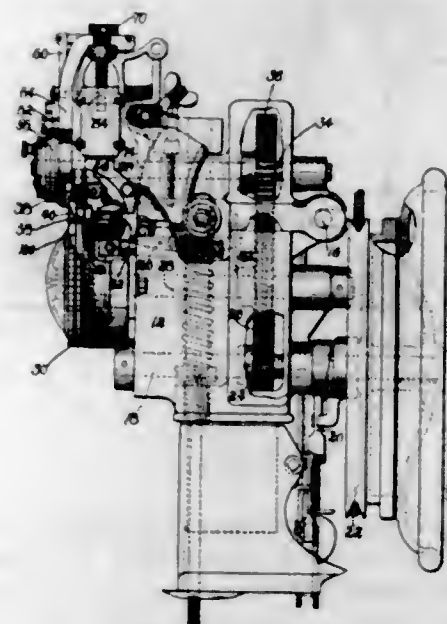
The combination with a safety razor having a blade receiving channel and provided with a slot adjacent one end, of a blade holding magazine provided with a blade ejecting member and co-operating attaching means on the razor and magazine comprising a hook member on the magazine adapted to engage in the slot in the razor for detachably securing the razor and magazine together.

1,737,697. LOCOMOTIVE STRUCTURE. WILLIAM O. ASH, St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill., a Corporation of Delaware. Filed Jan. 28, 1929. Serial No. 335,690. 19 Claims. (Cl. 105-172.)



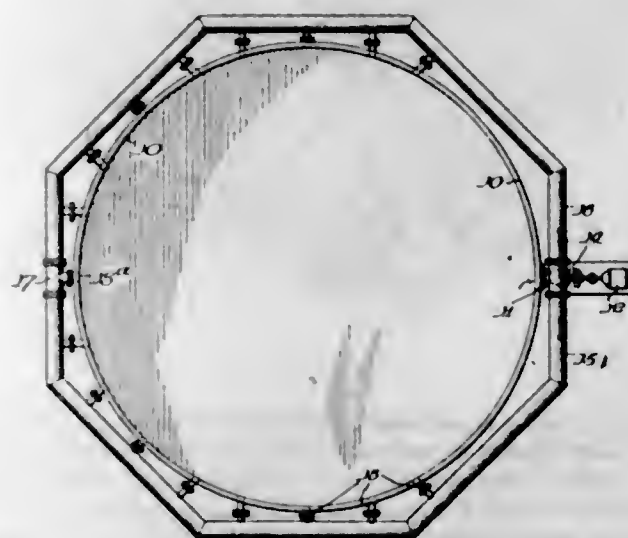
1. In a locomotive, an underframe having side members, a cylinder saddle supported thereon, a transverse member located between said members beneath said saddle, and a body center plate mounted on said transverse member beneath said saddle.

1,737,698. SOLE-FITTING MACHINE. HARRIE A. BALLARD, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 20, 1927. Serial No. 162,382. 26 Claims. (Cl. 12-27.)



1. In a machine of the class described, means for operating upon the margin of a sole blank as the margin of the blank is fed past the operating means, and mechanism controlled by the blank for withdrawing the operating means from the blank when a predetermined portion of the margin of the blank reaches the operating means.

1,737,699. AGITATOR. JOSEPH E. BOND, Appleton, Wis. Filed Mar. 5, 1928. Serial No. 259,079. 6 Claims. (Cl. 92-737.)

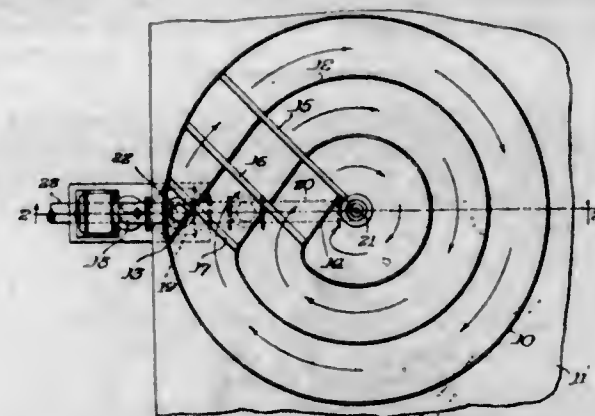


1. In an agitator for paper pulp the combination of a tank or container, a pump, a pump discharge pipe extending around the outside of the tank and a plurality of discharge nozzles connected to the pipe at spaced intervals, said nozzle projecting through the walls of the tank and directed to discharge the pulp laterally toward the center of the tank.

1,737,700. AGITATOR. JOSEPH E. BOND, Appleton, Wis. Filed Mar. 5, 1928. Serial No. 259,080. 3 Claims. (Cl. 92-37.)

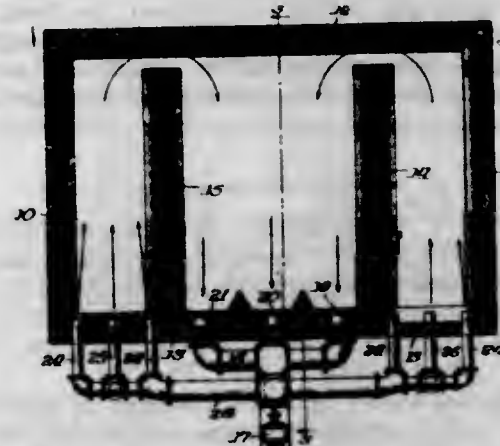
1. In combination, a circular tank, a generally volute wall connected to the tank wall at one end and terminat-

ing near the center of the tank at its other end, a pump having an inlet pipe communicating with the tank at the



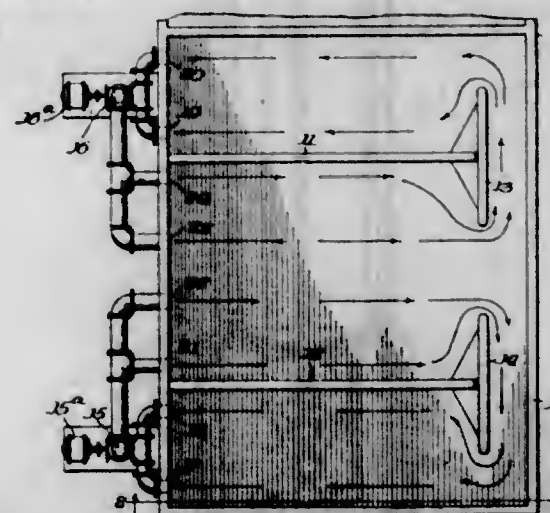
center near the floor thereof and an outlet pipe discharging into a space near the periphery of the tank adjacent to the junction of said volute wall and said tank wall.

1,737,701. AGITATOR. JOSEPH E. BOND, Appleton, Wis. Filed Mar. 5, 1928. Serial No. 259,082. 7 Claims. (Cl. 92-37.)



1. In an agitator, the combination of a tank, means providing a pair of longitudinal baffles therein to thereby divide the tank into three compartments that are in communication at one end of the tank, a pump exterior to the tank, means providing an inlet to the pump from the middle compartment and means providing discharge outlets from the pump into the two side compartments.

1,737,702. AGITATOR. JOSEPH E. BOND, Appleton, Wis. Filed Mar. 5, 1928. Serial No. 259,084. 7 Claims. (Cl. 92-37.)



1. In combination, a tank of substantially equal length and breadth, two baffle walls therein connected to one end

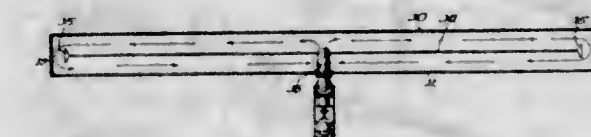
wall of the tank and spaced from the other end wall, thereby forming three adjacent compartments, a deflector disposed across the end of each of said baffle walls, and two pumps each having an inlet connection to a side compartment and each having a discharge connection to the middle compartment.

1,737,703. AGITATOR. JOSEPH E. BOND, Appleton, Wis. Filed Mar. 5, 1928. Serial No. 259,086. 4 Claims. (Cl. 92-37.)



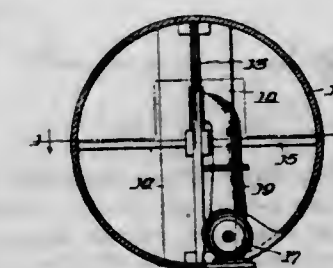
1. In combination, a relatively long and narrow horizontally disposed tank, a pump at one end thereof, said pump having an inlet at the bottom of the tank, and a pump discharge pipe extending longitudinally and substantially the entire length of the tank ending near the top of the tank.

1,737,704. AGITATOR. JOSEPH E. BOND, Appleton, Wis. Filed Mar. 5, 1928. Serial No. 259,090. 4 Claims. (Cl. 92-37.)



1. In combination, a relatively long narrow tank, a wall therein extending lengthwise thereof and dividing the space within the tank into two compartments in communication at their ends, a pump located substantially midway between the ends of the tank and below the same, a pump inlet pipe connected to the bottom of one compartment and a pump outlet pipe discharging into the top of the other compartment.

1,737,705. AGITATOR. JOSEPH E. BOND, Appleton, Wis. Filed Mar. 5, 1928. Serial No. 259,092. 3 Claims. (Cl. 92-37.)

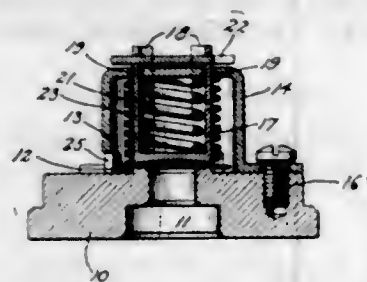


1. In combination, a cylindrical, horizontally disposed tank having a transverse baffle extending longitudinally within the same and terminating short of one end of the tank, a deflector at the end of said baffle, and a pump at the opposite end of said tank, said pump having an inlet near the lower level at one side of said baffle and an outlet at a higher level on the other side of said baffle.

1,737,706. VALVE. WILLIAM D. COLLINS, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a Corporation of Delaware. Filed May 4, 1928. Serial No. 275,134. 8 Claims. (Cl. 251-119.)

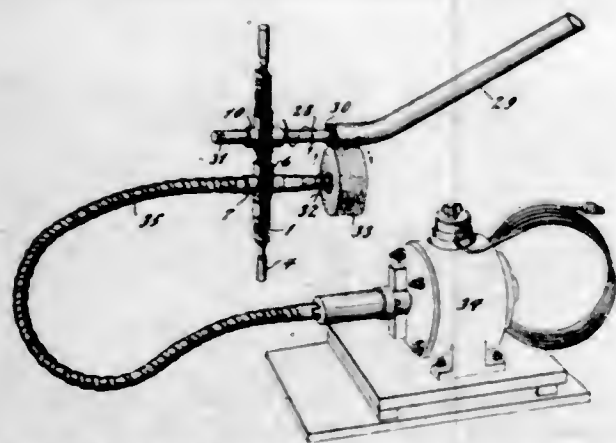
4. A valve structure having a port and a seat therefor, a valve element adapted to close said seat, a stationary

outer member arranged over said valve element and seat, a cup member over said valve element, a relatively heavy spring extending between said outer member and said cup



member, a relatively light spring extending between said outer member and said valve element, said springs being arranged beside each other and means for limiting downward movement of the cup member.

1,737,707. GRINDING MACHINE. GEORGE DICKSON, Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 3, 1925. Serial No. 47,706. 13 Claims. (Cl. 51-90.)



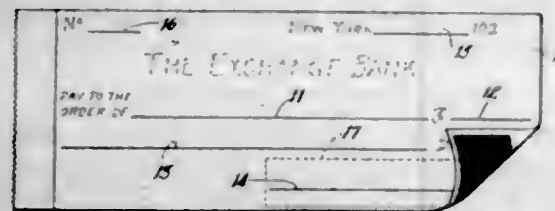
1. In a grinding machine, a frame having parallel side pieces carrying two bearings between said side pieces, means to support said frame rotatably in relation to the object to be ground, said frame carrying a grinder supported in one of said bearings.

1,737,708. SPRING UNDERCUTTER. ARCHIE F. DOUGAN, Cochran, Oreg. Filed Aug. 31, 1927. Serial No. 216,604. 1 Claim. (Cl. 143-163.)



A saw guide comprising a log engaging driving head having a penetrating point, an elastic shank projecting from the side of the head and curved backward from the point and tapered to distribute its bending capacity, and a saw engaging guide adjustable along said shank.

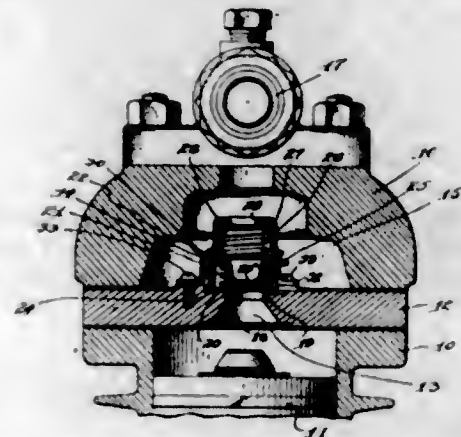
1,737,709. FORGERY-PREVENTING MEANS. HAROLD A. DWYER, Baldwin, N. Y. Filed Feb. 25, 1927. Serial No. 170,804. 2 Claims. (Cl. 283-S.)



1. As a new article of manufacture a check blank permeable to light having on its face spaces marked for the

entry of the date, the name of the payee and the amount and an area thereunder adapted to receive the signature of the maker of the check and having on its back opposite the signature area opaque material to render opaque the signature area of the check.

1,737,710. COMPRESSOR VALVE. FREDERICK R. ERBACH, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 17, 1927. Serial No. 199,442. 10 Claims. (Cl. 251-119.)

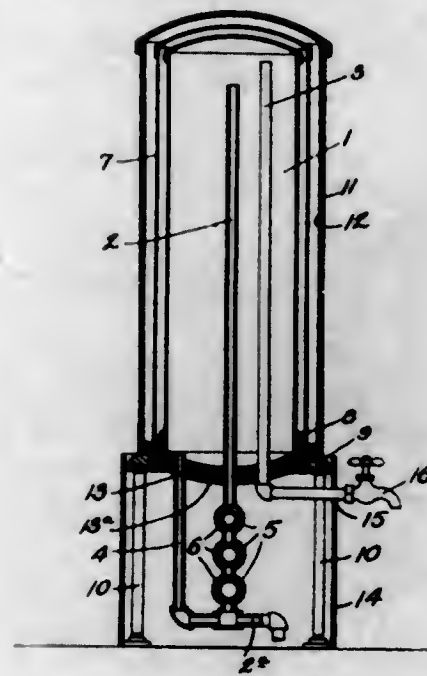


1. In a discharge valve, a valve seat, an independently reciprocable valve closing member adapted to engage said seat, a spring member adapted to engage said valve closing member, a reciprocable housing for said spring member, and means for preventing rotary movement of said housing.

1,737,711. HARDENING METAL ARTICLES BY NITROGENIZATION. ADOLF FRAY, Essen, Germany, assignor, by mesne assignments, to The Nitralloy Corporation, a Corporation of Delaware. Filed Oct. 31, 1928. Serial No. 316,362, and in Germany Nov. 17, 1927. 9 Claims. (Cl. 148-16.)

1. In the hardening by nitrogenization of selected portions of a metal article, the steps which comprise applying on the portions to be protected a coating consisting of an alkaline chloride composition substantially infusible at a nitrogenizing temperature and thereafter subjecting said article to a nitrogenizing treatment.

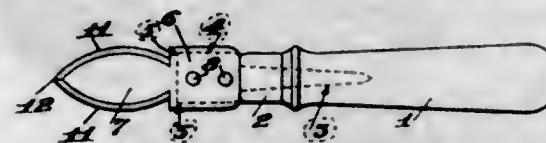
1,737,712. TANK CONSTRUCTION. ROLLAND JOSEPH GAZELLE, Montreal, Quebec, Canada. Filed Feb. 8, 1928. Serial No. 252,810, and in Canada Mar. 4, 1927. 3 Claims. (Cl. 229-10.)



2. A hot water tank comprising a main tank, an intermediate tank enclosing said main tank and suitably dis-

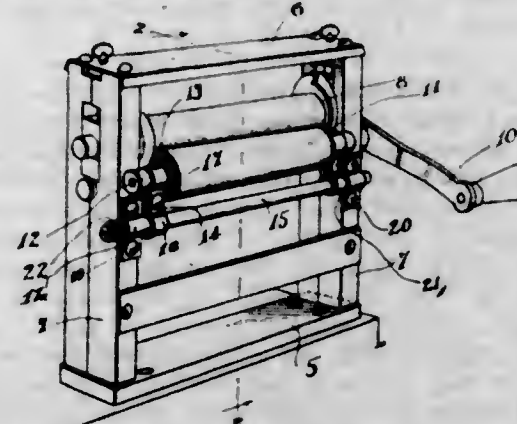
tanced therefrom, means on the inner surface of said intermediate tank to reflect the heat rays radiating from said main tank, an insulating member located between the bottoms of said tanks, and an outer superposed casing enclosing said intermediate tank and suitably distanced therefrom.

1,737,713. CAN OPENER. MARSHALL D. GIBSON, Webster Groves, Mo. Filed Feb. 14, 1927. Serial No. 168,048. 3 Claims. (Cl. 30-3.)



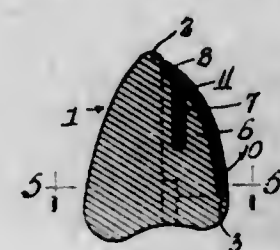
1. In a can opener, a substantially rectangular spacing member whose two forward corners afford relatively sharp fulcrum points, and a pair of cooperating like cutting blade members having substantially rectangular base portions of greater width and length so as to extend marginally beyond the side and forward edges of said spacing member and being secured on opposite sides of said spacing member and having lenticular cutting portions proper extending forward from said spacing member and flaring apart from each other towards their ends.

1,737,714. SAFETY ATTACHMENT FOR WRINGERS. WILLIAM E. GILDEA, Chicago, Ill. Filed Aug. 11, 1928. Serial No. 299,006. 2 Claims. (Cl. 68-32.)



1. A safety device for household wringers comprising a roll set opposite the bite of the wringer rolls, bearings disposing said roll for free rotation, a rock shaft pivoted at a point below the bite of the wringer rolls, supports for the bearings carried radially of the rock shaft, journals for the rock shaft mounted on the wringer frame, and a coiled spring connecting the rock shaft to the wringer frame.

1,737,715. ARTIFICIAL TEETH. HART J. GOSLEE, Chicago, Ill. Filed May 12, 1928. Serial No. 277,142. 2 Claims. (Cl. 32-9.)



1. An artificial tooth comprising a body having a depressed seat portion on its lingual side and a channel in

each side of the body from the incisal end thereof opening into said depressed seat portion, said depressed seat portion being provided with an opening in its gingival end, a metallic body disposed upon said depressed seat portion and having an integral post at one end engaged in said opening and having extensions at its other end engaged in said channels, said extensions providing flat faced abutments for attachment to like abutments of adjacent teeth.

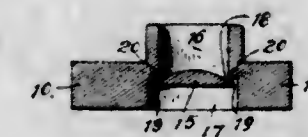
1,737,716. CONCENTRATION OF ORES. ROYAL S. HANDY, Kellogg, Idaho, assignor to Patino Mines & Enterprises Consolidated Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 13, 1928. Serial No. 305,871. 6 Claims. (Cl. 209-167.)

1. The process of concentrating ores containing cassiterite which consists in mixing the ore in a finely divided condition with water to form a pulp, adding to the pulp a defloculator to cause the colloidal matter to separate from the crystalline matter and to be held in suspension in the liquid, then removing the liquid containing such colloidal matter, then adding water to the crystalline matter to form a pulp and agitating the same in the presence of an acid and a frothing agent to cause the sulphide contents of the pulp to float in the resulting froth, removing the froth, and then agitating the residue in the presence of a saponifiable substance and a frothing agent to cause the cassiterite to float in the froth.

1,737,717. PROCESS FOR FLOTATION OF CASSITERITE. ROYAL S. HANDY, Kellogg, Idaho, and RAYMOND R. BEARD, Lallagua, Bolivia, assignors to Patino Mines & Enterprises Consolidated Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 13, 1928. Serial No. 319,181, and in Bolivia Dec. 5, 1927. 5 Claims. (Cl. 209-167.)

1. The process for treating ores containing cassiterite which consists in mixing the ore in a finely divided condition with water so as to form a pulp, subjecting the pulp to agitation in the presence of an alkaline electrolyte, an acid salt, a saponifiable substance and a defloculator, supplying the pulp while being agitated with air to form a froth with the cassiterite floating therein, removing the froth, and separating the cassiterite therefrom.

1,737,718. ELECTRICAL FITTING. LEMUEL M. HAUSMANN, Highland Park, Mich., assignor to Square D Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 13, 1922. Serial No. 552,217. 13 Claims. (Cl. 247-26.)

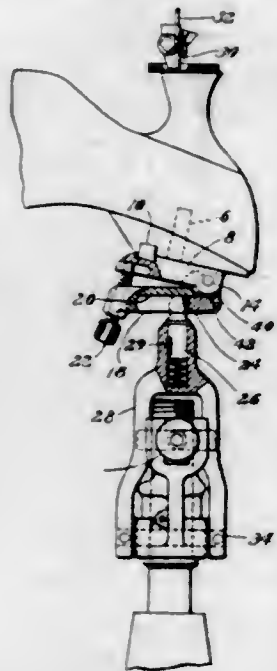


1. A fitting embodying a knockout portion, and a web connecting said portion with the body of the fitting, said web being formed by recesses extending axially of the knockout from opposite faces of the body of the fitting and at least as far as a common plane perpendicular to the axis of the knockout and said web when so formed lying between the outer faces of the fitting.

1,737,719. WORK SUPPORT. VICTOR E. HIPPERSON, Norwich, and JOSEPH GOULDBOURN, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 22, 1922. Serial No. 545,688, and in Great Britain Apr. 27, 1921. 27 Claims. (Cl. 1-41.)

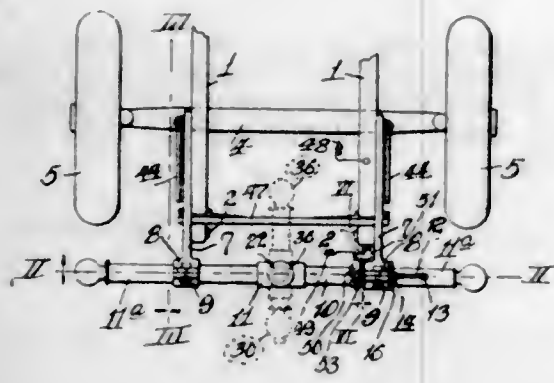
1. In a fastening inserting machine having an abutment against which the tread surface of a heel is held during

the insertion of slugs step by step around the heel, a work support comprising a plate, a last pin carried by the plate, a ball carrying the plate arranged to permit rocking movement of the plate and normally positioned out of alignment with the last pin, and means to prevent rela-



tive rotation of the last and the last pin constructed and arranged to permit the tread surface of the heel of a shoe on a last carried by the work support to be rotated during the insertion of fastenings with its tread surface at all times in a single plane.

1,737,720. COMBINED BUMPER AND JACK FOR AUTOMOBILES. ALBERT C. HOECKER, St. Louis, Mo. Filed Aug. 15, 1927. Serial No. 212,863. 24 Claims. (Cl. 293—55.)

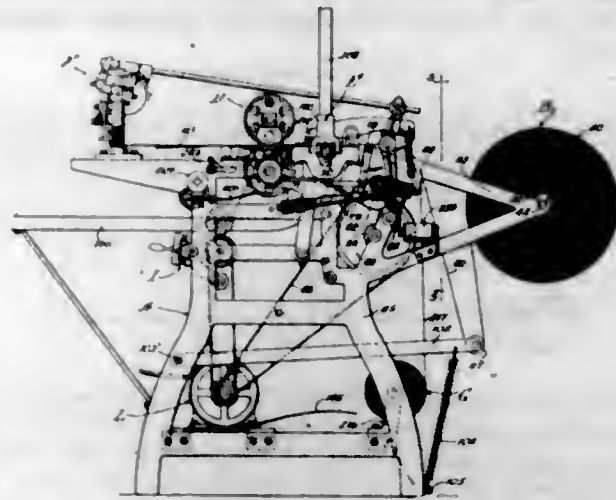


1. A bumper for an automobile having a transversely disposed horizontal rail, a member carried by said rail extending at an angle thereto, and an operating element carried by said member adapted to be projected therefrom for elevating a part of the automobile.

1,737,721. PRINTING MACHINE. JOHN E. JOHNSON, Chicago, Ill., assignor to Speedumat Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 8, 1923. Serial No. 617,739. Renewed July 20, 1928. 24 Claims. (Cl. 101—57.)

1. In an addressing machine, a feed roll shaft, a wrapper feed roll mounted on said shaft, a proof strip feed roll rotatably mounted upon said shaft, and mechanism

comprising a ratchet and pawl rotatably mounted on said shaft for turning said proof strip feed roll independently of said wrapper feed roll.

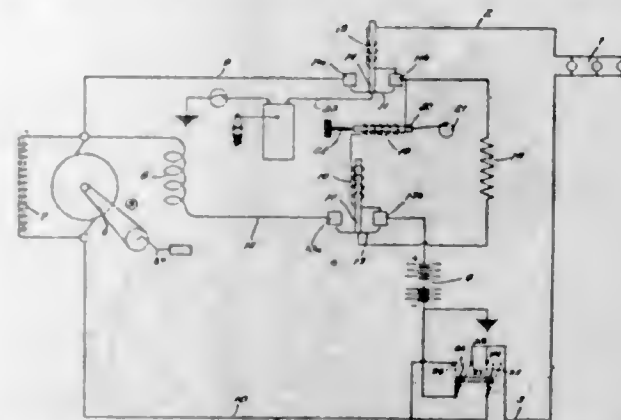


6. In an addressing machine, an address plate guideway, a support bar at said guideway and having an opening therethrough, a bell crank, a needle member supported on said bell crank and extending through said opening, and switching means operatively associated with said bell crank for actuating an electro-magnetically operable impression arm.

17. In an addressing machine, a rack for receiving address plates as discharged from the machine, a depressing arm for forcing groups of the plates downwardly at intervals into said rack, and means for preventing upward expansion of the group of plates in said rack between the intervals of actuation of said depressing arm.

23. In an addressing machine the combination comprising a horizontal address plate track for guiding a series of address plates to and from impression position, said plates having end notches therein and formed so as to nest in each other when in a stack, means for periodically advancing said series of plates, and a discharge guideway at the discharge end of said track arranged vertically to receive the plates as they drop from said track, said guideway having a pair of guiding flanges therein to register with the notches in said plates as the latter enter said guideway and serving to guide and support said plates in said guideway, means for forcing a group of plates downwardly into said guideway as plates are successively added to said group, said nesting structures of said plates cooperating to hold said group of plates in alignment so that the notches will not cooperate to bind against said flanges, and means preventing the upward expansion of the group of plates in said guideway between the intervals of operations of said forcing means.

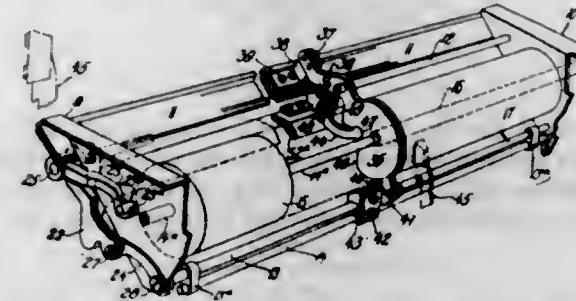
1,737,722. ELECTRICAL SYSTEM. LEE B. JONES, EARL W. JONES, and ROBERT G. BATTIN, Evansville, Ind., assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind., a Corporation of Indiana. Filed July 13, 1921. Serial No. 484,274. 9 Claims. (Cl. 290—30.)



9. In a system of electrical distribution, a generating unit comprising a prime mover and a dynamo electric ma-

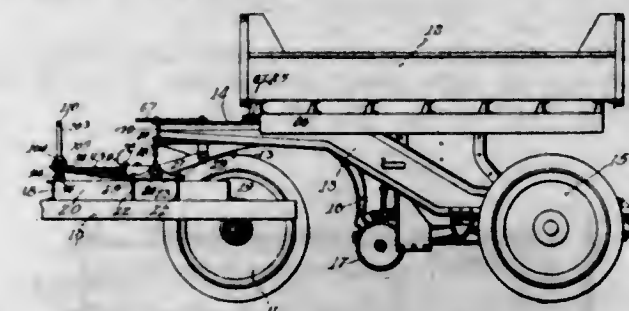
chine, a battery aggregate, speed controlling means for said prime mover comprising a throttle, means for regulating said throttle during the normal operation of said generating unit, and means for rendering said throttle regulating means inoperative during the starting period of said prime mover.

1,737,723. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., and CARL E. NORIN, Jersey City, N. J., assignors to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 2, 1928. Serial No. 296,960. 7 Claims. (Cl. 197—129.)



1. In a typewriting machine, the combination with a carriage-frame, a revoluble platen, and a shift-frame supporting the platen in its up and down case-shift movement upon said carriage-frame, said platen formed with independently operable platen-sections rotatable about a common platen-shaft, of bracing means for supporting said shaft upon the carriage-frame at the dividing line of said platen-sections in either case-shift position.

1,737,724. FIFTH-WHEEL STRUCTURE. ALBERT P. LEE, Plymouth, Ind., assignor to Lee Trailer & Body Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 10, 1924. Serial No. 755,032. Renewed Apr. 11, 1929. 40 Claims. (Cl. 280—33.1.)



1. In a fifth wheel structure, a swivel connection comprising a member having an undercut portion, a member having projecting means engageable with the undercut portion of said first member and means on one of said members automatically engaging with the other of said members when said projecting means engages with said undercut portion for holding said members in position to swivel with said projecting means engaged with said undercut portion, said holding means being provided with means for moving the same out of holding position to disengage said members.

1,737,725. PHOTOGRAPH CASE. BENJAMIN MILLER, Baltimore, Md. Filed Oct. 7, 1927. Serial No. 224,560. 1 Claim. (Cl. 40—10.)



A photograph case comprising a base plate, a rim removably secured to said base plate and having an in-

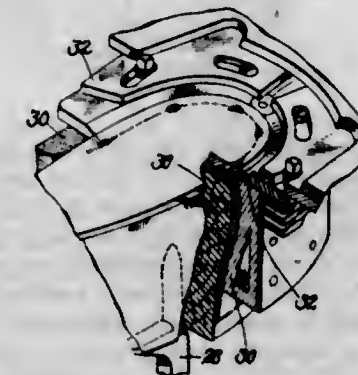
wardly extending flange projecting beyond the said base plate, a bowed plate pivoted at center to said base plate and having its upper surface at its outer ends in frictional contact with the base plate, threaded lugs projecting from the rear of said bowed plate, a cross bar adapted to fit over said threaded lugs, and means for holding said bar in position on said lugs.

1,737,726. ENGINE TIMING GAUGE. CLEMENS MUZYK, Gary, Ind. Filed Mar. 21, 1927. Serial No. 176,935. 6 Claims. (Cl. 33—180.)



2. A device of the kind described comprising a supporting member having an opening therethrough, a gauge member longitudinally movable through the opening in said supporting member and provided with a plurality of sets of calibrations thereon, graduated to indicate spaced angular positions on crank pin circles of different diameters, all of said sets of calibrations beginning at a common line, said supporting member having a part with which any set of calibrations may be associated in the movement of the gauge member through the supporting member.

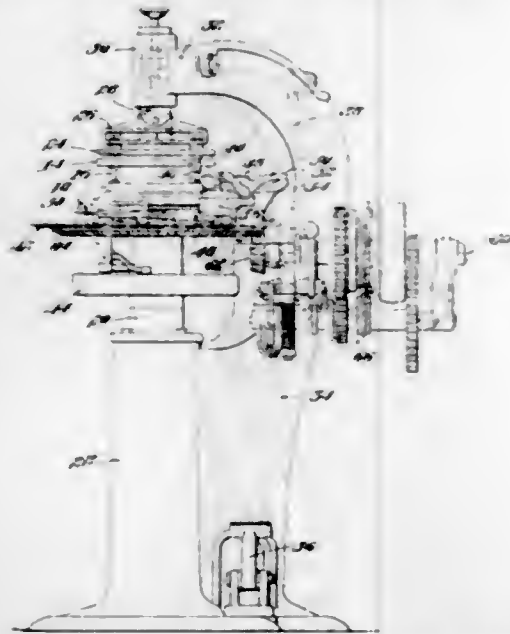
1,737,727. METHOD FOR USE IN THE MANUFACTURE OF TURNED SHOES. HERMAN NEWMANN, Brooklyn, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 29, 1927. Serial No. 209,298. 13 Claims. (Cl. 12—142.)



1. That improvement in methods of making turn shoes having sewed seats which consists in providing a sole having a shoulder and feather about the heel end thereof, shaping the upper wrong side out to conform snugly to the shape of the rear end of a last, forcing the margin of the upper over the feather of the sole to define a line adjacent to the shoulder along which the seam attaching the upper to the sole is to extend, sewing the upper to the sole about the heel-seat portion along said line, removing

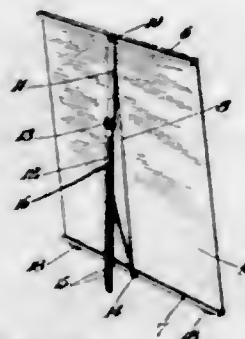
the last, turning the shoe, relasting the shoe, again shaping the upper snugly to the rear portion of the last by pressure applied to all parts of the counter portion of the upper simultaneously, raising the feather of the sole about the heel-seat to open the crease between the upper and the sole, and flattening the peripheral portion of the upper that extends over the heel-seat portion of the shoe.

1,737,728. MACHINE FOR OPERATING UPON IN-SOLES. FREDERICK H. PERRY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 9, 1921. Serial No. 443,572. 24 Claims. (Cl. 12-25.)



1. A machine for operating upon marginally ribbed soles having, in combination, a rounding knife for trimming the margin of a sole, means for guiding the rounding knife during the trimming operation, and means for supporting the sole and cooperating with the rib thereon to hold the sole in predetermined relation to the supporting means for the trimming operation.

1,737,729. STAND. ISIDOR FRED PETIGOR, New York, N. Y. Filed Sept. 12, 1928. Serial No. 305,456. 1 Claim. (Cl. 40-125.)

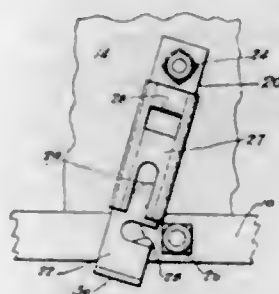


A stand support comprising pivoted members, one member adapted to be pivoted at one end to one end of the stand and the other member adapted to be connected at the other end to the other end of the stand and flexed in assembled position so as to resiliently press oppositely on said ends of said stand, one of said members being slit lengthwise to form a rearwardly extending prop where said member are in assembled fixed position, and said support being collapsible so as to fold into parallel lengths in disassembled position.

1,737,730. FASTENING DEVICE. FRANK PAUL REID-HAAR, Evansville, Ind., assignor to Hercules Products, Inc., Evansville, Ind., a Corporation of Delaware. Filed July 6, 1928. Serial No. 290,793. 2 Claims. (Cl. 292-106.)

1. A fastening device comprising a pivoted plate, a slidable plate mounted thereon, a bolt at right angles to both

of said plates having an enlarged outer end, a transverse slot in said pivoted plate extending in from the side thereof having a semi-circular inner end, said slot embracing said bolt, a vertical slot in said slidable plate extending from one

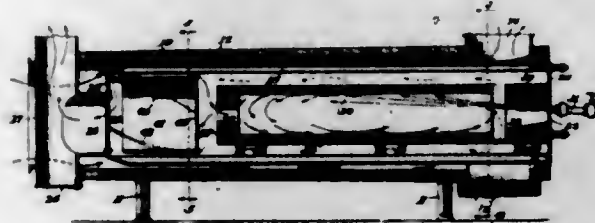


end thereof having a semi-circular inner end and overlapping a portion of the transverse slot and embracing said bolt between the pivoted plate and the enlarged outer end and the semi-circular ends of said slots coinciding in part.

1,737,731. METHOD OF DEODORIZING ANIMAL AND VEGETABLE OILS. MOSES ROGOVIN, New York, N. Y., assignor, by direct and mesne assignments, to Rogstone Chemical Research Inc., New York, N. Y., a Corporation of New York. Filed Feb. 14, 1925. Serial No. 9,353. 2 Claims. (Cl. 87-12.)

1. The herein described method of deodorizing malodorous animal and vegetable oils and fats comprising the addition of substantially twenty gallons of water to one hundred gallons of oil, slowly heating the mixture to the boiling point of water, the mixture being stirred during the process of heating, the heating being continued until the water is evaporated and the temperature is then increased to from 115° to 120° C. until the last trace of water is driven off.

1,737,732. HEATER. HERBERT J. SAUVAGE, Chicago, Ill. Filed Jan. 13, 1928. Serial No. 246,592. Renewed May 1, 1929. 11 Claims. (Cl. 126-116.)



1. In a heater, the combination of an outer housing, a metal shell inside of said housing affording an air passage between them, a combustion-chamber member inside of and spaced away from said shell and having an opening at one end, means to project combustion gases into said chamber, through said opening, said chamber being constructed to cause the greater portion of such gases to leave said chamber through the same opening through which they enter it, and means to cause such discharged gases to flow through the space between said chamber and shell, whereby the air traversing said air passage is heated by said shell, the latter being heated by the radiant heat of said chamber-member and by the hot gases flowing in contact with the shell.

1,737,733. DISPLAY DEVICE. JOHN J. SCHEROTTO, Union City, N. J., assignor to Snyder & Black, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 17, 1927. Serial No. 220,089. 2 Claims. (Cl. 40-126.)

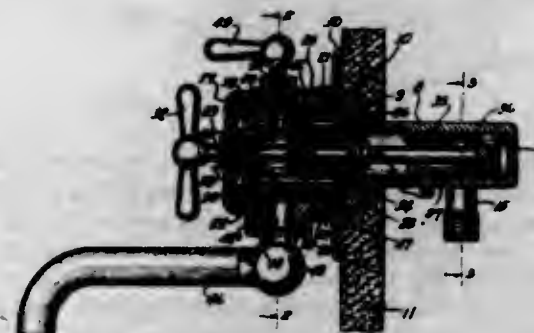
1. A display device of sheet material comprising a plurality of members articulated to one another respectively

Along parallel lines, the device being foldable accordion wise along said lines and a pair of adjoining members having thereon a representation of a panel, that portion of said representation formed on one of said pair of mem-



bers being cut away from said member, the uppermost member being adapted for carrying on its front face advertising matter, said member being adapted to lie flat against an upright wall on which it is suspended.

1,737,734. COMBINATION VALVE AND SWING SPOUT. LOUIS SCHLESINGER and HERMAN E. HEINE, Milwaukee, Wis., assignors to Bradley Washfountain Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 25, 1927. Serial No. 235,593. 3 Claims. (Cl. 277-31.)

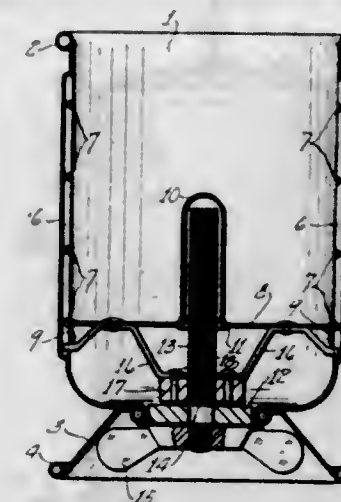


1. A plumbing fixture, comprising a casing having hot and cold water inlets and an outlet chamber, a spout swingably mounted in said casing and communicating with said outlet chamber, a single shut off valve within the casing intermediate the inlets and the outlet chamber, a mixing valve inwardly of said shut off valve and remote and distinct therefrom, and an independent volume regulating valve outwardly of said shut off valve and controlling the flow to said outlet chamber.

1,737,735. CULINARY MEASURING RECEPTACLE. ALBERT F. L. SCHMIDT, Webster Groves, Mo. Filed May 27, 1926. Serial No. 112,043. 1 Claim. (Cl. 73-165.)

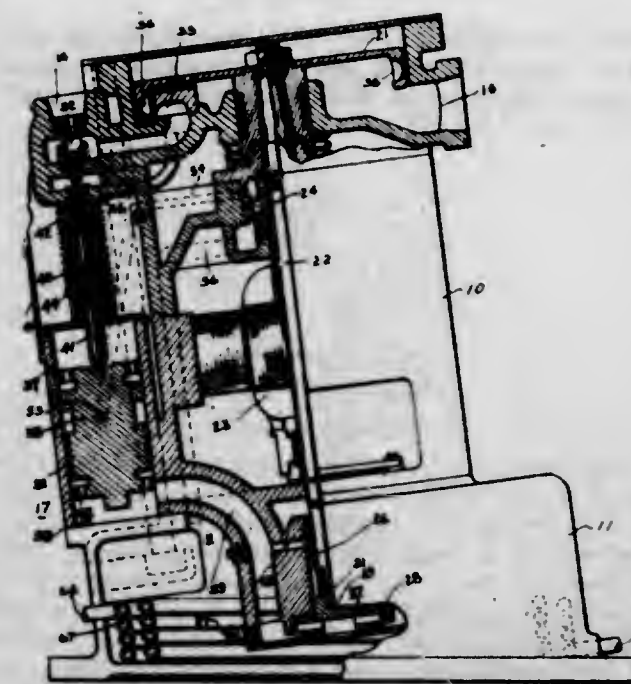
A culinary measuring receptacle of the class described, comprising an outer shell, open at one end and permanently closed at the other end, a movable disc horizontally disposed within said shell, means for axially moving said movable disc, axially and oppositely dis-

posed channels in said outer shell, a plurality of lateral channels extending outwardly and circumferentially from said axial channels, enclosed means for supporting



said movable disc, means for preventing rotary movement of said disc, legends embossed upon the said outer shell opposite each of said lateral channels indicative of the quantity capacity of said measuring receptacle.

1,737,736. ELASTIC-FLUID TURBINE. HENRY F. SCHMIDT, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 27, 1924. Serial No. 758,422. 8 Claims. (Cl. 264-14.)

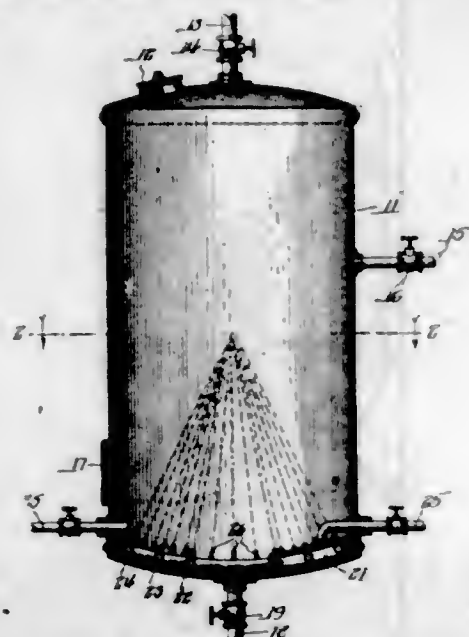


1. In a turbine, the combination of a fluid-pressure operated governor, means for developing a fluid pressure varying with the speed of the turbine, a bearing lubricated by the fluid employed in the governor, and means included in the governor for reducing the pressure of the fluid supplied to the bearing.

1,737,737. METHOD OF REMOVING CLOUD-FORMING MATERIALS FROM HYDROCARBON OIL. CHARLES L. SUHR and WINFIELD S. ZEHRLING, Oil City, Pa., assignors to The Pennzoli Company, Oil City, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1927. Serial No. 218,358. 1 Claim. (Cl. 196-19.)

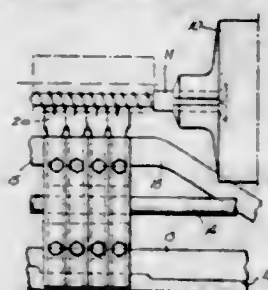
The method of removing the cloud-forming materials from the heavy distillates of residuum oils consisting in adding crystalline wax thereto within a substantial range of from 8 to 10 per cent, chilling the mixture and separating the wax therefrom by filtering.

1,737,738. RENDERING APPLIANCE. ALBERT C. SPOONER, Chicago, Ill. Filed Nov. 21, 1927. Serial No. 234,654. 4 Claims. (Cl. 87-13.)



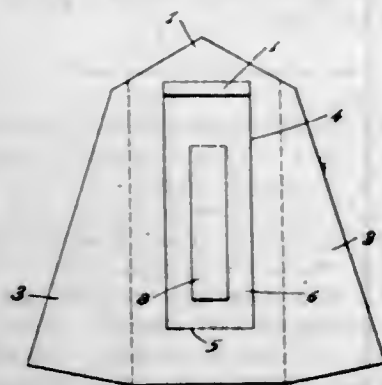
1. In a rendering appliance, the combination of a tank, a hollow member in the lower portion of said tank, delivery nozzles for said member having inwardly upwardly directed discharge openings aimed at substantially the same point, and means to admit steam under pressure into said member for discharge from said member through said nozzle openings in the form of jets converging to said point.

1,737,739. MACHINE FOR CUTTING THREADS UPON SCREW BLANKS. PER LEONARD STENMAN, Stockholm, Sweden. Filed Oct. 11, 1923, Serial No. 667,818, and in Sweden Oct. 18, 1922. 2 Claims. (Cl. 10-101.)



1. In a machine for cutting threads upon a screw blank, a plurality of cutting tools disposed parallel to each other and means for simultaneously moving said tools successively in a longitudinal and independently transverse direction from the point towards the head of the blank, said means comprising a guide member and a guide rail for supporting the forward and rearward portions of the tools respectively, and a guide shaft pivotally supporting the midportions thereof.

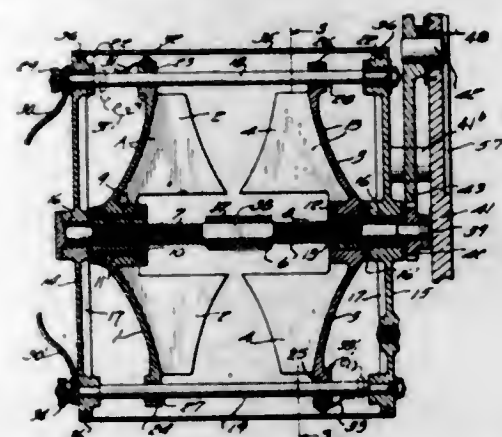
1,737,740. DISPLAY STAND. ALFRED M. STOCKMAN, Irvington, N. J. Filed Feb. 15, 1928. Serial No. 254,381. 5 Claims. (Cl. 211-157.)



5. A display stand comprising a body portion, a prop bent at substantially right angles to said body portion

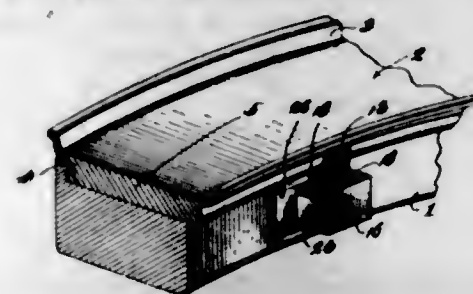
cut from said body portion so as to provide an opening therein for reception of an article to be displayed, and a tongue cut from said prop adapted to be bent out of the plane thereof and rest behind and engage the article being displayed for retaining said article in said opening.

1,737,741. ELECTRIC CONDENSER. ADOLPH A. THOMAS, New York, N. Y. Filed Aug. 24, 1925. Serial No. 51,915. 28 Claims. (Cl. 175-41.5.)



1. A condenser comprising two parts, each part consisting of an annular base member provided with a set of radial plates cast integral with said member, and means for mounting said annular members coaxially so that the two sets of plates may be interleaved by axial movement.

1,737,742. WHEEL RIM. WYCKLIFFE C. TUNNO, Savannah, Ga. Filed Dec. 12, 1927. Serial No. 289,535. 6 Claims. (Cl. 70-90.)



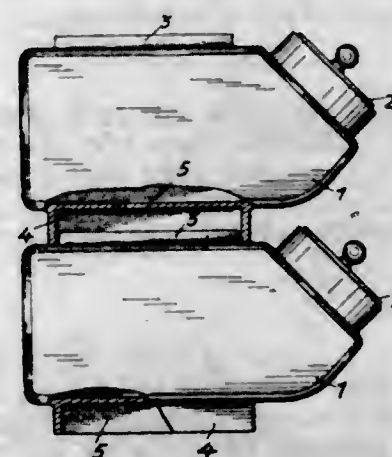
1. A wheel rim lock of the character described, including a rim and wheel felly therefor comprising a lug carried by the rim and extensible into a pocket in the felly when the rim is positioned thereon, a substantially U-shaped coupling key designed to straddle said lug to position the ends of the legs thereon in said pocket, and means for locking a leg of said coupling key with the wheel felly.

1,737,743. LOOM FOR WEAVING KNOTTED PILE FABRICS. FRANK WALTERS, Kidderminster, England, assignor to Thomas Bond Worth & Sons Limited, Stourport, England. Filed Apr. 4, 1929, Serial No. 352,455, and in Great Britain Feb. 9, 1928. 3 Claims. (Cl. 139-6.)



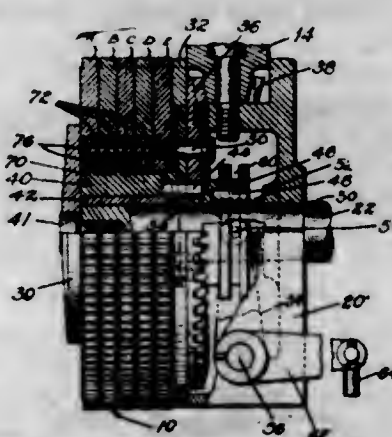
1. In a loom of the Axminster type for producing a pile having an oriental or Turkey knot produced by looping the yarn tuft ends around the warp threads, comprising in part a series of yarn deflecting blades arranged across the loom, each of the blades having a laterally inclined tip operating to deflect the vertically stretched yarn across two warp threads, previously to the yarn being cut and knotted upon the said warp threads.

1,737,744. DISPLAY CONTAINER. GOTTFRIED WICKLEIN, Nuremberg, Germany. Filed Feb. 3, 1928, Serial No. 251,575, and in Germany Sept. 21, 1927. 1 Claim. (Cl. 215-1.)



A container for the reception and the display of sweets, drops, confectionery and the like, said container comprising in combination a plurality of pocket-shaped individual containers, an opening at the front of each of said containers, a cover for each of said openings, a projecting ledge passing around the bottom surface of each individual container, said projecting ledge adapted to form simultaneously a supporting foot for the upper containers, and a pair of projecting ledges arranged longitudinally on the top surface of each individual container, said latter projecting ledges adapted to engage with said aforementioned projecting ledge and to form the upper support for each of said individual containers.

1,737,745. MACHINE FOR OPERATING UPON SOLES. AUGUSTUS D. WILLHAUCK, Cambridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 9, 1928. Serial No. 298,001. 15 Claims. (Cl. 12-27.)

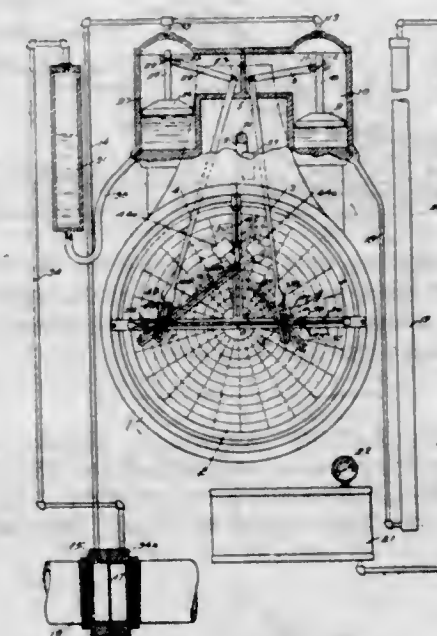


1. In a machine for operating upon soles, in combination, a feed wheel comprising a plurality of feeding sections, one of which is arranged for engagement with the outer marginal portion of a sole and is driven throughout the operation of the machine, and another of which is capable of turning movement in either direction relatively to said driven section and is arranged to engage the sole margin farther from the edge of the sole than said driven section.

1,737,746. METHOD OF AND INSTRUMENT FOR COMPUTING VARIABLES. ARCHER EVERETT YOUNG, Pittsburgh, Pa. Filed July 10, 1923. Serial No. 291,570. 28 Claims. (Cl. 234-34.)

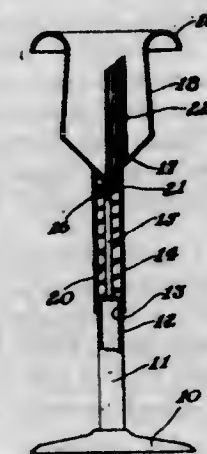
1. In a computing instrument, the combination of a linkage connecting four points Q, P, H, O, in which the

distance OQ is equal to the square root of the product of the distances OH and OP; means guiding the linkage and maintaining said distance relation between these points as the linkage shifts with the shifting in position of any of



the points; and devices responding to condition differences of a medium and controlling the shifting of the linkage to vary the distance OP to correspond to a change in condition to which the devices respond.

1,737,747. TOOTHPICK DISPENSER. FAUST ZANARDELLI and CESARE ANTONELLI, Monongahela, Pa. Filed July 10, 1928. Serial No. 291,529. 1 Claim. (Cl. 312-77.)

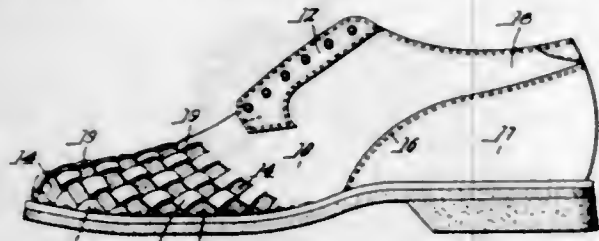


In a device of the class described, a circular stationary base, a hollow staff thereon, a tubular tooth pick carrier mounted movably on said staff, a push rod mounted stationary on said staff, said push rod projecting axially into said carrier, a conical depression at the upper end of said push rod, a sleeve projecting from said carrier slidable on said staff, a pin at the lower end of said sleeve, a slot extending longitudinally on said staff receiving said pin, said pin limiting the upward movement of said sleeve, and a coil spring in said sleeve seating upon said staff being wound about said push rod and supporting said carrier for yieldably lifting said carrier to its raised position.

1,737,748. SHOE. REGINALD ANDERSON, North Grafton, Mass., assignor to The Forbush Shoe Company, North Grafton, Mass., a Corporation of Massachusetts. Filed May 31, 1929. Serial No. 367,405. 1 Claim. (Cl. 36-3.)

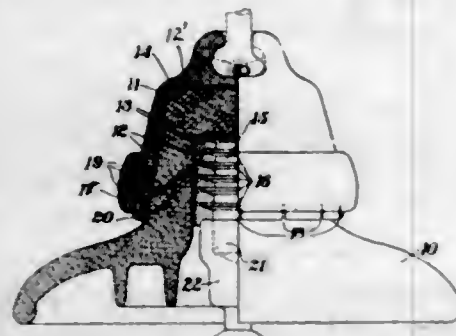
As an article of manufacture, a shoe having an upper provided with slits radiating from an arcuate line in front

of the tongue to the end and sides of the upper, so as to divide the upper into a series of strips integral with the upper at both ends and slightly wider at the outer ends than at said arc and cross pieces woven in and out among



said strips from one side of the upper to the other, each one in curved form, whereby the top of the upper is given a checker-board appearance and a certain amount of ventilation is provided through said slits.

1,737,749. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Feb. 12, 1925. Serial No. 8,822. 23 Claims. (Cl. 172-318.)

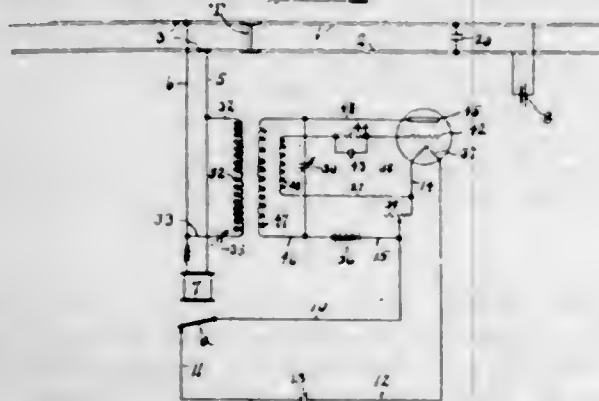


1. In an insulator a dielectric member and a fitting therefor having a holding portion of metal of approximately the same coefficient of expansion for temperature changes as that of said dielectric member.

3. In an insulator a dielectric member and a fitting therefor attached to said dielectric member, said fitting having a reinforcement connected therewith for withstanding stress transmitted from said dielectric member to said fitting, said reinforcement being formed of metal less responsive to temperature changes than the other portions of said fitting.

12. In an insulator a dielectric member, a cap for said member and a reinforcing band for said cap having a lower coefficient of expansion for temperature changes than the material of said cap, said band being forced into position against the outer surface of said cap.

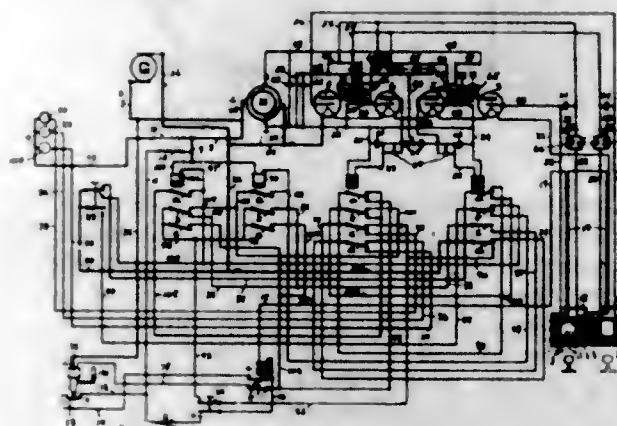
1,737,750. OSCILLATING CIRCUIT FOR TRAIN-CONTROL SYSTEMS. THOMAS E. CLARK and JAMES E. CLARK, Detroit, Mich., assignors to Continuous Train Control Corporation, Detroit, Mich., a Corporation of Michigan. Filed Oct. 23, 1925. Serial No. 64,353. 5 Claims. (Cl. 246-63.)



1. Means for controlling the operation of railway trains comprising a track divided into control sections, a con-

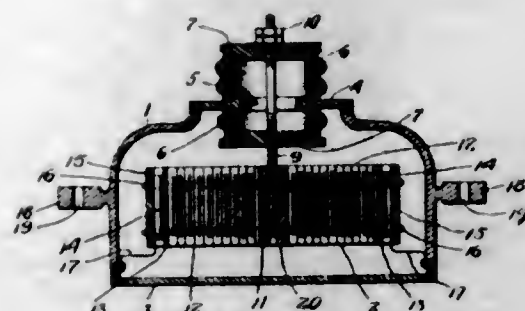
denser connecting the rails at one end of each section, and means connected to the rails at the opposite end of such section adapted to propagate high-frequency electro-magnetic waves therein, said means embodying a loading coil connected directly to the rails and having a greater inductance than the rails of said section.

1,737,751. LOCOMOTIVE CONTROL INSTALLATION. THOMAS E. CLARK and JAMES E. CLARK, Detroit, Mich., assignors to Continuous Train Control Corporation, Detroit, Mich., a Corporation of Michigan. Filed May 2, 1927. Serial No. 188,115. 10 Claims. (Cl. 246-63.)



1. In combination with a current source, a pair of electro-magnetic elements, an electron tube for each electro-magnetic element and embodying a plate electrically connected to such element, a filament for each tube connected to said current source and a grid between the plate and filament, a receptor electron tube for each of the first named tubes, means to establish negative bias of potential on the grids of the several tubes, receptor coils adapted to receive oscillating currents, electric circuits connecting said coils to the grids of the receptor tubes, and a circuit between the current source and the filaments of all of said tubes including loops extending around both of said receptor coils.

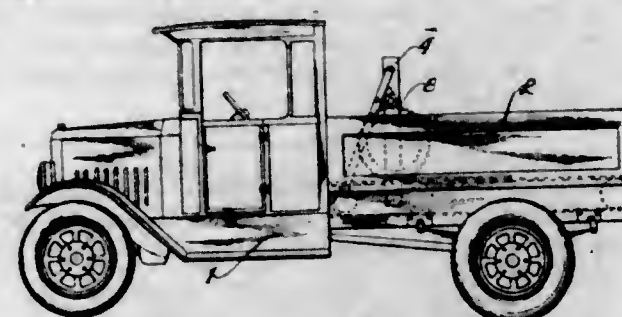
1,737,752. CONDENSER. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 3, 1924. Serial No. 735,566. 21 Claims. (Cl. 175-41.)



2. The combination of a housing, a condenser in the housing, the housing having an opening, a rod passing through the opening and supporting the condenser thereon, hollow insulators surrounding the opening inside and outside the housing, and mounting said rod, and clamping means in the casing surrounding said condenser.

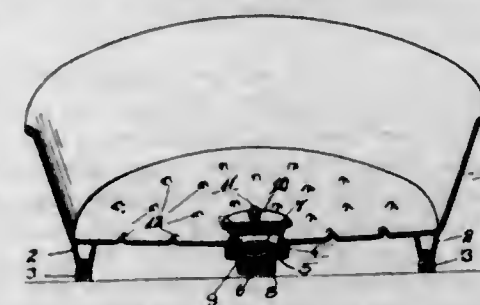
4. The combination of a housing, a condenser within the housing, closure means for the housing, means independent of said housing and closure for clamping the condenser, and a member extending through the housing and serving as a means for supporting the condenser.

1,737,753. HOISTING APPARATUS. CARL O. FARNHAM, Paris, Ill.; First National Bank & Trust Company, Paris, Ill., administrator of said Carl O. Farnham, deceased. Filed Aug. 20, 1927. Serial No. 214,277. 9 Claims. (Cl. 212-8.)



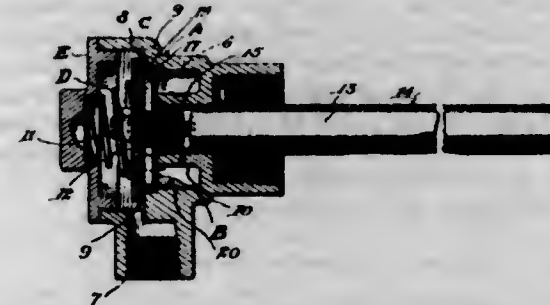
1. In combination, a platform having a slot therein, channel irons lining said slot to form substantially a track, a hoist including a beam, a winch mounted on said beam, and rollers mounted on said beam and adapted to ride said channel irons, said beam being pivotal into said slot so that the top of said beam will be substantially flush with said platform.

1,737,754. DISHPAN. WILLIAM B. FRANKENSTEIN, Rochester, N. Y. Filed Mar. 28, 1928. Serial No. 265,385. 1 Claim. (Cl. 141-9.)



A dish pan having a bottom with an opening therein, a sleeve forming a downward extension of said opening, a supporting ledge in said sleeve below the bottom of the pan, a supporting flange adapted to be supported in said sleeve by said supporting ledge, a cylindrical strainer depending from said supporting flange and held suspended below the bottom of said dish pan, a handle mounted to swing on a horizontal axis on said supporting flange and adapted to either extend horizontally over said strainer and below the bottom of the pan whereby a stopper may be telescoped into said opening and sleeve, or to extend upwardly to project above the opening in the bottom of said dish pan for convenience in removal of the strainer.

1,737,755. THERMOSTATIC VALVE. PAUL H. HAMILTON, Cleveland, Ohio, assignor to The Sands Manufacturing Company, Cleveland, Ohio, a Corporation. Filed Jan. 2, 1929. Serial No. 329,717. 6 Claims. (Cl. 137-111.)



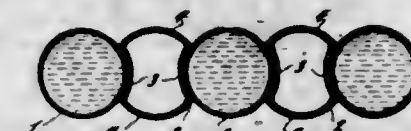
4. A valve casing having an inlet and an outlet and a collecting chamber into which the inlet opens, a valve disk and valve seat between said chamber and the outlet, said chamber including a vertical baffle plate which forms one wall of the chamber, the plate having an opening through the upper part thereof.

1,737,756. METALLIC BAFFLE. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed June 19, 1925. Serial No. 38,197. Renewed Oct. 11, 1929. 8 Claims. (Cl. 110-98.)



1. A baffle element for a water tube boiler comprising a metal member having the greater part of each side edge extending on one side of its main body portion and curved to extend tightly around a water tube, and the remainder of said side edge extending on the opposite side of its main body portion and arranged to engage the water tube to hold said greater portion in contact with the tube.

1,737,757. METALLIC BAFFLE. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed June 19, 1925. Serial No. 38,198. 5 Claims. (Cl. 110-98.)



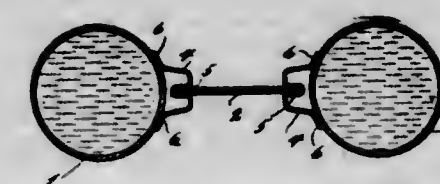
1. A baffle element for water tube boilers comprising a hollow metallic section having adjacent concave and yielding convex portions.

1,737,758. METALLIC BAFFLE. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed June 19, 1925. Serial No. 38,199. 11 Claims. (Cl. 110-98.)



1. A baffle element for water tube boilers comprising a metal plate having a flange at each of its opposite edges, said flanges being curved transversely to fit the opposing walls of the adjacent water tubes, the body of said baffle element being wider than the distance between the tubes.

1,737,759. METALLIC BAFFLE. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed June 19, 1925. Serial No. 38,200. 5 Claims. (Cl. 110-98.)

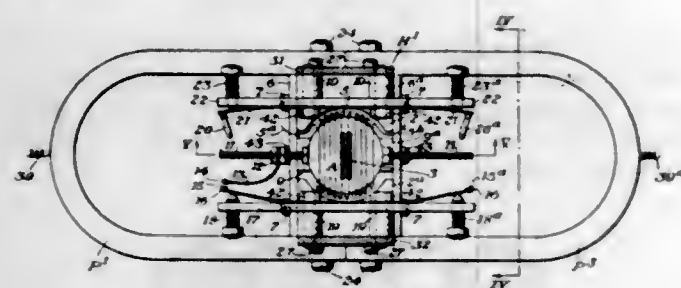


1. In combination, a pair of boiler tubes having their axes substantially in the same plane, a baffle element disposed between said tubes and comprising a plate having its sides substantially parallel to said plane and with edges extending substantially parallel to said tubes and longitudinally thereof, and a holder disposed between each longitudinal edge of the plate and the adjacent tube, and adapted to hold said plate in position between said tubes.

1,737,760. REDUCTION OF THE SWELLING CAPACITY OF HYDRATED CELLULOSE AND THE RESULTING PRODUCT. CLAUS HEUCK, Ludwigshafen-on-the-Rhine, and PAUL ESSELMANN, Premnitz, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Dec. 20, 1928, Serial No. 327,460, and in Germany July 25, 1927. 10 Claims. (Cl. 8—20.)

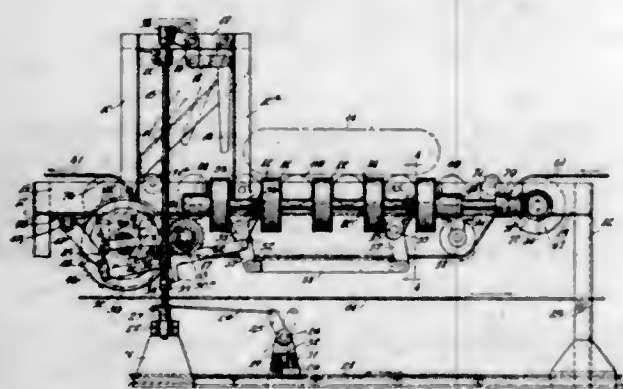
1. The process of reducing the swelling capacity of hydrated cellulose which comprises acting upon hydrated cellulose with an aqueous solution of a methylol compound of a carbamide.

1,737,761. ELECTRORESPONSIVE DEVICE. HAROLD O. HOLTE, Wilkesburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 22, 1924. Serial No. 727,496. 19 Claims. (Cl. 200—91.)



1. An electro-responsive device comprising a member mounted for rotational vibration around an axis through its center of mass and provided with a winding which is supplied at times with alternating current of a given frequency, said member being tuned for rotational vibration at the frequency of said alternating current, and means for passing magnetic flux through said winding.

1,737,762. CONVEYER. ARTHUR J. HOWE, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 2, 1928. Serial No. 289,746. 13 Claims. (Cl. 198—20.)



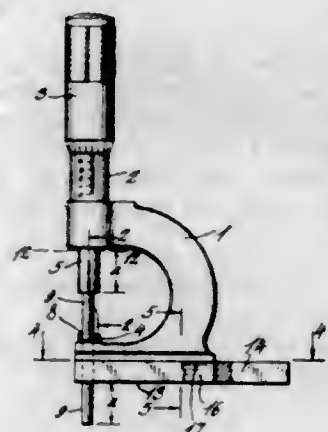
1. Conveyer apparatus comprising a main conveyer having a take-off station, mechanical means actuated by the article being conveyed for removing the article transversely of the main conveyer at the said take-off station and separate means on a pilot conveyer for setting the said mechanical means so that it will be actuated by the article as the latter contacts therewith in its passage along the main conveyer.

1,737,763. PROCESS OF REFINING WOOD ROSIN. IRVIN W. HUMPHREY, Dover, N. J., and LEAVITT N. BENT, Holly Oak, Del., assignors to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed May 15, 1923. Serial No. 639,205. 5 Claims. (Cl. 202—57.)

1. The process of producing rosin adapted to the manufacture of products of good color as herein specified, which

comprises treating with a dilute alkali solution the drop liquor obtained in the extraction of rosin from wood by means of a low boiling petroleum distillate, separating from the drop liquor the alkali together with the color bodies carried down thereby, distilling the drop liquor to separate out most of the low boiling petroleum distillate from the rosin, distilling the rosin under a vacuum, and then condensing the rosin at a temperature within about the range 300° F.—400° F.

1,737,764. COMBINED MICROMETER CALIPER AND DEPTH GAUGE. JOSEPH H. JACORS, Rochester, N. Y. Filed Nov. 5, 1928. Serial No. 317,306. 1 Claim. (Cl. 33—107.)



A combined micrometer caliper and depth gauge comprising a frame of substantially C-shape, an anvil carried by one end of the frame, a longitudinally movable stem secured to the other end of the frame, micrometer screw means for moving the stem towards and away from the anvil, said anvil having an opening in axial alignment with the stem, but of smaller diameter than the stem, a removable extension secured to the stem, said extension extending through the opening in the anvil, the frame having a supporting surface that lies in a plane perpendicular to the axis of the stem and a removable base extension secured to the frame, said extension comprising a metal bar having an elongated opening adapted to engage a cooperating tongue on the frame.

1,737,765. CURLING-IRON ATTACHMENT. JOSEPH H. JACORS, Rochester, N. Y. Filed Apr. 1, 1929. Serial No. 351,539. 2 Claims. (Cl. 132—37.)

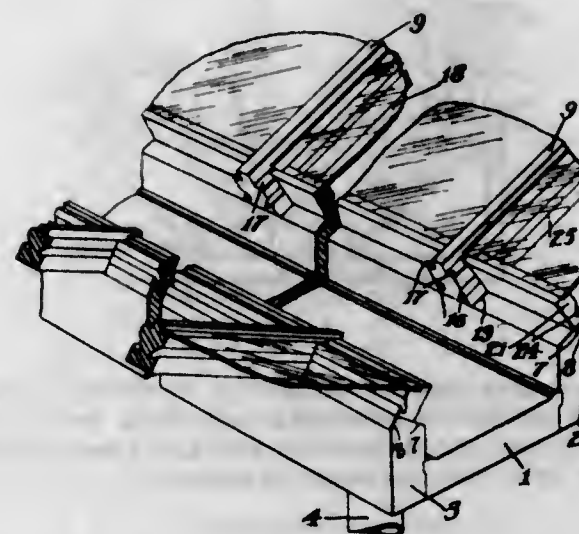


1. A hair curler having an elongated heating element of good heat conducting material provided at one end with a handle and having a depression in its other end, a protector comprising an elongated member of poor heat conducting material extending along one side of said element, said protector having an offset portion near one end, said offset having a conical portion adapted to extend into the depression and a spring attached to the other end of the protector for exerting a pull thereon tending to hold the conical projection in the depression.

1,737,766. GREENHOUSE CONSTRUCTION. JOHN N. KEELER, Cleveland, Ohio, assignor to The Continental Greenhouse Mfg. Company, Cuyahoga County, Ohio. Filed Feb. 6, 1929. Serial No. 337,836. 5 Claims. (Cl. 108—25.)

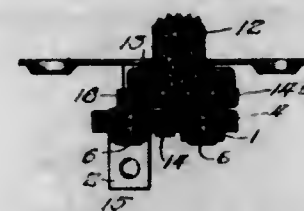
3. In greenhouse construction including in combination a gutter side, a roof bar having a drip groove therein, said

bar being mounted upon and extending across the top of the gutter, a lower run of glass having one side supported in the roof bar, and a member extending longitudinally of the top of the gutter, said member having a drip groove



therein for conveying water to the drip groove in the roof bar, said member being interposed between the gutter and the glass functioning as a glass stop and as a spacing member between the roof bars.

1,737,767. ELECTRIC SWITCH. HOWARD H. OSTJEN, Chicago, Ill., assignor to Chicago Electric Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 8, 1929. Serial No. 331,116. 15 Claims. (Cl. 200—163.)



1. An electric switch, a stationary structure including a wall and a terminal spaced from the wall, a movable switching member interposed between the said wall and terminal; and means associated with the stationary structure for guiding the movable switching member to permit limited reciprocating movement of the latter; the movable switching member comprising an insulator, a contact fitted upon one face of the insulator and movable into and out of engagement with the terminal, and a spring member fitted upon the opposite face of the insulator and continuously pressing the insulator away from the said wall, the contact member and the spring member being slidably attached to the insulator from opposite sides of the insulator.

1,737,768. POWER MECHANISM. FRED W. OTT, New Haven, Conn. Filed May 18, 1928. Serial No. 278,772. 4 Claims. (Cl. 74—14.)

1. In mechanism of the character described; a body member; a plunger; a guide block connected with the plunger; a plurality of cam members, some of the cam members being upon one side of the guide block and other of the cam members being upon the opposite side thereof; a plurality of rolls between the cam faces of the cam members; and means for moving the cam members toward and

389 O. G.—8

away from each other whereby reciprocatory movement is imparted to the plunger, the cam faces upon the cam mem-



bers upon one side of the guide block being inclined in a direction opposite to those upon the other side of the guide block.

1,737,769. ADJUSTABLE POT LIFTER. ANDREW PALMQUIST, Spokane, Wash., assignor of one-half to Ernest J. Palmquist, Helena, Mont. Filed Mar. 27, 1928. Serial No. 265,184. 5 Claims. (Cl. 294—31.)



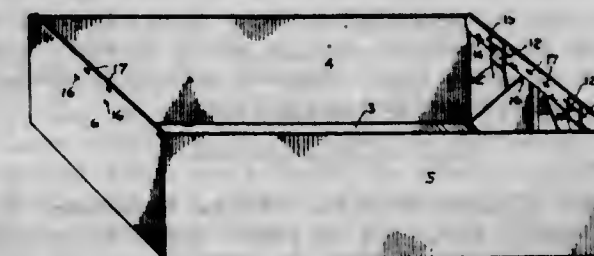
1. A lifter of the character described comprising a shank having a handle, hooks pivoted to the shank, means mounted upon the handle whereby the hooks may be retracted or forced forward, and hooks supported by the shank and confronting the first named hooks, the last named hooks being adjustable toward or from the first named hooks.

1,737,770. FOOD PRODUCT AND METHOD OF MAKING THE SAME. CLINTON HENRY PARSONS, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 15, 1928. Serial No. 282,080. 4 Claims. (Cl. 99—11.)

2. The method of preparing a dry comminuted food product, which comprises mixing cheese with powdered milk and drying the mass at a temperature not substantially exceeding 100° F.

4. As a new composition of matter a substantially dry stable comminuted cheese product substantially as soluble as fresh cheese, which comprises a dried mixture of cheese and powdered milk.

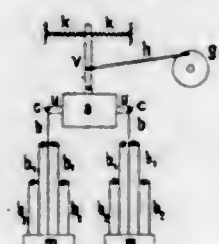
1,737,771. COLLAPSIBLE BOX. JACOB POBELL, Mount Vernon, and WILLIAM CONESCU, Brooklyn, N. Y. Filed Nov. 5, 1927. Serial No. 231,181. 2 Claims. (Cl. 229—34.)



1. A collapsible box of the class described comprising a rectangular central portion and rectangular side and end

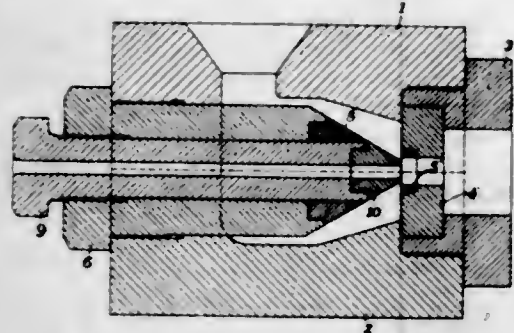
portions, rectangular corner portions hinged to the ends of said side portions and severed from said end portions, said corner portions scored diagonally from corner to corner and having three separate projections extending outwardly from opposite sides when the blank of said box is flat, flaps extending from said end portions between said corner portions adapted to be overlaid thereupon and secured thereto at the center, the outer two of said corner projections being adapted to engage beneath said flap, and the center one of said corner projections being adapted to engage outside of said flap means for securing each corner portion at top and bottom to one side of said end portion, said central section of said corner portion passing through said flap.

1,737,772. OSCILLATING SYSTEM. GEORG HEINRICH SCHIEFERSTEIN, Berlin-Charlottenburg, Germany. Filed Nov. 6, 1924, Serial No. 748,028, and in Germany Nov. 15, 1923. 7 Claims. (Cl. 74-14.)



1. An oscillating mechanical system comprising a mass, and elastic means operatively connected with said mass and having a resistance increasing more rapidly than linear as to deflection unit, the connection of said mass with said elastic means constituting a pseudo-harmonic oscillating structure, a mechanism for reciprocating said structure, and a yielding device operatively connecting said structure and said mechanism and adapted to transmit for each period only so much energy that the ratio of the energy thus transmitted to the energy existing in said oscillating structure equals or substantially equals the double dampening decrease of said oscillating structure.

1,737,773. LEAD CABLE PRESS. KASIMIR SCHROTT, Magdeburg, Germany, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Filed Feb. 29, 1928, Serial No. 258,124, and in Germany Mar. 15, 1927. 2 Claims. (Cl. 207-1.)

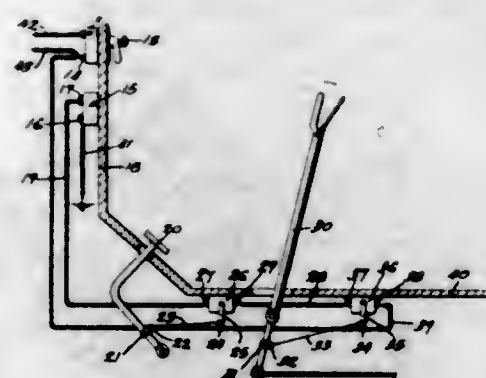


1. In a lead cable press, a press head, a die mounted therein, a mandril holder of relatively large inner diameter mounted in said press head so as to be adjustable toward and from said die, and a second mandril holder of relatively small inner diameter adjustably mounted within said first mentioned mandril holder.

1,737,774. ALARM SIGNAL. AGNES SHERWOOD, Massillon, Ohio. Filed Aug. 6, 1928, Serial No. 297,688. 1 Claim. (Cl. 177-311.)

An alarm signal, for use on an automobile having a brake lever and a clutch pedal and a source of current and

an ignition switch, comprising: a signal means for giving an alarm; a brake-switch controlled by said hand brake lever and closed when said hand brake lever is in brake-on position; a clutch-switch controlled by said clutch pedal

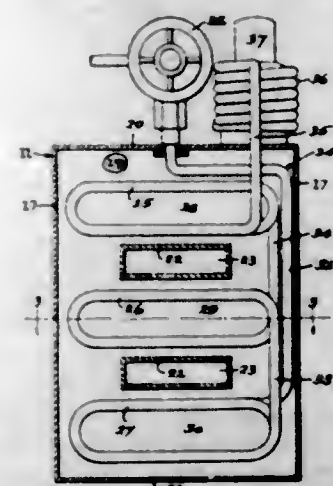


and closed when said clutch pedal is in clutch-out position; and conductors connecting said signal means and said brake-switch and said clutch switch and said ignition switch to said source of current in series.

1,737,775. METHOD OF RECLAIMING RUBBER FROM SCRAP. LEE T. SMITH, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed June 14, 1927. Serial No. 198,868. 6 Claims. (Cl. 18-52.)

6. The method of reclaiming rubber from scrap, which includes dissolving the rubber from the fabric of the scrap by treatment of the scrap with dipolymer, treating the dipolymer-rubber solution with an acetone to effect precipitation of the rubber from the solution and recovering the precipitated rubber.

1,737,776. MECHANICAL REFRIGERATION. CHARLES C. SPREEN, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Mar. 8, 1926. Serial No. 93,005. 12 Claims. (Cl. 62-95.)

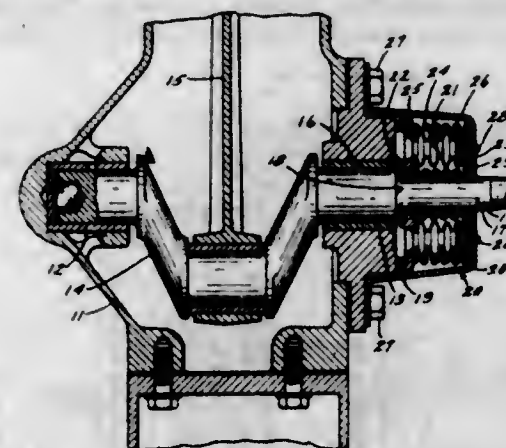


12. In a mechanical refrigerating system, a brine tank provided with a recess extending through said tank between opposite lateral faces thereof, said recess being formed to receive a receptacle for the production of artificial ice, and to divide said brine tank vertically into two spaces; and a refrigerant expansion unit disposed within said tank and comprising two coils each extending substantially the entire length of and disposed in one of said spaces.

1,737,777. JOURNAL-BEARING SEAL. CHARLES C. SPREEN, Detroit, Mich. Filed Dec. 30, 1926. Serial No. 157,940. 6 Claims. (Cl. 286-11.)

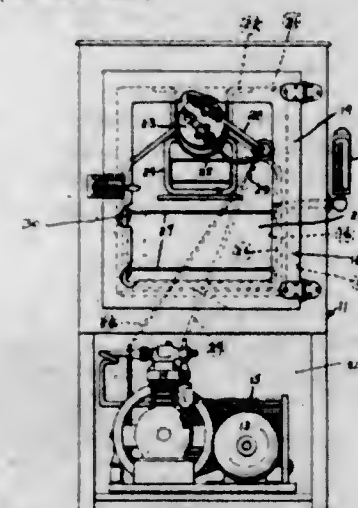
1. In a journal bearing seal, the combination of a casing provided with a shaft aperture, and with a seat encircling

the axis of said aperture, a shaft passing through said aperture and provided with a seat, and a seal for said aperture comprising a resilient tubular bellows structure



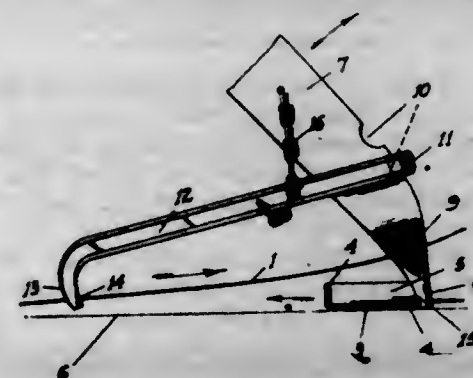
resiliently sealed at one end to said casing seat and resiliently and rotatably sealed at the other end to said shaft seat, the other of said sealed diaphragm ends being unattached relative to said casing seat.

1,737,778. COOLING UNIT FOR REFRIGERATORS. CHARLES C. SPREEN, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 11, 1927. Serial No. 182,709. 9 Claims. (Cl. 62-95.)



9. In a refrigerating apparatus, a cooling unit including a receptacle for containing liquid refrigerant, and a plurality of pipe loops in communication with said receptacle below the level of liquid refrigerant therein, said pipe loops being arranged to define a freezing zone adjacent said receptacle and a food storage zone exteriorly of said freezing zone.

1,737,779. BOX-STRAPPING DEVICE. CLARENCE P. STANBROUGH, Stockton, Calif. Filed Aug. 3, 1928. Serial No. 297,307. 4 Claims. (Cl. 24-23.)



2. A box strapping apparatus comprising a strap to extend about a box, and provided with longitudinally spaced

orifices at its end portions, and a buckle to be clamped onto the strap ends and including a base plate to project under one end of the strap, and normally upstanding lugs on the ends of the buckle, one of said lugs being adapted to project through an orifice in the strap-end thereabove while the other lug is disposed therebeyond to engage an orifice in the other strap-end; said lugs being adapted to be clinched over when thus projected through said orifices.

1,737,780. METHOD OF MAKING TUBULAR SPOKED WHEELS. JAMES H. WAGENHORST, Jackson, Mich. Filed Mar. 4, 1922. Serial No. 541,008. 9 Claims. (Cl. 29-174.)



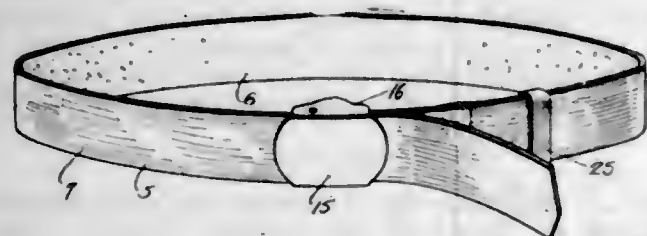
1. The method of making wheels comprising assembling a hub having spoke sockets within a sheet metal rim having spoke holes therein, inserting the inner ends of metal spokes through said spoke holes and moving said spokes radially inward to bring their inner ends into seating engagement in said sockets, and then expanding each spoke on opposite sides of said rim to fasten the spokes in position.

1,737,781. PAPER-MAKING MACHINE. MELVIN R. WARE, Westminster, Md. Filed Sept. 5, 1928. Serial No. 304,003. 3 Claims. (Cl. 92-44.)



1. A paper making machine comprising a breast roller, a driving roller, an endless wire belt passing over the rollers, a suction roller, table rollers for supporting the belt between the suction roller and the breast roller, an upper couch roller arranged between the suction roller and the driving roller and pressing the wire and sheet upon the driving roller, a pressure roller arranged between the suction and driving rollers and engaging the under face of the wire and pressing the wire and sheet against the upper couch roller and a deckle for forming and holding the edge of the sheet between the breast and suction rollers.

1,737,782. BELT. JOHN L. WOLF, New York, N. Y. Filed Mar. 26, 1928. Serial No. 264,647. 2 Claims. (Cl. 241-8.)



1. The combination with a belt of a buckle, having flanged side edges, inwardly turned ears integral with the side edges and bent to provide a constricted passage in the buckle for receiving and holding a looped end of the belt, said looped end being reversed so that the finished side of the belt is exposed, a pin in the buckle and a hook carried by the opposite end of the belt for engaging the pin to retain the belt closed.

1,737,783. HIGH-PRESSURE LUBRICATOR. CLYDE G. BUTLER, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 25, 1926. Serial No. 137,783. 2 Claims. (Cl. 221-47.1.)

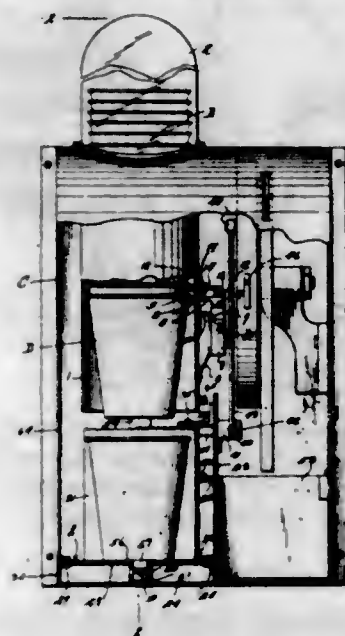


1. In a high pressure lubricator, a cylinder adapted to contain grease and having a booster pump associated with the front end thereof, a rod extending slidably into the cylinder from the rear end thereof and having a sectional piston slidable thereon, one section of the piston having ports therethrough and a second section providing a movable closure for said ports, an abutment on said rod, a spring bearing at one end against said abutment and at its opposite end against the piston to urge the latter forwardly, and a locking means for the rod associated with the rear end of the cylinder, said locking means being arranged to allow the rod to be pushed forwardly but to resist rearward movement of the rod, and the sections of said sectional piston adapted to separate with the reverse movement of the rod for free movement of the rod and piston in a retracted direction, when the rod is released by said locking means.

1,737,784. VENDING MACHINE. CHARLES KRESS CHERRY, Little Rock, Ark. Filed Oct. 18, 1927. Serial No. 226,964. 8 Claims. (Cl. 226-19.)

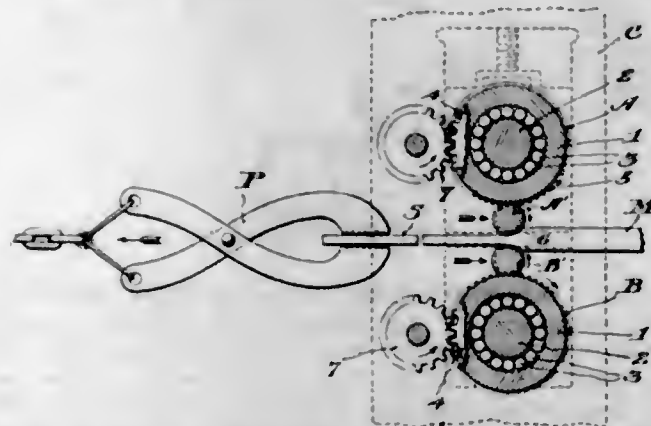
1. A vending apparatus of the class described comprising a cup magazine adapted to house a stack of cups, a

normally closed faucet in communication with a source of water supply, a slidable carriage, means for reciprocating the carriage and normally maintaining the carriage below the magazine to receive a cup as dropped therefrom, and means operable upon movement of the carriage



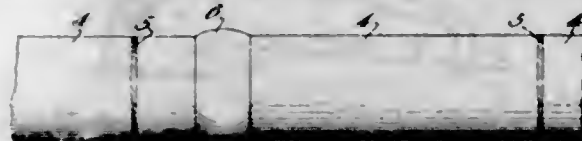
in a direction away from the magazine to open the valve of the faucet, and means for holding the cup upon the carriage during a reciprocable movement of the carriage, said means being inoperative when the carriage is in its normal position.

1,737,785. ROLLING MILL. WILLIAM C. CORRELL, Youngstown, Ohio, assignor to Central Alloy Steel Corporation, Massillon, Ohio, a Corporation of New York. Filed Apr. 5, 1923. Serial No. 630,121. 2 Claims. (Cl. 80-38.)



1. A rolling mill including a pair of relatively adjustable main compression rolls, each roll including a stationary supporting member, a cylindrical shell, a gear ring provided at one end of the shell, a driving gear engaging with said gear ring, a gear ring at the opposite end of the shell, reducing rolls in contact with the periphery of the shell, and a gear at one end of each reducing roller for engaging one of the gears on a shell.

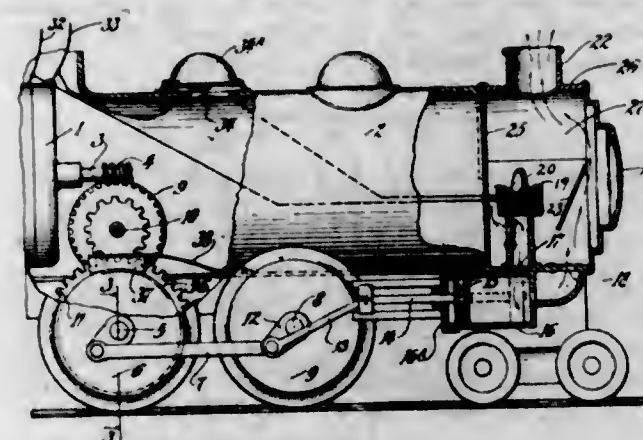
1,737,786. METHOD OF AND MEANS FOR REDUCING STRESSES IN WELDED PIPE. JOSEPH R. DAWSON, Flushing, N. Y., assignor to The Linde Air Products Company, a Corporation of Ohio. Filed Nov. 27, 1925. Serial No. 71,789. 6 Claims. (Cl. 78-94.)



1. The method of reducing stresses in welded pipe lines due to contraction on cooling from the welding operation,

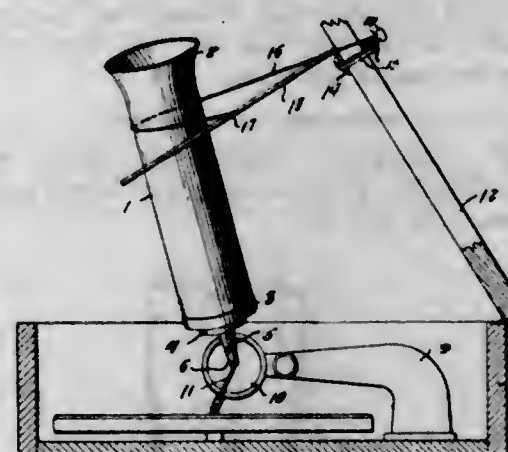
which consists in so deforming the pipe near the end to be welded that the over-all length of the pipe is shortened, and permitting the deformed portion of the pipe to approximate its original shape as the pipe contracts on cooling from the welding operation.

1,737,787. SMOKING TOY LOCOMOTIVE. RUDOLPH C. DOMBROW, Riverside, Ill. Filed Sept. 17, 1928. Serial No. 306,584. 4 Claims. (Cl. 46-48.)



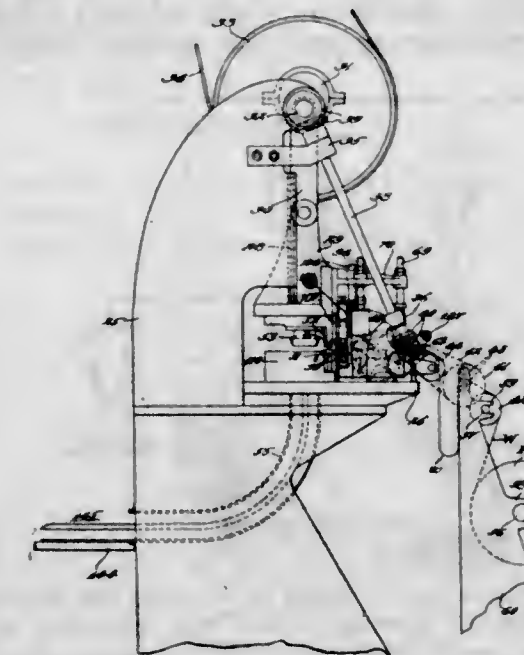
3. In a toy electric locomotive having portions simulating the usual boiler, smoke stack and engine cylinder of a steam locomotive, a partition forming a relatively short chamber within the boiler-simulating portion, means within the said chamber for generating smoke, and means for intermittently drawing smoke from the chamber into the cylinder-simulating portion and ejecting the same through the smokestack.

1,737,788. TONE-MODIFYING ATTACHMENT FOR PHONOGRAPHS. WILBER V. DOUGHERTY, Mobile, Ala., assignor of one-half to W. W. Harwell, Chuuchula, Ala. Filed Sept. 1, 1928. Serial No. 303,578. 3 Claims. (Cl. 274-27.)



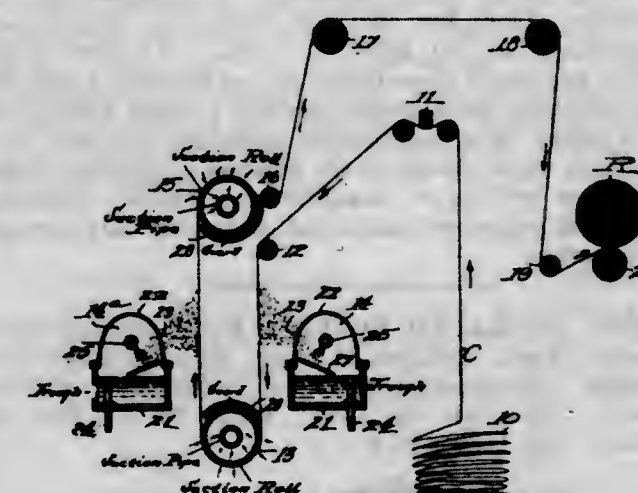
3. In a tone modifying attachment for phonographs, the combination of a cylinder open at one end and closed at the other end, a thin arm extending through the central portion of the closed end of the cylinder, means for firmly holding said arm in the desired position, a relatively heavy lid affixed to the inner end of the aforesaid arm, the outer end of the arm being notched to seat on the vibrator arm of the phonograph reproducer, and flexible means for supporting the device in the desired position with the notched end of the arm held in engagement with the vibrator arm of the reproducer by gravity.

1,737,789. MACHINE FOR FORMING ARTICLES FROM SHEET MATERIAL. BERNARD M. FINE, Philadelphia, Pa., assignor to Sanitary Products Corporation of America, Philadelphia, Pa., a Corporation of Virginia. Filed May 13, 1927. Serial No. 191,227. 16 Claims. (Cl. 93-60.)



1. In a machine for forming articles from sheet material, in combination, heated forming dies, means for feeding a web of material to said dies, and means for perforating said web, said feeding means being located between said dies and perforating means.

1,737,790. MACHINE FOR MOISTENING CLOTH. DAVID GESSNER, Worcester, Mass. Filed Nov. 26, 1926. Serial No. 150,750. 3 Claims. (Cl. 26-46.)

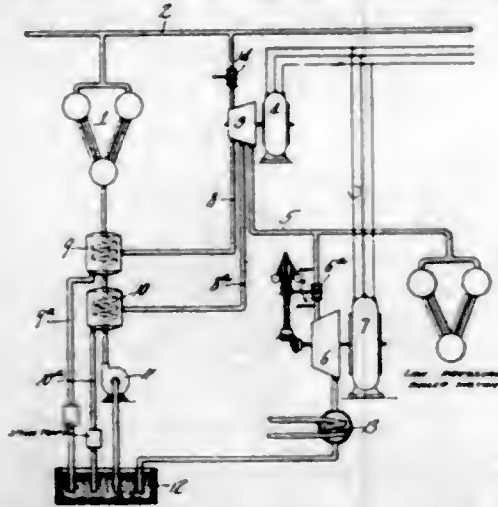


1. A machine for moistening cloth comprising means to draw a breadth of cloth through the machine under very slight tension, a device effective to uniformly moisten one face of the fabric as it is drawn through the machine, and means positioned at the opposite face of said fabric movable with said fabric and effective to draw the moisture into the fabric, thereby uniformly dampening the fabric and leaving the moisture in the fabric as the fabric is removed from the machine.

1,737,791. ELECTRIC POWER-GENERATING SYSTEM. HANS GEISEN, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Feb. 17, 1926. Serial No. 88,800, and in Germany Feb. 17, 1925. 2 Claims. (Cl. 290-61.)

1. The method of operating an electric generating system embodying high pressure boilers, a high pressure

turbine receiving steam from said boilers, said high pressure turbine having at least one intermediate stage and an exhaust, feed water heaters connected with said stage, a main steam line connected with said exhaust, a low pressure turbine connected with said main steam line, and interconnected alternating current generators driven by said turbines respectively; which comprises adjusting the generator driven by said high pressure turbine to



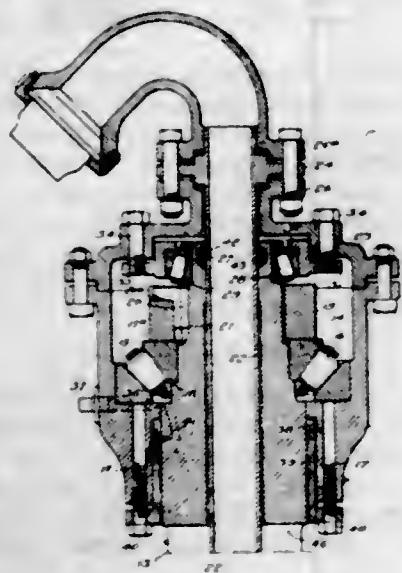
deliver current at such a power factor that the generator driven by said low pressure turbine may operate at unity power factor, maintaining substantially constant the supply of steam to the high pressure turbine, controlling the steam supply to the low pressure turbine in accordance with the load on the low pressure turbine, and diverting steam from said intermediate stage of the high pressure turbine to the feed water heaters.

1,737,792. MANUFACTURE OF ALKYLATED AROMATIC SULPHONIC ACIDS. FRITZ GÜNTHER and JOSEF HETZER, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Jan. 28, 1926, Serial No. 84,502, and in Germany Jan. 30, 1925. 3 Claims. (Cl. 260—159.)

1. The process of manufacturing naphthalene sulphonic acids containing alkyl groups in their nucleus which consists in acting on a naphthalene sulphonic acid with normal primary butyl alcohol in the presence of sulphuric acid.

2. As new articles of manufacture, aromatic sulphonic acids having condensed nuclei and containing butyl groups in their nucleus.

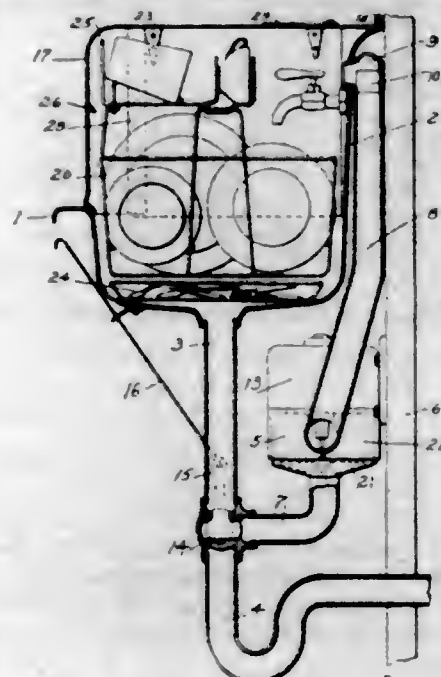
1,737,793. HYDRAULIC SWIVEL. HU M. HARRIS, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed Jan. 19, 1923. Serial No. 613,710. 8 Claims. (Cl. 1—255.25.)



1. In a hydraulic swivel, the combination of the trunnion block, a bearing plate mounted therein, a series of

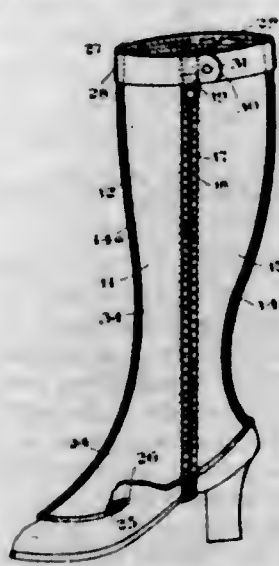
anti-friction elements on said plate, a swivel stem, spaced shoulders on the stem, a bearing plate on the stem between the shoulders, one of said shoulders being detachable to permit removal of said plate from the stem, means for locking said shoulder on the stem, said locking means comprising a key adapted to be inserted in slots in the stem and shoulder, and a thrust bearing for the stem, said thrust bearing closing said slots in the stem when the swivel is assembled.

1,737,794. DISHWASHING MACHINE. NELSON H. HENDERSON, Syracuse, N. Y., assignor to Syracuse Industrial Gas Company, Syracuse, N. Y., a Corporation of New York. Filed Oct. 20, 1925. Serial No. 63,631. 2 Claims. (Cl. 141—9.)



2. In a dish washing machine, the combination of a sink serving as a receptacle for the dishes and for the cleansing fluid, the sink having an upright hollow back, a pump located below the receptacle and having its inlet connected thereto and an outlet extending upwardly behind the hollow back and opening through the wall thereof to discharge into the receptacle, a cover for the sink, the cover forming with said sink a closed chamber, the cover having its lower and rear side open whereby the cover opens at its bottom into the sink and the rear wall of the sink closes the rear end of the cover.

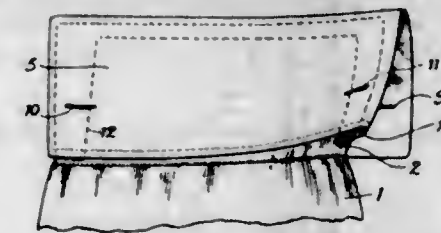
1,737,795. LEGGING. GORDON K. HODGES, Montreal, Quebec, Canada. Filed Feb. 9, 1928. Serial No. 253,129. 2 Claims. (Cl. 36—2.)



1. A legging comprising body blanks of suitable material shaped to fit the leg, elastic inserts at the front and back

of the legging extending substantially from top to bottom, hookless fasteners also extending from top to bottom of the legging at the side, and frictional gripping means extending circumferentially around the inside of the gaiter at the top and bottom to prevent slipping of the gaiter.

1,737,796. DETACHABLE CUFF. JOHN C. HOLLAND, Brooklyn, N. Y. Filed July 1, 1925. Serial No. 40,911. 3 Claims. (Cl. 2—124.)



1. A detachable cuff of the double fold type adapted for detachable application to a shirt-sleeve cuff, comprising two fabrics of cuff shape secured together along three sides and unsecured along the remaining side, one of said fabrics being cut away in its middle portion adjacent the unsecured side and both fabrics being provided with button openings to register with the button-holes of the sleeve cuff, said cut away area extending approximately from the button hole at one end of the cuff to the button hole at the other end of the cuff.

1,737,797. SANITARY FEED TROUGH. HENRY JACOT, Apple Creek, Ohio. Filed Dec. 16, 1926. Serial No. 155,330. 2 Claims. (Cl. 119—61.)



1. In a device of the character described, the combination with a feed trough, having concave ends and bottom, a hood extending over said trough transversely, and removably secured thereto, and means including a marginal flange on the trough and means connected therewith for detachably securing the hood thereon in a plurality of positions with reference to the front and rear sides of the trough to modify access thereto, substantially as set forth.

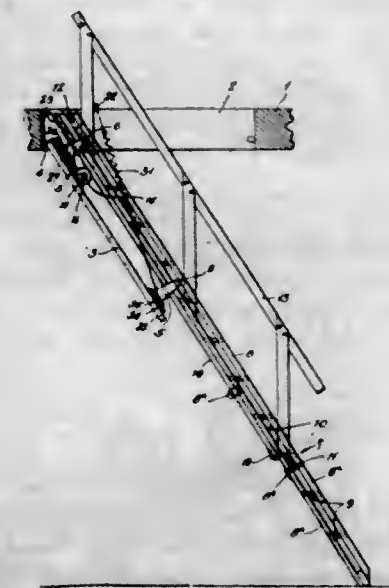
1,737,798. PENCIL HOLDER FOR LEADS OF DIFFERENT KIND, THICKNESS, OR COLOR. ADOLF KINZINGER, Pforzheim, Germany. Filed Dec. 28, 1927. Serial No. 243,118. 4 Claims. (Cl. 120—14.)



1. An instrument for writing, comprising a tubular casing of polygonal cross-section open at both ends, a number

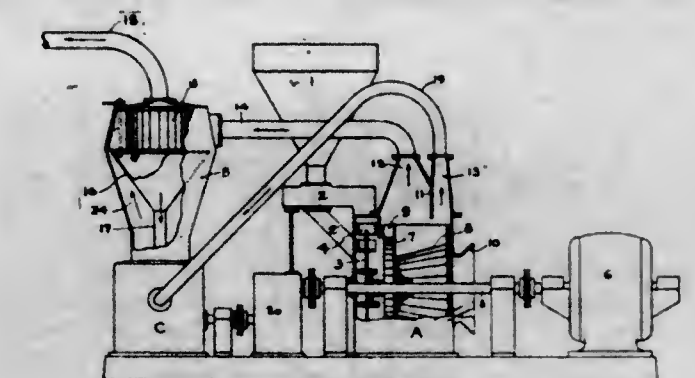
of propelling pencils placed one behind the other in said casing and consisting each of a casing and of a propelling mechanism of known type for propelling a lead said mechanism leaving a vacant portion at the rear end of said casing, a bottom plate closing the casing of the propelling pencil and having a large hole to allow the point of the lead of the next following propelling pencil to occupy said vacant space, and a resistance on each propelling pencil to prevent accidental shifting of the propelling pencil in said casing.

1,737,799. SLIDING STAIRWAY. EMIL C. LOETSCHER, Dubuque, Iowa. Filed Jan. 21, 1928. Serial No. 248,515. 9 Claims. (Cl. 228—50.)



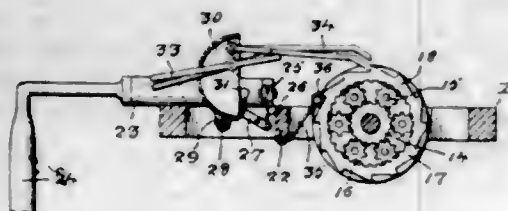
1. The combination with a movable door, and a stairway slidably mounted on the same, of a brake drum, means operatively connecting the stairway to the brake drum for rotating the latter in opposite directions, when the stairway moves upwardly or downwardly, and means for retarding the movement of the brake drum when the stairway is moved in one direction, said retarding means having no effect on the brake drum when the stairway is moved in the opposite direction.

1,737,800. APPARATUS FOR PULVERIZING MATERIAL. WILLIAM J. A. LONDON, Hartford, Conn., assignor to Peabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed May 9, 1928. Serial No. 276,459. 4 Claims. (Cl. 83—11.)



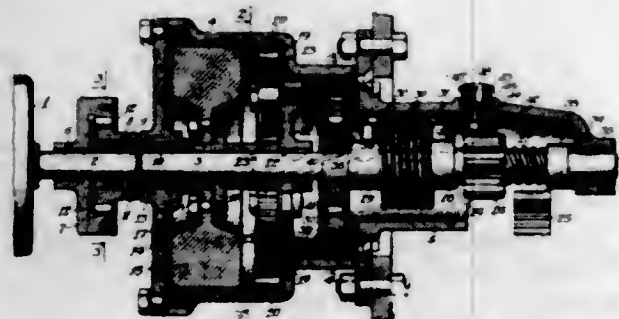
1. A system for pulverizing material comprising two independently operated mills, a separator located between and connected to said mills, said separator having means to separate the usable fines from the product of the first mill and to discharge the unground material into the second mill, and means for returning the ground product of the second mill to the separator.

1,737,801. VARIABLE-LINE-SPACING DEVICE. JOHN R. LYLE, Lebanon, Ky. Filed Aug. 6, 1928. Serial No. 297,757. 8 Claims. (Cl. 197-114.)



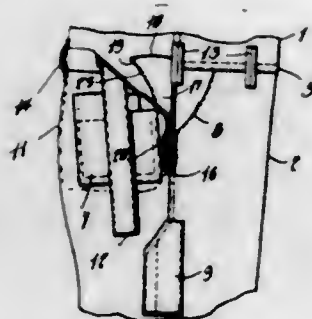
1. A variable line spacing device for a typewriter comprising an axle, a knob secured to one end thereof, means for securing the opposite end to the platen of the typewriter, a plurality of sets of planetary gearing loosely surrounding the axle, a disk having connection with one of said sets and being disposed at the inner ends thereof, means for connecting all of said sets for cooperation, clutch means for connecting the sets with said axle, and means for operating one or more sets.

1,737,802. ENGINE STARTER. WILLIAM L. McGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Nov. 14, 1925. Serial No. 68,932. 28 Claims. (Cl. 123-179.)



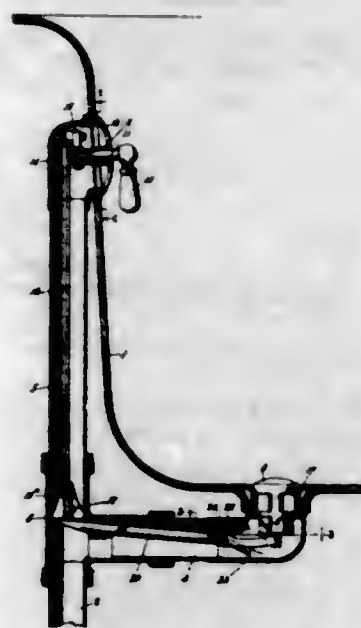
1. An engine starter drive including a driving member adapted to engage and crank a member of the engine to be started, an inertia device, means for operating such device, torque transmission mechanism between said inertia device and driving member including a resilient means to yield undercranking torque, and a one-way clutch adapted and arranged to prevent in one direction torque transmission between said device and resilient means.

1,737,803. CONVENIENT UNION-ALLS. CLAUDIUS M. PEIRY, Wilkesboro, N. C. Filed Feb. 15, 1927. Serial No. 168,362. Renewed Apr. 11, 1929. 2 Claims. (Cl. 2-79.)



1. A garment of the character set forth, comprising trousers having a drop seat, a shirt having a rear extension underlying the drop seat, tabs secured to the trousers and shirt extension, inner flaps secured to the drop seat and tabs, means detachably connecting the tabs and flaps, and a belt connected to the drop seat.

1,737,804. WASTE-VALVE DEVICE FOR BATHTUBS, ETC. EMMETT M. REEDY, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a Corporation of Illinois. Filed Sept. 22, 1928. Serial No. 307,709. 3 Claims. (Cl. 4-203.)



1. The combination with a bath tub or similar plumbing fixture provided with drain and overflow outlets, of a waste pipe having connections with both said outlets, a valve controlling flow through and normally closing the drain outlet, a lever extending longitudinally of the branch of the waste pipe leading from the drain outlet and adapted to lift the valve to open the drain outlet, said lever having laterally projecting fulcrum lugs engaging oppositely positioned bearings within said pipe, a shaft extending through the overflow outlet, an arm connected to said shaft within the connection between the overflow outlet and the waste pipe, and a rod within the branch of the waste pipe leading from the overflow outlet and having one end connected to said arm and provided at its other end with a foot adapted to rock said lever to raise the drain outlet valve when said shaft is turned in one direction.

1,737,805. TAPE MOISTENER. ALBERT H. REISER, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a Corporation of Delaware. Filed July 11, 1925. Serial No. 42,954. 10 Claims. (Cl. 216-20.)

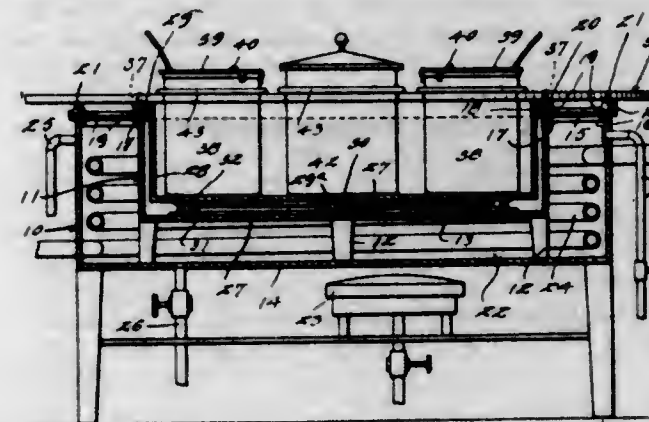


1. A tape moistener comprising a body section adapted to receive water; said body section comprising a spout member provided with a wick opening; a wick in said wick opening; and means providing an air passage into said body section between said wick and a wall of said wick opening.

1,737,806. FOOD-DISPENSING TABLE. ARTHUR G. ROTHMAN and CHARLES H. CARTER, Hammond, Ind., assignors of one-third to Arthur Van Proyen, Chicago, Ill. Filed Dec. 11, 1928. Serial No. 325,178. 6 Claims. (Cl. 126-33.)

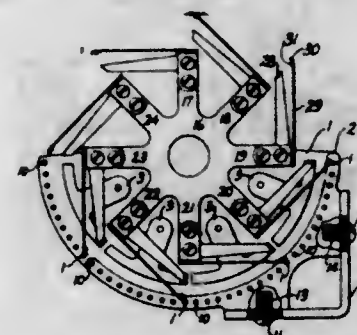
1. In a rotating food dispensing table, a closed water chamber the upper wall of which has a circular depression, a receptacle container rotatably fitting the depression, anti-friction elements supporting the receptacle con-

tainer and arranged within said depression, and a cover for the receptacle container seating upon the margins of the container and outwardly of the margins of the con-



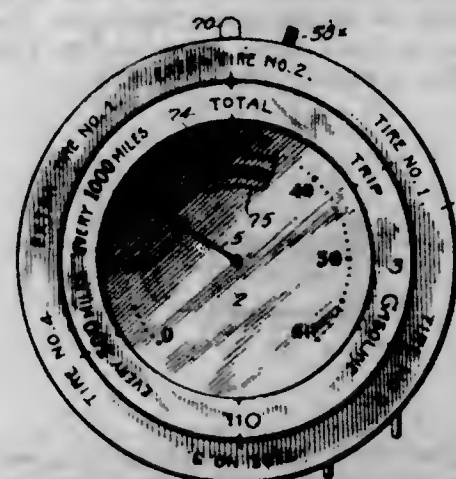
tainer having anti-friction engagement with the wall of the chamber outwardly of the depression, said cover having openings permitting the insertion of receptacles to said container.

1,737,807. SWITCH MECHANISM. HANS SENGEBUSCH, Villa Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Jan. 27, 1928. Serial No. 240,815. 3 Claims. (Cl. 179-27.5.)



1. In a switch mechanism, a stationary base plate, a terminal plate mounted thereon, a plurality of terminal conductors projecting through said plate, a rotatable short circuiting member adapted to short circuit said terminal plate and said conductors one after another, said short circuiting member comprising a unitary wiper having two projections adapted to exert pressure at right angles to each other, one to exert pressure on said terminal plate, the other to exert pressure on said conductors, and means to prevent the projection from engaging more than one of said conductors at a time.

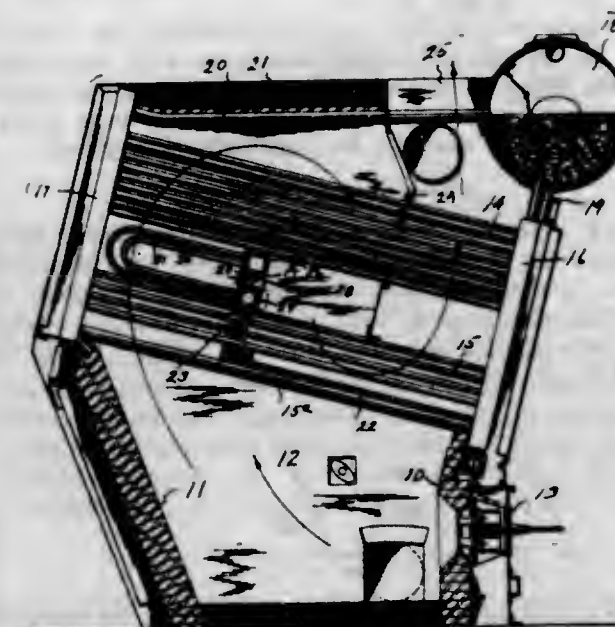
1,737,808. METER. MARVIN SMITHEY, Lawrenceville, Va., assignor to L. P. Smithey and Nellie C. Smithey, Roanoke, Va. Filed Jan. 6, 1917. Serial No. 140,974. Renewed Apr. 23, 1923. 4 Claims. (Cl. 235-95.)



1. The combination of a plurality of movable dial carrying members, a number of registers carried by each

such member and brought by the member movement to a common reading point, each member being movable independently of another, and a common operating means for registers of all the members.

1,737,809. BOILER AND SUPERHEATER HAVING REPLACEABLE TUBES. THOMAS B. STILLMAN, South Orange, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Apr. 21, 1925. Serial No. 24,723. 3 Claims. (Cl. 122-478.)



1. In a steam boiler, spaced banks of water tubes connected at their ends to headers extending across the space between the banks, a superheater located in the space between the banks and comprising headers extending transversely of said boiler tubes and spaced apart and each disposed adjacent one of said banks, removable panels for closing the space between said headers, U-tubes connected to said headers and divided into spaced groups, the distance between any two adjacent groups being greater than the diameter of the tubes, the spaces between the groups permitting a tube to be turned therein, whereby an individual tube may be removed from or inserted in position in the superheater through the space enclosed by said U-tubes and through an opening formed by removing a panel.

1,737,810. AUTOMOBILE CHASSIS OF SHEET-METAL STAMPINGS. JOHN P. TARBOK, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1927. Serial No. 241,685. 14 Claims. (Cl. 280-106.)

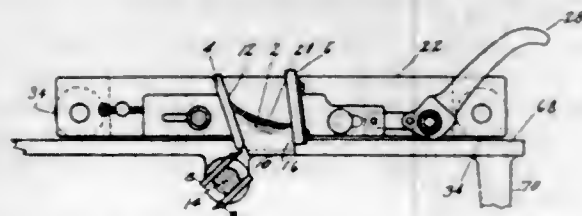


1. An automobile chassis of hollow cross section comprised of upper and lower sheet metal stampings constituting its upper and lower surfaces and joined together in their margins.

1,737,811. MACHINE AND METHOD FOR MANUFACTURING HEELS. ARCHIE ROLAND TAYLOR, Haverhill, Mass., assignor to New England Wood Heel Co., Haverhill, Mass., a Corporation of Massachusetts. Filed Aug. 5, 1925. Serial No. 48,267. 16 Claims. (Cl. 12-47.)

1. A machine of the class described having, in combination, two elements, one of the elements comprising

means for clamping an article, the other element comprising a knife shaped to cut a cylindrical groove in the article, the article having a surface that is irregular in a direction parallel to the elements of the cylindrical



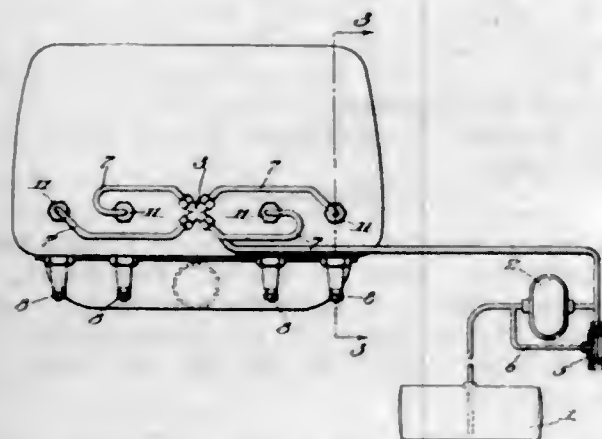
groove, and means for relatively moving the two elements to cut the said cylindrical groove in the article, the knife being so shaped as to cut the irregular surface of the article during the said relative movement along a line of cut that shall lie in substantially a plane.

1,737,812. HEEL. ARCHIE R. TAYLOR, Haverhill, Mass., assignor to New England Wood Heel Co., Haverhill, Mass., a Corporation of Massachusetts. Original application filed Aug. 5, 1925. Serial No. 48,207. Divided and this application filed Nov. 13, 1926. Serial No. 148,211. 5 Claims. (Cl. 36—34.)



1. An article of the class described having an irregular surface and a cylindrical groove, the curve of intersection of the cylindrical groove and the irregular surface lying in substantially a plane.

1,737,813. CARBURETING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. PERCIVAL S. TICE, Chicago, Ill. Filed Oct. 21, 1920. Serial No. 418,543. Renewed Feb. 15, 1929. 5 Claims. (Cl. 123—33.)

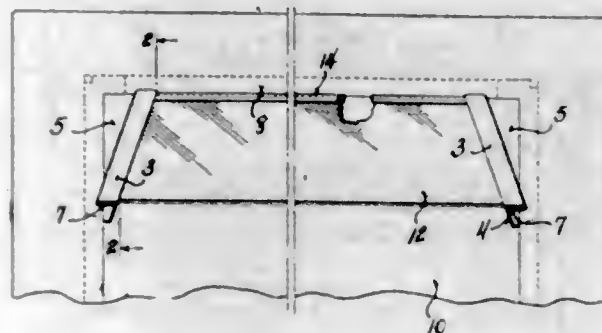


1. In combination with a multiple cylinder internal combustion engine, a supply passage for liquid fuel comprising a branched fitting having a single passage leading from said fitting to each of the cylinders of the engine, the passages to the cylinders whose respective working or explosion strokes and suction or intake strokes coincide, having communication with each other through said fitting, whereby the difference in pressures between said cylinders serves to carry the fuel from the branched fitting to the cylinder which is on the inlet stroke.

1,737,814. SUPPORTING BRACKET FOR VISOR GLASSES. SORUS TROLLE, Racine, Wis., assignor to Trolle Specialty Company, a Corporation of Wisconsin. Filed Apr. 9, 1928. Serial No. 268,703. 6 Claims. (Cl. 296—44.)

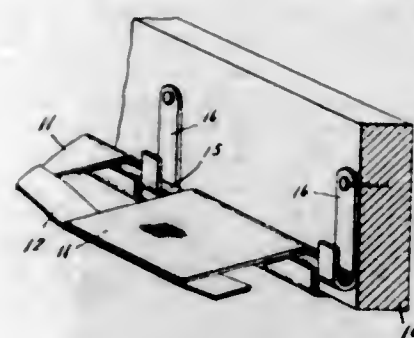
1. A bracket for a visor glass for a window comprising a vertical side strip, and a channelled glass-receiving por-

tion slanting outwardly, laterally, and downwardly with reference to said side strips, all portions of said bracket



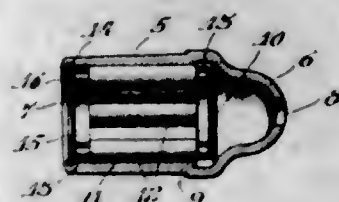
being integral, said channelled portion having an inwardly turned bottom lip and said side strip having tongues on its marginal edge remote from said channelled portion.

1,737,815. UPHOLSTERY SUPPORT. SIMON L. WARREN, Quincy, Mass. Filed Apr. 25, 1928. Serial No. 272,708. 1 Claim. (Cl. 155—179.)



In combination with an upholstery frame having a bottom face, a series of webbing strips extending in spaced relation between opposite portions of said bottom face, fasteners extending thru the end portions of said strips and into the frame to hold the strips against said face, a series of clips attached to the frame in positions to depend between the adjacent edges of the strips and having upturned lower ends forming hooks, and a closed, strip-supporting frame extending transversely beneath said strips, and within said upholstery frame and slidably supported within the upturned ends of said clips, whereby the said strip-supporting frame may be quickly applied and the strips will be pressed upwardly against the bottom of the upholstery frame.

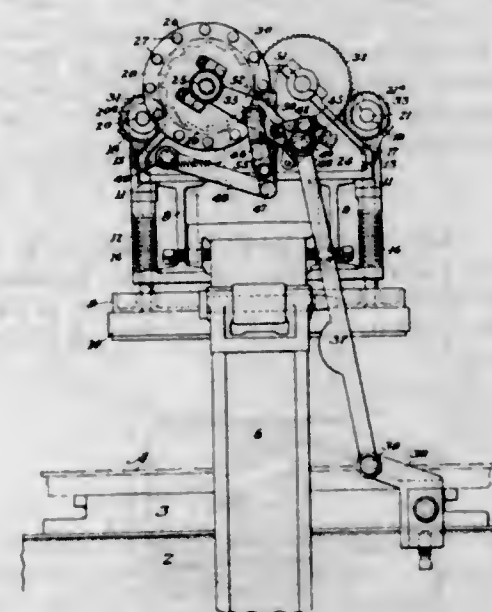
1,737,816. BEARING BOX. WILLIAM WEBBER, La Grange, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 30, 1926. Serial No. 119,555. 1 Claim. (Cl. 308—212.)



As a self-contained replacement unit, a bearing box comprising a cup-shaped, cylindrical sleeve open at one end to receive a shaft and closed at its other end by a substantially conically shaped integral reduced exten-

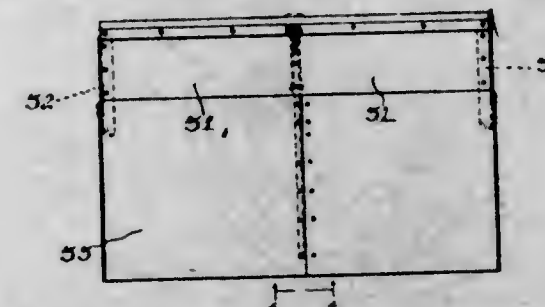
sion provided with a lubricant filler opening to supply the same to the extension which forms a lubricant chamber, a loose washer in the sleeve and abutting the start of said extension, a roller bearing in the sleeve, a shoulder in the sleeve adjacent its open end, a flat washer in the sleeve abutting said shoulder, and a deformed end on the sleeve to lock said last mentioned washer in place to complete the said self-contained replacement unit.

1,737,817. ACTUATING MECHANISM FOR MULTIPLE-BLOCK PRINTING HEADS. HARRY A. WEBSTER, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a Corporation of Pennsylvania. Filed May 18, 1928. Serial No. 278,811. 20 Claims. (Cl. 101—199.)



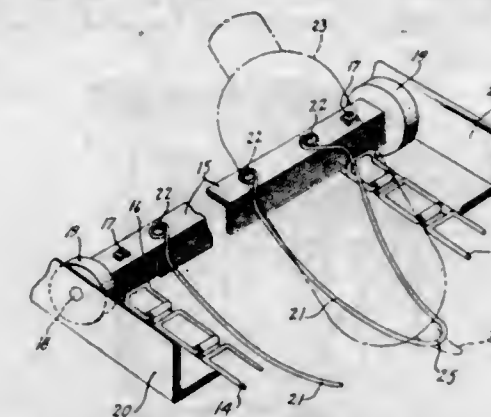
1. In a block printing machine, a vertically reciprocable cross head, a plurality of separately movable printing blocks on the cross head, and means on the cross head operable upon reciprocation thereof for effecting movement of said printing blocks relatively to each other.

1,737,818. GRAIN-CLEANING MECHANISM. ALBERT B. WELTY, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 30, 1927. Serial No. 202,475. 11 Claims. (Cl. 83—44.)



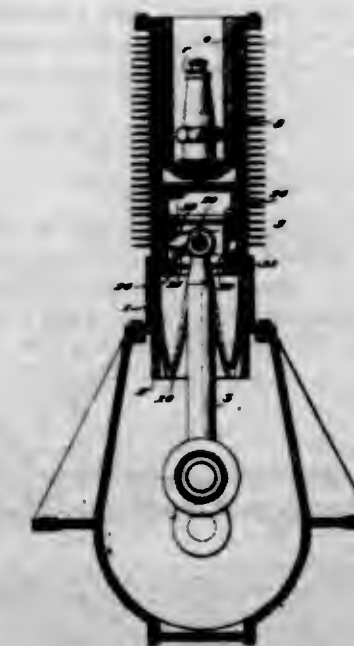
1. In a grain cleaner, the combination of a cleaning shoe, a pan for directing grain to the shoe, said pan comprising two sections flexibly joined along their inner adjacent marginal edges, and means for warping said pan up or down to vary the distribution of grain to the shoe.

1,737,819. BOTTLE CARRIER. MINER P. WETMORE, Norwich, Conn., assignor to The American Thermos Bottle Company, Norwich, Conn., a Corporation of Ohio. Original application filed July 30, 1927. Serial No. 209,608. Divided and this application filed Sept. 8, 1928. Serial No. 304,655. 8 Claims. (Cl. 198—131.)



1. In a carrier for double-walled vacuum bottles having each a tubular extension at the base, a support, a member mounted on said support and shaped to receive a bottle, said member having a portion adapted to engage said extension, whereby the bottle is supported on said member and held out of engagement with said support.

1,737,820. MOTOR. BUTLER AMES, Lowell, Mass. Filed May 28, 1928. Serial No. 281,251. 16 Claims. (Cl. 123—45.)

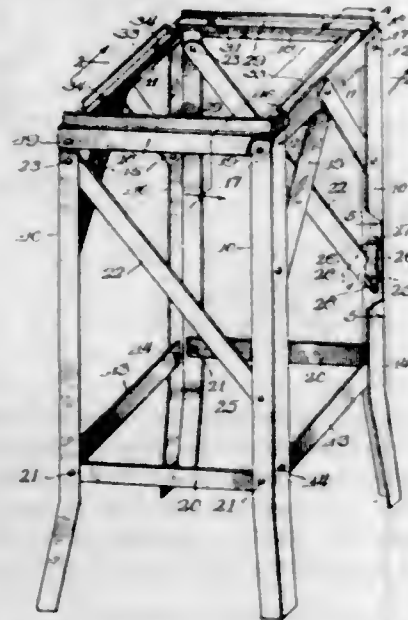


1. In apparatus of the type designated, a cylinder, a connecting rod and a piston rotatively articulated with the connecting rod, two cam and follower factors, the coactive members of one fixed with relation to the piston and cylinder respectively, the coactive members of the other fixed with relation to the piston and connecting rod respectively, the dwells of one cam and follower factor synchronizing with the throws of the other.

1,737,821. FOLDING TABLE. JOHN W. ANDERSON, Aurora, Ill., assignor of one-half to James A. Graham, Aurora, Ill. Filed Mar. 28, 1927. Serial No. 178,915. 5 Claims. (Cl. 45—11.)

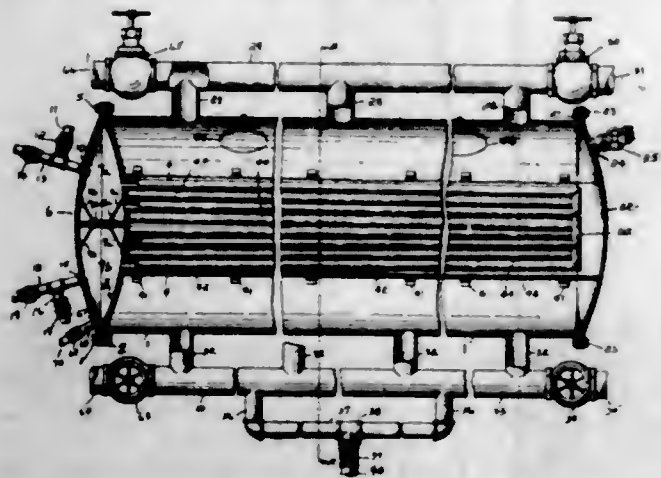
4. A foldable table embodying spaced substantially parallel upright frame members, each of said members embodying spaced uprights formed of angle iron and a cross bar at the top thereof and connecting the uprights, a plurality

of connecting bars pivotally secured at their ends to the respective frame members for connecting and for holding them spaced, the upper surfaces of the uppermost said connecting bars being substantially flush with the upper surfaces of said cross bars of the frame members, the said connecting bars serving as links whereby one of said frame members may be folded against the other, a brace member pivotally connected by one end with one of the uprights of one of said frame members, the free end of said brace



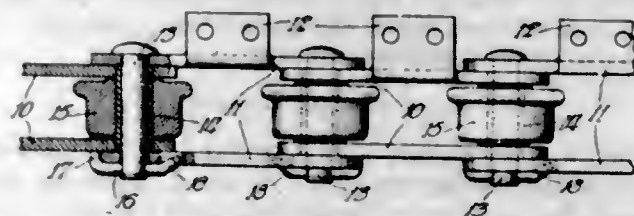
adapted to be positioned adjacent the upper face of one of the uprights of the opposite frame member, the said free end of the brace and the last said upright being provided one with a projection and the other with a recess to receive the projection for locking the structure against a folding movement, and a latch pivotally mounted upon and within the last recited upright and adapted to be swung over the adjacent end of said brace for locking the brace against detachment from the last said upright.

1,737,822. APPARATUS FOR THE RECOVERY OF GASES AND VAPORS. OSCAR L. BARNEY, Columbus, Ohio, assignor to American Solvent Recovery Corporation, a Corporation of Ohio. Filed July 2, 1924. Serial No. 723,642. 17 Claims. (Cl. 183-4.)



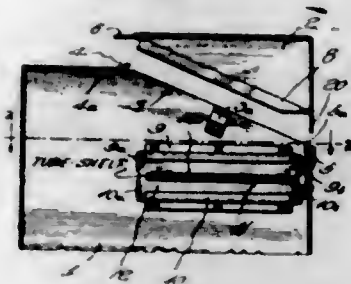
14. In apparatus of the character set forth, the combination of an elongated substantially cylindrical shell having its longitudinal axis substantially horizontally disposed; a substantially horizontal layer of adsorbent carbon disposed in the central part of the shell and extending substantially from end to end and side to side thereof; an aperture for gases through the shell above the layer of carbon; an inlet into the shell for the admission of steam into direct contact with the adsorbent carbon, and means for passing air through the shell and the layer of adsorbent carbon.

1,737,823. CONVEYER CHAIN. ALEXANDER T. BODLE, Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Wilmington, Del., a Corporation of Delaware. Filed Oct. 6, 1928. Serial No. 310,723. 4 Claims. (Cl. 198-189.)



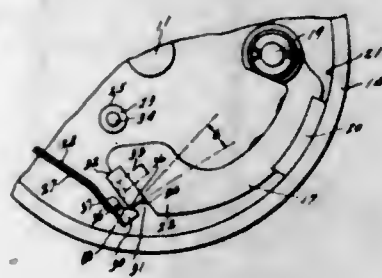
1. A conveyer chain comprising pivotally connected link bars and embodying pivot pins, locking pins for said pivot pins, and bushings in which the pivot pins are rotatably fitted, said bushings being non-rotatably mounted in ends of link bars connected by the pivot pins to ends of adjacent link bars, and said locking pins inserted through said pivot pins and fastened in such manner as to hold the pivot pins in non-rotatable relation to the last mentioned link bars, so that the links can move relative to one another only in unison with the pins and bushings.

1,737,824. RADIO APPARATUS. WILLIAM M. BROWER, Palo Alto, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Dec. 3, 1926. Serial No. 152,495. 6 Claims. (Cl. 250-14.)



1. A chassis for signaling apparatus comprising a metallic casing forming an enclosure for radio apparatus said casing being angularly cut away adjacent one side thereof, a removable corner section independent of said casing arranged to be inserted on said casing, the edges of said removable corner conforming with the angular disposition of said casing and overlapping with the edges of said chassis, and means for urging the edges of said removable corner section in engagement with the edges of said chassis.

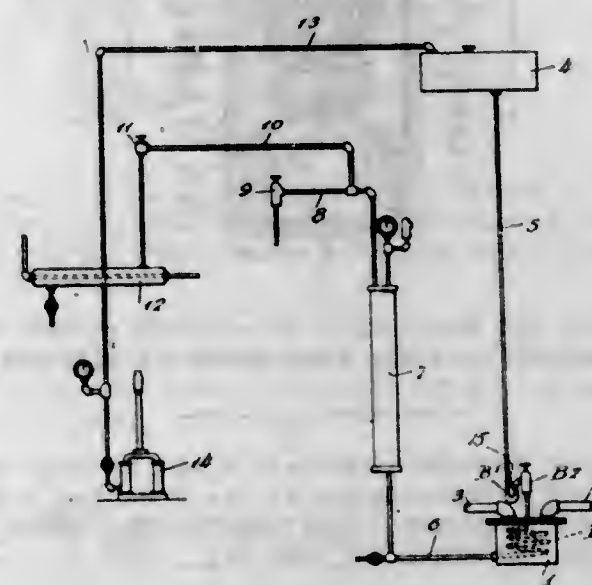
1,737,825. CLUTCH FOR REFRIGERATORS. HERBERT L. BRUMP and FREDRICK BAUCH, Dayton, Ohio, assignors to The Day-Fan Electric Company, Dayton, Ohio, a Corporation of Ohio. Filed Sept. 30, 1927. Serial No. 223,095. 5 Claims. (Cl. 192-105.)



2. A clutch comprising a rotatable driving member, a weight member mounted on said driving member so as to move outwardly under the action of centrifugal force, said weight member having a friction clutch surface, a rotatable driven member having a friction clutch surface adapted to be engaged by the surface on said weight member, and means for preventing any substantial outward

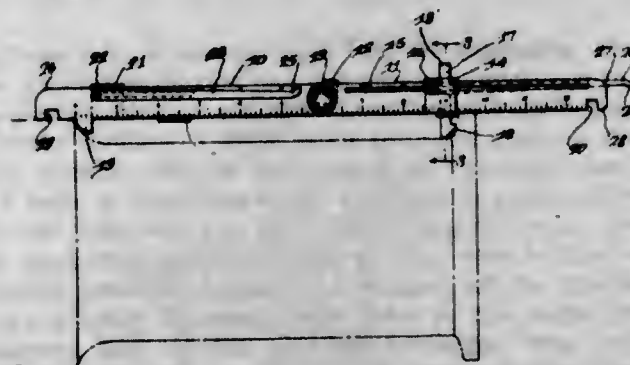
movement of the weight member until a predetermined speed of rotation is attained and then suddenly acting to permit the instantaneous full outward movement of the weight member and the tight engagement of said clutch surfaces comprising a cam member engaging the weight member, and a spring fixed at one end to the rotatable driving member and bearing said cam member at its other end.

1,737,826. APPARATUS FOR SUPPLYING STEAM OR OTHER VAPORS. PHILIP MASON CABELL, New York, N. Y. Filed May 1, 1925. Serial No. 27,337. Renewed Mar. 1, 1929. 2 Claims. (Cl. 122-40.)



1. Apparatus for supplying vapor under constant pressure, comprising a flash boiler; a vapor outlet from the lower part of the boiler; and means for supplying liquid to the top of the boiler comprising an up-flow conduit, means for supplying liquid to the bottom of said up-flow conduit under a constant pressure, and a supply connection from the top of said up-flow conduit to the top of the boiler for the passage of liquid into the boiler and for the passage of vapor from the boiler to depress the liquid column in the up-flow conduit when the vapor pressure exceeds the liquid pressure at the top of the up-flow conduit.

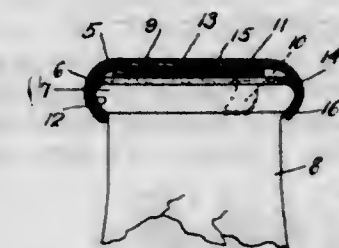
1,737,827. COMBINATION TOOL. ALBERT I. CILISKE, Chicago, Ill. Filed May 28, 1927. Serial No. 195,086. 2 Claims. (Cl. 32-193.)



1. In a combination tool, two rule members pivotally connected together for folding upon themselves, means for limiting the pivotal movement of the rule-members for positioning the rule members in substantial alignment with respect to each other, said rule members having slots formed therein, carriage plates disposed on one side of each of said rule members but on opposite sides thereof, caliper legs, means extended through said slots and secured to said carriage plates for securing said caliper legs for disposition opposite said carriage plates and for pivotal movement with respect to said rule members, one of said car-

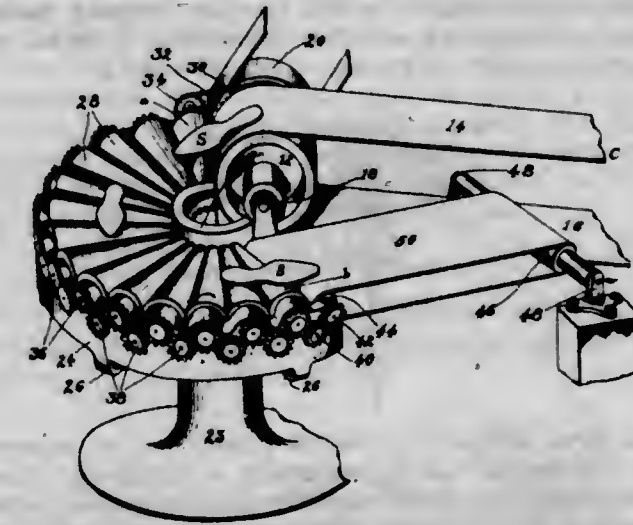
riage plates having a transverse slot extending there-through, a gauge member in said slot having an enlarged head at one end thereof, said gauge member having a portion extending at right angles to the extent thereof at the end opposite said enlarged head.

1,737,828. COMBINED BOTTLE-CAP OPENER AND DRINKING ATTACHMENT. ELLIOTT B. CLARK, Weldon, N. C. Filed Oct. 28, 1927. Serial No. 229,399. 2 Claims. (Cl. 215-46.)



1. In a bottle cap remover of the class described, a body member having a pair of hooked members extending from opposite ends thereof and adapted for arrangement in gripping relation with the lip of a bottle and a tongue extending from said body portion at one edge thereof intermediate the hooked ends and adapted to extend across the face of the body portion in spaced relation therefrom, said tongue also having a hooked section formed therein intermediate its ends conforming with the contour of the lip of the bottle and provided with a return bend in the tongue for extending diametrically across the top of the bottle in spaced relation from its body attached section and with the free end of the tongue formed with a hook also engageable with the lip, said hooked members and hooked section permitting the fitting of a bottle cap thereover in interposed relation between the spaced portions of the tongue whereby to retain the cap in position thereon.

1,737,829. CONVEYING SYSTEM. JOHN W. COSGROVE, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 17, 1924. Serial No. 686,823. 17 Claims. (Cl. 198-103.)

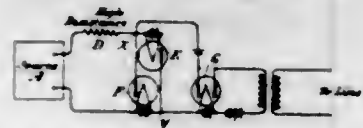


1. In a conveying system, conveying portions movable in different directions, and movable means acting to turn objects through an angle approaching 180 degrees and transfer them from one portion to the other.

1,737,830. MEANS FOR AND METHOD OF VOLUME CONTROL OF TRANSMISSION. GEORGE CRISSON, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 12, 1924. Serial No. 737,415. 39 Claims. (Cl. 178-44.)

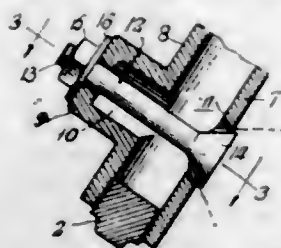
1. The method of signaling which consists in producing under the control of telephonic sounds an electrical sound

current wave whose instantaneous values are directly proportional to the corresponding values of the sound wave, and translating said sound current wave into a varying



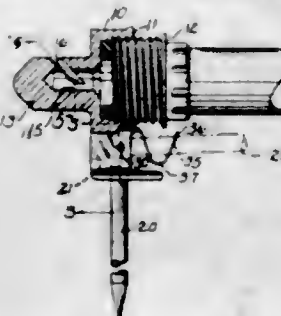
electrical current wave each of whose instantaneous values is an invariable non-linear function solely of the corresponding value of said sound current wave.

1,737,831. SPRAY NOZZLE. JOHN F. CURTIS, Chicago, Ill., assignor to O. F. Jordan Company, East Chicago, Ind., a Corporation of Indiana. Filed Jan. 27, 1926. Serial No. 84,039. 3 Claims. (Cl. 299-130.)



1. A spray nozzle for spraying oil and the like upon rail joints embodying therein a depending tubular casing having an inwardly tapering discharge opening in one side thereof, a valve stem arranged transversely of and within the casing coaxially with said opening and a tapered head at the free end of the valve stem disposed in said opening which opening and head are so relatively formed as to produce a substantially cone shaped spray having an uninterrupted differential cross section corresponding to a roman capital O and therefore heavier at diametrically opposite points in one plane than at diametrically opposite points in another plane, the tubular casing being so disposed relative to the rail joint to be sprayed that the heavier portions of the spray are disposed at the sides and the thinner portions are disposed at the top and bottom of the rail joint.

1,737,832. LAWN SPRINKLER. WILLIAM L. DEMING, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed Nov. 1, 1926. Serial No. 145,397. 2 Claims. (Cl. 299-153.)



1. A lawn sprinkler including a body portion adapted to be attached to a hose connection, a cylindrical extension projecting therefrom, said cylindrical extension having an eccentric bore extending thereinto, said extension having a lateral slot therein cutting into said bore, said slot being centered on the line of eccentricity and on the same side of the axis of the cylindrical member as the axis of the bore, said slot being so inclined with respect to the radii of the member and bore, and with respect to the eccentricity, that the metal forming the walls of the slot is of substantially uniform width at all parts of the slot.

1,737,838. ANTI-AIRCRAFT PROJECTILE. NATALINO D'ORSANEO, Philadelphia, Pa. Filed July 26, 1928. Serial No. 295,501. 13 Claims. (Cl. 102-29.)

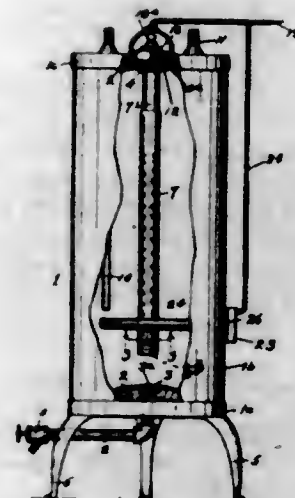
1. A device of the character described comprising a shell with an internal shoulder in spaced relation to the

base thereof, an interfitted projectile seating on said shoulder and defining with the shell independent explosive



chambers, and means about the projectile charged with shot adapted for volley firing before the projectile explodes.

1,737,834. HEATER. HAROLD D. EATON, La Porte, Ind., assignor to Bastian-Morley Co., La Porte, Ind., a Corporation of Indiana. Filed June 17, 1926. Serial No. 116,615. 5 Claims. (Cl. 219-38.)

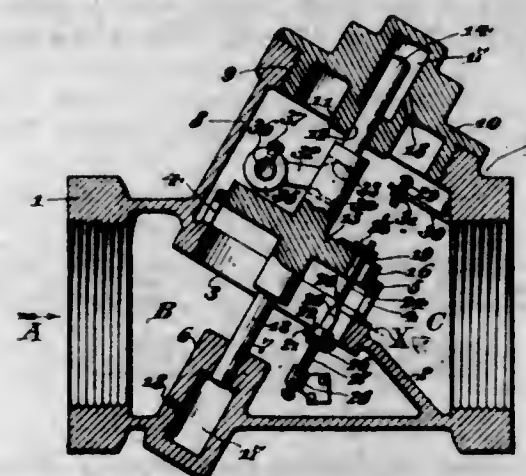


1. In apparatus of the class described, the combination of a container having top and bottom end walls, said top end wall being formed with an opening through it having a screw threaded inner wall, a bushing threaded into said opening, the inner wall of said bushing being threaded adjacent its inner and outer ends, a riser tube having screw threads at one end and threaded into the inner end of said bushing and extending therefrom longitudinally of the container, a separate bushing threaded to the outer end of said first mentioned bushing and a heating unit supported at one end in and extending through said separate bushing, said unit fitting within and extending longitudinally of said tube and forming therewith an annular circulation space.

1,737,835. FLOW-DETECTING SYSTEM. CARL H. EHLERS, Pottsville, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 10, 1925. Serial No. 49,478. 18 Claims. (Cl. 177-311.)

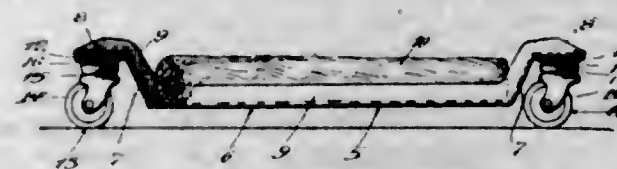
7. A system for indicating flow of a fluid comprising a body, a member biased in one direction to a position

closing a normal path of fluid through said body and movable under the influence of the fluid pressure in reverse direction to open said path, flow controlling means



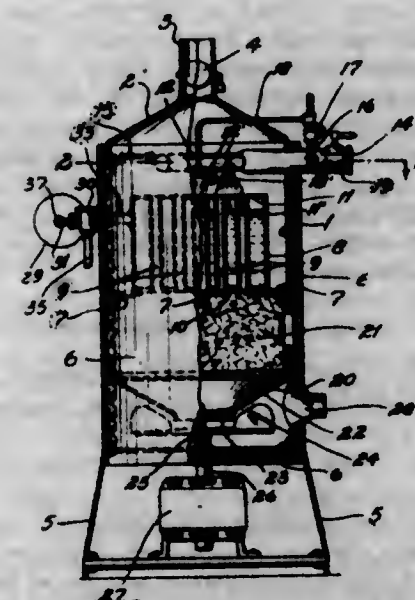
for effecting further movement of said member in said first named direction, and indicating mechanism actuated by said member upon further movement thereof in said direction.

1,737,836. KNEE CASTER. SJOENNE FIELD, Chicago, Ill. Filed July 14, 1928. Serial No. 292,633. 1 Claim. (Cl. 155-167.)



As a new article of manufacture, a knee caster comprising a sheet metal knee pad supporting member formed with a rectangular pad holding portion, the ends of which have upwardly bent portions forming end walls that terminate in outwardly bent horizontal portions and the side edge portions of the rectangular portion being bent up to form side flanges which extend from end to end of the supporting member, and caster wheels secured to said horizontal portions and supporting the pad supporting portion in close proximity to the surface upon which the device rests.

1,737,837. VAPOR GENERATOR. ERNEST F. FISHER, St. Louis, Mo., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed June 10, 1926. Serial No. 115,011. 2 Claims. (Cl. 60-45.)



1. A steam generator comprising a casing, a water container disposed within said casing, a plurality of flues

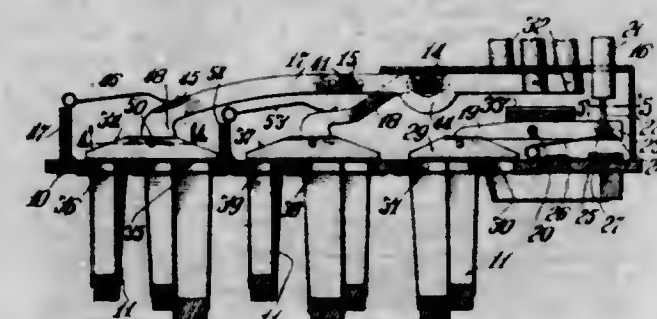
traversing the water container, a burner disposed above said container and arranged so that the flame therefrom will impinge on the water within the water container, said casing having an air inlet and an outlet for the steam and products of combustion, an exhaustor below the water container to draft the generated steam and products of combustion downwardly through the flues to said outlet, and means for supplying water to the container and maintaining a substantially constant level therein.

1,737,838. LUBRICANT-EXPELLING CUP. PERLEY H. FULLER, Auburn, Me., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill., a Corporation of Delaware. Filed Nov. 10, 1925. Serial No. 68,180. 1 Claim. (Cl. 184-45.)



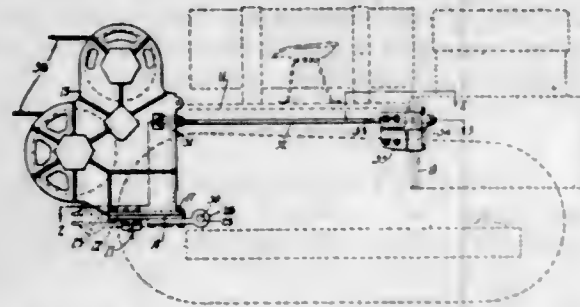
A lubricant cup comprising a reservoir having a cap and an outlet passage, a piston slidable in said reservoir, a conical helical spring tensioned between said cap and piston, a hollow piston rod having a quick detachable fitting on its exterior end, a valve chamber in communication with the outlet passage of the reservoir, a slide valve located in said chamber, said reservoir having a port in communication with the valve chamber at one side of said valve to permit lubricant to act on the valve in one direction, the bore of the valve chamber being of restricted diameter adjacent one end thereof to provide a shoulder at its junction with the enlarged bore, said shoulder acting as a stop for the valve in one direction of its movement to prevent total closure of the reservoir outlet, a spring for moving said valve in a direction away from said shoulder, and an adjustable stop in the other end of said valve chamber to limit the extent of movement of the valve under the influence of said spring.

1,737,839. CONCERTINA ACTION. OTTO GLASS, Chicago, Ill. Filed Apr. 6, 1928. Serial No. 267,916. 14 Claims. (Cl. 84-376.)



3. In an action for musical instruments of the concertina type, the combination with a pivot rod, of a plurality of key structures thereon comprising in each case a bar and a hub on one side face only of the bar which extends to and bears against the opposite side face of the adjacent bar on such pivot rod.

1,737,840. SUPPORT AND ANCHOR FOR TRACTOR HOISTS. SIDNEY B. GORRITT, Portland, Oreg., assignor, by mesne assignments, to Willamette-Ersted Company, Portland, Oreg. Filed Apr. 6, 1927. Serial No. 181,381. 1 Claim. (Cl. 180-53.)

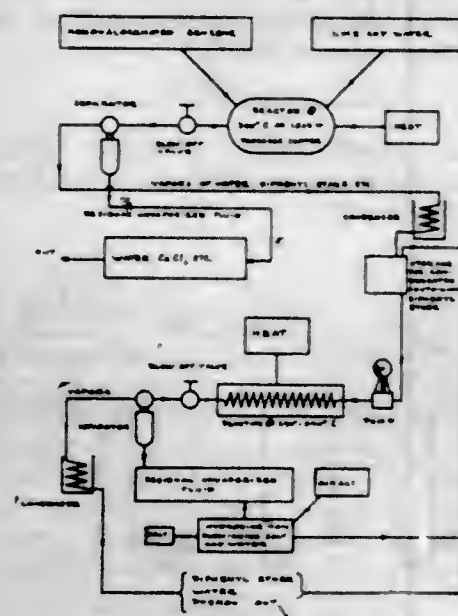


A support and anchor for tractor hoists having, in combination, a horizontal platform provided with hinged brackets at its forward side for supporting same from the rear axle of a tractor; an upright side frame secured to each side of said platform forming a support for cable drums; underslung transverse brace members across the under sides of said frames having its mid portion spaced from said platform; a slotted draw bar having its upper portion above said platform and its lower portion above said transverse brace, said draw bar having means for adjusting its lateral position with relation to said platform; and a pair of anchor rods for securing the upper ends of said side frames to the engine of said tractor, said side frames having means for securing same against lateral movement with relation to the transmission case of a tractor.

1,737,841. MANUFACTURE OF PHENOLS. WILLIAM J. HALE and EDGAR C. BRITTON, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Feb. 21, 1923. Serial No. 620,486. 6 Claims. (Cl. 260-154.)

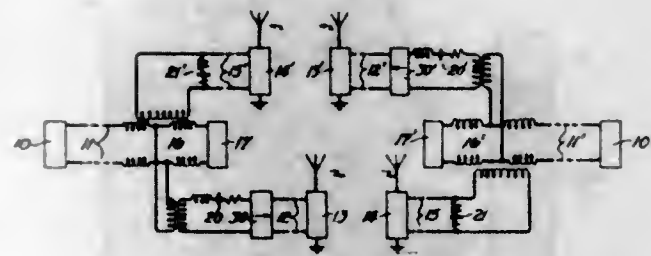
1. A process of the character described, which comprises heating diphenyl oxide under pressure in the presence of water and a hydrolytic catalyst salt of an alkali-forming metal.

1,737,842. METHOD OF MAKING PHENOLS. WILLIAM J. HALE and EDGAR C. BRITTON, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Sept. 23, 1927. Serial No. 221,468. 16 Claims. (Cl. 260-154.)



1. In a method of making a free hydroxy benzene derivative directly without acidification of the reaction product, the step which consists in subjecting to heat and pressure an aqueous mixture of the anhydride of such derivative and a salt of a strong base and weak acid.

1,737,843. WAVE-TRANSFERRING SYSTEM. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1924. Serial No. 755,531. Renewed Jan. 10, 1929. 16 Claims. (Cl. 250-9.)



1. The method of reducing the disturbing effect upon signaling waves of interfering waves, which comprises changing the frequency distribution of the energy of only the signaling waves, while maintaining the total energy of said altered waves at least as low as that of said signaling waves before said alteration, and subjecting the altered signaling waves and the interfering waves to distortion of such character as to give said altered signaling waves their original form and to reduce the energy level of the undistorted signals of which the interfering waves are an equivalent as regards apparent volume, by an amount greater than the reduction caused by the two changes in the energy level of said signals.

1,737,844. MEDICAMENT-DISPENSING CARTRIDGE. PAUL G. HEINEMAN and HENRY E. O. HEINEMAN, Chicago, Ill., assignors to Cook Laboratories, Inc., a Corporation of Delaware. Filed Jan. 20, 1927. Serial No. 163,639. 9 Claims. (Cl. 128-218.)

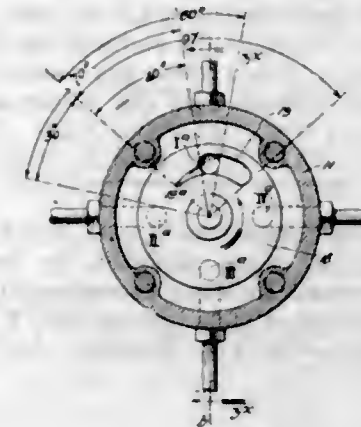


1. A medicament dispensing cartridge comprising, in combination, a straight tube of glass; a readily pierceable rubber composition plug inserted in and sealing one end of said tube and having an axial recess facing inwardly of the cartridge and also having an integral flange projecting radially to overlap the end of the glass tube; said plug being free from lubricants, whether coated thereon or impregnated therein; and another rubber composition plug initially sealing the opposite end of the cartridge and slidable through the tube; said slidable plug impregnated with paraffin in sufficient quantity to minimize sticking of the plug to the inside of the glass tube or such adherence of the plug to the glass tube as will cause a "sucking-back" action when pressure, put on the plug to dispense the medicament, is relieved.

1,737,845. INTERNAL-COMBUSTION ENGINE. CHARLES F. HEYWOOD, Detroit, Mich., assignor to Sky Specialties Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 11, 1927. Serial No. 198,255. 11 Claims. (Cl. 60-16.)

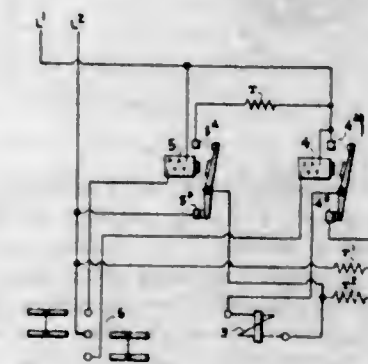
1. In means for starting multi-cylinder internal combustion engines, wherein compressed fluid is admitted to and is active in developing piston movement in the working cylinder of the cycle, a source of fluid supply, and connections between such source and individual cylinders of the engine, said connections including valve mechanism

for controlling the delivery and distribution of the fluid to the respective cylinders, and conduits leading from the valve mechanism to the cylinders individually with the mechanism having uniformly-spaced entrances to such conduits, each conduit having a check-valve adapted to be closed by cylinder pressure, said mechanism including a rotatable member operatively connected to move in synchronism with the engine crank shaft, said member hav-



ing a port adapted to be made active with the conduit entrances successively, said port having dimensions and a configuration such that fluid will be delivered to the working cylinder to provide power therein and that fluid will also be delivered to the cylinder next in firing order, the volume of fluid delivered to the working cylinder being materially greater than that delivered to the cylinder next in firing order.

1,737,846. CIRCUIT CONTROLLER FOR LIFTING MAGNETS. HOWARD E. HODGSON, Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc., a Corporation of Delaware. Filed Aug. 27, 1928. Serial No. 302,412. 4 Claims. (Cl. 175-335.)

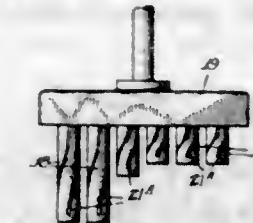


3. In combination, a winding, a plurality of resistors, two double throw switches, circuit connections whereby operation of one of said switches provides for connection of said winding to a supply source exclusive of said resistors and alternatively provides for interruption of such winding connection and for connection of one of said resistors in shunt with said winding and circuit connections whereby operation of the other of said switches provides for connection of said winding to its supply source for reverse polarity and alternatively provides for disconnection of said winding and establishment of a discharge circuit for said winding through another of said resistors and the other of said switches.

1,737,847. METHOD OF MAKING TERRA-COTTA ARTICLES. ADOLPH F. HOTTINGER, Chicago, Ill., assignor to The Northwestern Terra Cotta Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1927. Serial No. 223,542. 3 Claims. (Cl. 25-156.)

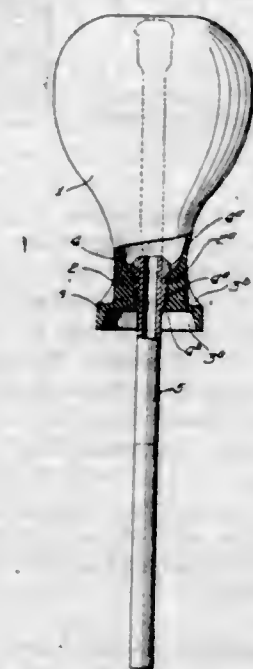
1. The method of making a terra cotta article which consists of applying plastic material to a mold and re-

moving portions of said plastic material to provide holes by simultaneously pressing open-ended hollow cylinders axially into said material while said material is in said mold, admitting air to the exterior of said cylinders to



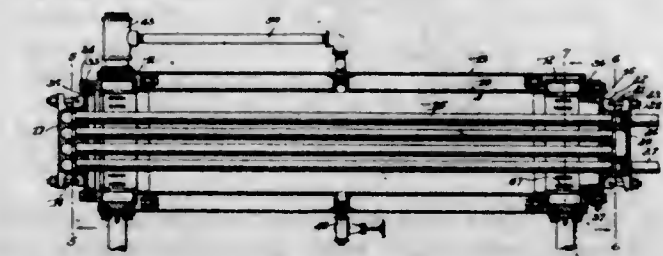
prevent the locking of said cylinders within said material, severing from the remainder of said material the columns of said material within said cylinders, and withdrawing said cylinders from said mold with portions of said material therein.

1,737,848. STORAGE-BATTERY LIQUID-LEAK DETECTOR AND FILLER. LESTER W. HULVA and GEORGE A. WILLIAMS, San Diego, Calif.; said Hulva assignor to said Williams. Filed June 10, 1927. Serial No. 197,988. 3 Claims. (Cl. 136-182.)



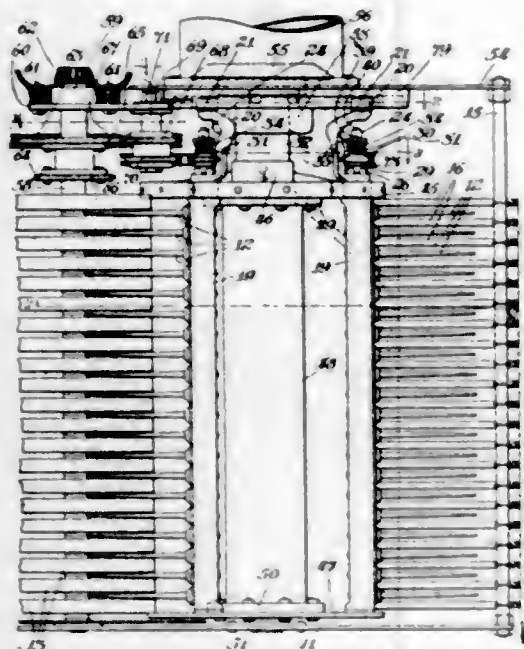
1. In a device of the class described, a bulb member provided with a constricted relatively thick wall throat portion near one end, an enlarged tapered recess mouth portion surrounding said constricted portion adapted to fit snugly the lug around the filler opening of a battery cell, a tubular member with a head portion adapted to fit tightly in the thick wall constricted portion of said bulb, and a main portion adapted to freely reciprocate in said constricted portion when said head portion is moved into the bulb from said constricted portion.

1,737,849. HEAT-TRANSFER APPARATUS. JENS N. JACOBSEN, Alameda, Calif., assignor to The Pfaunder Company, Rochester, N. Y., a Corporation of New York. Filed June 6, 1927. Serial No. 196,088. 12 Claims. (Cl. 257-240.)



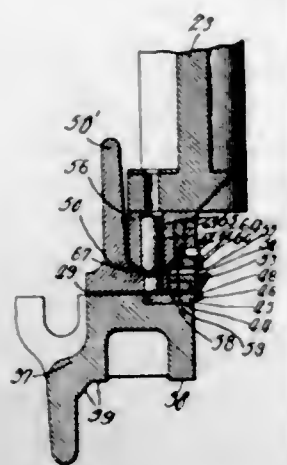
1. A heat transfer apparatus comprising a drum for receiving a fluid, conduit means communicating with the interior of said drum at spaced points, means for circulating a fluid through said drum and said conduit means, and means for giving the fluid a rotary motion in said drum.

1,737,850. COTTON PICKER. EDWARD A. JOHNSTON, DAVID B. BAKER, and CLARENCE R. HAGEN, Chicago, Ill., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 15, 1926. Serial No. 148,556. 5 Claims. (Cl. 56-47.)



1. In a machine for picking cotton, rotating picker stems adapted to be projected into the plant and withdrawn therefrom during the traverse of the machine along a row of plants, a plurality of independently movable picker bars for carrying the picker stems in separate vertical series, a picker bar carrier, means for operating the carrier to move the picker bars through an endless course gearing carried by the picker bars for rotating the picker stems, means operating independently of the speed of rotation of the carrier for positively imparting high speed rotation to the gearing, and an idling element for holding said last named means out of contact with a predetermined number of said gears at all times during the operation of the machine.

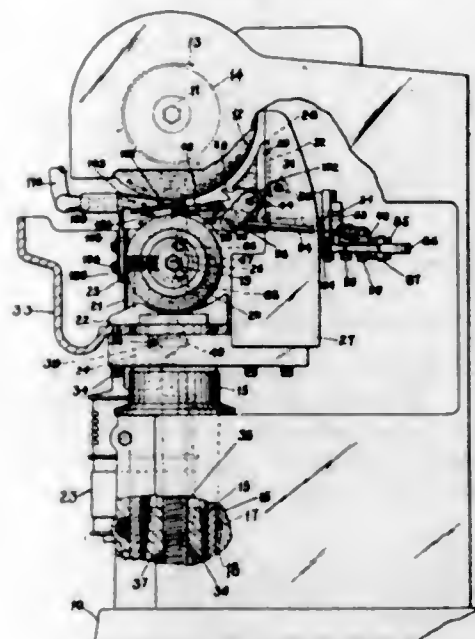
1,737,851. PERFORATING MACHINE. PETER A. JUUL, Chicago, Ill., assignor to Latham Machinery Company, a Corporation of Illinois. Filed Sept. 15, 1924. Serial No. 737,675. 2 Claims. (Cl. 164-90.)



1. A paper perforating machine, comprising a stationary frame, a reciprocable head, and a perforating unit connectible with said head and with said frame and constructed and arranged in a manner to permit of its assembly and disassembly from said head and frame as a unitary structure, said unit comprising a supplemental bed adapted for detachable connection with said frame, a die plate fixed in relation to said supplemental bed and

supported thereby, a stripper spaced from said die plate and being rigidly supported by the supplemental bed, a pin holder bar adapted for detachable connection with said reciprocable head, a pin holder carried by the bar and fixed in relation thereto, a plurality of spaced apart perforating pins carried by the pin holder and adapted to co-operate with corresponding perforations in said die plate, and means comprising a plurality of guide pins for holding said pin holder bar and said stripper in relative alignment when said unit is disconnected from said frame and said reciprocable head for the purpose of protecting said perforating pins and said die plate against injury, which might follow from any relative movement otherwise possible between said pin holder bar and said stripper.

1,737,852. CENTERLESS GRINDING MACHINE. FRED M. KERN, Detroit, Mich., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 1, 1926, Serial No. 98,954. Renewed Apr. 5, 1929. 8 Claims. (Cl. 51-103.)



1. A centerless grinding machine comprising a rapidly rotated grinding wheel, a slowly rotated work regulating wheel, a positioning member for maintaining work of round section in operative contact with the wheels, and means for moving said member in a direction substantially transversely of the axis of the work piece and in opposition to the thrust of the grinding wheel to cause the work to be ground to a predetermined size while being rotated by said regulating wheel and thereafter withdraw it to permit removal and replacement of the finished work.

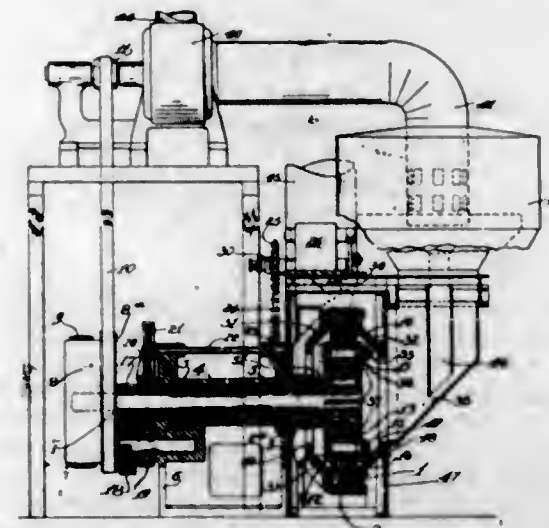
1,737,853. BINDER. PETER JOSEPH KRAEMER, Regina, Saskatchewan, Canada. Filed Oct. 23, 1925. Serial No. 64,449. 1 Claim. (Cl. 56-131.)



In a binder comprising a platform, elevator and binder table provided with longitudinal slots, endless chains op-

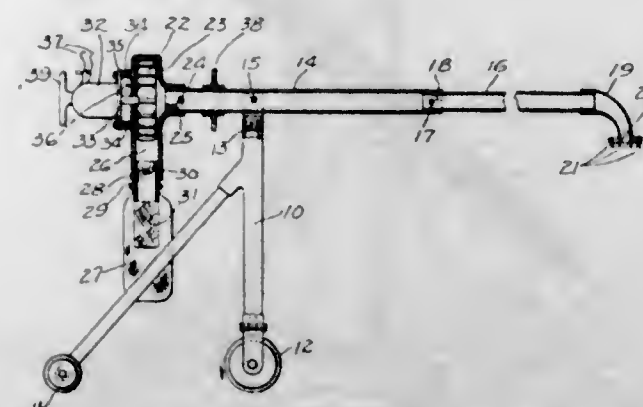
erating beneath said parts, spikes carried by each chain and operating through said slots, driving means for operating the chain beneath the binder table and including a train of gears, a pivoted lever having a looped extremity slidably mounted on the shaft of one of said gears, a movable needle arranged beneath the table and adapted to project upwardly through a slot therein, said lever being disposed in the path of movement of said needle and adapted to be engaged thereby to disconnect the last mentioned gear from the driving means, and thus automatically stop the endless chain of the binder table while the bundle is being tied.

1,737,854. CENTRIFUGAL PULVERIZER. OTTO A. KREUTZBERG, Lake Bluff, Ill. Filed June 7, 1923. Serial No. 643,849. 1 Claim. (Cl. 83-9.)



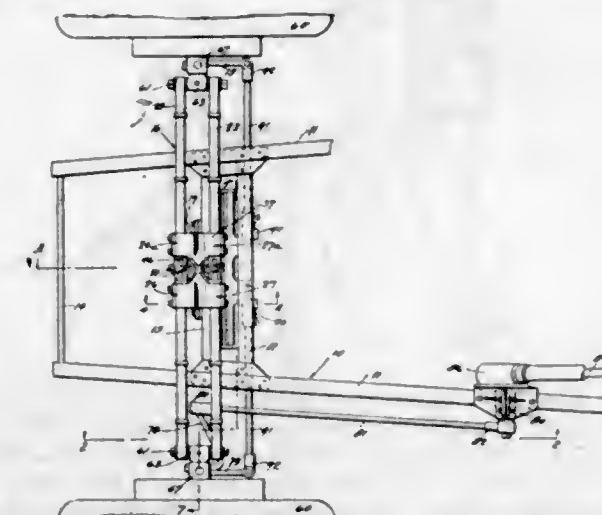
In a pulverizer having rotary crushing elements, a fixed casing therefor provided with an air inlet opening and a centrally disposed outlet opening at one side of the plane of revolution of said elements, means for creating suction at said outlet opening to carry off the pulverized material, and an air separator connected by an upwardly directed passage from said outlet, including an inclined wall extending upwardly from the lower side of the outlet to serve as a chute for feeding back coarse material dropping out of the air current or returned by the separator, said separator having a return conduit extending downwardly through said passage for discharging toward the inclined wall.

1,737,855. CLEANING DEVICE. ALBERT S. KUX, Chicago, Ill. Filed Nov. 25, 1925. Serial No. 71,282. 3 Claims. (Cl. 15-7.)



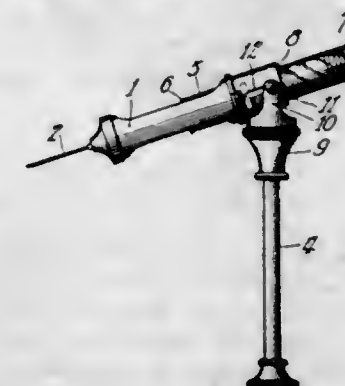
1. A portable cleaning apparatus for bakers' ovens embodying a supporting structure, a tubular element mounted thereupon for swinging movement on an upright axis and also about a horizontal pivot with respect to the support, a suction nozzle at one end of said element, and a suction creating device at the other end of said element for creating a suction therein.

1,737,856. STEERING MECHANISM FOR SPRING-SUPPORTED VEHICLES. OSCAR F. LUNDelius and MELVIN N. LEFLER, Los Angeles, Calif., assignors to Lundelius & Eccleston Motors Corporation, Las Vegas, Nev., a Corporation of Delaware. Filed Dec. 13, 1926. Serial No. 154,384. 2 Claims. (Cl. 280-95.)



1. In combination, a vehicle frame, a suspension member extending crosswise of the frame, a plurality of springs arranged transversely of the longitudinal axis of the frame, means applying said springs intermediate their ends to said suspension member, a pair of wheel-supporting members connected one each to the opposite ends of the springs, a pair of wheels connected one each to said supporting members through steering knuckles, a block supported by said suspension member for bodily sliding movement transversely of said axis, a pair of rods extending oppositely from the block, one to each of the wheel-supporting members, and pivotal connections between the rods and wheel-supporting members whereby said rods are adapted to move pivotally in substantial conformance with flexures of the springs.

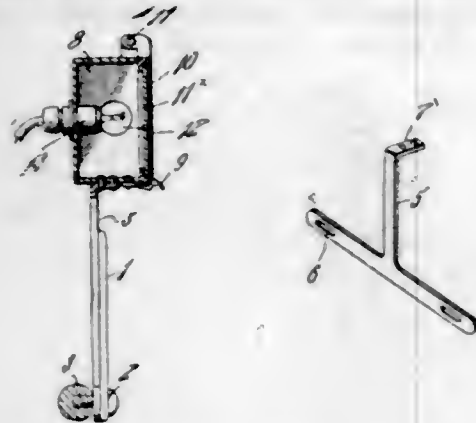
1,737,857. HYPODERMIC SYRINGE. JOHN MACGREGOR, Chicago, Ill., assignor to Cook Laboratories, Inc., Chicago, Ill., a Corporation of Delaware. Filed May 17, 1924. Serial No. 713,904. Renewed Dec. 15, 1927. 15 Claims. (Cl. 128-218.)



1. A hypodermic syringe comprising, a combination, a barrel; a head closing one end of said barrel; and means connecting the head to the barrel comprising a pair of oppositely disposed arms extending from the head and embracing the adjacent end of the barrel, a projection extending inwardly from each arm, and a pair of like bayonet slots in the barrel slidably receiving the respective projections.

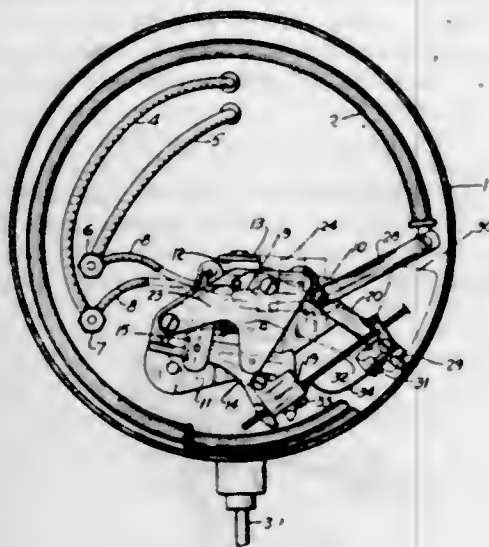
15. A hypodermic syringe comprising a needle-carrying sleeve adapted to embrace one end of a medicine package, a plunger, carrying member adapted to engage the opposite end of such package, and tie-members extending from one of the aforesaid members and having pivotal and sliding connection with the other of said end members, whereby the members are adapted to be displaced for receiving a medicine package and then to be locked in assembled position with such package.

1,737,858. ILLUMINATED NAME-SIGN FOR AUTOMOBILES. NELSON MARTIN, Bowling Green, Ky. Filed Oct. 31, 1924. Serial No. 747,078. 1 Claim. (Cl. 40—131.)



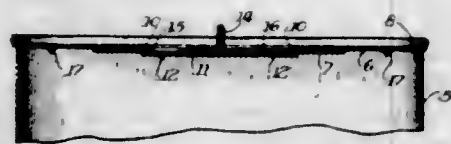
A holder for automobile license plates comprising a horizontally disposed flat bar having elongated slots near each end for the passage of attaching devices and adapted to have a license plate attached thereto, a vertically disposed flat bar rising centrally from the horizontal bar and adapted to be positioned at the rear of said license plate, and a horizontally disposed arm extending forwardly from the top of the vertically disposed bar and having apertures therein for the passage of fastening devices and adapted to support a lamp housing above and forward of a license plate.

1,737,859. SAFETY PRESSURE-ACTUATED SWITCH. IRA E. McCABE, Chicago, Ill. Filed July 9, 1925. Serial No. 42,405. 10 Claims. (Cl. 200—81.)



1. An electrical safety control switch including a movable member for closing the circuit therethrough, an expansible and contractable prime mover for operating said movable member to close and break the circuit actuated by external conditions, and means operable after the circuit has been closed upon further actuation of the prime mover in the same direction to break the circuit.

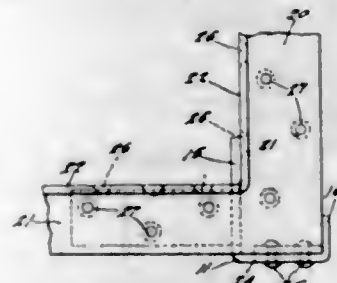
1,737,860. CLOSURE. WALLACE C. MILLS, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a Corporation of Illinois. Filed Nov. 7, 1927. Serial No. 231,627. 3 Claims. (Cl. 221—62.)



1. A receptacle closure comprising a wall having two parallel slits formed therein and the metal between said

slits offset downwardly from the plane of said wall, said wall having a single discharge opening formed in said offset portion, and a slide member having its opposite ends passing through said slits and having pouring and sifter openings formed in spaced relation therein so as to be movable selectively into registry with said discharge opening.

1,737,861. MEANS FOR JOINING FRAME MEMBERS OF VEHICLE BODIES. MARVIN W. MOESTA, Detroit, Mich., assignor to The Murray Corporation of America, a Corporation of Michigan. Filed Aug. 12, 1927. Serial No. 212,379. 2 Claims. (Cl. 296—121.)



1. In a vehicle body a joint support for longitudinal and transverse roof rails comprising the combination of an upright metal pillar member of channel shape in cross section and having one channel side bent adjacent the top thereof and forming a horizontal support, a metal bracket comprising a flat base portion extending along two sides of an angle, integral vertical flanges formed on and extending upwardly from the inner edge of said base portion, and an integral depending flange adjacent the outer corner of said base, said bracket base being secured to the horizontal support on said pillar member and said depending flange on said bracket being secured to the channel bottom of said pillar member.

1,737,862. WRITING DEVICE. HOWARD I. MORRIS, Lakewood, Ohio, assignor to The Yoder Pencil Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Dec. 29, 1921. Serial No. 525,585. Divided and this application filed Nov. 17, 1924. Serial No. 750,277. 15 Claims. (Cl. 120—17.)



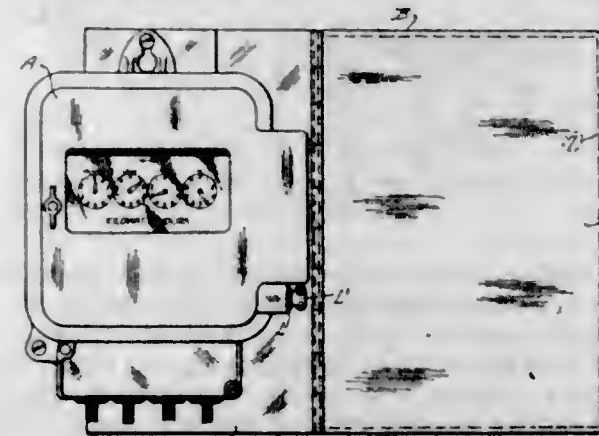
7. In a pencil, the combination of a hollow body adapted to support a lead with its outer end projecting from one end thereof, a feed member engaging the lead, a coiled spring acting on said feed member to move it longitudinally of said body, means for controlling the movement of said feed member, and a tubular member mounted in the upper ends of said body and disposed within said coiled spring for holding extra leads.

11. In a pencil, the combination with the casing thereof having an opening therein at the writing end of the pencil; of a marking rod projecting through said opening; and

mechanism governed by the object being written upon for feeding the marking rod, said feeding mechanism being operable to feed the rod while it contacts with said object.

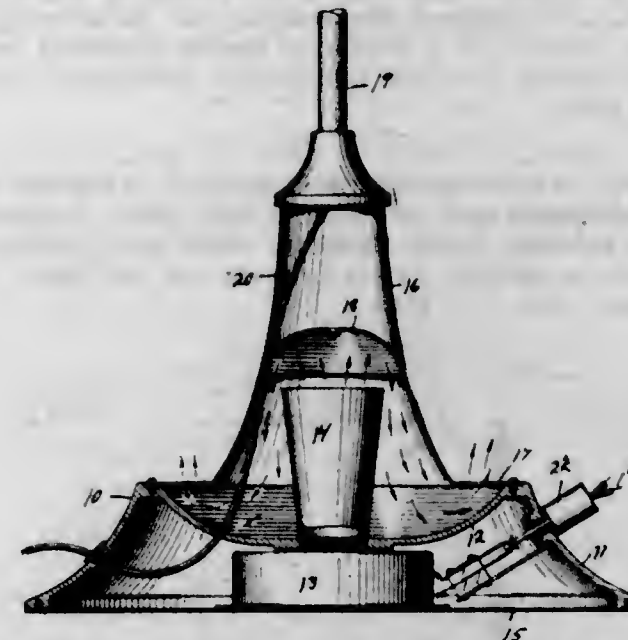
14. In a pencil, the combination of a body, a pair of relatively movable elements movably supported in said body and projecting from one end thereof for substantially simultaneous engagement with a surface, one of said elements comprising a section of lead and the other element comprising a tube through which the lead extends, and means operable by the movement of said tube relative to said lead for feeding the latter outwardly.

1,737,863. BILL-PRODUCING APPARATUS FOR METERS. JOHN J. NOONAN, St. Louis, Mo. Filed Dec. 9, 1927. Serial No. 238,970. 24 Claims. (Cl. 234—34.)



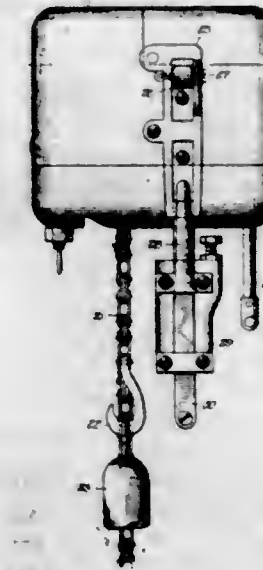
1. A bill producing apparatus for meters, comprising a device for marking a bill sheet, a locating mechanism for producing relative movement between said marking device and bill sheet so as to arrange the marking device in a certain relationship with the bill sheet, and a governor operated by the meter that controls the degree of movement of said locating mechanism and which is combined with the same in such a manner that said mechanism does not impose a load on the meter when the meter is in operation during the period for which the bill is to be rendered.

1,737,864. LOUD-SPEAKER. HERMAN PERLA and LOUIS BARON, Brooklyn, N. Y. Filed Jan. 8, 1926. Serial No. 79,915. 6 Claims. (Cl. 181—27.)



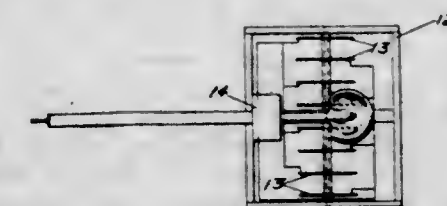
1. In combination a loud speaker unit having a horn, the axis of which extends in a vertical direction, a sound deflector opposite to and spaced from the end of said horn, a pedestal above said unit and said horn and means supporting said pedestal and enclosing said loud speaker unit.

1,737,865. METAL FEEDER. CLIFFORD W. REAGAN, Champaign, Ill. Filed Feb. 8, 1926. Serial No. 86,689. 7 Claims. (Cl. 22—80.)



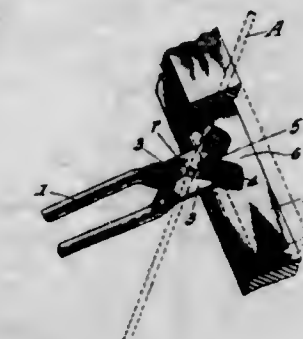
1. The combination with a charge feeder for type-casting machines having feed means for regulating the feed of the charge to the melting pot and float governed regulating means for controlling operation of the feed means, of a stabilizing device effective on the feed means independently of the control means to resist feeding movement of the charge.

1,737,866. METHOD OF AND APPARATUS FOR THE PRACTICE OF AGRICULTURE. HAMILTON L. ROE, Pittsburgh, Pa. Filed Oct. 10, 1923. Serial No. 667,641. 12 Claims. (Cl. 175—311.)



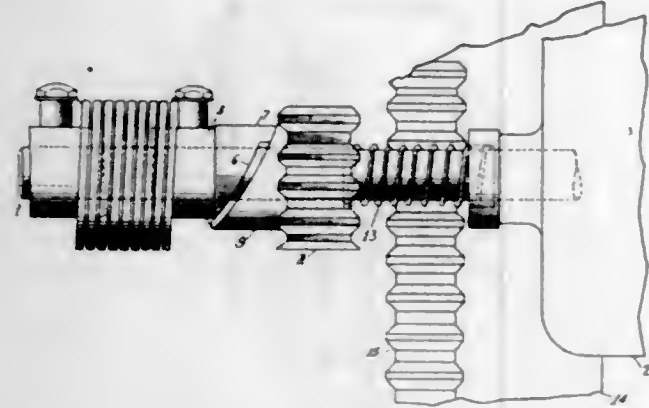
1. The process of treating soil which consists in loosening the soil while discharging high frequency currents therethrough below the surface.

1,737,867. ARTICLE OF MANUFACTURE. WILLIAM H. SOMMER, Peoria, Ill. Substitute for application Serial No. 241,255, filed Dec. 19, 1927. This application filed Apr. 4, 1929. Serial No. 352,593. 4 Claims. (Cl. 91—59.4.)



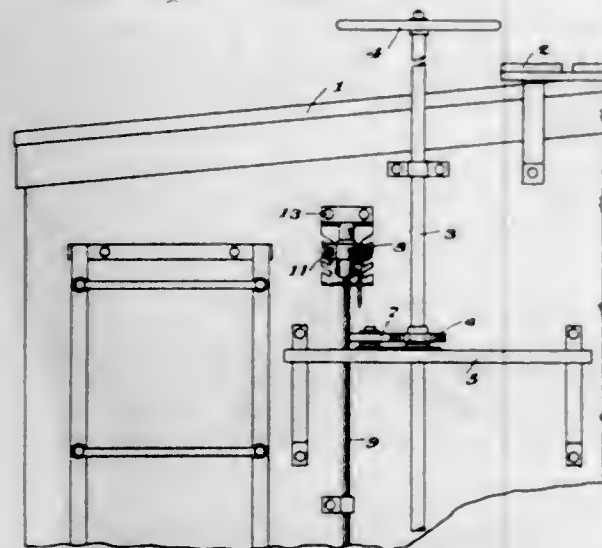
1. An article of manufacture for use as a "skimmer" in the coating of wire comprising a resilient member bent back on itself and having terminals, the adjacent meeting portions of which have complementary notches uniting to provide a wire guiding opening.

1,737,868. STARTING MECHANISM. HARRY G. STEINMETZ and HERBERT P. ECK, Port Chester, N. Y. Filed Feb. 7, 1928. Serial No. 252,476. 1 Claim. (Cl. 74-7.)



In apparatus of the character described, a shaft; an electric motor for driving said shaft; a driven gear; a collar fixed to said shaft; a spring fixed to said collar and encircling a portion of said shaft; a movable cylindrical member about said shaft attached to the other end of said spring, said member having cams and stops thereon on only one end face thereof, said stops protruding from the end face only and not from the cylindrical periphery of the member; an abutment; a driving gear on said shaft; a spring, under compression only, having its ends in recesses in said abutment and in an end face of said driving gear; a hub protruding from the other end face of said gear; cams and stops on the end face of said hub, cooperating with the aforementioned cams and stops, said stops on said hub also projecting from the end face only thereof and not from the cylindrical periphery of the hub, whereby when said motor rotates said shaft, the stops on the movable cylindrical member ride on the cam surfaces on the end face of the driving gear hub, and the stops on the end face of the driving gear hub ride on the cam faces on the end of said movable cylindrical member until said gears fully engage, at which time the stops cooperate to rotate said driving gear; said driving gear being flipped back to its disengaged position when said driven gear attains a predetermined speed, and being retained in that position when the electric motor ceases to rotate said shaft by said spring under compression.

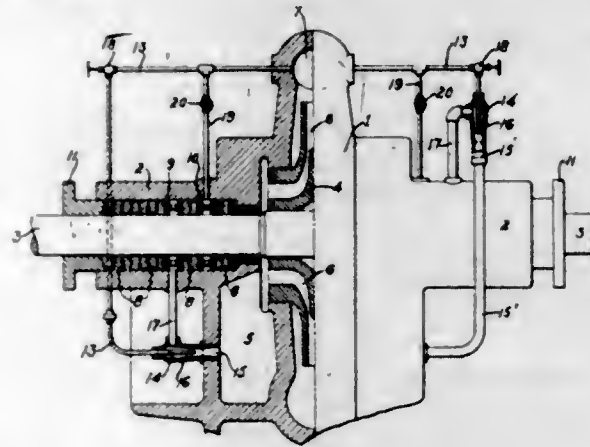
1,737,869. RETAINING-VALVE BRACKET. STEADMAN O. TAYLOR, St. Louis, Mo. Filed Jan. 22, 1927. Serial No. 162,906. 8 Claims. (Cl. 303-1.)



1. In a railway car, the combination of a retaining valve holder having a plurality of pairs of oppositely disposed slots in vertical alignment in the opposite side margins

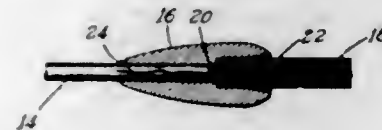
thereof, a retaining valve having spaced apart apertures, and bolts passing through said apertures and the adjacent ends of one of said pairs of slots to secure said valve to said bracket whereby vertical adjustment of the retaining valve is obtained.

1,737,870. PUMP. ARCHIBALD S. TELFER, Tulsa, Okla. Filed June 5, 1924. Serial No. 718,138. 1 Claim. (Cl. 103-262.)



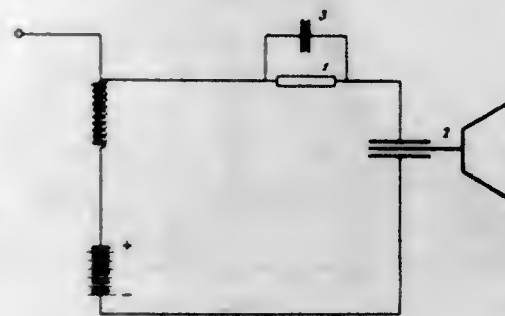
In a device of the character described, an ejector comprising a unitary housing, a nozzle surrounded by said housing to discharge fluid under pressure therein, said unitary housing having an opening at one end tightly fitting and firmly holding said nozzle, a restricted discharge opening at the opposite end, a delivery conduit flaring from said discharge opening and an inlet at one side of the nozzle for the admission of fluid around said nozzle.

1,737,871. ARCHERY GAME. ANNE B. VAUGHAN, Glens Falls, N. Y., assignor to Morrison Brushes, Inc., Glens Falls, N. Y., a Corporation of New York. Filed Mar. 21, 1929. Serial No. 348,767. 6 Claims. (Cl. 273-106.5.)



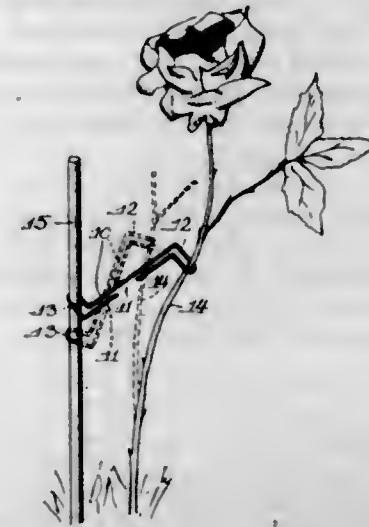
1. In an archery game, the combination of a target having a face composed of bristles, with an arrow having a head with a cylindrical bore merging into an outwardly flaring opening and a bundle of bristles projecting out of said opening and being substantially unconfined by its flaring sides.

1,737,872. ARRANGEMENT TO PROTECT CAPACITIVE LOUD-SPEAKERS AGAINST PUNCTURE. MANFRED VON ARDENNE, Berlin, Germany. Filed Apr. 28, 1928, Serial No. 273,633, and in Germany Apr. 28, 1927. 4 Claims. (Cl. 179-111.)



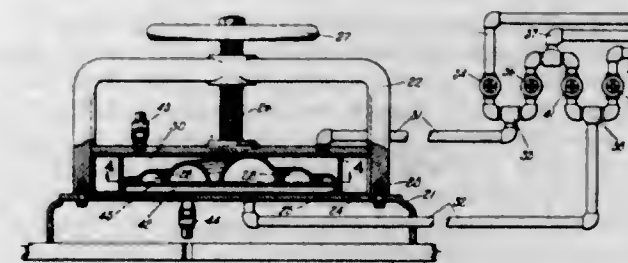
1. Means for protecting capacitive loud-speakers against breakdown, comprising a high ohmic resistance and a condenser shunted across said resistance in an input lead of said loudspeaker.

1,737,873. PLANT-SUPPORTING CLIP. JOHN W. BAUER, Naperville, Ill. Filed Oct. 19, 1927. Serial No. 227,134. 7 Claims. (Cl. 47-47.)



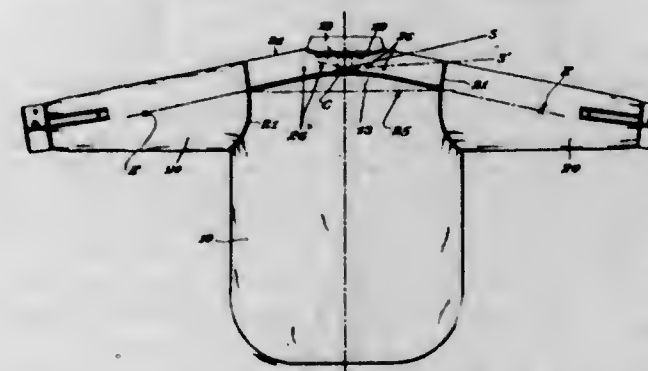
2. A clip for holding the stem of a growing plant, said clip being formed from a single piece of material shaped to form an elongated loop, a portion of one side being removed to form an entrance opening of considerable size, the extremities of the loop remote from said entrance opening being deflected laterally with respect to the body and on opposite sides thereof.

1,737,874. METHOD OF FORMING CELLULOID ARTICLES. VERN W. BUSCH, South Bend, Ind. Filed July 5, 1928. Serial No. 290,634. 5 Claims. (Cl. 18-56.)



2. The method of shaping a celluloid article consisting in clamping a celluloid sheet across a mold cavity, rendering said sheet plastic by passing steam against both sides of the same, and in drawing said sheet into said cavity by exhausting the air therein while maintaining the steam on the opposite side of said sheet.

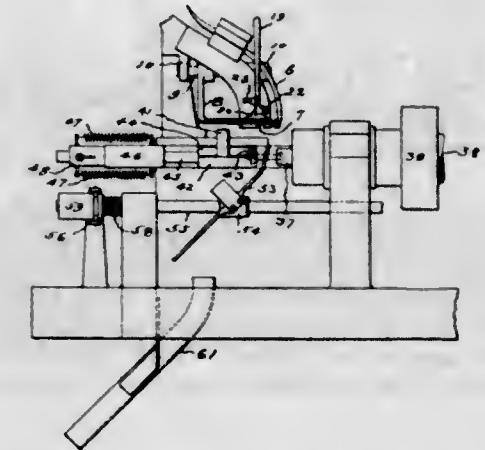
1,737,875. SHIRT. JOHN W. CHAMPION, Evanston, Ill., assignor to Reliance Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 28, 1928. Serial No. 308,936. 6 Claims. (Cl. 2-122.)



1. The combination with a shirt having a back piece and separate sleeves, of a yoke seamed to the back piece by stitching along the rearward edge of the yoke, the rearward edge of the yoke being conformed as substantially

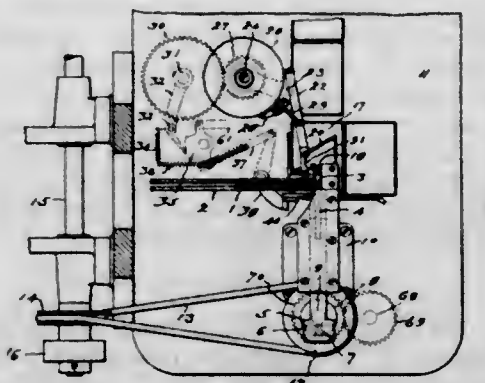
a continuous curve from one sleeve to the opposite sleeve with a high point at the center of the back, said curve being such that on each side of the center line of the back the curve, throughout the major portion of its length, extends substantially along a line directed from the opposite shoulder to the elbow point of the sleeve.

1,737,876. MACHINE FOR APPLYING NUTS TO SCREWS, BOLTS, AND STUDS. REUBEN S. CROSBY and FRANK E. NEWTON, Hartford, Conn.; said Crosby assignor to said Newton. Filed Aug. 31, 1928. Serial No. 303,184. 4 Claims. (Cl. 10-155.)



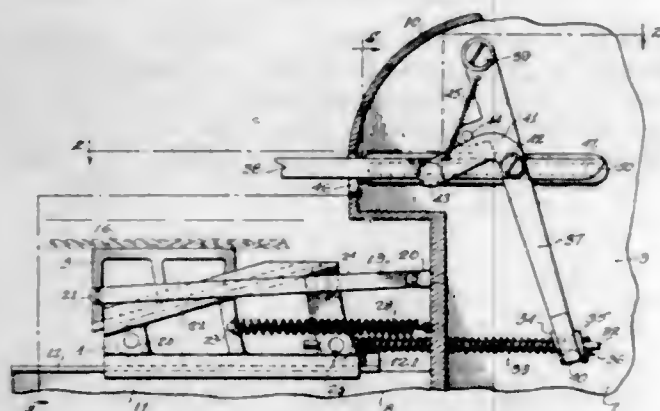
3. In a machine for applying nuts to screws the combination with a chuck for receiving and rotating a screw and a carrier for presenting a nut to a screw held by the chuck, of a runway comprised of fingers adapted to embrace a screw held by the chuck, said fingers being spaced a greater distance than the diameter of the screw shaft but less than the diameter of the nut, a shaft supporting said runway, and means for reciprocating said shaft.

1,737,877. MACHINE FOR COUNTING AND PACKAGING ARTICLES. REUBEN S. CROSBY and FRANK E. NEWTON, Hartford, Conn.; said Crosby assignor to said Newton. Filed Oct. 10, 1928. Serial No. 311,616. 17 Claims. (Cl. 226-2.)



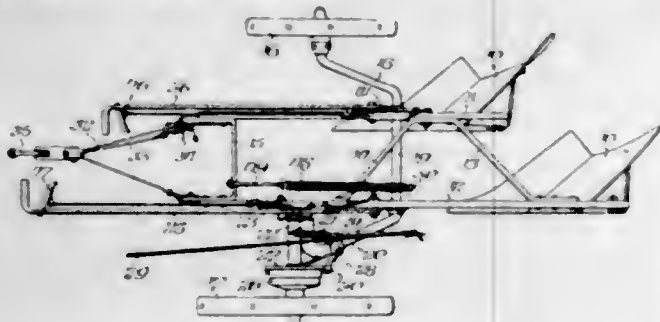
1. A machine for counting and packaging articles comprising mechanism for feeding the articles to be counted, a counting finger projecting into the path of the fed articles, counting mechanism actuated by the movements of the counting finger, a trip moved by the movements of the counting mechanism, a latch engaged by said trip after a predetermined number of movements of the counting mechanism, control means engaged and retained by said latch, a spring for throwing said control means when released from the latch, and a gate connected with and moved by the control means to interrupt the feed of articles when the control means is thrown by said spring.

1,737,878. ADJUSTABLE PLATEN FOR ADDRESSING MACHINES. PAUL A. GOLLNICK, CLIFFORD E. IVES, FRANK W. BRODERICK, and FRED C. AREY, Chicago, Ill., assignors, by mesne assignments, to Selectograph Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1928. Serial No. 320,110. 16 Claims. (Cl. 101-407.)



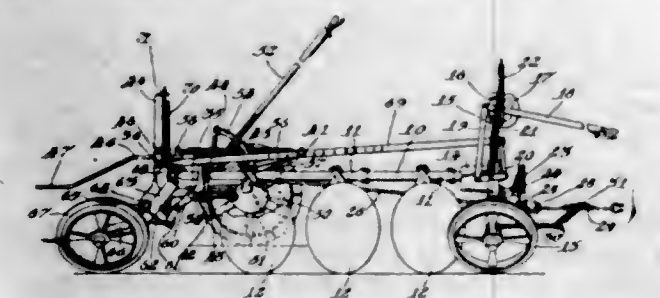
1. A device of the class described comprising a movable platen, means for positively supporting said platen in any position of its stroke, said means being reciprocable in a straight line movement and being adapted to adjust said platen, mechanism for actuating said means, and a yielding connection between said supporting means and said mechanism to permit a variable movement of said platen.

1,737,879. FURROW-WHEEL ADJUSTMENT FOR PLOWS. WILLIAM S. GRAHAM, Canton, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed July 30, 1926. Serial No. 125,896. 8 Claims. (Cl. 97-103.)



1. In a wheel plow, a plow bottom, a plow frame, supporting wheels, a cranked axle connecting said wheels and supporting said frame and plow bottom, said axle having an intermediate portion journaled transversely of the frame, and means for vertically adjusting one side of said frame relative to said axle, said means comprising a lever journaling the axle, a link pivotally connecting the lever and the frame and a sector forming a second link between the lever and the frame and having detent means for holding said lever in a desired position.

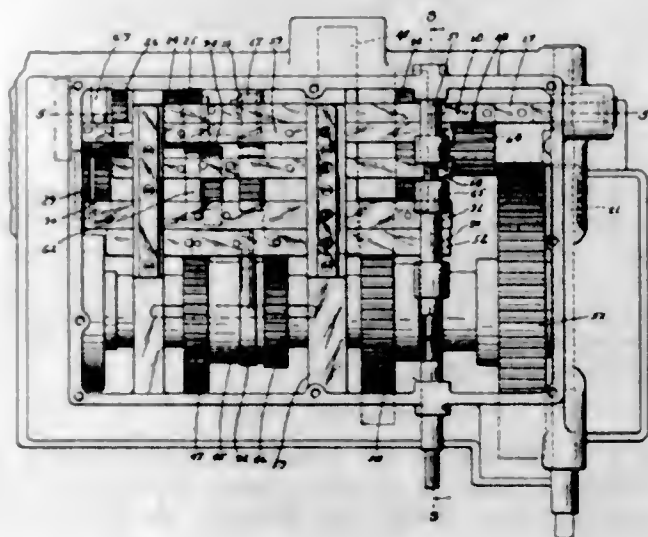
1,737,880. GANG PLOW. WILLIAM S. GRAHAM, Canton, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Sept. 27, 1928. Serial No. 308,735. 7 Claims. (Cl. 97-103.)



1. In a gang plow, the combination with an elongated plow carrying beam, of a rear end support therefor com-

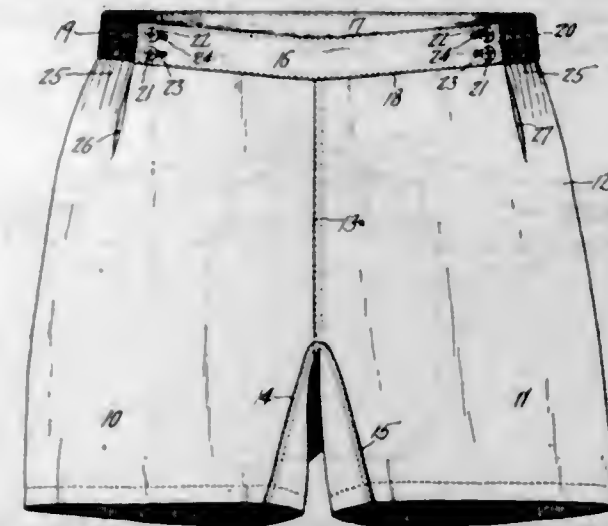
prising a crosspiece secured to the beam, an axle journaled on the crosspiece and extending transversely of the beam, means for rocking the axle on the crosspiece in the direction of its length, a land wheel on one end of the axle, a furrow wheel connected to the crosspiece by vertically adjustable connecting means, and a connection between the axle and said adjustable means whereby adjustment of the furrow wheel is effected by said rocking of the axle.

1,737,881. CHANGE-GEAR MECHANISM. WILLIAM F. GROENE, Cincinnati, Ohio, assignor, by mesne assignments, to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a Corporation of Delaware. Filed Jan. 12, 1922. Serial No. 528,603. 10 Claims. (Cl. 74-58.)



1. In a change gear mechanism the combination of a drive shaft, gears fixedly mounted on the drive shaft, gears splined on the drive shaft, an idler shaft, gears fixed on the idler shaft adapted to engage the gears splined on the drive shaft, gears splined on the idler shaft adapted to engage the fixed gears on the drive shaft, a spindle extending in substantial parallelism with the drive and idler shafts, gears fixed on the spindle, gears splined on the spindle, a supplementary shaft, gears splined on the supplemental shaft adapted to engage the gears fixed upon the spindle, an internal gear upon the supplemental shaft, gears and a pinion actuated by the idler shaft, the pinion engaging the internal gear and the gears being adapted to engage the gears splined upon the spindle, and means to selectively actuate the splined gears.

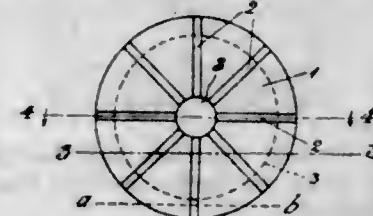
1,737,882. GARMENT. NATHAN HATCH, Albany, N. Y. Filed Feb. 2, 1928. Serial No. 251,323. 2 Claims. (Cl. 2-227.)



1. Trunks of the type described having leg portions and parts covering, and extending above, the hips, said trunks

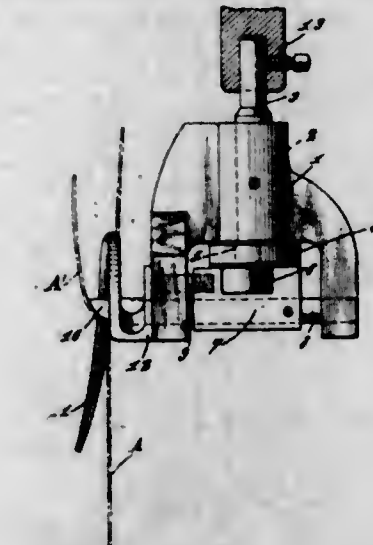
having a short, vertical closure on each side immediately in front, and at the upper edges, of the hip portions, said trunks extending uninterruptedly and unbrokenly at the front and rear from the closure on one side to the closure on the other side, a waistband, said waistband having a front section extending integrally from one of said slits to the other, a rear waistband section extending integrally at the rear of said trunks, elastic portions secured one to each end of said rear section, means for detachably securing the front edges of said elastic portions to the rear portions of said front section, said trunks being smoothly secured to said front and rear sections and being secured to said elastic portions in gathers to permit expansion and contraction.

1,737,883. DIAPHRAGM ESPECIALLY FOR SOUND RECEIVING AND RADIATING APPARATUS. HEINRICH HICHT, Kiel, Germany, assignor to Signal Gesellschaft mit beschränkter Haftung, a Firm of Kiel, Germany. Filed Feb. 9, 1925. Serial No. 7,982, and in Germany Feb. 20, 1924. 8 Claims. (Cl. 181-32.)



1. In an oscillatory diaphragm, stiffening ribs and a thick rim portion to which said stiffening ribs are rigidly attached.

1,737,884. SHEET-METAL-CUTTER ATTACHMENT FOR ELECTRIC MOTORS. ANDREW HENDALL, Morris, Ill. Filed Sept. 1, 1928. Serial No. 303,471. 2 Claims. (Cl. 164-47.)

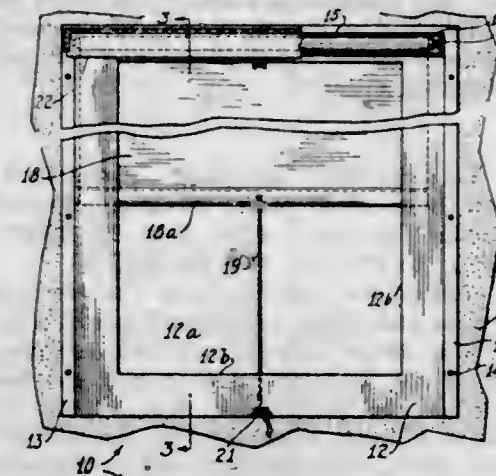


1. A device of the class described comprising a body, a reciprocating member supported thereby, means for reciprocating the member, a cutting member on the end of the reciprocating member and a curved blade attached to the body and against the cutting edge of which the cutting member forces the material to be cut during the reciprocating movement of said cutting member, said blade extending substantially at right angles to the line of movement of the reciprocating member and curving outwardly whereby a sheet of metal can be placed between the blade and the reciprocating member to cause said member to press the sheet against the blade to cut the same.

1,737,885. LIGHTPROOF WINDOW CLOSURE. MAX HIRSCHMAN, New York, N. Y. Filed Jan. 21, 1927. Serial No. 162,628. 2 Claims. (Cl. 156-26.)

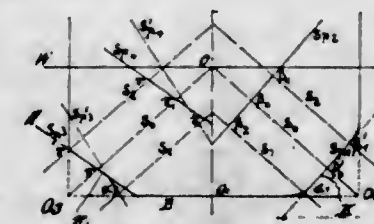
1. A device of the character described adapted to be fitted over a window opening, comprising a frame formed

of sheet material having a central opening, side flanges extending longitudinally from opposite sides of said frame adapted to receive fastening means for securing the device in position over said window opening, a casing extending across one end of said frame between said flanges, said



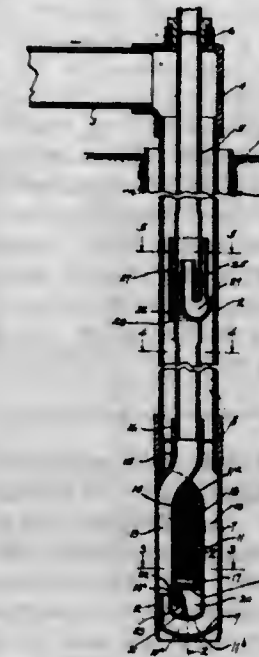
casing adapted to support a spring roller therein, and a removable cover for said casing, said frame being formed with inwardly projecting spaced flanges adapted to receive edge portions of a curtain for regulating the amount of light passing through said device.

1,737,886. HULL CONSTRUCTION. HANS KARL KLOESS, Hamburg, Germany. Filed Sept. 10, 1927. Serial No. 218,678, and in Germany May 21, 1927. 1 Claim. (Cl. 114-56.)



In the hull construction of a sea-vessel, the combination of groups of frames parallel to each other as to each group, the frames included in the group at the bow of the vessel being inclined relative to the horizontal at a larger angle than the frames included in the group at the stern of the vessel.

1,737,887. EJECTOR PUMP. HENRY J. KROSCOV, Milwaukee, Wis. Filed Mar. 5, 1927. Serial No. 172,952. 6 Claims. (Cl. 103-261.)



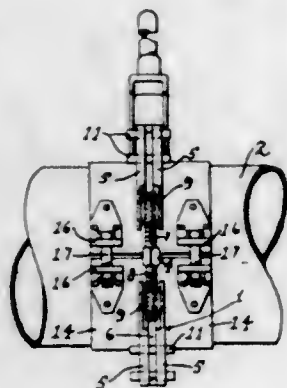
1. A well pump of the character described comprising a pressure conduit, a flow line extending therethrough,

a pump casing connected to the lower end of the pressure conduit, a jet in said pump casing receiving the pressure from said pressure conduit, a discharge passage in said pump casing receiving the jet and connected with the flow line, and a booster jet arranged in the flow line above the pump casing, and comprising a collecting sleeve surrounding the flow line and located in the pressure conduit, and a nozzle positioned within the flow line and communicating with the collecting sleeve.

1,737,888. TREATMENT OF ORES. DONALD H. MCINTOSH, Salt Lake City, Utah, assignor of one-half to George Leslie Oldright. Filed Dec. 24, 1926. Serial No. 156,987. 14 Claims. (Cl. 75-17.)

14. The process for concentrating tin ore containing sulphide of iron and other contaminants, which comprises heating the ore under substantially non-oxidizing conditions, leaching the resulting product with sulphuric acid whereby soluble iron sulphide is removed and hydrogen sulphide gas is evolved, subjecting the leached residue to an oxidizing roast, leaching the roasted material with acidulated brine to remove soluble contaminants, and utilizing the hydrogen sulphide evolved during the dissolution of iron sulphide as a precipitating agent in the process.

1,737,889. PIPE-CUTTING APPARATUS AND METHOD. CHARLES C. MCKNIGHT, La Mirada, and FRANK H. KOCH, Los Angeles, Calif. Filed July 27, 1926. Serial No. 125,185. 11 Claims. (Cl. 81-189.)

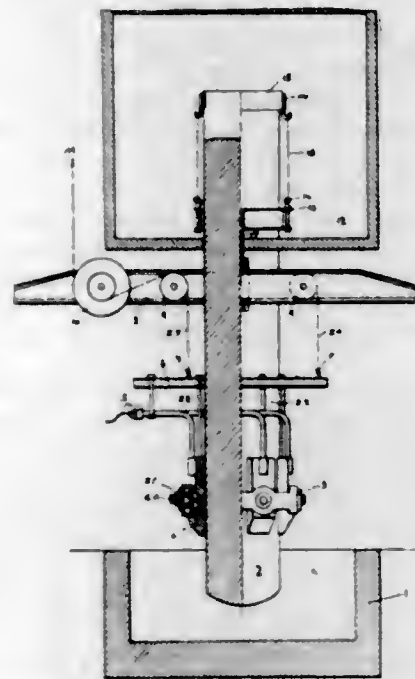


1. In a pipe-cutting apparatus, the combination of a cutter frame comprising detachable sections capable of embracing the pipe, cutters with tapered cutting edges, carried by the sections, a pair of detachable guide bands constructed to be removably secured on the pipe on each side of the cutters, said cutter frame having ratchet means to cooperate with a ratchet device to rotate the cutter frame and form a guide cut in the pipe, a ratchet frame, with detachable sections capable of being set around the pipe after the guide bands have been removed, a handle carried by the ratchet frame, and a pawl carried by the ratchet frame cooperating with the ratchet means on the cutter frame for rotating the same with a step by step movement, to rotate the cutters in the guide cut and complete the cut through the pipe wall.

1,737,890. APPARATUS AND METHOD OF CONTROLLING ELECTRODES IN ELECTRIC FURNACES. FRANZ X. NOICHL and ERNST SCHMIDT, Burghausen, Oberbayern, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Electrochemische Industrie, Munich, Bavaria, Germany, a Corporation. Filed Feb. 19, 1929, Serial No. 341,242, and in Germany Apr. 27, 1927. 5 Claims. (Cl. 266-1.5.)

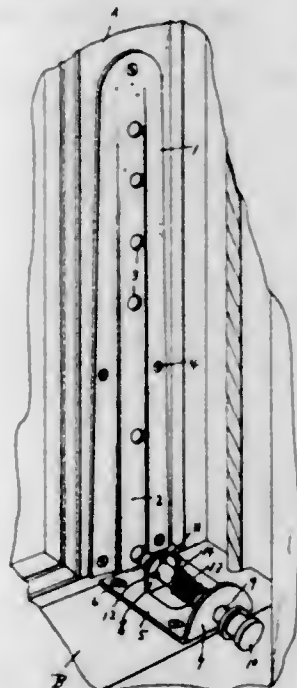
1. Apparatus for controlling electrodes in electric furnaces comprising in combination a furnace, an electrode

adapted to be inserted in said furnace, a movable clamp yieldingly holding said electrode, abutment means to re-



sist withdrawal of said electrode, and means for sliding said movable clamp on the electrode while it is held against said abutment means.

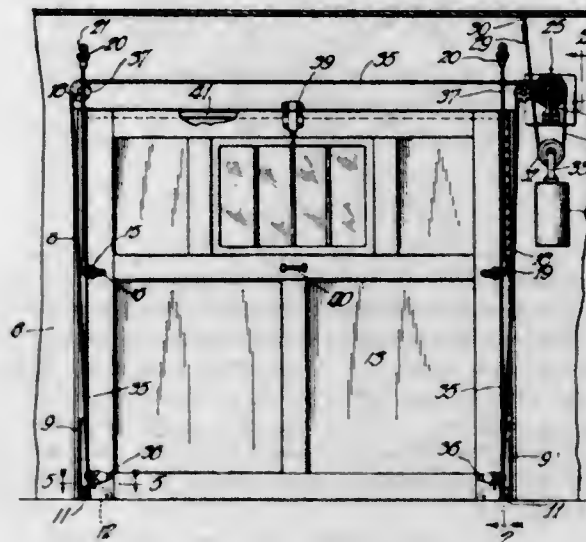
1,737,891. WINDOW FASTENER. GEORGE L. PARKINS, Columbus, Ohio. Filed Dec. 29, 1927. Serial No. 243,236. 1 Claim. (Cl. 292-60.)



In a window fastener, a keeper for attachment to a sliding upper window sash, said keeper being provided with a series of vertically spaced bolt receiving openings, a sheet metal base plate for attachment on the upper edge of a sliding lower window sash and arranged in vertical alignment with said keeper, the outer end of the base plate being directed upwardly to form an enlarged ear, a smaller ear struck up from the central portion of the base plate, said ears being disposed in parallel spaced relation and provided with registering openings, a bolt extending through the registering openings in said ears and adapted for rotary and slidable movement on the base plate, the innermost ear being formed with a notch that communicates with the opening formed therein, a pin extending laterally from the bolt and adapted to engage one side of the innermost ear for latching the bolt in a re-

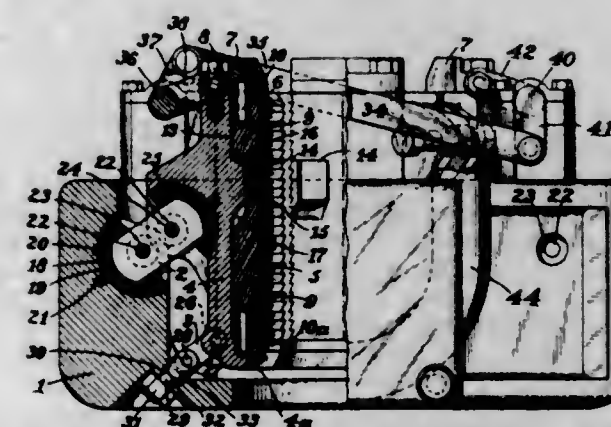
tracted position, said pin being adapted to pass through the notch in the innermost ear when in alignment therewith, an expansible coil spring associated with the bolt for moving the same inwardly when the pin is in alignment with the notch, whereby the inner end of the bolt will enter the adjacent opening in the keeper, and an actuating knob on the outer end of the bolt.

1,737,892. GARAGE DOOR. FRED PIERO, Kenosha, Wis. Filed June 27, 1927. Serial No. 201,571. 6 Claims. (Cl. 20-19.)



1. In a door of the class described, a single section door, a wall or like structure having a doorway, the door being slidably and pivotally connected near its lower edge at the sides of the doorway and adapted to slide vertically and swing away from the doorway, tie rods pivotally hung from the wall and connected to the door intermediate the height of the latter to suspend the same, and counterweighting means for the door including a winding drum arranged normal to the wall, a cable connected at one end to the door near its bottom edge and to the drum at its opposite end, a fuse, connected to the drum, a cable anchored at one end and having its opposite end connected to the fuse with a lap hanging therefrom, and a counterweight having a pulley receiving the lap, said weight adapted to exert a variable force on the door decreasing as the door is raised and increasing as the door is lowered.

1,737,893. WELL-CASING ELEVATOR. CLARENCE E. REED, Wichita, Kans. Filed Mar. 15, 1928. Serial No. 261,568. 14 Claims. (Cl. 24-263.)



1. In a well casing elevator, a base, a jaw, links pivotally connected at their ends to said base and jaw, said base having a bore through the lower portion thereof enlarged at its inner end to provide a shoulder, a link socket member having a screw threaded shank and shoulder adapted to lie in said bore and to engage the shoulder

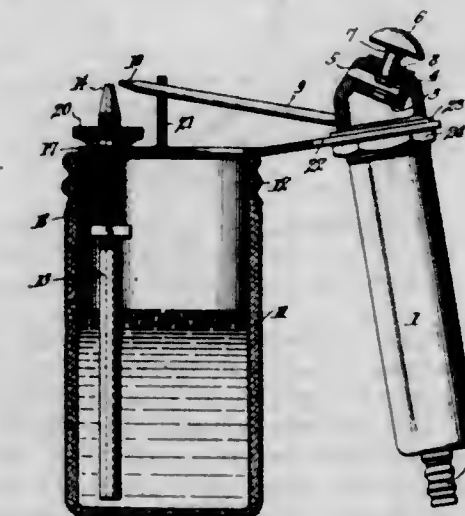
of the bore and a nut engaging the screw threads of the shank and bearing against the base at the outer end of the bore to securely hold the socket member removably in place, said socket member being connected with one of said links.

1,737,894. METHOD OF FLOWING OIL. EDWARD P. REYNOLDS, Anaheim, Calif. Filed June 27, 1927. Serial No. 201,503. 6 Claims. (Cl. 103-232.)



1. The herein described method of cleaning oil wells and assisting the step of flowing the oil therefrom which consists in causing a current of a heated, non-condensable and gaseous substance to descend around the tubing of the well and into the tubing in proximity to the perforations of the well casing so as to reduce the viscosity of the oil at and above the perforations by the action of radiant heat, thereby preventing a congealing of the heavier constituents of the oil at and above the perforations, and in then deflecting said current into the tubing from a point near the bottom thereof in order to permit the current to ascend in the tubing with the flowing oil, and thereby to reduce the viscosity of the oil and accelerate the flow thereof.

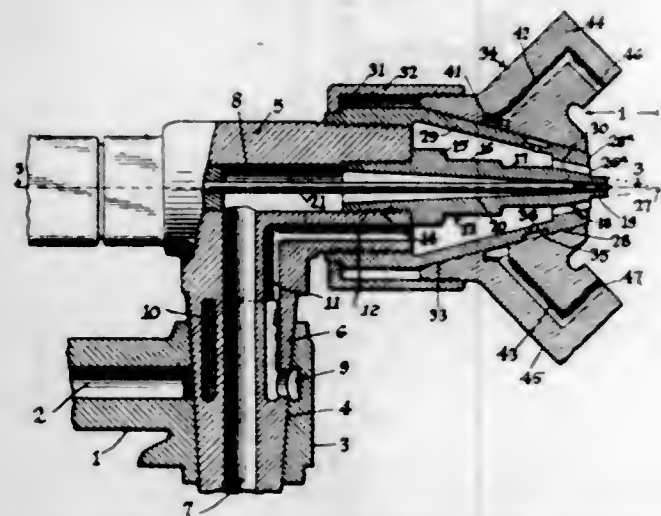
1,737,895. SPRAY GUN. ERVIN SAMUEL SACHSENMAIER, Philadelphia, Pa., assignor to Dunning Compressor Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 10, 1927. Serial No. 239,232. 4 Claims. (Cl. 91-45.)



1. A spray gun comprising a compressed fluid chamber, a manually operated exhaust by-pass carried thereby, a compressed fluid nozzle extending from said chamber, a liquid supply tank, a liquid aspirator tube carried thereby, the tips of the compressed air nozzle and the liquid sup-

ply tube being in proximity to each other, a cap on the liquid supply tank, a spring encircling the liquid supply tube and below the cap, a nut on the tube below the spring, a plate carrying the compressed fluid chamber on top of the cap and an adjusting nut threaded to the liquid supply tube and engaging the plate.

1,737,896. AIR-BRUSH NOZZLE. AUGUSTINE SHEL-BURNE, South Pasadena, Calif. Filed Oct. 13, 1924. Serial No. 743,391. 5 Claims. (Cl. 91-45.)



3. In an air brush nozzle, a main nozzle construction including a nozzle cap, a spreader rotatably mounted upon the nozzle cap, and a union nut for holding the spreader in adjusted circumferential position on the nozzle cap.

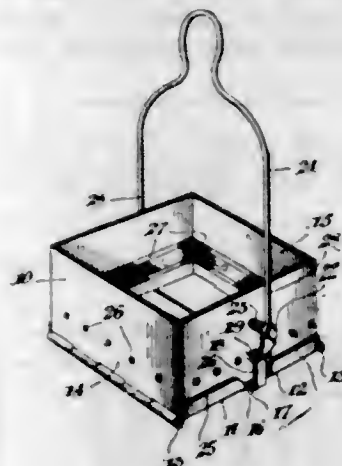
5. In an air brush nozzle, a head having a liquid nozzle with a central discharge opening secured thereto, an outer nozzle cap secured in a fixed relation to the liquid nozzle, there being a plurality of separate and distinct grooves between the main body of the nozzle and cap, said grooves causing discharging jets of air to flow at an acute angle on liquid ejected from the said central discharge opening the air contacting with the liquid outside of the brush nozzle.

1,737,897. FOOT BRACE. JOSEPH A. SKOGLUND, St. Paul, Minn. Filed May 12, 1924. Serial No. 712,599. 1 Claim. (Cl. 128-166.)



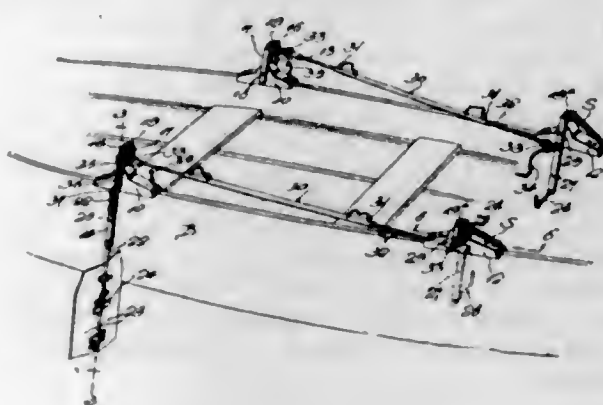
A foot brace comprising quarters of nonelastic material of angular formation, said quarters being slit at the angle thereof, a sole connecting the lower portions of said quarters, the upper portions thereof falling short of one another throughout their extent at the heel, an elastic member connecting the upper edges of the forward portions of said quarters, an elastic member interposed between the lowermost part and the rearward portions of said quarters, a non-resilient member connecting the upper part of the rearward portions of said quarters, fastening members connecting the upper part of the forward portions of said quarters, said slit separating said first named elastic members from said fastening members.

1,737,898. KITCHEN UTENSIL. SERGEON SNOWDY, North Bay, Ontario, Canada. Filed Feb. 11, 1929, Serial No. 339,153, and in Canada July 30, 1928. 6 Claims. (Cl. 53-1.)



1. A cooking utensil comprising a casing open at the top and provided with a hingedly mounted closure member for the bottom, spring-pressed catch members supported on the casing and adapted to normally engage with and retain the closure member closed, a combined handle and suspending member for the casing operatively associated with said catches whereby, on the handle member being pressed, the catch members are released to permit the bottom to open.

1,737,899. BOAT-PROPELLING MEANS. DAVID O. TAYLOR, West Point, Miss. Filed Oct. 11, 1928. Serial No. 311,792. 6 Claims. (Cl. 115-21.)

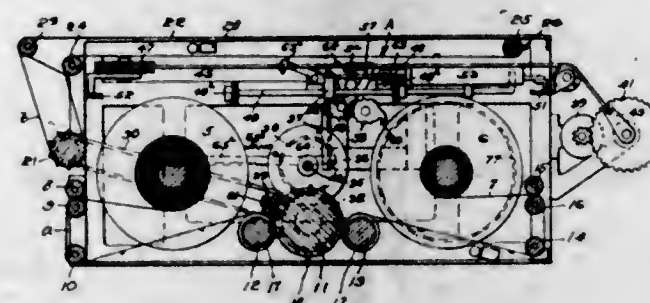


5. In a boat propelling means, an arm and means for mounting it on a boat for swinging longitudinally thereof, a bearing carried by the lower portion of said arm, a shaft whose upper end is slidably and rotatably received in said bearing, a paddle pivoted to the lower end of said shaft to operate upon swinging of the arm and shaft in one direction and to idle upon swinging of said arm and shaft in the other direction, a foot-actuated lever spaced from said arm, a rotatable rod having universal connections with said lever and said arm for swinging the latter when the lever is oscillated, a foot-operated crank on said rod for turning it, connecting means between said rod and said shaft for sliding the latter a predetermined distance in said bearing, and means for turning said shaft a half revolution when so slid.

1,737,900. STREET-INDICATING AND ADVERTISING DEVICE. THEMISTOCLES THEOHARIS and JOHN FORAKIS, Tampa, Fla., assignors of twenty per cent to Irene N. Nickolas, Tarpon Springs, Fla. Filed Oct. 4, 1928. Serial No. 310,415. 14 Claims. (Cl. 40-56.)

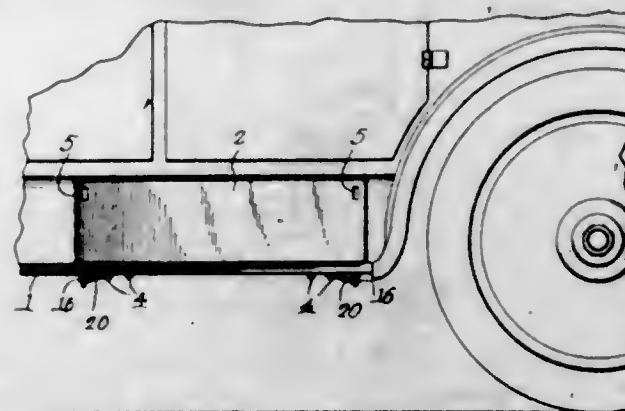
1. A device of the character described, comprising in combination a web adapted to be fed past a sight opening

and containing the names of streets, a feed mechanism for said web comprising a roll over which said web passes, and an actuating disc for said roll, a flexible element and a mechanism mounted for bodily sliding movement to which said element is connected, said mechanism comprising a



part, which, when the cable is initially drawn upon, is swung into position to engage said disc, additional pull upon the cable bodily moving said mechanism apart to impart movement to said disc and through the disc to the feed mechanism.

1,737,901. CARRIER FOR RUNNING BOARDS. EDWIN R. WALKER and DENNIE B. HENLEY, Yakima, Wash. Filed July 25, 1927. Serial No. 208,244. 1 Claim. (Cl. 280-164.)

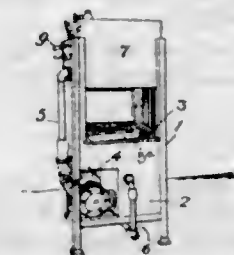


In a device of the class described, a base, a combined stop and guide on the base, a panel having a seat, a hinge connected to the panel, a securing element uniting the hinge with the base, a wing hinged to the panel and movable into and out of engagement with the stop and guide, a latch slidable in the stop and guide, the latch having a head, a spring held on the base by the securing element, the latch being rotatable in the stop and guide, and in the spring, to permit the head to pass through the seat when the panel is folded on the hinge, and then engage the panel to hold it folded, the spring serving to slide the latch endwise in the stop and guide and to hold the head of the latch engaged with the folded panel.

1,737,902. DOOR-OPERATING MECHANISM. GEORGE WEBB, West Hartford, and FRANK D. JENKS, Hartford, Conn., assignors to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 16, 1925. Serial No. 62,857. 14 Claims. (Cl. 268-58.)

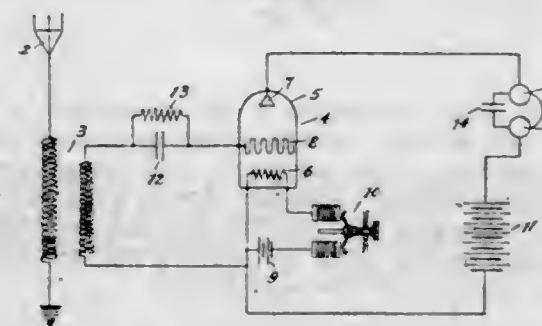
1. In a closure operating mechanism for dish washing apparatus of the kind comprising a rectangular casing provided with front and back walls and with side walls having similar large openings formed therein respectively and movable doors closing the said openings respectively, the combination with the said doors of a mechanism

adapted for simultaneously opening or closing both of them and including a manually operable lever, all parts of the



said mechanism other than the said lever being behind the said front wall and the said lever extending in front of the said front wall so as to be readily accessible.

1,737,903. RADIO APPARATUS. GUSTAV O. WILMS, Milwaukee, Wis., assignor, by mesne assignments, to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Continuation of application Serial No. 549,352, filed Apr. 3, 1922. This application filed July 13, 1922, Serial No. 574,802. Renewed Apr. 10, 1929. 4 Claims. (Cl. 250-27.)



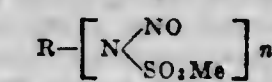
1. A radio apparatus comprising an electronic valve, a carbon disk resistor connected in circuit therewith to adjust and control the action thereof, a low tension spring proportioned to vary a low pressure upon said resistor and thereby cause a gradual and steady variation in resistance through a wide working range to obtain a smooth and regular variation in the action of said valve; and an adjustable actuator for operating said spring.

1,737,904. CEMENTITIOUS PRODUCT AND METHOD OF MAKING THE SAME. GUSTAV A. WITTE, Riverside, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed June 6, 1927. Serial No. 197,005. 11 Claims. (Cl. 106-25.)

9. The method of making cementitious material comprising grinding a portion of Portland cement material to a fineness not exceeding 90% minus 200 mesh, separately grinding another portion of Portland cement material to a fineness materially in excess of 90% minus 200 mesh, and then intimately mixing said portions together.

1,737,905. PROCESS OF PRODUCING FAST PRINTINGS. ARTHUR ZITSCHER and FRANZ MURIS, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1925. Serial No. 74,148, and in Germany Dec. 24, 1924. 5 Claims. (Cl. 8-5.)

1. In a process of producing fast printings the step comprising developing the color by reacting with an acidic substance upon a textile material impregnated with an alkali metal salt of an azo component suitable for the production of azo dyestuffs on the fiber, and a salt of a sulfnitrosaminic acid of the general formula:

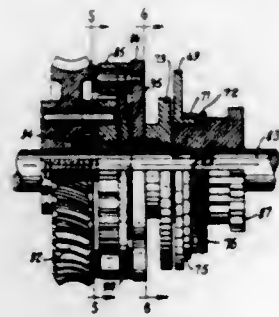


in which n is a numeral less than 3 and R is an organic radical containing at least one aromatic nucleus.

1,737,906. COMPOSITION OF AND METHOD OF PRODUCING CONCRETE. HARRY F. ADAMS, Greenport, N. Y. Filed Aug. 7, 1923. Serial No. 856,261. 5 Claims. (Cl. 106—24.)

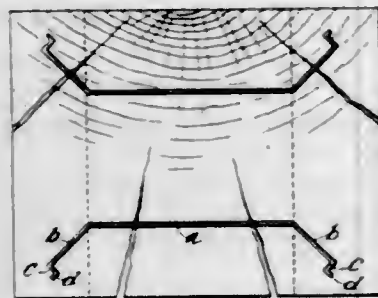
5. A concrete composition comprising cement and oyster shells which have been crushed and then soaked in fresh water.

1,737,907. CLUTCH MECHANISM. CHARLES H. ARNOLD, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Mar. 26, 1926. Serial No. 97,668. 6 Claims. (Cl. 192—28.)



1. In a clutch mechanism, a driving member, a ratchet fast to said driving member, a driven member adjacent to said ratchet, a pawl carried by said driven member, a control plate having a cam slot therein adapted to cause said pawl to engage said ratchet, and another plate adjacent to said control plate and adapted frictionally to connect said control plate and said ratchet.

1,737,908. TIMBER ANCHOR. RAYMOND E. BEEGLE, East St. Louis, Ill. Filed Feb. 5, 1927. Serial No. 166,060. 7 Claims. (Cl. 85—11.)

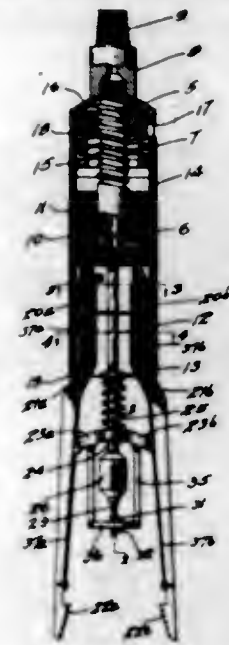


1. A timber anchor having substantially the outline of an open-side polygon, one side of which constitutes a substantially straight body portion, an anchor face at each end thereof, constituting adjacent sides of the polygon, and each carrying a relatively short, inwardly directed terminal; said faces being shorter than said body portion and projecting therefrom at an obtuse angle, the body portion, faces and terminals of said anchor being adapted in use, to coact to define and clamp an unbroken unit of timber.

1,737,909. GRAB. PASCAL J. BIMAT, Bakersfield, Calif. Filed Aug. 4, 1928. Serial No. 297,410. 15 Claims. (Cl. 294—115.)

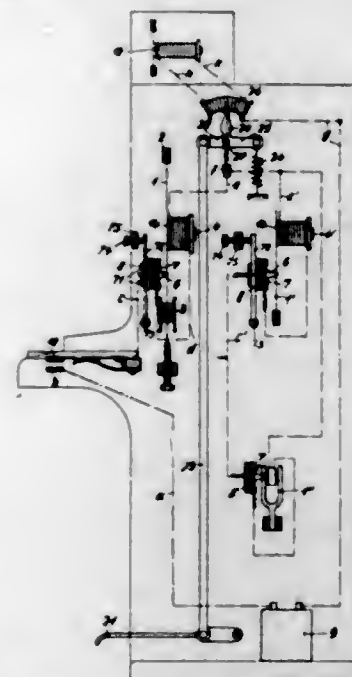
1. A tool of the character described comprising a column having a male inclined plane thereon and means for attachment to a rotatable operating string, a head journaled to said column, gripping jaws secured to said head for movement to and from each other, resilient means tending to hold said jaws expanded, a cage mounted over said head longitudinally movable in relation thereto, said cage having surfaces engaging sloping surfaces formed on said

jaws for collapsing the latter, a female member riding on said plane longitudinally movable and non-rotatable with respect to said jaws, and a resilient member inter-



posed between said female member and said cage tending to longitudinally move said cage with relation to said female member so as to collapse said jaws.

1,737,910. MUSICAL INSTRUMENT. WILHELM BLANK, Plauen, Germany. Filed Feb. 3, 1927. Serial No. 165,586, and in Germany Feb. 11, 1926. 5 Claims. (Cl. 84—261.)

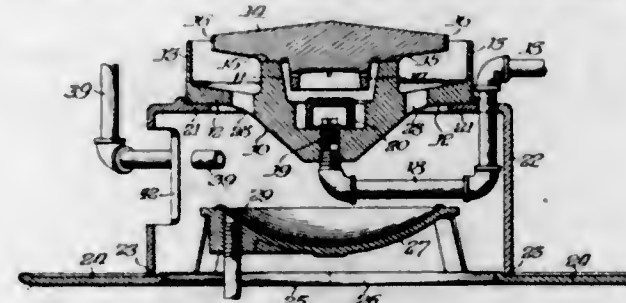


3. A musical instrument having in combination of oscillating parts, electro-magnets influencing said oscillating parts, an electric source, wires connected to said source and said electro-magnet by forming circuits and switches for closing said circuits, with microphones removably connected to said oscillating parts by connecting means capable of transferring the oscillations of said oscillating parts into movements of the membrane of said microphones capable of changing the variations of mechanical pressure of said oscillating parts into corresponding variations of electric currents flowing in said circuits and influencing said electro-magnets, said microphones removably supported by the casing of the musical instrument.

1,737,911. VAPOR-OIL HEATER. JAMES H. BIRCH, Geneva, Ill. Filed May 6, 1926. Serial No. 107,038. 5 Claims. (Cl. 158—66.)

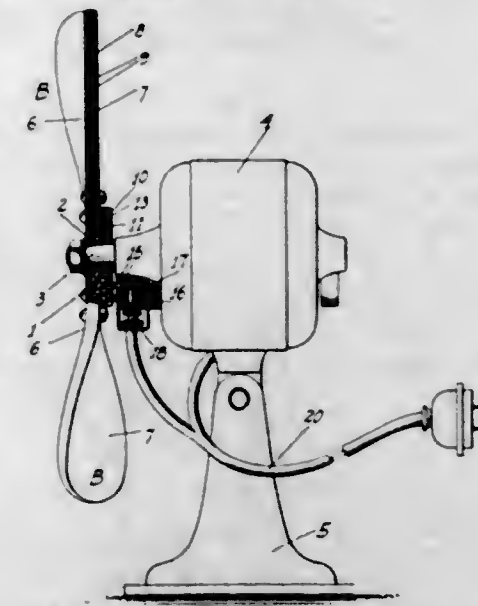
1. In an oil heater, a burner having a perforated air-intake web, a pipe for conducting oil to the burner, a

tubular support for the burner which is closed at its upper end by the web of the burner, a pan within the support below the burner for initially heating the burner when



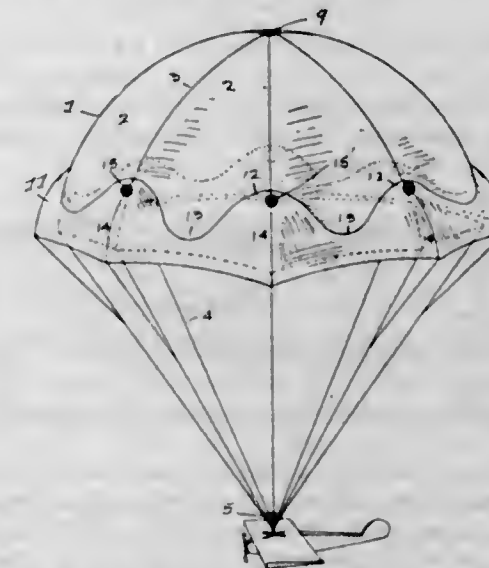
oil in the pan is ignited, a water box at one side of the support, and a pipe for feeding water vapor from the box into the space between the burner and the pan.

1,737,912. ROTARY HEATING DEVICE. FRANK T. BOGARD, Oakland, Calif., assignor of five-tenths to E. H. Christian, Oakland, Calif. Filed Jan. 9, 1928. Serial No. 245,411. 6 Claims. (Cl. 219—42.)



1. A heating fan comprising a hub member, fan blades each consisting of a pair of spaced and separate cooperating sections mounted on the hub; one of said sections being removably secured to the hub and to the other section, and an electric heating element disposed between the sections.

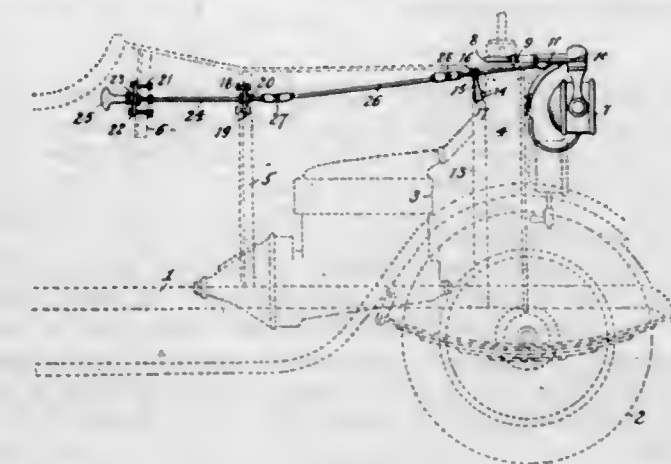
1,737,913. PARACHUTE. CHARLES BROADWICK, San Francisco, Calif. Filed Nov. 5, 1928. Serial No. 317,143. 6 Claims. (Cl. 244—21.)



1. A parachute comprising a concavo-convex sheet; supporting lines attached to the edge of said sheet in spaced

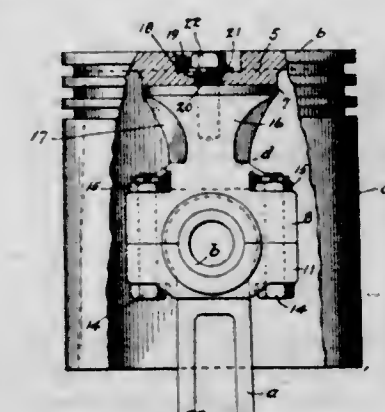
relation therearound; a skirt around the outside of the lower edge of the said sheet, said skirt being cut in scallops and having the scalloped edge thereof secured to the outside of the said sheet to provide pockets of varying sizes between the skirt and the outside of the parachute; and supporting lines secured to the free edge of the skirt and to the first mentioned supporting lines.

1,737,914. SPOTLIGHT. ANTHONY CAMINETTI, Jr., San Francisco, Calif., assignor, by mesne assignments, to Charles N. Newman, Stockton, Calif. Filed Nov. 2, 1926. Serial No. 145,826. 1 Claim. (Cl. 240—61.)



In combination with a dirigible automobile lamp adapted to be adjusted in a horizontal and also in a vertical plane, actuating means therefor including a rod comprising end sections and an intermediate section, one end section being connected to the lamp and the other end section provided with hand operable means remote from the lamp, a universal joint connecting each of said end sections with the intermediate section, and longitudinally spaced ball and socket joints supporting the end sections of the rod for rotatable and slidable movement, the ball and socket joints being spaced from the universal joints to allow for the sliding movement of the end sections of the rod in either direction with the intermediate section, each of said ball and socket joints including a socket and a ball frictionally held therein but adapted for universal movement and each of the balls having an axial hole therein through which the rod section passes.

1,737,915. PISTON. ALEXANDER C. CARRILLO, San Francisco, Calif., assignor of one-half to Frank E. White, San Francisco, Calif. Filed Dec. 14, 1927. Serial No. 240,067. 2 Claims. (Cl. 74—108.)



1. The combination with a piston and a wrist pin, of means for connecting said pin and piston together, said means including a hanger forming one-half of the wrist pin bearing and straps forming the other half of the bearing, bolts for securing said straps to said hanger, and being adjustable from the top when the piston is removed, and a cap screw securing said piston to said hanger, said screw being accessible from the top of the piston.

1,737,916. PHENOLIC CONDENSATION PRODUCTS AND METHOD OF PRODUCING SAME. OSCAR A. CHERRY and FRANZ KURATH, Chicago, Ill., assignors to Economy Fuse and Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed Feb. 19, 1926. Serial No. 89,487. 10 Claims. (Cl. 260—4.)

1. The process which consists of heating a phenolic substance and a reactive methylene containing substance in the presence of furfural.

5. The process of producing a potentially reactive resin which consists of heating a phenolic substance and a reactive methylene containing substance in the presence of furfural until separation into two layers has occurred, and stopping the reaction when slight thickening of the lower layer has occurred.

1,737,917. PHENOLIC CONDENSATION PRODUCTS AND PROCESS FOR PREPARING SAME. OSCAR A. CHERRY, Chicago, Ill., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed Apr. 21, 1926. Serial No. 103,621. 4 Claims. (Cl. 260—4.)

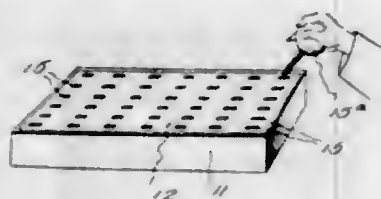
1. The method of preparing a material suitable for casting which consists in heat treating a phenolic body and an active methylene containing substance in the presence of formic acid, the amount of formic acid being in substantial excess of the amount present when commercial formaldehyde is employed to supply the methylene groups.

1,737,918. UREA AND FORMALDEHYDE CONDENSATION PRODUCTS. OSCAR A. CHERRY, Chicago, Ill., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed May 23, 1927. Serial No. 193,740. 24 Claims. (Cl. 260—3.5.)

1. The process which consists in reacting urea and formaldehyde in the presence of a hydrogen ion concentration of substantially 1×10^{-3} .

24. The process which consists in reacting urea and formaldehyde in the presence of a hydrogen ion concentration of substantially 1×10^{-3} , said concentration being produced by employing a metal which will react to form a formate, introduced in such quantity as will assure said hydrogen ion concentration.

1,737,919. FROZEN CONFECTION AND PROCESS OF MANUFACTURE. JACK R. CRAIN, San Antonio, Tex., assignor to one-half to Claude V. Birkhead, Raymond Phelps, and George Dahl Dewees, San Antonio, Tex. Filed Mar. 24, 1927. Serial No. 178,050. 2 Claims. (Cl. 107—54.)

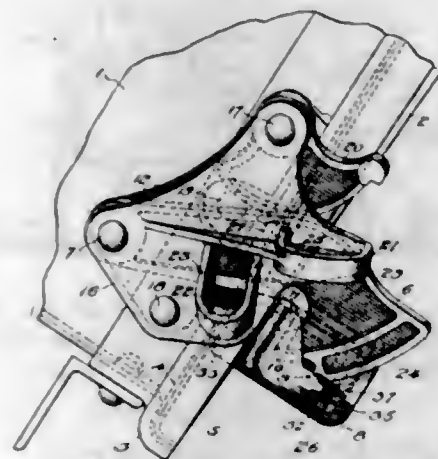


1. In the manufacture of a frozen confection, the steps of forming a socket in a partly frozen body, placing a quantity of a freezable liquid in said socket, inserting an end of a stick into the liquid-containing socket, and completing the freezing operation with the stick in the socket.

1,737,920. DOOR-LOCKING MECHANISM. WILLIAM F. CREMEAN, Toledo, Ohio. Filed Dec. 29, 1927. Serial No. 243,244. 12 Claims. (Cl. 105—308.)

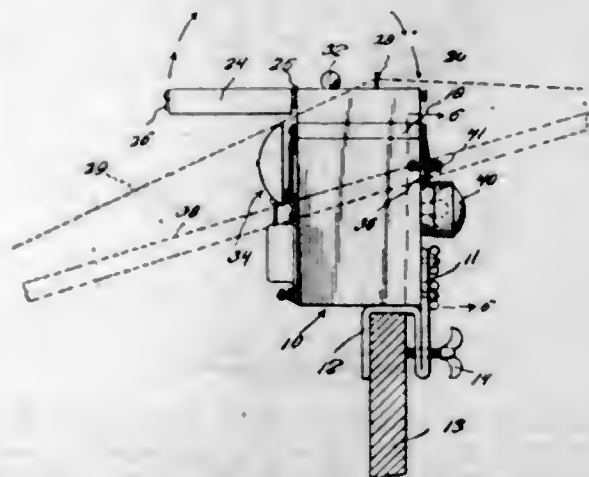
1. In combination with a hopper car having a lading discharge opening, of a pivoted door for closing said

opening adapted to swing to open position under the influence of gravity, mechanism for supporting the door in closed position, and means carried by the door having



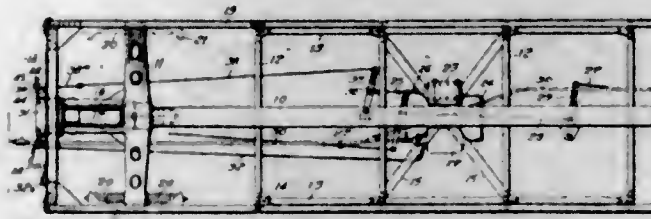
a portion for accommodating the foot of an operator to which force may be applied for moving the door to closed position, the said portion extending at an angle to the direction of swinging movement of the door.

1,737,921. FISHING-LINE SIGNAL. DAVID C. DERR, Shamokin, Pa. Filed Aug. 10, 1928. Serial No. 298,776. 9 Claims. (Cl. 43—17.)



9. In a fishing line signalling device, a portable battery container, attaching means for the container, primary visible signalling elements on the container, a secondary audible signalling element on the container, a pair of electrical relays including line-actuated elements, a carrying ball, and a pair of pivotally mounted fishing rod supporting members on said container.

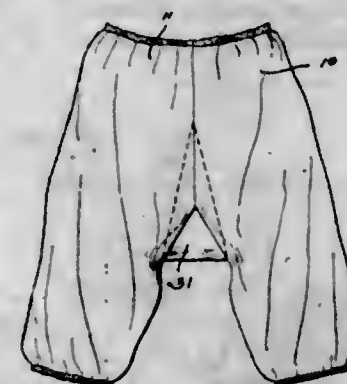
1,737,922. BRAKE MECHANISM FOR RAILWAY CARS. ORHO C. DURYEA, Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del., a Corporation of Delaware. Filed May 5, 1925. Serial No. 28,244. 6 Claims. (Cl. 188—33.)



1. In combination with a railway car comprising running gear and a body mounted for longitudinal movement relative thereto, brake mechanism for said car including a brake mast, an air release line section, said mast and section being secured to said body, means including an air cylinder secured to said running gear and movable

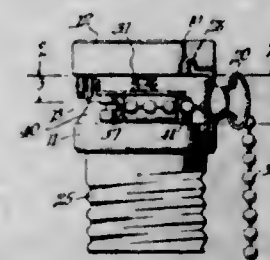
therewith, and flexible elements connecting said brake mast and section to said means, one of said elements having operative engagement with the striking plate of the running gear.

1,737,923. GARMENT. HARRY P. ECKSTEIN, Weehawken, N. J. Filed June 18, 1926. Serial No. 116,798. 1 Claim. (Cl. 2—225.)



The combination with a lady's undergarment of a protective gusset of substantially moistureproof material adapted to cover a portion thereof, said gusset being positioned at the crotch of said garment and being secured to the cloth material of said garment only at the edges of the gusset, the intermediate portion being loose from the contiguous cloth material and concealed from view thereby, and being less in extent than the underlying cloth material, whereby said cloth material is adapted to rest in natural folds said gusset being adapted to protect the various garments from body effluence.

1,737,924. ELECTRICAL SWITCH. WILLIAM H. FABREY, Schenectady, N. Y., assignor to Weber Electric Company, Schenectady, N. Y., a Corporation of New York. Filed Nov. 29, 1927. Serial No. 236,516. 13 Claims. (Cl. 173—354.)



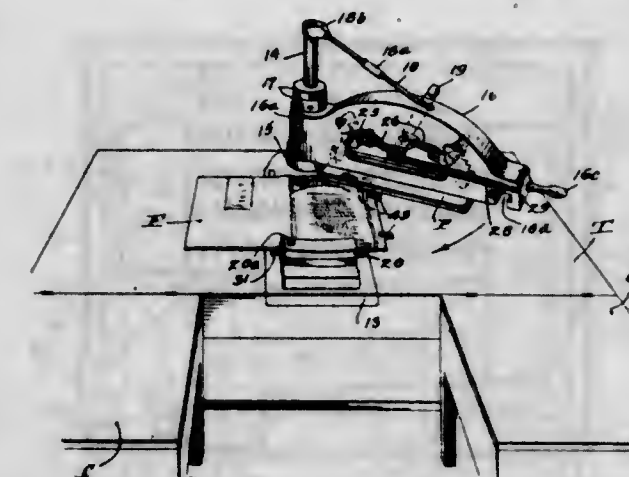
1. An electric switch comprising a casing having a slot, a switch mechanism including a spindle mounted in said casing, a switch actuator mounted on said spindle, and a coil spring mounted on said spindle with one end engaging said actuator and its other end engaging said casing and spanning said slot to be accessible for adjustment.

1,737,925. INSERT-PRINTING DEVICE. ANSGAR GYDEN, KNUTE A. FROBERG, and WILLIAM J. KENNAN, Minneapolis, Minn., assignors to Printers Supply Company, Minneapolis, Minn. Filed Dec. 24, 1927. Serial No. 242,420. 18 Claims. (Cl. 101—316.)

1. In a printing device, a printing bed, a platen frame, a platen slidably carried by said frame, toggle mechanism mounted in said frame for actuating said platen comprising a pair of toggle links, one of which is pivoted on a substantially horizontal axis to said platen, the other of which

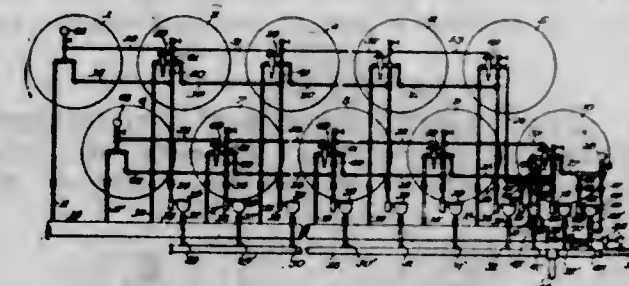
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is pivoted on a substantially horizontal axis to said platen frame, a toggle operating bar pivoted on a sub-



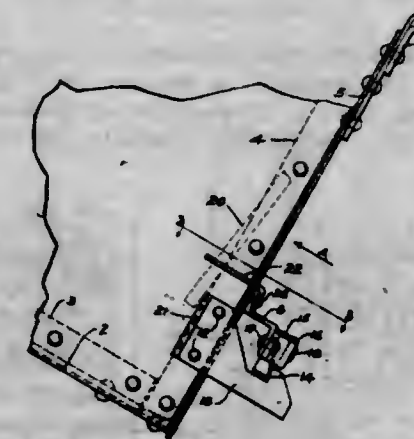
stantially vertical axis, and a member eccentrically connecting the common pivot of said toggle links with said operating bar.

1,737,926. SYSTEM FOR DRYING PAPER AND TEXTILES AND THE LIKE. THOMAS H. IRELAND, Rockville Center, N. Y. Filed Mar. 1, 1926. Serial No. 91,329. 19 Claims. (Cl. 34—48.)



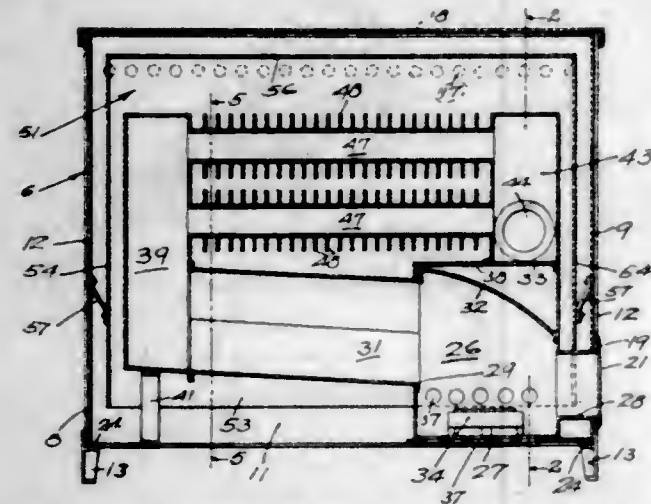
1. In combination, a series of drying chambers in number greater than two, a source of high temperature high pressure vapor supply connected to each of said chambers, direct vapor flow connections between a plurality of said chambers, means for maintaining a constant differential pressure between successive chambers of said series, and means for removing condensed vapors from said chambers.

1,737,927. RAILWAY CAR. BYERS W. KADEL, Baltimore, Md. Filed Mar. 20, 1924. Serial No. 700,475. 8 Claims. (Cl. 105—308.)



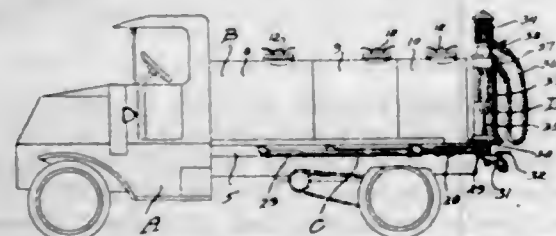
1. A railway car having a door, a fixed ledge member mounted on the car body adjacent an edge of the door, a flanged member rigidly secured to the door, and a rotatable cam mounted in overlapping relation to the outer face of the said flanged member, said cam being adapted to engage said ledge member to hold the door in closed position.

1,737,928. HEATING DEVICE. JESSE L. D. KIPPY, Berkeley, Calif. Filed Aug. 27, 1928. Serial No. 302,183. 5 Claims. (Cl. 126-90.)



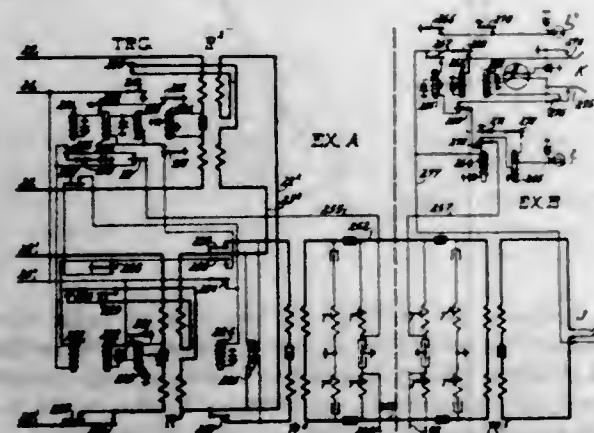
1. A heater comprising an outer casing, a fire box supported in the casing, a tortuous passage for conducting the products of combustion from said fire box, an outlet chamber at the end of the passage and being disposed above said fire box, said fire box being so constructed as to form a cooling pocket between the fire box and the outlet chamber and to allow the circulation of air in said pocket; and an inner casing spacedly disposed between said passage and the outer casing; said inner and outer casings having corresponding inlet and outlet openings thereon; said outer casing having a cold air inlet opening above said inlet openings for creating a flow of cold air between said casings.

1,737,929. LIQUID DELIVERY AND PUMPING APPARATUS. PETER LIBBY, Waterville, Me. Filed July 23, 1926. Serial No. 124,485. 4 Claims. (Cl. 221-95.)



1. In an apparatus of the class described, the combination of a tank provided with independent compartments, gravity feed means for withdrawing the full capacity of any desired compartment independently of the remaining compartments, and means communicating with the gravity feed means for withdrawing a measured quantity of liquid from either of said independent compartments.

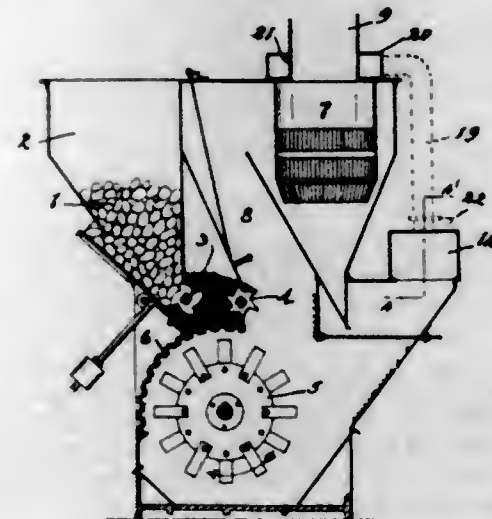
1,737,930. TELEPHONE SYSTEM. CLARENCE E. LOMAX, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Mar. 12, 1927. Serial No. 174,734. 27 Claims. (Cl. 179-27.)



1. In a telephone system, a first and a second exchange, a trunk line connecting said exchanges, calling and a

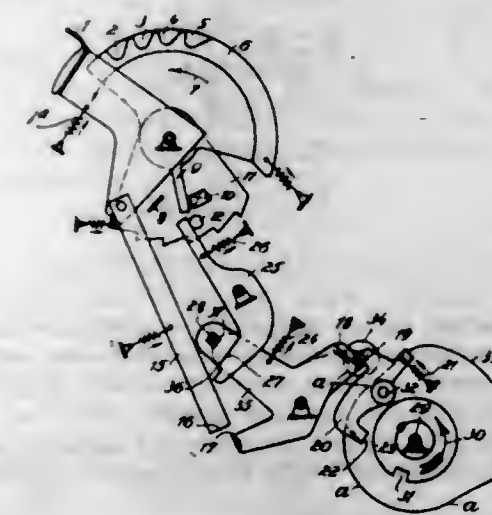
called line, means at the first exchange for establishing a connection from said calling line to said second exchange over said trunk line, means at said first exchange controlled over said trunk line for establishing a connection from said calling line to said called line, a signal at said second exchange, and means controlled by either party when he replaces his receiver for operating said signal.

1,737,931. COAL PULVERIZER. FRANK G. LUGRIN, Moose Jaw, Saskatchewan, Canada. Filed Jan. 5, 1928. Serial No. 244,742. 3 Claims. (Cl. 83-11.)



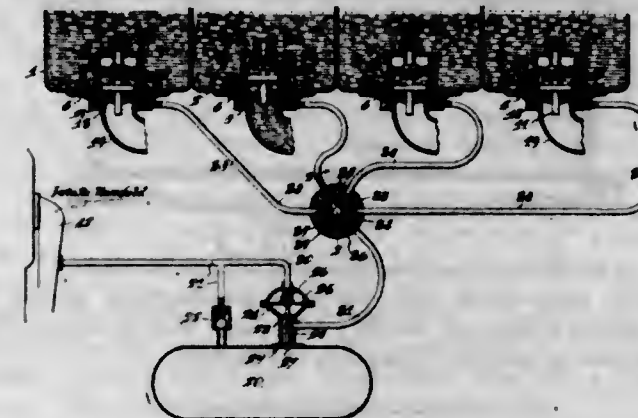
1. In a coal pulverizer, the combination with the pulverizing chamber and independent air inlet and air outlet pipes to and from the said chamber, of an adjustable valve introduced in the air admission pipe and a valve controlled pipe leading from the air admission pipe to the air outlet pipe.

1,737,932. RAILWAY-TICKET-DELIVERING APPARATUS. EDUARD MARCHTHAL, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Nov. 12, 1927. Serial No. 232,905, and in Germany Nov. 2, 1926. 4 Claims. (Cl. 101-227.)



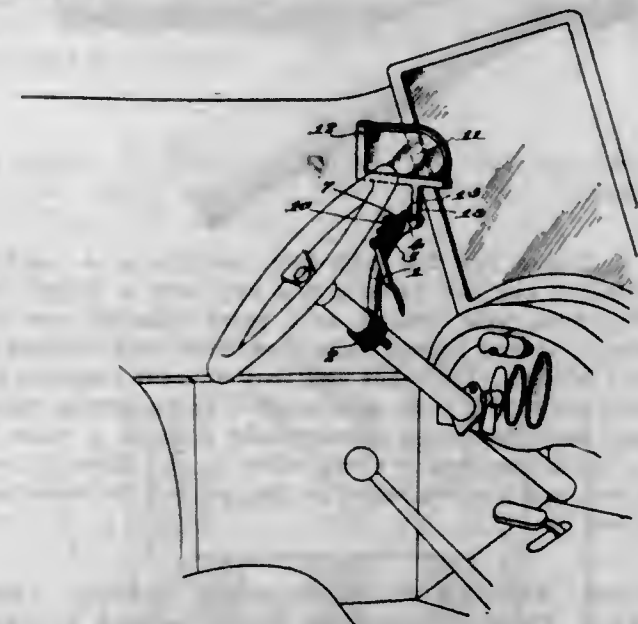
1. In a printing and vending machine for delivering any desired number of a given maximum of printed articles, a hand operated number selector adjustable according to the number of printed articles desired, a hand actuated operation control element and mechanism connected therewith for initiating the printing and vending operation of the machine, said selector and said control element being arranged one in the path of the other, permitting the operator when actuating the number selector to actuate said operation control element only after the selector operation is completed.

1,737,933. SAFETY DISCHARGE VALVE FOR MOTOR-OPERATED TRANSPORTING TANKS AND MEANS TO SELECTIVELY ACTUATE THE VALVE. EARL DANIEL MCCADDAM, San Francisco, Calif. Filed Oct. 20, 1928. Serial No. 313,781. 7 Claims. (Cl. 137-21.)



1. The combination with the individual compartments of a liquid fuel tank, of a source of suction, a normally closed suction actuatable discharge valve for each compartment, and a selector valve to open communication between a selected valve and the suction source to open that valve and permit discharge of liquid fuel from the associated compartment.

1,737,934. GLARE SHIELD. OSCAR L. MCKINLEY, Demopolis, Ala. Filed Feb. 28, 1927. Serial No. 171,628. 2 Claims. (Cl. 296-97.)

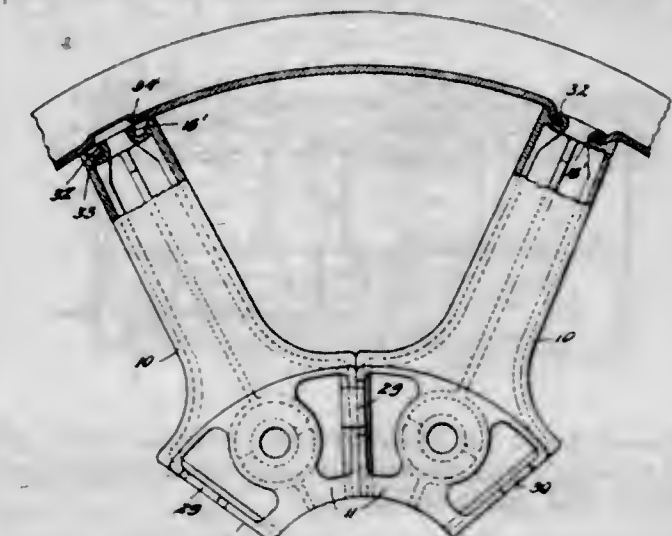


1. A glare shield comprising a bracket having a steering post clamp at one end and an extension arm extending therefrom and terminating in a bearing hub forwardly of the steering post, a rock shaft journaled in and projecting beyond the ends of said hub, a pinion affixed to one projecting end of said shaft, a rock arm affixed to the other end of said shaft and provided with a frame carrying a glare shield, a lever operable gear mounted on said bracket arm extension and meshing with said pinion, and an abutment extending from said bracket in the path of movement of said rock arm to position the glare shield in operative relation to the driver of the motor vehicle, said glare shield and rock arm being supported by said hub arm for movement in a plane forwardly of the steering post.

1,737,935. VEHICLE WHEEL. ALEXANDER MELDRUM, Syracuse, N. Y., assignor, by mesne assignments, to Hurlburt W. Smith and Wilbert L. Smith, Syracuse, N. Y. Filed May 12, 1926. Serial No. 108,677. 3 Claims. (Cl. 301-67.)

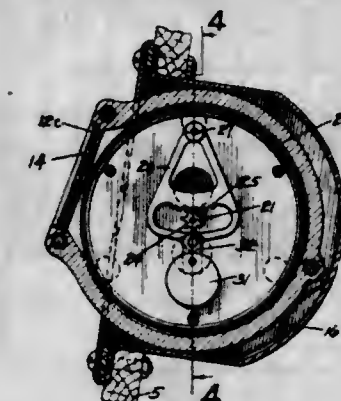
3. A spoke for a vehicle wheel including in combination, a stud on the outer end of said spoke, a felloe abut-

ting shoulder spaced from said stud by a channel, the outer face of said shoulder lying substantially in the



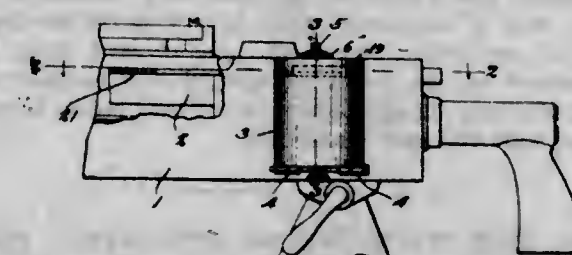
surface of a cylinder of a radius equal to the radius of the inner periphery of the wheel felloe and said stud being entirely within said cylinder.

1,737,936. GRADE METER. IVAN H. MERCER, Denver, Colo., assignor of one-tenth to E. L. Pound, Denver, Colo. Filed Sept. 22, 1925. Serial No. 57,861. 2 Claims. (Cl. 33-215.)



1. A grade meter comprising a casing having a sight opening, a wheel mounted for rotation in the casing and bearing a graduated scale in register with the sight opening, and a pendulum in operative connection with the wheel and consisting of an arm, a weight and a stem pivotally connected with the arm and with the weight.

1,737,937. CONTROL FOR GUNFIRE. CHARLES C. MEETZ, Baltimore, Md., assignor of one-half to Albert W. Gill, Baltimore, Md. Filed Mar. 9, 1928. Serial No. 260,528. 5 Claims. (Cl. 89-3.)

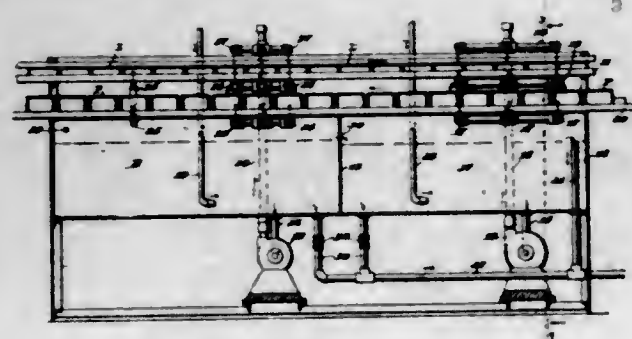


1. In a firearm having a reciprocating bolt, a fly ball governor and means for connecting the governor and the bolt to retard reciprocation of the bolt.

1,737,938. WASHER. HARRY L. MILLER, Chester, Pa. Filed Feb. 8, 1928. Serial No. 252,885. 1 Claim. (Cl. 141-1.)

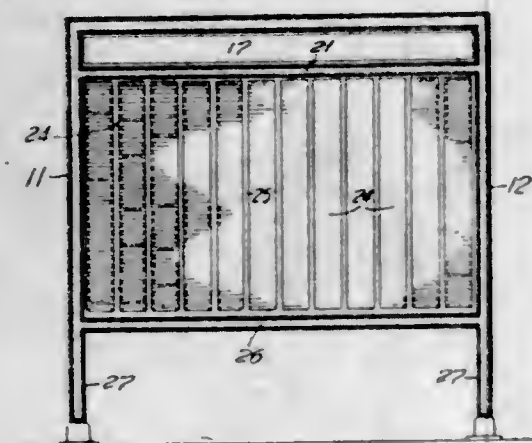
A washer for cleansing slab-molding pans and lids comprising two trackways, one above the other, on which

Inverted pans and lids may be supported, sprinkling devices arranged above, below, and between the trackways and perforated so that the upper device jets downwardly,



the lower device jets upwardly and the central device jets both upwardly and downwardly, and means for supplying liquid to said sprinkling devices.

1,737,939. ADVERTISING RACK. LAWRENCE G. MOORE, Washington, D. C., and FRANK D. PELOT, Norfolk, Va., assignors to Hotel Folder Distributing Corporation, Washington, D. C. Filed Oct. 12, 1928. Serial No. 312,177. 1 Claim. (Cl. 211—55.)

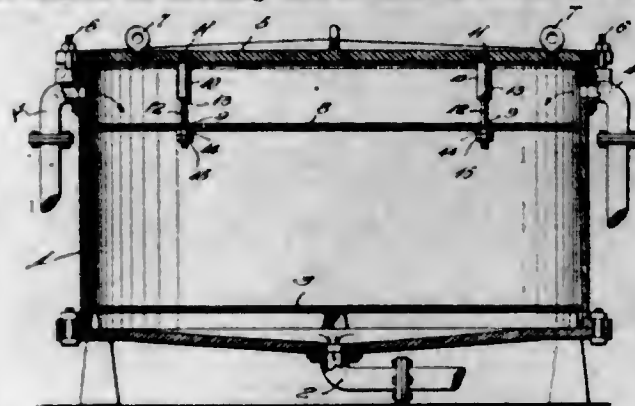


An advertising rack comprising a substantially rectangular casing having leg members supporting the same in spaced relation above the flooring, said casing having a front wall formed with a plurality of vertically extending parallel sections, each of said sections having a plurality of vertically spaced parallel slots formed therethrough, indicia carrying means detachably secured in each of said sections adjacent each of said slots, supporting standards arranged in said casing in vertical parallel spaced relation with one standard behind each of said front wall sections, lateral support elements attached to said standards and in alignment with said slots, boxes seated on said lateral supports and extending between said standards and the front wall of the casing, each of said boxes having an open front communicating with one of said slots, and means formed on the forward edges of said compartment boxes for limiting lateral movement of said boxes between said front wall and said standards.

1,737,940. RAW-STOCK-DYEING APPARATUS. FRANK M. MOATON, Phenix City, Ala., assignor of two-thirds to S. W. Jackson and W. P. Sayers, Muscogee County, Ga. Filed Apr. 5, 1929. Serial No. 352,701. 2 Claims. (Cl. 8—18.)

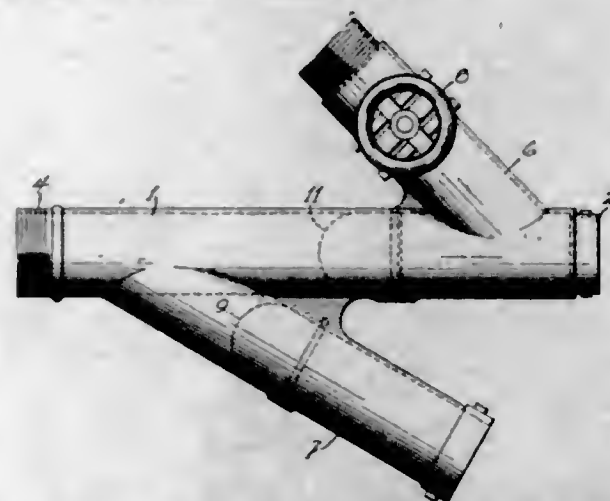
1. In a dyeing apparatus embodying a vat, a removable cover therefor and means for securing said cover; a floating batch-compressing-and-holding plate below said cover, plate-suspending means connected with the cover and plate and allowing further descent of the cover when said plate initially rests upon the vat-contained batch, said suspending means also allowing descent of said plate from

the secured cover upon shrinkage of the dye-soaked batch, and means for limiting descent of said cover with respect



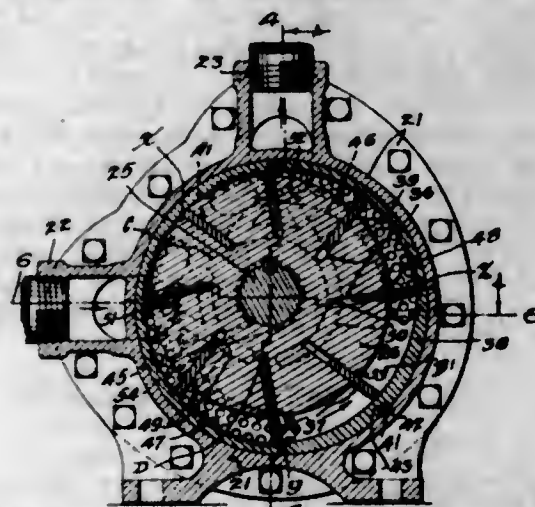
to said plate when said cover is downwardly moved to vat-closing position, whereby said plate will be downwardly forced to initially compress the batch.

1,737,941. HOSE CONNECTION. VINCENT P. O'CONNOR, Oakland, Calif. Filed Nov. 29, 1926. Serial No. 151,288. 2 Claims. (Cl. 137—13.)



1. A fitting for fire hydrants comprising a conduit threaded at one end to receive a fire hose, a branch extending from said conduit at a point adjacent one end thereof, a second branch extending from said conduit at a point adjacent the other end thereof, said branches extending outwardly from said conduit at an incline thereto, said branches being substantially parallel, a valve in one of said branches, a check valve in the other of said branches, and a check valve in said conduit between said branches.

1,737,942. ROTARY FLUID PUMP OR MOTOR. THEODORE J. PAGEL, Minneapolis, Minn., assignor to Pagel Rotary-Pump Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Nov. 18, 1926. Serial No. 149,130. 13 Claims. (Cl. 103—135.)



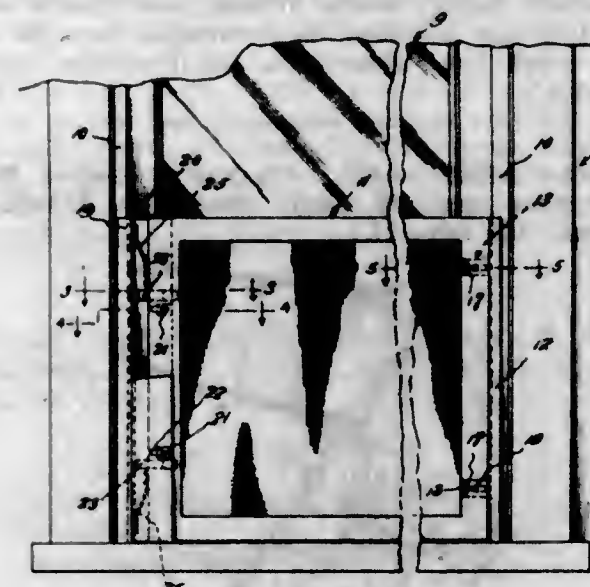
1. In a rotary fluid pump or motor, the combination with a cylinder having fluid supply and discharge pas-

sages, of a piston having blades movable outwardly beyond its body, one of which two elements is stationary and the other rotative, and which two elements afford, between their walls, a loaded chamber concentric to the piston center which loaded chamber communicates with said fluid supply and discharge passages of the cylinder only under the control of the piston blades, and which concentric loaded chamber has a radial depth, outward of the piston's body, equal to the extreme outward throw of the piston blades and has an arcuate length equal to or greater than the arcuate distance between successive piston blades, whereby there will always be at least one of said blades operating in said loaded chamber to effect a seal between said fluid supply and discharge passages and while so operating, or under load, will receive no motion relative to the piston body, and which said cylinder has a continuous bore wall affording a continuous unbroken surface with which the outer ends of the piston blades contact full length throughout the entire revolution of the rotating part of the pump or motor.

1,737,943. PROCESS FOR THE MANUFACTURE OF SUBSTANCES HAVING A DECORATIVE EFFECT. JEAN PAISSEAU, Paris, France. Filed May 19, 1927. Serial No. 192,807, and in France June 19, 1926. 7 Claims. (Cl. 18—51.)

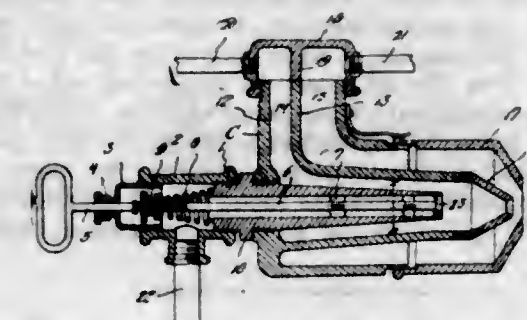
1. Process for the manufacture of substances having a decorative aspect, which consists in forming gas bubbles within a transparent or translucent plastic mass containing brilliant solid particles, and in pressing the said mass in such a manner as to flatten the bubbles thus formed, this pressure being maintained for a sufficient length of time in order that the gas contained in the bubbles will be re-absorbed in the mass.

1,737,944. WINDOW SCREEN. MAX POLLACK, Chelsea, Mass. Filed Oct. 16, 1928. Serial No. 312,803. 2 Claims. (Cl. 156—38.)



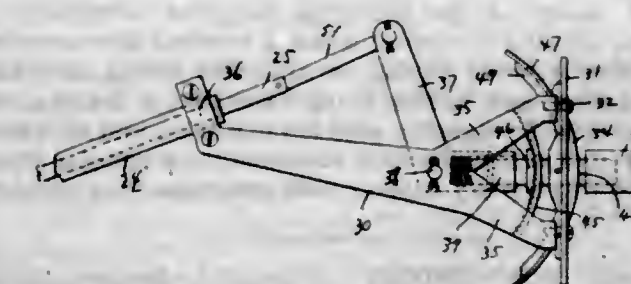
1. A window screen, including a frame, a rigid guide channel fastened to one vertical side bar of said frame, said side bar being provided with slots, and finger brackets slidably mounted in said slots, each bracket comprising a body of right angular design, whose long arm functions as a shank and is provided with an elongated slot, and whose short arm forms a finger piece, retaining screws carried by the side bar of the frame and passing through the slots in said shanks, and a spring-pressed guide channel slidably mounted on the opposite vertical frame bar of said frame.

1,737,945. LIQUID-FUEL-BURNER NOZZLE. ALBERT V. RIGBY, Sharon, Pa., assignor of one-half to Carl J. Mehler, Sharon, Pa. Filed Jan. 5, 1928. Serial No. 244,757. 1 Claim. (Cl. 299—125.)



A nozzle of the class described comprising an elongated body having a longitudinally extending bore extending from end to end thereof, one end of the body being provided with a plurality of notches, a valve closable over said end of the body, a stem extending from the valve through the bore, spiders on the stem to centralize the stem in the bore, a spring about the stem, a nut threaded on the stem at the end remote from the valve, said spring impinging against the other end of the body and the nut to urge the valve toward the first mentioned end of the body, a T threadedly engaged on said other end of the body, a cap threaded engaged in the T, a stuffing box in the cap, a rod slidable through the stuffing box in alignment with the valve stem.

1,737,946. SHUTTER MECHANISM FOR AUTOMOBILE RADIATORS. CLARENCE J. ROOD, Fergus Falls, Minn. Filed Apr. 26, 1928. Serial No. 272,957. 3 Claims. (Cl. 268—96.)



3. In a shutter operating mechanism, a bell crank lever mounted on the frame of the shutter mechanism and connected at one end to said mechanism, a bracket for

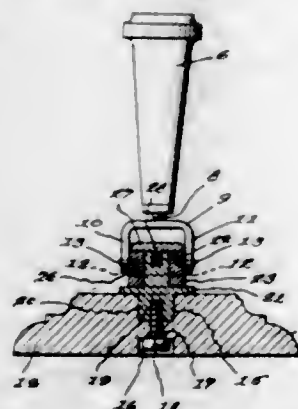
attachment on the instrument board of an automobile, a vertically swinging lever mounted on the bracket, operative connection between the bell crank lever and said vertically swinging lever, a laterally extending socket member carried by the pivoted end of the vertically swinging lever, an actuating arm having its inner end slidably secured in the socket member, a segmental rack bar arranged on the bracket, a pawl carried by the arm for cooperation with the rack bar to secure the lever in any adjusted position, said lever being operable when the arm is pushed inwardly to disengage the pawl from the rack bar, and resilient means arranged within the socket member for cooperation with the inner end of the slidable arm to normally maintain the pawl in engagement with the rack bar.

1,737,947. COLLAPSIBLE CAMP BED. WINFIELD S. RYNEARSON, Edmonds, Wash. Filed Aug. 27, 1927. Serial No. 215,903. 1 Claim. (Cl. 5—114.)



In a folding bed, a frame, spaced bars at one end of the frame and disposed transversely of the frame, said bars having square surfaces, a flexible bed bottom, bars having square surfaces secured to the flexible bottom at the ends thereof, means for removably securing one of the bars at one end of the frame, the bar at the opposite end of the bed bottom having square surfaces adapted to lie between the spaced bars of the frame, the square surface of the last mentioned bar resting against the square surface of one of the spaced bars to hold the bars against movement, and a latch member for engaging the upper surface of the last mentioned bar for holding it in position between the spaced bars.

1,737,948. DESK FOUNTAIN-PEN HOLDER. IGNATZ SALZ, New York, N. Y. Filed Apr. 17, 1929. Serial No. 355,851. 3 Claims. (Cl. 120—108.)



1. A device of the character described comprising a member adapted to support a pen, a recessed base member, a coupling element having an extension fitting into said base member and having a top extension, a bearing element rotatively engaging said top extension and an annulus rotatively engaging said extension, said annulus being adapted to pivotally support said pen-supporting member.

1,737,949. SUPPOSITORY. WILLIAM L. SCHAAF, Mount Vernon, N. Y. Filed Apr. 12, 1928. Serial No. 269,416. 5 Claims. (Cl. 128—271.)

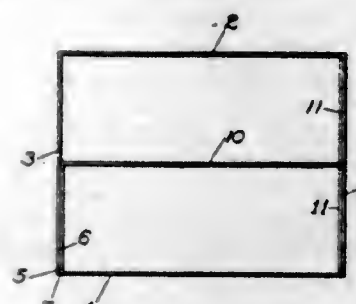
1. A suppository comprising a substantially cone-shaped hollow head open at its inner end and having in its outer

end a discharge port, the inner walls of said hollow head being tapered from said inner end toward said discharge port, a fabric tube having one end secured in the inner open



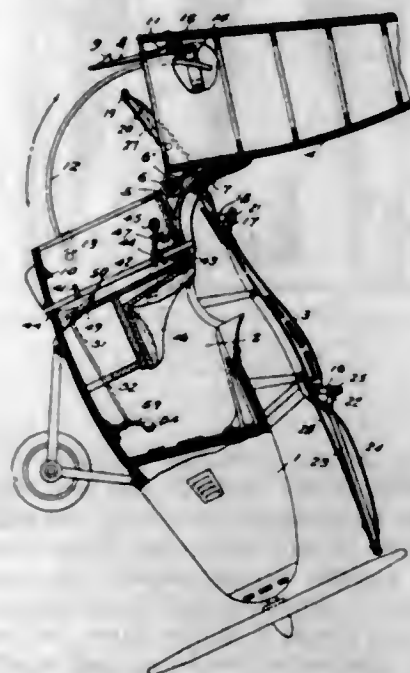
end of said head and containing a medicament and a plug in the free end of said tube and against the medicament therein.

1,737,950. CARTON. BAYARD S. SCOTLAND, Joliet, Ill. Filed Mar. 3, 1928. Serial No. 258,724. 1 Claim. (Cl. 229—27.)



An integral blank of foldable material for forming a carton comprising a body portion having four panels, another panel attached to the fourth body panel half the width of the first panel, another panel to form a partition joined thereto, and a panel joined to said last named panel half the width of the first body panel, said last named panel being divided horizontally midway of its vertical height, scores between said panels about which they may be folded, flaps extending from the body panels which form closures for the respective ends of the carton.

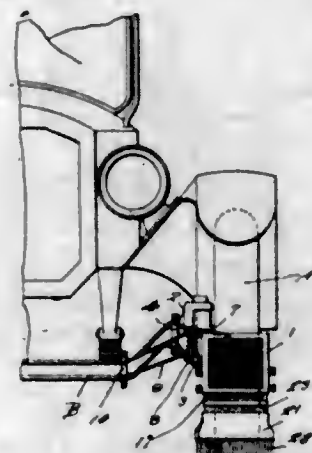
1,737,951. AEROPLANE. STRAWTHER Sisson, Hazel, Ky. Filed Sept. 15, 1927. Serial No. 219,692. 7 Claims. (Cl. 244—21.)



7. An aeroplane including a fuselage, a sustaining plane, a front emergency plane hingedly connected to the sus-

taining plane, a rear emergency plane hingedly connected to the sustaining plane, said planes being normally folded one upon the other and upon the sustaining plane, means for holding the emergency planes normally folded, said means being shiftable to release the emergency planes, and means for automatically shifting the emergency planes relative to the sustaining plane when the emergency planes are released.

1,737,952. BRUSH ATTACHMENT FOR AUTOMOBILES. MORRIS STORCH and ISAAC FRANK, Brooklyn, N. Y. Filed Nov. 23, 1928. Serial No. 321,500. 3 Claims. (Cl. 280—160.)



2. In a brush attachment for automobiles, a vertically disposed channeled frame for arrangement in front of each of the front wheels of an automobile, supporting means therefor, a screen mounted in the stationary frame, an additional frame slidably mounted in the channeled frame, a screen carried by the slidable frame, means for adjustably securing the slidable frame in any vertically adjusted position, a brush for engagement with the ground, and resilient means interconnecting the brush and the lower edge of the slidable frame.

1,737,953. MANUFACTURE OF AMMONIA. CHARLES UNFER, Geneva, Switzerland, assignor to Société d'Etudes Minières & Industrielles, Paris, France, a Corporation of France. Filed Jan. 25, 1927, Serial No. 163,552, and in France July 6, 1926. 2 Claims. (Cl. 23—198.)

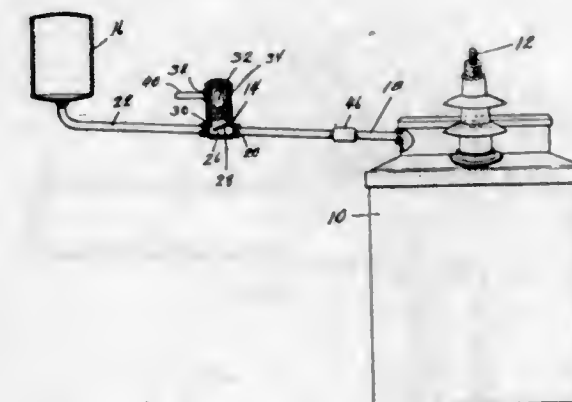
1. A process for the manufacture of ammonia, which consists in causing a heated mixture of nitrogen and hydrogen to react with at least one metal of the iron group, at least one compound of lithium containing nitrogen, and an alkali-forming halide.

1,737,954. FOUNTAIN PEN. JAMES LLOYD H. WILSON, Westboro, Ontario, Canada. Filed Dec. 24, 1928. Serial No. 328,153. 3 Claims. (Cl. 120—42.)



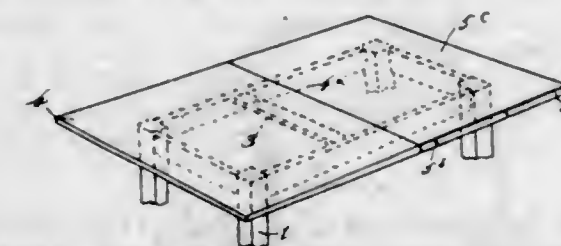
1. A fountain pen comprising a barrel; a plug, having its inner end normally fitted securely in the forward end of said barrel; a nib plug carried by the forward end of said plug; a nib-flow channel formed in said nib plug; a nib retained on said nib plug over said channel; a plurality of nipples carried by the inner end of said plug; ink sacs carried by said nipples; a partition between said sacs; an individual ink-flow duct extending from each respective nipple, which ducts converge to a common meeting point adjacent to and in communication with the inner end of said nib-flow channel and a means reciprocally mounted transversely in said plug for individually controlling the flow of ink through said ink-flow ducts.

1,737,955. ELECTRIC SWITCH AND VENTING SYSTEM THEREFOR. CHESTER D. AINSWORTH, Wollaston, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., a Corporation of Massachusetts. Filed Mar. 30, 1927. Serial No. 179,500. 11 Claims. (Cl. 220—85.)



1. The combination of a liquid containing casing and a venting system therefor including a vent pipe having an elevated conservator tank at the end thereof and a gas outlet passage between the tank and the casing, said pipe being freely open between said tank and the casing to admit the return flow of expelled liquid from the tank to the casing.

1,737,956. ADJUSTABLE TABLE. GEORGE H. ANGERT, Cincinnati, Ohio, assignor to Angert Brothers, a Partnership composed of Arthur C. Angert and George H. Angert, Cincinnati, Ohio. Filed Aug. 31, 1923. Serial No. 660,311. 2 Claims. (Cl. 45—9.)

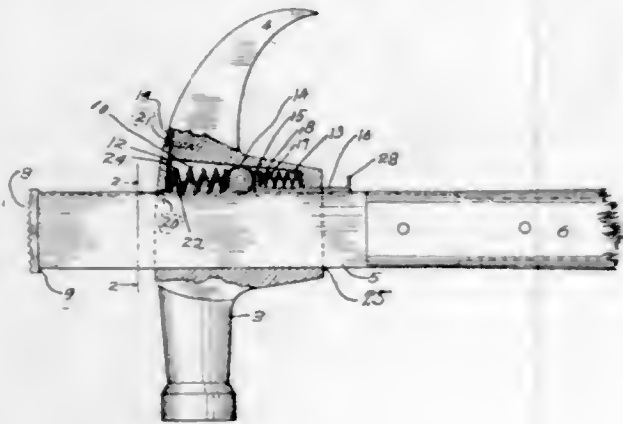


1. In a table the combination with a frame of a table top section adapted in one position to cover the frame, and having a pivot to said frame, said pivot being so located that the said top section can swing to a position at right angles to its first noted position in which case it will cover but one half of the frame, and a second top section of equal size to that first mentioned and hinged thereto along one side, said hinge being arranged so that when in the second position of the first section above described the second section will fold to a position to cover the remaining half of the table, and when folded up, said second section will be over and cover the first noted section, said second section having a porcelain cover thereon comprising a flanged metal plate set over the bottom of the second section, with the flanges embracing the edges of said section and secured thereto, the porcelain finish of which will be uppermost when folded over the top of the first section noted, the opposite side of the second section being of the same finish as the top of the first section.

1,737,957. PROCESS FOR PRODUCING HEAT-INSULATING AND SOUND-DEADENING FILLER FOR BUILDING STRUCTURES. OTTO E. BROWNELL, Des Moines, Iowa. Filed Nov. 2, 1926. Serial No. 145,856. 2 Claims. (Cl. 106—20.)

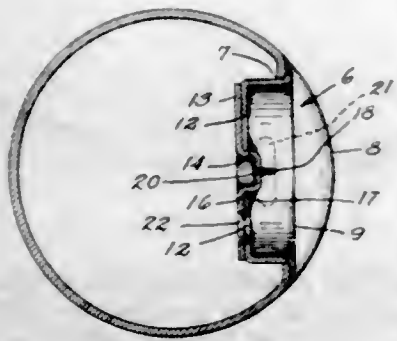
1. The process of making heat insulating and sound deadening filler for building structures consisting in the mixing of ashes of rice hulls and powdered gypsum with water to form a dry mix, said mixture being permitted to partially set, then agitating it so that it is broken up to form a loose and granular mass.

1,737,958. HAMMER WITH ADJUSTABLE FULCRUM. JOHN W. CARLSON, Salt Lake City, Utah. Filed Jan. 25, 1928. Serial No. 249,345. 5 Claims. (Cl. 254-26.)



1. A hammer, comprising a head, an eye in said head, a handle shank slidable in said eye, and automatically acting locking means between said shank and a surface formed on said head.

1,737,959. IRRIGATION PIPE VALVE. HENRY F. CONGABLE, Oakland, Calif. Filed Apr. 4, 1928. Serial No. 267,247. 4 Claims. (Cl. 251-84.)

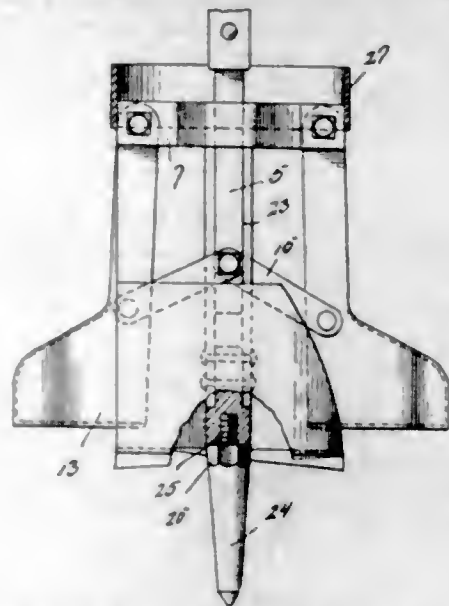


1. A valve of the character described comprising a cup-shaped body having a concentric arcuate aperture and a central hole in the closed end thereof; a disk having an aperture therein complementary to said first aperture; a hub on the disk rotatably protruding through said central hole, said hub having a transverse slot cut there-through, a frusto-conical washer positioned around said hub and bearing against the end of the cup-shaped body; and a key fixedly secured in said transverse slot, an enlarged head on the key bearing against the central portion of said conical washer, said disk being rotated by the turning of said key so as to move said second aperture relatively to said first aperture.

1,737,960. UNDERREAMER. ROY CRAMEA, Dallas, Tex. Filed Apr. 11, 1928. Serial No. 269,110. 3 Claims. (Cl. 255-76.)

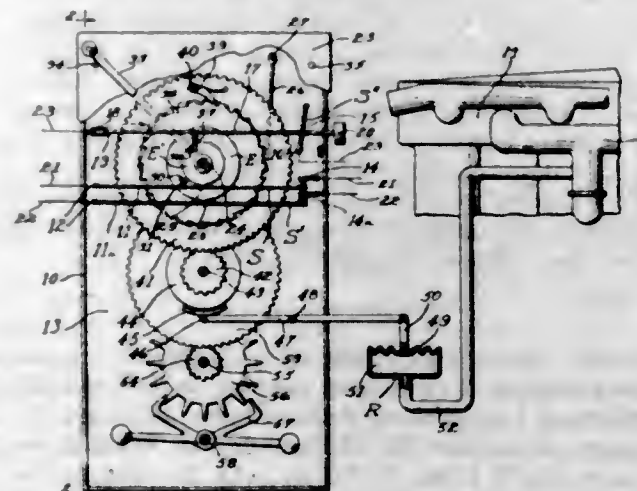
1. An under reamer of the class described comprising a post, a spike arranged at the lower end of the post and having a bifurcated upper end forming a guide for slidably receiving the lower end of the post, a supporting frame attached to the bifurcated ends of said spike, a bucket having vertically split walls, a plurality of under reamer blades normally disposed within the bucket, hangers carried by said buckets and said blades for suspending the

same from said frame, and means for connecting the lower end of the post with said blades for moving the blades



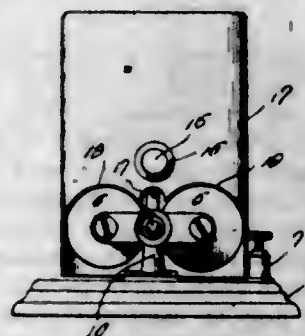
horizontally outwardly of the walls of the bucket upon the relative vertical movement between the post and said spike.

1,737,961. CIRCUIT BREAKER. FRANK P. ELLIS, Glendale, Calif. Filed June 27, 1927. Serial No. 201,937. 23 Claims. (Cl. 123-198.)



1. A circuit breaker comprising a switch, a manually operable actuator for closing the switch, a run down device operatively associated with the actuator for winding thereby in response to movement of the actuator to close the switch, said device, when wound, constantly acting to open the switch, and means adapted for association with a prime mover to restrain said device from acting so long as the prime mover is in operation, whereby when the prime mover ceases to operate, said device will operate the actuator to open the switch.

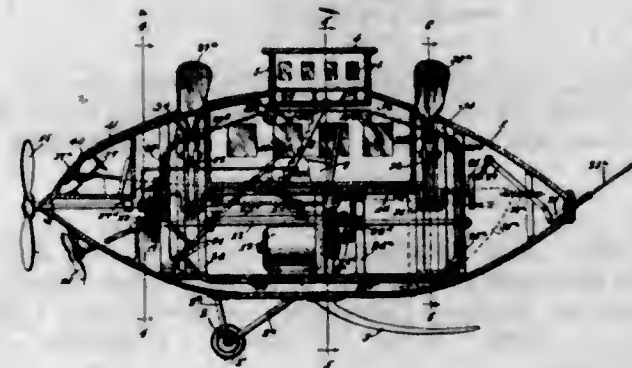
1,737,962. TELEGRAPH RELAY AND SOUNDER. ONO B. EMERSON, Allison, Iowa. Filed Dec. 18, 1927. Serial No. 239,705. 2 Claims. (Cl. 178-100.)



1. As a new article of manufacture, a sound box attachment for a conventional relay comprising a flattened

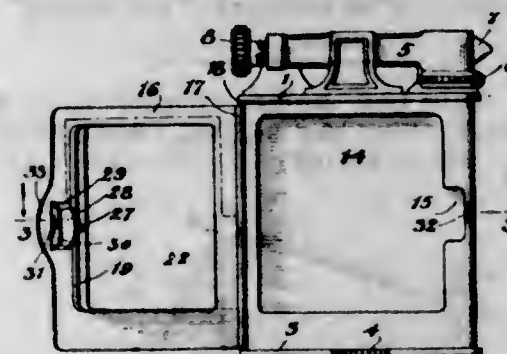
tubular body including a top wall, relatively wide side walls and relatively narrow end walls and having the lower end thereof open, the side walls having formed therein at the vertical center thereof contact screw receiving holes arranged in transverse alignment with one another, one of said side walls having magnet coil receiving notches therein, the other side wall having a biasing spring receiving opening disposed in a plane below the upper walls of said notches.

1,737,963. FLYING MACHINE. PABLO ESCOBEDO, East St. Louis, Ill. Filed Mar. 12, 1928. Serial No. 261,006. 4 Claims. (Cl. 244-25.)



1. An aerial device comprising a hollow elongated ellipsoid body, a main and a pair of symmetric auxiliary propellers at the prow thereof, means for operating them simultaneously for propulsion, variable controllable ailerons to control the direction of movement of the device and a vibratory shaft driven tail to assist propulsion thereof.

1,737,964. CIGAR LIGHTER. HARRY ESTEROW, New York, N. Y. Filed May 11, 1928. Serial No. 276,892. 2 Claims. (Cl. 206-88.)

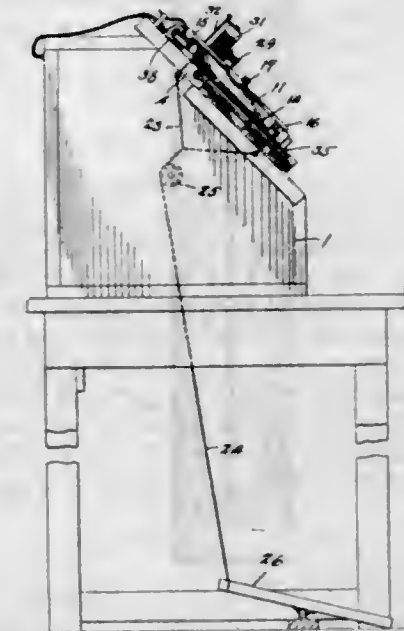


2. In a cigar lighter, a casing having a depression in one of its side walls, a cover hinged thereover, means on the back of said cover for holding a watch movement, said watch movement having a projecting winding stem, the recess in the casing being provided with a lateral extended part in which said winding stem rests when the casing door is in its closed position over the recess, said cover having an extension on one of its edges constituting a cover-raising member, and a slot in said extension through which the watch-winding stem protrudes.

1,737,965. PHOTOGRAPHIC-PRINTING MACHINE. WILLIAM A. FLOWER, Twin Falls, Idaho. Filed Feb. 18, 1927. Serial No. 169,263. 2 Claims. (Cl. 95-72.)

1. A photograph printing machine including a light box having an opening, means for supporting a negative across the opening, normally crossed mats hingedly and slidably

connected to the light box for adjustment to a supported negative, a cross strip supported by but spaced from the light box adjacent the negative supporting means, a platen



hingedly connected to the cross strip for clamping a negative to the supporting means and holding a sensitized sheet to the negative, there being a space between the light box and the cross strip for the reception of a negative slidable along the light box to position on the supporting means, a yieldingly supported clamping member adjacent the cross strip and beneath the platen, and means actuated from beneath the light box for actuating the clamping strip to bind the negative and hold it against movement relative to the light box.

1,737,966. KEY-VALVE PAD FOR MUSICAL INSTRUMENTS. WILLIAM H. GRANT, Elkhorn, Wis., assignor to Frank Holton & Co., Elkhorn, Wis., a Corporation of Wisconsin. Filed June 19, 1925. Serial No. 38,156. 23 Claims. (Cl. 84-386.)

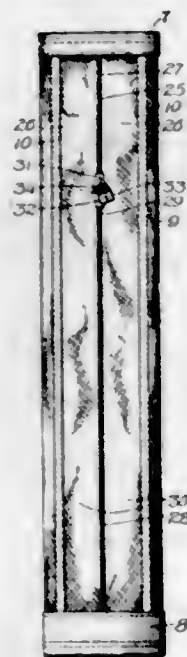


1. A key valve pad for musical instruments comprising a key valve cup having a re-entrant opening, a covering for said valve pad, and an expansible member disposed within said pad beneath said covering for retaining said pad within said re-entrant opening.

1,737,967. GOLF BAG. JOHN C. HALL, Whiting, Ind. Filed Apr. 21, 1928. Serial No. 271,792. 8 Claims. (Cl. 150-1.5.)

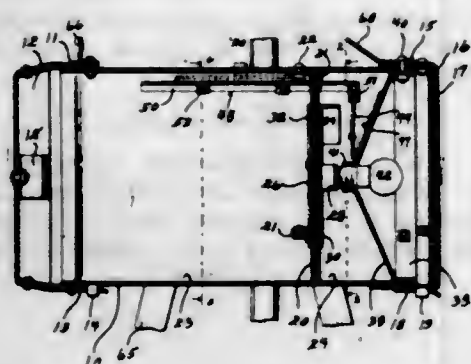
1. A golf bag having a division wall extending the length of the bag to divide the bag into separate compartments,

a ball receiving pocket arranged in one of said compartments, independent means on the side of said casing for



permitting access to said pocket and to said compartment, a cover for said compartment, and means for locking said independent means together.

1,737,968. ELECTRIC LANTERN. WILLIAM E. JACKSON, Amarillo, Tex. Filed Apr. 23, 1928. Serial No. 272,302. 6 Claims. (Cl. 240—10.5.)

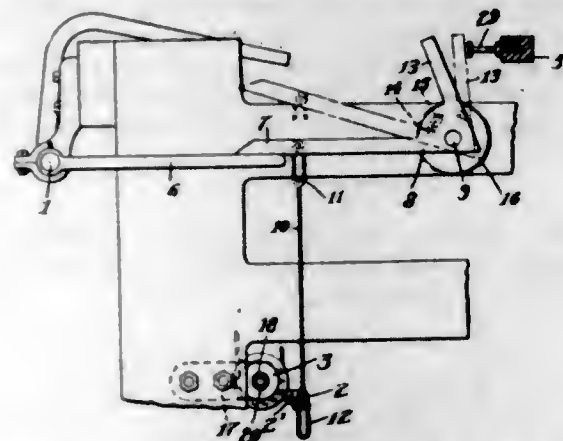


5. In an electric lantern, a tubular casing for receiving a storage-cell, an insulating disc mounted in the casing, inner and outer contacts mounted in spaced relation on the insulating disc and having portions arranged at each face of the disc, said inner contact at the face side of the disc having a yieldable contact finger and said outer contact at the face side of the disc having a contact plate, a metallic reflector mounted forwardly of the disc and having a socket portion, an electric lamp fitting in the socket portion in electrical connection therewith and having its opposite terminal engageable with said contact finger, a switch arm pivotally and electrically connected to the reflector, and operating means for the switch arm for moving the same into engagement with said contact plate for completing a circuit between the storage cell and lamp.

1,737,969. AUTOMATIC BOBBIN CLEANER. THOMAS A. LACEY, Somerville, Mass., and PHILIP H. LACEY, Troy, Ohio. Filed Apr. 13, 1927. Serial No. 183,471. 15 Claims. (Cl. 139—262.)

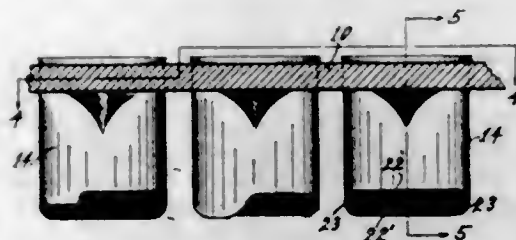
1. In an automatic bobbin cleaner for weft replenishing looms, a revoluble stripper disposed across the path of falling movement of the loose end of the yarn on an ejected bobbin, a pivoted member normally disposed substantially

parallel to the axis of rotation of said stripper, means for automatically raising said member into a position substantially at right angles to the stripper when a bobbin



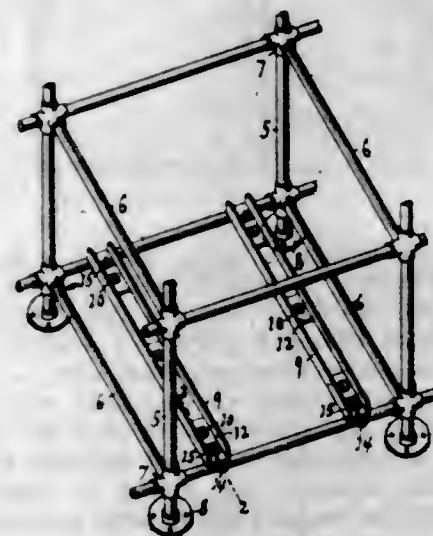
is ejected, and means subsequently operable from the lay of the loom for causing said member to whip down upon said loose end as it falls therepast and lay it over the stripper.

1,737,970. AIR HEATER. IVAR L. LANGVAND, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Feb. 2, 1926. Serial No. 85,448. 4 Claims. (Cl. 257—171.)



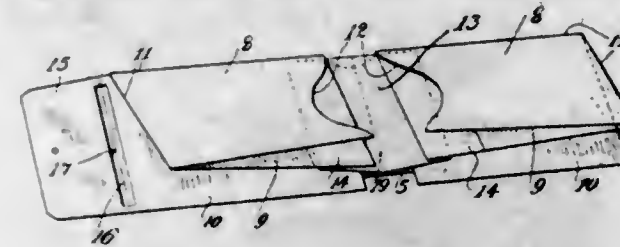
3. In a heat exchange device, a tube sheet having a plurality of tube openings therein, and a tube for each of said openings, each of said tubes being generally elliptical in cross-section and each of said openings being generally of the same cross-section as the body portion of the tube with its minor axis longer than the minor axis of the cross-section of said body portion, and the end of the tube being expanded to fit the periphery of the opening.

1,737,971. TUBULAR RACK. ALBERT LAW, Jackson Heights, N. Y. Filed Mar. 24, 1927. Serial No. 177,926. 2 Claims. (Cl. 211—182.)



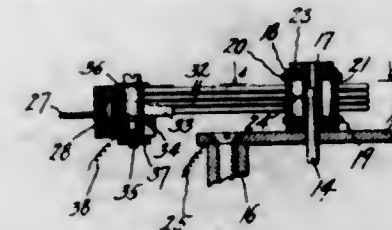
1. A rack comprising a series of posts, rails connected to the posts, channelled track members arranged to bear on the rails, rollers mounted in blocks removably attached to the bottom wall of the channel member, and clamping devices for securing each end of the channelled member to the rails, each device including a bolt having a threaded stem adjustably connected to the bottom wall of the channel member with a hook to clasp the rail.

1,737,972. BILL FOLD. CHARLES L'ENFANT, New York, N. Y. Filed Nov. 26, 1927. Serial No. 235,814. 9 Claims. (Cl. 150—38.)



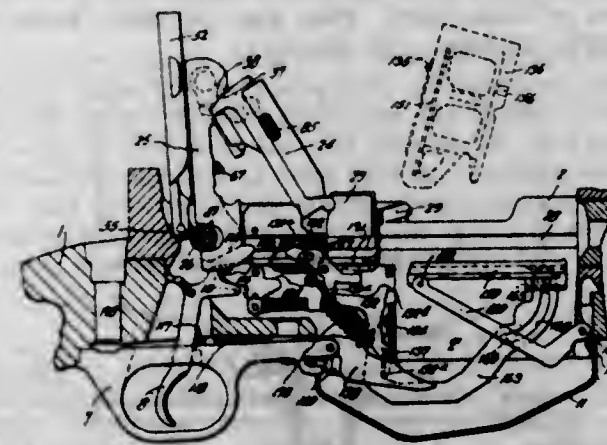
1. A billfold comprising inner and outer elongated sections forming a bill receiving pocket, said sections at one of their ends having interlocking parts for retaining said inner section in predetermined superimposed relation upon said outer section, and said outer section including a facing sheet having marginal edge portions folded inwardly upon and secured to the corresponding marginal edges of said inner section.

1,737,973. CONTACT-MAKING GAUGE. DIMMITT ROSS LOVEJOY, New York, N. Y., assignor to U. S. E. M. Company, New York, N. Y., a Corporation of New York. Filed Apr. 22, 1926. Serial No. 103,878. 4 Claims. (Cl. 200—56.)



1. A contact making gauge comprising a rotary member responsive to the physical condition to be measured, a contact segment rotatable therewith, a supporting rail surrounding said contact segment, a brush holder adjustable circumferentially on said supporting rail, a resilient brush projecting inwardly from said holder and bearing tangentially against said contact segment, and circuit connections to said contact segment and said brush.

1,737,974. MAGAZINE RIFLE. JOHN D. PEDERSEN, Springfield, Mass. Filed June 9, 1927. Serial No. 197,718. 91 Claims. (Cl. 42—3.)



5. In a gun, a breech action comprising a toggle having articulations with rolling abutting surfaces through which the firing pressure is transmitted.

26. In combination, a gun having a magazine chamber adapted to contain therein a clip of cartridges, a feeding follower for the cartridges in said clip, and a kicker separate from said follower for discharging said clip out of said chamber.

31. In combination, a gun having a breech action for opening and closing the breech, a latch for retaining a clip

of cartridges in position for loading, a trigger and mechanism actuated thereby for firing when the breech is closed, and means operable by said trigger when the breech is open to release said latch.

74. In a gun, in combination, a breech action comprising a bolt, a firing pin mounted in said bolt, a sear for holding and releasing said firing pin, a cocking piece arranged to coact with said firing pin and cock the same during the operation of the breech action, said cocking piece being adjustable in position to lock said sear against release.

1,737,975. TREATMENT OF MONTAN WAX. WILHELM PUNGS, Ludwigshafen-on-the-Rhine, and MICHAEL JAHR-STORFER, Mannheim, Germany, assignors to I. G. Farben-Industrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Feb. 4, 1928. Serial No. 252,037, and in Germany Aug. 19, 1927. 6 Claims. (Cl. 196—21.)

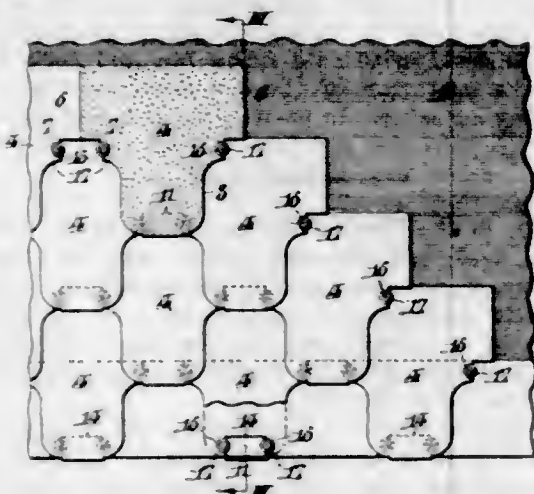
1. A process for the production of highly bleached Montan wax with improved properties, which comprises treating Montan wax with a substantially larger amount of oxidizing agents than is needed for completely bleaching the wax.

1,737,976. INTERNAL-COMBUSTION ENGINE. JOHN V. RICE, Jr., Bordentown, N. J., assignor, by mesne assignments, to Richard C. Schwoerer, Philadelphia, Pa. Filed July 9, 1927. Serial No. 205,012. 6 Claims. (Cl. 123—57.)



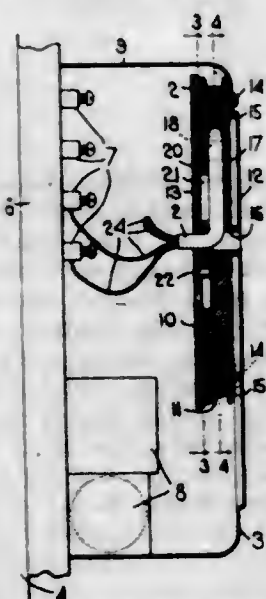
4. In an internal combustion engine, the combination of a duplex, sectional, tandem, differential cylinder, each cylinder section having an inner central fuel portion of largest diameter, an intermediate portion of smaller diameter serving as a firing chamber, and an outer elongated main portion of still smaller diameter, a stationary partition separating the two central cylinder-fuel chambers, a duplex, sectional, tandem, differential piston in the cylinder, each piston section having an inner portion of larger diameter and a main long outer portion of smaller diameter, said piston-portion of larger diameter operating in the corresponding cylinder portion of intermediate size, and said long piston-portion of smaller diameter operating in the corresponding cylinder-portion of smallest diameter, the piston section being hollow throughout, and the chambers in their long main portions of smaller diameter communicating with chambers of larger diameter in the piston-portion of larger diameter, which latter open directly into the central cylinder-fuel chambers of largest diameter and remain always in open communication therewith, thus providing in each section of the piston and the co-operating section of the cylinder a preliminary fuel compression chamber comprising a large inner cylinder-fuel-chamber, a chamber in the larger portion of the piston and a chamber in the main smaller portion of the piston, which preliminary compression chambers alternately receive fuel charges, means connecting the piston sections for joint reciprocation, and means for transferring the partially compressed charges from the preliminary compression chambers into the firing or explosion chambers for a second and final compression before ignition.

1,737,977. ROOF COVERING. GEORGE RITTER, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Sept. 21, 1925. Serial No. 57,486. 3 Claims. (Cl. 108-7.)



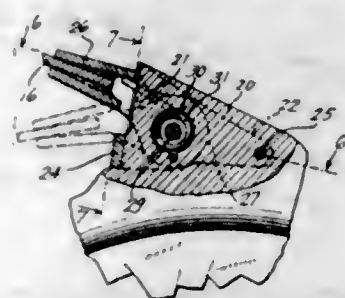
1. In a surface covering, a first row of shingles, each of which consists of a lower portion and an upper portion, the upper portion having parallel side edges contacting substantially throughout their extent with the side edges of the upper portions of adjacent shingles, the adjacent side edges of the lower portions of adjacent shingles being shaped to form pockets, each of which has a horizontal upper edge and side edges, and a second row of similar shingles overlapping the first row, the shingles of said second row being provided with tabs at their lower edges, said tabs having the configurations of the pockets and being turned under the shingles of the second row and lying within the said pockets in the plane of the shingles of the first row.

1,737,978. TELEPHONE CORD TAKE-UP. HARRY SEWELL, Boston, Mass. Filed Nov. 15, 1926. Serial No. 148,325. 1 Claim. (Cl. 179-155.)



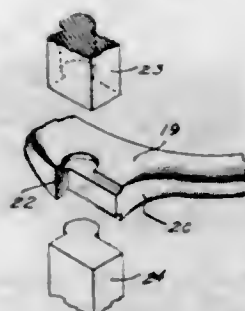
In a telephone cord take-up, the combination with a telephone instrument, a telephone cord and the usual signal box having within it terminals to which the wires of the telephone are secured, of a supporting plate within the box adjacent the front wall thereof, a take-up pulley located between said plate and said wall of the box, and adapted to wind thereon or let-off therefrom a portion of the telephone cord between the telephone instrument and the terminals of the signal box, said pulley having a hub, one end of which is journaled in said plate and the other end of which is journaled in the wall of the box, the side of the pulley adjacent the plate being recessed, and a coil spring located in said recess and confined between the wall thereof and said plate, one end of said spring being secured to said plate and the other to said pulley.

1,737,979. EYEGLASS CONSTRUCTION. FRANK A. SHORT, Hillside, N. J. Filed Nov. 17, 1926. Serial No. 148,822. 16 Claims. (Cl. 88-44.)



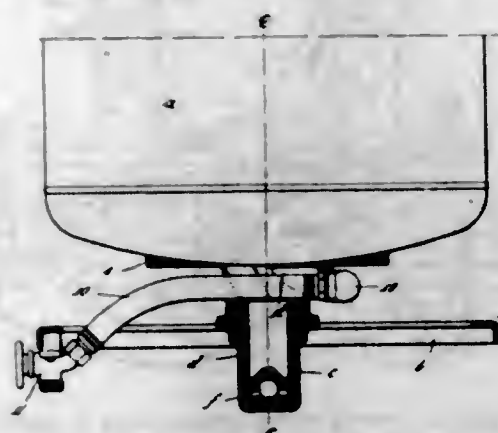
8. In eyeglass construction, in combination, a non-metallic rim member, a bridge member having at its end portion a pair of spaced metal ears embracing the sides of a portion of said rim member, a pivot pin passing through said ears and through said rim member for pivotally connecting said rim and said bridge, and metallic means interposed between said ears and the surfaces of said non-metallic material to provide metallic bearings for said ears as they swing about said pivot.

1,737,980. EYEGLASS CONSTRUCTION. FRANK A. SHORT, Hillside, N. J. Filed Jan. 10, 1927. Serial No. 160,047. 7 Claims. (Cl. 88-44.)



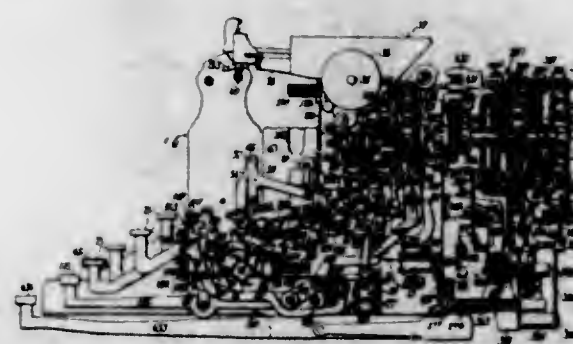
1. The herein described art of connecting a metal part to a celluloid rim member in making eyeglass frames which consists in compressing a portion of the rim member to form indentations in the celluloid surface on both sides of the rim, inserting portions of the metal member in said indentations, and clamping said portions with said compressed celluloid therebetween.

1,737,981. DRAIN FOR WASHING MACHINES. CHARLES F. SMITH, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Aug. 14, 1926. Serial No. 129,240. 1 Claim. (Cl. 68-18.)



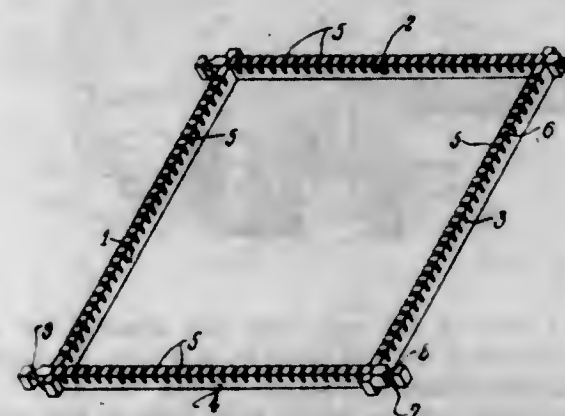
In a washing machine and in combination, a base, an oscillating tub, a spider journaled in said base and carrying said tub, and a drain connection including a flexible hose connected at one end to said base at one side of the axis of oscillation of said tub and at its other end to said tub on the other side of the axis of oscillation thereof, said hose extending diametrically through said spider and through the axis of oscillation of said tub.

1,737,982. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1926. Serial No. 153,231. 66 Claims. (Cl. 197-17.)



1. The combination with typewriting mechanism, including types and a carriage, of a single motor for returning said carriage, a single key-controlled revoluble spring-motor for operating all of said types, and means whereby said single motor is automatically caused to rewind said spring-motor for a multiplicity of type-operations when said spring-motor has become unwound from having successively operated a multiplicity of types.

1,737,983. LOOM. EMMA B. STOTT, Chicago, Ill., assignor to Milton Bradley Company, Springfield, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1928. Serial No. 322,998. 3 Claims. (Cl. 28-15.)

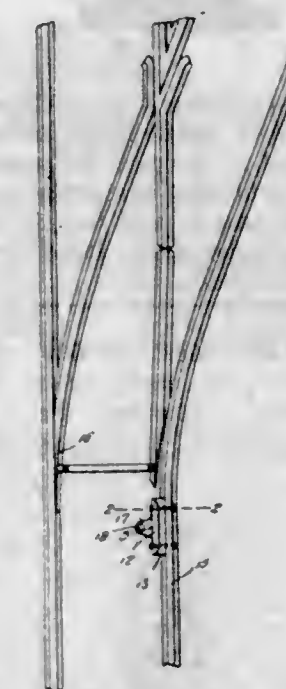


1. A loom frame comprising separate members, each having a plurality of spaced slots on one edge intermediate the ends thereof, a notch on the opposite edge at each end of said members, and grooves on each side of said members registering with said end notches, the end notch and grooves of one member being adapted for engagement with one of the spaced slots of one of the other members to form frames of various sizes.

1,737,984. RAILWAY-SWITCH-POINT PROTECTOR. WILLIAM J. TREGO, Hutchinson, Kans. Filed Dec. 22, 1927. Serial No. 241,916. 1 Claim. (Cl. 246-441.)

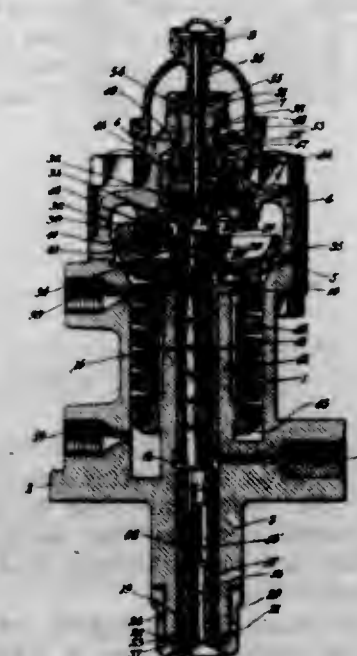
In a switch point protector for railways comprising a body having one side shaped in conformity with the contour of the side of the rail below the rail head and snugly fitted against one side of the rail between the head and the flange thereof to provide a non-yielding support for the head and the entire side of the rail, said body having its opposite side extending in a vertical plane above and below said first named side whereby to form a supporting base at the bottom of the body and a flange at the top thereof, said flange being disposed in spaced relation with the rail head and providing a passageway therebetween for

the flange of a car wheel in passing over the rail and adapted when placed in a predetermined position upon the rail to guide the wheel onto the switch section, and a brace formed at the side of the body remote from the



rail with the lower portion thereof providing an extension of the supporting base and having a spike hole formed in said lower portion of the brace whereby to receive a spike to prevent creeping of the rail.

1,737,985. FUEL-OIL VALVE. CHARLES M. TURSKY, New York, N. Y., assignor to Whaley Engine Patents, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 18, 1925. Serial No. 76,160. 7 Claims. (Cl. 299-133.)



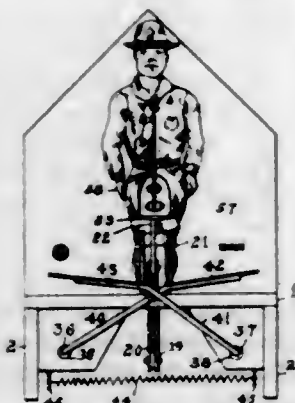
1. A valve having a movable valve member, means tending to hold said member in closed position, and means operated by the valve controlled fluid and coaxing with said holding means to increase the force tending to hold said member in closed position.

- 1,737,986. RIBBED INNER SOLE. PERCY W. VALENTINE, Natick, Mass. Filed Feb. 6, 1929. Serial No. 337,817. 3 Claims. (Cl. 36-22.)



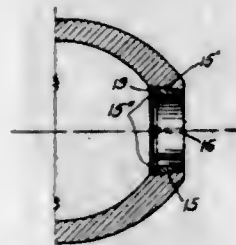
1. An innersole comprising a sole body and an attached rib formed of a strip of textile fabric folded double longitudinally to make the rib proper, the plies folded by such fold being then bent outward oppositely to one another at the base of the rib proper, and one of said plies being doubled back and extended under the other ply.

- 1,737,987. SIGNALING MECHANISM. JAMES A. WELLINGTON, Westmont, Pa., assignor of one-half to Ray Patton Smith, Esq., Johnstown, Pa. Filed Nov. 27, 1928. Serial No. 322,176. 20 Claims. (Cl. 116-18.)



1. In a signaling device, the combination of a horizontally disposed shaft arranged for rotation on its longitudinal axis, a flag-staff mounted on said shaft and normally extending in angular relation thereto, selective means for rotating said shaft whereby said shaft may be dipped to either side, and means for dipping said staff in a substantially vertical plane which includes the axis of said shaft.

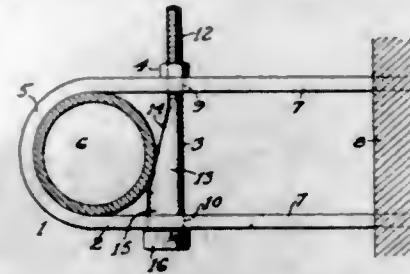
- 1,737,988. BOILER. BENJAMIN B. WHITTAM, Elizabeth, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Mar. 20, 1927. Serial No. 179,232. 11 Claims. (Cl. 29-148.2.)



1. A method of mounting a manhole cover within a drum, including the steps of inserting the cover through an opening into the drum, inserting parts of a sectional manhole bushing within the drum, assembling said parts in place to form a bushing, and uniting the parts into an integral bushing.

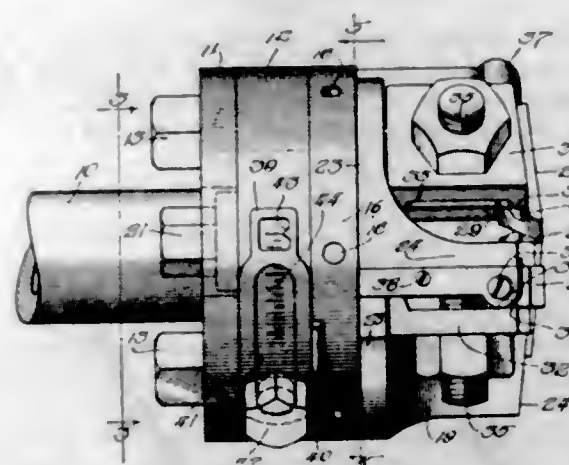
4. A method of mounting a manhole cover within a drum, including the steps of forming a manhole bushing in sections and making a cover therefor, preparing an opening in a drum to fit said bushing, inserting the cover within the drum and through the opening thereof, inserting the sections of said bushing through said opening into said drum, assembling said sections in place fitting the opening in the drum, welding the sections into an integral manhole bushing, and mounting the cover in position.

- 1,737,989. PIPE SUPPORT. GEORGE WOLLENSCHLAGER, New York, N. Y. Filed June 16, 1928. Serial No. 285,859. 1 Claim. (Cl. 248-36.)



A pipe support having the combination of a band adapted to embrace the pipe, the arms of said band having a pair of openings, a bolt having a threaded end adapted to pass through one of said openings, said bolt having an oblique side adapted to bear against the pipe, said bolt having a flattened end adapted to pass through the other of said openings and being prevented from rotation by engagement therewith, and a nut on said threaded end drawing the bolt to force the pipe against the band.

- 1,737,990. CUTTING TOOL. ANDREW BENSON, Chicago, Ill. Filed Jan. 18, 1926. Serial No. 52,027. 8 Claims. (Cl. 29-105.)



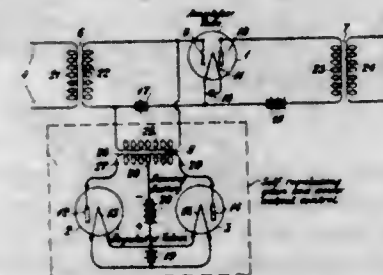
1. In a tool of the box type, the combination of a head, a plurality of tool holders pivotally mounted on the head and disposed radially around the axis of the work, tools mounted on the forward ends of said holders and adapted to swing toward and away from the axis of the head, the cutting edge of each of said tools extending in a plane approximately perpendicular to the longitudinal axis of the work, pins on said holders arranged at some distance from the pivots, a cam ring rotatably mounted on the head and having cam slots for receiving said pins, means for turning the ring whereby the pins will move toward and away from the center to swing the tool holders, and means for holding the ring in adjusted position.

- 1,737,991. FLOWER HOLDER. HERBERT H. BORCHERS, Napa, Calif. Filed July 13, 1928. Serial No. 292,481. 3 Claims. (Cl. 47-41.)



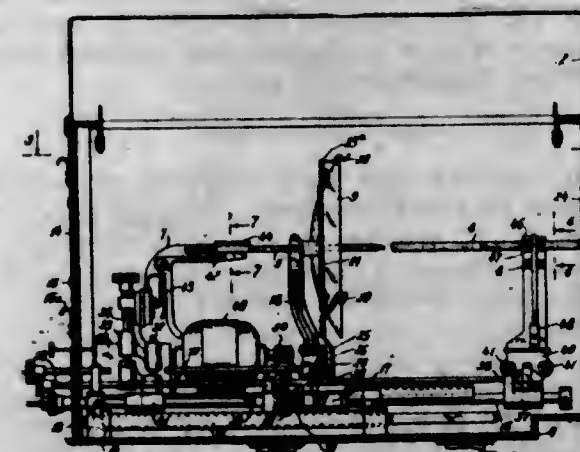
1. In a flower holder a perforated body having a central substantially dome-shaped portion and an outwardly deflected contact edge, and a packing member carried by said edge to engage a wall of a bowl.

- 1,737,992. VOLUME-CONTROL SYSTEM. LEE G. BOSTWICK, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 6, 1925. Serial No. 13,575. 10 Claims. (Cl. 179-171.)



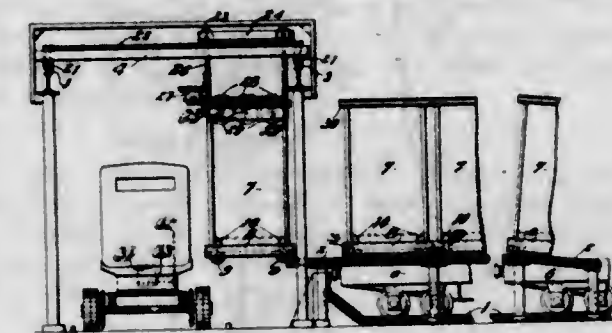
1. In combination, an amplifier of the three-electrode type having an input and an output circuit, a source of direct potential, two electric valves which may be connected in multiple to said source of potential, each valve consisting of an electron-emitting cathode and an anode enclosed in an evacuated tube, and a winding connecting said anodes, the negative terminal of said source of direct potential being connected to the middle of said winding connecting said anodes and the positive terminal to said cathodes, said winding being inductively connected to a winding in the input circuit of said amplifier.

- 1,737,993. PROJECTION APPARATUS. LESTER W. BOWEN, Hasbrouck Heights, N. J., assignor to Griffen & Rowen, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 28, 1925. Serial No. 53,022. 6 Claims. (Cl. 88-24.)



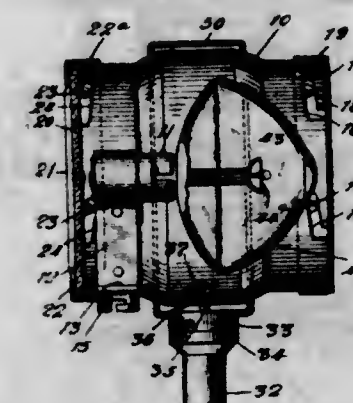
1. An arc lighting unit of the class described for motion picture projectors contained within the lamphouse of the projector which comprises a frame portion and supporting bars rigidly associated with said frame portion and constituting essentially a part thereof, said bars having a sliding engagement with the lamphouse, whereby the lighting unit may be shifted bodily with respect to the lamphouse, guide members extending longitudinally of said lighting unit, electrode holders mounted for longitudinal movement with respect thereto, and adapted to carry the electrodes in end to end parallel relation, adjusting means for effecting such movement of said electrode holders, means for independently adjusting one of said electrode holders in a vertical direction, and means for adjusting the other of said electrode holders in a horizontal direction, whereby alignment of the electrodes with their longitudinal axes in the same straight line is effected.

- 1,737,994. METHOD AND APPARATUS FOR TRANSFERRING FREIGHT. ABNER F. CALLISON, Buffalo Creek, Colo. Filed June 6, 1922. Serial No. 566,335. 20 Claims. (Cl. 214-1.)



1. In a freight transferring system, a railway track, a ramp track paralleling said railway track, an overhead carrier adapted to travel longitudinally and transversely of said ramp track, a truck roadway inclined beneath said carrier, a cargo container provided with wheels to ride on said ramp track and provided with a rail to ride upon said carrier, and means for engaging said container horizontally to move it with a car on said railway track and similar means for moving the container with a truck on said roadway.

- 1,737,995. HEADLIGHT. HERWARD LESTER COOKE, Princeton, N. J., assignor to Cooke Patents Incorporated, New York, N. Y., a Corporation of Delaware. Filed Nov. 16, 1925. Serial No. 69,238. 3 Claims. (Cl. 240-41.)

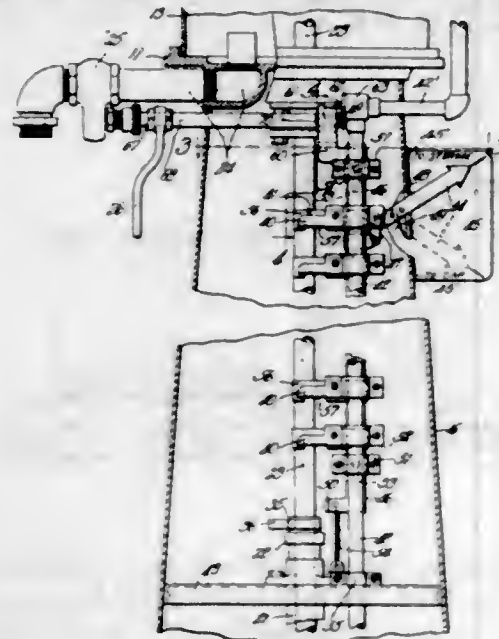


1. In a headlight, an open ended casing, means for detachably holding a glass or lens over one end thereof, a detachable cover for said other end, socket means in said casing for holding the bulb, means securing said casing to a standard of a vehicle comprising a strap securable to said standard, means for preventing rotation of said casing in said strap, comprising a stud on said standard and a slot in said casing engaging said stud, said slot allowing for adjustment in a longitudinal direction.

- 1,737,996. LIQUID-DISPENSING APPARATUS. JOHN B. DAVIS, Springfield, Mass., assignor to Glibert & Barker Manufacturing Company, West Springfield, Mass., a Corporation of Massachusetts. Filed July 26, 1926. Serial No. 124,985. 7 Claims. (Cl. 221-100.)

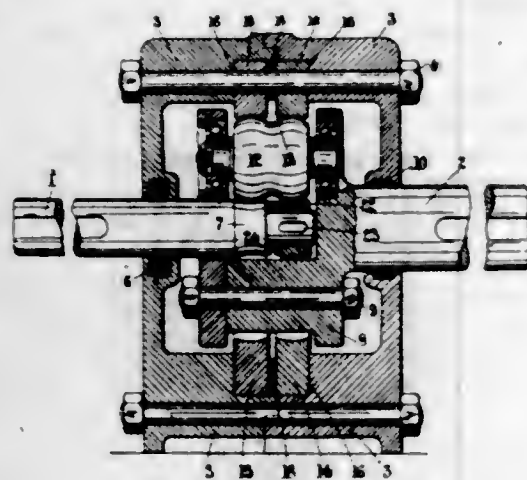
1. In a liquid dispensing apparatus, a plurality of quantity stops, a movable member adapted to be selectively engaged with any of said stops to set the apparatus for

the discharge of various predetermined quantities, and an indicator common to all said stops and movable by the



operation of engaging said member with any one thereof to indicate that the apparatus is set for the discharge of some one of said predetermined quantities.

1,737,997. MEANS FOR THE TRANSMISSION OF POWER. CHARLES GEORGE GARRARD, London, England, assignor to Garrard Gears Limited, London, England, a Company of Great Britain. Filed Aug. 15, 1923, Serial No. 657,552, and in Great Britain Aug. 28, 1922. 5 Claims. (Cl. 74-34.)

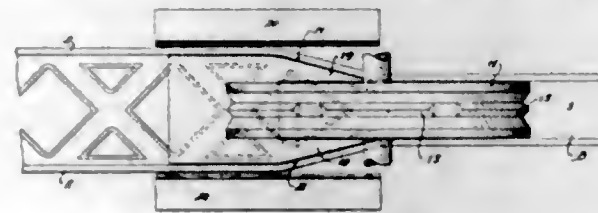


1. A transmission gear of the type described, comprising rollers and fixed and movable race tracks having curved faces, a rotatable cage, said rollers being mounted in said cage for rotation about their axes, said rollers contacting with both the fixed and movable race tracks, and control means forming part of the gear whereby longitudinal pressure may be applied between the faces of said rollers and said races to make it at least initially operative, said rollers and races being so constructed that on application of the said pressure the angle which the lines representing the normals at the center of the contact areas to the surfaces in contact make with the plane at right angles to the main axis of the gear do not exceed 10°, said rollers and races being divided into one or more pairs of parts and said control means acting between the parts of one of said pairs.

1,737,998. METHOD OF EXPANDING METAL. HARVEY M. GERSMAN, Buffalo, N. Y. Filed Oct. 9, 1926. Serial No. 140,522. 17 Claims. (Cl. 80-66.)

17. The method of making an expanded load bearing member from a heated flanged rolled blank which consists

of the steps of scoring and rolling the web of the blank in a single roll pass to form rows of slits and elongate the parts between the slits, of laterally deflecting the rolled parts immediately on their emergence from the roll pass to



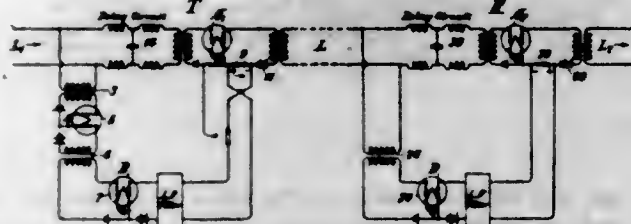
cause an increase in the width of the blank progressive with and proportionate to the elongation, thereby to form the blank into open work, and of arresting the lateral deflection on the termination of the elongation, thereby to deliver from said roll pass a complete expanded beam.

1,737,999. INSULATOR. WALTER T. GODDARD, Hamilton, Ontario, Canada, assignor to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed Dec. 4, 1922. Serial No. 604,736. 5 Claims. (Cl. 173-321.)



4. A thimble for mounting an insulator upon a pin, comprising a pair of similar members formed with pressed screw threads interengaged to provide a lock, one member being adapted to be firmly embedded within the insulator and the other being adapted to be screwed snugly upon the pin, said members conforming to each other and being spaced apart throughout their threaded portions for permitting expansion of the parts.

1,738,000. MEANS FOR AND METHOD OF VOLUME CONTROL OF TRANSMISSION. ESTILL I. GREEN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 5, 1926. Serial No. 127,394. 6 Claims. (Cl. 178-44.)

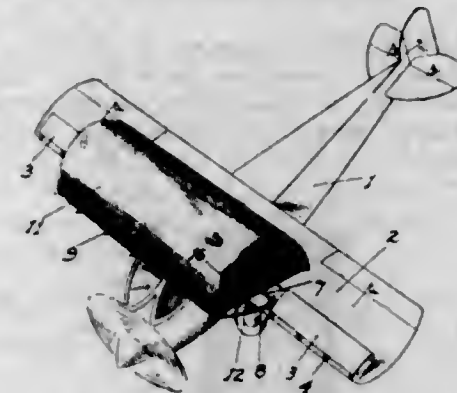


1. In a signaling system, a transmitting station, a source of a telephone current wave of varying volume, means for amplifying the wave, means associated with and adapted to modify the amplification factor of said amplifying means in accordance with a power of the envelope of the telephone current wave, said power being less than unity.

1,738,001. SAFETY APPLIANCE FOR AEROPLANES. CHARLES H. GUNN, San Francisco, Calif. Filed June 4, 1928. Serial No. 282,546. 5 Claims. (Cl. 244-21.)

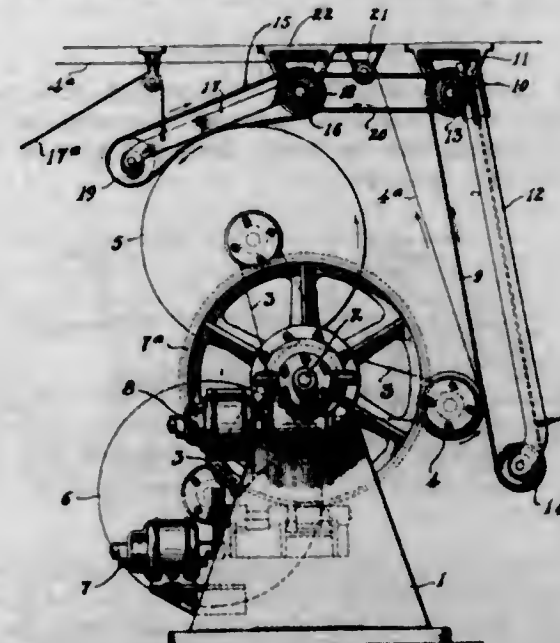
5. A safety appliance for an aeroplane having a wing, comprising a normally folded fabric sheet secured along its rear edge to the wing rearwardly of the forward edge there-

of, means applied to the forward edge of the sheet for unfolding the same and pulling said forward edge upwardly and forwardly in a manner to cause air pressure then exerted against the sheet from below to belly the sheet con-



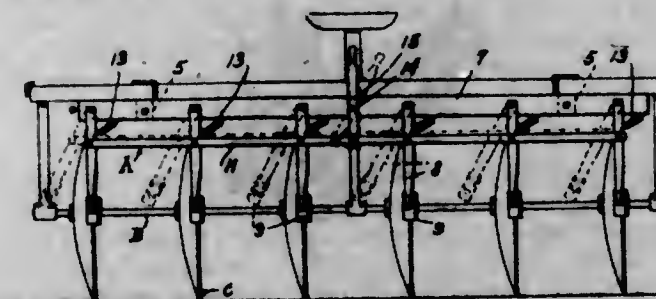
cavely relative to the wing, and foldable end pieces secured to the end edges of the sheet throughout their extent to form end closures for the area covered by the sheet when the latter is outstretched and in concave form.

1,738,002. MEANS FOR MAKING HIGH-SPEED PASTERS. EDWIN W. HAMMER, East Orange, N. J., assignor to Cline Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 11, 1925. Serial No. 14,637. 7 Claims. (Cl. 242-58.)



5. In an apparatus of the character described the combination of a rotatable magazine reel adapted to carry a plurality of rolls of paper, rolls of paper mounted thereon, a normally inactive but press-driven belt, means by which said belt may be brought in contact with a fresh roll of paper having adhesive applied to the outer end thereof to rotate the same and bring it to web-speed, and means for rotating the reel to produce a paster of the new web to the traveling web from the expiring roll.

1,738,003. DISK-HARROW SHARPENER. FRANK F. HILL, Embarass, Minn. Filed Jan. 16, 1928. Serial No. 247,143. 2 Claims. (Cl. 97-221.)

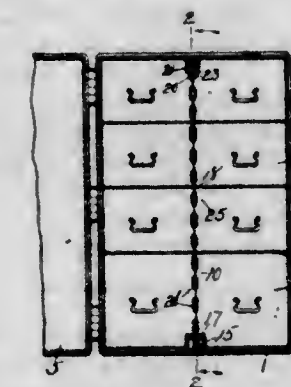


1. In a sharpening device for disk harrows including a frame bar, a supporting bar mounted upon and in spaced

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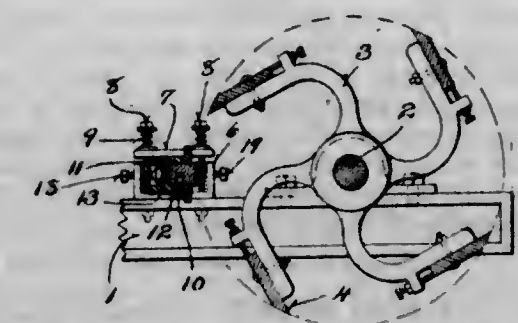
parallel relation with the frame bar of the harrow, a plurality of arms pivoted to the frame bar and depending therefrom, said arms being similar in number to the number of the harrow disks and being mounted upon the bar adjacent said disks, an abrasive block arranged upon the lower end of each arm, means for normally so swinging the arms as to cause the blocks to have engagement with the edges of the disks, and manual control means whereby the arms may be swung away from the disks and locked in such a position.

1,738,004. DRAWER FASTENER. BENEDICT M. HOLDEN, Hartford, Conn., assignor to The Gramarben Company, Hartford, Conn., a Corporation of Connecticut. Filed Apr. 15, 1927. Serial No. 184,136. 16 Claims. (Cl. 45-7.)



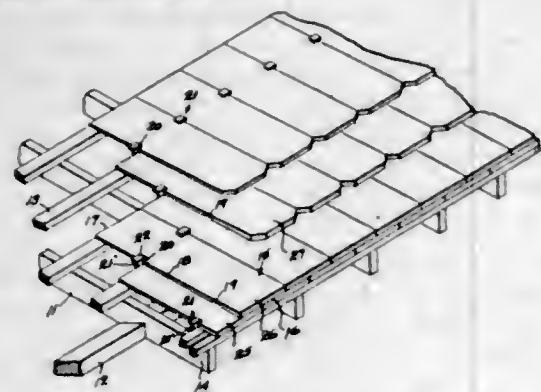
1. A case having a plurality of pockets therein, a closure for each pocket, extensible means attached to the case and longitudinally movable across the closures of said pockets to lock them against access thereto, and means carried partly by the case and partly by the extensible means for securing the latter in different extended positions to lock any of said pockets.

1,738,005. SHARPENER FOR FEED CUTTERS. CHARLES A. HOLM and MARTIN HOLM, Tigerton, Wis. Filed Sept. 2, 1926. Serial No. 133,230. 2 Claims. (Cl. 51-250.)



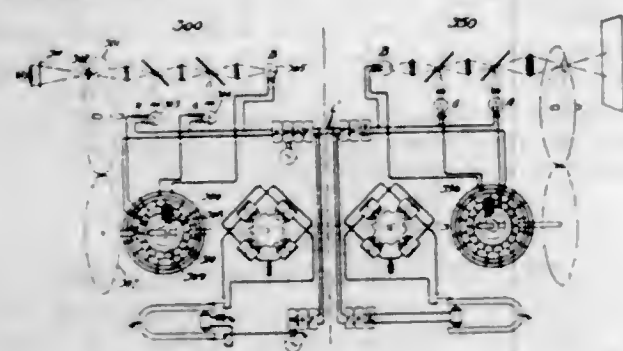
1. In a device of the class described, spaced frame members, a bracket upon each frame member, spaced lugs carried by each bracket and including a front and rear lug, a holder supported upon said brackets, means yieldably retaining the ends of the holder in position on the brackets, adjustable means for limiting lateral movement of the holder in one direction, said holder comprising upper and lower plates and a sharpener stone arranged between said plates, with one of its longitudinal edges extending beyond one of the edges of said plates, an upstanding flange on the bottom plate forming a stop for the stone, said flange having a socket at each end thereof, rubber blocks arranged within the sockets and adjusting screws carried by the rear lugs of the brackets and having ball end portions for engaging the rubber blocks to provide for yielding movement of the stone.

1,738,006. ROOFING. WILLIAM H. HOUGHTON, Los Angeles, Calif. Filed Apr. 18, 1928. Serial No. 270,936. 5 Claims. (Cl. 103-9.)



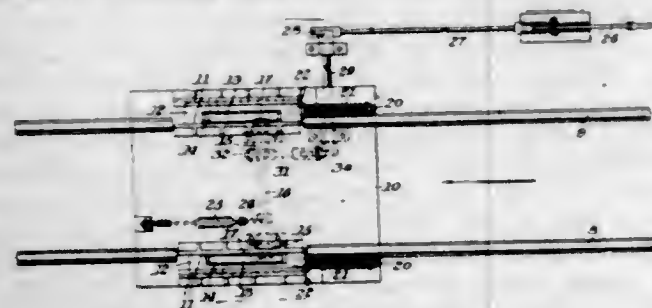
1. A roof having in combination roof laths, a plurality of rows of shingles, said shingles having slots in their side edges and cross grooves on the under surface, and metal ties having a web structure adapted to extend through the said slots and with a top flange to extend over the surface of the shingles through which the webs extend, the upper end of a lower row of shingles abutting against the said web, the middle of three rows having the ties extending therethrough and the upper of three rows having the said top flange fitting in the cross grooves.

1,738,007. TELEVISION. HERBERT E. IVES, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed May 20, 1926. Serial No. 110,378. 7 Claims. (Cl. 178-6.)



1. In a system for the transmission of views, means for repeatedly scanning the view including a plurality of selective light responsive elements and means for illuminating said elements in succession by light of different colors respectively from said view, sources of light of different colors, means for rendering said light responsive elements successively effective for controlling the light from said sources, and means for synthesizing the light from said sources to produce an image.

1,738,008. CAR-STOP DEVICE. GEORGE M. JOHNSON, Jeannette, Pa., assignor to Fort Pitt Mine Equipment Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 14, 1927. Serial No. 219,433. 14 Claims. (Cl. 104-253.)



1. Car stop structure comprising a horn for co-operating with car wheels, yieldably actuated means for releasing said horn, and a yieldably actuated means for releasing said horn.

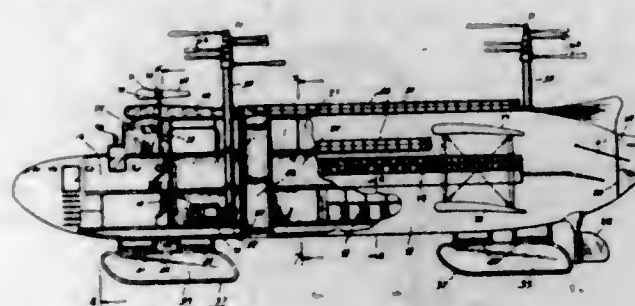
leasably holding said horn in elevated operative position, an operating lever for moving the horn to inoperative position, and a lost motion connection between said lever and said horn.

1,738,009. INSULATOR. PHILLIP J. KAYATT, Yonkers, N. Y., assignor to American Neon Light Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 10, 1928. Serial No. 245,651. 5 Claims. (Cl. 173-328.)



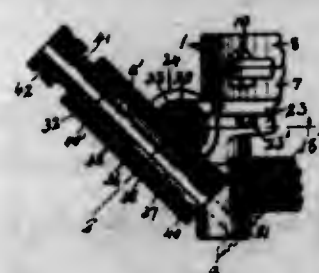
1. In a device of the kind described, the combination with a shell and a cap, of a removable bushing slidably mounted on the wall of said shell and held against movement by said cap.

1,738,010. FLYING MACHINE. HERMAN H. D. KLINKER, New York, N. Y. Filed Apr. 28, 1927. Serial No. 187,242. and in Germany Jan. 24, 1927. Renewed Apr. 19, 1929. 1 Claim. (Cl. 244-15.)



An air ship having a body with an air passage extending vertically therethrough, a propeller in the air passage for forcing currents of air downward therethrough, and an outer propeller above the said body, said outer propeller having a vertical axis and being disposed adjacent to said air passage, the blades of the outer propeller being pivoted to gravitate into vertical position when idle.

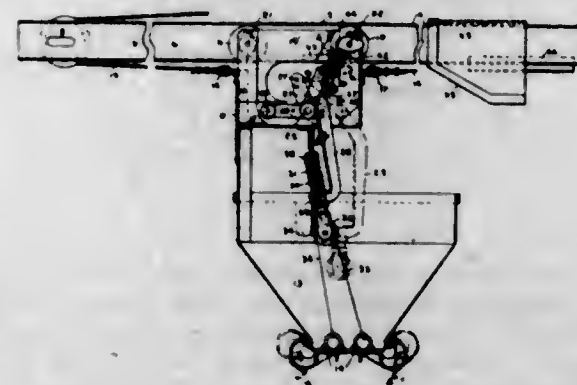
1,738,011. MACHINE FOR GRINDING VALVES AND ANALOGOUS OBJECTS. JAMES HENRY LITTLE, Manlius, N. Y., assignor to S. Cheney & Son, Manlius, N. Y., a Corporation of New York. Original application filed Jan. 29, 1925. Serial No. 5,603. Divided and this application filed May 13, 1926. Serial No. 108,820. 6 Claims. (Cl. 279-55.)



1. A work holder for rotary abrasive grinders comprising a rotary driving shaft, a rotary driven shaft tangential to the driving shaft and geared directly thereto

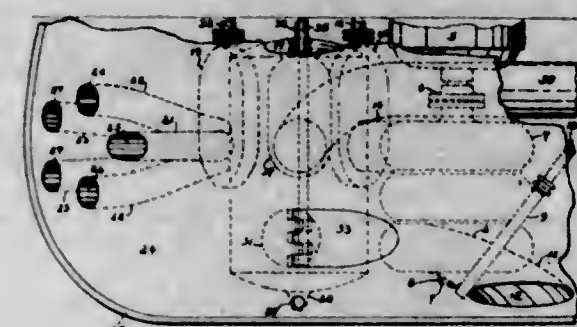
to receive motion therefrom, a rotary sleeve tangential to the driven shaft and geared directly thereto to be rotated thereby, a chuck mounted within the sleeve to rotate therewith for receiving and engaging the work, and means for tightening and releasing the chuck upon and from the work.

1,738,012. BUCKET-OPERATING MECHANISM FOR CONCRETE DISTRIBUTORS. JOSEPH C. LUKACHOVIC, Dunellen, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a Corporation of New Jersey. Filed Feb. 23, 1928. Serial No. 256,137. 10 Claims. (Cl. 214-59.)



9. In a concrete distributing machine the combination of a mixer, a boom supported adjacent thereto, a carriage having rollers mounted for travel on said boom, a bucket having a door supported on said carriage, toggle mechanism normally maintaining said door closed, a trip mounted on said carriage for actuating said toggle, a plurality of spaced cams on one of said rollers inoperable during advance movement and operable by reverse movement of said roller for actuating said trip and means on said boom for resetting said toggle and disabling said trip upon substantial reverse travel of said carriage.

1,738,013. HIGH-PRESSURE-HYDRAULIC MARINE PROPULSION. FRIEDRICH MAUQUOI, Paterson, N. J. Filed July 10, 1929. Serial No. 377,104. 7 Claims. (Cl. 115-14.)

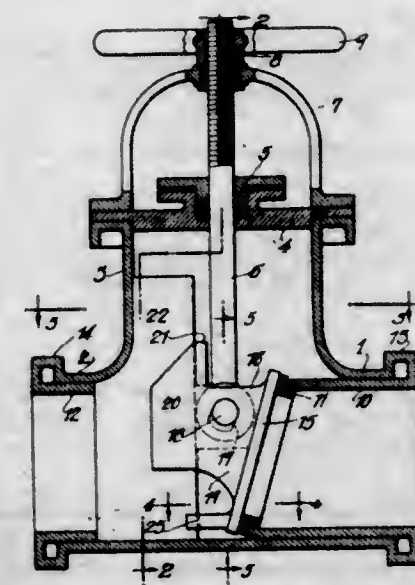


1. An apparatus for marine propulsion located in the stern of a vessel, comprising a high pressure water pump, a pressure controlling tank connected thereto, a valve between said pump and tank, and a plurality of pipes issuing from said tank discharging upon the outside of the hull of the vessel at the stern thereof, the discharge outlets of said pipes being spaced at substantially regular intervals and arranged in a substantially circular cluster.

1,738,014. GATE VALVE. THOMAS E. MURRAY, Brooklyn, N. Y.; Joseph Bradley Murray, Thomas E. Murray, Jr., and John F. Murray, executors of said Thomas E. Murray, deceased. Filed June 18, 1927. Serial No. 199,045. 3 Claims. (Cl. 251-56.)

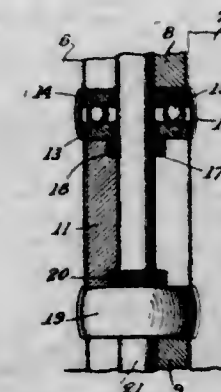
1. A valve including in combination a tubular casing, a fixed guide surface extending transversely of the said

casing, a valve seat slightly inclined to said guide surface, a valve disc having guiding means on its rear face engaging and guided by said guide surface and a stem moving



able in a direction transverse to the casing and having a wedging engagement with the valve disc for forcing the latter against its seat.

1,738,015. BALL-BEARING HINGE. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 14, 1923. Serial No. 680,598. 4 Claims. (Cl. 16-136.)

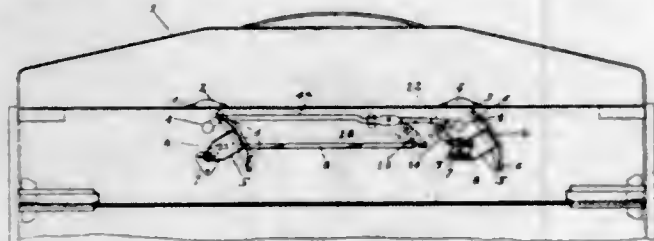


1. A butt hinge comprising a pair of leaves having co-acting knuckles, an anti-friction device located between adjacent knuckles and consisting of two bearing washers with oppositely disposed grooved faces, a series of balls traveling in said grooved faces, a casing surrounding said washers, one of said washers having screw threaded means of connection with one of said knuckles, and a pin for holding said knuckles together, said anti-friction device being open at the inside to permit the introduction of lubricant.

1,738,016. MARKER LIGHT FOR RAILWAY CARS. ALFRED K. PERHSON, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 20, 1927. Serial No. 220,693. and in Great Britain Apr. 16, 1928. 5 Claims. (Cl. 116-30.)

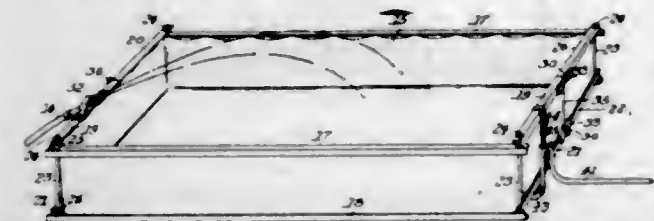
2. The combination in a system of marker lights for a railway car of a fixed exterior lighting element, a frame containing colored signal glasses partly surrounding said lighting element, a color plate on the interior of

said car, spaced colored markings on said plate corresponding to the colors of the signals, an operating mechanism for rotating said frame, extending through said



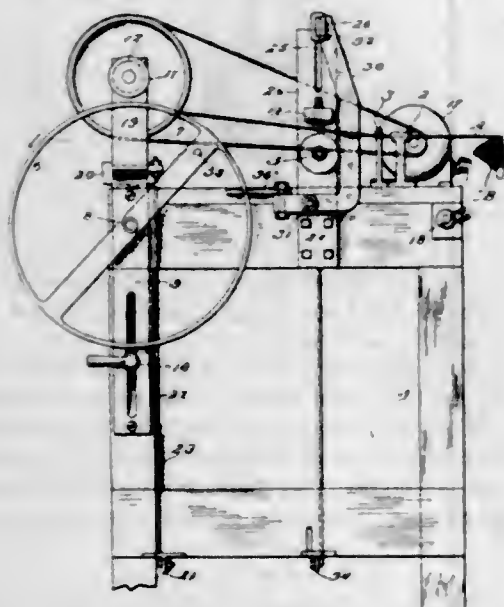
color plate to means connected with said frame, and a member extending from said operating mechanism for indicating on the color plate the color of the signals displayed.

1,738,017. WADING TANK. JOHN H. PHILLIPS, Pittsburgh, Pa. Filed Mar. 22, 1928. Serial No. 263,690. 6 Claims. (Cl. 4—177.)



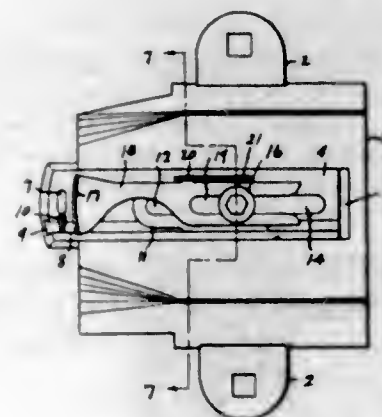
1. Tank structure comprising a flexible body portion, an upper framework of longitudinally and laterally-extending angle bars whose ends overlap, a lower framework of longitudinally and laterally extending angle bars whose ends overlap, bolts extending through the said overlapping ends of the upper and lower frame members, at the corners of the structure, for holding said members in assembled relation, and means on the bolts for supporting the framework in elevated position relative to the lower framework.

1,738,018. TIRE-BEAD BUILDING MACHINE. FRED BROWN PFEIFFER, Akron, and JOHN WILLIAM WHITE, Barberton, Ohio, assignors to Seiberling Rubber Company, a Corporation of Delaware. Filed Nov. 22, 1926. Serial No. 149,823. 19 Claims. (Cl. 154—9.)



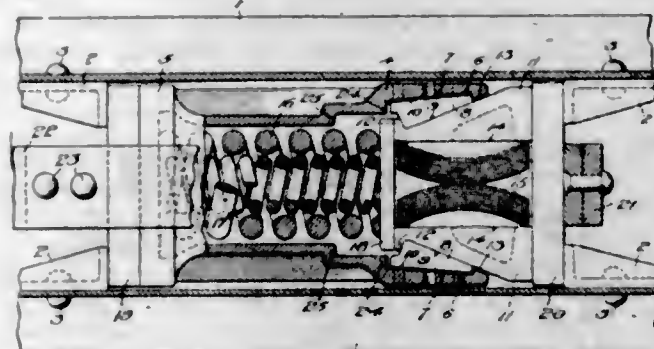
1. In a machine for building tire beads from rubberized wire tape, the combination of a rotatable ring upon which the beads are wound, said ring presenting only a cylindrical surface of the same width as the wire tape, and a pressure roller arranged to cooperate with the ring in winding the tape thereon without tension, said roller being grooved on its outer periphery to straddle the ring and to guide and center the tape upon the ring in the winding operation.

1,738,019. CHANNEL KNIFE. HENRY G. OLIPHANT, Houston, Tex., assignor of one-third to P. E. Putman. Filed May 4, 1928. Serial No. 275,192. 3 Claims. (Cl. 112—45.)



2. In combination a needle plate cap having a longitudinal guideway, a needle plate adjustably mounted in said guideway and having a needle opening in its outer end and also having a guideway, a knife holder adjustably mounted in the guideway of said plate, a knife carried by said holder and associated with said opening, a guide spaced inwardly from said opening, and knife, and a common means attached to said cap and adapted to secure said needle plate, knife holder and guide in selected positions relative to each other and to the cap.

1,738,020. DRAFT RIGGING. WILLARD F. RICHARDS, Depew, N. Y., assignor to The Gould Coupler Company, New York, N. Y., a Corporation of Maryland. Filed Sept. 7, 1927. Serial No. 218,040. 7 Claims. (Cl. 213—31.)

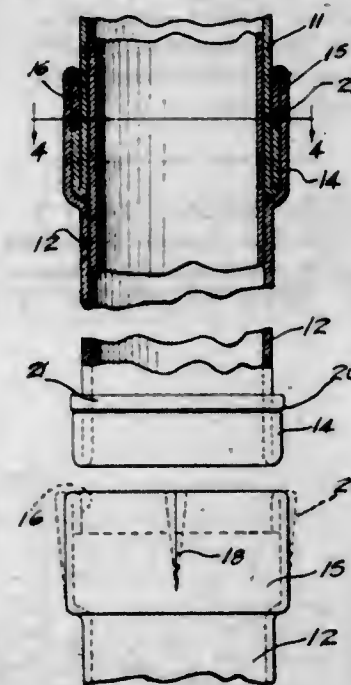


1. Cushioning mechanism adapted for use with railway draft rigging comprising a housing having recesses therein, a wall of each recess being inclined to the longitudinal axis of said housing, a removable wear plate engaging each of said walls, friction mechanism and a spring within said housing, said mechanism comprising a plurality of pairs of wedging friction blocks, and a friction producing spring interposed between said pairs, the blocks of one of said pairs having portions interlocking with the adjacent blocks of the said other pair.

1,738,021. STOVEPIPE CASING. MARION R. SHIPLEY, Manhattan Beach, Calif. Filed Oct. 22, 1924. Serial No. 745,117. 9 Claims. (Cl. 285—161.)

1. A joint for stovepipe casing comprising: a first member having its end portion bent back along and in close contact with the outer surface of its body portion to form an annular exterior lip; a second member having

a belled portion formed at the end thereof into which said end of said first member extends, and having its end portion bent back along and in close contact with the

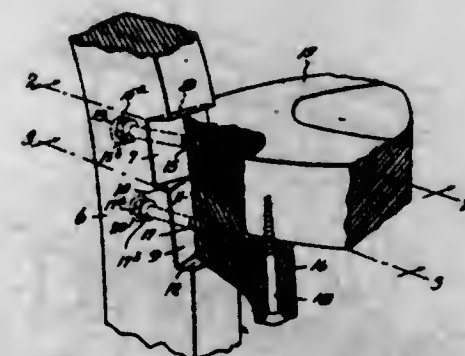


inner surface of its body portion to form an internal retaining lip; and a packing member disposed between the adjacent faces of said annular lip of said first member and said retaining lip of said second member.

1,738,022. WATERPROOF CEMENT. JEROME P. STRASSER, New York, N. Y. Filed June 28, 1924. Serial No. 722,945. 2 Claims. (Cl. 87—17.)

1. The herein described method of mixing asphaltum and a dextrine solution to form a cement, which comprises the steps of raising the asphaltum to a liquefying temperature, raising the dextrine solution to a temperature higher than that of the asphaltum, and then combining the two heated mixtures at the said relative temperatures.

1,738,023. CHAIR CONSTRUCTION. JOSEPH F. TAYLOR, Cleveland Heights, Ohio, assignor to The Taylor Chair Company, Bedford, Ohio, a Corporation of Ohio. Filed Jan. 7, 1926. Serial No. 79,719. 9 Claims. (Cl. 155—196.)

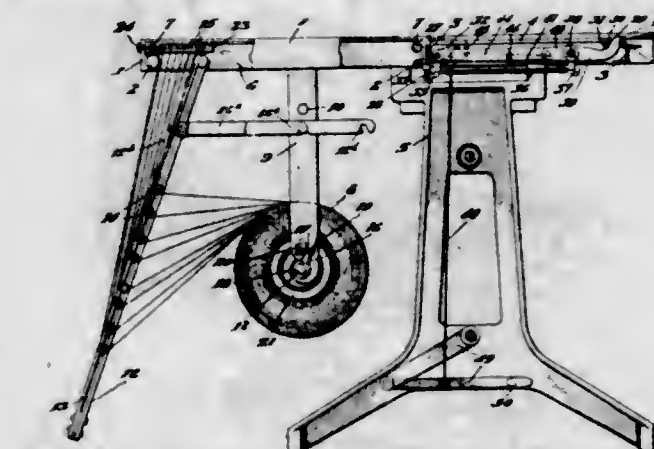


1. A joint for chairs or the like comprising a post having upper and lower notches in one face thereof, the said upper and lower notches being cut on different angles, a seat frame fitting in the upper notch, and an under frame fitting in the lower notch and supporting the seat.

1,738,024. PAPER FEED FOR TYPEWRITERS. OSCAR SCHLICHTER, Hamilton, Ohio, assignor to Krauth & Benninghofen, Hamilton, Ohio, a Firm. Filed May 24, 1927. Serial No. 193,919. 3 Claims. (Cl. 197—133.)

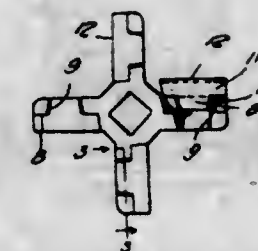
1. A device of the character disclosed, combining a platen for supporting a plurality of webs of paper in

superposed relation for manifolding, means for securing the webs upon the platen against displacement, the webs being continuous from the platen to a single multi web supply roll, a pivoted rack depending from the platen and adjustable to an inclined position, and a plurality of rollers having journal ends engaged in elongated slots



in said rack, the rollers in superposed arrangement in said rack slots, one for each web, each bearing upon a web in floating suspension for applying a gravity tension thereupon, the inclination of the rack relatively offsetting the rollers for separating the webs between the platen and supply roll.

1,738,025. MEAT-CHOPPER BLADE AND BLADE HOLDER. JAKE M. STIVERS, Enid, Okla., assignor to The Best Blade & Holder Co., Oklahoma City, Okla., a Copartnership composed of L. J. Milburn and O. E. Hilton. Filed May 20, 1927. Serial No. 193,007. 1 Claim. (Cl. 146—189.)



In a meat chopper blade holder, a rotatable body, said body consisting of a hub and a plurality of radiating arms, each of said arms being reduced at one longitudinal edge portion and a channel extending at right angles from the reduced portion transversely across the arm, the edge portions of said channel being converged and dovetailed to receive the wedge shaped shank of a blade member.

1,738,026. HEATING UNIT. GEORGE F. WENNAGEL and CARROLL THOMAS, Baltimore, Md. Filed June 17, 1927. Serial No. 199,576. 5 Claims. (Cl. 219—19.)

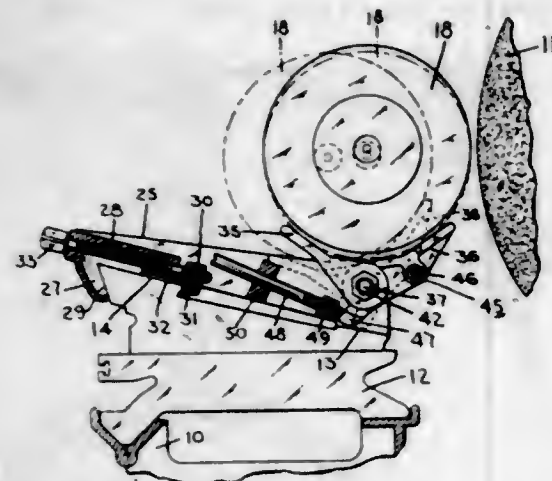


2. A resistance coil comprising a length of wire doubled upon itself intermediate its ends with the resultant portions wound helically in spaced relation, and a supporting core of insulating material located within the confines of the coil.

1,738,027. WORK-LOADING DEVICE. WALLACE H. WOOD, Waverley, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 22, 1928. Serial No. 287,453. 11 Claims. (Cl. 51—277.)

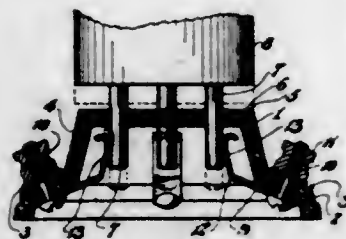
1. A machine tool having a cutting tool, relatively movable work supporting centers, and a work presenting mech-

anism fixed on the machine comprising a runway having a surface extending rearwardly from the front of the machine towards the cutting tool and by means of which the work may be moved from the front of the machine into a



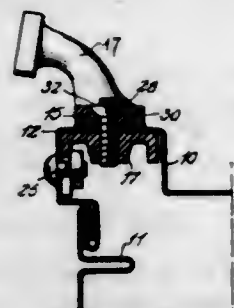
position adjacent to the centers where it may be gripped by the centers and elevated to the cutting position, said mechanism remaining in a work receiving position close to the work during the cutting operation.

1,738,028. VACUUM-TUBE SOCKET. MILTON ALDEN, Springfield, Mass., assignor to Alden Manufacturing Company, Springfield, Mass., a Corporation of Massachusetts. Filed Apr. 12, 1926. Serial No. 101,311. 4 Claims. (Cl. 173—328.)



1. A vacuum tube socket comprising an insulating base having a perforated top with a depending wall, an outwardly extending flange and a supporting edge and having a chamber enclosed by said parts, the lower wall of said flange being inclined relative to the top and conducting members each formed of a single strip of spring metal bent intermediate its ends and having its outer end secured to said inclined lower wall of said flange and its opposite end extending upwardly and adjacent the lower edge of one of the perforations in the top.

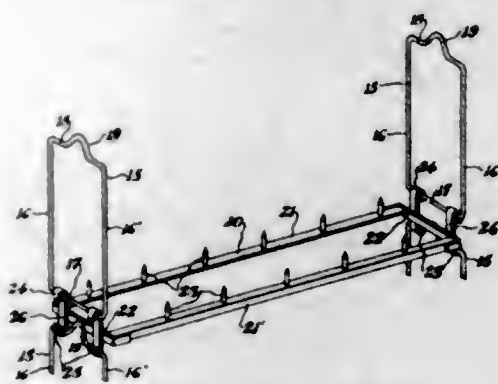
1,738,029. SAFETY ANCHOR. ANTONIO BARDELLO, Brooklyn, N. Y., assignor to Almsworth Buck, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 8, 1927. Serial No. 231,980. 2 Claims. (Cl. 20—72.)



1. A window frame including a sheet metal form provided with a pair of apertures, an internal reinforcement for the frame having a flat face in engagement with and extending across the part provided with the apertures, an

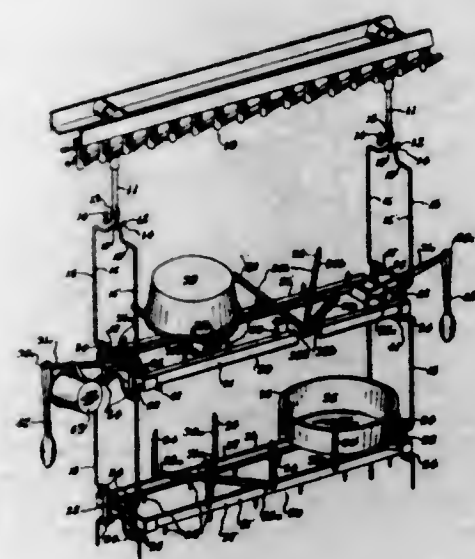
anchor engaging the side of the form opposite the reinforcement, and a pair of fastening means passed from the outside of the frame through the anchor, through the two apertures and extending into the reinforcement, said means acting under tension with each secured in said tensioned position, and coacting to secure the anchor and reinforcement with the metal form fixedly clamped therebetween at the two apertures.

1,738,030. BURNING RACK. HARRY T. BEBB, Canton, Ohio, assignor to The Canton Stamping & Enameling Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 2, 1928. Serial No. 316,686. 4 Claims. (Cl. 25—153.)



1. A rack for supporting enamelware and the like, including a plurality of interchangeable suspending members, and a plurality of interchangeable rack trays, each suspending member and each rack tray including means separably self-engaging with the means on the other.

1,738,031. BURNING-RACK ATTACHMENT. HARRY T. BEBB, Canton, Ohio, assignor to The Canton Stamping & Enameling Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 28, 1928. Serial No. 322,453. 4 Claims. (Cl. 25—153.)



1. An attachment for a burning rack and the like, including a plurality of ware supporting arms, and means for releasably engaging and supporting one of the arms on the rack.

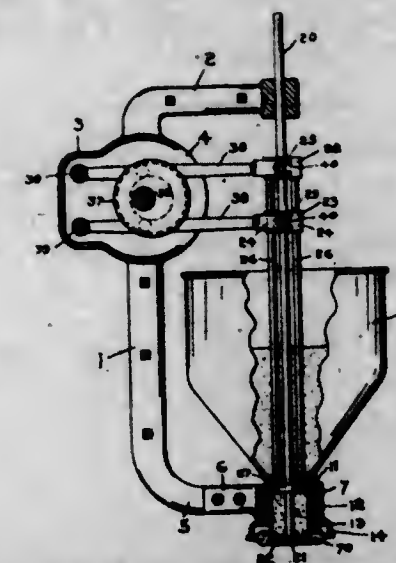
1,738,032. METHOD AND BLANK FOR MAKING SAFETY-RAZOR BLADES. MARCUS B. BEHRMAN, Brooklyn, and ROBERT T. POLLOCK, New York, N. Y., assignors, by direct and mesne assignments, to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed June 29, 1927. Serial No. 202,417. 15 Claims. (Cl. 76—104.)



1. The process of manufacturing razor blades from a strip of metal, said process including the step of forming a discontinuous groove in the strip extending generally longitudinally of the strip.

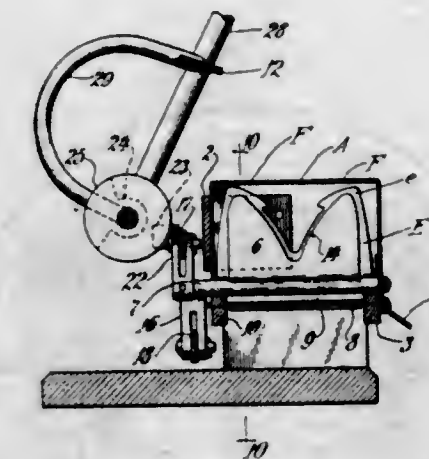
3. The process of manufacturing blades from a strip of metal, said process including the step of forming a plurality of raised portions in the strip spaced from each other and extending generally longitudinally and centrally of the strip, the raised portions being in alignment with each other.

1,738,033. DOUGHNUT MACHINE. WALTER BELSHAW, Seattle, Wash. Continuation of application Serial No. 636,916, filed May 5, 1923. This application filed Feb. 28, 1927. Serial No. 171,662. 9 Claims. (Cl. 107—14.)



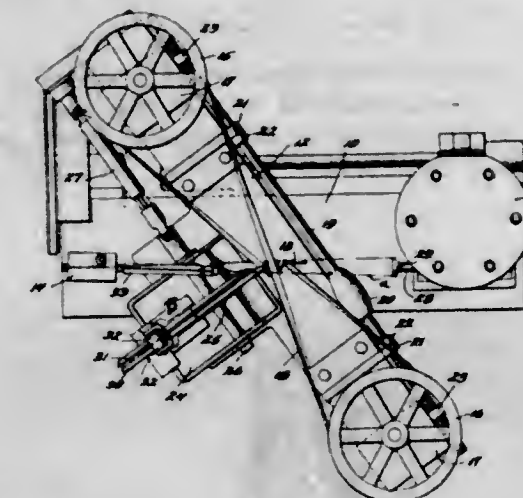
1. In a doughnut machine having a hopper and a piston cylinder communicating with the hopper and terminating in a discharge end, a pair of spaced pistons adapted to force dough from the hopper into the cylinder, and, in cooperation with said discharge end, deposit an annular section of dough from the cylinder, a shaft, driving mechanism therefor, a cam fixedly secured to the shaft, a second cam, rotatable on the shaft, means detachably secured to the second cam and the driving mechanism to permit rotation of the second cam with the shaft, and whereby the first cam may be adjusted relative to the second cam for regulating the spacing between the pistons and the quantity of dough to be contained in said section, and means for operatively connecting the cams with the pistons.

1,738,034. MACHINE FOR SETTING UP CARTONS. MARTIN BURGER, Morris, Ill., assignor to Self Locking Schurmann Company, a Corporation of Illinois. Filed Sept. 28, 1928. Serial No. 308,963. 7 Claims. (Cl. 93—37.)



7. In a machine of the character described, a frame open at the top and adapted to support a collapsed carton having transverse partitions adapted to project at their free ends into the space within the frame, and means within the frame for gripping said flaps and setting them in upright positions.

1,738,035. MANDREL FOR USE IN MACHINES FOR MAKING ARTIFICIAL STRAWS AND OTHER TUBES. CARL CASEY, Washington, D. C., assignor to Stone Straw Corporation, Washington, D. C., a Corporation of Delaware. Filed Feb. 18, 1929. Serial No. 340,894. 8 Claims. (Cl. 93—80.)

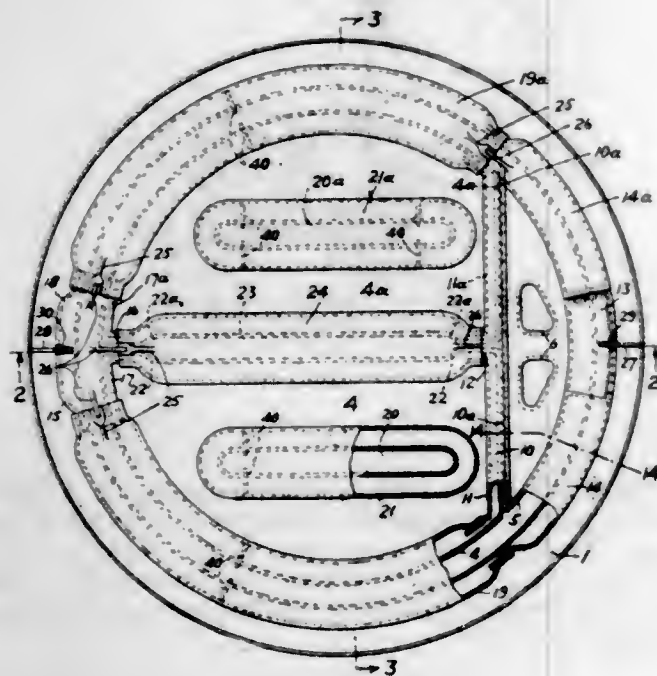


1. In machines for spirally wrapping paper tubes a mandrel having a curved stem.

1,738,036. FRACTIONAL-DISTILLATION APPARATUS. RICHARD B. CHILLAR, Jr., Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1925. Serial No. 57,912. 9 Claims. (Cl. 261—114.)

1. In apparatus for fractional distillation, a substantially horizontal bubbler plate comprising a plurality of independent receptacles adapted to be placed in spaced relation to the walls of a fractionating column, said receptacles being spaced from each other, the edges of each receptacle being upturned, a cover cap extending hori-

zontally from one receptacle to another, said cover cap having depending walls extending below the uppermost portion of the upturned edges of said receptacles, a bubbler cap extending horizontally from one receptacle to another,



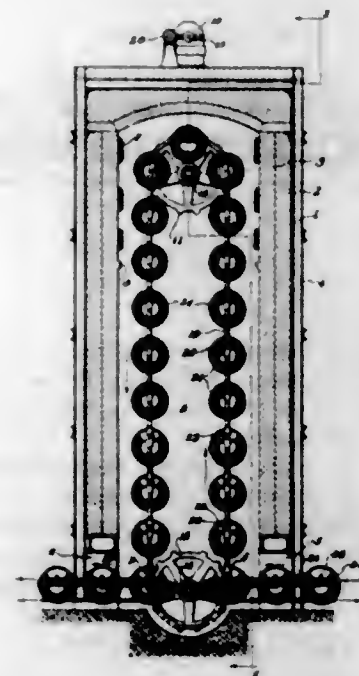
said bubbler cap having depending walls extending below the uppermost portion of the upturned edges of said receptacles, the walls of said bubbler cap extending below said edges to a less extent than do the walls of said cover cap.

1,738,037. SPRING BUSHING. JOHN L. COLLINS, Syracuse, N. Y., assignor to The Warner Corporation, Syracuse, N. Y., a Corporation of Indiana. Filed May 21, 1928. Serial No. 279,571. 5 Claims. (Cl. 308-237.)



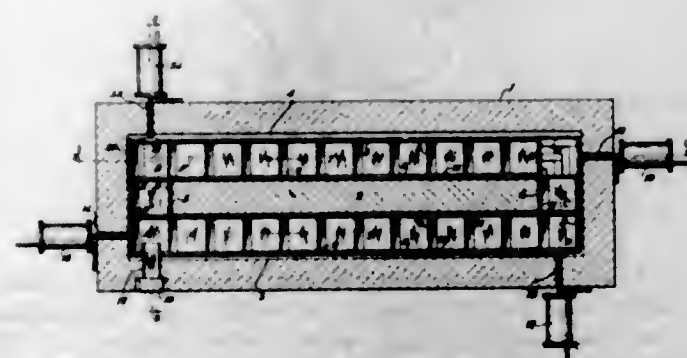
3. In a device of the class described, a tubular body, a plurality of slots disposed circumferentially of the body, a portion of the body at one end of a slot being bent outwardly to form a wedge shaped portion having its point disposed in one direction and a portion of the body at the other end of the slot being bent outwardly to form a wedge shaped portion with its pointed end disposed in a direction opposite to the direction in which the pointed end of the first named portion is disposed, and a plurality of laterally extending tongues disposed circumferentially on one end of the tubular body.

1,738,038. RECUPERATIVE ANNEALING FURNACE. FRANK T. COPE, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a Corporation of Ohio. Filed Aug. 20, 1926. Serial No. 130,523. 10 Claims. (Cl. 263-8.)



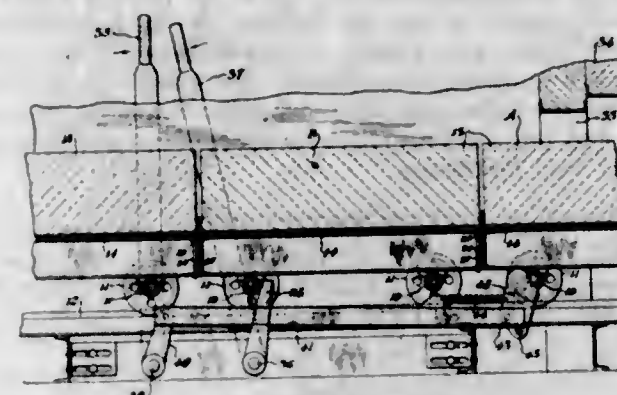
1. A furnace including a vertical chamber, heating means at one end of the chamber, a pair of endless conveyor chains suspended within the chamber and provided with spaced notches in their outer edges, and rods arranged to be seated in said notches, to form a conveyor for supporting coils of wire and the like.

1,738,039. CONTINUOUS FURNACE. FRANK T. COPE and ARTHUR H. VAUGHAN, Salem, Ohio, assignors to The Electric Furnace Company, Salem, Ohio, a Corporation of Ohio. Filed Mar. 29, 1928. Serial No. 265,609. 5 Claims. (Cl. 263-6.)



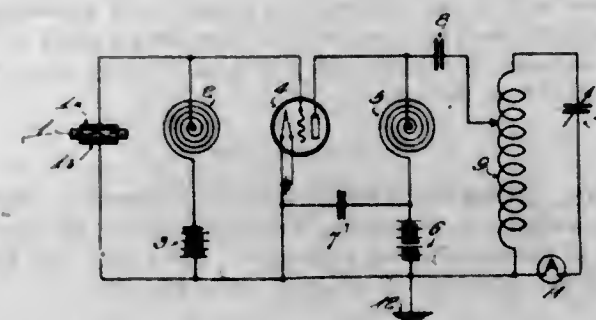
1. A furnace having a discharge point, a support extending around the furnace and terminating at both ends adjacent to the discharge point, a plurality of material carrying pans mounted for movement upon said support, means for moving the pans upon the support, and means for raising one portion and lowering another portion of each pan as it reaches the discharge point.

1,738,040. SEALING MEANS FOR FURNACE CARS. FRANK T. COPE, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a Corporation of Ohio. Filed Nov. 2, 1928. Serial No. 316,765. 8 Claims. (Cl. 25-142.)



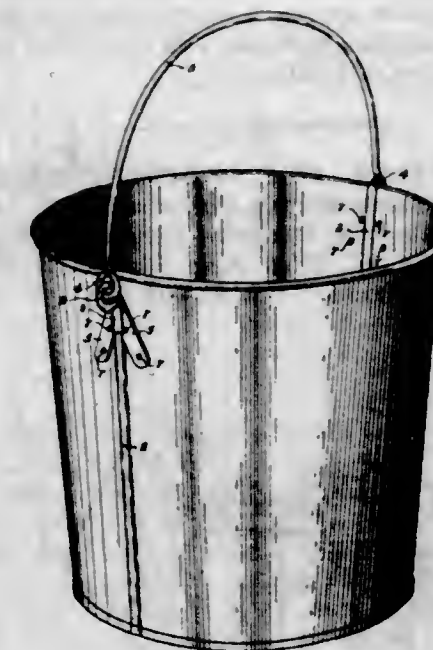
1. In a tunnel having depending flanges spaced from its side walls, a plurality of cars, a sand trough along each side of each car for cooperation with said flanges, and a seal plate extending around the bottoms and sides of adjacent sand troughs.

1,738,041. PIEZO-ELECTRIC CRYSTAL OSCILLATOR. ALFRED CROSSLEY, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed May 28, 1926. Serial No. 112,282. 3 Claims. (Cl. 250-36.)



1. In a frequency control system an electron tube having grid, filament and plate electrodes, input and output circuit interconnecting said electrodes, a high potential supply system connected in series with said output circuit, a radio frequency choke coil in series therewith, a piezo electric crystal element connected in series in said input circuit, to control the operation of said circuits, an independent radio frequency choke coil connected in said input circuit a high frequency oscillation circuit and connections from said output circuit to said high frequency oscillation circuit whereby high frequency oscillations corresponding to the natural frequency of said piezo electric crystal element are sustained in said high frequency oscillation circuit.

1,738,042. EAR FOR BUCKET BAILS. ROWLAND JOHN CURTIS, Dover, Ohio, assignor to The Reeves Manufacturing Company, Dover, Ohio, a Corporation of Ohio. Filed Oct. 18, 1927. Serial No. 226,903. 4 Claims. (Cl. 220-91.)



1. An ear for bucket bails, including a body portion for attachment to a bucket and the like provided with a side seam, and a pair of integral eyes folded together at a right angle to the normal plane of the body portion, the body portion having a vertical groove for receiving said side seam.

1,738,043. ROADBED CONSTRUCTION FOR STREET RAILWAYS AND METHOD OF CONSTRUCTING THE SAME. WILLIAM P. DAY, Cleveland Heights, Ohio, assignor to The International Steel Tie Company, Cleveland, Ohio, a Corporation of Delaware. Filed Sept. 15, 1928. Serial No. 306,224. 16 Claims. (Cl. 238-9.)

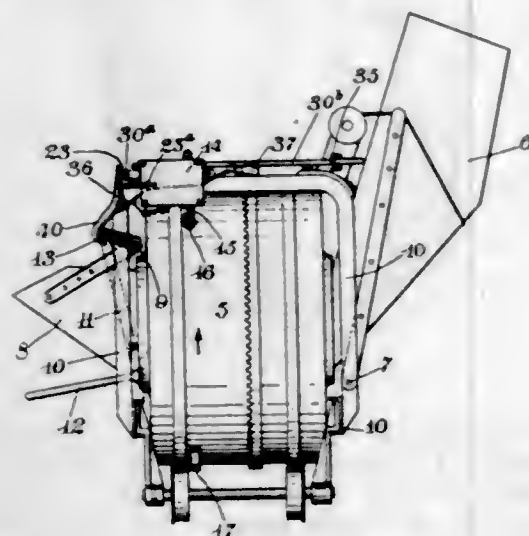


1. A road bed for street railways comprising a road surface having a pair of spaced parallel trenches formed therein, bearing plates disposed within said trenches, the members connecting said bearing plates and extending transversely of the track, a pair of rails supported by said bearing plates, rail clamps securing said rails to said bearing plates, a pair of upwardly diverging baffle plates disposed within each of said trenches and having their lower edges spaced apart a distance greater than the width of the base of the rail and connected with said bearing plates and a removable filler substantially filling said trenches, said baffle plates forming a clear line of demarcation or cleavage between the road bed proper and the rail supporting portion thereof, the rails being removable independent of the supporting structure therefor and without disturbing any portion of the road surface except that within the trenches.

1,738,044. ELECTRIC MATERIAL AND PROCESS FOR MAKING SAME. JOHN DE GIOVANNI, Brooklyn, N. Y., assignor to Polymet Manufacturing Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 27, 1927. Serial No. 164,128. 2 Claims. (Cl. 201-63.)

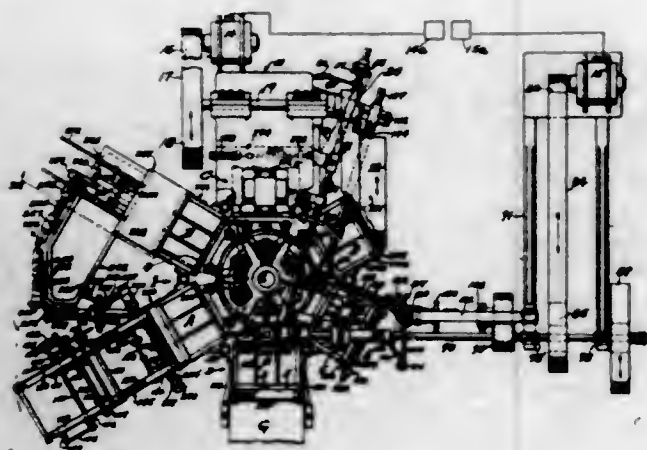
1. The herein described process for making materials of the character described consisting in impregnating a conducting member having a central metallic wire and a covering of insulating material with a solution of a silver salt and reducing said salt.

1,738,045. METER FOR CONCRETE-MIXING MACHINES. JOSEPH EGGERT, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a Corporation of Ohio. Filed June 15, 1927. Serial No. 199,105. 12 Claims. (Cl. 83-73.)



1. In a machine having a rotary mixing drum, a charging and a discharging means for the drum, and a latch for latching the discharging means in inoperative position, a sliding bar for holding said latch in said latching position, a trigger for holding said sliding bar in said position, a timing mechanism actuated by the rotation of the mixing drum with means associated therewith for retaining said trigger engaged with the said sliding bar to hold the same in latch-holding position, means actuated by the timing means to release said trigger, means for removing said bar from latch-holding position, and means for resetting said latch-holding bar.

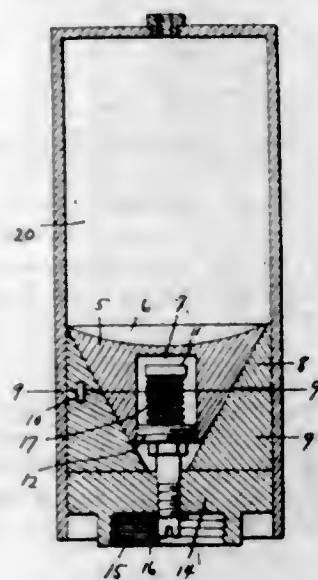
1,738,046. AUTOMATIC BRICK-MOLDING MACHINE. MURRAY S. ELTON and GEORGE EDWARD BARNHART, Pasadena, Calif., assignors to Charles R. Little, Pasadena, Calif. Filed Jan. 9, 1926. Serial No. 80,323. 20 Claims. (Cl. 25-69.)



1. The combination with a die press and a motor for operating the same, of a table; means operable by the

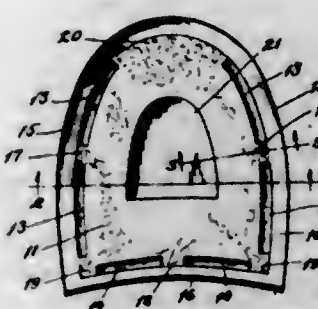
motor, to revolve the table step by step; molds carried by the table and corresponding in number to the number of steps in one revolution of the table; pallets for the molds; means for supplying the molds with pallets at one station at each step of the table; means for supplying the mold at another station with material to be pressed; means for pressing the contents of the mold at another station; means for expelling from the mold at another station, the pressed contents of the mold; means to lower the pallet as said contents are expelled from the mold; means for discharging the pallet and the pressed bodies at another station; means for holding the table stationary between steps; and means for simultaneously operating the pallet applying, the charge supplying, the material pressing, the body expelling, the pallet lowering, and the pallet and pressed body discharging means, each time the table is held stationary.

1,738,047. AUTOMATIC TAKE-UP PISTON. GEORGE R. FEIGEL, Chicago, Ill. Filed Sept. 13, 1928. Serial No. 305,814. 5 Claims. (Cl. 74-108.)



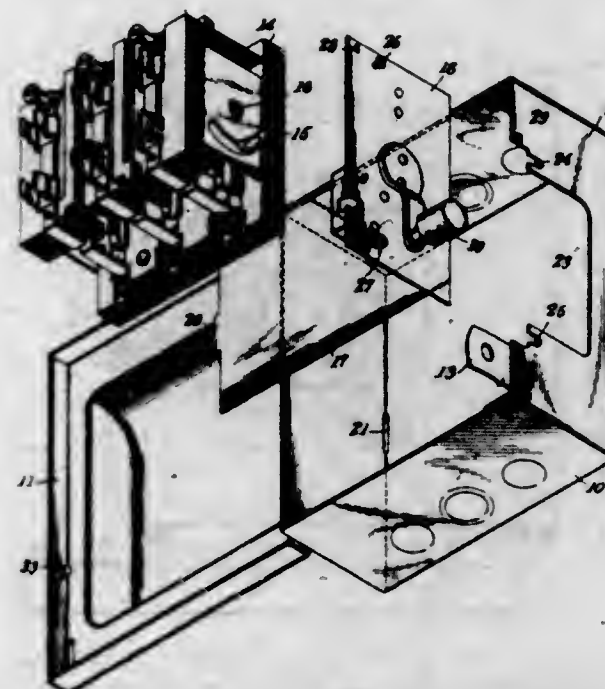
1. A piston of the class described including a frusto-conical core, a primary and a secondary shoe about the core, each shoe being formed in a plurality of segments, a base, a spring and bolt connection extending axially of the piston between the base and the core tending to spread the segments of the shoes.

1,738,048. RUBBER HEEL. JOHN O. GOODWIN, Akron, Ohio, assignor to Selberling Rubber Company, Barberton, Ohio, a Corporation of Delaware. Filed Apr. 18, 1929. Serial No. 356,003. 7 Claims. (Cl. 36-35.)



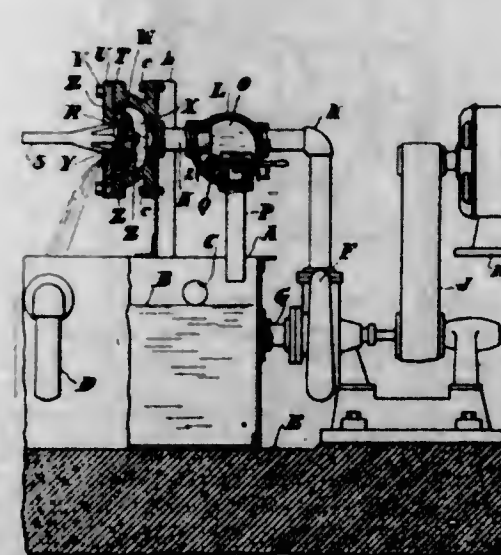
1. A rubber heel comprising a rubber cushion body and a flexible, nonmetallic attaching layer incorporated therewith, said heel being formed with a recess in its attaching face, located immediately adjacent an outer edge of said attaching layer, and elongated longitudinally of said edge.

1,738,049. INCLOSED SWITCH. CHARLES E. HANNY, Unionville, Conn., assignor to Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Jan. 3, 1928. Serial No. 244,228. 14 Claims. (Cl. 200-50.)



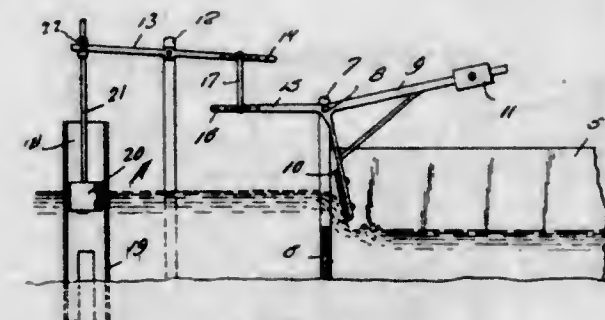
1. A switch box open at one side and having a hinged cover for the front, a removable switch unit comprising a base plate adapted to interlock with one wall of the box, and a side plate adapted to close the side of the box and to interlock with another wall of said box, and switch mechanism supported by the base plate and having actuating mechanism, and cooperating cover interlocking mechanism carried by the side plate.

1,738,050. QUENCHING DEVICE FOR DRILL STEELS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 28, 1928. Serial No. 250,287. 1 Claim. (Cl. 266-6.)



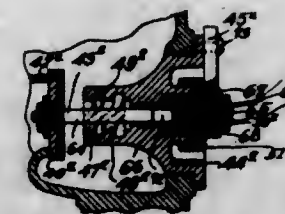
A quenching device, comprising a nozzle body having a cavity for quenching liquid, a nozzle cap adapted to be secured to the nozzle body, a dome-shaped projection on the nozzle cap extending into the cavity and having a cylindrical socket to support an article intended to be quenched, and a plurality of radially arranged apertures in the projection to introduce jets of liquid into the socket and converging on the longitudinal axis of the socket to assure uniform quenching of such article.

1,738,051. AUTOMATIC CHECK GATE. PARLEY HARKER, Lewisville, Idaho. Filed May 18, 1927. Serial No. 192,314. 1 Claim. (Cl. 61-23.)



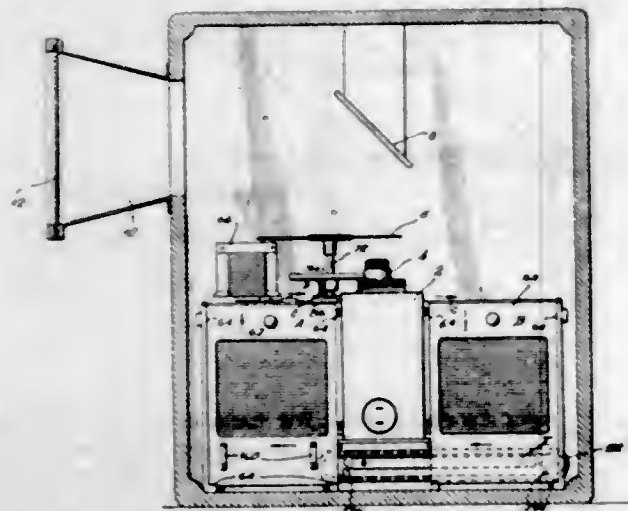
In an automatic check gate for canals, a rockable shaft supported horizontally across the upper portion of the canal, a pair of substantially L-shaped members secured on the end portions of the shaft, a gate extending across the depending arms of said L-shaped members, a counterbalancing weight slidably adjustable on the outer end of the laterally extending arm of each L-shaped member to maintain the gate normally in a closed position, a lever extending forwardly from the lateral arm of one of the L-shaped members, a cross arm pivotally supported intermediate its ends on a support, forwardly of the rockable shaft, a link operatively connecting the forward end of the lever with the rear end of the cross arm, and a float operatively connected with the forward end of the cross arm for actuating the shaft to swing the gate to an open position when the water rises to a predetermined level.

1,738,052. INSET VALVE FOR RADIATORS. CHARLES D. HICKMAN, Philadelphia, Pa. Filed Aug. 5, 1922. Serial No. 579,926. 1 Claim. (Cl. 257-159.)



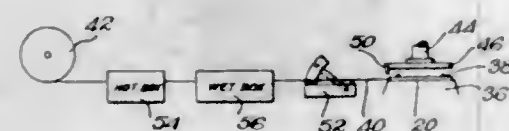
The combination of a radiator, a main inlet valve seat therein near the bottom of the radiator, a valve disc therefor a valve stem, a plug removably screwed into the radiator and at its inner end supporting the stem, a steep internal thread in the forward end of the plug and surrounding the stem, a lateral projection from the stem meshing with the thread, a sleeve coaxial with the stem and axially interlocking therewith and circumferentially interlocking therewith about the intersliding end thereof and of circular external section, a counterbore in the outer end of the plug about the sleeve, a flange on the sleeve approximately fitting and near the bottom of the counterbore, packing between the bottom of the counterbore and the flange, a gland nut adjustably threaded to the plug, coaxial with the sleeve and adapted to approximately close the counterbore about the sleeve, resilient packing between the gland and flange, and means for rotating the sleeve at will to operate the valve.

1,738,053. PHOTOGRAPHIC APPARATUS. VAN DYKE HILL, Scarsdale, N. Y. Filed June 7, 1929. Serial No. 369,173. 17 Claims. (Cl. 88—19.1.)



1. In combination, a motion picture projector, a motion picture film comprising detached film sections each a plurality of pictures in length with protective frames for each of said sections, the framed sections forming in end to end relation a continuous motion picture film, and means to feed the sections through the projector in end to end relation, each section being given feeding movements corresponding to the number of pictures therein.

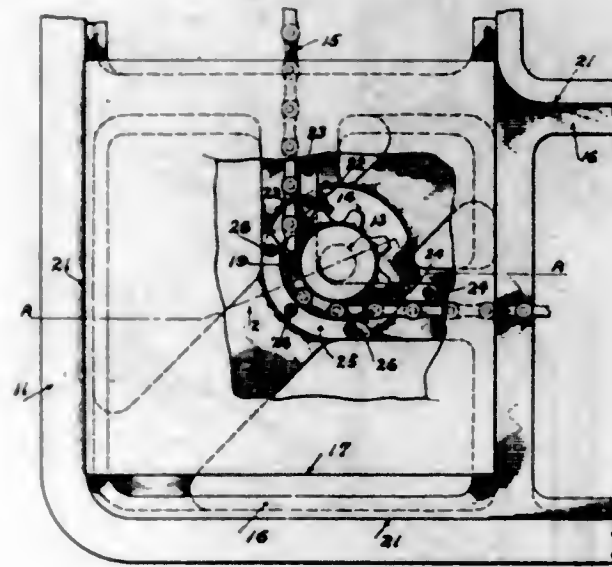
1,738,054. MOTION-PICTURE FILM. VAN DYKE HILL, Scarsdale, N. Y. Original application filed June 7, 1929, Serial No. 369,173. Divided and this application filed Aug. 20, 1929. Serial No. 387,217. 15 Claims. (Cl. 88—19.5.)



1. In the manufacture of framed film, the method which includes making the frame of proper size for a predetermined film dimension, controlling the dimension of the film to be the predetermined amount by varying the humidity of the film, loading the film into the frame while the film dimension is the predetermined amount, and fixing the film and frame together.

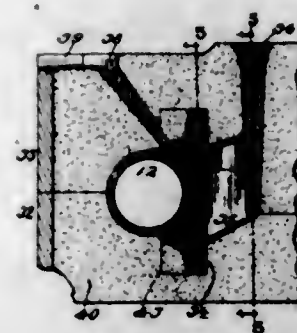
8. A sectionalized motion picture film including a plurality of film frames each comprising a ladder-like strip for receiving the film, a second ladder-like strip adapted to be laid against the other side of the film, said strips each comprising longitudinal members and crossbars extending transversely therebetween, the adjacent end cross-bars of the successive frames being suitably reduced in width to maintain synchronism when the frames are fed in end to end succession.

1,738,055. BED-DRIVING MECHANISM FOR POWER PLATE PRESSES. ALBERT J. HORTON, White Plains, and CHARLES F. GRAVENHORST, Brooklyn, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed June 18, 1928. Serial No. 280,344. 6 Claims. (Cl. 101—159.)



1. In a plate printing machine, a frame, a bed, a chain connected to the bed, a sprocket engaging the chain, and a guide member engaging the centre members of the chain and on the inside thereof to keep it in a path tangent to the pitch line of the sprocket as it engages therewith.

1,738,056. APPARATUS AND METHOD FOR FORMING EXTENSIONS UPON TUBES. ARTHUR T. HUNTER, University City, Mo., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1928. Serial No. 300,844. 8 Claims. (Cl. 22—204.)

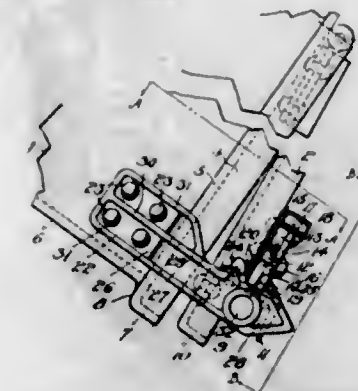


1. The method of forming upon one side of a preformed steel tube an integral heat absorbing extension of ferrous metal comprising supporting the tube in position in a mold with its side that is to receive the extension exposed in a casting space of the shape of the extension to be formed, flowing molten ferrous metal into the casting space in relatively thin wide sheets disposed at an angle to the length of the tube and thence through and from the space in excess quantity, continuing such flowing for a sufficiently long period to raise the metal of the tube to a softening temperature at its exposed circumference, but stopping the flowing before erosion, and then permitting the combined tube and extension to cool and set.

1,738,057. CAR-DOOR-LOCKING DEVICE. BYERS W. KADEL, Baltimore, Md. Filed Mar. 14, 1923. Serial No. 624,998. 39 Claims. (Cl. 105—308.)

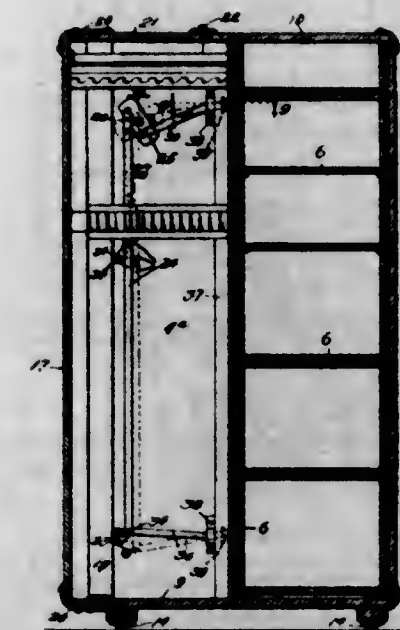
1. In mechanism of the character indicated, the combination with a door hinged to the car body and provided

with an outstanding reinforcing flange, of a latch movably mounted on said door and projecting outwardly beyond a side edge thereof and adapted to bear upon the edge of said reinforcing flange, said latch being movable



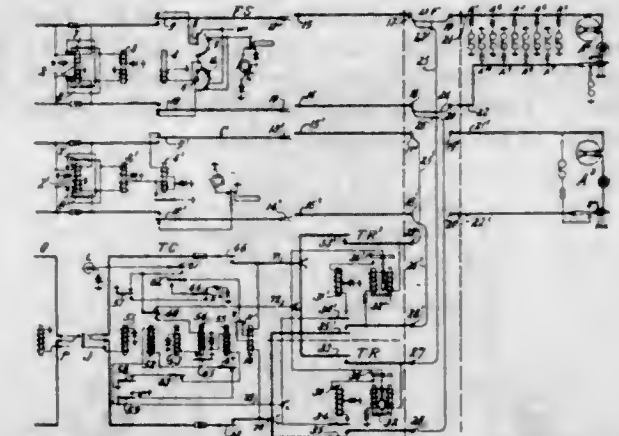
in a plane substantially parallel to the plane of the door, and means carried by a stationary part of the car for cooperating with said latch to prevent an opening movement of said door.

1,738,058. WARDROBE TRUNK. FRANK W. MEYER, Oshkosh, Wis., assignor to The Oshkosh Trunk Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Apr. 2, 1926. Serial No. 99,187. 9 Claims. (Cl. 190—13.)



1. A wardrobe trunk having a rigid body adapted to stand on one end and divided vertically into outwardly opening wardrobe and chiffonier sections, two doors, one for each section and hinged to the body, and a locking mechanism for simultaneously locking and unlocking both of said doors, said mechanism having a single actuating member in the form of a locking hasp for one of the doors and movably mounted on the outside of the trunk body.

1,738,059. TELEPHONE SYSTEM. VICTOR S. THARP, Elmhurst, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 22, 1926. Serial No. 136,925. 20 Claims. (Cl. 179—27.)



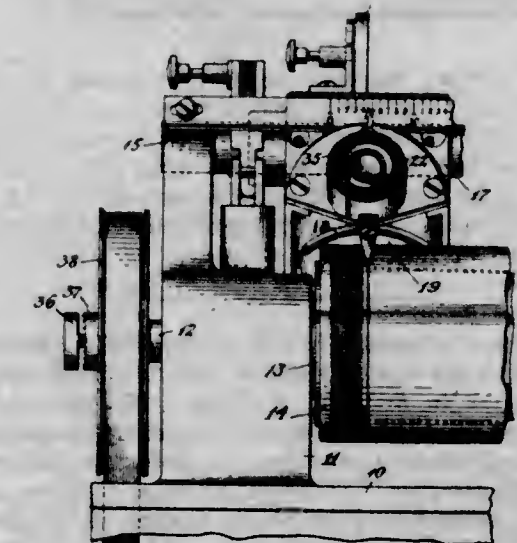
8. In a telephone system, a trunk line and means for extending a call thereover, means for answering the call, a battery and means automatically responsive when the call is answered for momentarily and successively connecting the two poles of said battery to said trunk line.

1,738,060. ROOF OF MOTOR CARS AND LIKE VEHICLES OF THE INCLOSED OR SALOON TYPE. HORATIO NELSON BARNES, London, England. Filed Nov. 15, 1928. Serial No. 319,478, and in Great Britain Nov. 7, 1927. 3 Claims. (Cl. 296—137.)



1. A roof for motor cars and other vehicles of the type herein described, embodying therein cant rails, rigid members extending between said cant rails in spaced relation to each other, forming an opening through the roof structure, closure means comprising an outer flexible strip of weatherproof fabric, an inner lining strip of flexible fabric below said weatherproof strip, spring actuated rollers in one of said rigid members co-operating with said fabric strips respectively, a slidably mounted rigid member between said cant rails in parallel relation with said rollers and having one end of each of said flexible strips connected therewith, and means whereby said rigid member may be locked against movement.

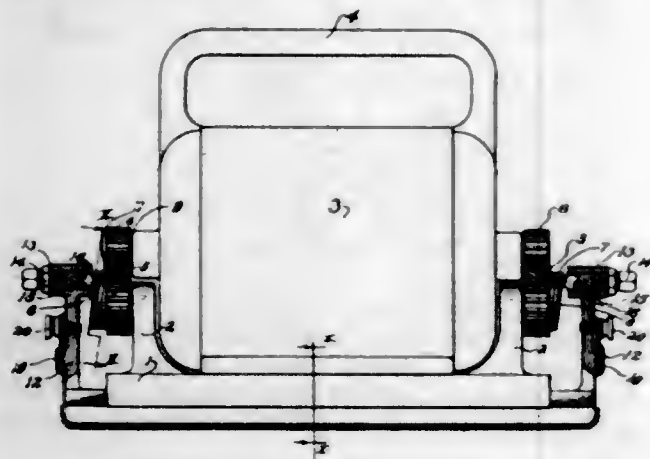
1,738,061. PHONOGRAPH. ALFRED V. BODINE, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,256. 28 Claims. (Cl. 274—17.)



1. In a phonograph, a record-support; a groove-producing recorder movable over the record-support to record

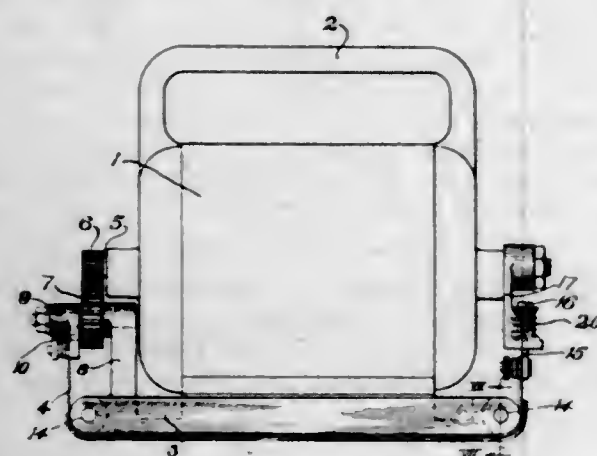
upon a record carried by the record-support, and means controlled from a point remote from the phonograph for leaving an ungrooved zone upon the surface of the record.

1,738,062. HAND SANDING MACHINE. ETHAN I. DODDS, Central Valley, and ETHAN I. DODDS, JR., New York, N. Y.; said Ethan I. Dodds, Jr., assignor to said Ethan I. Dodds, sr. Filed Jan. 5, 1927. Serial No. 159,082. 3 Claims. (Cl. 51-170.)



1. In a sanding machine, a stationary member including a motor, a pair of gears on said member and driven by said motor, said gears having oppositely disposed resilient and inclined faces, a U shaped frame having a slidable connection with said stationary member, the arms of said U shaped frame having anti-friction means in engagement with said inclined faces and abrasive means carried by said U shaped frame.

1,738,063. HAND SANDING MACHINE. ETHAN I. DODDS, Central Valley, and ETHAN I. DODDS, JR., New York, N. Y.; said Ethan I. Dodds, Jr., assignor to said Ethan I. Dodds, sr. Filed Jan. 5, 1927. Serial No. 159,083. 2 Claims. (Cl. 51-170.)

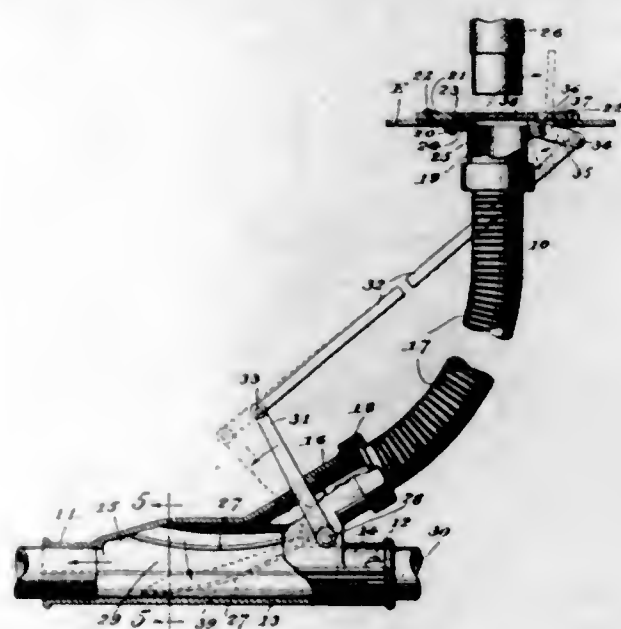


1. In a sanding machine, a casing having a handle, a motor in said casing, a gear driven by the motor, a wrist pin eccentrically mounted on said gear, a flexible member connected at one end to said wrist pin and trained under said casing, resilient means connecting the other end of said flexible member to said casing, and abrasive means carried by said flexible member.

1,738,064. PROCESS OF CANNING ABALONE. TAKASHIN DOMOTO, Oakland, Calif. Filed Aug. 25, 1928. Serial No. 302,143. 1 Claim. (Cl. 99-11.)

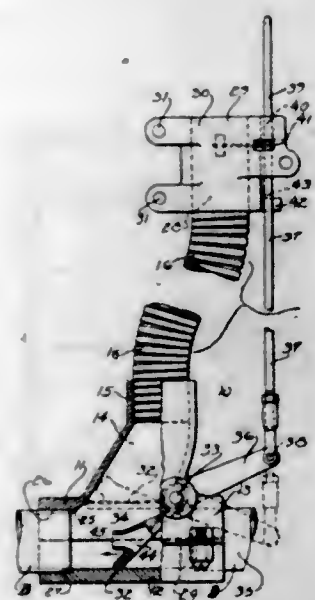
The process of canning abalone, consisting in slicing the abalone transversely from the top down to the "heel" thereof, with the "heel" remaining intact, to form a multiplicity of uniformly thin slices connected by the unsevered "heel" of the abalone, placing the abalone so treated in cans, and subjecting the material so contained to steam pressure to sterilize and cook the same.

1,738,065. VACUUM CLEANER FOR AUTOMOBILES. WILLIAM L. GRATHWOL, Stratford, Conn. Filed Feb. 12, 1926. Serial No. 87,938. 24 Claims. (Cl. 230-95.)



1. In an automotive vehicle, a passage for exhaust gases, a conduit adapted to communicate with said passage, manually movable means for restricting the area of said passage adjacent the mouth of said conduit, and means for closing communication between said conduit and passage.

1,738,066. VACUUM CLEANER FOR AUTOMOBILES. WILLIAM L. GRATHWOL, Stratford, Conn. Filed Dec. 16, 1926. Serial No. 155,234. 17 Claims. (Cl. 230-95.)

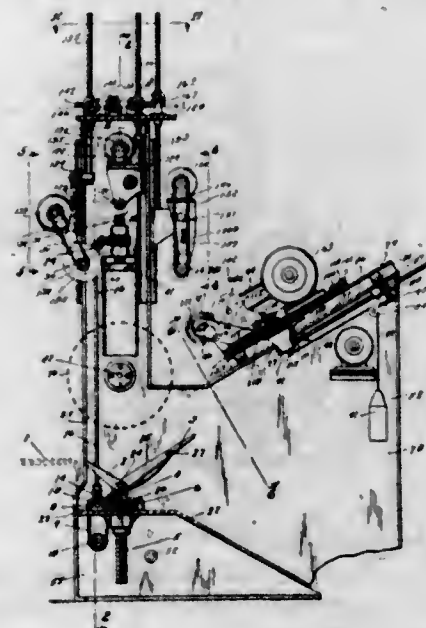


2. In an automotive vehicle, a passage for exhaust gases, a conduit adapted to communicate with said passage, a venturi for restricting the area of said passage adjacent the mouth of said conduit, and means of which said venturi is a part for practically closing communication between said conduit and passage.

1,738,067. SELF-CLEANING SAW FOR BARK-PEELING MACHINES. WILLIAM HARPER, Albany, Oreg., assignor of one-half to Herbert C. Morris, Albany, Oreg. Filed June 23, 1927. Serial No. 200,884. 10 Claims. (Cl. 144-208.)

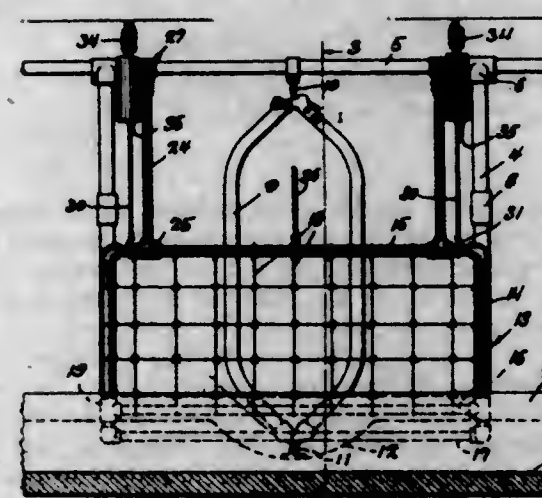
1. In a machine of the class described, a main framed structure, a pair of cradle arms disposed upon threaded

stems, cooperating elements for raising and lowering each pair of cradle arms, one side of each pair of arms being hinged relative to the other and to the stem, a pair of



movable heads superposed above the cradle arms and in registerable alignment therewith and power means for raising and lowering the cradle arms and the heads simultaneously.

1,738,068. FEED BARRIER FOR MANGERS. WILLIAM Y. HITER, Louisa, Va. Filed Mar. 22, 1928. Serial No. 263,839. 5 Claims. (Cl. 119-27.)

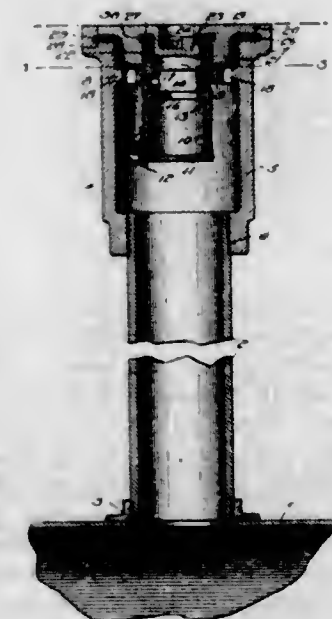


1. The combination with a manger trough, of a barrier, and means supporting the barrier in upright position beside the rear wall of the trough and with its lower portion within the trough in engagement against the inner side of said wall, the lower portion of the barrier being offset and including a transverse feed baffle member spaced inwardly from the plane of the barrier as a whole and from the said wall of the trough and positioned to lie above the bottom of the trough, the supporting means providing for movement of the barrier bodily upwardly out of the first mentioned position.

1,738,069. TANK FILL BOX. JAMES B. HOLTSON, Baltimore, Md., assignor to Holtson Manufacturing Corporation, Baltimore, Md., a Corporation of Maryland. Filed Aug. 1, 1925. Serial No. 47,649. 15 Claims. (Cl. 220-86.)

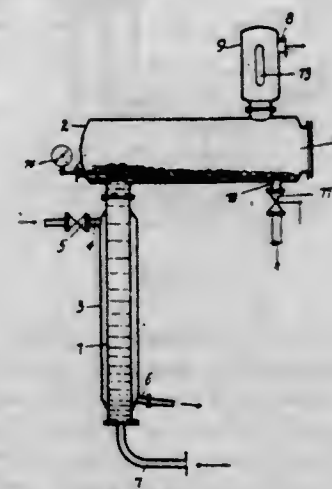
15. A tank fill box adapted to be embedded in the ground flush therewith at a location where it may be

subjected to the strain of the passage of the wheels of heavy vehicles, or any equivalent, thereover, comprising a relatively rugged hollow body having upper and lower ends and adapted to receive a pipe connected at its lower end, a filler tube mounted within the body and having its



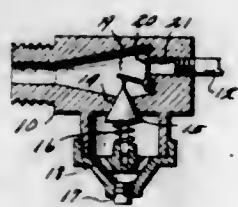
upper portion arranged in spaced relation to the inner wall of the body, and a screw cap forming a closure for the body to exclude foreign matter therefrom and having a portion engaging the filler tube and preventing escape therethrough of fumes rising from the tank.

1,738,070. APPARATUS FOR CONTINUOUSLY EXPELLING THE SULPHUR DIOXIDE FROM MIXTURES OF SULPHUR DIOXIDE AND OIL. PAUL JOBECK, Berlin, Germany, assignor to Allgemeine Gesellschaft für Chemische Industrie m. b. H., Berlin-Schöneberg, Germany. Filed June 16, 1926. Serial No. 116,447, and in Germany Apr. 12, 1926. 1 Claim. (Cl. 183-2.5.)



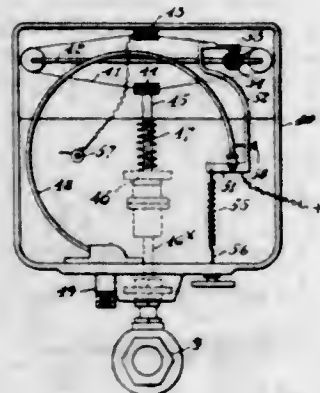
An apparatus for continuously expelling sulphur dioxide from oil containing the same comprising a horizontal cylindrical drum, a pipe of substantial diameter extending vertically downwardly therefrom, the lower end of said pipe being provided with an inlet for oil to be heated and the upper end being open to said drum and abutting flush with the bottom of the drum, an annular jacket surrounding said pipe and adapted to contain a heating fluid the upper end of said jacket being provided with an inlet for said heating fluid and the lower end being provided with an outlet for said heating fluid, a dome disposed on said drum and open thereto, said dome having a vapor outlet and said drum being provided with an outlet for oil, said outlet being disposed at a point in said drum remote from the upper end of said pipe.

1,738,071. COMBINATION AIR AND OIL VALVE. CHARLES W. JOHNSON, Seattle, Wash. Filed Dec. 15, 1927. Serial No. 240,255. 2 Claims. (Cl. 158-42.2.)



1. A burner head for oil burners, having an outlet opening at one end and at the other end having an air inlet opening, the side wall of the head being formed with a valve seat, an oil controlling valve coacting with said seat and resiliently urged to a seating position, an air valve hinged to the rear wall of the head and adapted to extend across the air inlet opening and having an angularly extended portion bearing against the inner end of the oil valve, whereby the air valve automatically causes the opening of the oil valve when the pressure of air is greater than the pressure urging the oil valve to its seat.

1,738,072. MEANS FOR CONTROLLING THE SUPPLY OF A DRIVING FLUID, THE PRESSURE OF A FLUID, AND SIMILAR PURPOSES. TORSTEN KÄLLE, Saffte, Sweden. Filed Dec. 28, 1923, Serial No. 683,261, and in Sweden Jan. 2, 1923. 1 Claim. (Cl. 60-23.)

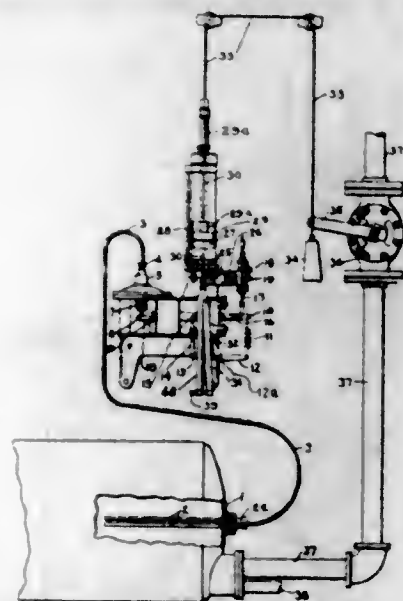


In an electro-thermic controlling device adapted especially for shifting heavy members such as valves and effecting great movement of the same the combination of a movable plate-shaped carrier, a conductor wound round the said carrier, a stationary mounting to which the parts of the conductor located at the one side of the carrier are fixed, a movable mounting to which the parts of the conductor located at the other side of the carrier are fixed, and means provided on the mounting last mentioned for the connection of the member to be controlled.

1,738,073. THERMOSTATIC-CONTROL APPARATUS AND METHOD. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles Klingemann Mfg. Company, Salem, Mass., a Corporation of Massachusetts. Filed June 26, 1922. Serial No. 570,995. 6 Claims. (Cl. 236-86.)

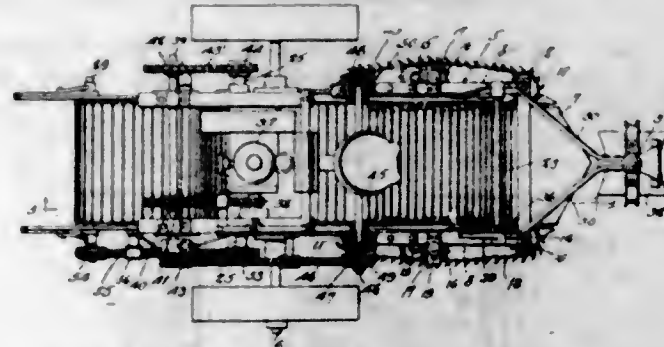
1. In combination with a heat-controlling device, a thermostatic device for actuating the same comprising a diaphragm motor and an expansive-fluid container, said fluid container comprising multiple compartments having a relatively large heating and radiating surface in rela-

tion to its cubical contents, a conduit extending from said compartments to the diaphragm motor, said diaphragm



motor having a limited movement in one direction for operating the controlling device and yielding movement in the opposite direction.

1,738,074. POTATO DIGGER. RILEY McCLASKEY, Idaho Falls, Idaho. Filed Feb. 29, 1928. Serial No. 253,003. 1 Claim. (Cl. 55-51.)



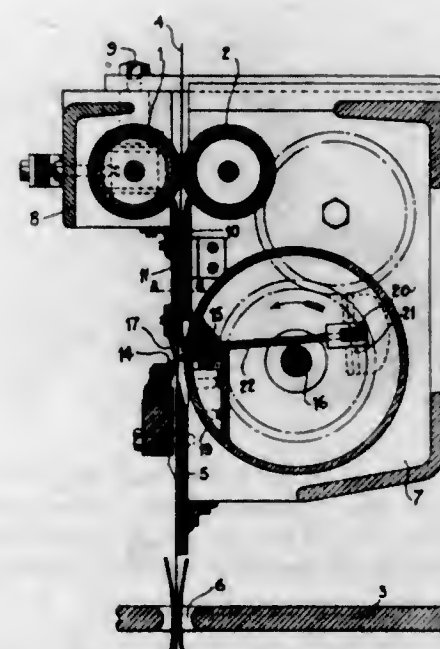
A potato digger including an inclined wheel supported frame, a plow at the forward end of the frame, an endless conveyor operating over the end of the frame, endless conveyors operating at the sides of the first mentioned endless conveyor, the sides of last mentioned conveyors operating in vertical planes, an endless conveyor operating in a horizontal plane, one end of the run of the last mentioned conveyor operating adjacent to the first mentioned conveyor to receive material therefrom, and means for adjusting the frame to regulate the depth of operation of the plow.

1,738,075. RAIL JOINT. JOHN A. MCGREW, Albany, N. Y. Filed Nov. 6, 1928. Serial No. 317,608. 2 Claims. (Cl. 238-243.)



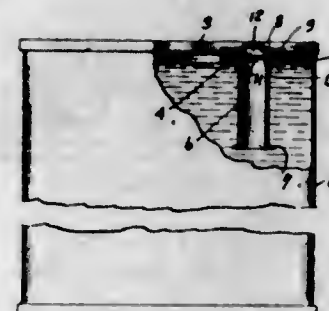
1. In a rail joint, the combination with aligned meeting rails having heads, webs and bases, of joint plates each formed with a central portion to engage under substantially the full width of the rail heads beyond the webs at only the ends thereof, said plates having lower flanges overlying substantially the whole width of the rail bases, the ends only of said flanges engaging said bases, and only on the area beneath the rail heads, each plate having an intermediate portion extending substantially the full length thereof and out of engagement with the rail webs.

1,738,076. MACHINE FOR CUTTING A MOVING WEB INTO STRIPS. WALTER EVERETT MOLINS, Deptford, London, England. Filed Sept. 8, 1927, Serial No. 218,347, and in Great Britain Sept. 9, 1926. 4 Claims. (Cl. 164-68.)



1. In apparatus of the class described, the combination with a rotatable element adapted to engage a travelling web of sheet material, of a guide for said web located adjacent the point of engagement between said web and said element, and means movable substantially in a straight line and tangentially of the rotatable element to convey said web from said element to said guide.

1,738,077. SPOUT. THORVALD PETERSEN, Selma, Calif. Filed Apr. 9, 1928. Serial No. 268,736. 2 Claims. (Cl. 221-27.)

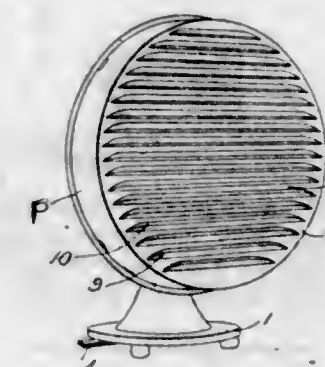


1. The combination with a liquid container having a perforation directly communicating with the interior and a conical seat defining the same, said seat extending inwardly of the container, of a tubular spout slidable in the perforation, said spout having a closed outer end and a flaring section adapted to register with said seat for forming a liquid-tight closure with the container when the spout is retracted, an annular flange secured to said spout above the flaring portion and contacting with the container when the spout is retracted, said spout having an outlet port spaced from the closed end and adapted to be uncovered when the spout is extended, and a stop for limiting the outward movement of the spout.

1,738,078. FAN DIFFUSER. ROLAND B. RESFESS, Wickford, R. I. Filed Sept. 27, 1924. Serial No. 740,263. 1 Claim. (Cl. 230-274.)

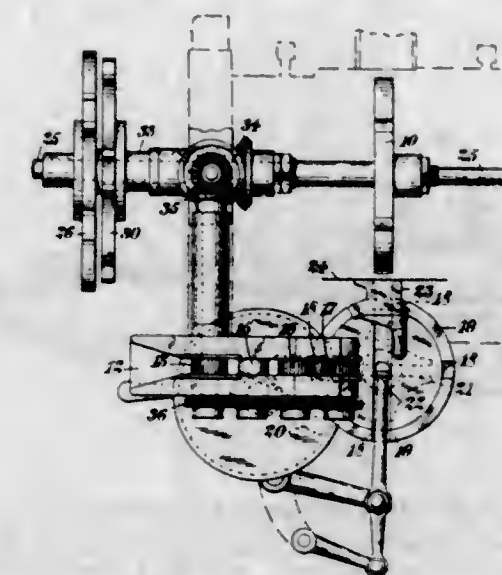
A cover for the blades of a fan comprising a hood of thin sheet material having a front wall provided with a

plurality of closely spaced parallel openings, a closed side wall surrounding the blades of the fan, and a plurality of



deflectors carried by said front wall, each deflector extending inwardly toward the blades of the fan from one edge of an opening.

1,738,079. MACHINE FOR WRAPPING CARAMELS AND LIKE ARTICLES. ALFRED GERMAN ROSE, Gainsborough, England, assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British Company. Filed Mar. 8, 1929, Serial No. 343,537, and in Great Britain Mar. 22, 1928. 6 Claims. (Cl. 107-4.)



6. In a wrapping machine of the type described operable on a continuous bar of confectionery stock the combination of an intermittently rotatable mould-wheel, a reciprocating pusher for feeding caramels one at a time into the mould-wheel, mechanism for feeding a bar of stock up to a station offset laterally from the path of the pusher, means for cutting separate caramels from the stock at said station, transfer mechanism to convey the caramels one at a time from the cutting station into the path of the pusher, a continuously running driving shaft, two Geneva stop mechanisms comprising star wheels rotatable independently of each other about the same axis, one operatively connected to the mould-wheel and the other to the stock feeding mechanism, and two wheel-operating arms mounted on the aforesaid continuously running shaft to co-operate with the two star wheels respectively, said operating arms being spaced apart angularly on the shaft aforesaid.

- 1,738,080. CLOSURE FOR COLLAPSIBLE TUBES. ARTHUR E. SMITH, Los Angeles, Calif. Filed July 15, 1926. Serial No. 122,565. 9 Claims. (Cl. 121-60.)

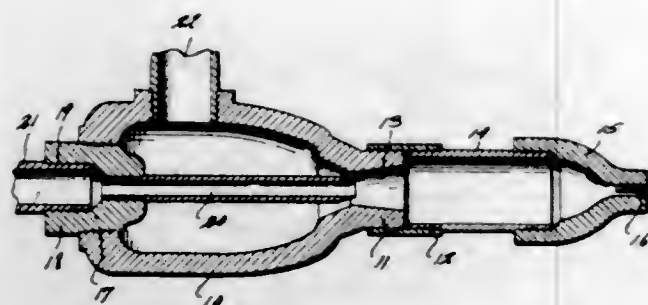


1. A closure for a collapsible tube, said closure comprising a flexible member having an end portion thereon, said end portion having a resilient strip thereon, said strip extending transverse of said end portion.

- 1,738,081. CONVERSION OF LEAD SULFATE AND LEAD CHLORIDE INTO LEAD CARBONATE. STANLEY COCHRAN SMITH, London, England, assignor of one-half to Chemical & Metallurgical Corporation Limited, London Wall, England. Filed June 13, 1927, Serial No. 198,698, and in Great Britain June 29, 1926. 6 Claims. (Cl. 23-71.)

1. In the manufacture of lead carbonate by passing carbon dioxide into a suspension of lead sulfate in a solution of ammonia, the improvement which consists in operating in such a manner that the carbon dioxide is fixed in the form of lead carbonate as nearly as possible simultaneously with its introduction into the suspension.

- 1,738,082. OIL FEEDING AND DISCHARGE MEANS FOR OIL BURNERS. GEORGE W. STARK, Astoria, Oreg., assignor of one-half to Joe Dimitroff, Astoria, Oreg. Filed May 12, 1928. Serial No. 277,289. 2 Claims. (Cl. 158-75.)

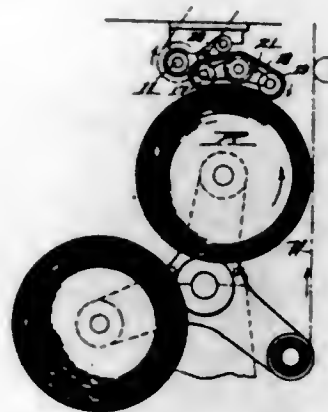


1. A structure of the character described for drawing oil from a source and discharging the same into a furnace, comprising a chambered body having a portion thereof formed to provide a nozzle, said nozzle being exteriorly threaded and having a passage therethrough, centrally constricted and gradually enlarging from the constricted center to each end, means for coupling a fluid pressure line to said chamber to enter the same in alignment with the longitudinal center of said passage, a jet pipe carried by said means and extending through the chamber into and terminating in the passage at the constricted portion thereof, means for introducing oil into the chamber at one side of said jet pipe, a pipe threadably attached at one end to said nozzle and a discharge burner nozzle secured to the other end of the last mentioned pipe.

- 1,738,083. WEB-ROLL-DRIVING DEVICE. ISIDOR TORNBERG, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 25, 1926, Serial No. 131,524. Renewed Apr. 25, 1929. 7 Claims. (Cl. 242-75.)

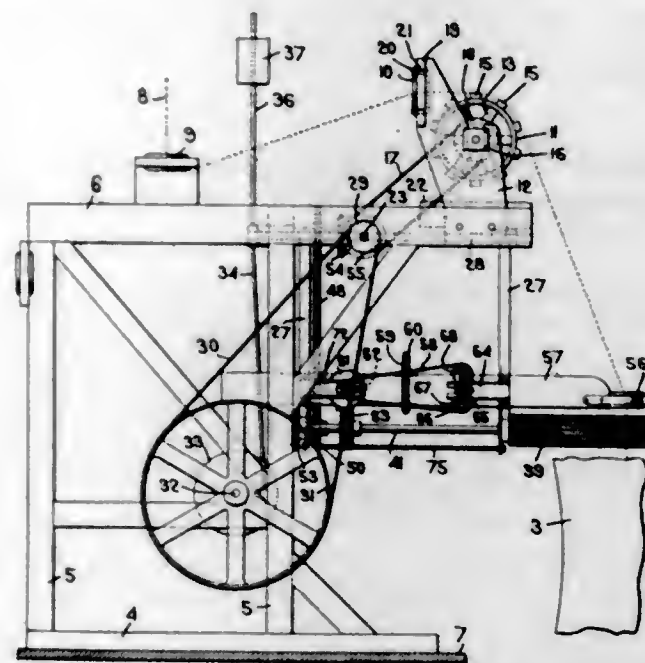
1. In a device for rotating a roll on its own axis, the combination with a movable frame pivotally mounted at its

center, of a pair of shafts thereon, one on each side of said center pivot, pulleys mounted on said shafts, means for positively rotating one of said shafts, and a driving belt passing over the pulleys, the driving belt being adapt-



ed to engage the roll to be driven half way between the pulleys, whereby the pressure of the device against the roll to be driven will cause the driving belt between the rollers to assume the shape of the surface of the driven roll.

- 1,738,084. CLOTH-PILING MECHANISM. WILLIAM F. TWADDLE, Manchester, N. H., assignor to Amoskeag Manufacturing Company, Manchester, N. H., a Voluntary Association of New Hampshire. Filed Feb. 21, 1928. Serial No. 255,921. 17 Claims. (Cl. 8-19.)

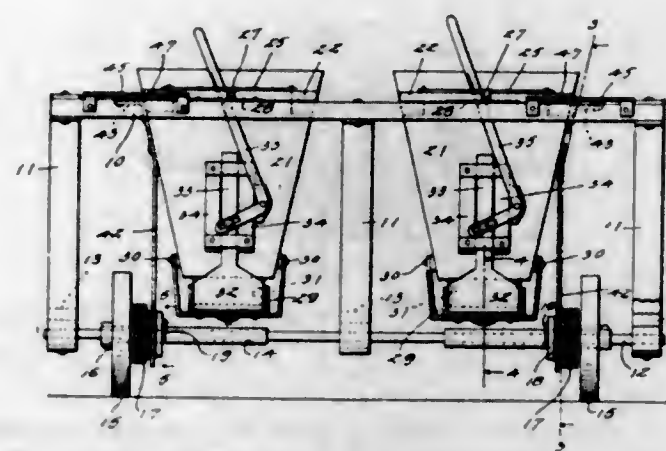


1. A cloth piling mechanism comprising a pair of feed rolls, a guide eye for the cloth strand, means for reciprocating the guide eye and the feed rolls bodily laterally in unison, and means for reciprocating the guide eye adjacent and longitudinally of the bite of the rolls to cause the strand passing through the guide eye and the bite of the rolls to be piled throughout an extended rectangular area.

- 1,738,085. FERTILIZER DISTRIBUTOR. JESSE THOMAS URQUHART, Near Zuni, Va. Filed Jan. 19, 1928. Serial No. 247,902. 5 Claims. (Cl. 275-2.)

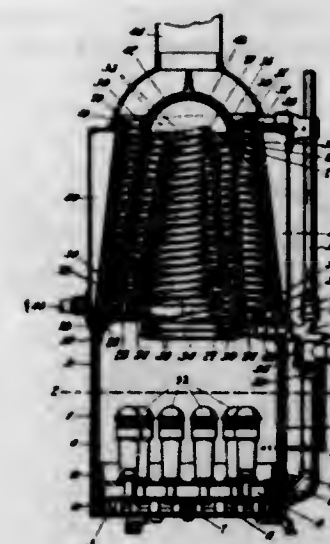
1. In a fertilizer distributor, a frame, a plurality of hoppers adjustable transversely thereof, a distributing element and a rotatable control element therefor associated with each hopper and moving with the hopper, an axle for the wheels upon which the wheels may be

longitudinally adjusted, driving connections between the wheels and the rotatable control element including a sleeve secured to each wheel and gearing connecting the



rotatable control elements of each hopper and the sleeve including an element splined upon the sleeve, and a connection between said element and the associated hopper.

- 1,738,086. WATER HEATER. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed Jan. 3, 1923. Serial No. 610,471. 9 Claims. (Cl. 236-23.)

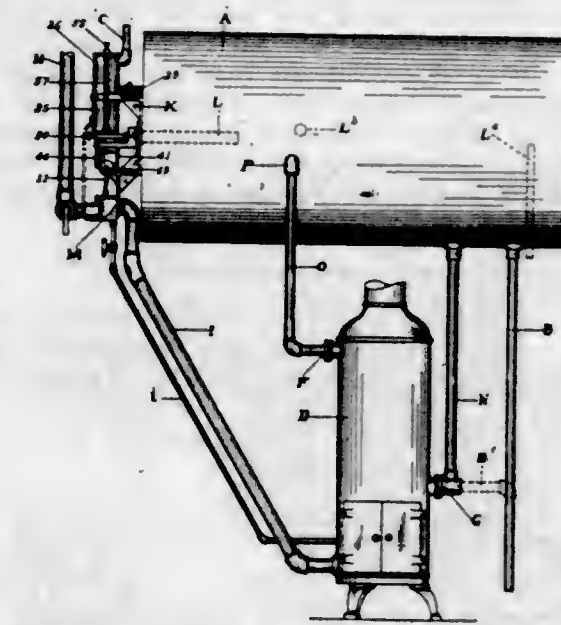


1. In a water heater the combination of a heating coil comprising a plurality of hollow conductors disposed in substantial contact with each other throughout their length and connected in parallel at their ends to form a multiple tube conduit, a fuel burner positioned below said coil, means for enclosing the said coil and the said burner and for preventing any direct access of the external air thereto, and means jointly controlled by the flow and by the temperature of the liquid as it emerges from the multiple tube conduit, for varying the supply of fuel to the said burner and the resultant application of heat to the said conduit.

- 1,738,087. WATER-HEATER CONSTRUCTION. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed May 7, 1923. Serial No. 637,037. 17 Claims. (Cl. 236-23.)

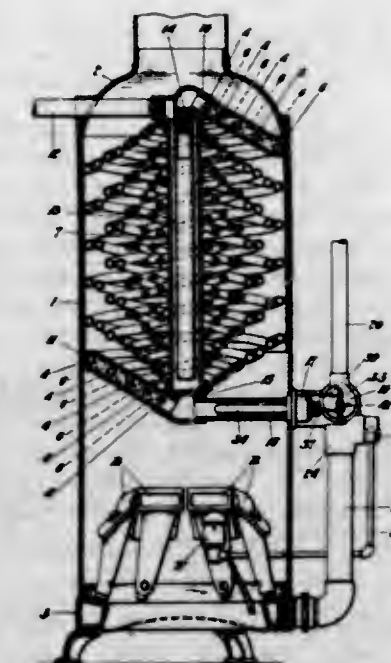
1. The herein described improvement in the art of heating fluid which comprises, the generation and storage

of power by the flow of the said fluid through the heater, and the automatic regulation of the temperature thereof



by the utilization of the stored power to vary the heat applied thereto whenever the said temperature reaches a predetermined point, substantially as described.

- 1,738,088. WATER HEATER. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed May 19, 1923. Serial No. 640,078. 7 Claims. (Cl. 236-23.)



1. In a construction of the character described the combination of a receptacle, a valve for controlling the supply of heat thereto, a rotary motor actuated by the flow of fluid therein, means connecting the said motor with the said valve and acting to open the latter when the said fluid is below a predetermined temperature, and other means for disconnecting the said motor and valve elements when the said fluid is heated above the aforesaid temperature.

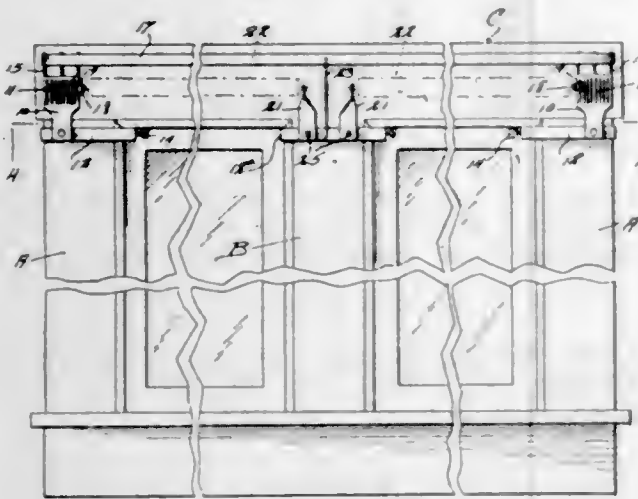
- 1,738,089. PARIS GREEN INSECTICIDE. BENJAMIN F. WALLACE, Brooklyn, N. Y. Filed Feb. 9, 1925. Serial No. 8,036. 3 Claims. (Cl. 167-14.)

1. A larvicide containing less than 5% of Paris green, less than 2% of digestible fatty animal acid and in excess of 90% of light, fluffy, calcium carbonate, the same being homogeneously incorporated together and the particles of the mixture being waterproof, water repellent and capable of floating for long periods of time on water.

1,738,090. PARIS GREEN INSECTICIDE. BENJAMIN F. WALLACE, Brooklyn, N. Y. Filed Feb. 9, 1925. Serial No. 8,037. 3 Claims. (Cl. 167-14.)

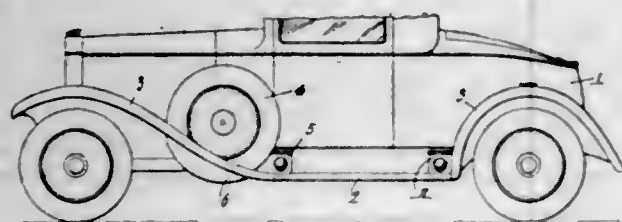
1. A larvicide containing less than 5% of Paris green less than 2% of digestible fatty animal acid and in excess of 90% of light, fluffy, calcium carbonate, the same being homogeneously incorporated together and the particles of said calcium carbonate having been separately water-proofed and rendered water repellent and capable of floating for long periods of time on water prior to the incorporation of the Paris green therewith.

1,738,091. CURTAIN ROD AND SHADE-ROLLER SUPPORT. JOSEPH AUSTIN WILLIAMS, Jacksonville, Fla. Filed Nov. 6, 1928. Serial No. 317,670. 1 Claim. (Cl. 156-24.)



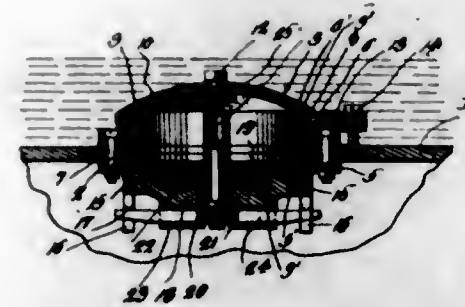
As an article of manufacture, a support for curtain rods and a shade roller comprising a plate, formed with a plurality of vertical slots, a pilaster or window frame clamping member mounted upon the lower end of the plate and adapted to embrace the window frame and having a screw clamp at one end, the plate at its upper end being formed with a plurality of outwardly offset upwardly extending integral fingers adapted to engage with a plurality of curtain rods, and a shade roller bracket having an angular base portion resting against the outer surface of said plate and having an angularly disposed lug engageable in any one of the slots of the plate to hold the plate against lateral swinging movement, and a bolt passing through the base portion and through one of the slots in the plate.

1,738,092. AUTOMOBILE LIGHT. FELIX BACH, Greensburg, Pa. Filed Oct. 12, 1928. Serial No. 312,105. 1 Claim. (Cl. 240-8.26.)



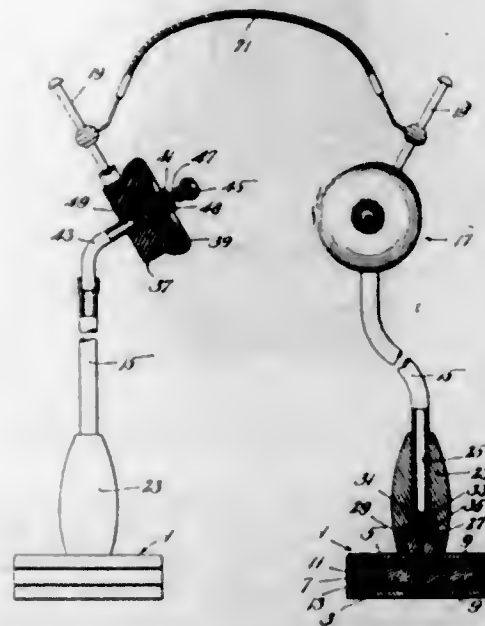
The combination with a motor vehicle having a running board, of a step supported by and above the running board, said step including a housing the top of which constitutes a tread, there being a light outlet in the bottom of the housing opening through the running board and a light outlet in the outer side of the housing, and a lamp in the housing for directing light rays through both outlets.

1,738,093. SUBMARINE SAFETY DEVICE. JOSEPH BLANCHET, Lawrence, Mass. Filed Mar. 9, 1928. Serial No. 260,505. 2 Claims. (Cl. 114-16.4.)



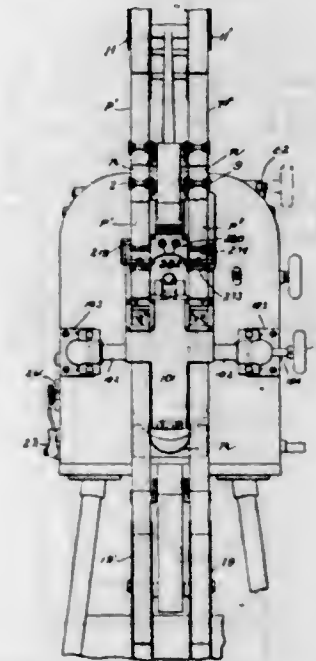
1. In a submarine safety device, the combination with the hull of a submarine having an opening therein, of a pair of rings each including a closure seat and an offset attaching flange, the closure seats being arranged in abutting relation and the flanges engaging the opposite sides of the hull, means connecting the flanges to the hull, a removable closure secured to the outer ring and engaging its seat, a depending annular flange formed on the inner ring having keeper arms, a removable closure plate for engaging the seat of the inner ring and provided with latches for engaging the keeper arms, and means for actuating the latches from either side of the last mentioned closure.

1,738,094. SOUND-LOCATING APPARATUS. GEORGE A. CALDWELL, Milton, and JOSEPH C. BIRCHALL, Reading, Mass.; said Birchall assignor to said Caldwell. Filed Dec. 3, 1928. Serial No. 323,263. 8 Claims. (Cl. 181-0.5.)



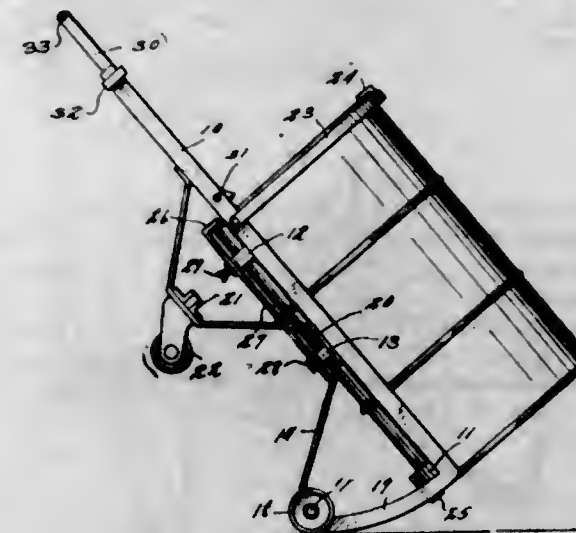
1. Apparatus for locating sounds comprising a pair of geophones, a head gear having a pair of ear pieces, and tubes connected to the geophones and ear pieces, each of said ear pieces comprising a block containing an air chamber communicating with its tube, a plunger in the air chamber having a hollow stem projecting from the chamber, a nipple on the stem for insertion in the auditory duct, and a spring tending to move the plunger toward an end of the chamber and yieldable to prevent undue pressure of the nipple on the ear drum when the head gear is in use.

1,738,095. PHOTOGRAPHIC-FILM PRINTER. HERBERT O. CARLTON, Brooklyn, N. Y., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed May 29, 1925. Serial No. 33,673. 39 Claims. (Cl. 95-75.)



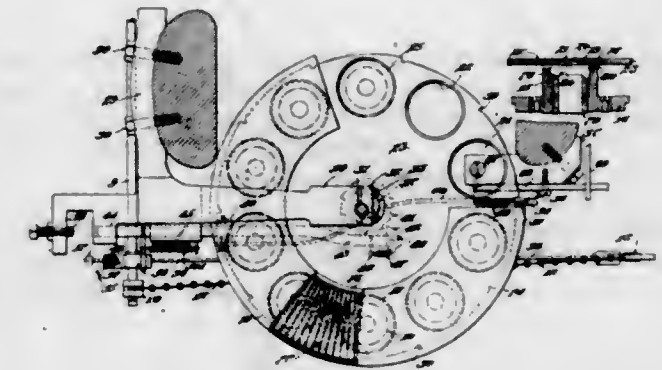
1. The method of making complemental cinematographic films which comprises feeding a plurality of positive films along laterally offset paths in which surfaces of said films are parallel to a common plane, feeding a single negative film in a path in which it moves parallel to said first mentioned paths but in different directions in the respective paths, and concomitantly forming complemental series of images on the positive films in said first paths.

1,738,096. BARREL TRUCK. PERRINO B. COLE, Cambridge, Nebr. Filed Dec. 20, 1927. Serial No. 241,404. 2 Claims. (Cl. 280-49.)



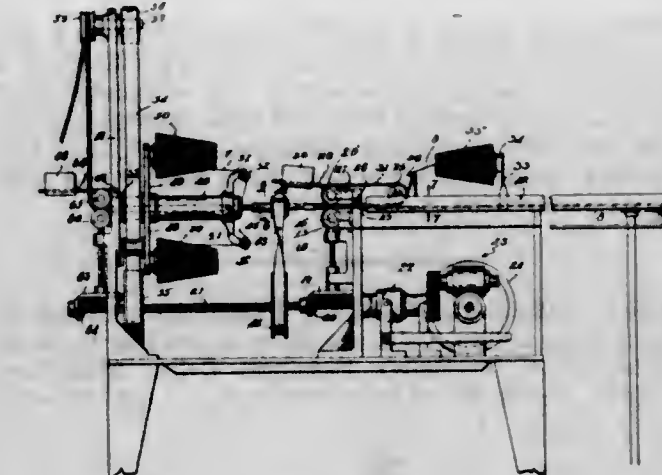
1. A truck including a wheeled frame consisting of longitudinal members constituting handle bars, transversely extending depressed members connecting the longitudinal members and constituting barrel rests, wheels mounted upon said frame adjacent the forward and rear ends thereof, the longitudinal members being extended rearward and have inwardly projecting hooks, auxiliary handle bars pivoted to said longitudinal members on their inner faces, the bars being adapted to be shifted toward or from each other and to be engaged beneath the hooks on the longitudinal members or turned to a vertical position to permit the truck to be shifted forward upon its wheels without lifting the rear end of the truck, a spring urging said bars apart, and supporting means upon the truck for engaging a barrel, one of said supporting means being shiftable out of engagement with the barrel.

1,738,097. APPARATUS FOR FORMING COMMUTATOR RINGS. HENRY W. COOPER, West Newton, Mass., assignor to New England Mica Co., Waltham, Mass., a Corporation of Massachusetts. Filed Jan. 14, 1927. Serial No. 161,092. 5 Claims. (Cl. 18-19.)



3. A machine of the class described having, in combination, a molding station, a loading station, a carrier having a plurality of pockets each adapted to hold material to be molded at the molding station, means for indexing the carrier to transfer a pocket from the loading station to the molding station, and means interposed between the stations for heating the material during its transfer from the loading station to the molding station.

1,738,098. APPARATUS FOR MAKING TEXTILE STRANDS. JOHN C. CORAM, Lowell, Mass., assignor to Bay State Rug Company, Waltham, Mass., a Corporation of Massachusetts. Filed Feb. 9, 1928. Serial No. 253,027. 8 Claims. (Cl. 117-34.)

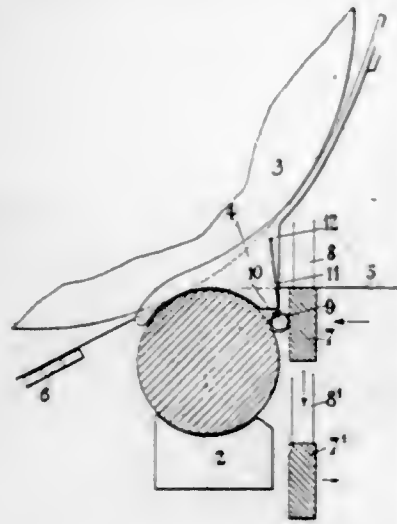


1. Apparatus of the class described comprising a rotary twister, a pair of moving endless belts adapted to grip a rag between them and advance it toward the twister, means for rotating the twister, and means for winding a binder thread helically around the twisted rag delivered from the twister.

1,738,099. PREPARING MACHINE FOR SPINNING. EUGENE FIATRE, Lille, France. Filed Dec. 11, 1928. Serial No. 325,322, and in Great Britain Dec. 22, 1927. 4 Claims. (Cl. 19-129.)

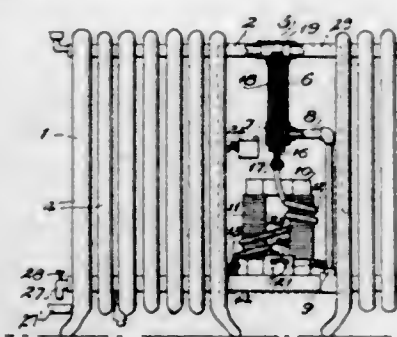
1. In preparing devices of the character described, in combination, a drawing roller, a dropping faller including

a bar and gills, and cleaning means positioned tangentially of the upper face of the roller adjacent the faller in such



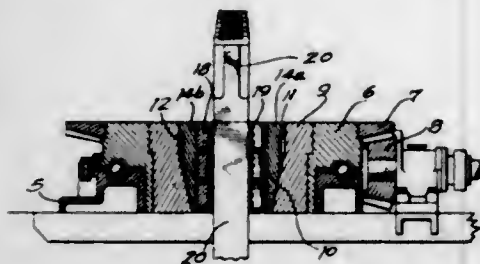
manner that during dropping movement of the faller both the bar and gills thereof contact with the cleaning means so that the impurities are removed from the faller.

1,738,100. RADIATOR. ROBERT R. GOSHORN, Jasonville, Ind., assignor to The All-Ways-Hot Mfg. Co., Jasonville, Ind. Filed June 15, 1928. Serial No. 285,677. 7 Claims. (Cl. 219-47.)



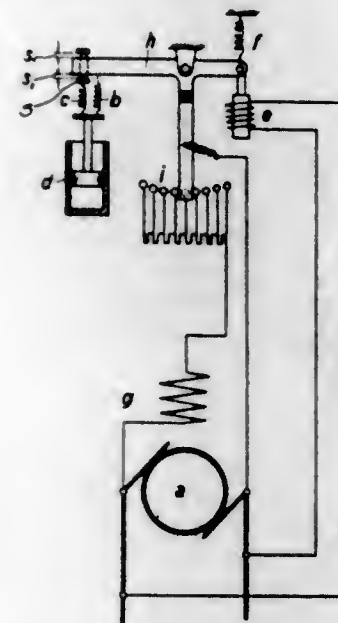
1. A radiator including upper and lower headers, a plurality of heater sections associated with said headers, a transformer including a pipe coil as the secondary winding, a tank communicating with said upper header, a sleeve in said tank and electrically connected thereto, said pipe coil having connection with said lower header and with the upper end of said sleeve.

1,738,101. DRILL-DRIVE-STEM BUSHING. HOMER L. GRAHAM, La Habra, Calif., assignor of one-half to W. H. Taylor and V. W. Bailey, Pasadena, Calif. Filed Mar. 5, 1929. Serial No. 344,341. 11 Claims. (Cl. 308-6.)



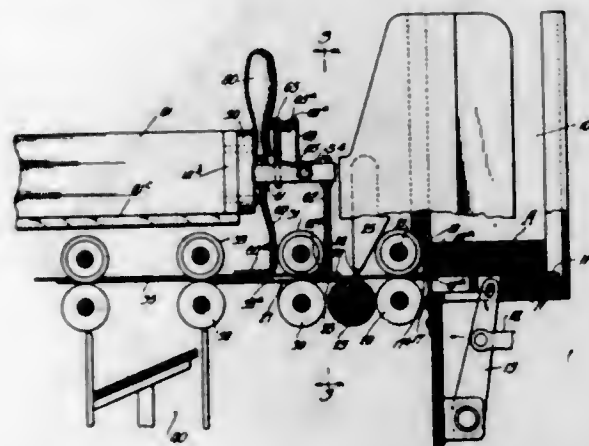
1. The combination of a rotary drive member, a bushing mounted therein having a hole extending therethrough, liner sockets in said drive member at the walls of said hole, and liners for engaging a drive stem mounted in said sockets to engage the drive stem, said liners having bearing faces coacting with the socket faces so that said liners are freely turnable in said sockets, said liners having their inner faces arranged to engage the drive stem for rotating the latter with said member.

1,738,102. QUICK-ACTING REGULATOR. HEINRICH GÜTTINGER, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Filed Dec. 27, 1927. Serial No. 242,902, and in Germany Nov. 25, 1926. 4 Claims. (Cl. 171-229.)



1. A quick-acting regulator for electrical machines comprising, in combination, a moving element responsive to variations in the electrical quantity under regulation, a controlling spring therefor, a step by step variable resistance actuated by said moving element, a damping device, and a spring coupling between the moving element and the damping device, the strength of the coupling bearing an increasing ratio to the magnitude of the deflection of the moving element as the deflection increases.

1,738,103. AUTOMATIC STOP DEVICE. GEORGE W. HAMAN and ORTON G. CULVER, La Porte, Ind. Filed July 23, 1928. Serial No. 294,804. 7 Claims. (Cl. 192-127.)

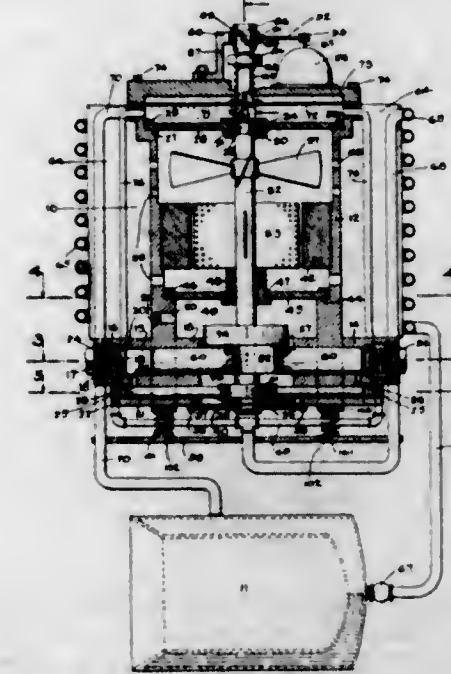


1. In combination, mechanism for feeding articles in a desired path including a source of power and spaced pairs of co-acting driven opposed rollers, and stop means including a member located adjacent said path of travel between said pairs of rollers and actuable by any of said articles having a portion projecting out of said path to discontinue the application of power to said mechanism.

1,738,104. COMPRESSOR AND THE LIKE. CARTER F. HALL, Baltimore, Md. Filed Nov. 10, 1927. Serial No. 232,238. 9 Claims. (Cl. 230-185.)

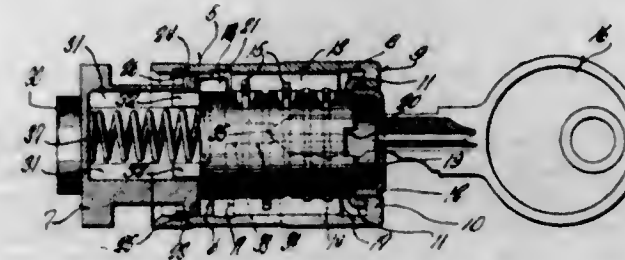
1. A compressor apparatus comprising a main shell or casing within which is housed a prime mover, a vertically

extending shaft located within said casing and arranged for rotation by said prime mover, a pair of diametrically opposed cylinders arranged at the bottom of and integral



with said casing, a pair of pistons operable within said cylinders, and means carried by said shaft for simultaneously reciprocating said pistons within their respective cylinders.

1,738,105. LOCK. EDWARD N. JACOB, Milwaukee, Wis., assignor to Briggs and Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Feb. 20, 1928. Serial No. 255,817. 12 Claims. (Cl. 70-46.)



1. In a lock device including a cylinder mounting head, a cylinder rotatable within the head having a key receiving opening and tumblers carried by the cylinder and normally locking the same in one position against rotation, said tumblers being operable by the insertion of a proper key in the cylinder opening to free the cylinder for rotation from its locked position, a tail piece connected with the cylinder for rotation therewith and having a central bore provided with diametrically opposed longitudinal grooves, a member guided in the grooves of the tail piece, an extension carried by said member and adapted to project into the key opening of the cylinder from the rear, and spring means within the bore of the tail piece and yieldably urging the member guided therein to position its extension into the key receiving opening, said extension being engaged by the inner end of a key inserted in the cylinder opening and moved into the tail piece against its spring to free the cylinder for rotation from its locked position, said member moving into the key opening as the cylinder is returned to its locked position to eject the key from the cylinder opening.

1,738,106. BRACELET. WILHELM KUEHNER, Providence, R. I. Filed Dec. 8, 1928. Serial No. 324,739. 2 Claims. (Cl. 63-4.)

1. A bracelet including a pair of spaced flexible side members and a series of plate-like units of concavo-convex

form in both cross and longitudinal section, said units having their adjacent ends overlapping and freely movable toward and away from one another, said units having lugs on their opposite sides and at the centers of said



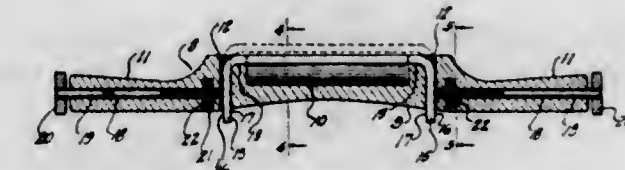
sides which lugs are bent into engagement with the respective side members so as to provide for free relative flexing movement between the ends of the units and the side members.

1,738,107. BELT FOR PERSONAL WEAR. MORRIS LUFTIG, Oak Park, Ill. Filed Dec. 3, 1927. Serial No. 237,354. 3 Claims. (Cl. 241-8.)



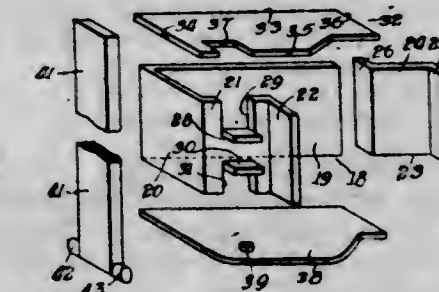
1. A belt or the like for personal wear, comprising an elastically yieldable core and a tubular casing therefor made up of flat strips braided together and extending diagonally across the core, said strips being connected to one another at intervals and also connected to the core at intervals, the unconnected strip portions being free to move and accommodate themselves to the expansion and contraction of the core.

1,738,108. SPOKE SHAVE. FREDERICK L. MAYER, Milwaukee, Wis. Filed Aug. 17, 1928. Serial No. 300,232. 4 Claims. (Cl. 145-55.)



1. A shaving tool comprising a body portion having a central recess, having transversely extending openings on each side of said recess, and having bores extending longitudinally from the ends of the body portion to the transversely extending openings; a cutting blade having projecting end portions bent at right angles to said blade, said blade being positioned within the central recess of the body, and said projecting end portions being received by the transversely extending openings of said body; and bolts threaded in the longitudinally extending bores and engaging the projecting ends of the blade for adjustably securing said blade in any desired cutting position.

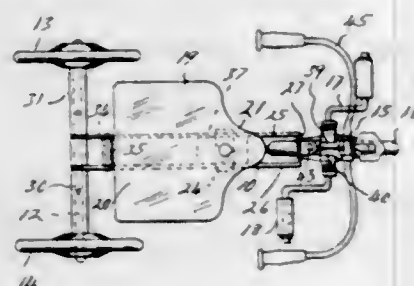
1,738,109. FOLDING STAKE OR UPRIGHT FOR TRUCKS, CARS, AND THE LIKE. WASHINGTON R. MCCORD, Brookfield, Ill. Filed Nov. 8, 1928. Serial No. 317,964. 3 Claims. (Cl. 296-43.)



1. In a stake pocket for trucks, cars and the like having a longitudinally extending side sill, an invertible irregular plate attached to the end of said side sill and consisting

of a flange attached to the outer portion of said sill, a transversely extending portion across the end of said sill and an inwardly bent portion parallel to said first mentioned flange and spaced from said sill, said inwardly bent portion having an offset flange, and horizontal ledges struck out from said inwardly bent portion to provide a support for a stake in either of the two positions of the invertible irregular plate.

1,738,110. CHILD'S VEHICLE. JAMES C. MEYERS, Toledo, Ohio, assignor to The Gendron Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 9, 1928. Serial No. 268,751. 8 Claims. (Cl. 208—113.)



1. In a child's vehicle, a pair of rear wheels, a front wheel, means for connecting said wheels including a one piece frame having portions at the rear end thereof for supporting said rear wheels and terminating at the forward end in laterally spaced substantially parallel horizontal portions, pedals on said front wheel, means for steering said front wheel, a seat slidably mounted on the horizontal portions of said frame to permit adjustment of the same relative to said front wheel and means for clamping said seat in adjusted position.

1,738,111. FABRIC-CLAMPING CLIP. ADELBERT F. MOWRY, Worcester, Mass. Filed Feb. 9, 1928. Serial No. 253,054. 4 Claims. (Cl. 24—248.)

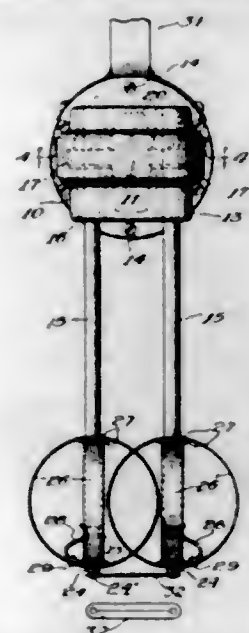


4. A fabric clamping device comprising in combination a substantially stationary member, a movable member pivotally connected to the stationary member, a curved grooved section on the under side of the movable member for receiving the stationary member when the movable member is operated, lever means attached to the pivotal connecting means of the movable member for moving the movable member towards the stationary member, the construction and arrangement being such that the movable member has imparted thereto a radial motion as the lever means is moved into its closing position toward the movable member, and means for retaining the lever means and the movable member locked together, as the lever means is moved in the same direction as the movable member, as described.

1,738,112. MOTOR-DRIVEN BEATER. THOMAS B. MYERS, Racine, Wis., assignor to Hamilton Beach Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 5, 1929. Serial No. 353,623. 10 Claims. (Cl. 259—131.)

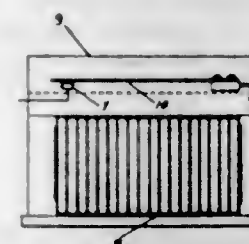
1. A motor driven egg beater comprising a motor having a horizontally disposed shaft, a motor casing, the shaft extending beyond one end of the casing, a gear casing secured to the motor casing and enclosing the end of

the motor shaft, beater rods rotatably mounted in the gear casing in operative connection with the motor shaft,



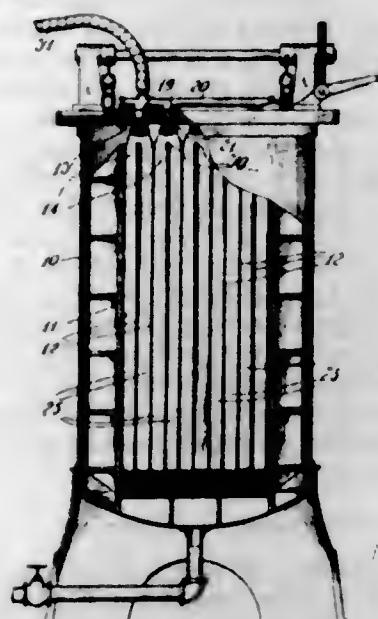
said rods depending from said gear casing at right angles to the motor shaft, beater elements on said depending rod ends, and a handle secured to the motor casing.

1,738,113. RECTIFIER FOR ALTERNATING CURRENT. CLARENCE E. OGDEN, Cincinnati, Ohio, assignor to The Kodel Radio Corporation, a Corporation of Ohio. Filed June 26, 1928. Serial No. 288,327. 2 Claims. (Cl. 175—318.)



1. In combination with a rectifier of the character mentioned, a canopy over said rectifier arranged to accumulate heat therefrom, and a thermostatic current control under said canopy, said control being arranged to open the circuit when heated beyond normal operating temperature.

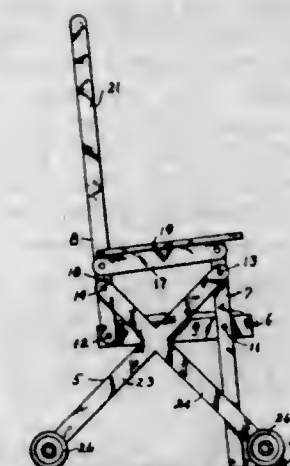
1,738,114. FILTER BAG. FREDERICK OLSON, Chicago, Ill. Filed Oct. 17, 1927. Serial No. 226,578. 7 Claims. (Cl. 210—190.)



1. A filter bag bifurcated beneath the upper end, the upper end being provided with a closure or top having a

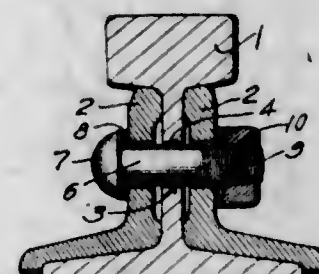
fluid introducing opening therein, a continuous resilient element secured to the upper end of the bag, the bag at the juncture of said bifurcations being slit transversely, and clamping means for said slit portion.

1,738,115. RECLINING CHAIR. CLARENCE B. RECTOR, Berkeley, Calif. Filed Mar. 31, 1928. Serial No. 266,201. 2 Claims. (Cl. 155—110.)



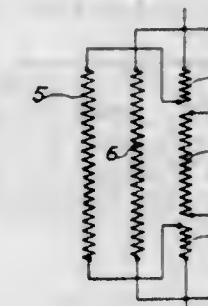
1. In a chair, spaced side frames, a seat, forward and rear links operative to support said seat from and between said frames in suspended and swinging relation, said links being substantially parallel and the forward links being measurably longer than the rear links, and means maintaining said links in said substantially parallel relation during a swinging of said seat.

1,738,116. COMBINED RAIL JOINT AND LOCK NUT. WALTER H. REX AND FRANK P. WOODWARD, Tallahassee, Fla.; said Rex assignor of ten per cent to Carrel Foster, Atlanta, Ga. Filed Sept. 8, 1928. Serial No. 304,812. 1 Claim. (Cl. 238—262.)



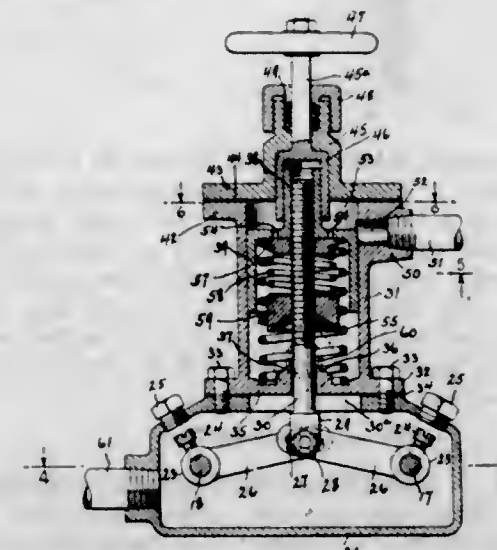
A splice bar rail joint securing means comprising the combination with abutting rail ends, of splice plates disposed at opposite sides of the joint and having bolt holes for registry with bolt holes in the rail webs, bolts disposed through the bolt holes, nuts threaded on said bolt ends and formed with integral ratchet faces contacting the splice plates, the material of said plates surrounding said bolt holes being formed to provide ratchet teeth extending radially coextensive with the circumferential area of rotation of the nuts.

1,738,117. NONMAGNETIC-CORE REACTANCE COIL. LUDWIG ROEBEL, Mannheim, Germany. Filed Jan. 29, 1929. Serial No. 335,887, and in Germany Jan. 27, 1928. 2 Claims. (Cl. 175—359.)



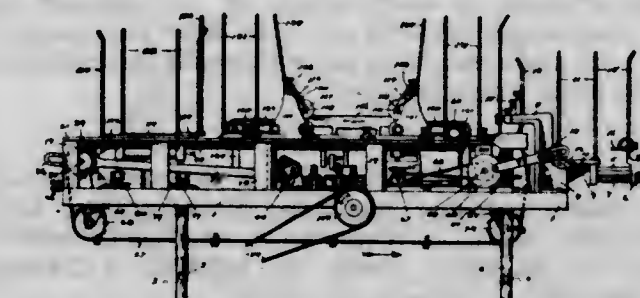
1. In reactance apparatus of the character described, a coil comprising a plurality of coil portions, and a second coil connected in series relation with one of said coil portions, such series and another of such coil portions being connected in parallel relation.

1,738,118. FLUID-PRESSURE-CONTROL MECHANISM FOR OIL-BURNING APPARATUS. EDWARD BROMLEY RODGERS, New York, N. Y., assignor to Olive M. Perkins. Filed July 22, 1927. Serial No. 207,802. 5 Claims. (Cl. 158—42.1.)



1. Pressure control mechanism for liquid fuel burning apparatus in combination with an oil and gas line, a pressure housing, a piston within said housing, a liquid fuel inlet to said housing above the piston head, a spring engaging said piston against the internal oil pressure, said piston head having apertures therethrough and a freely movable valve for closing said apertures when the internal pressure on said piston falls below a predetermined point, interconnected valves in the said oil and gas line, a stem connecting said valves with the piston, said piston controlling the open and closed position of said valves in accordance with the internal oil pressure on the piston head.

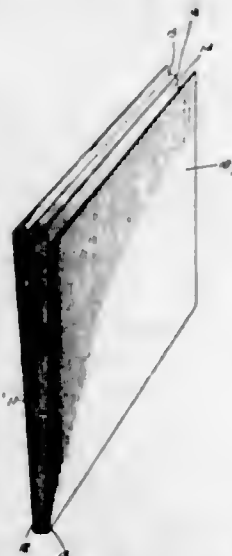
1,738,119. INSERTING MACHINE. GEORGE SAGUE, Oakes, N. Y., assignor to George Sague Mfg. Corp., a Corporation of New York. Filed Mar. 16, 1926. Serial No. 95,146. 3 Claims. (Cl. 93—6.)



1. In an inserting machine of the class described, in combination with an envelope supply and means for con-

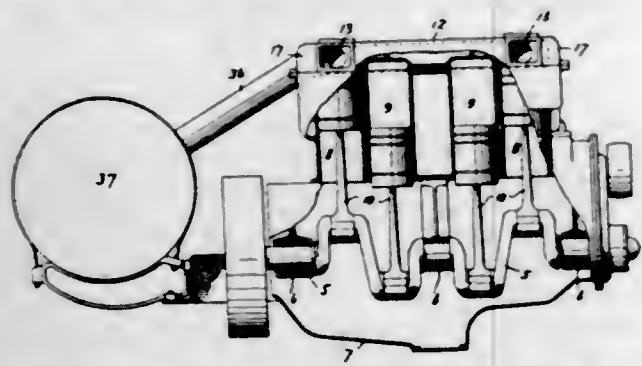
veying the envelopes through said machine, and opening and closing their flaps during said travel, of a combined reciprocating collector and loader, and insert supply stations having means for delivering inserts to said collector during its backward and forward travel.

1,738,120. FILE FOLDER. ADOLF H. SCHAFFERT, Rochester, N. Y., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y., a Corporation of New York. Filed Jan. 15, 1923. Serial No. 612,612. 6 Claims. (Cl. 129-16.7.)



1. An open-ended folder adapted for use in a filing system comprising a blank folded substantially centrally thereof to form a front and a back, said back extending above said front and being folded back on itself and projecting outwardly and then downwardly between the front and the back for overlying the contents of the folder, said outward projection of said flap being spaced a distance below the upper edge of the back to provide a space for filing information.

1,738,121. ENGINE COMPRESSOR. HENRY N. SCHRAMM, West Chester, Pa. Filed Apr. 23, 1927. Serial No. 186,098. 2 Claims. (Cl. 230-41.)

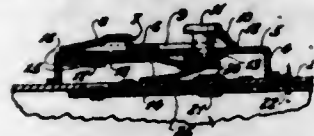


1. In an engine-pump unit, the combination of a block having cylinders therein, a crank shaft, pistons connected to the crank shaft and reciprocable in the cylinders, and a cylinder head constructed to replace the normal cylinder head for the block and provided with certain portions arranged to cover certain of the cylinders to render them engine cylinders and with other portions carrying valves and arranged to cover others of the cylinders to render them pump cylinders.

1,738,122. FLASH LIGHT. JAMES L. SHANNON, Springfield, Mass., assignor to Blake Manufacturing Co., Springfield, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1928. Serial No. 247,578. 4 Claims. (Cl. 200-80.)

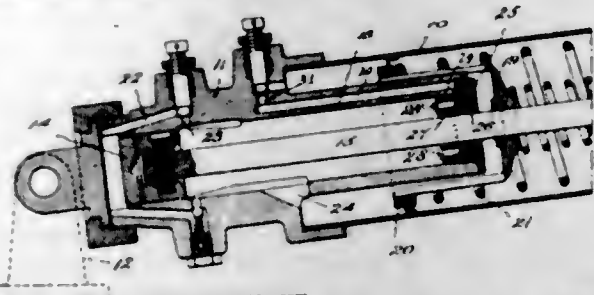
1. A switch device for flash lights having a metallic tubular battery receiving casing, comprising a plate

member which is secured to the tubular casing of the light, the plate being formed with a struck-up or detent portion which extends downward below the inner surface of the plate, a slidable contact plate located within the plate member and formed with a plurality of openings to receive the said struck-up or detent portion, a slidable thumb piece located on the upper surface of the plate, means for connecting the thumb piece to the slidable con-



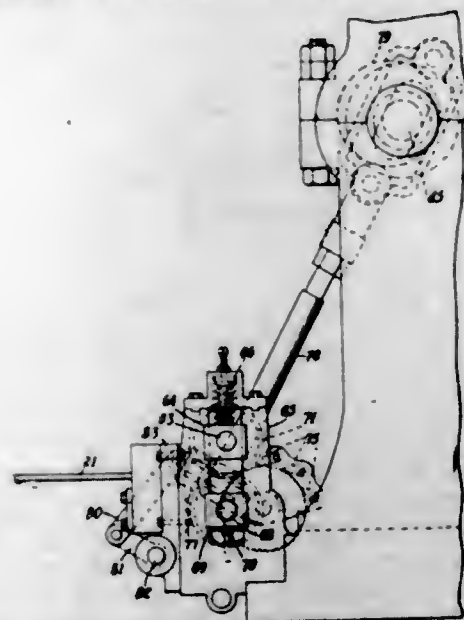
tact plate for moving the slidable contact plate to permit the struck-up or detent portion to snap from one opening to the next, a push button located in an opening of the slidable thumb piece, said push button being located above the contact plate, the construction and arrangement being such that the thumb piece may be located in a position, so as to permit of a temporary closing of the circuit or for permanently closing the circuit.

1,738,123. DOORCHECK. HAROLD W. SHONNARD, Montclair, N. J., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Feb. 20, 1928. Serial No. 89,566. 4 Claims. (Cl. 16-52.)



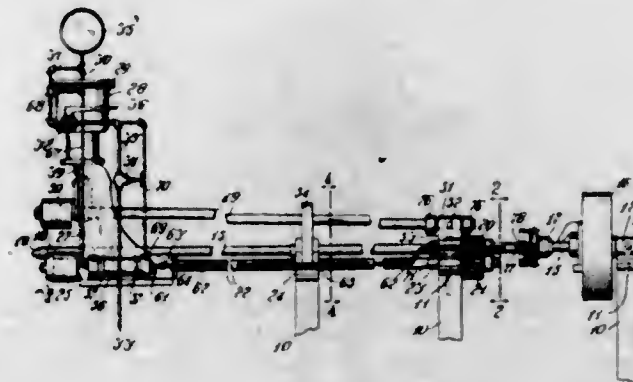
1. In a door check, a cylinder having a restricted oil exit at one end, a piston in said cylinder, a piston rod operatively connected to said piston, a closing head at said end of the cylinder having a central opening somewhat larger than the piston rod, and means adapted to be operated by pressure of the oil in one direction to close said space around the piston rod.

1,738,124. NUT MACHINE. GEORGE S. SMITH, Pittsburgh, Pa., assignor to Pittsburgh Screw and Bolt Corporation, a Corporation of Pennsylvania. Original application filed Mar. 29, 1926. Serial No. 98,180. Divided and this application filed Jan. 13, 1928. Serial No. 246,588. 6 Claims. (Cl. 153-48.)



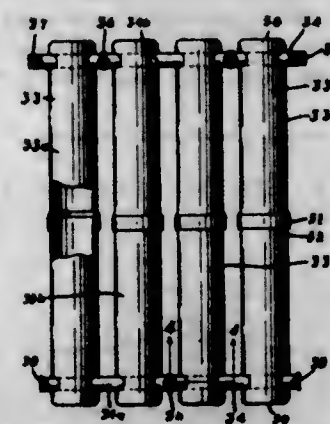
1. The combination in a nut making machine of means for intermittently feeding stock thereto, means for straightening said stock between feeding movements and a bar for actuating said feeding and straightening means.

1,738,125. TUBE-ROLLING MACHINE. HOWARD H. STEPHENS, Topeka, Kans. Filed Nov. 10, 1927. Serial No. 232,211. 14 Claims. (Cl. 80-18.)



6. A machine of the character described comprising a main frame provided with power imparting mechanism, a main shaft rotatably mounted in said frame and adapted to be placed into operative relation with said power mechanism, a pair of roller carrying shafts rotatably mounted in the main frame in a plane beneath that of said first mentioned shaft, an air cylinder mounted above said shafts and provided with a slide-way, a roller carrying idler shaft disposed through said slide-way and oscillatably mounted at one end to said main frame, a piston reciprocable in said cylinder and having controlling relation with said idler shaft, means for maintaining said piston in normal position, an air line communicating with said cylinder, and means for controlling air admission to said cylinder and for effecting operative relation between said first mentioned shaft and the power mechanism.

1,738,126. REFRIGERATING APPARATUS. ELMER O. STOUT, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 26, 1928. Serial No. 321,782. 10 Claims. (Cl. 62-141.)

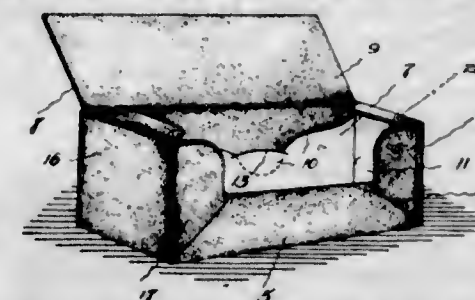


1. A water cooler adapted to be placed adjacent a mechanical cooling unit of a refrigerator comprising a plurality of elongated closed tanks placed in substantially parallel relation, a pipe at each of the ends of said tanks passing into and out of said tanks through openings in said tanks, and openings in said pipes within said tanks.

1,738,127. FOLDING PACKING AND DISPLAY CONTAINER. ARNOLD J. TANNER, North Haven, Conn. Filed Apr. 18, 1928. Serial No. 270,924. 4 Claims. (Cl. 229-23.)

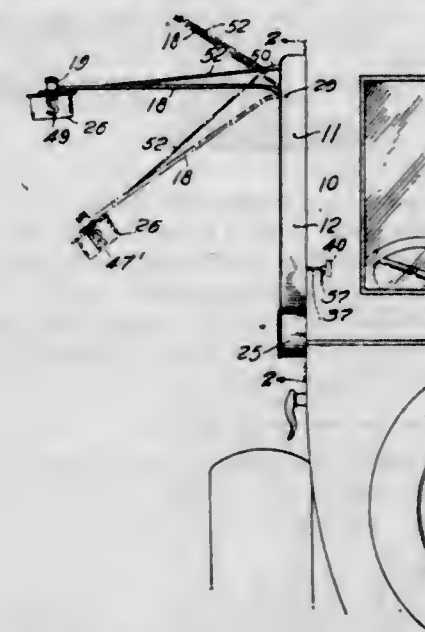
1. A container of the class described having an inner body and a separate enclosing shell, said shell providing the back, front and side walls of the container, said body

folding into said shell providing a bottom and a cover for the container, said body being united to said shell at the front end by means of a portion of said body being folded



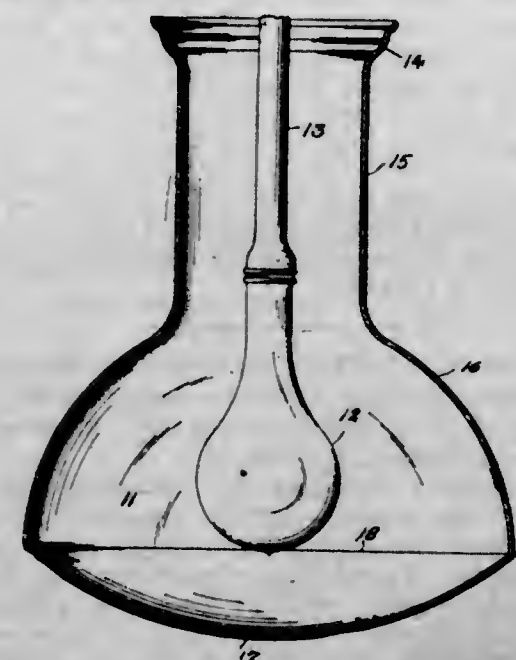
over the front and back surface of the front wall of said shell and self retentive means for retaining said portion in its folded position.

1,738,128. DIRECTION INDICATOR. BURT VAN DE WATER, Modesto, Calif. Filed June 26, 1929. Serial No. 373,797. 4 Claims. (Cl. 116-54.)



1. A direction indicator comprising a support, a semaphore pivotally mounted thereon for swinging movement, a changeable exhibitor carried by said semaphore, and an actuator rod for said exhibitor having pivotal connection at one end with said support and slidable connection at its other end with said exhibitor.

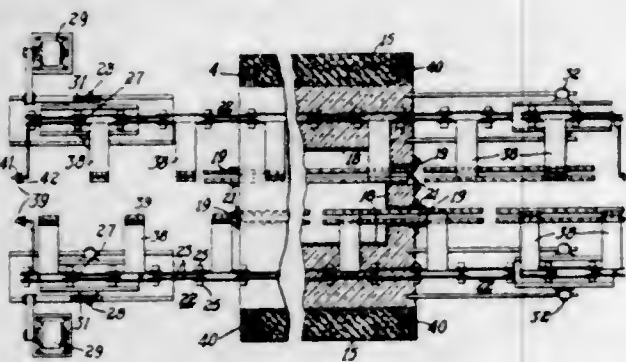
1,738,129. LIGHTING FIXTURE. JOHN F. WENZ, Wireton, Pa. Filed May 12, 1927. Serial No. 190,824. 1 Claim. (Cl. 240-100.)



A light globe comprising bottom and top spherical portions integrally joined together at the circumference of

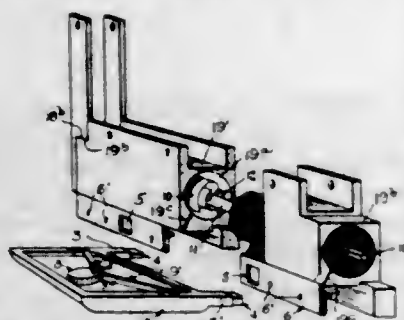
circular sections of equal diameters lying in a plane common to both portions, the diameter of the sphere including said bottom portion being materially larger than the diameter of the sphere including the upper portion, and a cylindrical portion integrally secured to said top spherical portion, the cylindrical portion being symmetrical with respect to an axis normal to said common plane at the center of said circular sections.

1,738,130. CONTINUOUS-HEAT ANNEALING FURNACE. FRANK J. WINDER, Brackenridge, Pa., assignor to Allegheny Steel Company, a Corporation of Pennsylvania. Filed Mar. 30, 1928. Serial No. 265,924. 2 Claims. (Cl. 263-8.)



1. The combination in a continuous furnace, of a heating chamber, a conveyor chamber located on top of one side wall of the heating chamber and below the roof thereof, a conveyor having one run thereof movable through said conveyor chamber and sheet supporting members carried by said conveyor and extending from said conveyor chamber into the heating chamber.

1,738,131. WINDOW-SCREEN DEVICE. ROMAN WOLZENSKI, Warrenton, Mo. Filed Jan. 25, 1928. Serial No. 249,482. 4 Claims. (Cl. 156-39.)



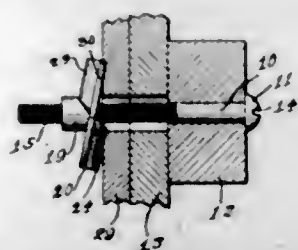
1. In a device of the class described, including a window frame, a window sash supported for vertical movement in said window frame, a rotatable element supported by said sash, a screen arranged to be wound on said rotatable element, and a pinion mounted on said rotatable element; guiding means arranged parallel with the direction of movement of said window sash, a rack movably supported by said guiding means, and means for detachably fixing said rack to said guiding means, said pinion being in mesh with said rack and said rack being capable of moving with said window sash and with respect to said guiding means when fixed connection with said guiding means is released.

1,738,132. WOOD VENEER AND PROCESS OF PREPARING SAME. WILLIAM H. WOOD, South Euclid, Ohio. Filed Apr. 7, 1924. Serial No. 704,698. Renewed July 26, 1928. 3 Claims. (Cl. 99-12.)

1. A wood veneer consisting of a sheet of porous wood impregnated with a water soluble substance consisting predominantly of free magnesium sulphate.

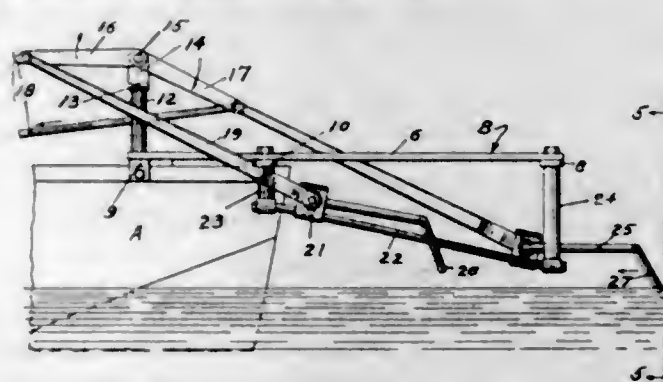
2. The process of preparing wood veneer for storage, shipment, and use which contains the step of soaking the same in a hot concentrated solution of a water soluble substance consisting predominantly of free magnesium sulphate.

1,738,133. TOGGLE BOLT. GUSTAV HILDING ANDERSON, New Britain, Conn., assignor to The Hart & Hutchinson Company, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 19, 1927. Serial No. 184,938. 3 Claims. (Cl. 85-3.)



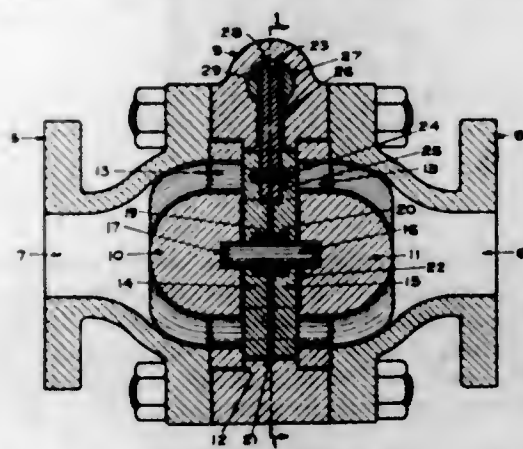
1. In a toggle bolt, a threaded shank having a head, a disc-like holding plate loosely mounted on said shank, said plate having a pair of beveled sections on opposite sides thereof, and a nut threaded on said shank and having a beveled portion interlocking with said holding plate, said plate having a pair of flat side wings to afford a wide clamping surface, whereby when the head of said shank is turned, said plate will be positively rocked transversely into holding position.

1,738,134. BOAT PROPELLER. JOHN J. ANDERSON, Minneapolis, Minn. Filed Apr. 6, 1929. Serial No. 353,102. 9 Claims. (Cl. 115-31.)



1. A boat propelling mechanism comprising a pair of laterally disposed races, blocks slidably carried by and on the races, a pair of paddles having shafts pivotally carried by the blocks, a pair of link bars attached to the paddle bars and for reciprocating the race blocks, each of said paddle shafts being relatively rigid with respect to one of the link bars.

1,738,135. VALVE. BRYANT BANNISTER, Pittsburgh, Pa. Filed Feb. 11, 1925. Serial No. 8,389. 3 Claims. (Cl. 251-90.)



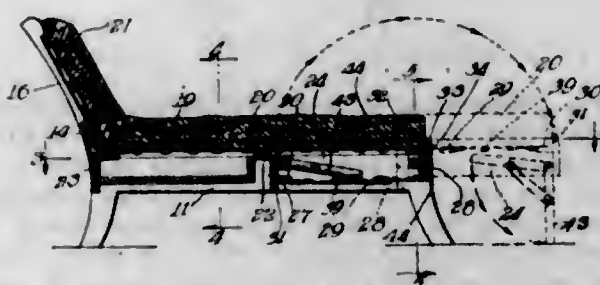
1. A disc valve having in combination a spacing member, separate ported valve seat members, inlet and outlet housings, means for clamping said housings to said spacing member so as to clamp said valve seat members in place and a valve disc rotatably positioned between said valve seat members for controlling the flow through the ports thereof.

1,738,136. WELL PUMP. THOMAS C. BANNON, Los Angeles, Calif. Filed Mar. 2, 1927. Serial No. 171,965. 14 Claims. (Cl. 103-204.)



1. A pump for use with a tubing and a hollow sucker rod, including a barrel carried by the tubing, and a hollow plunger carried by the rod and slidably fitting the barrel, the plunger and barrel having co-operating openings through which a fluid connection is made between the tubing and the plunger the opening in the barrel being between parts of the barrel which slidably carry the plunger.

1,738,137. CHAISE LONGUE. KATHRYN T. BRADY and HARRY R. L. WHITE, Chicago, Ill.; said White assignor to said Brady. Filed Feb. 10, 1928. Serial No. 253,262. 3 Claims. (Cl. 5-17.)

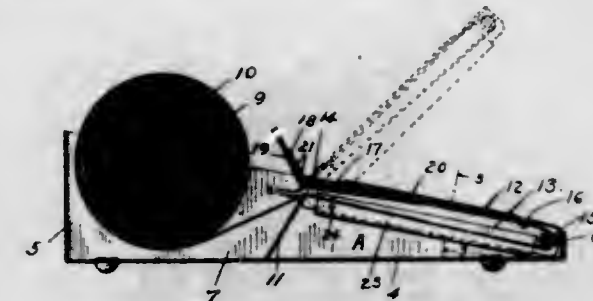


1. In a chaise longue, the combination of a main frame having side boards connected by a board at the head end, an extension section secured at the foot end of said frame by pivot means by which it is foldable lengthwise with relation thereto inwardly toward the head end thereof and outwardly away from said extension, having side portions, end portions and an intermediate cross portion joined together, one of said end portions serving as an end board for the foot of the main frame, a shouldered recess in one end of said last named end portion, and a sectional foldable spring frame supported by the main frame and having one end of an end section received in the shouldered recess when the extension is folded inwardly, said last section being foldable upwardly to allow outward rotation of the extension.

1,738,138. WICK FOR LIQUID-FUEL BURNERS AND PROCESS OF MAKING SAME. LEWIS A. COCKLIN, Griswold, Iowa. Filed Oct. 15, 1926. Serial No. 141,881. 2 Claims. (Cl. 158-96.)

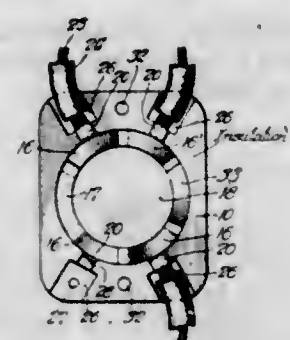
2. A wick for liquid fuel burners of the class described, comprising irregular fragments of the argillite-arenaceous refractory material formed by heating clay and sand under constant agitation to a sufficiently high temperature to fuse and agglomerate the raw material into porous clinkers.

1,738,139. DESK TABLE. HARRY C. CURRIER, Minneapolis, Minn. Filed Sept. 24, 1928. Serial No. 308,055. 7 Claims. (Cl. 281-6.)



1. A device of the character described comprising a hollow frame adapted to support a roll of paper in one end thereof, a tiltable writing plate covering the other end of the frame and forming a chamber therewith, a roller carried by the lower end of the plate over which paper is passed from the roll and to the upper surface of the plate.

1,738,140. CONTACT-TERMINAL MOUNTING. VICTOR R. DESPARD and HANS C. R. POPP, Valparaiso, Ind., assignors to McGill Manufacturing Company, a Corporation of Indiana. Filed Oct. 16, 1923. Serial No. 62,835. 9 Claims. (Cl. 200-166.)



1. In a device of the character described, a hollow insulating body portion, a cover therefor and contacts in said body portion, said body portion having grooves therein extending from the hollow thereof and said contacts having extensions thereon seated in said grooves and clamped between said body portion and said cover to hold said contacts in substantially fixed position in said body portion.

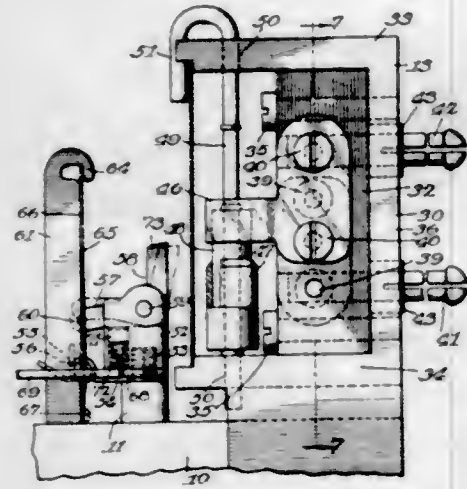
1,738,141. ELECTRICAL RESISTANCE UNIT AND METHOD OF MANUFACTURING SAME. NICHOLAS L. ETIEN, Chicago, Ill., assignor to Charles F. Nottzger, Chicago, Ill. Filed Aug. 11, 1928. Serial No. 299,180. 10 Claims. (Cl. 201-76.)

3. An electrical resistance comprising a mixture of comminuted schist, pulverulent iron, and a binder molded under pressure into a unit retaining its form when subjected to a high temperature.

1,738,142. THREAD-CONTROLLED STOPPING DEVICE FOR SEWING MACHINES. JOHN F. GAIL, Evanston, Ill., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1926. Serial No. 139,048. 9 Claims. (Cl. 112-219.)

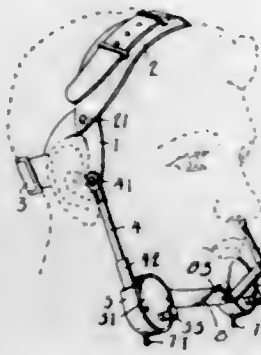
1. In combination, a sewing machine including a reciprocating needle bar having a needle secured thereto, means for guiding thread to said needle, power means for operating said sewing machine, and thread controlled means for shutting off said power means to stop the operation of the sewing machine and comprising an arm movably mounted on said reciprocating needle bar and

having means for engaging the thread before the thread reaches the needle whereby the arm is normally held in inoperative position, means for causing said arm to move



into an operative position when the tension on the thread is reduced, and means actuated by engagement with said arm when in said operative position for shutting off said power operating means.

1,738,143. DENTIST'S BITE-CHECK APPARATUS. LEON C. HICKOK, Grand Rapids, Mich. Filed Mar. 12, 1928. Serial No. 260,903. 6 Claims. (Cl. 32-1.)

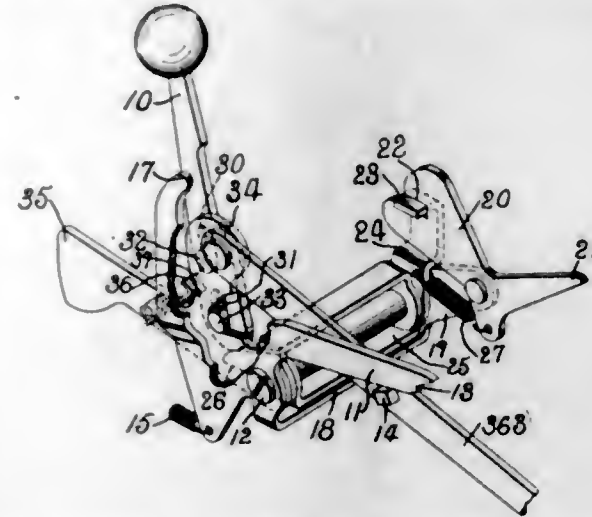


1. In a dentist's bite check apparatus, the combination of a head gear comprising adjustable top and back head straps, hook-shaped ear plates with a pivot capable of adjustment to positions opposite the mandibular joint, straps and spring take-up devices at each side connected at the pivots to said ear plates, a chin rest with swivel connections to the said take-up devices at each side, sliding gauge devices on the take-up straps, a screw to set the take-up spring devices, escapement dogs to adjust the tension of the spring and regulate the take-up device, and a nose gauge comprising pivoted arms pivoted centrally to the chin rest and adjustable frictionally to proper relation with the nose, all coacting as described.

1,738,144. CONTROLLING MEANS FOR CALCULATING MACHINES. ALLEN A. HORTON, Plymouth, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 10, 1927. Serial No. 160,023. 11 Claims. (Cl. 235-60.)

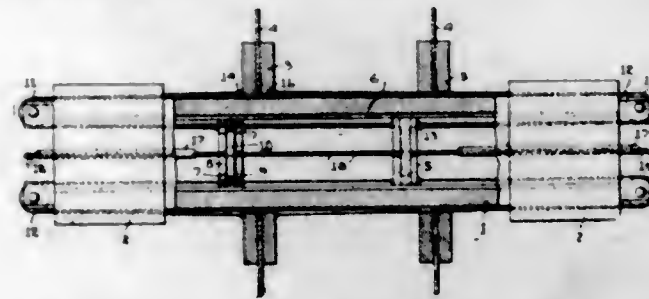
2. The combination in a calculating machine of a controlling means normally occupying one position where it conditions the machine to perform one function but movable to another position to condition the machine to perform another function, means for automatically returning

the controlling means to its first position after the machine has performed a function with the controlling means in its second position, and connections controlled by spe-



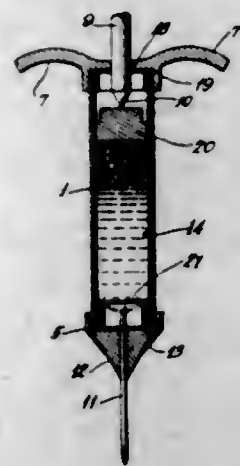
cial manipulation of said controlling means acting to prevent the controlling means from being automatically returned to its first position.

1,738,145. ARBOR. GEORGE J. HULBERT, Seattle, Wash. Filed June 18, 1924. Serial No. 720,856. 8 Claims. (Cl. 143-37.)



1. The combination of a rotary shaft and a laterally adjustable saw or saws mounted thereon, of means for adjusting the saws by a device operating parallel to and adjacent the axis of the shaft, and involving connections from said device to the saws at points more remote from said axis and outside of the shaft which are guided to move parallel with the shaft and extend from inside to outside of the shaft without intersecting that portion of the shaft along which the saw is to be adjusted.

1,738,146. HYPODERMIC SYRINGE. IRVING KULIK, Brooklyn, N. Y., assignor to Cook Laboratories, Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 18, 1923. Serial No. 658,017. 24 Claims. (Cl. 128-218.)



1. A hypodermic syringe instrument comprising a cartridge-holding barrel consisting of a straight open-ended

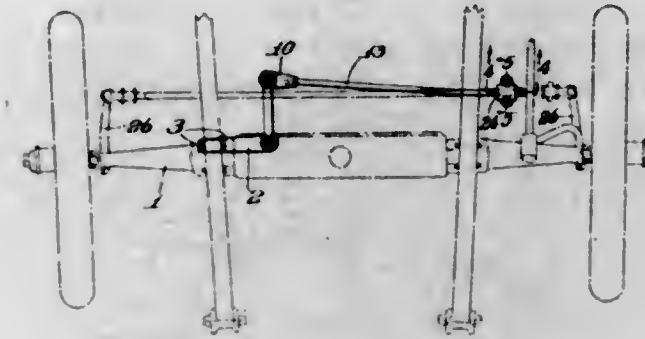
tube of substantially uniform bore, a double-pointed needle arranged with its inner end protruding into the barrel to pierce the fore end of a cartridge inserted therein, a conical head rigidly secured on said needle intermediate its ends, the larger end of said head being adjacent to and of sufficient diameter to butt against the fore end of the barrel, a cap engaging said head and screwed to the fore end of the barrel and clamping said head to the barrel, a cap screwed on the opposite end of the barrel provided with an opening, and a plunger rod adapted to pass through said opening for operating the cartridge.

6. A cartridge for use in hypodermic syringes embodying a tubular portion adapted to contain liquid, a piston positioned within one end of the tubular portion and dis ruptable seals for closing both of the opposite ends of the tubular portion and enclosing the piston.

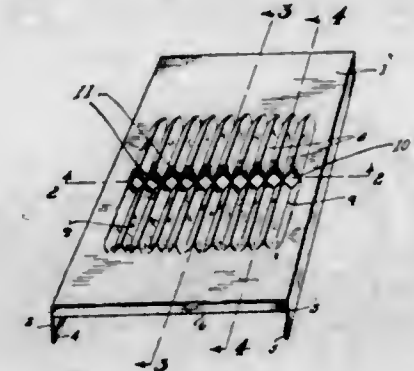
19. A syringe cartridge comprising a sealed fluid-containing tube pierceable by a needle and contractible in interior volume for ejecting the fluid contents through the needle and embodying means to prevent escape of fluid through the needle until the cartridge is so interiorly contracted.

22. A syringe cartridge embodying a tube having a sealing stopper formed to provide an inwardly extending annular wall, and a distending element fitted in said annular wall and holding the same in tight contact with the interior of the tube.

1,738,147. ANTISHIMMYING DEVICE. WILHELM MOLLEN, Upper Darby, Pa., assignor to Front Wheel Control, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 3, 1927. Serial No. 237,537. 1 Claim. (Cl. 280-89.)

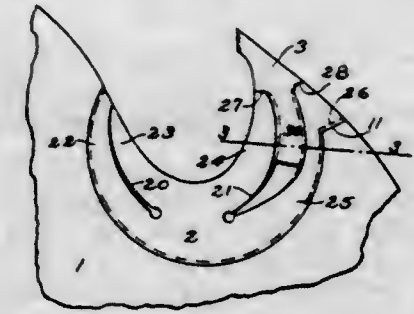


having a series of upwardly extending corrugations in spaced relation, a series of depressions oppositely disposed



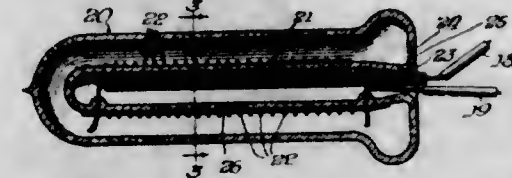
to the upwardly extending corrugations to form an opening therebetween, the other end of said corrugations gradually diminishing into the body element.

1,738,149. INSERTED SAW TOOTH. ELIJAH C. ORR, Seattle, Wash., assignor to Orr Saw Tooth Grinder Co., Seattle, Wash., a Corporation of Washington. Filed Feb. 25, 1927. Serial No. 170,817. 6 Claims. (Cl. 143-151.)



1. A tooth holding body for inserted saw teeth having a crescent-like outline with each end of the crescent slotted to make an inner and an outer finger, said slot at one end being of a size to receive a tooth shank, both of said outer fingers having resiliency permitting inward yielding when inserted in the saw to thereby grip the tooth shank at one end and to close the slot space at the other end.

1,738,150. HEATING ELEMENT. LOUIS A. M. PHELAN, Elkhart, Ind., assignor, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind., a Corporation of Maryland. Filed Dec. 22, 1926. Serial No. 156,343. 3 Claims. (Cl. 219-19.)



1. Heating means comprising a sealed tube having an elongated re-entrant portion, a current-carrying coil supported interiorly of said tube, and insulating means for holding the turns of said coil in a spaced and insulated relation.

The combination with the front axle of a motor vehicle, of a bracket connected to the front axle, links connected to the bracket including friction means, an element connected to the links having friction means with devices for increasing and decreasing the friction of both friction means, a clamp carried by a cross connecting rod which operatively connects the front wheels of a vehicle, said clamp being adjustable and provided with a depending boss having an opening, a bolt passing through the opening of the boss and adjustably threaded into one end of said element, means for locking the bolt in position, and resilient means on each side of the boss and surrounding the bolt, whereby the lateral vibrations of the front wheels may be absorbed.

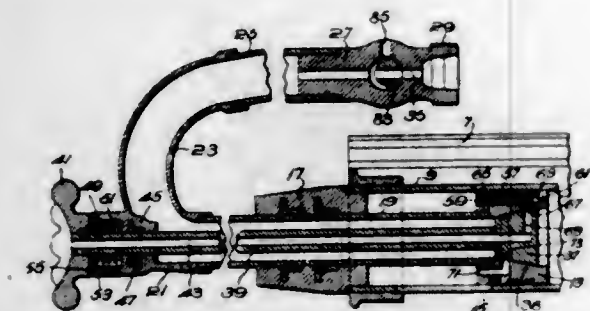
1,738,148. DEVICE FOR MAKING SHOE-STRING POTATOES. BRUNHARD O. OPITZ, Portland, Oreg., assignor of one-third to Frank J. Sterne and one-third to Joseph Dunne, Portland, Oreg. Filed Dec. 15, 1927. Serial No. 240,160. 1 Claim. (Cl. 146-171.)

In a device of the class described, the combination of a one piece body element having end and side walls and having a horizontal portion disposed therebetween and

1,738,151. DRILLING MACHINE. JOHN ALBERT PIERSON, Melrose Highlands, Mass., assignor to George H. Gilman, Belmont, Mass. Filed May 23, 1921. Serial No. 471,868. 23 Claims. (Cl. 121-9.)

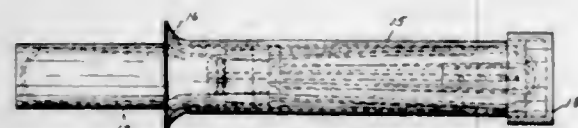
1. In a power cylinder of the character described, a cylinder, a piston, admission means for admitting motive fluid to one end of said cylinder for urging said piston to move, and means independent of the motive fluid supply for

controlling the rate of movement of said piston comprising an exhaust valve opening movement of which is caused by the pressure of the fluid in the opposite end of said cylinder opposing movement of said piston, said valve being



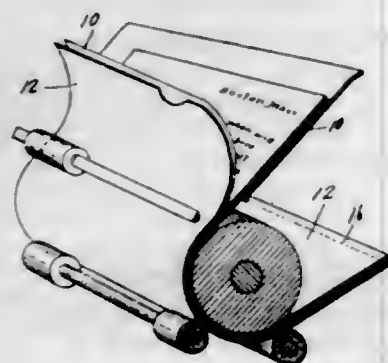
weighted against opening movement, whereby fluid is trapped in said opposite end of said cylinder until a predetermined pressure is reached, and means including said valve for connecting said opposite end of said cylinder to the atmosphere.

1,738,152. SANITARY SYRINGE. SCOTT PORTER, Akron, Ohio. Filed June 30, 1928. Serial No. 289,434. 10 Claims. (Cl. 128-231.)



1. A device for the uses and purposes set forth, comprising a syringe having a nozzle and a compressible bulb thereon, an expansible frame over the nozzle, an absorbent cap over the frame, and a sheath over the cap, said sheath retaining the frame and cap compressed but removable from the nozzle after insertion of the frame.

1,738,153. CARBON BINDER. JAMES QUARTZ, Newton, Mass., assignor to F. S. Webster Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 29, 1927. Serial No. 187,652. 5 Claims. (Cl. 282-29.)

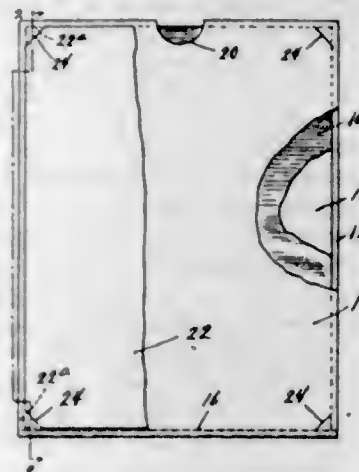


1. A carbon binder consisting of a sheet of backing paper folded to form a substantially equal back and front, one or more sheets of superposed carbon paper enclosed within said sheets and a row of stitching extending across and through the backing paper and enclosed carbon sheets substantially parallel to the fold therein to bind the carbon sheets and backing paper together the aforesaid back and front being substantially co-extensive with the carbon sheets.

1,738,154. CARBON BINDER. JAMES QUARTZ, Newton, Mass., assignor to F. S. Webster Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 14, 1928. Serial No. 261,664. 4 Claims. (Cl. 282-29.)

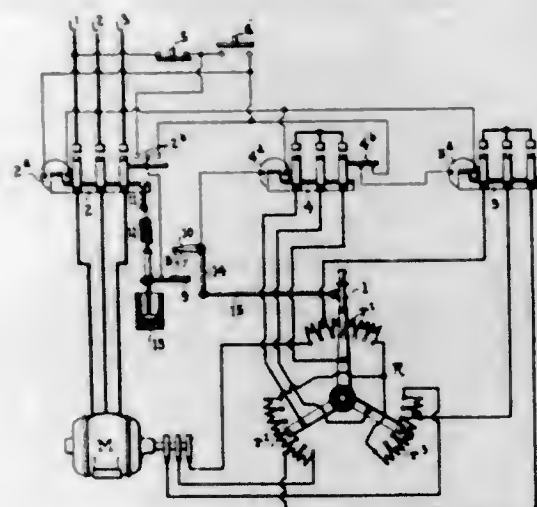
1. A carbon binder having backing and cover sheets and interposed carbon sheets, all united at one margin,

said carbon sheets adapted to receive carbon-copy sheets between them and said cover sheet adapted to receive a



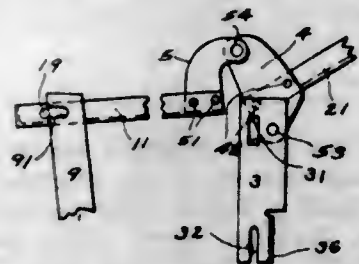
ribbon-copy sheet upon it and having an opening there-through into which a portion of the ribbon copy sheet can enter to lie beneath the cover sheet.

1,738,155. MOTOR CONTROLLER. EDWIN W. SEEGER, Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis., a Corporation of Delaware. Filed Sept. 17, 1928. Serial No. 306,373. 6 Claims. (Cl. 172-289.)



1. In a motor controller, the combination with switches for selectively establishing starting and running connections for the motor, of an associated resistance device adjustable to effect selection of the running speed of the motor, and control means for said switches including timing means associated with said device to delay establishment of running connections for an interval which is a function of the speed selected by said device.

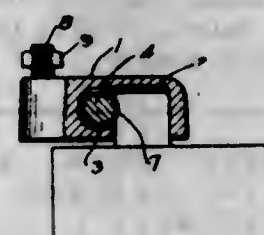
1,738,156. DAVENPORT BED. GEORGE W. SLYTER, Tacoma, Wash. Filed Sept. 9, 1925. Serial No. 55,125. 4 Claims. (Cl. 5-31.)



1. In a davenport bed, the combination with a bed frame and a seat frame pivotally supported at its forward edge

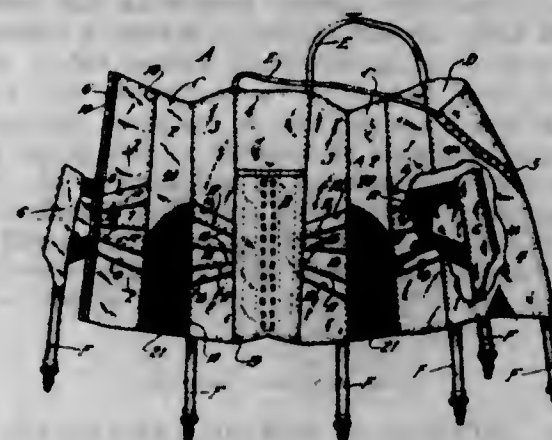
and positioned above said bed frame when folded, the forward edges of said frames being pivotally connected, the pivotal connection lying substantially midway between the planes of the frames when folded, whereby their forward edges will substantially coincide as the seat frame is swung towards unfolded position, of means for supporting the inner edge of said bed frame in upraised position when unfolded, said means comprising a longitudinally-extending pin carried by the inner edge of the bed frame, and a resilient support extending in the path of said pin and yieldable lengthwise of the bed, said support having a rearwardly directed notch for the reception of the pin, when said frame section is raised.

1,738,157. BATTERY CONNECTION. EZRA J. THURBER, Seattle, Wash. Filed Feb. 23, 1927. Serial No. 170,076. 1 Claim. (Cl. 173-259.)



In a battery connection, a socket adaptable to be placed over a battery post and a tapered elliptical rotatable member freely mounted in an opening perpendicular to the axis of the said socket and having teeth on the edges of the longitudinal axis thereof, said freely mounted member being adaptable to grip an object in the said socket as it is rotated in such a manner that the teeth may be forced into the said object.

1,738,158. CORSET. ROSANNA DU FORA ULMAN, Aurora, Ill., assignor to International Corset Company, Aurora, Ill., a Corporation of Illinois. Filed Nov. 22, 1926. Serial No. 149,843. 3 Claims. (Cl. 2-36.)



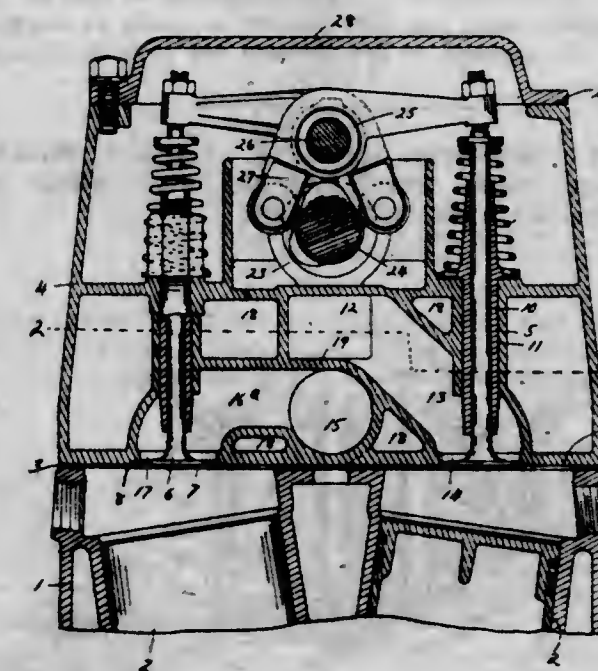
3. A corset provided with superimposed permanently attached pressure-resisting sections, the fabric of which is folded and stitched to contract one longitudinal margin of each section, two of said sections being associated with the front of the corset below the waist line so that the contracted margins will be toward the center front of the garment, and two of said sections being associated with the back of the corset below the waist line so that the contracted margins will be toward the center back of the garment.

1,738,159. INTERNAL-COMBUSTION ENGINE. CORNELIUS W. VAN RANST, Detroit, Mich. Filed Aug. 7, 1923. Serial No. 656,193. 5 Claims. (Cl. 123-52.)

1. In an internal combustion engine of the V type, the combination with opposite banks of cylinders having

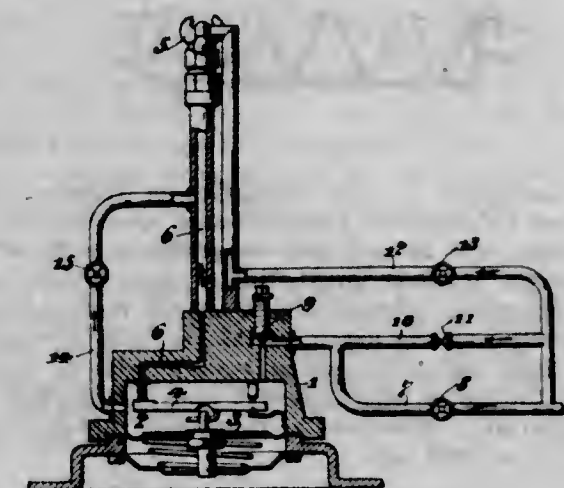
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inlet and exhaust ports, of a removable block forming the head for both banks of cylinders, inlet and exhaust manifolds extending longitudinally through said head, the former being arranged above the latter, said inlet manifold having its lower wall in heat conducting relation with said exhaust manifold throughout the major portion of its length to vaporize condensate collecting thereon, the



ends of both manifolds being closed at the same end of the cylinder block and both manifolds having their open ends at the opposite end of the cylinder block, water jackets surrounding the outer walls of said manifolds, and branch conduits from opposite sides of each of said manifolds communicating with the ports in both banks of cylinders.

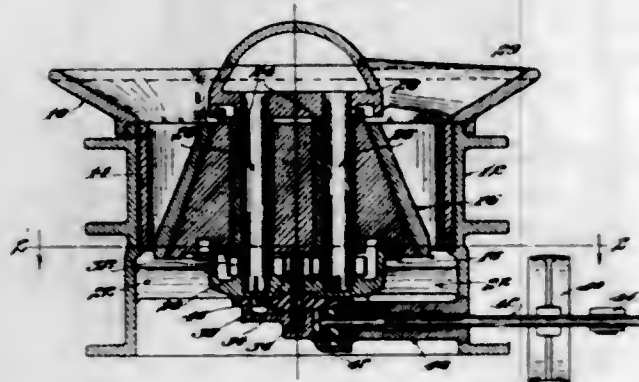
1,738,160. GAS-FLASH-LIGHT APPARATUS. ERNST GIBSON VIKSTEN, Skarsatra, Lidingon, and KARL AXEL BRANHARD HOLM, Stockholm, Sweden, assignors to American Gas Accumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 19, 1926. Serial No. 117,091, and in Sweden June 20, 1925. 5 Claims. (Cl. 67-111.)



3. In a gas flash light apparatus, the combination of a casing provided with a chamber for the reception of illuminating gas, one side of said casing being closed by a flexible porous diaphragm through which gas is adapted to escape by leakage and the said casing having an outlet through which gas is adapted to be supplied from the said chamber to a burner, a conduit for supplying gas to said chamber for the burner, said conduit having means for closing the same, a pipe for supplying gas to the said

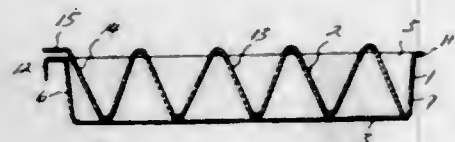
chamber when the said conduit is closed, the said pipe having adjustable means for regulating the flow of gas therethrough, and a pipe leading from said casing through which gas is adapted to flow from the said chamber, said pipe having adjustable means for regulating the flow of gas therethrough, the regulating and adjustable means of the last mentioned pipe and of the said first named pipe being adapted to be adjusted relatively to each other so as to provide for the supplying of gas to the said chamber when the said conduit is closed to compensate for the leakage of gas through the said diaphragm.

1,738,161. CRUSHING MACHINE. LLOYD P. WALKER, Belmont, Mass. Filed July 23, 1927. Serial No. 207,986. 4 Claims. (Cl. 83-10.)



1. A crushing machine having, in combination, an outer crushing member, an inner crushing member, and means for imparting an eccentric crushing motion to the inner crushing member, including a plurality of eccentric driving members having bearings within said inner crushing member.

1,738,162. GRID FOR ICE PANS. JAMES RODNEY WEEKS and HAROLD A. GREENWALD, Detroit, Mich., assignors to Whitehead and Kales Company, River Rouge, Mich., a Corporation of Michigan. Filed May 28, 1928. Serial No. 281,320. 5 Claims. (Cl. 62-111.)

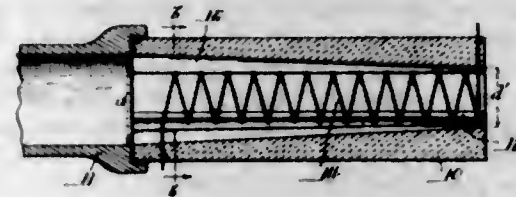


1. A receptacle for the production of frozen fluid in mechanical refrigerators comprising an open top pan, and a removable grid in said pan comprising a strip of flexible material provided longitudinally thereof with transversely extending substantially V-shaped corrugations of substantially uniform depth, certain of said corrugations having their apices extending transversely of the pan adjacent the upper edges thereof and having their side walls diverging downwardly from said apices toward the bottom of said pan.

1,738,163. BEARING. HARRY M. WILLIAMS, Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 11, 1927. Serial No. 183,007. 9 Claims. (Cl. 75-1.)

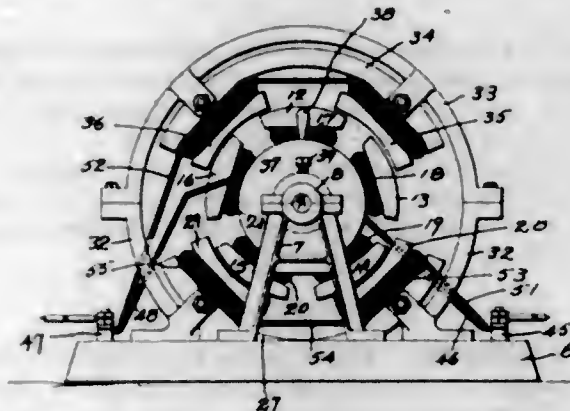
1. The process of making a porous metal body which consists in compressing a mixture of finely divided ingredients including copper and lead and a deoxidizer, and in heating for a time and at a temperature sufficient to effect the reduction of metallic oxides and to melt the lead but not the copper.

1,738,164. HEATING DEVICE. OSCAR ZINGG, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed Aug. 25, 1926. Serial No. 131,335, and in Germany Sept. 17, 1925. 1 Claim. (Cl. 219-34.)



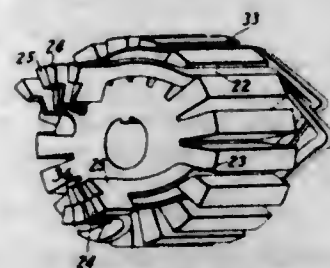
In a heating device of the character described, a casing member having a passage extending from end-to-end thereof, the cross-sectional area of such passage decreasing at a substantially uniform rate from one end of said casing member to the other end thereof, and a heating element disposed in such passage and being directly engaged and supported by the material forming the interior surface portion of said casing member.

1,738,165. ELECTRIC MOTOR. JAMES M. ALLEN, St. Louis, Mo. Filed Apr. 5, 1926. Serial No. 99,753. 3 Claims. (Cl. 172-36.)



1. An electric motor comprising a shaft, a pair of laterally spaced armature sections secured on and insulated from said shaft, an odd number of T-shaped radially extending poles integral with each section and in lateral alignment with each other, a continuous coil, all the strands of which are arranged in the shape of a figure 8 surrounding each pair of laterally aligned poles, a segmental commutator mounted on said shaft to one side of said armature, a conductor for connecting a segment with one end of a coil, a ring commutator located on said shaft on the opposite side of said armature, and electric conductors for connecting the opposite ends of said coils to said ring commutator.

1,738,166. METHOD OF MAKING ARMATURES. VINCENT G. APPLE, Dayton, Ohio. Original application filed Nov. 18, 1927. Serial No. 234,158. Divided and this application filed Oct. 26, 1928. Serial No. 315,842. 3 Claims. (Cl. 29-84.)



3. The method of making an armature which consists of providing a plurality of loops, each integrally comprising a turn of the winding having half of a commutator

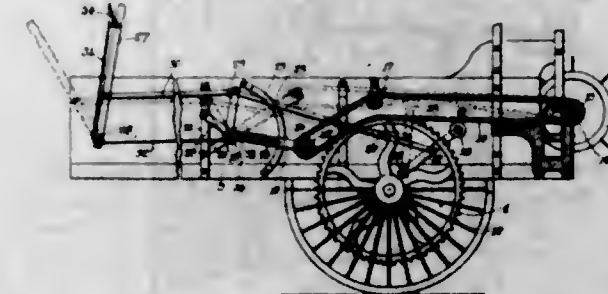
segment at each end, assembling the loops in a core, placing the structure in a mold, applying pressure to the two halves of each segment to hold them together in electrical contact, holding said segments spaced apart one from another, and molding insulating material thru and about the structure to compose segments of the said halves and a commutator of the said segments.

1,738,167. PUMP PLUNGER VALVE AND STEM. HUGH S. BERRY, Huntington Beach, Calif. Filed May 24, 1927. Serial No. 193,761. 7 Claims. (Cl. 103-225.)



1. A pumping organization comprising: a pump plunger reciprocable by a sucker rod; a valve-operating rod extending through said plunger; and means constantly preventing relative rotation between said plunger and said valve operating rod.

1,738,168. DISTRIBUTOR DRIVE. JOHN C. BOHMER, Bradley, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Mar. 22, 1924. Serial No. 701,233. 2 Claims. (Cl. 74-21.)

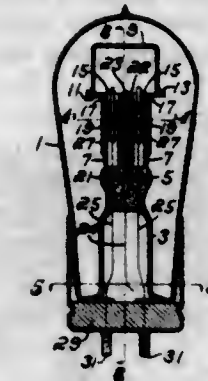


1. In a chain lifting gear for distributor drives of the type including a bell crank lever operatively associated with the chain to move it, and a remote hand lever having a link connection with the bell crank; a stationary arcuate rack, a detent carried by one arm of said bell crank and normally tending to engage said rack, a second bell crank pivoted coaxially of said hand lever, means including a link connecting the second bell crank to said detent, and a handle associated with said hand lever having a link connection with the second bell crank.

1,738,169. RECTIFIER. THORNDIKE F. CHENEY, Danvers, Mass., assignor, by mesne assignments, to Old Colony Trust Company, trustee, a Corporation of Massachusetts. Filed May 8, 1926. Serial No. 107,616. 2 Claims. (Cl. 250-27.5.)

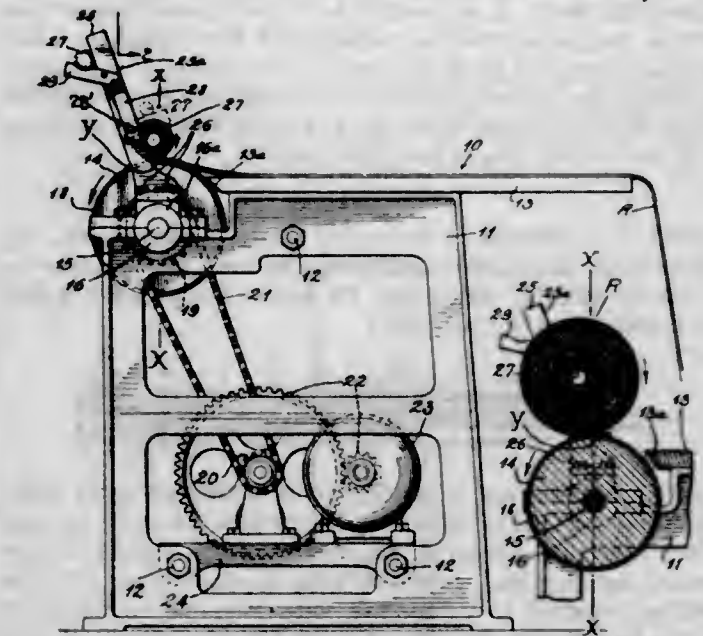
1. A gaseous discharge device comprising a gas filled container having a reentrant stem terminating in a press, said

press having tubular extensions, refractory insulators telescoped on said extensions and having apertures coinciding with said extensions, anodes mounted in said apertures and having ends projecting beyond said insulators, a



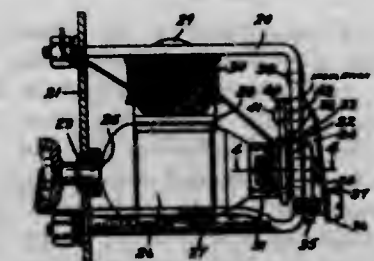
hollow cathode mounted on said insulators and leads for said anodes and cathode, the cathode lead securing all of said parts in position with respect to each other on said stem.

1,738,170. REELING MACHINE. ISIDORE COHEN, New York, N. Y. Filed Sept. 6, 1927. Serial No. 217,640. 6 Claims. (Cl. 242-65.)



1. A machine for rolling up carpets comprising a table, a power drum rotatably mounted to extend along one edge of the table-top, spaced stanchions rigidly fixed to the table, said stanchions adapted to serve as guides for a rod on which a carpet may be wound when placed on the table top and actuated by said drum, the latter having a soft frictional surface for engaging with the carpet.

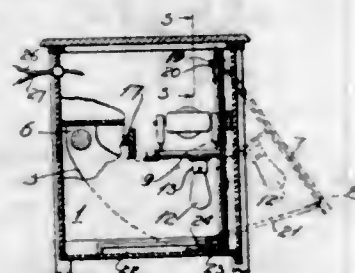
1,738,171. DYNAMO-ELECTRIC MACHINE. ROBERT M. CRITCHFIELD, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 29, 1926. Serial No. 126,673. Renewed Feb. 28, 1928. 11 Claims. (Cl. 172-36.)



6. A dynamo electric machine comprising in combination a frame providing a shaft bearing, a shaft carrying a com-

mutator supported by the frame, and a commutator brush rigging comprising a non-conducting plate attached to the frame adjacent to the commutator, a channel shaped metallic member attached to the plate and co-operating therewith to form a brush guide, a brush slidable in said guide toward the said commutator and a spring retained within the guide for urging the brush into contact with the commutator.

1,738,172. RADIO RECEIVING APPARATUS. RUSSELL V. JUDSON, Detroit, and CHARLES C. DAVIS, Fenton, Mich., and EDWIN O. KLEMM, Cicero, Ill. Filed Sept. 5, 1924. Serial No. 736,522. 2 Claims. (Cl. 250—14.)



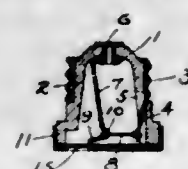
1. In combination with a radio receiving set, a cabinet for housing the apparatus, said cabinet having an opening at one side with a panel fitted in the opening standing normally in a vertical plane but mounted for swinging outwardly about a horizontal axis, said panel supporting certain units and control members of the apparatus; and means adapted to limit the swing of the panel at a position in which the control members are presented in an inclined plane which extends upwardly and away from the operator at a convenient angle for manipulation.

1,738,173. PENCIL. FRANK C. DELI, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 23, 1929. Serial No. 334,520. 11 Claims. (Cl. 120—18.)



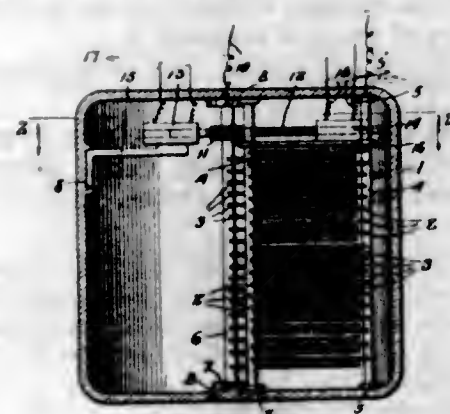
1. In combination, a pencil barrel having an axial opening, some portion of which is non-circular in cross-section, a tip rotatably mounted on the barrel, a threaded tube carried by the tip, a second tube having a non-circular portion adapted to co-operate with the noncircular part of the barrel and to slide relative thereto, means on the interior of the said last named tube for engaging the threads on the exterior of the threaded tube, and a plunger carried by said second tube and adapted to project into the threaded tube.

1,738,174. FUSE PLUG. HERMAN F. DELMANHORST, Louisville, Ky., assignor, by mesne assignments, to Niles Machine Company, Lebanon, N. H. Filed July 16, 1925. Serial No. 43,913. 2 Claims. (Cl. 200—121.)



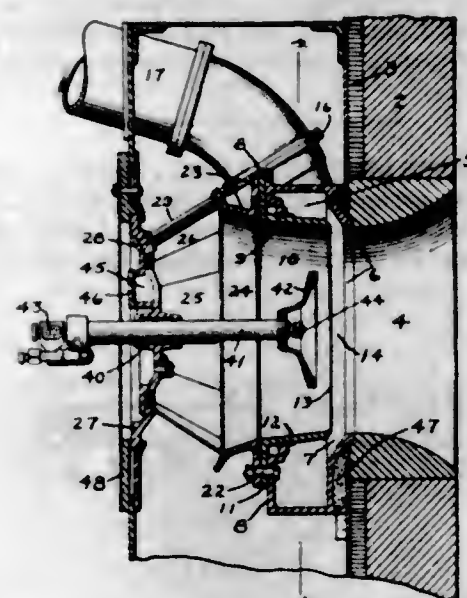
1. A fuse plug comprising a cup-shaped body of insulating material, a removable cover closing the mouth of the cup-shaped body and provided with a sight opening, first and second electric conducting elements extending into said body, the first conducting element being adapted to spring away from the second one of said elements, and a removable fusible link loosely connected to said elements, and adapted to hold the first element under tension, one of said electric elements having an indicator normally held out of alignment with the sight opening by said fusible link, the indicator being adapted when the link is severed, to move into alignment with the sight opening.

1,738,175. ADJUSTABLE VACUUM CONDENSER. WILLIAM DUBILLIER, New York, N. Y., assignor to Dubillier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 3, 1924. Serial No. 735,565. 3 Claims. (Cl. 175—41.5.)



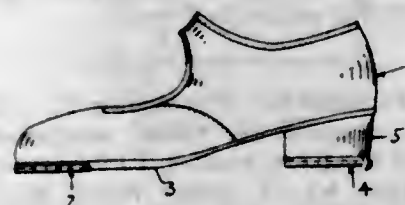
1. The combination of an evacuated vessel, elements of conductive material therein, part of said elements being movable, a shaft on which said movable elements are mounted, means comprising a rack and pinion for rotating the shaft to adjust the condenser, and a pair of solenoids for reciprocating the rack, the shaft, the rack and pinion, and the solenoids, all being enclosed by said vessel, the terminals of said coil being joined to conductors which are sealed in the vessel and extend through said vessel to the exterior thereof.

1,738,176. FUEL BURNER. HORACE T. DYER, Greenwich, Conn., assignor to Peabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1926. Serial No. 105,170. 21 Claims. (Cl. 110—22.)



1. A burner comprising a fuel chamber provided with a tangential inlet and an annular outlet, the chamber being in the form of an involute scroll.

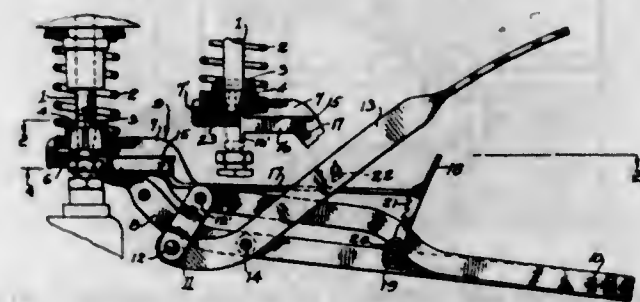
1,738,177. RESONATING DANCING PLATE. JOHN ESMONDE, New York, N. Y. Filed June 18, 1928. Serial No. 286,277. 1 Claim. (Cl. 46—46.)



In a resonator for dancing shoes a metallic plate approximately covering one half of the heel of said shoe pro-

vided with a cavity therein adapted to resonate sound vibrations, a flange extending above the body of said plate a distance around the outer edge and a series of nail holes therein.

1,738,178. AUTOMOBILE VALVE TOOL. LEWIS ELMER FIN, Boswell, Ind., assignor to The Milwal Manufacturing Co., Paxton, Ill. Filed May 5, 1928. Serial No. 275,496. 13 Claims. (Cl. 29—86.3.)



1. A valve tool comprising jaws pivotally connected to each other, means pivotally connected to each of said jaws for moving them toward and from each other, a tray carried by said jaws adapted to slide forward upon the separating of the jaws.

1,738,179. DIFFERENTIAL. ERNEST C. FOSTER, Inkster, Mich. Filed Apr. 16, 1927. Serial No. 184,199. 2 Claims. (Cl. 74—7.)

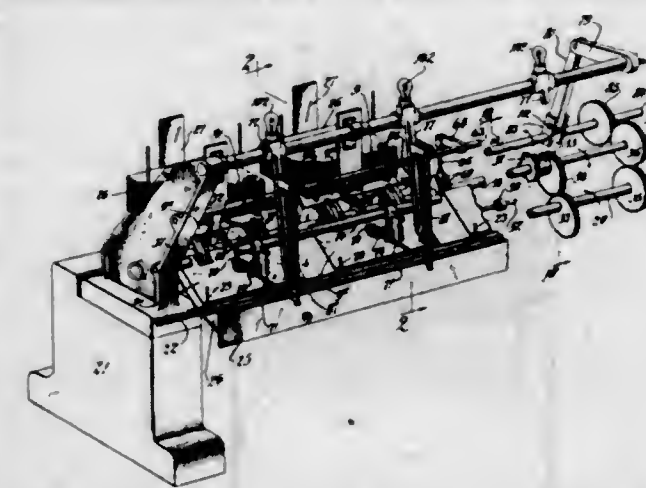


1. A differential of the class described comprising a drive shaft; counter shafts; a disc mounted on each of said counter shafts, said disc having a plurality of peripheral notches formed therein, deeper at one end than at the other; an embracing member for embracing said discs in close relation to the periphery thereof; a gear ring attached to said embracing member; rollers positioned in said notches; resilient means for forcing said rollers toward the shallow end of said notches and into engagement with the inner surface of said embracing member, the rotation of said embracing member in one direction effecting a clamping of said rollers against said discs and rotating said discs in unison with said embracing member; and means mounted on said ring gear for engaging said discs upon rotation of said ring gear in the opposite direction for rotating said counter shaft in the opposite direction.

1,738,180. SIGNATURE-GATHERING MACHINE. PHILIP A. FRAZIER, Chicago, Ill., assignor to R. R. Donnelley & Sons Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 1, 1928. Serial No. 296,798. 14 Claims. (Cl. 270—56.)

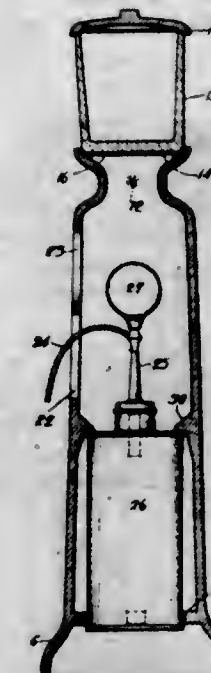
1. In a signature-gathering machine, the combination of driving means for the machine, conveyor-means, mecha-

nisms for delivering signatures to said conveyor-means from separate piles of signatures and comprising feed-rolls, and means controlled by certain of said feed rolls, respectively,



for effecting discontinuation of the operation of said first-named means upon delivery of an imperfect signature by any one of said signature-delivering mechanisms.

1,738,181. FILLING DEVICE FOR CIGAR AND CIGARETTE LIGHTERS. JACK GASTMAN, New York, N. Y. Filed Apr. 4, 1928. Serial No. 267,445. 1 Claim. (Cl. 221—88.)

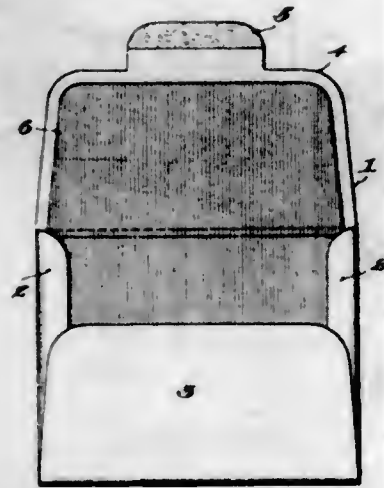


A container comprising a housing having a finger opening and a slot therein, a dispensing receptacle in said housing having a spout extending through said slot, centering lugs cast on the interior wall of said housing, means adjacent said lugs for holding the receptacle in position, and limiting lugs within the housing for engaging the upper end of the receptacle.

1,738,182. GREETING-CARD MAILING AND DISPLAY ENVELOPE. JOSEPH ERNEST GOODBAR, Boston, Mass. Filed May 14, 1927. Serial No. 181,479. 1 Claim. (Cl. 229—68.)

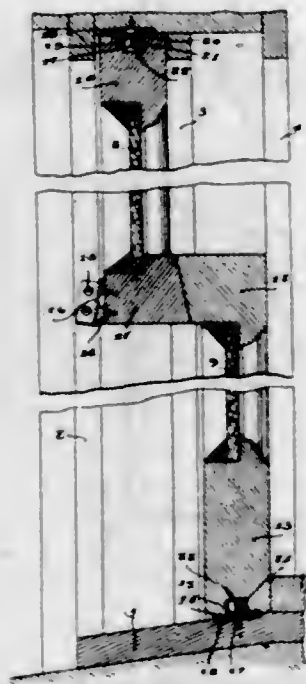
An envelope formed of a single sheet of fabric cut and folded and affording comparatively narrow side flaps turned inwardly, a lower flap turned upwardly over said side

flaps, and an upper closing-flap foldable downwardly over the lower flap, said closing-flap having an integral centrally-positioned tab comparatively narrow transversely extending from its free edge and having adhesive on the inner side of its free margin only, and said other flaps being



devoid of means for attachment to overlapped surfaces when folded, whereby all of said flaps, when the envelope is sealed at the tab, may be released by breaking the seal at the tab only, all of the flaps opened, and the entire contents of the envelope revealed without withdrawal thereof.

1,738,183. WINDOW WEATHERPROOFING DEVICE AND SCREEN HANGER. JOSEPH T. HICKMAN, Cottage City, Md. Filed Mar. 5, 1929. Serial No. 344,520. 9 Claims. (Cl. 20—52.6.)

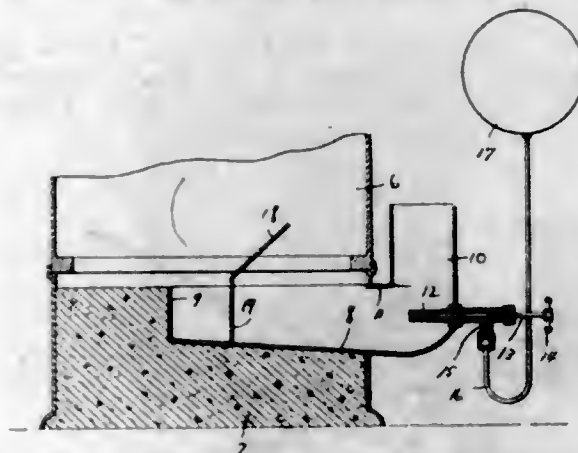


1. A device of the character described comprising respectively rigid and resilient matching wedge members, respectively securable to the frame and sash of a window for engagement to shift the sash laterally upon closure and aid disengagement by virtue of said resiliency when opening the sash.

1,738,184. FUEL-BURNER ATTACHMENT FOR STOVES AND THE LIKE. HOMER J. HOLDER, Hamlin, Tex. Filed Mar. 10, 1928. Serial No. 260,616. 2 Claims. (Cl. 158—91.)

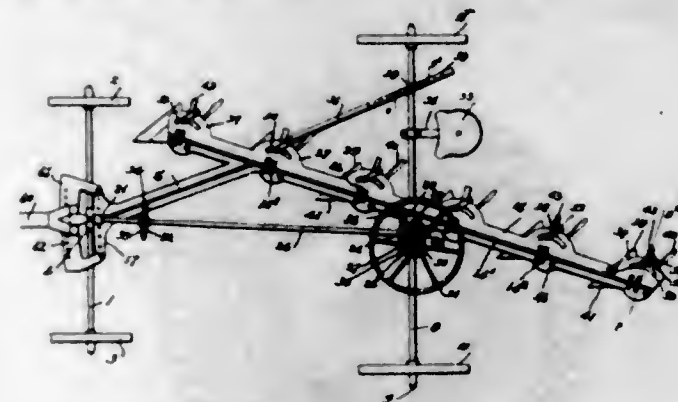
1. A burner of the class described, comprising in combination a trough like base portion adapted to extend in-

wardly of a stove beneath the fire box thereof, said base portion having an upwardly extending stack formed at its outer end, fuel jetting means extending within the base portion of the burner, and a flame deflecting plate



arranged within the burner in deflecting association with said jetting means and adapted for longitudinal adjustment in the base, said plate being disposed at right angles to the path of the fuel and having a portion formed thereon extending obliquely toward the jetting means.

1,738,185. AGRICULTURAL IMPLEMENT. PETER ISAAC, Winnipeg, Manitoba, Canada. Filed Feb. 11, 1928. Serial No. 253,688, and in Canada Feb. 14, 1927. 3 Claims. (Cl. 97—93.)

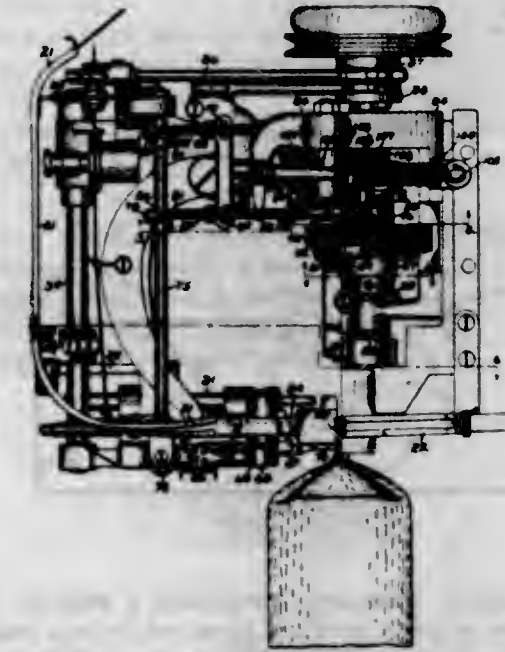


1. An agricultural implement comprising front and rear axes and ground wheels carrying the same, forward and rear upwardly extending standards carried by the axes, the rear standard being permanently fastened to the rear axle and the forward standard having the lower end thereof rotatably attached to the front axle, an angularly disposed plough beam slidably mounted on the rear standard and provided with an extension arm slidably mounted on the forward standard, means for selectively raising or lowering the plough beam in respect to the standards and for retaining said plough beam in any selected position, a bar extending between the front standard and one end of the rear axle and adjustably connected to the latter, a hitching plate connected to the forward end of the extension arm and provided with a series of hitching holes permitting of a variation in the point of application of the draft, vertically disposed, equispaced plough shanks having their upper ends connected to the plough beam to permit of the rotation of the shanks into any desired rotated position and ploughs secured to the lower ends of the shanks.

1,738,186. CUTTING ATTACHMENT FOR SEWING MACHINES. ALBERT KRASA, Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a Corporation of New York. Filed Apr. 11, 1927. Serial No. 182,664. 14 Claims. (Cl. 112—252.)

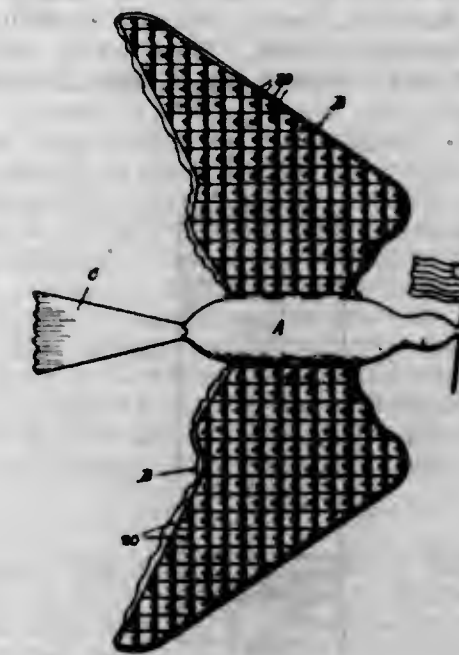
1. In combination, a sewing device adapted to sew a continuous seam across successive articles, a cutter

through which the seam passes as it moves away from said device, and means to actuate the cutter and make one cut across the seam a predetermined distance in advance



of the front edge of an article and to make one cut across the seam a predetermined distance behind the rear edge of an article.

1,738,187. AIRSHIP. GEORGE KRASCH, St. Louis, Mo. Filed Apr. 11, 1929. Serial No. 354,419. 3 Claims. (Cl. 244—9.)

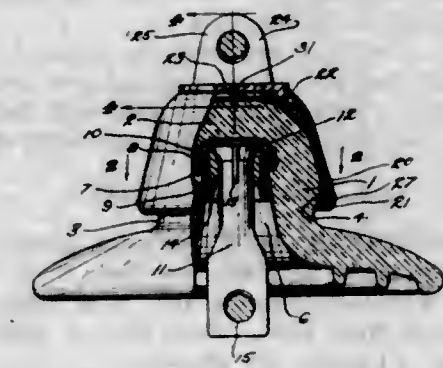


1. In an airship of the class described comprising a body of hollow construction adapted to be filled with lighter than air gas, a pair of wings, one on each side thereof hingedly mounted thereto, each wing being formed with feathering blades, cross bars for supporting said blades, said cross bars being of elongated hollow tubular construction, said blades being formed with sleeves circumjacent said cross bars, and springs in the cross bars adapted for engagement with the sleeves of the respective blades for normally holding the blades in a raised closed position.

1,738,188. INSULATING SUPPORT. SAMUEL HERBERT LANYON, Oakland, Calif., assignor to Lapp Insulator Co., Le Roy, N. Y. Filed June 21, 1927. Serial No. 200,439. 5 Claims. (Cl. 173—318.)

1. The combination with an insulator having a knob, there being annular grooves in the knob separated by an

intermediate annular rib, of a key seated in one of the grooves, a cap embracing the knob and key, said cap having an intumed end portion, the key being expansible



into position within the cap where it will lap the intumed end portion, said cap being shiftable relative to the knob to carry the key over the rib and into the other groove.

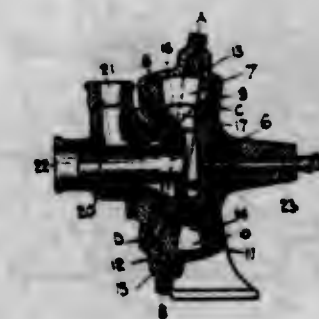
1,738,189. PROCESS AND AGENT FOR CARROTING FURS. HAROLD T. LEAVENWORTH, Bridgeport, Conn. Filed Apr. 4, 1928. Serial No. 267,477. 12 Claims. (Cl. 8—21.)

1. The process of treating fur which comprises treating the fur with a carrotting solution comprising an aqueous solution of a chloric acid.

1,738,190. PROCESS FOR IMPROVING COTTON. LEON LILIENTHAL, Vienna, Austria. Filed Feb. 3, 1927. Serial No. 165,740, and in Austria May 23, 1923. 7 Claims. (Cl. 8—20.)

1. The process of imparting wool-like effects to cotton by treatment with caustic alkali and carbon bisulphide, which comprises treating cotton in a substantially unstretched or free from tension condition, without previous conversion into caustic alkali cellulose, simultaneously with caustic alkali solution and carbon bisulphide.

1,738,191. ROTARY ENGINE, PUMP, BLOWER, OR METER. ANDREW THOMSON MACLEAY, Edinburgh, Scotland. Filed Mar. 1, 1928. Serial No. 258,199, and in Great Britain Apr. 23, 1927. 4 Claims. (Cl. 103—133.)

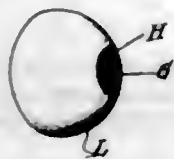


1. In a rotary device of the character described, a casing provided with inlet and outlet ports, one of the said ports being formed on the axis of the casing, a rotor journaled in the casing on the axis thereof and comprising a core, slide flanges which form a conical annular chamber around the core, and a blade extending between the slide flanges, the said core and blade being provided with spherical surfaces; and a rotary oblique disk guided by the said casing and slidable on the spherical surfaces

of the said core and blade and having a slot which fits over the said blade, the said disk being arranged in contact with the opposite sides of the said chamber at two diametrically opposite points, and the said rotor having also ports arranged one on each side of the said blade and communicating directly with the two ports in the casing at predetermined intervals.

4. A rotary device as set forth in claim 1, the said rotor having its two ports formed in its core, and the two ports of the said casing being provided with passages arranged one in line with and the other crosswise of the axis of the casing.

1,738,192. ARTIFICIAL EYE. SAMUEL MARCUS, Riverdale, and ALEXANDER KONOFF, New York, N. Y., assignors to Markon Manufacturing Co. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 1, 1927. Serial No. 236,994. 1 Claim. (Cl. 46—40.)

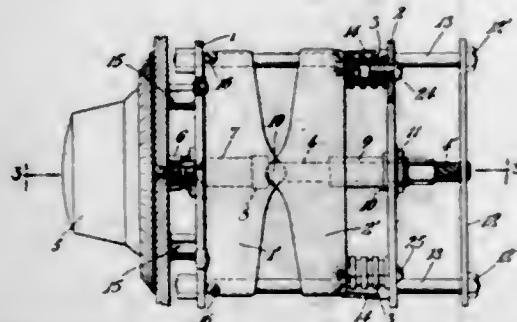


An artificial eye comprising a lens member having an opening centrally thereof extending entirely through the lens, a separately formed semispherical shell of transparent material within which the lens member is arranged with one surface of the lens disposed adjacent the inner surface of the shell so that the shell constitutes a closure for one end of said opening, means within said opening representing the pupil of the eye, means carried by the lens and visible therethrough representing the iris of the eye, means visible through the shell surrounding the iris representing the white of the eye, and means to hold the lens and shell assembled.

1,738,193. METHOD OF MAKING ALKYL HALIDES. RALPH H. MCKEE, Jersey City, N. J., and STEPHEN P. BREKE, New York, N. Y. Filed Aug. 8, 1927. Serial No. 211,625. 20 Claims. (Cl. 260—166.)

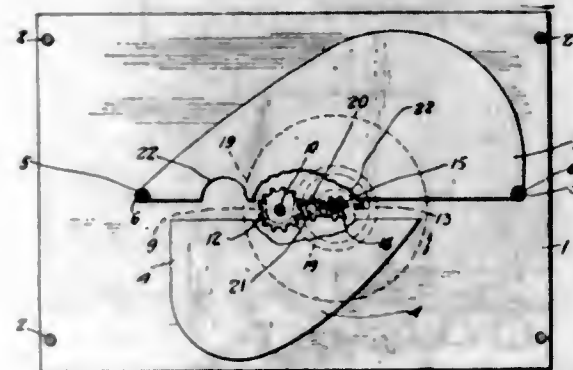
1. The process of making an organic halide which comprises reacting the corresponding alcohol with a hydrogen halide in the gas phase in the presence of a catalyst favorable to said reaction, said catalyst comprising a substantially non-hydrolyzable solid salt of a bivalent metal.

1,738,194. CONDENSER. ROBERT B. MORRIS, Newark, and HILMER PETERSON, South Orange, N. J. Filed Mar. 21, 1927. Serial No. 176,888. 8 Claims. (Cl. 175—41.5.)



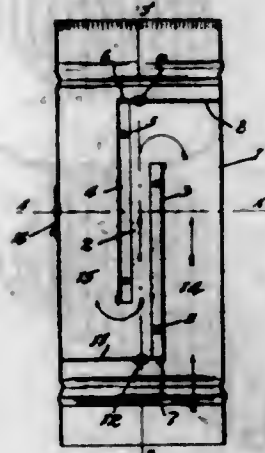
1. The combination in a variable condenser of a stationary base having a series of condenser plates attached thereto, a stabilizer plate, a shaft spirally fluted in part fixed to said base and mounted for revolution in a bearing in the stabilizer plate, a movable base, insulators mounted thereon and condenser plates mounted on said insulators, the fluted part of the shaft extending through an internally fluted split nut attached to the movable base and adapted to actuate the movable base in a straight line to bring its plates to a greater or less degree alternately between the plates of the stationary base, substantially as and for the purpose described.

1,738,195. ELECTRICAL CONDENSER. JACQUES ORNSTEIN, Hamilton Beach, N. Y., assignor to Dubiller Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 15, 1925. Serial No. 23,336. 9 Claims. (Cl. 175—41.5.)



1. A variable condenser comprising a support, an element of one polarity movably mounted in said support, a second element of opposite polarity also movably mounted in said support and cooperating with the first-named element, an operating member and driving means between said member and said elements so that when the member is actuated all of the elements are moved in unison, the driving means having different relative ratios whereby one element moves faster than the other.

1,738,196. DAMPER CONSTRUCTION. JAMES C. ORR, Winnipeg, Manitoba, Canada, assignor to William John Christie, Winnipeg, Canada. Filed Jan. 5, 1928. Serial No. 244,740, and in Canada Jan. 3, 1928. 1 Claim. (Cl. 126—206.)

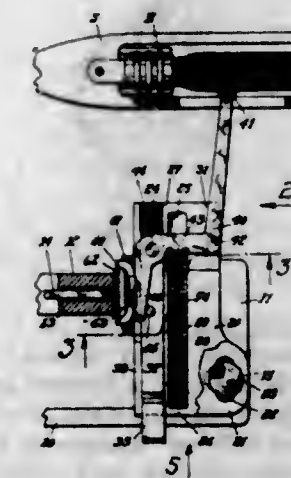


The combination with a pipe section, of a pair of centrally located spaced independent divisional plates crossing the section and extending lengthwise therein and having their edges flanged and permanently bolted to the section and their ends in staggered relation, said plates providing a central passage and two side passages within the section, a normally horizontally disposed upper damper extending between the upper end of one of the plates and the wall of the pipe section and overlying and spaced from the adjacent end of the other of the plates, a normally horizontally disposed lower damper extending between the lower end of the other of the plates and the wall of the pipe section and underlying and spaced from the lower end of the other of the plates, and inturned stop flanges formed at the extending ends of the divisional plates and engageable with the dampers and stopping the dampers in their horizontal positions.

1,738,197. DUST DISINFECTANT. GÖSTA OSVALD, Stockholm, Sweden, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Filed June 29, 1926. Serial No. 119,432, and in Sweden July 29, 1925. 4 Claims. (Cl. 167—19.)

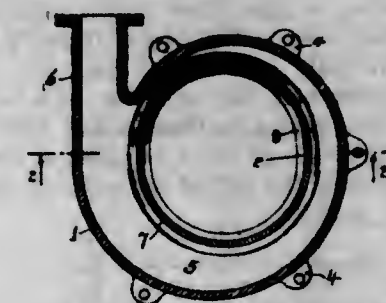
3. Dust disinfectant for seed and the like, consisting of a mixture of polymeric formaldehyde, a substance having the property of absorbing gaseous formaldehyde and of combining therewith a mercury compound, and a pulverulent diluting substance.

1,738,198. SIDESLIPPING WEFT DETECTOR. OSCAR V. PAYNE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 21, 1927. Serial No. 200,481. 17 Claims. (Cl. 139—286.)



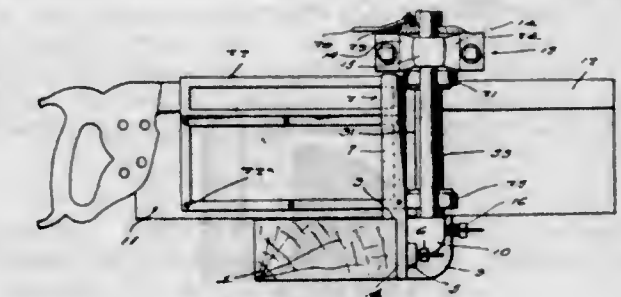
1. In a side slipping weft detector for looms, a stationary support, a sliding carrier movable toward and from the front of the loom in said support, a detector pivoted to the sliding carrier and supported thereby, said detector having a yarn engaging portion offset from the said carrier to move along and in contact with a substantially exhausted supply of weft to give indication of weft exhaustion, and a single resilient element interposed between a portion of the fixed stand and the detector, said resilient element directly engaging the detector along a line which passes to one side of the pivotal connection between the detector and the sliding carrier, both the detector and carrier being moved rearwardly due solely to the action of the resilient element.

1,738,199. FUEL BURNER. ERNEST H. PRABODY, Pelham Manor, N. Y., assignor to Prabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 15,557. 3 Claims. (Cl. 158—90.)



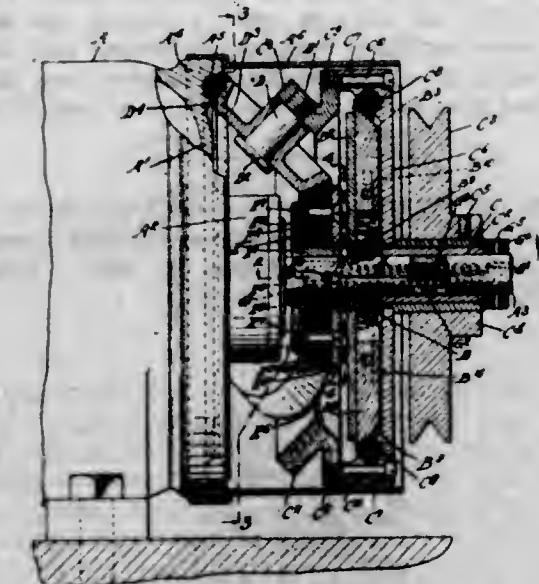
1. A fuel burner comprising a chamber in the form of an involute scroll and provided with an annular delivery slot and means for adjusting the width of the slot.

1,738,200. MITER BOX. SAMUEL D. PEALER, Chagrin Falls, Ohio. Filed Oct. 13, 1926. Serial No. 141,380. 1 Claim. (Cl. 143—88.)



In a miter box structure of the class described, a base, a work backing plate rising vertically from the base, said plate having an opening for swinging adjustment of a saw, a rotatably mounted slotted standard disposed in alignment with the opening in said backing plate, stationary guide posts mounted on opposite sides of the standard and at the ends of said opening, a graduated collar surrounding and slidable upon said standard, spider arms connected at their inner ends to said collar and extending outwardly therefrom and provided with guide eyes, said guide eyes being slidably mounted upon said posts, and a saw carrying frame rotatably mounted upon said collar and slidably mounted upon said standard and including an indicator cooperable with the graduations on said collar.

1,738,201. STARTING CLUTCH FOR MOTORS. LAURENCE M. PERSONS, St. Louis, Mo., assignor to Emerson Electric Manufacturing Co., Chicago, Ill., a Corporation of Missouri. Filed Mar. 30, 1929. Serial No. 351,319. 12 Claims. (Cl. 74—34.)

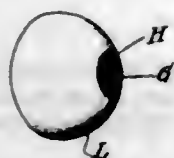


1. For use with an electric motor, a frictional starting clutch including a frictional driving gear adapted to be driven by a motor shaft, a driven member free to rotate in relation to said motor shaft, planetary friction gears associated with said driven member and adapted for engagement with said frictional driving gear, a fixed frictional member associated with the motor and adapted to be engaged by the planetary gears, means responsive to the initial rotation of the motor shaft for moving the frictional driving gear and planetary members into operative driving position and means effective after the initiation of rotation for withdrawing the planetary members from contact with the fixed frictional member.

of the said core and blade and having a slot which fits over the said blade, the said disk being arranged in contact with the opposite sides of the said chamber at two diametrically opposite points, and the said rotor having also ports arranged one on each side of the said blade and communicating directly with the two ports in the casing at predetermined intervals.

4. A rotary device as set forth in claim 1, the said rotor having its two ports formed in its core, and the two ports of the said casing being provided with passages arranged one in line with and the other crosswise of the axis of the casing.

1,738,192. ARTIFICIAL EYE. SAMUEL MARCUS, Riverdale, and ALEXANDER KONOFF, New York, N. Y., assignors to Markon Manufacturing Co. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 1, 1927. Serial No. 236,994. 1 Claim. (Cl. 46—40.)

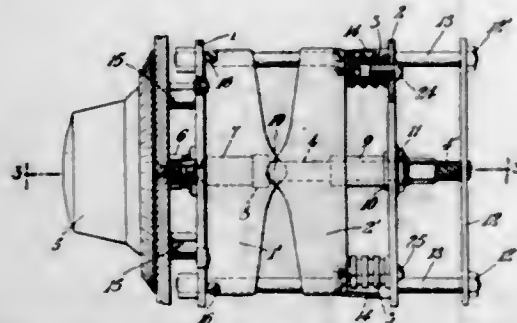


An artificial eye comprising a lens member having an opening centrally thereof extending entirely through the lens, a separately formed semispherical shell of transparent material within which the lens member is arranged with one surface of the lens disposed adjacent the inner surface of the shell so that the shell constitutes a closure for one end of said opening, means within said opening representing the pupil of the eye, means carried by the lens and visible therethrough representing the iris of the eye, means visible through the shell surrounding the iris representing the white of the eye, and means to hold the lens and shell assembled.

1,738,193. METHOD OF MAKING ALKYL HALIDES. RALPH H. MCKEE, Jersey City, N. J., and STEPHEN P. BURKE, New York, N. Y. Filed Aug. 8, 1927. Serial No. 211,625. 20 Claims. (Cl. 260—166.)

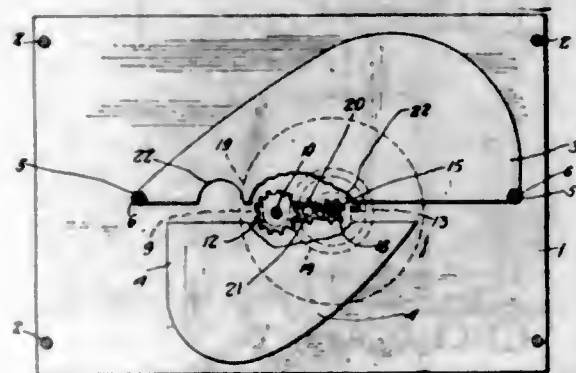
1. The process of making an organic halide which comprises reacting the corresponding alcohol with a hydrogen halide in the gas phase in the presence of a catalyst favorable to said reaction, said catalyst comprising a substantially non-hydrolyzable solid salt of a bivalent metal.

1,738,194. CONDENSER. ROBERT B. MORRIS, Newark, and HILMER PETERSON, South Orange, N. J. Filed Mar. 21, 1927. Serial No. 176,888. 8 Claims. (Cl. 175—41.5.)



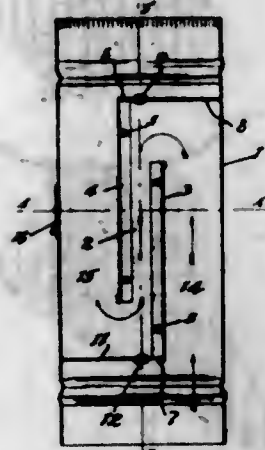
1. The combination in a variable condenser of a stationary base having a series of condenser plates attached thereto, a stabilizer plate, a shaft spirally fluted in part fixed to said base and mounted for revolution in a bearing in the stabilizer plate, a movable base, insulators mounted thereon and condenser plates mounted on said insulators, the fluted part of the shaft extending through an internally fluted split nut attached to the movable base and adapted to actuate the movable base in a straight line to bring its plates to a greater or less degree alternately between the plates of the stationary base, substantially as and for the purpose described.

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1. A variable condenser comprising a support, an element of one polarity movably mounted in said support, a second element of opposite polarity also movably mounted in said support and cooperating with the first-named element, an operating member and driving means between said member and said elements so that when the member is actuated all of the elements are moved in unison, the driving means having different relative ratios whereby one element moves faster than the other.

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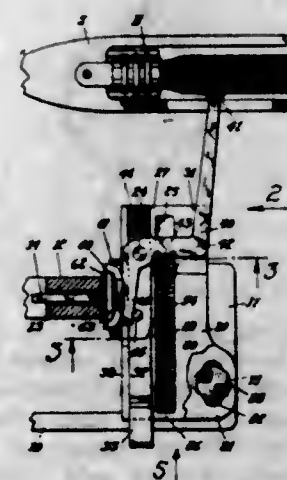


The combination with a pipe section, of a pair of centrally located spaced independent divisional plates crossing the section and extending lengthwise thereon and having their edges flanged and permanently bolted to the section and their ends in staggered relation, said plates providing a central passage and two side passages within the section, a normally horizontally disposed upper damper extending between the upper end of one of the plates and the wall of the pipe section and overlying and spaced from the adjacent end of the other of the plates, a normally horizontally disposed lower damper extending between the lower end of the other of the plates and the wall of the pipe section and underlying and spaced from the lower end of the other of the plates, and turned stop flanges formed at the extending ends of the divisional plates and engageable with the dampers and stopping the dampers in their horizontal positions.

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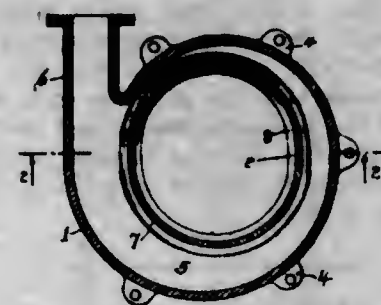
3. Dust disinfectant for seed and the like, consisting of a mixture of polymeric formaldehyde, a substance having the property of absorbing gaseous formaldehyde and of combining therewith a mercury compound, and a pulverulent diluting substance.

1,738,198. SIDESLIPPING WEFT DETECTOR. OSCAR V. PAYNE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 21, 1927. Serial No. 200,481. 17 Claims. (Cl. 139—286.)



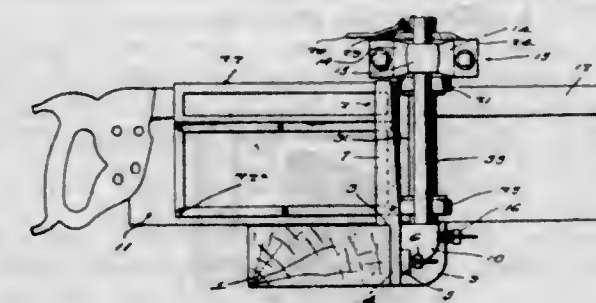
1. In a side slipping weft detector for looms, a stationary support, a sliding carrier movable toward and from the front of the loom in said support, a detector pivotally mounted on the sliding carrier and supported thereby, said detector having a yarn engaging portion offset from the said carrier to move along and in contact with a substantially exhausted supply of weft to give indication of weft exhaustion, and a single resilient element interposed between a portion of the fixed stand and the detector, said resilient element directly engaging the detector along a line which passes to one side of the pivotal connection between the detector and the sliding carrier, both the detector and carrier being moved rearwardly due solely to the action of the resilient element.

1,738,199. FUEL BURNER. ERNEST H. PRABODY, Pelham Manor, N. Y., assignor to Prabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 15,557. 3 Claims. (Cl. 158—99.)



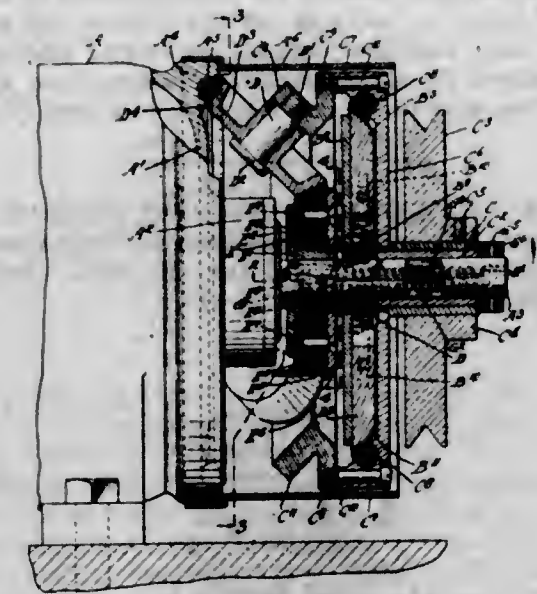
1. A fuel burner comprising a chamber in the form of an involute scroll and provided with an annular delivery slot and means for adjusting the width of the slot.

1,738,200. MITER BOX. SAMUEL D. PEALER, Chagrin Falls, Ohio. Filed Oct. 13, 1926. Serial No. 141,380. 1 Claim. (Cl. 143—88.)



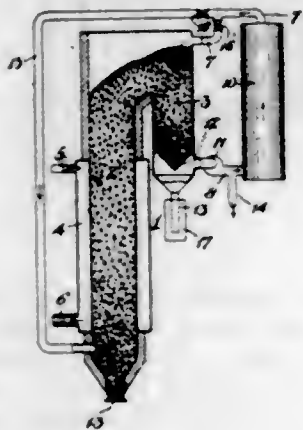
In a miter box structure of the class described, a base, a work backing plate rising vertically from the base, said plate having an opening for swinging adjustment of a saw, a rotatably mounted slotted standard disposed in alignment with the opening in said backing plate, stationary guide posts mounted on opposite sides of the standard and at the ends of said opening, a graduated collar surrounding and slidable upon said standard, spider arms connected at their inner ends to said collar and extending outwardly therefrom and provided with guide eyes, said guide eyes being slidably mounted upon said posts, and a saw carrying frame rotatably mounted upon said collar and slidably mounted upon said standard and including an indicator cooperable with the graduations on said collar.

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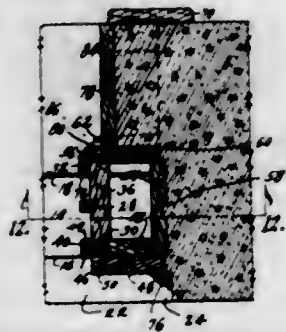
1. For use with an electric motor, a frictional starting clutch including a frictional driving gear adapted to be driven by a motor shaft, a driven member free to rotate in relation to said motor shaft, planetary friction gears associated with said driven member and adapted for engagement with said frictional driving gear, a fixed frictional member associated with the motor and adapted to be engaged by the planetary gears, means responsive to the initial rotation of the motor shaft for moving the frictional driving gear and planetary members into operative driving position and means effective after the initiation of rotation for withdrawing the planetary members from contact with the fixed frictional member.

1,738,202. PROCESS OF AND APPARATUS FOR CARBONIZING MATERIAL CONTAINING OIL, FAT, TAIL, OR THE LIKE. PIERRE PLANTINGA, Cleveland, Ohio; The Cleveland Trust Company executor of said Pierre Planting, deceased. Filed Apr. 26, 1924. Serial No. 709,077. 5 Claims. (Cl. 202—16.)



1. In a process of carbonizing solid carbonizable material in a container comprising a carbonizing chamber and a communicating auxiliary chamber so related to the carbonizing chamber that liquids formed in the auxiliary chamber will not run by gravity into the carbonizing chamber, and in which the solid carbonizable material is fed into the auxiliary chamber and in a continuous body therethrough and then into and through the carbonizing chamber, the improvement which comprises, passing a hot gas substantially chemically inert with respect to said carbonizable material through the body of the latter in a direction opposite to the feed thereof, reheating said gas externally of the container alternately to the successive passages of the gas through the container, said gas being circulated in an endless conduit, liquefying in the auxiliary chamber the products distilled from the carbonizable material, causing the liquids formed in the auxiliary chamber to move by gravity toward the material inlet of said auxiliary chamber, collecting and drawing off the liquid from the auxiliary chamber, and applying carbonizing heat to the exterior of one of said chambers.

1,738,203. WINDOW-FRAME CONSTRUCTION. HAROLD PURVIS, Clinton, Iowa, assignor to Curtis Companies, Inc., Clinton, Iowa. Filed Dec. 20, 1926. Serial No. 155,878. 7 Claims. (Cl. 20—11.)



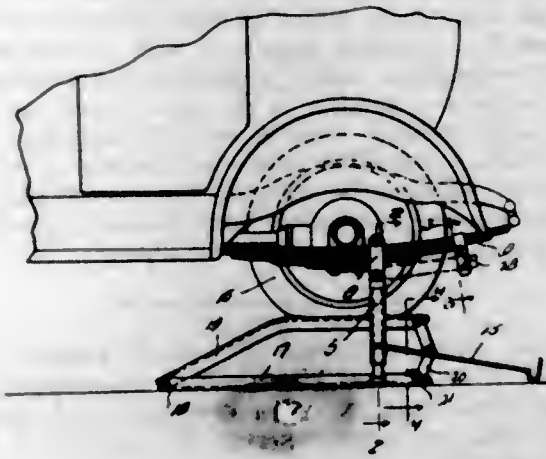
1. A window-frame construction comprising a sill, side jambs and a head jamb, sash weight boxes for said frame, each comprising a bottom, top and sides, the side jamb being one side of the box and having a vertical groove, one of the remaining sides of the box having a rabbeted edge for engaging in said vertical groove of the side jamb, the rabbet being wider than the depth of said vertical groove whereby a groove is provided between the side jamb and the rabbeted side of the box.

1,738,204. FISHING REEL. GEORGE J. QUALMAN, Toledo, Ohio. Filed July 16, 1927. Serial No. 206,173. 9 Claims. (Cl. 43—20.)



1. A line pole having intermediate its length an offset bracket providing a bearing, a reel carried by said bearing in the plane of the pole, a crank, a friction shoe connection between the crank and reel, and shoe gripping adjusting means for determining different degrees of frictional holding action of the crank through said connection.

1,738,205. VEHICLE JACK. JOHN REIDENBAUGH, Marion, Ohio. Filed Oct. 26, 1927. Serial No. 228,862. 2 Claims. (Cl. 254—88.)

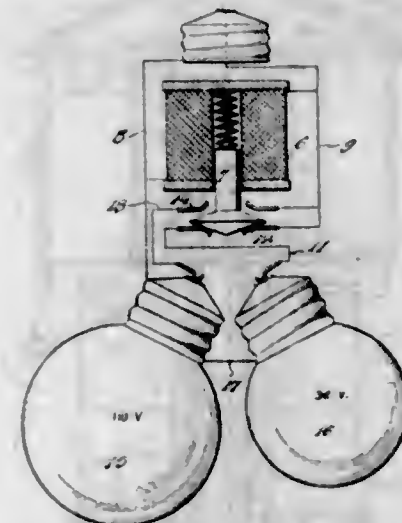


1. A collapsible vehicle ramp comprising a pair of channel plates including a base plate and a wheel supporting plate having their channeled faces disposed in opposed relation, and pivotally attached at one end, a sectional link pivotally connecting the opposite ends of the plates at each side of the channels thereof and common pivotal means connecting the associated sections of the links and adapted for securing the wheel supporting plate in vertically adjusted position.

1,738,206. AUTOMATIC CONTROL FOR ELECTRIC LIGHT CIRCUITS. LEO M. RIDDLES, Johnstown, Pa. Filed May 27, 1927. Serial No. 194,819. 3 Claims. (Cl. 176—10.)

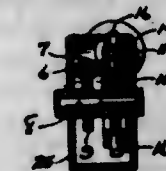
1. In an emergency lighting system including a distributing circuit, a main supply circuit and an auxiliary sup-

ply circuit and a throw-over switch for automatically cutting out the main circuit when failing to properly function and cutting in the auxiliary circuit, a control in the distributing circuit including a switch and an electro-magnet which is adapted to be affected by the



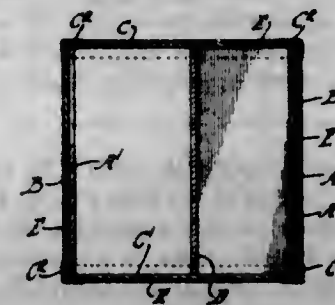
current derived from either the main or auxiliary circuit, but which is unaffected by the current derived from the other one of said circuits, with the result that in an emergency the current is supplied solely to the lamp to be lighted and is cut off from the other lamps of the system.

1,738,207. ELECTRIC HAMMER. ROY RIGGS, Bedford, Ind. Filed Nov. 1, 1927. Serial No. 230,308. 1 Claim. (Cl. 125—33.)



An electric hammer comprising a casing having a centrally arranged circular part forming a chamber, a cylindrical part at one end thereof and a bored part at its other end, an electric motor in the cylindrical part, a shaft connected therewith passing into the chamber in the circular part, a transversely arranged shaft in the circular part, gearing connecting the shafts together, a hammer carrying member on the transverse shaft, the bore in the bored part having its inner end tangentially arranged with respect to the chamber, a spring plunger in the bore with its inner end projecting into the chamber so that said end will be struck by the hammers, a bar slidably mounted on the casing and having a part projecting into the chamber for engaging the inner end of the plunger to limit the inward movement of the plunger and means for holding the bar in adjusted position.

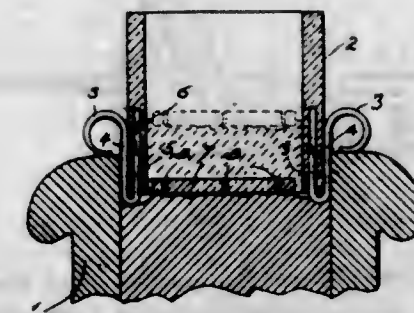
1,738,208. DISPLAY UNIT AND SUPPORT. WILLIAM C. ROBERTS, Chicago, Ill., assignor to Zinke-Roberts Co., Chicago, Ill., a Corporation of Illinois. Filed May 8, 1929. Serial No. 361,368. 7 Claims. (Cl. 211—156.)



1. A support unit of predetermined shape for use in connection with other units of predetermined shapes to

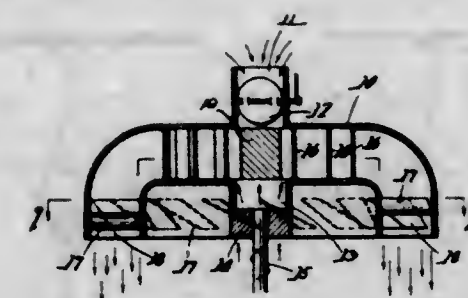
form a display stand, said unit including an inner rim of fibrous material, an outer rim of fibrous material, the outer rim being slightly higher than the inner rim, heads or covers set in the top and bottom of the outer rim and resting against the upper and lower edges of the inner rim the difference in height of inner and outer rim being such as to render the heads substantially flush with the upper and lower edges of the outer rim, adhesive securing means for holding the heads in position, and an outer covering laid evenly over the outer rim and heads.

1,738,209. HOT-TOP-HOLDING CLIP. ANDREW R. ROWE, Midland, Pa. Filed Sept. 6, 1928. Serial No. 304,295. 4 Claims. (Cl. 22—147.)



1. A clip for frictionally holding a hot top in the end of a mold said clip comprising means extending down the side of the hot top and another portion to frictionally hold it to the hot top the clip having an offset to rest upon the top of the mold and support the hot top in the mold.

1,738,210. DEVICE FOR INCREASING BUOYANCY. FREDERICK G. SARGENT, Westford, Mass. Filed Sept. 21, 1928. Serial No. 307,402. 4 Claims. (Cl. 170—168.)

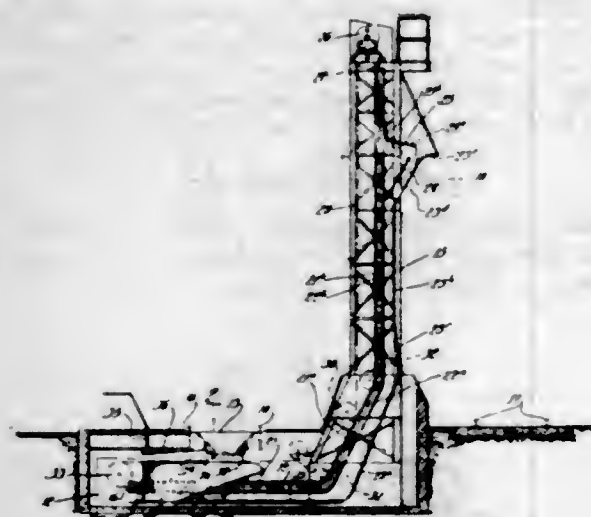


1. In a device for the purpose described, the combination of a rigid casing having a horizontal part provided with a central inlet extending upwardly and an annular vertically downwardly extending outlet around the sides, at the bottom, said casing being rotatable on its own vertical axis and a series of fan blades mounted in stationary position in the horizontal part of the casing and tending to direct currents of air down through the inlet, through the casing, and directly downwardly through the outlet to tend to lift said casing.

1,738,211. MATERIAL-MOVING APPARATUS. JAMES B. SCHAUB, Wilmette, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed June 23, 1927. Serial No. 200,993. 2 Claims. (Cl. 214—1.)

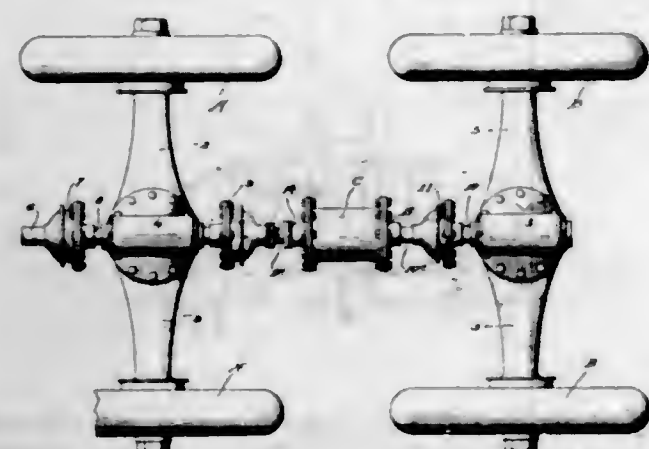
1. In apparatus of the character described, the combination of a bucket, and bucket guiding means along which said bucket is movable, so constructed and arranged that when the bucket is in lowermost, filling, position it is positioned on its side and in moving along said means moves toward righted position, one side of said

bucket being partly closed and the opposite side thereof inclining toward said partly closed side and toward the dis-



charge end of the bucket, said partly closed side extending from the base of the bucket upwardly above the beginning of the inclined portion of said opposite side.

1,738,212. AUTOMATIC DRIVING CLUTCH. HORATIO W. SMITH, Los Angeles, Calif., assignor, by mesne assignments, to Eight-Wheel Motor Vehicle Company, San Francisco, Calif., a Corporation of California. Filed Aug. 31, 1925. Serial No. 53,480. 18 Claims. (Cl. 180—22.)

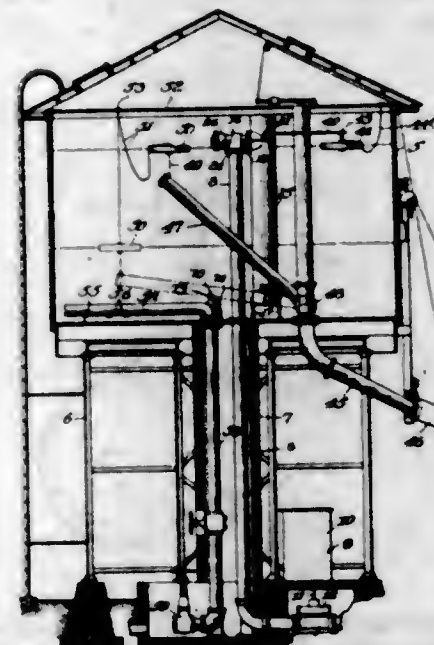


1. The combination with a driving and a driven shaft normally rotatable independently of each other, of means interposed between the shafts whereby an automatic driving connection is formed between the shafts when the speed of the driven shaft exceeds the speed of the driving shaft and a positive interlocking of the shafts will result with an increase in the difference of the speeds of the said shaft to check the speed of the driven shaft.

1,738,213. STORAGE TANK. BARTON S. SNOW, Wheaton, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1928. Serial No. 244,123. 2 Claims. (Cl. 210—10.)

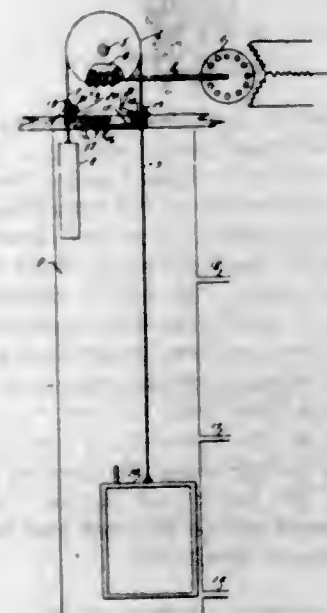
1. A water storage apparatus comprising a tank for the water, a pipe for removing sediment from said tank, said pipe extending at its inlet adjacent the bottom of the tank and having a depending outlet formed with an outwardly

extending swiveling flange, said tank having an outlet portion into which the outlet of said pipe discharges, and



means on the tank and engaging said flange for swiveling said pipe to said tank for rotation relative to the outlet of said tank.

1,738,214. DETERMINED TRAVEL SAFETY CONTROL. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed May 20, 1925. Serial No. 31,698. 19 Claims. (Cl. 187—28.)

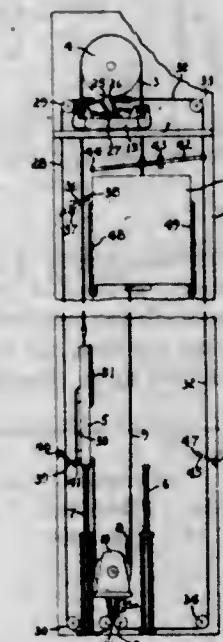


9. An elevator installation comprising a driving drum, a cable passing over the drum and having a reach suspending and terminating at a car and another suspending and terminating at a counterweight, a device adjacent the drum adapted to sustain the weight of a reach therebelow, and means for operating said device when the load connected with its reach approaches its lower limit.

1,738,215. TRAVEL-CONTROL DEVICE FOR ELEVATORS. ERNEST B. THURSTON and FRANK L. OHLER, Toledo, Ohio, assignors to The Haughton Elevator & Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 30, 1927. Serial No. 187,749. 15 Claims. (Cl. 187—28.)

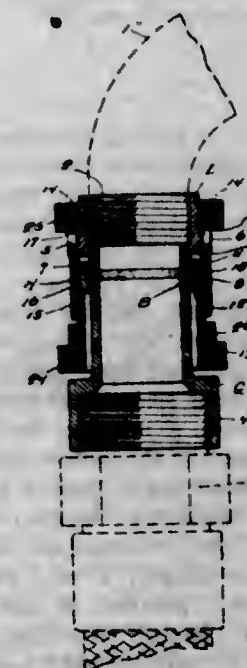
10. In an elevator installation, the combination of a drum, means to rotate the drum, cables passing over the

drum and provided at each end with a load, a compensating sheave and weight below the loads and connected thereto, gripping means located above the normal limit of elevator travel, a tripping device engageable by one of the loads as it approaches its lower limit of travel, another tripping device engageable by the other load as it approaches its upper limit of travel, means connecting both of said tripping devices to said gripping means to



cause the latter to grip the downwardly traveling reach of the cables so that the first of said loads to reach the end of its normal movement will cause the actuation of said gripping means, and means connected with the compensating sheave and weight for actuating the tripping device associated with the gripping means for the downwardly traveling reach of cables in case one of the loads is stopped at an intermediate point while the drum continues to turn.

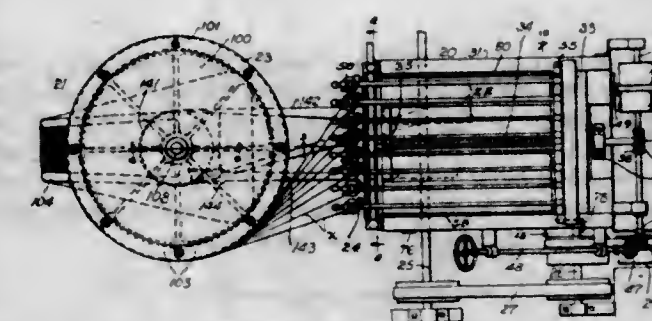
1,738,216. QUICK-ACTING COUPLING. ARCHIBALD L. WALLACE, Brooklyn, N. Y., assignor to Metal Hose & Tubing Co. Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 27, 1926. Serial No. 97,828. 2 Claims. (Cl. 285—175.)



1. In a quick acting coupling, comprising two separate coupling members intended to be coupled together, a collar surrounding one of said coupling members having bayonet

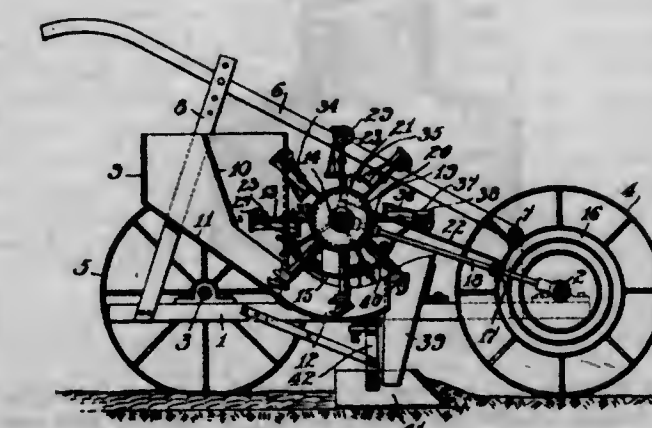
slot connection therewith, a part providing a shoulder upon said collar engaging the other coupling member in opposition to said bayonet slot connection, and means whereby said part is adjustable upon said collar to act upon the bayonet slot connection for moving the two coupling members into tight engagement with each other, the combination therewith of stop means co-operative between said collar and said part to limit relative movement of said part with respect to said collar, said stop means comprising a pair of abutments one carried by said collar and the other by said part arranged to engage against each other and means whereby one of said abutments is adjustable in a direction rotatively about the longitudinal axis of the coupling said means being operable to hold the adjustable abutment in any rotative adjusted position.

1,738,217. METHOD AND APPARATUS FOR SPINNING GLASS. EDMUND WELLECH, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Apr. 18, 1924. Serial No. 707,470, and in Austria May 4, 1923. 11 Claims. (Cl. 49—17.)



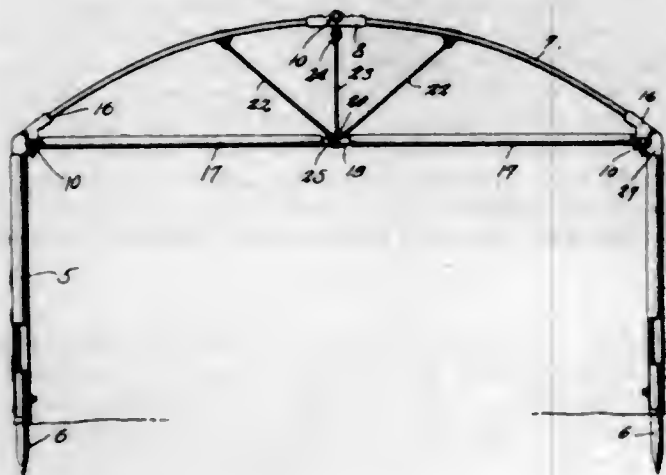
1. The method of producing glass wool yarn, which comprises spinning the glass simultaneously from a plurality of canes arranged in a plane, and helically winding the resultant threads, as a unit, onto a rotary member in the same plane in which the canes are mounted.

1,738,218. BULB DROPPER. JAMES F. WHEELER, Indianapolis, Ind. Filed Mar. 11, 1926. Serial No. 93,890. 3 Claims. (Cl. 221—127.)



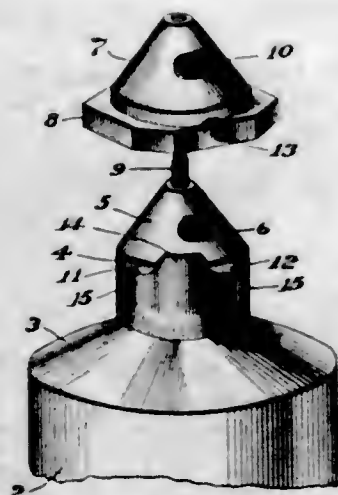
1. A machine for setting bulbs including a trough into which the bulbs are delivered, a plurality of rotating radial arms each having a pair of gripping fingers transversely adjustable on their arms to accommodate different sized bulbs and adapted to pass through said trough during their rotation, and means for opening said fingers during the passage thereof through the trough and closing them as they emerge from said trough.

1,738,219. TENT CONSTRUCTION. CECIL M. WICKSTRUM, Omaha, Nebr. Filed Nov. 17, 1928. Serial No. 320,085. 7 Claims. (Cl. 135-4.)



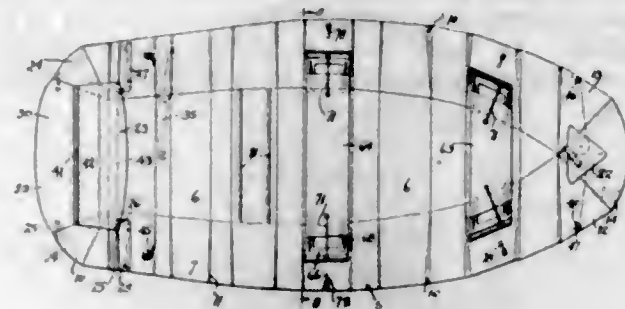
2. A tent frame construction including supporting posts, a roof section embodying flexible bars pivotally connected, bracing bars pivotally connected to the outer ends of the flexible bars, means for temporarily securing the free ends of the bracing bars together to bow the flexible bars, and means connected with the flexible bars, and bracing bars for normally holding the flexible bars bowed.

1,738,220. CLOSURE FOR DISPENSING CONTAINERS. EUGENE C. AMSDEN, Boston, Mass., assignor to Amsden & Barnard, Inc., Boston, Mass., a Corporation of Massachusetts. Filed May 1, 1928. Serial No. 274,260. 4 Claims. (Cl. 221-60.)



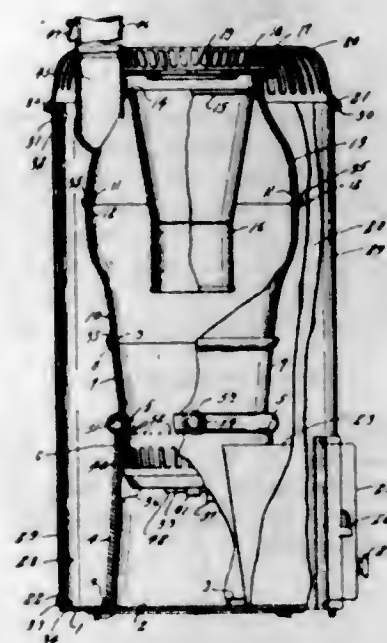
1. A closure for collapsible dispensing tubes, comprising a hollow discharge nozzle having a tapered end portion, said nozzle having a discharge port formed through the tapered surface of said end portion, a cap for said nozzle having a tapered surface to fit the tapered surface of said end portion, said cap having a discharge aperture therethrough and being mounted to turn on said nozzle to move said aperture into an open or closed relationship to said discharge port, and two oppositely inclined cams formed in the wall of said nozzle, said cap having a lug cooperating with said cams to hold said tapered surfaces in contact with each other in both the open and closed positions of the cap.

1,738,221. FOLDABLE BOAT. MILFORD M. BAIR and WILLARD E. EDGERTON, Glen Cove, N. Y. Filed Apr. 22, 1927. Serial No. 185,843. 11 Claims. (Cl. 9-2.)



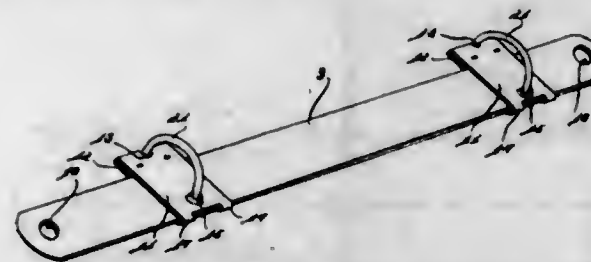
1. A collapsible boat comprising a plurality of rigid bottom and side members, a flexible member joining the bottom and side members, draw members passing through the sides and means for winding up said draw members whereby the sides are drawn up to complete the boat.

1,738,222. HEATER. HOWARD C. BAKER and ARNOLD KAIGHTON, Toledo, Ohio. Filed Dec. 3, 1924. Serial No. 753,630. 4 Claims. (Cl. 126-68.)



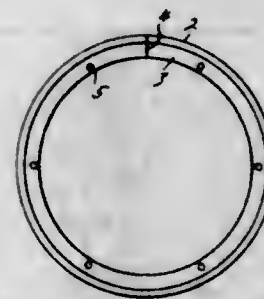
1. A stove comprising a base providing an ashpit floor and surrounding seat means with openwork radially outward from said ash pit floor, an ash pit having a doorway, a cylindrically closed fire pot, a cylindrically closed combustion chamber having an intermediate diameter in excess of the diameter of the fire pot, a cover for the chamber providing openwork radially from the chamber, said base, pit, pot, chamber and cover being in vertical series and having interfitting seat means therebetween, said base and cover having additional seats radially outward from said open work, a housing anchored with said additional seats to assemble the stove said housing comprising a pair of concentric walls spaced as to each other to form a closed heat insulating chamber completely surrounding the fire pot and combustion chamber, a door for the doorway of the ashpit, a fuel supply magazine centrally from the upper portion of said chamber and below said cover, said housing providing, except as to said ashpit doorway, a cylindrical heat conducting jacket, and legs for the base providing clearance for permitting draft intake through the base openwork for flow upwardly within the housing in directing the heat from the combustion chamber upwardly for draft discharge through the cover openwork.

1,738,223. LOOSE-LEAF BINDER. LEWIS BARNES, Farmington, Mich. Filed June 13, 1928. Serial No. 281,951. 6 Claims. (Cl. 129-24.)



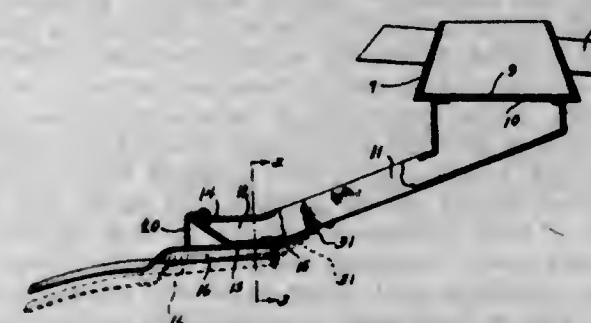
1. A loose leaf binder of the class described, comprising: a yieldable axis forming member; a hook pivotally mounted by one end on said axis forming member; and means for engaging the opposite end of said hook after movement of the same to a predetermined position for locking said hook in closed position.

1,738,224. METHOD OF FORMING BRAKE DRUMS. JOSEPH E. BATE, Detroit, Mich., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich., a Corporation of New York. Filed Oct. 5, 1925. Serial No. 60,571. 1 Claim. (Cl. 29-152.)



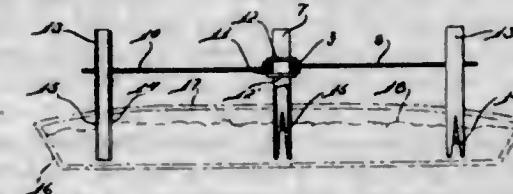
The method of forming a brake drum having a brake flange and a web which includes fashioning a metal blank of indeterminate length to form transversely extending flanges forming the brake flange and web of the brake drum, severing the blank to substantially predetermined length, hooping the blank to form from the transversely extending flanges a cylindrical flange and a transverse inwardly extending flange respectively, welding the ends of the blank to each other, expanding the hooped and welded blank to size and perforating the transverse inwardly extending flange of the blank at angularly spaced points.

1,738,225. NAIL HOLDER. OSCAR BREITHAUP, Detroit, Mich. Filed Feb. 28, 1929. Serial No. 348,296. 3 Claims. (Cl. 1-49.6.)



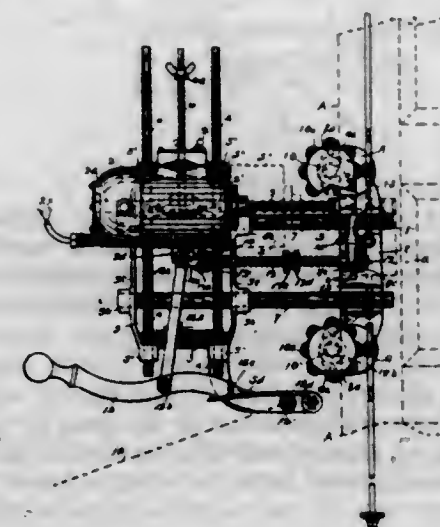
1. A nail holder of the class described comprising: a nail receiving hopper; a conveying trough positioned beneath and inclined downwardly and outwardly from said hopper, the lower end of said trough being angularly turned and provided with an opening therein; a nail receiving trough positioned beneath said opening; a spring arm for connecting said last mentioned trough to the inclined portion of said first mentioned trough; and a resilient member mounted on the angularly turned portion of said first mentioned trough and projected downwardly to said second mentioned trough.

1,738,226. PIE VENT. EDITH D. BREWER, Detroit, Mich. Filed Jan. 7, 1929. Serial No. 330,854. 3 Claims. (Cl. 53-6.)



1. A pie vent of the class described comprising: a tube; a plurality of arms swingably mounted on and projected outwardly from said tube; a tube carried by the free end of each of said arms.

1,738,227. MORTISING MACHINE. RAY L. CARTER, Phoenix, N. Y., assignor to R. L. Carter Company, Inc., a Corporation of New York. Filed Dec. 13, 1928. Serial No. 325,855. 2 Claims. (Cl. 144-70.)



1. In a mortising machine, a bracket formed to be clamped to the work, a pair of spaced parallel rods extending outwardly from said bracket, a frame having spaced pairs of horizontally aligned bearings to slidably receive said rods, spaced pairs of vertically aligned bearings on said frame, guide rods slidable in said vertical pairs of bearings, a motor driven tool secured to said guide rods and movable therewith in a direction substantially at right angles to the movement of said frame, a forwardly extending arm carried by said frame, a horizontal lever having one end pivotally connected to said arm and having its free end extending beyond the rear end of the tool, a depending link carried by the motor driven tool and having its free end pivotally connected to the lever intermediate the ends of the latter, whereby the motor is manually moved in a direction vertically downwardly in said frame, spring means interposed between said arm and lever for normally urging said motor driven tool vertically upwardly, and means for automatically advancing the tool toward the work upon downward movement of said tool.

1,738,228. GLASS CUTTING. FURMAN N. CAMPBELL, New Haven, and JULES MYATT, East Haven, Conn., assignors to Bessie L. Gregg, New Haven, Conn. Filed June 24, 1929. Serial No. 373,245. 9 Claims. (Cl. 49-50.)



8. Process of cutting laminated glass having a plurality of layers of glass between which shatter preventing and

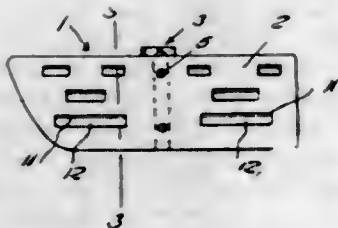
binding material is interposed, which comprises cracking the glass along a desired line of separation, then applying an intense localized heat at said line by the use of electrically heated conducting means to quickly and substantially uniformly soften the binding material at said line within a narrow zone only, to permit separation along the desired line without disturbance of the binding material remote from said line, separating the glass at said line before the heat within said zone has substantially radiated to the adjacent glass and before the binding material has substantially hardened, and pressing a hot object against any of the binding material protruding from the glass edges to soften the same and compact it against said edges.

1,738,229. GLASS CUTTING. FURMAN N. CAMPBELL, New Haven, and JULES MYATT, East Haven, Conn., assignors to Bessie L. Gregg, Forest Hill Gardens, N. Y. Filed Dec. 10, 1928. Serial No. 325,121. 8 Claims. (Cl. 49—50.)



3. Process of severing laminated glass comprising a plurality of layers of glass between which material for preventing shattering is interposed, which comprises cracking the layers of glass along the desired line of separation by applying electrically heated conductors thereto, and thereafter by the use of electrically heated conductors, creating in the glass at one side of said line of separation a temperature different from that of the glass at the other side of the line of separation, whereby one of said areas of glass may be separated from the other without disturbance of the shatter preventing material in one of said areas.

1,738,230. PLOW SHIELD. JOHN J. CAPEL, Scranton, Iowa. Filed Feb. 11, 1928. Serial No. 253,672. 2 Claims. (Cl. 97—188.)

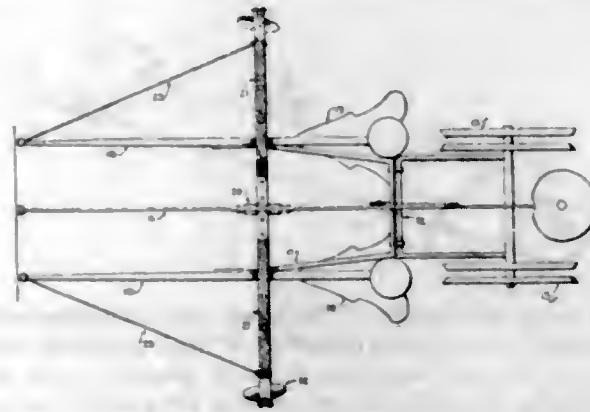


1. In a plow shield, a metallic plate, an angular bracket therefor, the vertical arm of the bracket being secured transversely to the intermediate portion of the plate, said plate being formed with a plurality of longitudinally extending slots of various lengths, the slots being arranged in staggered relation on opposite sides of the central portion of the plate, and inclined lips extending upwardly from the lower edges of the slots to catch the dirt and cause the same to sift through the respective slots.

1,738,231. LAND MARKER. LEON W. CHASE, Lincoln, Nebr., assignor to Chase Plow Company, a Corporation of Nebraska. Filed Nov. 17, 1927. Serial No. 233,929. 6 Claims. (Cl. 97—230.)

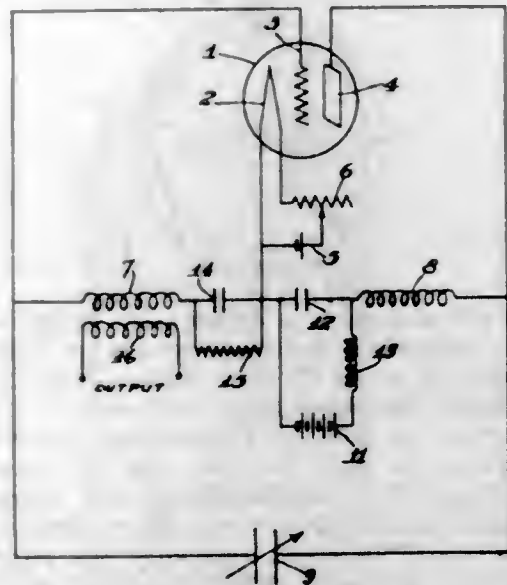
1. A landmarker adapted for use with an earth working implement having a frame and a tool beam pivotally connected thereto and movable in a vertical plane, said landmarker including a marker arm and a marking member at the outer extremity of said marker arm, and means

for pivotally connecting said marker arm at its inner extremity to the implement frame so as to extend over



and to rest on the tool beam of the implement frame, the arrangement being such that the movement of the tool beam is communicated to said marker arm.

1,738,232. RADIOCIRCUIT. BEN C. COMFORT, Versailles Borough, Pa. Filed July 2, 1928. Serial No. 289,759. 4 Claims. (Cl. 250—36.)

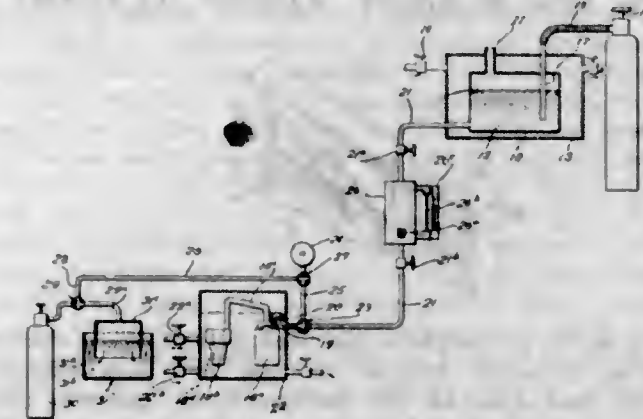


1. In a high frequency generator, a three electrode vacuum tube comprising a cathode, an anode and a control electrode, an oscillating circuit comprising inductance and capacity, said anode and control electrode being connected to points in said oscillating circuit of unequal high frequency potential, said cathode being connected to a point in said oscillatory circuit having a potential intermediate those of said anode and electrode, a source of direct current having its negative terminal connected to said cathode and its positive terminal connected to said oscillatory circuit which is at substantially the same high frequency potential as the point to which said cathode is connected, said source of direct current being included in a direct current circuit between said anode and said cathode, a fixed condenser included in said circuit between said control electrode and said cathode, a high resistance included in said circuit in parallel current circuit relation with said condenser, a second fixed condenser connected in parallel current circuit relation with said source of direct current, and a variable condenser connected in said oscillatory circuit to said anode and said electrode for tuning said circuit.

1,738,233. REFRIGERATION. FERNAN O. CONILL, Marseille, France. Filed Jan. 16, 1923. Serial No. 612,886. 8 Claims. (Cl. 62—170.)

1. The herein described art of filling refrigerating apparatus with a solution having dissolved therein a lique-

fiable gas, which consists in evacuating the apparatus to remove air therefrom, reducing the temperature of the



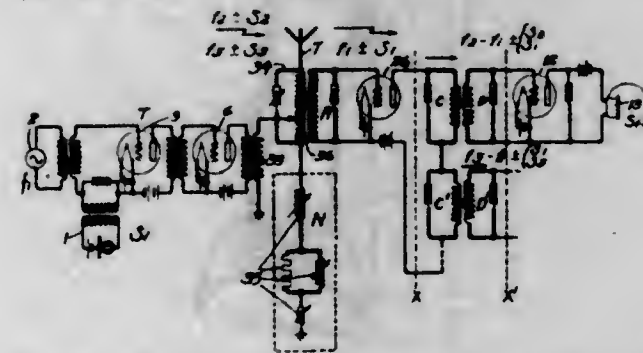
apparatus below that of the prepared solution, and thereupon introducing into the apparatus a predetermined quantity of said solution.

1,738,234. SUBMARINE-CABLE CONSTRUCTION. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1923. Serial No. 673,972. 1 Claim. (Cl. 173—267.)



A deep sea cable comprising an insulated conductor and two oppositely wound spiral armors surrounding said insulated conductor each of said armors comprising individual wires separated from each other and from the wires of the other armor by yielding material whereby the armored cable may be readily coiled in any direction.

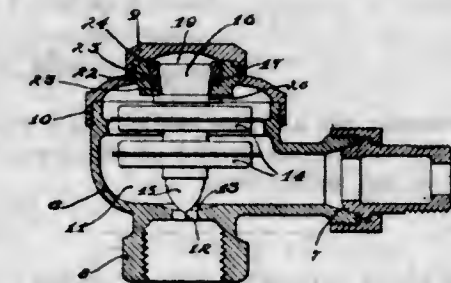
1,738,235. SIGNALING. JOHN F. FARRINGTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1919. Serial No. 326,986. 25 Claims. (Cl. 250—6.)



1. The method of duplex telephony which comprises transmitting speech in one direction between two stations

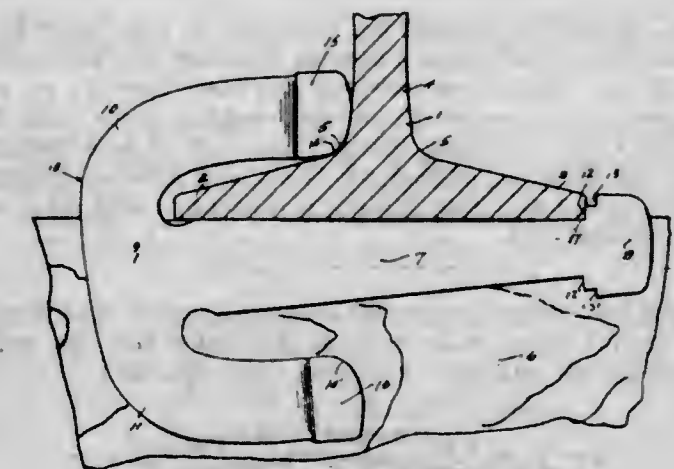
by means of a carrier wave, transmitting speech in the other direction by means of a carrier wave having a different frequency, and utilizing at one of said stations a portion of the energy of the outgoing carrier wave to produce a wave from which both of the speech signals may be derived.

1,738,236. VALVE. CHARLES F. FERNALD, Weston, Mass., assignor to Barnes & Jones, a Copartnership consisting of Walter E. Barnes, Wellesley, Mass., and William T. Jones, Newtonville, Mass. Filed Sept. 17, 1928. Serial No. 306,336. 8 Claims. (Cl. 236—58.)



1. A valve of the class described comprising a normally fixed support, a valve actuator and means providing snap socket connections between the support and actuator, thereby forming a separable but non-adjustable connection between said ports.

1,738,237. RAIL ANCHOR. ALBERT F. FIFIELD, St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 28, 1929. Serial No. 335,451. 7 Claims. (Cl. 238—330.)

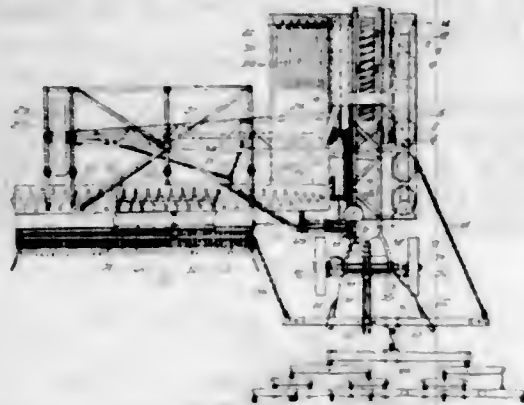


4. A rail anchor of generally T-form having a stem tongue terminating in a pair of oppositely extending flanges and its arms bent inwardly on opposite sides of the tongue each alternatively engageable with the fillet connecting a rail web and base of rails of different sizes, each of said flanges adapted to cooperate with a corresponding one of said arms to retain the anchor on a rail base by engagement with a lateral surface portion of the opposite rail base flange.

1,738,238. HARVESTING MACHINE. FRANCIS FOGARTY, Adelaide, Australia. Filed Dec. 19, 1924. Serial No. 756,876, and in Australia Dec. 20, 1923. 7 Claims. (Cl. 56—122.)

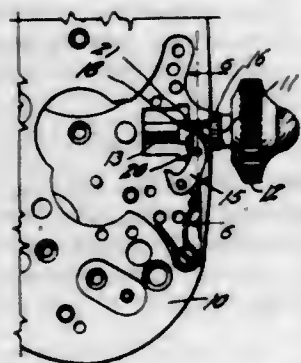
1. In a stripper harvester or reaper thresher machine, a main frame, a pair of main transport wheels supporting the rear and off-side of the main frame, a pivoted fore-carriage supporting the front of the main frame, a draught

bar connected to and disposed transversely in front of the forecarriage, a bridle fitted to the main frame between the transport wheels, a flexible connection between the offside



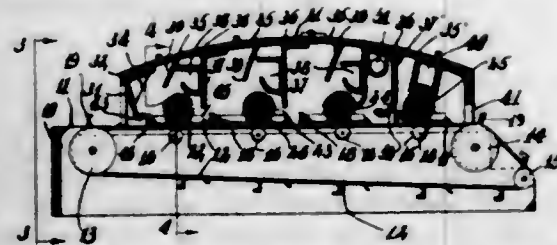
end of the draught bar and the bridle, and a draught connection between the near side end of the draught bar and the near side of the main frame.

1,738,239. WATCH CONSTRUCTION. FRITZ HUGO FRANKSON, Denver, Colo. Filed June 9, 1927. Serial No. 197,573. 4 Claims. (Cl. 58—99.)



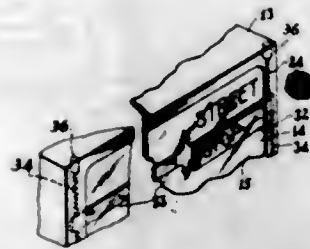
4. Means for limiting the movement of a set lever in a watch plate comprising a bushing threaded into said movement and adapted to surround the stem thereof; an enlarged annular extremity on said bushing, there being an arcuate slot extending through one wall of said bushing for the reception of said set lever, said annular enlargement acting as a stop for the movement of said set lever within said slot.

1,738,240. PAN CLEANING AND GREASING MACHINE. ALFONSO GRAF, New York, N. Y. Filed Oct. 25, 1928. Serial No. 315,023. 2 Claims. (Cl. 15—56.)



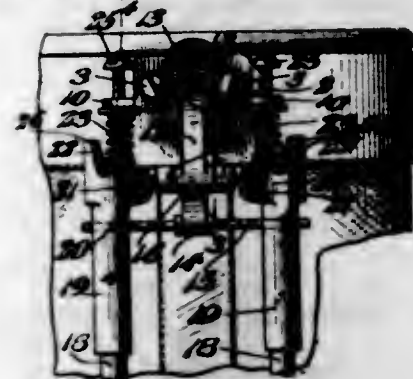
1. In a device of the class described, a hollow base, a conveyor belt mounted therein and having a horizontally extending top portion, a hood on said base, a brush transversely mounted across the top portion of the conveyor belt and rotatably supported in the hood, a horizontal door hingedly mounted in the top of the hood, a vertical support plate projecting downwards from the door in the vicinity of the hinge and positioned along one side of the said brush, a guide vane projecting downwards from the door and extending along the other side of the brush, and a container with an open front secured upon the support plate for receiving particles cleaned from pans carried along by the conveyor belt and thrown by the brush against the guide vane.

1,738,241. AUTOMATIC STATION INDICATOR. ALFONSO G. GUASTELLO, Brooklyn, N. Y. Filed May 5, 1928. Serial No. 275,275. 3 Claims. (Cl. 40—56.)



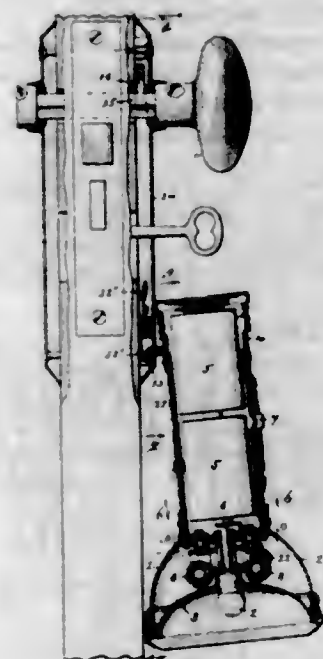
1. A device of the class described, comprising a station indicator arranged with a movable web with stations thereon, and adapted for movements to indicate that station at which a train stops, and the next station, a next station sign fixed across the web, and an indicating sign arranged for upward or downward motion behind the next station sign.

1,738,242. GOLF-BAG SUPPORT. WILLIAM H. GUNTHER, San Francisco, Calif. Filed July 28, 1928. Serial No. 295,928. 4 Claims. (Cl. 150—1.5.)



1. In a device of the character stated, a plurality of legs adapted to be hinged to a golf bag, springs bearing upon the upper ends of said legs, a lever fulcrumed between said legs and a transverse pin carried by said lever below the fulcrum thereof, and bearing upon the upper, inner portions of said legs to actuate the latter.

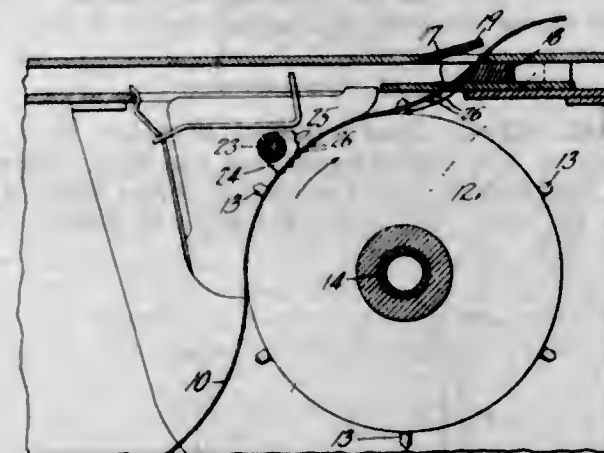
1,738,243. COMBINED FLASH LIGHT AND ALARM. FREDERICK H. HEDBERG, Chicago, Ill. Filed Nov. 21, 1928. Serial No. 320,872. 3 Claims. (Cl. 177—314.)



1. In a combined alarm and portable flash light system as herein described, the combination of a portable flash

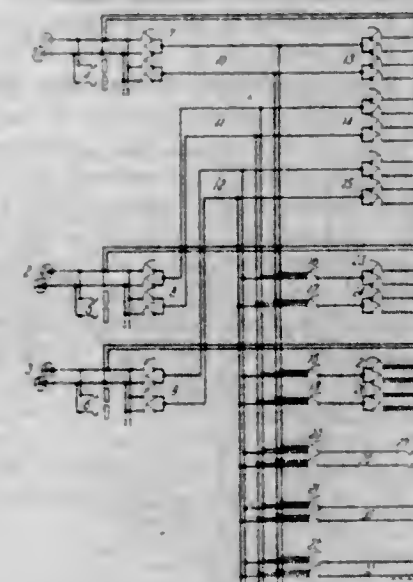
light comprising an electric battery, a primary or light circuit embracing a manually actuated circuit closer and an electrical illuminating means, an audible sound producing means comprising a secondary line or circuit embracing an electro-magnet, an armature, an automatic circuit make and break mechanism, a striker arm carried by said armature, a sound producing means arranged in operative relation to said striker arm, a casing enclosing the above enumerated parts, a hook up member on said casing acting as a suspensory means for the appliance and carrying portions of the aforesaid secondary line or circuit with said portions adapted for electrical contact with complementary portions of said secondary line or circuit extending into operative relation to a revoluble means of the door of a dwelling or the like and by means of which a normally open circuit between said complementary portions of the secondary line or circuit is closed.

1,738,244. TICKET-VALIDATING DEVICE. REUBEN H. HELSEL, Long Island City, N. Y., assignor to Automatic Ticket Register Corporation, New York, N. Y., a Corporation of New York. Filed June 24, 1927. Serial No. 201,098. 2 Claims. (Cl. 164—99.)



1. A ticket dispensing device which comprises a rotating ticket feeding wheel, a shaft, a flange on said shaft having an edge positioned to be brought at intervals into shearing relation to said ticket feeding wheel upon the rotation of said shaft, and gears for driving said shaft in definite relation to said feeding wheel.

1,738,245. TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1928. Serial No. 316,432. 12 Claims. (Cl. 170—27.)



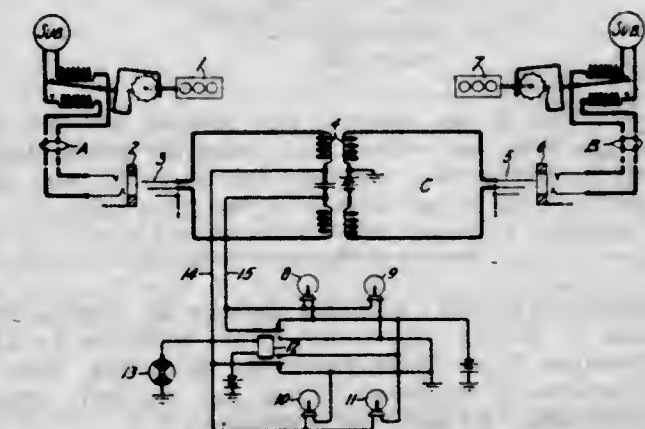
4. In a telephone system, hunting switches, a trunk for each switch, lines terminating in each switch, means

for seizing a line, means for actuating the switch of any idle trunk to connect it to said seized line and means for actuating any switch to connect its associated trunk with an idle line.

1,738,246. CUTTING ELECTRODE. ROBERT W. HOLT, Chicago, Ill., assignor to Fusion Welding Corporation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1928. Serial No. 141,034. 3 Claims. (Cl. 219—8.)

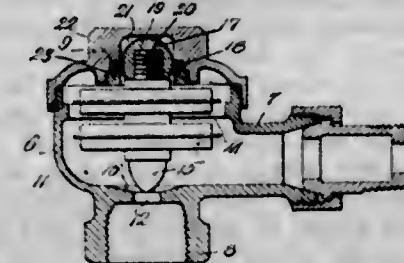
1. A metallic arc electrode having an inner coating of aluminum oxide in combination with a surrounding coating of silicon dioxide.

1,738,247. CURRENT-CONTROLLING SYSTEM. PHILIP HUSTA, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 29, 1927. Serial No. 229,573. 12 Claims. (Cl. 179—9.)



1. In combination, a line, a current operated device for said line, a source for supplying current to said line, means for connecting said source in circuit with the line, a current carrying element the resistance of which varies in response to the flow of current therein, means for changing the character of the connection of the supply source to said line to cause the operation of said device, and means for including said element in circuit with the line to prevent a sudden change of current flow therein.

1,738,248. VALVE. WILLIAM T. JONES, Newtonville, Mass., assignor to Barnes & Jones, a Copartnership consisting of Walter E. Barnes, Wellesley, Mass., and William T. Jones, Newtonville, Mass. Filed Sept. 17, 1928. Serial No. 306,392. 5 Claims. (Cl. 236—58.)

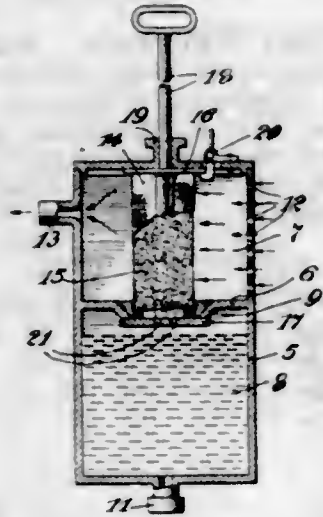


1. A valve structure comprising a casing having a valve seat, a removable cover having fluid-tight engagement with the casing, said cover having a socket, a spring member associated with said socket, a valve cooperable with the valve seat, and an actuating element for the valve, said actuating element having a knob adapted to seat within the socket and to be held therein by the spring, thereby to hold the actuating element and its valve in adjusted position with respect to the valve seat, said knob and socket being so shaped as to permit the valve to move freely to center itself on its seat.

1,738,249. AIR AND GAS FILTER. ANDERS JORDAHL, New York, N. Y. Filed May 8, 1924. Serial No. 711,808. 7 Claims. (Cl. 183—52.)

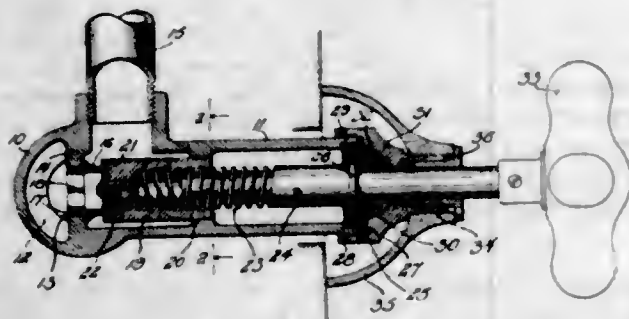
1. An apparatus for cleaning air and other gases comprising a casing having a lower portion constituting a

liquid holding reservoir and a gas inlet and an outlet in permanently fixed spaced relation to each other above said reservoir, a filter unit movable in said casing from



the reservoir to an operable gas filtering position between the inlet and outlet, and means for substantially sealing communication between the reservoir and the gas outlet in the latter position of the filter unit.

1,738,250. FAUCET VALVE. JULIUS S. JUDELL and JACOB P. BITTEL, Milwaukee, Wis., assignors to The Milwaukee Flush Valve Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 12, 1927. Serial No. 160,550. 1 Claim. (Cl. 251-48.)

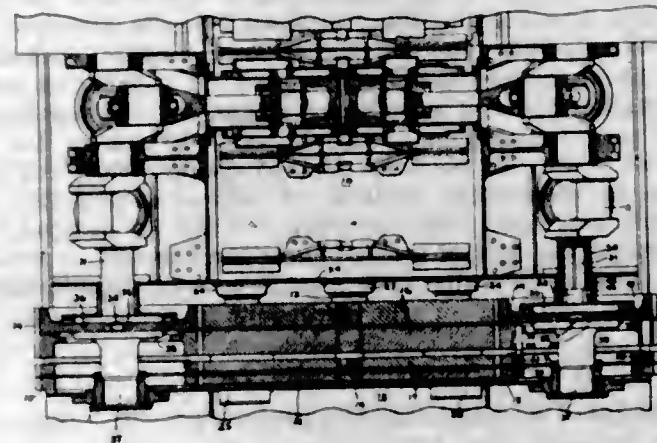


In the concealed plumbing fixture the combination of a body portion adapted for mounting in a wall and having inlet and outlet passages, a partition therebetween, an elongated neck on said body portion adapted to project beyond the wall, a valve seat removably retained in said partition, guide means in said neck portion adjacent said outlet passage, a valve plug free to reciprocate in said neck portion and retained against rotation by said guide means, a screw shaft engaging said plug to reciprocate the same, an integral collar on said shaft, a washer seated in the mouth of said neck portion, said washer having a recess to receive said integral collar on said shaft, a second washer of smaller diameter than said first washer adapted to cooperate with said first named washer to retain said stem against longitudinal movement, a packing nut threaded on said neck, packing within said nut cooperating therewith to seal the neck, a cover plate adapted to be positioned over said packing nut, and a nut in screw threaded engagement with said packing nut to retain said cover plate against the wall to conceal the fixture.

1,738,251. GEARING. ALEXANDER T. KASLEY, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 31, 1927. Serial No. 179,765. 13 Claims. (Cl. 74-7.)

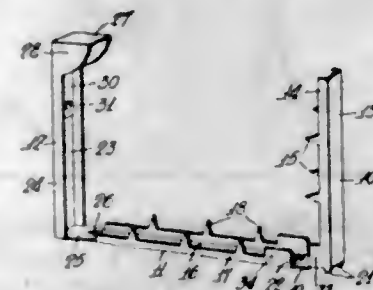
1. The combination of an engine crank shaft, a driven member, gearing between the crank shaft and the driven

member including first and second gears coaxially related with respect to the crank shaft, torsional vibration absorption means for coupling the first gear to the crank shaft, means for mounting the second gear so as to be capable of angular movement with respect to the axis



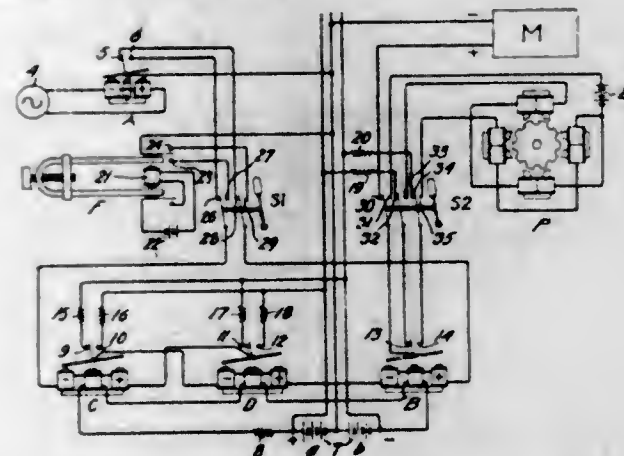
of said crank shaft, and anti-backlash means for the gearing including energy absorbing means disposed between the first and second gears for exerting torque on the first gear in the direction of normal rotation thereof during intervals of negative torque of the crank shaft.

1,738,252. SEAL. FRANK KEIDEL, Elmhurst, N. Y., assignor to The International Seal and Knot Protector Co., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1929. Serial No. 341,965. 10 Claims. (Cl. 292-307.)



1. A seal including a strip of sheet metal comprising three sections united end to end, and all of approximately the same length, said strip being bendable between said sections, two of said sections comprising gripping members and the third section having means for locking the free end thereof to the strip at a point adjacent to the bendable part between the two gripping sections.

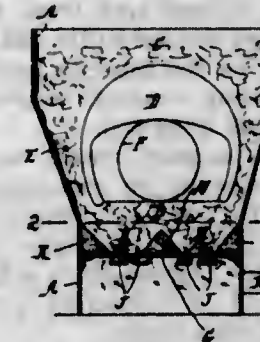
1,738,253. FREQUENCY CHANGER. GEORGE A. LOCKE, Glen Cove, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 11, 1924. Serial No. 685,688. 7 Claims. (Cl. 175-373.)



7. In an electrical system, a pair of contacts, means to alternately close said contacts, two polar relays, each

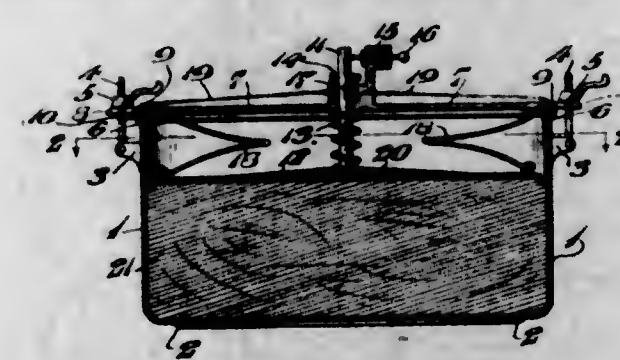
having an energizing winding, an armature and a pair of contacts alternately closed by the actuation of said armature, an energizing circuit for one of said relays including in series one of said first pair of contacts and one of said pair of contacts of the other polar relay, and an energizing circuit for the other of said polar relays including in series the second contact of said first pair of contacts and one of the contacts of said pair of contacts of the first of said two polar relays.

1,738,254. FURNACE. TELFORD MACLENNAN, Hamilton, New Zealand. Filed June 14, 1928. Serial No. 285,287, and in New Zealand July 15, 1927. 4 Claims. (Cl. 126-73.)



1. A furnace comprising a casing, a fire grate arranged in said casing, a domed member disposed in said casing above said grate and dividing the portion of said casing above said grate into a fuel supply chamber and a fuel combustion chamber communicating with one another, means for supplying a current of air to the under side of said grate, and means for withdrawing the gases of combustion.

1,738,255. COOKING APPARATUS. FREDERICK R. MILLER, Jersey City, N. J. Filed Apr. 28, 1928. Serial No. 273,484. 1 Claim. (Cl. 100-57.)

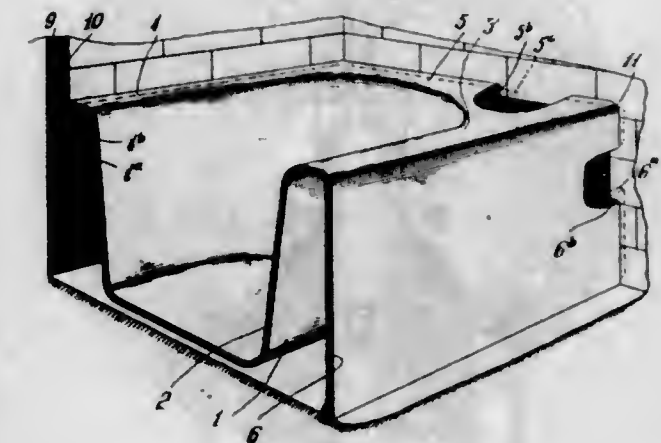


A cooking vessel for meats comprising a relatively shallow container of integral structure having a closed bottom and an open top, said open top being provided with a peripheral edge, a cover for the open top of said container, said cover being provided with a flanged groove for snugly fitting over the said edge of said vessel, a packing in said flanged groove, a follower plate having fixed thereto a notch stem projected through said cover, a stuffing box through which said stem functions, resilient means interposed between said cover and said follower plate, said resilient means comprising a spring coiled around said stem and a pair of oppositely disposed relatively V-shaped springs, and a spring pressed detent operative to engage said notched stem to retain said follower plate elevated against the action of said resilient means.

1,738,256. BATHTUB AND SIMILAR STRUCTURE. JEAN A. MILLER, Blue Island, Ill. Filed Dec. 6, 1928. Serial No. 324,085. 3 Claims. (Cl. 4-173.)

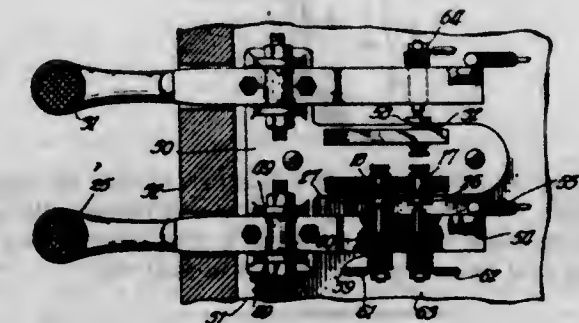
1. A bath tub comprising a tub body having a basin, side and end rim parts and an apron depending from at least

one of said rim parts, walls extending from the rim part and from said apron with a flange arranged inwardly of the outermost portions of said walls whereby the tub is



adapted to be associated into the walls of a building with the flange overlapping with at least a portion of the building wall and with the wall on the tub concealing the joint of connection between the flange and the building wall.

1,738,257. BOW-CONTROL DEVICE FOR AUTOMATIC CELLOS OR THE LIKE. BERT E. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed June 4, 1928. Serial No. 282,735. 11 Claims. (Cl. 84-11.)

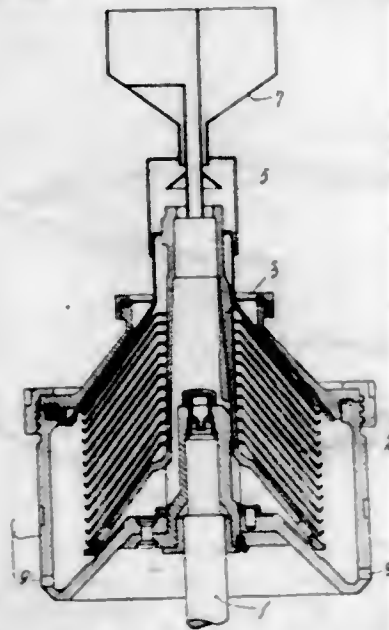


3. In a stringed instrument of the viol class, the combination of fingering devices, bows, bow magnets, an electric circuit including said magnets and resistance elements, and means operable during the playing of the instrument for varying the amount of resistance in the circuit to control the action of the magnets and thus the pressure of the bows on the strings, said means comprising a foot pedal, a series of contacts associated with said resistance elements and a switch element associated with said pedal and adapted to engage said contacts successively as the pedal is depressed to eliminate resistance from the circuit and thereby increase the tone volume.

1,738,258. CENTRIFUGAL SEPARATOR. HALLVARD NASS, Oslo, Norway. Filed Feb. 20, 1928. Serial No. 255,692, and in Norway June 18, 1925. 2 Claims. (Cl. 233-1.)

1. In a centrifugal separator having a stationary bowl-body and a rotatably mounted distributing cross and plate set, means for directing a flow of cleaning medium axially to the plate set and distributing cross and radially outward therethrough into the bowl-body, said bowl-body

having a plurality of outlet openings therea to permit the discharge of said cleaning medium, and means for closing said openings, whereby said separator may be operated



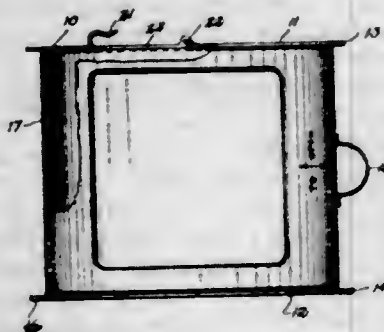
at will as a cleaning device or a separator and said plate set and distributing cross cleaned without removing them from the bowl-body.

1,738,259. DISPLAY DEVICE. ALFRED NEWLANDER, Milwaukee, Wis., assignor, by mesne assignments, to E. J. Brach & Sons, Chicago, Ill., a Corporation of Illinois. Filed Nov. 22, 1926. Serial No. 149,880. 1 Claim. (Cl. 312-189.)



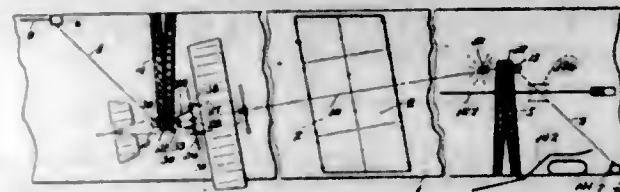
In a display device, a unit container having an opening at the rear, a lip extending upwardly and rearwardly along the bottom edge of said opening, a clip for friction fastening to said lip and a door hinged to said clip.

1,738,260. CLOTHESPIN HOLDER. OTTO NUSSEN, Newark, N. J. Filed May 28, 1929. Serial No. 366,707. 2 Claims. (Cl. 68-11.)



2. Clothes-pin holder comprising an inner drum and an outer sleeve rotatably held on said drum, means for guiding said sleeve during its rotation, a top for said drum having a depression therein, a hook pivotally attached at one end to said top and embedded with its body in the depression, thereby allowing a suspension of said drum upon turning the hook about its pivot, a handle on said sleeve, said drum and sleeve having openings therein adapted to be brought into alignment upon the proper rotation of said sleeve for giving access to the interior of said drum.

1,738,261. AEROPLANE-HANDLING STRUCTURE. WILLIS J. PERKINS, Grand Rapids, Mich., assignor to Willis B. Perkins and Burgess M. Kidder, Grand Rapids, Mich. Filed July 24, 1922. Serial No. 576,959. 62 Claims. (Cl. 244-2.)

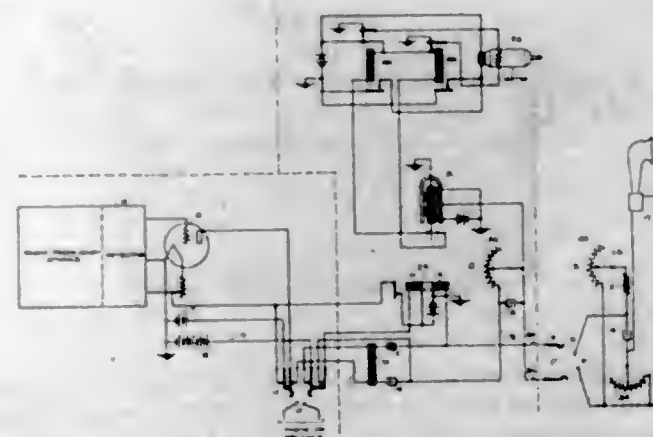


3. A construction of the class described, comprising two spaced apart supports of semi-arch form, a cable located between the supports and secured at its end portions there-to, a carriage mounted on the cable to traverse the same, and an aeroplane landing element suspended from the carriage, substantially as described.

40. In combination, a support, means movably mounted thereon to travel horizontally on said support, a pair of spaced apart lines carried by said means and depending therefrom, means for holding said lines apart at their lower ends, and a flexible trapeze perch supported by said lines and normally held in horizontal position by said means which holds the lines apart.

60. In combination with a fuselage of an aeroplane, an elongated hook support connected to said fuselage and mounted to extend upwardly and to the rear therefrom, a hook at the upper end of said support, means for mounting said hook support whereby it may be turned about a horizontal axis into stream line position with said fuselage or elevated to operative position substantially as described.

1,738,262. METHOD AND APPARATUS FOR REMOTE-LY CONTROLLING RADIO RECEIVING SYSTEMS. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 15, 1925. Serial No. 62,611. 17 Claims. (Cl. 250-20.)

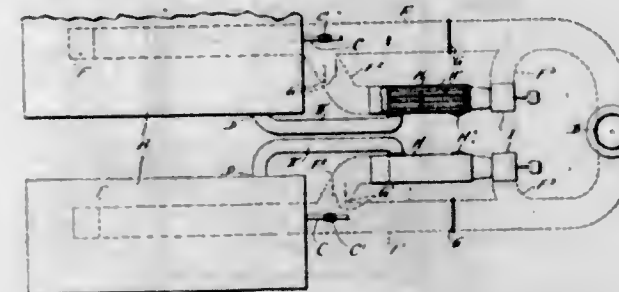


2. In a signaling system, a series of variably tuned circuits, tuning means for said circuits, mechanism for adjusting said tuning means, an electrically balanced circuit arrangement for controlling said mechanism, means at a remote point for disturbing the electrical balance of said arrangement to set said mechanism in operation, and means controlled by the operation of said mechanism to restore the balance of said arrangement whereby said mechanism is brought to rest.

1,738,263. METHOD OF HEATING OIL. JOHN PRIM-ROSE, Richmond, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a Corporation of New York. Filed July 2, 1923. Serial No. 648,974. 1 Claim. (Cl. 196-116.)

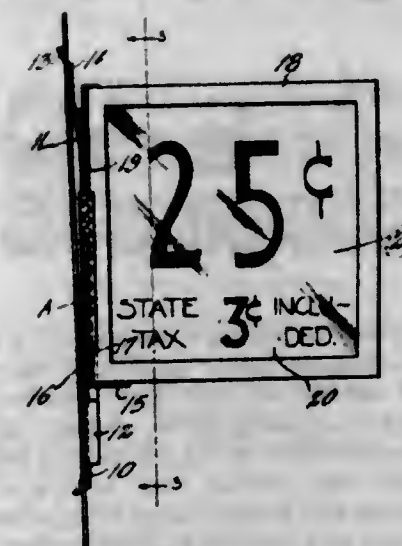
The method of operating an oil still which consists in burning fuel in an enclosed space, supplying air in sub-

stantial excess of the amount required for the combustion of the fuel to substantially lower the temperature in said space and to substantially increase the volume of combustion gases, absorbing heat by direct radiation from said space and transferring it to oil circulating in said space, passing the products of combustion and the excess air



mixed therewith into a second enclosed space, cooling said gases during their passage to said second space by transferring heat by convection to circulating oil, and utilizing the remaining heat in said gases for heating oil circulating in said last mentioned space and preheating substantially all of the excess air supplied to said first enclosed space before its entrance thereto.

1,738,264. DISPLAY DEVICE. ROSS E. RISSE, Bonham, Tex., assignor to Southwest Pump Company, Bonham, Tex., a Corporation of Texas. Filed May 18, 1928. Serial No. 278,862. 11 Claims. (Cl. 40-125.)

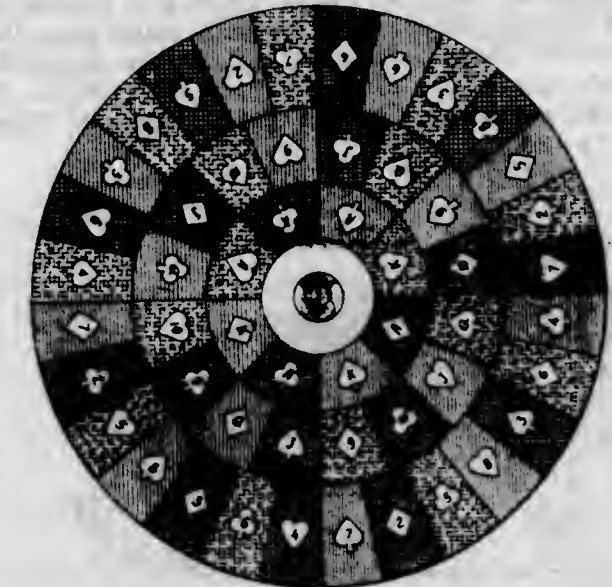


1. In a display device, a hanger having means for mounting it in the meshes of an open mesh support and including a longitudinal member with a step at one end, and a display holder adapted to rest upon said step and having an interlocking flange engaging said member.

1,738,265. GAME. DENNIS R. SCANLAN, New York, N. Y. Filed Aug. 9, 1927. Serial No. 211,726. 4 Claims. (Cl. 273-123.)

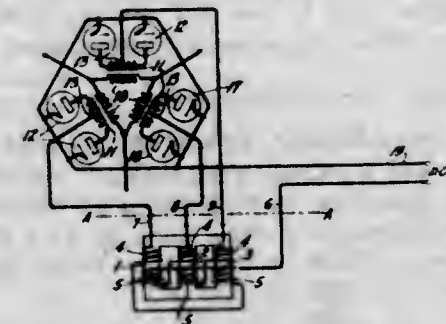
1. A game of skill comprising a circular board marked with a number of concentric zones, sub-divided to form a plurality of numbered sub-divisions, said sub-divisions being coloured in three colours, arranged to give a sequence of contrasting colours and a circular centerplate adapted to be positioned in the center of said board, said centerplate

having sloped sides and a recess adapted to receive a freely movable member, and a freely movable member



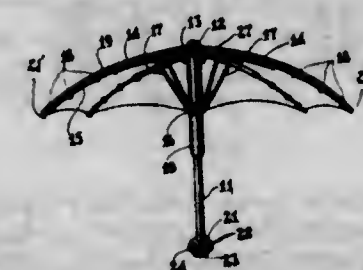
adapted to travel over said board, scoring being determined by the position on said board at which said member comes to rest.

1,738,266. RECTIFIER SYSTEM. JOHN C. SCHELLENG, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 14, 1924. Serial No. 749,858. 1 Claim. (Cl. 175-363.)



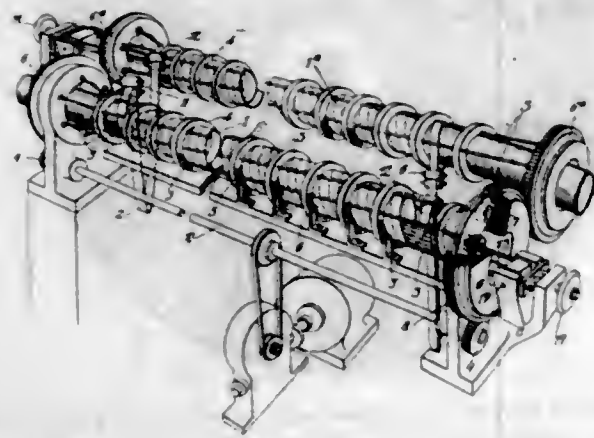
In a rectifying system, a polyphase source, a plurality of rectifying devices, means comprising a plurality of sections for inductively coupling said source to said devices, said sections being arranged in electrically independent groups provided with neutral points, a rectified current circuit and a reactive device included in said rectified current circuit, said reactive device comprising a common magnetic circuit having a plurality of cores and a plurality of sectionalized windings arranged on said cores in such manner that current from each of said neutral points traverses two of said windings in series, said series windings being on different cores, for impeding the flow of certain harmonic components of the rectified current.

1,738,267. COLLAPSIBLE UMBRELLA. ARISTEDE A. THEODOROPULOS, New York, N. Y. Filed May 9, 1928. Serial No. 276,206. 4 Claims. (Cl. 135-26.)



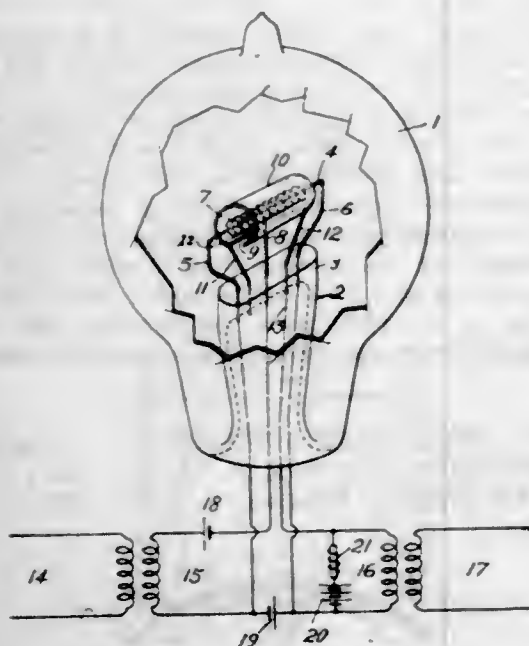
1. In an umbrella of the class described, telescopic ribs each consisting of a plurality of telescoping sections, rings slidable on the outer sections of the ribs, and an umbrella cloth fixed on the inner sections and on said rings.

1,738,268. MANUFACTURE OF TUBES OF INDIA RUBBER OR SIMILAR MATERIAL AND APPARATUS THEREFOR. DOUGLAS FRANK TWISS and EDWARD ARTHUR MURPHY, Birmingham, England, assignors to Dunlop Rubber Company Limited, Birmingham, England, a British Company. Filed Oct. 17, 1927, Serial No. 226,397, and in Great Britain Oct. 21, 1926. 20 Claims. (Cl. 18-26.)



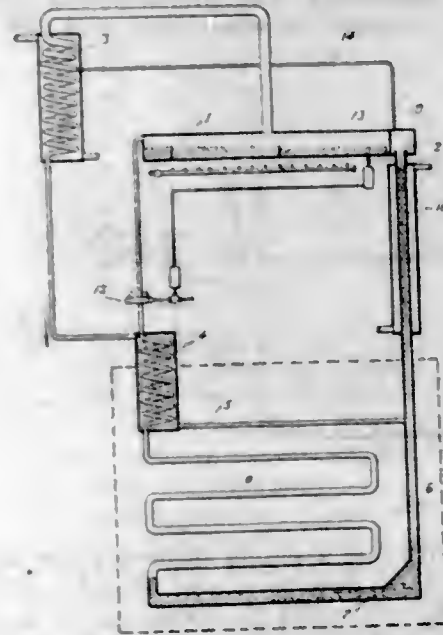
13. Apparatus for forming a tube from a solution or aqueous dispersion of India rubber, gutta percha, balata or like material comprising an endless helically disposed band forming a hollow cylinder, a feeding device arranged to feed said material on to the inner surface of said cylinder, means for imparting a relative movement between said cylinder and said feeding device and means for withdrawing the endless band at one end and for leading it back at the other end of the hollow cylinder formed thereby.

1,738,269. ELECTRON-DISCHARGE DEVICE AND METHOD OF MAKING THE SAME. HENDRIK J. VAN DER BIJL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1918. Serial No. 265,222. 24 Claims. (Cl. 250-27.5.)



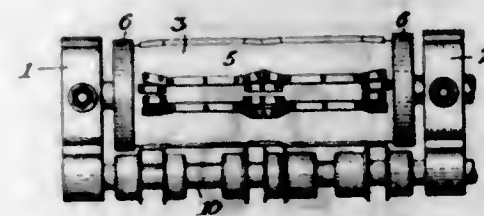
1. A vacuum tube device comprising a press, a cathode, an anode surrounding said cathode, the inner surface of said anode being substantially concentric with said cathode, and supporting wires fastened at one extremity to said electrodes and embedded at their other extremities in said press, said wires forming the sole supporting means between said electrodes and said press and comprising means for establishing a potential difference between the electrodes.

1,738,270. REFRIGERATING SYSTEM. GLENN FADER ZELLMAYER, Bloomington, Ill. Filed Nov. 10, 1925. Serial No. 68,083. 8 Claims. (Cl. 62-170.)



1. A method of refrigerating which comprises, dissolving a solute in a solvent, conveying the solution so formed to a recovery chamber, applying heat to the solution to cause substantially complete separation of the solute from the solvent, the heat being sufficient to maintain the solute in a molten state, and returning the solute to effect a redissolution.

1,738,271. DIE ROLL. CHAMPE S. ANDREWS, North Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 25, 1926. Serial No. 97,165. 7 Claims. (Cl. 93-58.)



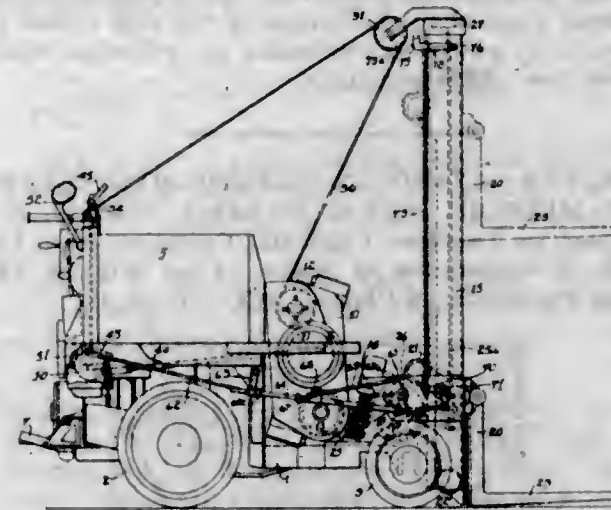
1. A die device comprising a male member and a female member, male creasing cleats secured to the substantially uninterrupted surface of said male member, each male cleat including a creasing knife, female creasing cleats secured to the substantially uninterrupted surface of said female member, each female cleat having a longitudinal groove, said male and female cleats being arranged so that said knives enter said grooves to make creases in materials operated upon, said cleats being adapted to be placed in any desired position on said surface to make the desired creases.

7. A die device comprising a male member and a female member, male cutting cleats secured to said male member, each male cleat comprising a base portion and an upstanding knife portion, female cutting cleats secured to said female member, each female cutting cleat having a flat upper surface, said male and female cleats being arranged so that said knife portion works against said flat upper surface.

1,738,272. INDUSTRIAL TRUCK. EDWARD J. ARBE, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 5, 1927. Serial No. 166,087. 11 Claims. (Cl. 254-3.)

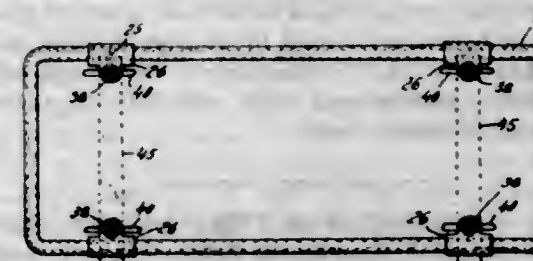
1. In combination, an upright tiltable frame, a carriage movable along the frame, power operated hoisting mechanism

for so moving the carriage, and automatically operating power throw out mechanism for cutting off the power



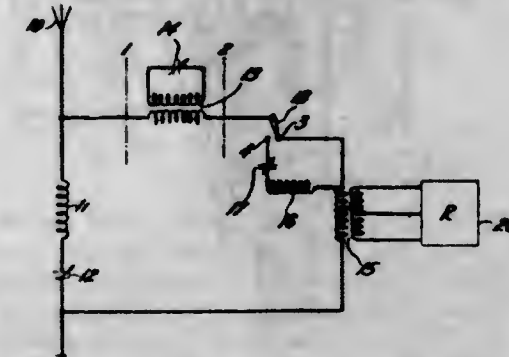
to the hoisting mechanism when the carriage has moved to a definite position relative to the frame irrespective of whether the frame is in upright or tilted position.

1,738,273. FRAME STRUCTURE FOR MOTOR-VEHICLE LICENSE PLATES. EMIL ANDERSON, Briarcliff Manor, N. Y., assignor of three-fourths to Olson Brothers Saw Manufacturing Company, a Corporation of New York. Filed Dec. 3, 1927. Serial No. 237,405. 4 Claims. (Cl. 40-125.)



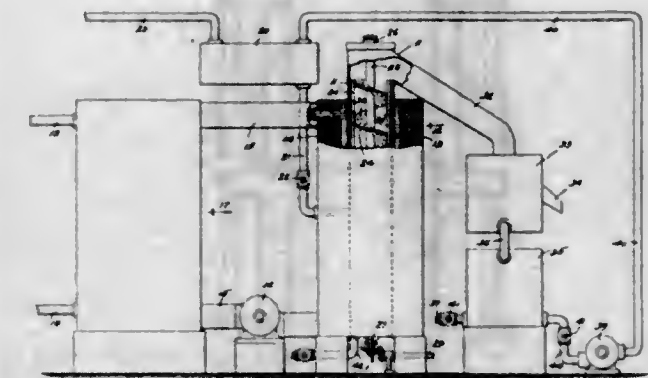
1. A frame for license plates comprising a strip of rubber having a groove for receiving the edge of the plate, a thickened wall portion in alignment with the plate, the ends of the strip being secured together, and relatively thin side wall portions spaced from the plate engaging edges of the frame, to facilitate bending the strip around the plate.

1,738,274. WAVE TRANSMISSION MEANS. SIDNEY E. ANDERSON, Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 15, 1925. Serial No. 2,477. 1 Claim. (Cl. 250-20.)



In a radio receiving system, the combination of an antenna, a series resonant path from said antenna to ground, a second path from said antenna to ground in shunt to said first path, a serially connected inductance and capacity arranged to be tuned to desired waves, in said second path, a switch for connecting said serially connected inductance and capacity in said second path, and a parallel resonant circuit tuned to the frequency of undesired waves and a receiving circuit, coupled to said second path.

1,738,275. COLD-MILK-DEHYDRATING PROCESS. ELBRIDGE BAKER, Pasadena, Calif., assignor of fifty-one per cent to G. Austin Haskell and P. C. Holland, Los Angeles, Calif. Filed Dec. 28, 1927. Serial No. 243,022. 5 Claims. (Cl. 90-5.)



3. A process for concentrating milk which comprises: placing said milk in a cooled receptacle; maintaining the temperature of said receptacle between the freezing point of water and the solidification point of the milk solids; and continuously removing the frozen water from the receptacle during the cooling operation until the ratio of milk solids is increased to the desired concentration.

1,738,276. STANDARD. FREEMAN BARNEY, Grand Haven, Mich., assignor to The Challenge Machinery Company, Grand Haven, Mich., a Corporation of Michigan. Filed July 25, 1927. Serial No. 208,372. 1 Claim. (Cl. 248-41.)

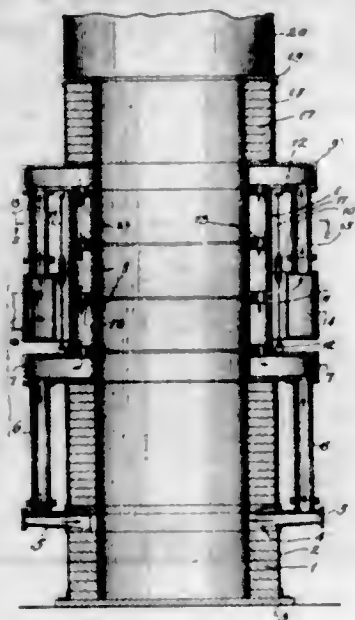


A standard comprising two members of identical shape each having a central web with a central vertical slot extending from one edge to the center thereof and a flange at one side of said slot, said flange having an opening and said web having an opening in alignment with said slot and means adapted to pass through the aligned openings whereby the two members may be inverted with respect to each other and telescoped together and said openings in the respective members will register for the purpose of inserting fastening bolts therethrough.

1,738,277. HOT-BLAST CUPOLA. CLARENCE D. BARR, Birmingham, Ala., assignor to American Cast Iron Pipe Co., Birmingham, Ala., a Corporation of Georgia. Filed Nov. 15, 1927. Serial No. 233,388. 8 Claims. (Cl. 266-14.)

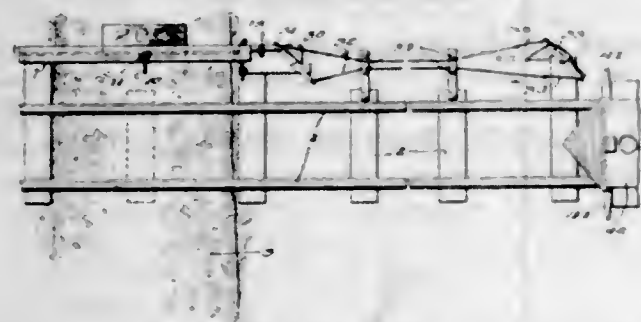
1. In cupola construction, a body composed of a plurality of hollow rings or chambers substantially rectangular in cross section arranged in superposed relation to present a substantially continuous inner circle, the lowermost cham-

ber having means to connect with the tuyères, and the uppermost having means to connect with an air compressor,



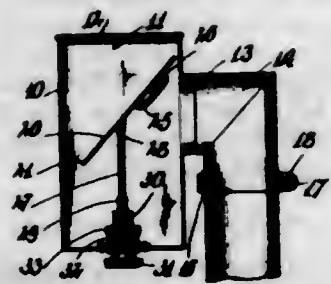
and a plurality of connections between each chamber and the adjacent chambers for enabling the circulation of air from the compressor to the tuyères.

1,738,278. MECHANICAL TRAIN SIGNAL. RICHARD E. BARRETT, Boykins, Va. Filed June 4, 1927. Serial No. 196,614. 6 Claims. (Cl. 246-293.)



1. A signal of the character described including a movable, visible signal, a disk operatively connected with said signal, a main control lever operatively connected with said disk for moving the signal into signalling position, a handle carried by the main control lever in position to be engaged by an arm on a locomotive for actuating the lever, resilient means for holding said handle in normal position, and a secondary lever operatively connected with the disk and extending into position to be actuated by the arm on the locomotive for releasing the signal.

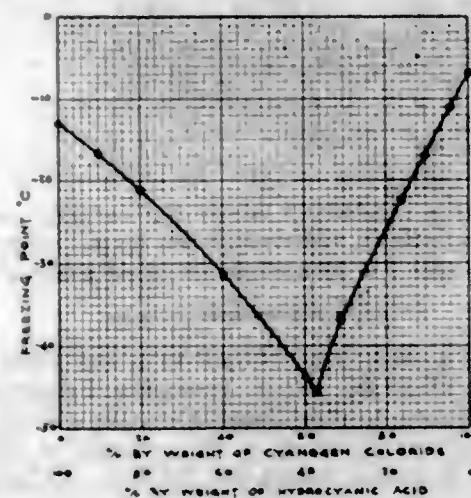
1,738,279. EXHAUST DEFLECTOR FOR TRACTORS. RICARDO BARRIES, Susanville, Calif. Filed June 16, 1927. Serial No. 199,286. 2 Claims. (Cl. 183-101.)



1. An exhaust deflector of the class described, comprising an exhaust receptacle having an inlet opening and a top exhaust opening, a deflector within the receptacle, and extending across the inlet opening at an inclination, a screen closing the said top exhaust opening, loop members formed at the sides near the top of the deflector to provide elongated apertures, a rod engaged thru the apertures and

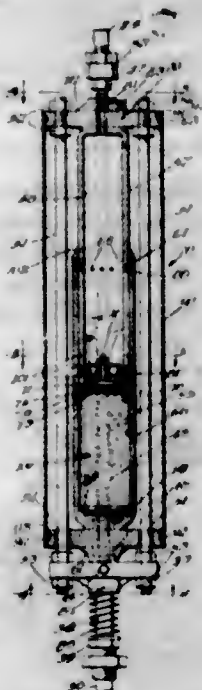
secured to the sides of the receptacles, a second rod pivotally attached at one of its ends to the said deflector, and extending downwardly therefrom, an adjusting member threadedly engaged to the bottom of the said second rod, and means for rotatively connecting the adjusting member with one side of the receptacle.

1,738,280. CYANOGEN-CHLORIDE HYDROCYANIC-ACID MIXTURE. GUY H. BUCHANAN, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed May 29, 1925. Serial No. 33,627. 6 Claims. (Cl. 167-35.)



6. A fumigant comprising a eutectic mixture of cyanogen chloride and hydrocyanic acid in the liquid state, containing approximately 61.4% cyanogen chloride and approximately 38.6% hydrocyanic acid, and having a freezing point of approximately -46°C .

1,738,281. UNLOADER FOR PUMP DRIVES. HERBERT E. BUCKLEN and HAROLD O. PUTT, Elkhart, Ind., assignors to said Herbert E. Bucklen, Elkhart, Ind. Filed Sept. 10, 1926. Serial No. 134,684. 11 Claims. (Cl. 74-48.)



9. In an unloader, a cylinder member, a hollow piston member projecting into the cylinder member and having a head at its end furthest in the cylinder member, a body of liquid disposed wholly within the cylinder, and a check-valved bypass in said head, said check valve having a relatively large diameter and relatively small lift, and a leakage passageway independent of said valve for permitting slow leakage of liquid trapped in the cylinder to relieve the pressure upon the check valve to permit it to open when the parts stand motionless.

1,738,282. CASEMENT-WINDOW ADJUSTER. DANIEL G. BETTS, Covington, La. Filed June 12, 1928. Serial No. 284,761. 6 Claims. (Cl. 292-275.)



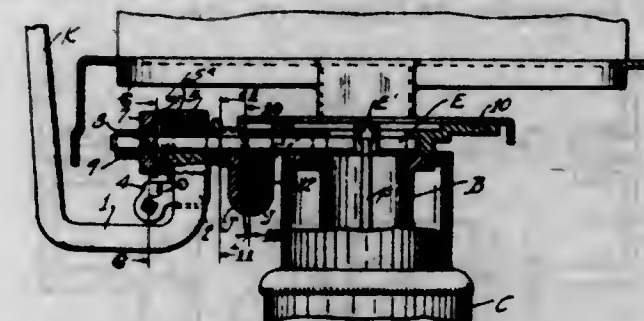
1. In a device of the character described, the combination of a pair of telescoping bars, a clamping yoke having a base portion with arms at opposite sides thereof embracing said telescoping bars, and a rotatable clamping member secured in said side arms, said clamping member having a camming surface adapted to clamp the telescoping bars against the base of said yoke.

1,738,283. TILE LOCK. CARL T. CARLSON, Erie, Pa., assignor to The Erie City Iron Works, Erie, Pa., a Corporation of Pennsylvania. Filed June 15, 1925. Serial No. 37,143. 6 Claims. (Cl. 110-98.)



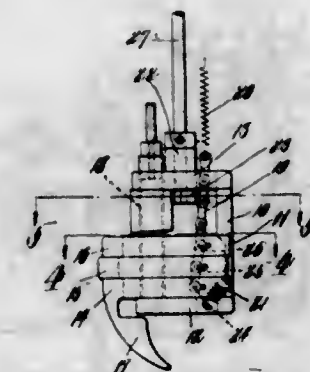
1. In a wall structure, the combination of a series of tubes; tile on the tubes; and a key member comprising a head engaging the tile, said head spanning the space between adjacent tubes and engaging the faces of adjacent tubes, a shank extending between the tubes, and a cross extension engaging the rear of the tubes, the extension and shank being thinner than the space between the tubes whereby the key member may be assembled by bringing the extension parallel with the tubes, passing it between the tubes and turning it to the rear of the tubes.

1,738,284. OPERATING AND CONTROLLING MECHANISM FOR HYDRAULIC BARBER CHAIRS. LIONEL A. CARTER, Webster Groves, Mo., assignor to Koken Companies, St. Louis, Mo., a Corporation of Delaware. Filed May 7, 1928. Serial No. 275,677. 6 Claims. (Cl. 155-25.)



5. In an hydraulic barber's chair of the type that comprises a vertically-movable stem and a reclining back, a reciprocating plunger for effecting the raising and lowering of said stem, a reclining bar and a cooperating clamp for holding the back in its adjusted position, a rock shaft operatively connected with said plunger, a handle for actuating said rock shaft to impart movement to the plunger, a shiftable bearing on said rock shaft on which said handle is pivotally mounted for swinging movement longitudinally of the rock shaft, a clutch for connecting said handle with said rock shaft, provided with means for causing said clutch to be rendered inoperative when said handle is rocked in one direction on its pivot, and means whereby an oscillatory movement of said handle after said clutch has been rendered inoperative, causes the reclining bar to be released from its clamp.

1,738,285. SHOE-IRONING TOOL. WILLIAM A. COPELAND, Boston, Mass., assignor to International Shoe Company, St. Louis, Mo., a Corporation of Delaware. Filed Dec. 9, 1925. Serial No. 74,379. 7 Claims. (Cl. 12-68.)



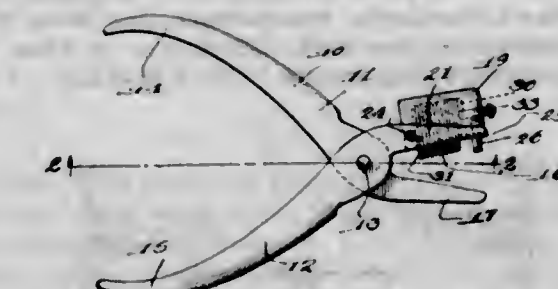
1. A treeing tool comprising a plurality of contiguous members each having a work-engaging face, each pair of successive members having mutually contacting faces, and means for heating said members.

1,738,286. AUTOMOBILE BUMPER. BERNARD W. P. COGHLEN, Montreal, Quebec, Canada. Filed Jan. 10, 1929. Serial No. 331,590. 3 Claims. (Cl. 293-55.)



3. In a bumper, a central connecting spring having its ends bent back on its middle portion and spread vertically.

1,738,287. ELECTRIC TESTING TOOL. CLARENCE A. DUKSEN, Dubuque, Iowa. Filed Aug. 3, 1927. Serial No. 210,320. 4 Claims. (Cl. 175-183.)

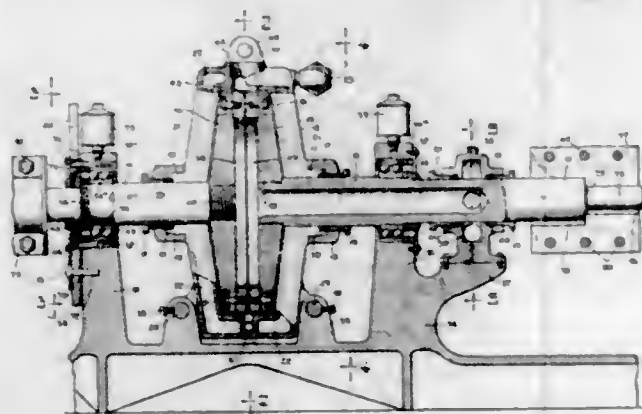


1. An electric circuit tester comprising a pair of members pivotally connected together intermediate their ends to provide jaw portions and handle portions, a block of insulating material attached to one jaw and having a recess therein, a plurality of pins arranged in said recess and slightly protruding from the block, and a set screw threaded in the block and engaging said pins so as to clamp the same between said set screw and the opposite end of the recess.

1,738,288. HOMOGENIZING MILL. WILLIAM EPPENBACH, College Point, N. Y., assignor to United States Colloid Mill Corporation, Long Island City, N. Y., a Corporation of Delaware. Filed July 19, 1927. Serial No. 206,969. 13 Claims. (Cl. 83-8.)

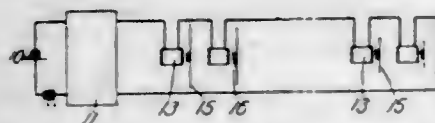
1. In a mill, the combination of a casing, a plurality of elements disposed in said casing and having co-operating surfaces adapted for emulsifying, grinding or homogenizing, shafts respectively for said elements, one of said shafts having a hollow portion extending to a region within said casing between said elements, means for rotatably mount-

ing said shafts in parallel relation in said casing, means for axially adjusting one of said shafts, means for leading the material to be treated to a region in said casing



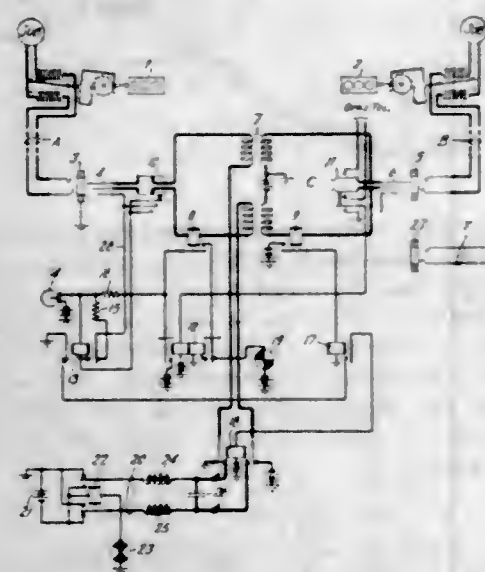
peripherally exteriorly of said elements, and means co-operating with said hollow shaft portion for the discharge of the treated material from said casing.

1,738,289. TACTILE RECEPTION OF SOUND. HARVEY FLETCHER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Filed May 19, 1926. Serial No. 110,099. 17 Claims. (Cl. 179-107.)



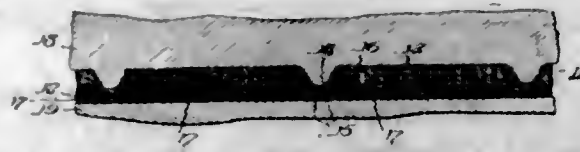
1. The method of perceiving and distinguishing sound waves which comprises utilizing sound waves to control the spacial stimulation of the tactile nerves.

1,738,290. TELEPHONE-EXCHANGE SYSTEM. CLARENCE B. FOWLER, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 17, 1928. Serial No. 247,277. 12 Claims. (Cl. 179-11.)



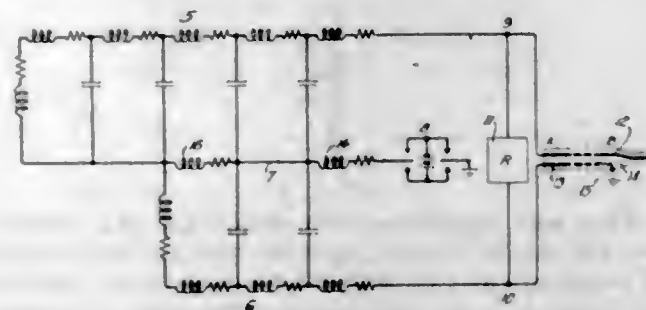
1. In a telephone system, a calling line and a number of called lines, means for interconnecting said calling line and any one of said called lines for conversation, a meter at the substation of the calling line, a device for repeatedly changing the flow of current in the calling line during conversation to actuate said meter, and means for rendering said device ineffective to discriminate between certain of said called lines.

1,738,291. FRICTION LINING AND METHOD OF FORMING SAME. THOMAS L. GATKE, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,728. 12 Claims. (Cl. 154-2.)



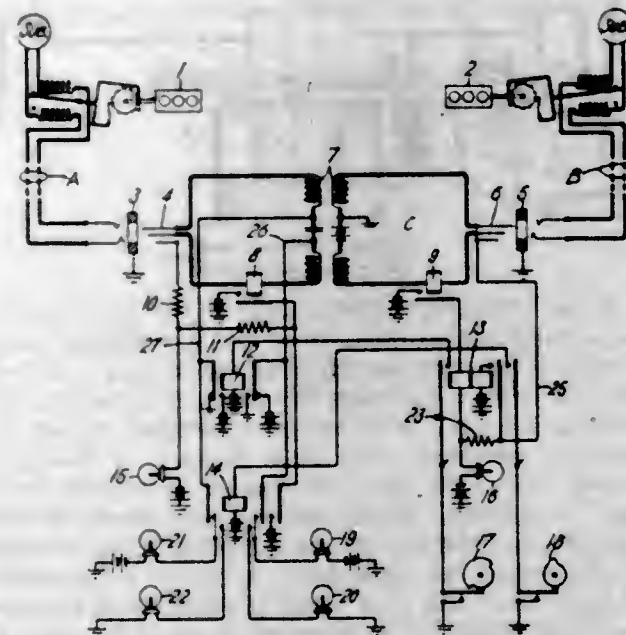
9. A method of forming friction linings for application to curved backing elements, which consists in moulding superposed layers of fabric impregnated with a mouldable friction material, in such a way that the layer nearest the friction face of the lining is placed under greater tension than the layer nearest the opposite face of the lining.

1,738,292. SUBMARINE DUPLEX TELEGRAPH SYSTEM. JOHN J. GILBERT, Douglaston, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1927. Serial No. 240,691. 6 Claims. (Cl. 178-63.)



1. In a submarine cable duplex signaling system, a Wheatstone bridge having for its impedance arms a signalling cable, a balanced sea earth return cable, and two artificial lines simulating said signalling cable and said sea earth return cable, respectively, and a mutual impedance connected between said artificial lines for balancing the coupling between said cables.

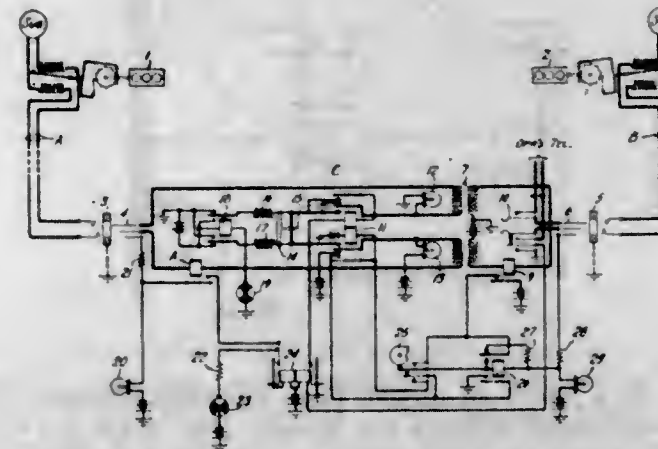
1,738,293. ELECTRICAL CONTROLLING DEVICE. JOHN W. GOODERHAM, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 17, 1928. Serial No. 247,309. 17 Claims. (Cl. 179-11.)



1. In combination, a telephone line, a meter therefor, a source for supplying current to said line, means for connecting said source in circuit with the line, means for al-

tering the connection of the supply source to said line to cause the operation of said meter, a variable resistance element for preventing sudden changes of current in said line, and means for putting said element into use prior to the alteration of said connection and for taking it out of use subsequent to said alteration.

1,738,294. TELEPHONE SYSTEM. JOHN W. GOODERHAM, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 17, 1928. Serial No. 247,310. 10 Claims. (Cl. 179-11.)



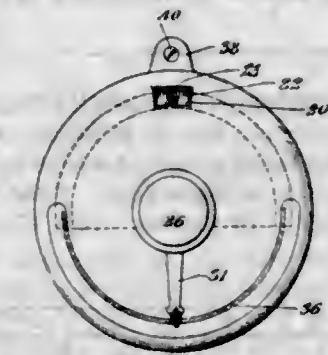
1. In a telephone system, a telephone line and a current operated device therefor, a source of current, means for connecting said source to and disconnecting it from said line, a mechanism for repeatedly changing the flow of current from said source to cause the operation of said device, and means for preventing the disconnection of said source from the line when said changing mechanism is in a given condition.

1,738,295. CUSHION FOR OFFICE FURNITURE. WILLIAM H. HARDY, Fort Worth, Tex. Filed Mar. 2, 1927. Serial No. 172,083. 1 Claim. (Cl. 45-137.)



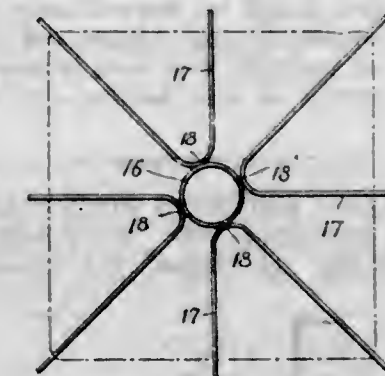
A cushion for office furniture consisting of an elongated approximately semi-tubular member whose edges merge into coacting jaws, longitudinally extending ribs on the inner opposite surfaces of the jaws near their junction with said member, adapted to engage the surfaces of a round object encompassed by the member, and oppositely disposed projecting parallel ribs on the jaws near their edges adapted to contact with a part projecting from the part of the structure engaged by the first mentioned ribs.

1,738,296. DIAL CONTROL. HAROLD R. HAYDEN, Brooklyn, N. Y., assignor of one-half to Abraham E. Van Doren. Original application filed June 3, 1927, Serial No. 196,244. Divided and this application filed Sept. 26, 1928. Serial No. 309,282. 10 Claims. (Cl. 116-124.4.)



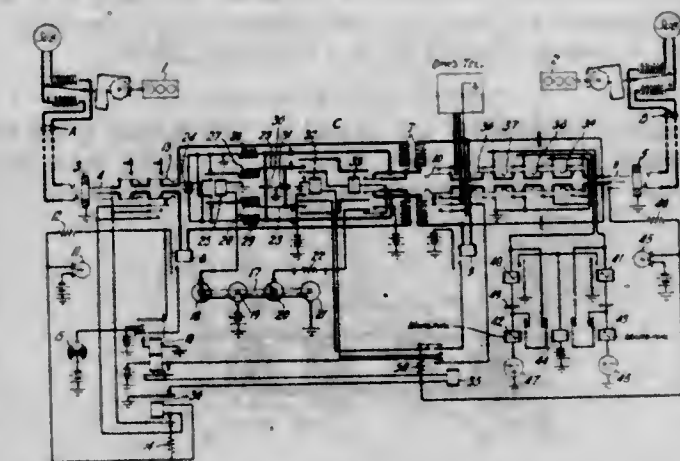
1. A dial control comprising a stationary plate, a rotary member mounted in said plate, a pointer secured to said member and movable over said plate and a band of luminous material on said plate, located behind said pointer.

1,738,297. GRID. RUDOLPH HOFFMAN, Cleveland, Ohio. Filed Oct. 26, 1925. Serial No. 64,743. 6 Claims. (Cl. 126-214.)



1. A grate formed of four uniform U-shaped members symmetrically arranged about a central opening with their base portions connected together, each of said members being formed from a bar of substantially rectangular cross-section.

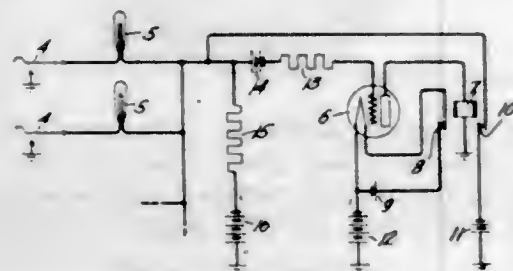
1,738,298. TELEPHONE SYSTEM. LEWIS H. JOHNSON, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 17, 1928. Serial No. 247,275. 20 Claims. (Cl. 179-11.)



1. In a telephone system, a subscriber's line, a counting device for said line, connecting circuits for establishing talking connections with said line, a source of current, a supply circuit common to the connecting circuits for feed-

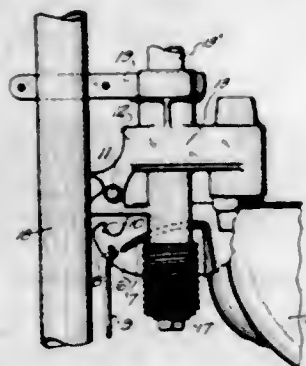
ing currents from said source to said connecting circuits, means responsive to the establishment of a talking connection over one of the connecting circuits for connecting the supply circuit to such connecting circuit, means repeatedly reversing the direction of current flow in the supply circuit, and means responsive to such reversals during the conversational period for operating said counting device.

1,738,299. INTERMITTENTLY-OPERATED SIGNALING DEVICE. LINDLEY A. KILLE, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1926. Serial No. 151,626. 10 Claims. (Cl. 175-873.)



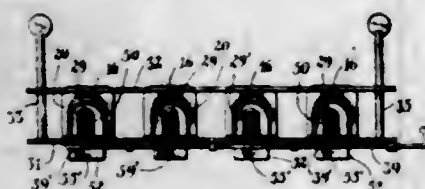
7. The combination with an electron discharge device having a cathode, an anode, and an impedance control element, an input circuit, an output circuit and a heating circuit for said cathode, of a source of potential, and a relay in said output circuit for intermittently varying the heating current applied to said cathode and for associating said source of potential with said impedance control element when current in said heating circuit is at its minimum value.

1,738,300. ANIMAL DRINKING FOUNTAIN. AUGUST F. KLINZING, Milwaukee, Wis. Filed Sept. 13, 1926. Serial No. 135,165. 11 Claims. (Cl. 119-75.)



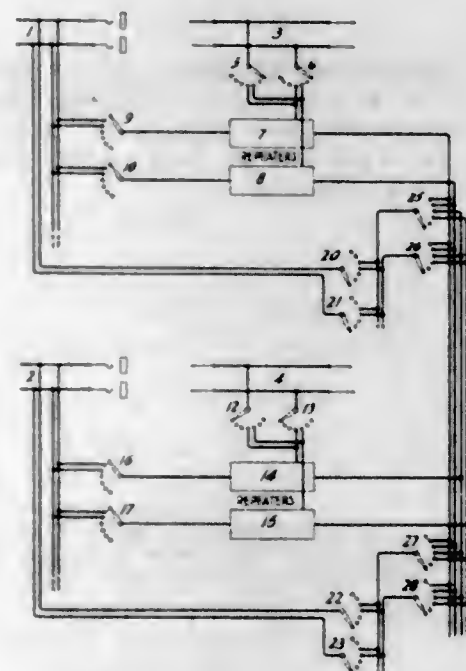
1. An animal drinking fountain, comprising a fitting, a bowl non-removably associated therewith, and pivotal means permitting lowering the bowl and retaining it in a tilted position for cleaning, and also permitting circumferential movement of the bowl in a horizontal plane.

1,738,301. METHOD OF MAKING SAUSAGE ROLLS. HARRY KORNREICH, New York, N. Y. Filed Mar. 10, 1928. Serial No. 260,559. 9 Claims. (Cl. 53-6.)



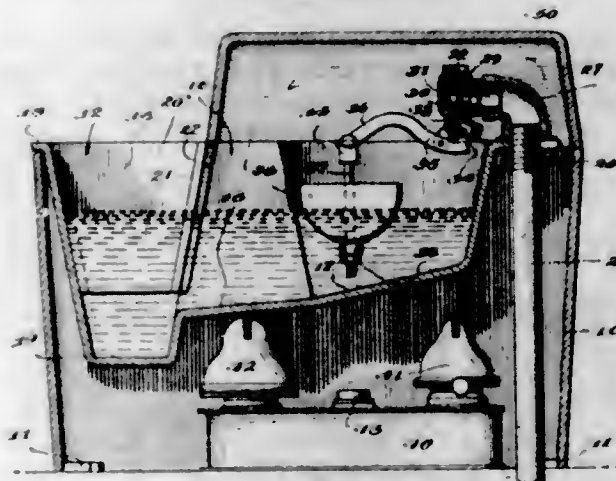
1. As a means of making a sausage roll of the class described, a mold comprising a cover, a plate adapted to enclose the open end and two ends of the said cover, a means of removably attaching the said cover to the said plate and a means for loosening dough from the device.

1,738,302. TELEPHONE SYSTEM. JOSEPH A. KRECEK, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 28, 1926. Serial No. 132,105. 16 Claims. (Cl. 179-27.)



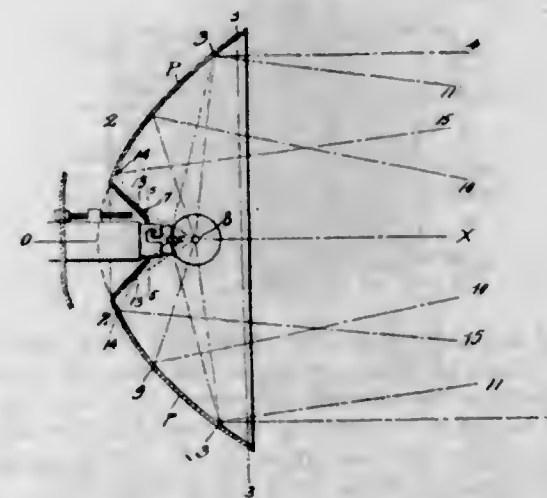
1. In a telephone system, lines, repeaters arranged for interconnection between two of said lines, means for designating said two lines, means to designate a repeater for selection, line selecting apparatus individual to said repeaters, repeater selecting apparatus individual to said lines, and means for actuating line selecting apparatus in response to the designation of a repeater and repeater selecting apparatus in response to the designation of a line to interconnect said repeater between two of said lines.

1,738,303. STOCK-WATERING FOUNTAIN. JACOB M. KRUMM, Newhall, Iowa. Filed Sept. 29, 1925. Serial No. 59,316. 6 Claims. (Cl. 119-73.)



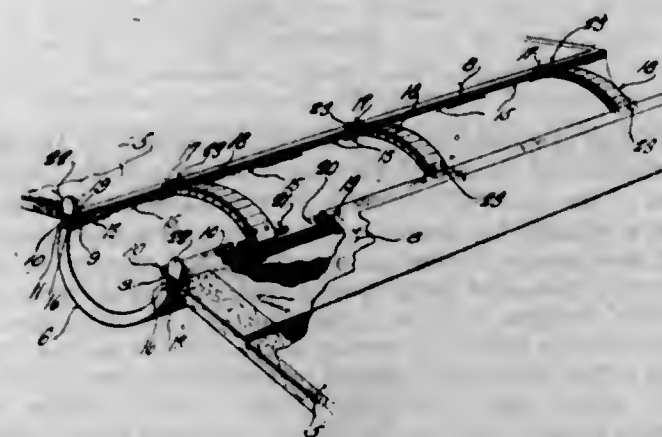
1. A stock watering fountain comprising a casing, a water chamber positioned in said casing and supported thereby, a drinking trough formed in one end of said water compartment, a water supply compartment formed in the opposite end of said chamber, said chamber having a restricted passageway formed therein for communicating said water supply compartment with said trough, said restricted passageway being substantially V-shape in vertical cross section to be reduced in size at its lower portion, a partition arranged in said drinking trough, a plate arranged upon one end of said partition and extending adjacent the lower portion of the restricted passageway for closing the upper portion of said restricted passageway from communication with the upper portion of the trough.

1,738,304. REFLECTOR FOR AUTOMOBILE HEADLIGHTS. LOUIS C. LAURENT, Denver, Colo. Filed July 20, 1926. Serial No. 123,632. 2 Claims. (Cl. 240-41.)



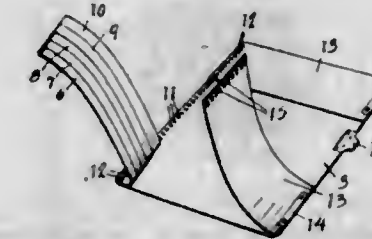
1. A headlight comprising a reflector having a continuous reflecting surface consisting of a parabolic zone and a forwardly projecting truncated cone whose axis coincides with the axis of the parabolic reflector and whose vertex coincides with the focal point of the latter, and a source of light located within the reflector in front of the focal point.

1,738,305. LOOSE-LEAF BINDER. ADOLPH G. LOTTER, Milwaukee, Wis., assignor to H. C. Miller Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 23, 1928. Serial No. 256,371. 3 Claims. (Cl. 129-24.)



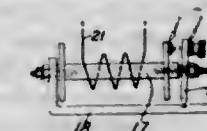
1. In a loose leaf binder of the character described, a back, covers, plate members carried by the covers, the inner ends of the plate members being folded upon themselves to provide a tubular portion, the inner edge of which is cut away at intervals to provide openings, substantially flexible binder posts having their ends provided with loops which extend into the tubular portion of the plate members through the openings, means positioned within the tubular portion of the plate members for releasably connecting the post members therewith, and means carried by the plate members for hingedly connecting the covers with the back.

1,738,306. STEPPED-SHEET BINDER INDEX. HARVEY J. MAHRER, Kalamazoo, Mich., assignor to Remington Rand, Inc., Wilmington, Del. Filed Oct. 5, 1927. Serial No. 224,147. 5 Claims. (Cl. 129-1.)



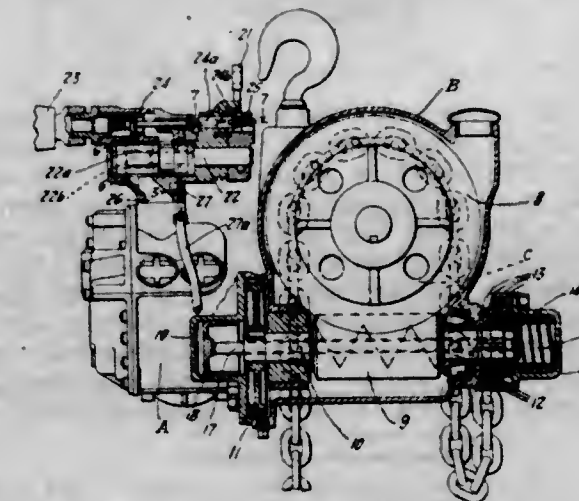
5. An index sheet for use in combination with sheets arranged in stepped overlapping relation provided with a plurality of filler strips of varying width disposed in superimposed relation at the top and bottom, and cover strips for said superimposed strips at the top and bottom secured at one end to said index sheet.

1,738,307. METALLIC ELEMENT. LOUIS W. MCKEEHAN, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 11, 1927. Serial No. 182,973. 10 Claims. (Cl. 148-13.)



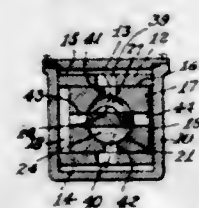
1. A process for growing large crystals in a material the structure of which changes from one type of crystal to another at a temperature well below its melting point, which process comprises establishing a steep temperature gradient in the material such that at a certain position within the region of said temperature gradient the material is at a temperature at which said change in crystal structure occurs, and causing the region of steep temperature gradient to move through the material at a rate not greater than the rate of growth of the crystals which are stable below said temperature.

1,738,308. BRAKE APPARATUS. LEON F. MEUNIER, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 8, 1928. Serial No. 259,986. 11 Claims. (Cl. 254-168.)



1. In hoisting apparatus having a drum, a shaft for operating said drum, braking means for said drum, and a control member for said braking means extending longitudinally of said shaft and substantially within a projection of the latter.

1,738,309. PUMP. WILLIAM NELSON, Minneapolis, Minn. Filed Nov. 5, 1927. Serial No. 231,195. 8 Claims. (Cl. 103-163.)



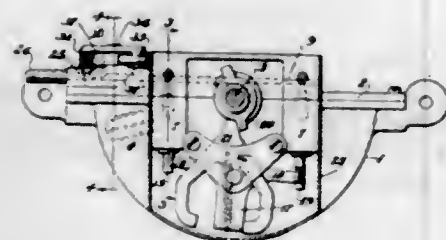
1. A pump comprising a casing, a plurality of telescoping related cylindrical pistons mounted in the casing and forming a plurality of chambers, a shaft extending through the pistons and carrying an eccentric for operating the pistons, the parts being formed with ports and passages providing inlet and outlet from the chambers.

1,738,310. SYNTHETIC RESIN AND PROCESS FOR MAKING SAME. EMIL E. NOVOTNY, Philadelphia, Pa., and CHARLES J. ROMIEUX, West Philadelphia, Pa., assignors to John Stoddell Stokes, Huntingdon Valley P. O., Pa. Filed Sept. 20, 1923. Serial No. 663,910. 11 Claims. (Cl. 200-2.)

1. The herein described method which comprises subjecting a resin-forming mixture including a phenol to a boiling action until water separates from the mass, separating resin forming ingredients from said water, returning the resin forming ingredients to the zone of reaction and rejecting the synthetic water as formed.

5. The herein described method of producing a condensation product which comprises subjecting a mixture of substantially equimolecular proportions of phenol and benzaldehyde to the action of heat to form a condensation product and eliminating the water from the reaction mass as it is formed.

1,738,311. AUTOMATIC WINDSHIELD CLEANER. JOHN R. OISHEI and HENRY HUEBER, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y. Filed Aug. 7, 1926. Serial No. 127,943. 12 Claims. (Cl. 121-97.)

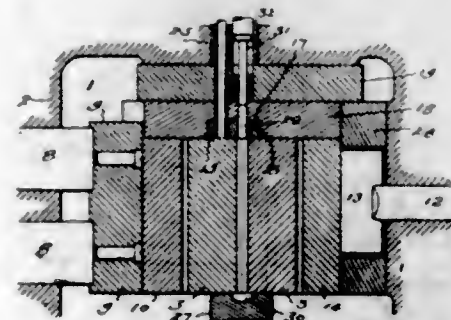


1. A fluid pressure operated windshield cleaner comprising a casing, a shaft journaled therein, a piston fixed on the shaft and operable in the casing, a wiper rockable by the shaft, valve mechanism controlled from the shaft for operatively admitting fluid pressure to the casing on opposite sides of the piston, a valve seat formed on the casing and having one port connected to said valve mechanism and a second port communicating directly with the interior of the casing at one side of the piston, and a manual valve operable on the valve seat for selectively connecting either port with a source of operating suction.

1,738,312. HEADING MACHINE. JOHN E. PRACNY, Waterbury, Conn., assignor to The E. J. Manville Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 24, 1928. Serial No. 249,104. 7 Claims. (Cl. 10-16.)

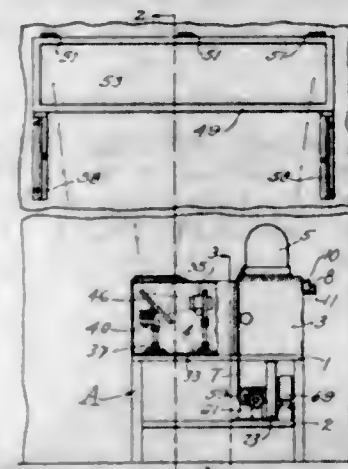
1. A heading machine having a die pocket, a solid cutting die and a solid extruding die fixed in said pocket, and

dies adapted to be opened and closed and moved transversely in the pocket, means for feeding stock through the cutting die and movable dies, mechanism for moving said movable dies across the face of the cutting die and severing a length of the stock and carrying it into line with the extruding die, a reciprocating punch in line with the



extruding die and adapted to strike the stock held by the movable dies and drive its inner end into the extruding die, mechanism for ejecting the stock from the extruding die, and means for returning the movable dies into line with the cutting die and allowing the incoming stock to eject the completed blank from the movable dies.

1,738,313. STOCK-QUOTATION-PROJECTING MACHINE. BARTON A. PROCTOR, New York, N. Y., assignor, by mesne assignments, to News Projection Corporation, New York, N. Y., a Corporation of New York. Filed July 18, 1925. Serial No. 44,447. 18 Claims. (Cl. 88-24.)

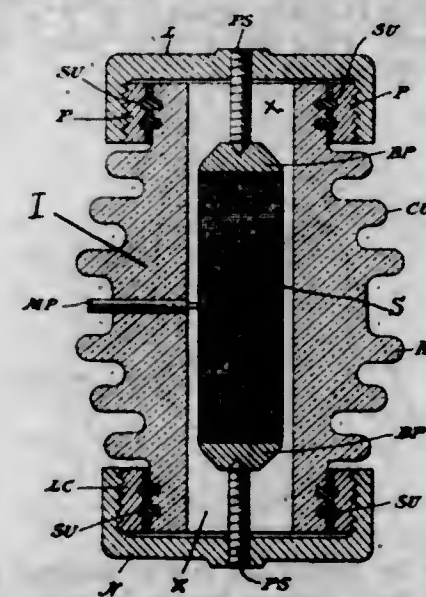


1. The combination with a strip composed of translucent material having characters thereon reading lengthwise of the strip, of an image receiving projecting lens, a source of light for projecting light rays through said strip and said image receiving lens to project images of the characters on said strip to said lens, an initial image deflecting surface to receive the images from said lens, a second image deflecting surface separated and spaced from said initial deflecting surface to receive the images from said initial deflecting surface, and an image receiving screen to receive the images from said second image deflecting surface, the plane of said strip being perpendicular to the plane of said screen, and said screen located in a plane that is perpendicular to the plane of said initial deflecting surface and disposed at an angle to the plane of said second deflecting surface.

1,738,314. ELECTRICAL CONDENSER. JOHN A. PROCTOR, Lexington, and WILLIAM M. BAILEY, Lynn, Mass., assignors to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Original application filed Jan. 23, 1925. Serial No. 4,150. Divided and this application filed June 14, 1926. Serial No. 115,716. 6 Claims. (Cl. 175-41.)

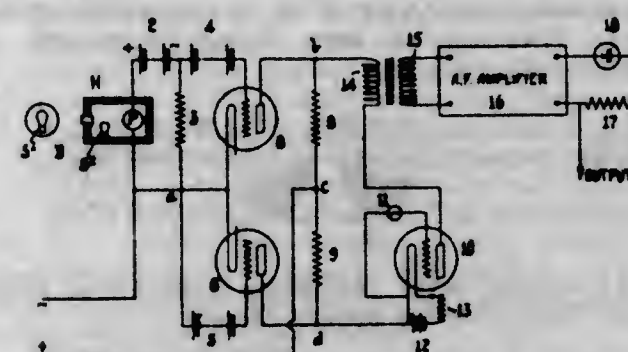
1. The combination with an electrical condenser stack, of a porcelain casing therefor having opposite end open-

ings; a metal clamping terminal closing one end of the casing; a metal collar secured to the outside of the casing at its other end; and a metal cover closing the said other



end of the casing, secured to said collar, and transmitting stack compression strains to the casing as a tension member.

1,738,315. PHOTO-AMPLIFYING SYSTEM. RICHARD HOWLAND RANGER, Newark, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Nov. 18, 1924. Serial No. 750,514. 10 Claims. (Cl. 178-0.)



1. A method of converting fluctuations of light intensity into fluctuations of potential by means of a photo electric cell which comprises projecting, upon said cell, light of a substantially constant intensity such as to cause said cell to operate at a predetermined point on its characteristic, and projecting thereon in addition light of varying intensity desired to be converted into fluctuations of potential.

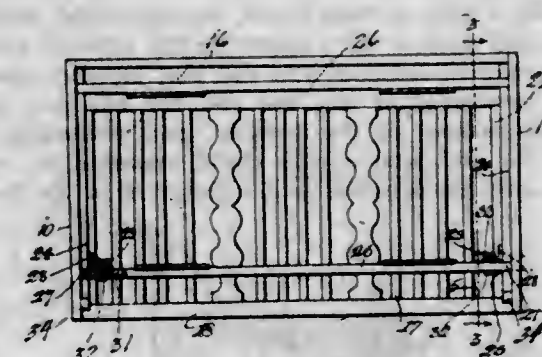
1,738,316. ROPE MARKER. JAMES B. REBER, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a Corporation of New York. Filed May 8, 1928. Serial No. 276,080. 6 Claims. (Cl. 40-2.2.)



1. A rope marker consisting of an elongated pliant member laid in a depression formed in the surface of the rope by two of the twisted elements constituting said rope, said marker being maintained in said depression by having a portion thereof pinched between said elements.

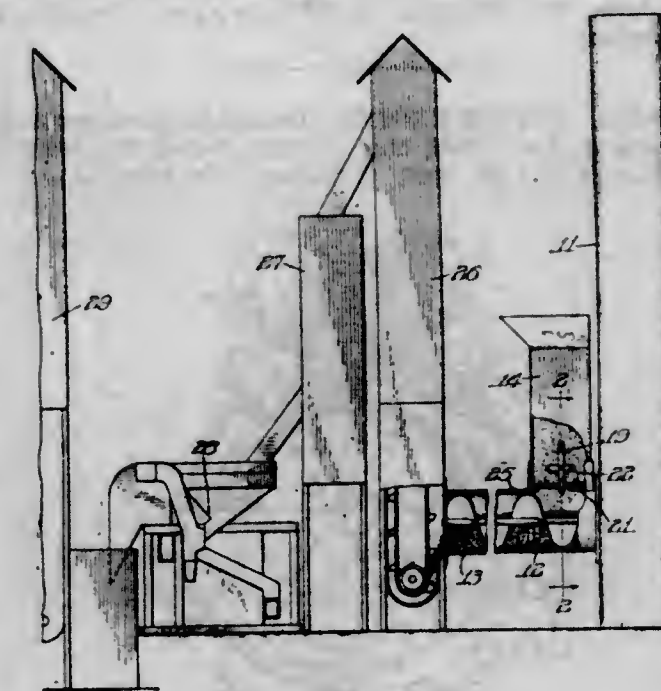
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1,738,317. KNOCKDOWN CRIB. FRANK S. RECE, Dallas, Tex. Filed Apr. 30, 1926. Serial No. 105,688. 4 Claims. (Cl. 5-99.)



2. In a knockdown crib, a pair of end sections, a side section rigidly connecting the end sections and removably attached thereto to form three connected sections with an open front, a sill upon the lower portion of the inner side of the end sections and having seats, an independent front bar having its ends engaging in said seats and abutting the sills and end sections, and fastening devices detachably connecting the inner face of the sills and the front bottom bar.

1,738,318. PURIFYING FOOD PRODUCTS. EARL H. REYNOLDS, Chicago, Ill., assignor to Reynolds Bleacher Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1917. Serial No. 208,601. Renewed Apr. 17, 1925. 3 Claims. (Cl. 83-28.)

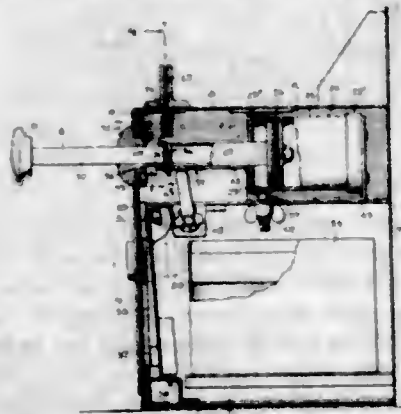


1. The process of neutralizing surface acidity of grain which consists in: applying dry lime in the form of a finely comminuted powder to the grain while it is in dry state; storing the mixture of lime and grain while it is in dry state until the neutralizing action is completed; and then removing the excess lime from the grain, substantially as specified.

1,738,319. LIQUID-DISPENSING MACHINE. FRED T. ROBERT, New York, N. Y., assignor of one-half to Florence Hoyt Robert, New York, N. Y. Filed Aug. 1, 1925. Serial No. 47,428. 3 Claims. (Cl. 194-82.)

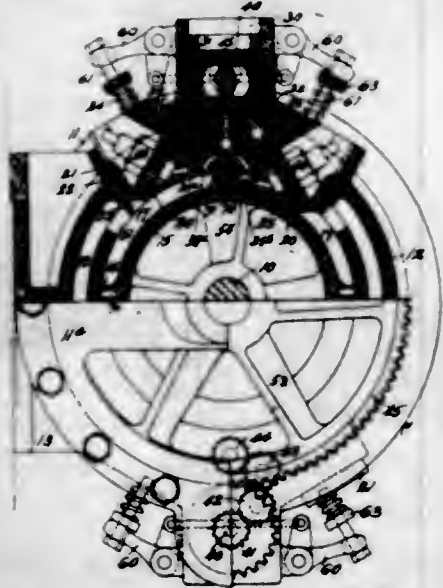
1. In a vending machine for dispensing liquids, a pneumatic actuating means including a hollow reciprocable operating member, a coin receiving block fixed to the for-

ward end of said member, a manually operable rod arranged for telescopic movement within said hollow member in the absence of a coin in said block and for operative connection to said member in the presence and through the medium of a coin in said block, complementary means on said rod and member for permitting the relative and telescopic movement between the rod and member upon the forward movement of the rod and for effecting the retracting movement of the member upon retracting movement of the rod, and a coin chute arranged to register with the coin block when said member is in its fully re-



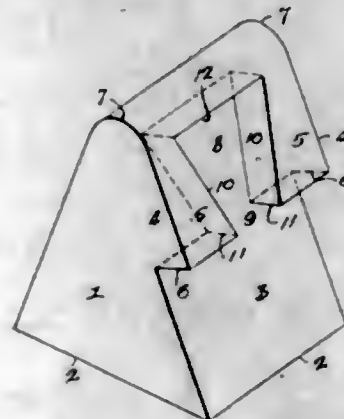
tracted position, the lower end of the coin chute being disposed relatively to said rod so that the rod forms a stop for a deposited coin when the rod is in a non-retracted position and the rod being arranged for communication with the coin receiving block so that the coin rides on the rod and drops into the block as the rod is moved to its retracted position, and spaced guides extending from the bottom of the coin block to support a coin of proper size in front of the plunger and during active movement thereof, the guides being interrupted at their inward ends to permit downward discharge of the coin upon retraction of the plunger.

1,738,320. ROTARY ENGINE. DANIEL M. ROTHENBERGER, Leesport, Pa. Filed May 9, 1921, Serial No. 467,790. Renewed July 21, 1928. 2 Claims. (Cl. 123-14.)



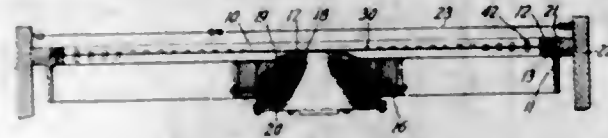
2. In a rotary engine comprising a single shaft provided with a series of cooperating concentric rotors, and an enclosing cylinder having corresponding series of annular chambers; a compressor plunger chamber for each of said annular chambers having a valve controlled inlet port thereto and a branched delivery port therefrom adapted to communicate with the adjacent annular chamber on opposite sides of a rotor piston when said piston is positioned midway said delivery port; a control valve for the branched port of each compressor chamber comprising independently operable concentric tubes having determinedly positioned feed apertures; and sliding abutments positioned on opposite sides of said branched port and either of which is adapted to be held in inoperative position as determined by the desired direction of rotation.

1,738,321. MEANS FOR TESTING THE FLUX OF MATERIALS UNDER HEAT. CORNELIUS J. RUKENBROD, Princeton, N. J., assignor to The Electric Porcelain and Manufacturing Company, Trenton, N. J., a Corporation of New Jersey. Filed May 4, 1926. Serial No. 106,776. 9 Claims. (Cl. 73-32.)



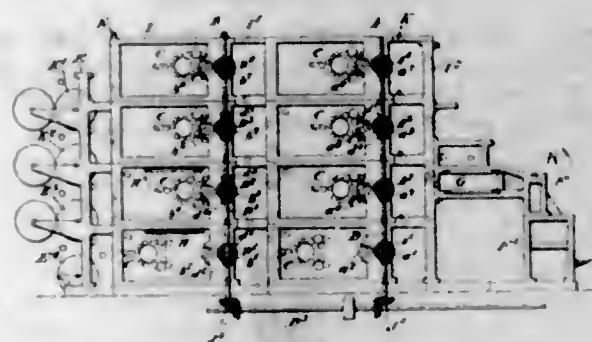
1. A device for testing the flux of material under heat comprising a body portion having a cavity of definite capacity and an outlet of definite area for said cavity and an exposed material supporting wall underlying and immediately adjacent to said outlet, against which the material bears as it flows from said outlet whereby the extent of flow from said outlet may be accurately measured on said wall.

1,738,322. ACOUSTIC DEVICE. VESPER A. SCHLENER, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1927. Serial No. 213,462. 15 Claims. (Cl. 181-31.)



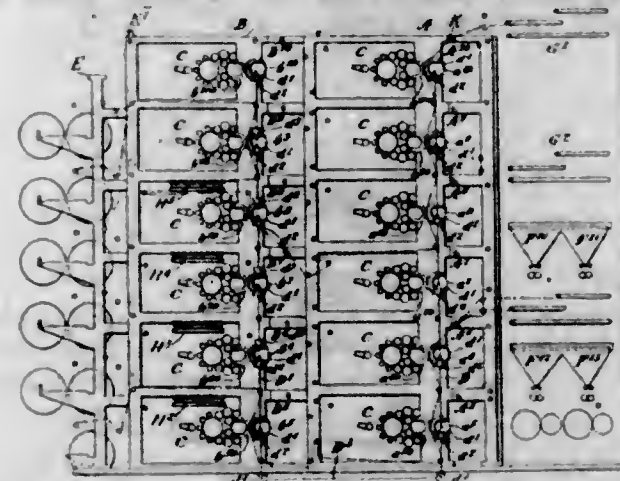
1. An acoustic device comprising a diaphragm having tapered lumped loading applied thereto.

1,738,323. MULTICOLOR-PRINTING PRESS. DAVID J. SCOTT, Plainfield, N. J., assignor to Isabella Scott and David J. Scott executors of the estate of Walter Scott, deceased, doing business under the name of Walter Scott & Company, Plainfield, N. J. Filed Dec. 30, 1926. Serial No. 158,052. 180 Claims. (Cl. 270-8.)



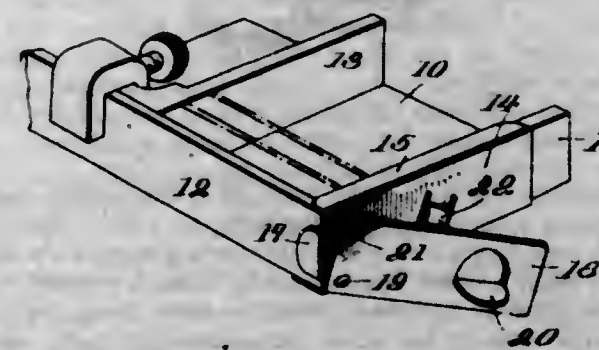
1. A printing machine including: a plurality of printing couples, each couple including an impression and a design cylinder, said couples arranged in two sets, spaced apart, with a plurality of couples in each set, the impression cylinders of all the couples of both sets facing in the same direction, and guides to direct a web or each of a plurality of superposed webs through one or more couples of one set and thereafter, without reversal of the web or webs between sets, through one or more couples of the other set to thereby print and perfect the web or the plurality of webs in one or more colors.

1,738,324. MULTICOLOR-PRINTING PRESS. DAVID J. SCOTT, Plainfield, N. J., assignor to Isabella Scott and David J. Scott, executors of the estate of Walter Scott, deceased, doing business as Walter Scott & Company, Plainfield, N. J. Original application filed Dec. 30, 1926, Serial No. 158,052. Divided and this application filed Oct. 2, 1928. Serial No. 309,862. 17 Claims. (Cl. 270-5.)



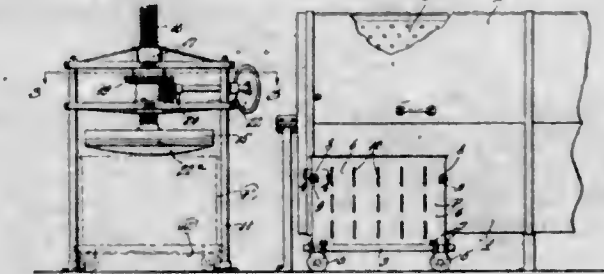
1. A printing machine including: a plurality of printing couples, each couple including an impression and a design cylinder, said couples arranged in a first set and a second set with a plurality of couples in each set, guides to direct a web or each of a plurality of webs through one or more couples of the first set and thereafter through one or more couples of the second set to thereby print and perfect the web or webs in one or more colors, means to bring into variably superimposed relation products from opposite ends of the couples of the first set before the webs reach the couples of the second set, additional printing couples, to print and perfect one or more other webs in one or more colors, arranged with their cylinders endwise of cylinders of the first-mentioned couples, and other means to bring into variably superimposed relation products from opposite ends of the couples of the two sets and to combine products of the couples of the two sets with products of the additional printing couples.

1,738,325. COMPOSING-STICK ATTACHMENT. GEORGE E. SHELTON, Phillipsburg, Pa. Filed Dec. 20, 1927, Serial No. 241,290. Renewed Apr. 29, 1929. 4 Claims. (Cl. 276-38.)



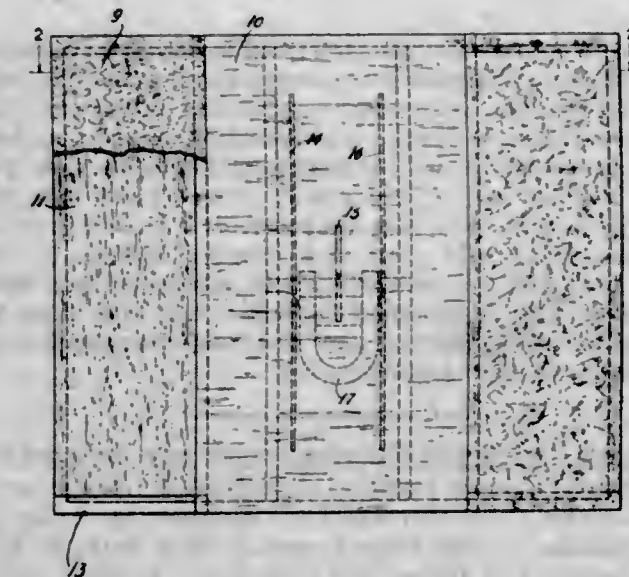
1. A composing stick attachment comprising a body portion adapted to be attached to the composing stick, said body portion having a tongue projecting out of its plane, and a support portion pivoted to said body portion, said support portion having a part thereof bent out of plane to establish a frictional relationship with said body portion to maintain the portions at a given position with respect to each other so that said portions may hold the stick in an inclined position, the upper edge of said support portion being adapted to engage said tongue to prevent a further closing pivotal movement of said portions with respect to each other under the weight of the type in said stick.

1,738,326. LAUNDERING APPARATUS. LEONARD S. SMITH, Cincinnati, Ohio, assignor of one-half to Leonard S. Smith, Jr., Cincinnati, Ohio; Leonard S. Smith, Jr., executor of Leonard S. Smith, deceased. Filed Feb. 23, 1924. Serial No. 664,613. 4 Claims. (Cl. 100-44.)



1. Apparatus for expelling liquid from fabrics and the like, comprising a container for a batch of material, a pressing head movable in said container for preliminarily pressing the liquid from the batch, an expandable device within said container and in contact with the material therein, and means for expanding said device.

1,738,327. VIBRATION DEVICE. EDWIN H. SMYTHE, Evanston, Ill., and CLARENCE E. LANE, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1927. Serial No. 179,453. 21 Claims. (Cl. 181-32.)

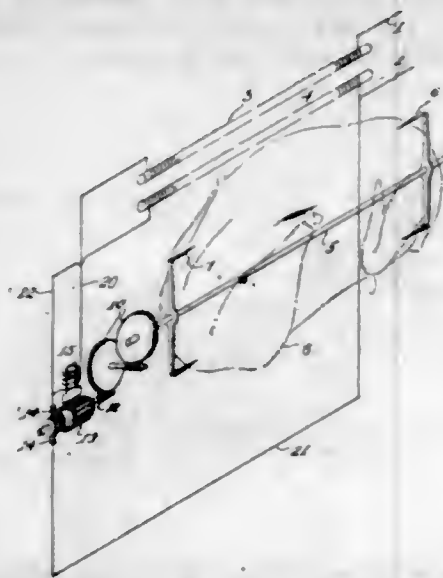


1. A vibration device, in which the mass increases and the stiffness simultaneously decreases at a point on a line extending in the direction of propagation of vibration in said device.

1,738,328. ELECTRICALLY-OPERATED ROASTING SPIT. MILTON H. SPIELMAN, Shaker Heights Village, Ohio, assignor to Born Steel Range Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 13, 1926. Serial No. 87,997. Renewed May 2, 1929. 8 Claims. (Cl. 219-20.)

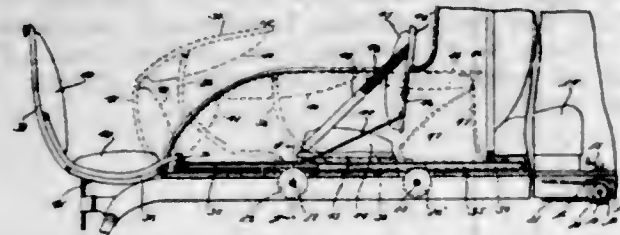
2. In a device of the character described, the combination of heating coils, service lines leading thereto, a carrier for the material to be heated, a motor for driving the carrier, the field of the motor being included in the circuit with all the heating coils, and the armature being

shunted across a lesser number of the heating coils, whereby the current supply to the armature is cut down and



whereby the motor tends to run at a constant speed under varying loads, the carrier and heaters being so related that the heater may heat material carried by the carrier.

1,738,329. VEHICLE BODY CONSTRUCTION. HOMER STACKS, Detroit Mich. Filed Jan. 17, 1929. Serial No. 333,067. 4 Claims. (Cl. 296-66.)

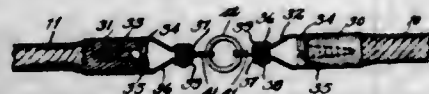


1. A device of the class described comprising: a vehicle body having a rearward projecting portion provided with a cavity therein; a forward seat forming portion mounted stationary in said cavity; a swingably mounted seat back forming portion in inoperative position; a rack bar; means for connecting said seat back forming portion to said rack bar; and means for moving said rack bar longitudinally, the longitudinal movement of said rack bar in one direction moving said seat back forming portion to upright operative position.

1,738,330. PROCESS OF TREATING AND PURIFYING HYDROCARBON LUBRICATING OILS. WILLIAM M. STRATFORD, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a Corporation of Delaware. Filed June 14, 1926. Serial No. 116,017. 4 Claims. (Cl. 196-35.)

1. The process of treating and purifying petroleum lubricating oil which comprises agitating the oil with concentrated sulfuric acid at normal temperatures, separating the bulk of the acid and the sludge products of the reaction, substantially neutralizing the acid-treated oil and then distilling the oil under a subatmospheric pressure in the presence of an alkaline material.

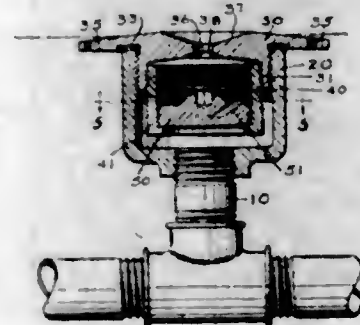
1,738,331. ROPE-SPLICING DEVICE. JULIAN STRZYCZKOWSKI, New York, N. Y. Filed May 6, 1927. Serial No. 189,255. 5 Claims. (Cl. 24-123.)



1. Rope splicer comprising a pair of screws, each adapted to be engaged in a rope end, caps having openings in their

apexes for the passage of said screws, said caps adapted to be drawn over the ends of the ropes to be spliced and to be firmly held thereon, rings formed at the outer ends of said screws, and a ring for connecting the rings at the outer screw ends.

1,738,332. SPRINKLER HEAD. WILLARD A. SUTFIN, South Euclid, Ohio. Filed Oct. 12, 1926. Serial No. 141,077. 6 Claims. (Cl. 299-119.)



1. The combination of an internally threaded casing having an inlet, a cover plate having an outlet and having an externally threaded skirt screwing into the casing, said skirt having also internal threads, an external threaded sleeve screwing into the skirt and depending to a greater depth to leave an annular space between the casing and sleeve near the lower end of the sleeve, said sleeve being open at its top and also near its bottom, said sleeve also having internal threads, an externally threaded plug screwing into the sleeve, said plug having an oblique opening through it, the lower portion of said sleeve being provided with one or more tangential openings positioned so that the upper face of the plug may be adjusted to a position below the upper portion of the openings whereby the upper portions may be closed or uncovered by the plug.

1,738,333. JEWELRY BOX. STANLEY SZYMANSKI, Jersey City, N. J. Filed July 19, 1927. Serial No. 206,909. 1 Claim. (Cl. 206-76.)

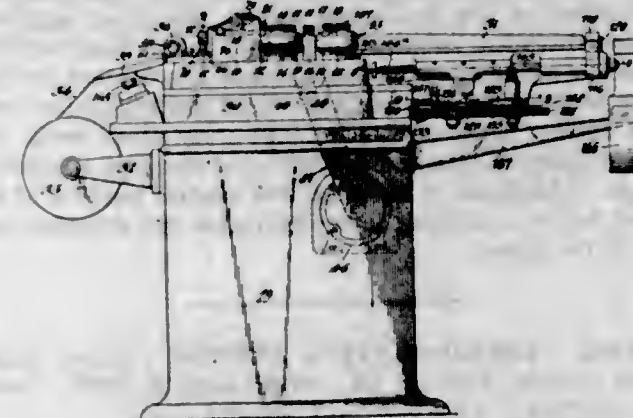


A jewelry display box in form of a diminutive booklet comprising a frame-like wooden body, an outer cover plate for the same having its margin projecting beyond the edges of said body, a cover flap integrally made with said cover plate adapted to be folded upon the body along the inner rear edge thereof, an inner lining for said body, means holding the lining in place, and a pad on the inside of said cover flap having a pocket formed at its lower part for the reception of a ring, and means for holding said pad in place.

1,738,334. METHOD OF AND MACHINE FOR MAKING INDEX TUBES. RALPH F. TABER, North Tonawanda, N. Y., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 29, 1924. Serial No. 758,748. 44 Claims. (18-9.)

44. A machine for making a longitudinally folded strip from a flat strip of material comprising means for folding said strip, means for continuously moving said strip past

the folding means, and means for applying heat to a portion only of said strip while retained by said folding means,



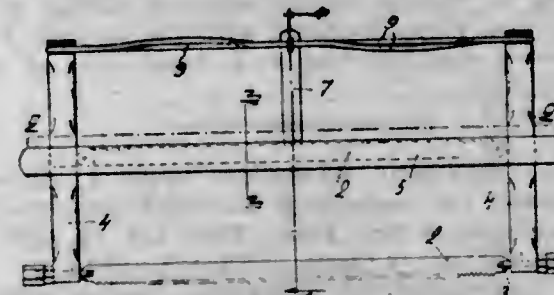
said last named means being independent of connection with the folding means and formed to apply heat to the bend portion only.

1,738,335. RADIANT GAS HEATER. AUGUSTUS F. THOMPSON, Huntington, W. Va. Filed May 21, 1928. Serial No. 279,288. 2 Claims. (Cl. 126-92.)



1. In a radiant gas heater, a cabinet, a burner and a row of radiants supported in the cabinet, a flue arrangement for conducting off the products of combustion from the radiants embodying a closed chamber spaced away from the front wall as well as the back wall of the cabinet and mounted in the upper part thereof and having its closed ends terminate short of the side walls of the cabinet, a smoke-flue connecting the rear wall of this chamber to the rear wall of the cabinet, a vertical plate at the back of the radiants at a distance from the back wall of the cabinet, the front wall of the cabinet at the top thereof being provided with hot-air escape-openings whereby air rising up in the space between the aforesaid vertical plate and the back wall of the cabinet will pass over and around the said chamber and flue before escaping through said front openings.

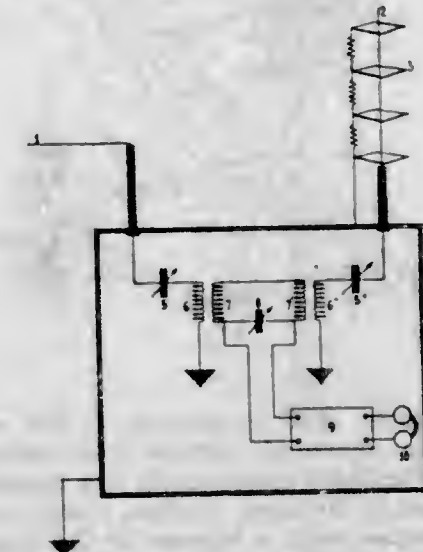
1,738,336. HANDSAW. KARL AUGUST WAHLBERG and GUSTAV ADOLF VOLMER WAHLBERG, Hesselby Villastad, Sweden. Filed Apr. 28, 1928. Serial No. 278,532, and in Sweden Mar. 28, 1927. 1 Claim. (Cl. 145-32.)



An improvement in hand-saw frames, consisting of two arms connected by means of a connecting-piece, which on

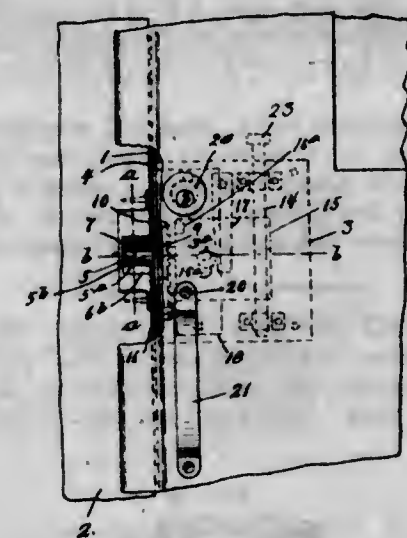
one side of the connecting-piece hold the saw-claws and on the other side of the connecting-piece are provided with a swingable lever for the tensioning of the saw-blade, said connecting-piece being provided with a plurality of longitudinal grooves for holding additional loose saw-blades, said connecting-piece being provided with a depression, in which the free end of the tensioning lever is held, said free end thereby preventing the saw-blades in said grooves from falling out of them.

1,738,337. METHOD OF AND ARRANGEMENT FOR STRAY ELIMINATION IN RADIOCOMMUNICATION. JULIUS WEINBERGER, New York, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Aug. 17, 1923. Serial No. 657,861. 10 Claims. (Cl. 250-20.)



1. A method of stray elimination which consists in transforming the electric fields of signals and strays into magnetic fields, neutralizing the magnetic field produced by the electric field of the strays by a magnetic field produced by the magnetic field of the strays, and detecting the magnetic field produced by the electric field of the signals.

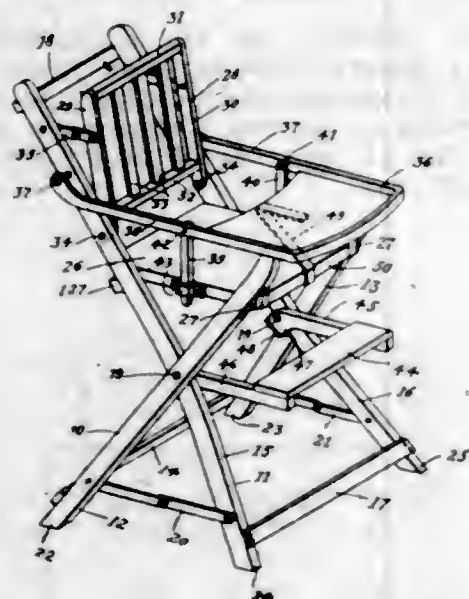
1,738,338. LATCH FOR DOORS. GEORGE W. WELLS, Amesbury, Mass., assignor of one-half to Walker Body Company, Amesbury, Mass., a Corporation of Massachusetts. Filed Sept. 2, 1925. Serial No. 54,008. 35 Claims. (Cl. 70-29.)



1. In combination with a horizontally swinging door and its jamb, a supporting member mounted on the jamb having an upwardly facing bearing surface, a lug rigidly mounted on the door and arranged to engage said surface and to be rigidly supported thereon when the door is in a closed position, a depending catch device mounted on the

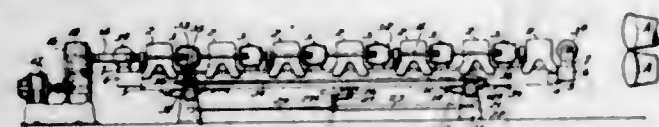
jamb directly above said supporting member and an upwardly projecting latch device mounted on the door directly over said lug and arranged to be engaged by said catch device when the lug is engaged with said bearing surface.

1,738,339. FOLDING HIGH CHAIR. HARRY A. WHITING, CHARLES J. HUGHES, and SADIE J. MAHER, St. Paul, Minn. Filed Jan. 25, 1928. Serial No. 249,285. 11 Claims. (Cl. 155-144.)



1. A folding high chair comprising a pair of frame sections hingedly connected together intermediate their ends adapted to be folded substantially in a common plane or to be arranged in diverging relation, a seat pivoted to one of said frame sections, a member on the other frame section for supporting said seat, a tray pivoted at one end to the second frame section and adapted to be supported at its other end upon the first named frame section, and a back rest pivoted to said second named frame section in proximity to said seat support, said back rest being adapted to swing away from the upper portions of said frame section and toward said tray, and means for holding the parts in extended position.

1,738,340. CONVEYER TABLE FOR CROSS-ROLL MILLS. LOUIS A. WOODARD, Zanesville, Ohio. Filed Feb. 23, 1928. Serial No. 256,239. 18 Claims. (Cl. 153-60.)



1. A conveyer table for a cross roll straightening machine, consisting of a series of supporting members in alignment with the pass of the rolls, a series of alternating feeding rollers, and means for alternately varying the height of the supporting members and feeding rollers.

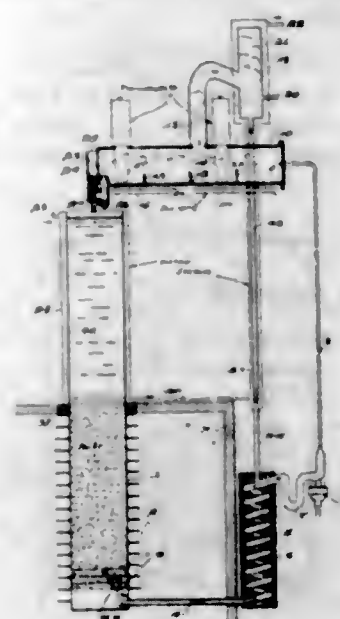
1,738,341. LAMP SOCKET AND GRIP. WILLIAM A. WULLS, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 9, 1928. Serial No. 268,469. 2 Claims. (Cl. 173-358.)



1. A socket for screw base electric lamps and the like, comprising an insulating base, an insulating socket-piece

mounted thereon, a conducting socket contained within the insulating socket-piece and interiorly threaded to engage a lamp base, a contact member arranged adjacent the bottom of the insulating socket, the inner periphery of the threaded conducting socket being longitudinally slotted, a conductor ring surrounding the contact member in the bottom of the socket and out of electric contact with it, a spring finger projecting upwardly from such ring lying within the slot and having a recurve end adapted to engage the bottom of the slot, the central portion of the spring finger projecting inwardly inside the threaded portion of the socket.

1,738,342. REFRIGERATING SYSTEM. GLENN FABER ZELLHOEFER, Urbana, Ill. Filed Sept. 3, 1926. Serial No. 133,395. 4 Claims. (Cl. 62-94.)



1. In a refrigerating system of the class described, in combination, a container adapted to contain a refrigerating medium comprising a solute and a solvent therefor, means adapted to convey off the resulting solution, means adapted to effect the substantially complete separation of the solute and the solvent by application of sufficient heat to vaporize the solvent and melt the solute, means to separately restore the solute and solvent to their normal physical states by solidifying the molten solute and condensing the vaporized solvent, each such restoring means being vented to the atmosphere whereby to subject the restored substances to atmospheric pressure.

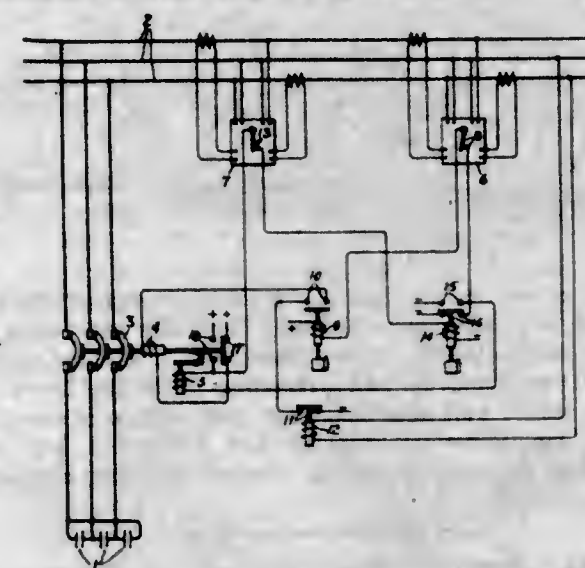
1,738,343. PROCESS FOR MANUFACTURING CHLOROPERYLENE QUINONES. ALOIS ZINKE, Graz, Austria, assignor to Felice Bensa, Genoa, Italy. Filed June 7, 1927, Serial No. 197,227, and in Austria Nov. 26, 1926. 3 Claims. (Cl. 260-56.)

1. A process for manufacturing chloroperylene quinones consisting in treating chloro perylenes having at least eight chlorine atoms combined with the perylene nucleus with fuming sulphuric acid at a temperature of 130 to 180° centigrade.

1,738,344. CONTROL SYSTEM. ARVID E. ANDERSON, Lansdowne, Pa., assignor to General Electric Company, a Corporation of New York. Filed Apr. 14, 1928. Serial No. 270,137. 4 Claims. (Cl. 172-246.)

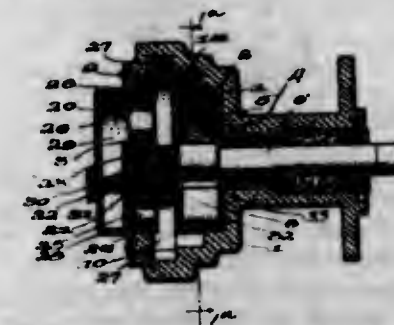
2. In combination, an alternating current circuit, a capacitor, switching means for connecting said capacitor across said circuit, and means including means responsive to the power factor of said circuit and means responsive

to the voltage of said circuit for effecting the operation of said switching means to connect said capacitor across said circuit only when the voltage of said circuit is below a predetermined value and the power factor is of a pre-



determined character and for effecting the disconnection of said capacitor from said circuit in response to a different power factor of said circuit and independently of the voltage thereof.

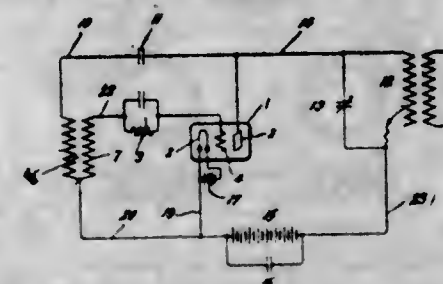
1,738,345. ROTARY PUMP. LESTER P. BARLOW, Detroit, Mich. Filed Aug. 20, 1928. Serial No. 300,711. 22 Claims. (Cl. 103-42.)



1. In a rotary pump having a cylindrical chamber for the rotor, a rotor provided with radial slots each having a piston movable therein, an inner wall having an opening therethrough for the shaft of the rotor, a back plate having inlet and discharge openings formed therein, an opening through said plate on the inlet side, an opening through the plate on the discharge side, a cover plate covering the outer face of the back plate having its mid portion recessed so as to form a passage between the openings in the back plate.

11. As an article of manufacture for use in a rotary pump of the vane type, a plug having inlet and discharge passages formed therein on one side and openings extending through the plug from one side to the other, one opening communicating with the inlet passage, and the other opening with the discharge passage.

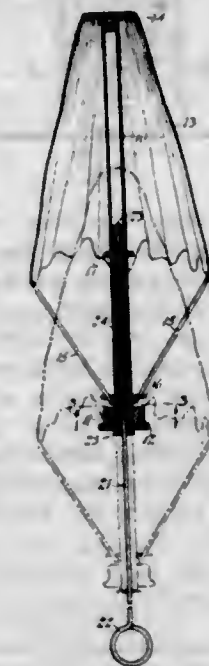
1,738,346. OSCILLATION GENERATOR. LOY E. BARRON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 14, 1926. Serial No. 154,811. 4 Claims. (Cl. 250-36.)



1. The combination in a system for producing electrical oscillations of an electron discharge device having a

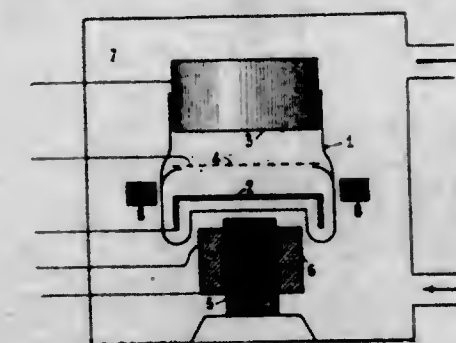
cathode, an anode and a grid, a circuit connected between said cathode and said anode comprising an oscillation circuit and a source of current, a non-resonant circuit between cathode and anode comprising capacity and inductance, a separate circuit between cathode and grid and a coupling between the inductance in the second circuit between cathode and anode and the circuit between cathode and grid, the frequency of the oscillations produced being determined principally by the constants of the oscillation circuit.

1,738,347. TOY. HALLIE H. BELL, New York, N. Y., assignor to Bell-Man Chemical Co. Inc., New York, N. Y., a Corporation of New York. Filed June 21, 1927. Serial No. 200,414. 1 Claim. (Cl. 46-52.)



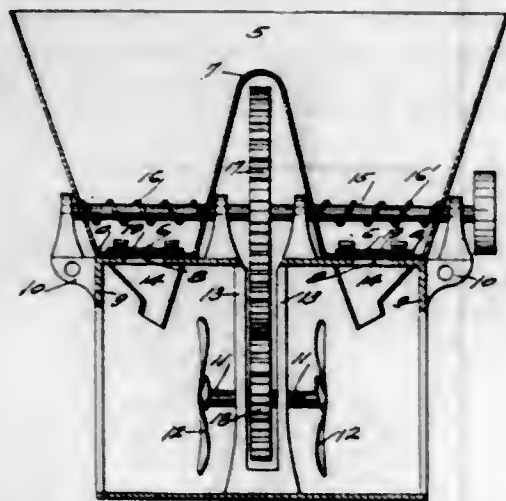
A toy parachute including a stick, handle means at one end thereof, a flexible body secured at its intermediate portion to the other end of the stick, a ring mounted for limited sliding movement on the stick, and stays connecting the edges of the body to the ring, said stick having a plug in one end thereof to which the body is connected, and being open at its other end for telescoping over a projecting gun.

1,738,348. HIGH-POWER THERMIONIC TUBE. JOSEPH BATHENOD, Paris, France. Filed Dec. 28, 1923, Serial No. 683,101, and in France Jan. 11, 1923. 2 Claims. (Cl. 250-27.5.)



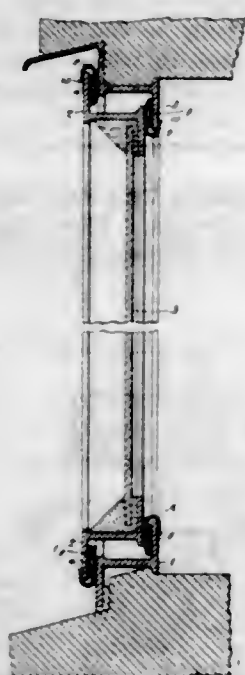
2. In a high power thermionic tube, an anode and a cathode having relatively large disk-like surfaces disposed within an evacuated envelope for obtaining an increased electron emission therebetween, means for inductively heating said cathode including an inductance coil and a magnetic core disposed adjacent said cathode, and means separate from the electrodes of said tube for preventing the flux emanating from said core from influencing the anode.

1,738,349. SEEDER. JOHN W. BRICH, Jr., Neola, Iowa. Filed Nov. 28, 1927. Serial No. 236,269. 2 Claims. (Cl. 275-15.)



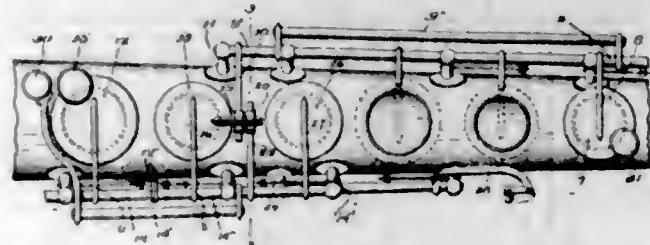
1. In a seeder, a hopper for seed, a partition disposed vertically in the hopper to divide the same into opposite side compartments, said hopper having an opening in its bottom at each side of the partition, a transverse shaft in the hopper, agitators on the shaft one in each compartment for loosening seed to facilitate gravitation thereof through said openings, a housing arranged beneath the hopper and open at opposite sides, oppositely operating fans mounted in the housing and facing toward the open sides thereof, and deflectors projecting downwardly from the openings in the hopper for directing seed into the lines of the oppositely flowing air currents from said fans for discharging the seed from the opposite sides of the housing with substantially equal force.

1,738,350. WEATHER STRIP. FRANK B. BUCKHOUT, Yonkers, N. Y. Filed Oct. 31, 1928. Serial No. 316,226. 1 Claim. (Cl. 20-69.)



A weather strip, comprising a strip of metal having one edge portion thereof bent upon itself forming a clamp of approximately U-shape in cross section adapted to clamp a flange, the intermediate portion of the metal strip being laterally offset throughout its length, and a flat non-metallic strip clamped to the metal strip by an overturned edge of the metal strip and extending across the offset portion of the metal strip, and adapted to lie flat against the flange to which the clamp is engaged.

1,738,351. KEY MECHANISM FOR WIND MUSICAL INSTRUMENTS. FERDINAND A. BUESCHER, Elkhart, Ind. Filed Mar. 3, 1927. Serial No. 172,378. 16 Claims. (Cl. 84-385.)



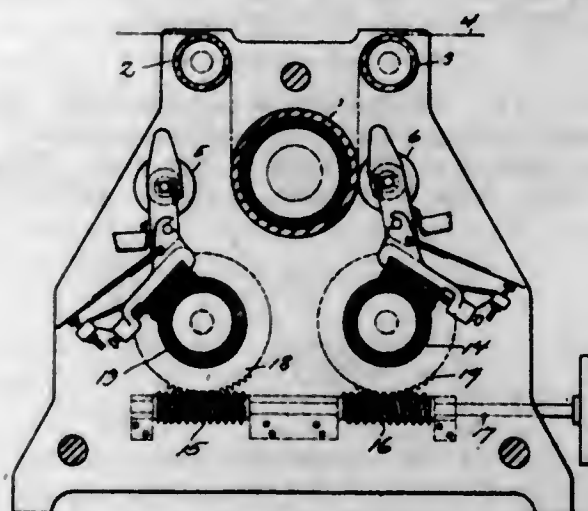
4. In a key mechanism for musical instruments, a depressible key valve provided with laterally extending suspension means bodily carried therewith, a pivoted bearing element supported by and extending from the inner side of said means and adapted when said means is depressed by said key valve to traverse and actuate a key valve depressing device for tightly closing the key associated with said device.

1,738,352. PISTON. PERCY BUTCHER, Jacksonville, Fla. Filed Feb. 21, 1928. Serial No. 255,974. 5 Claims. (Cl. 74-108.)



1. The combination in a piston, of a body having a plurality of beveled surfaces thereon, an expanding shell mounted on the said body, said shell being composed of a plurality of independent segmental sections and including inclined surfaces coacting with the beveled surfaces of the body, the bottom of the shell extending beyond the bottom of the said body and being provided with an inwardly projecting rib having an upper beveled surface disposed in spaced relation to the bottom of the said body, and a ring interposed between the said rib and the bottom of the said body, said ring having surfaces correspondingly formed to the adjacent surfaces of the said body and the said shell sections.

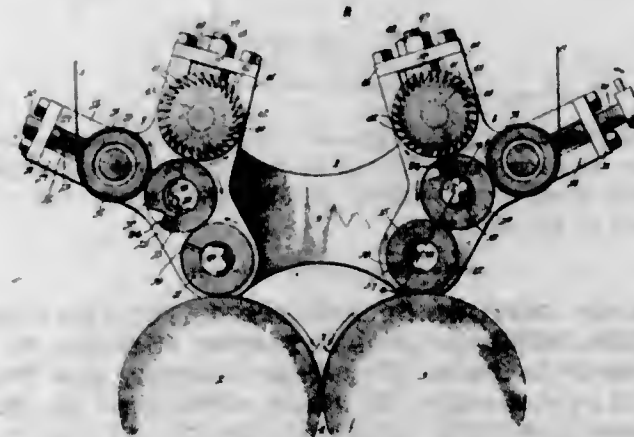
1,738,353. SLITTING MACHINE. JAMES A. CAMERON, Brooklyn, N. Y., and ROBERT McC. JOHNSTONE, Roselle Park, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 3, 1923. Serial No. 678,332. 8 Claims. (Cl. 164-65.)



1. A slitting machine, for slitting a flowing web, comprising: slitting means consisting of a plurality of groups

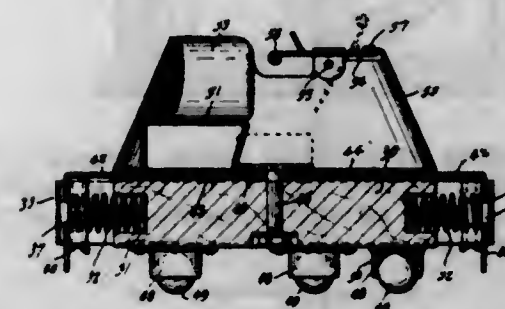
of score cutters on one side of the web, backing means, against which the score cutters can act, on the other side of the web, means for laterally adjusting one group of score cutters while the other group is slitting the web, and devices for simultaneously adjusting the two groups of cutters so as to bring the first group of cutters into slitting position and the other group out of slitting position without breaking the continuity of the web.

1,738,354. WEB CUTTING AND FEEDING MECHANISM. WILLIAM H. CANNARD, Green Bay, Wis. Filed Mar. 31, 1926. Serial No. 98,786. 17 Claims. (Cl. 164-68.)



1. A web feeding and cutting machine comprising a supporting frame; a plurality of web-feeding rolls mounted thereon in coacting relation; a cutter-blade carried by and extending past the periphery of one of the web-feeding rolls; a cutter roll, having a plurality of longitudinally and spirally extending knives, mounted for coaction with said cutter-blade; and means for driving the feeding rolls and the cutter roll.

1,738,355. AMUSEMENT DEVICE. LUIGI CAPPABIANCO, Bridgeport, Conn. Filed Oct. 24, 1928. Serial No. 314,624. 2 Claims. (Cl. 272-35.)

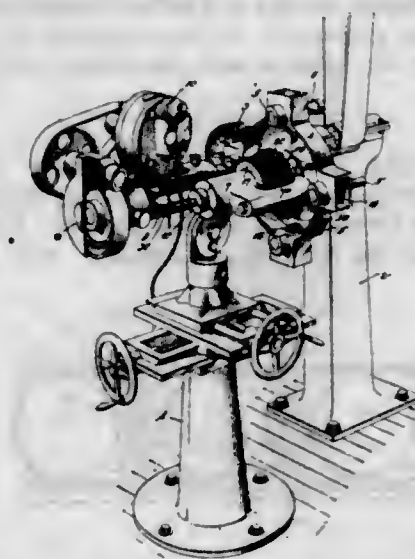


1. In an amusement device, a bump car comprising a base, roller casters for supporting the base, a plurality of coiled radially extending springs about the periphery of the base, substantially L-shaped supports for the outer ends of the springs having inward extensions mounted for radial sliding movement on the base, a peripheral bumper ring outside the springs comprising a plurality of links one for each spring, and pivot means connecting adjacent links.

1,738,356. BUFFING AND POLISHING MACHINE. GUSTAVE A. CARLSON, Detroit, Mich. Filed Feb. 20, 1925. Serial No. 10,521. 2 Claims. (Cl. 51-108.)

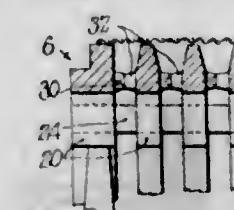
1. In a buffing machine, a rotary drive shaft, a rotary turret having work-engaging means and a hub portion, a sleeve surrounding said hub portion in frictional engagement therewith and geared to be driven by said shaft, a fixed body structure adjacent said sleeve, a locking plunger

slidably mounted in said fixed body structure, said turret having a series of apertures for selectively receiving said plunger, a cam carried by said sleeve and adapted to admit



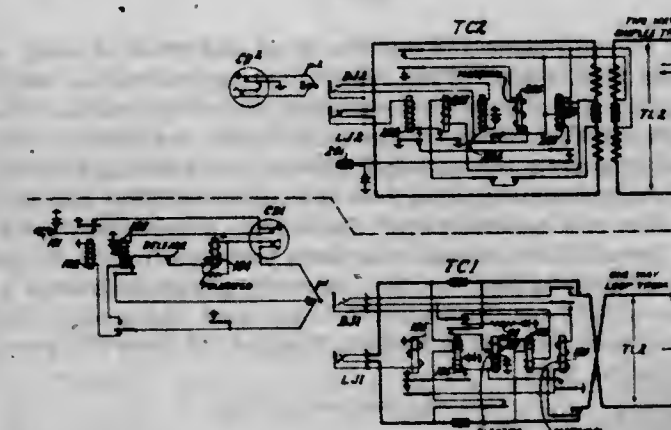
said plunger into said apertures and withdraw said plunger from said aperture whereby to arrest and permit rotation of said turret by friction engagement of said turret with said sleeve.

1,738,357. CYLINDER MOLD. ALVAN S. CLARK, Holyoke, Mass. Filed Dec. 8, 1928. Serial No. 324,718. 3 Claims. (Cl. 92-42.)



1. A cylinder mold comprising in combination, a central supporting shaft, rings fixed thereto, a plurality of spacer rings therebetween, said rings including ring-like bands having outer bearing surfaces for supporting a wire screen cloth and members at the sides of the bands spaced circumferentially thereof for abutting a part of the next adjacent band for spacing said bands.

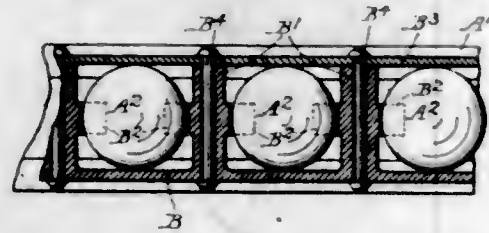
1,738,358. TELEPHONE SYSTEM. THOMAS F. CROCKER, Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Mar. 4, 1927. Serial No. 172,582. 86 Claims. (Cl. 179-27.)



1. In a telephone system in which automatic switches are operated from a manual switchboard to set up telephone connections, a trunk line outgoing from the manual

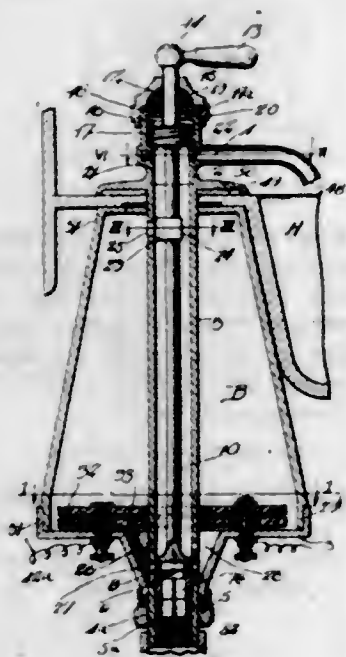
switchboard to the automatic switchboard, a switch operating circuit including the conductors of said trunk line, means in said circuit for controlling the automatic switches to extend the connection, and means controlled over said circuit for initially closing a holding circuit for the automatic switches responsive to the response of the called subscriber and for opening said operating circuit.

1,738,359. BALL BEARING. CHARLES W. DAKE, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 6, 1926. Serial No. 152,740. 4 Claims. (Cl. 308—201.)



1. In a ball bearing, a spacer cage comprising a side ring, spacer blocks integral therewith and projecting inwardly therefrom between adjacent balls, a cover ring adapted to be held upon said blocks in opposition to the first mentioned ring and an integral bearing rib projecting from each block toward the opposed ball.

1,738,360. ELECTRIC FLUID-HEATING APPARATUS. HAROLD ALLAN DAVIES, Alameda, Calif. Filed Sept. 12, 1928. Serial No. 305,424. 5 Claims. (Cl. 219—40.)

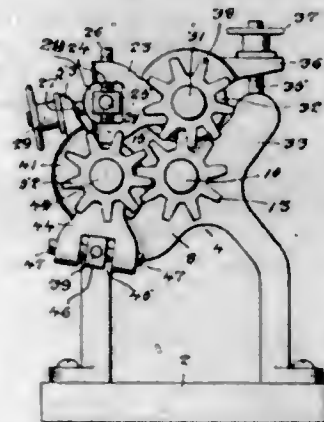


1. In an apparatus of the kind described having a supply pipe, a controlling faucet and support means therefor, a closed reservoir containing electrical heating elements suitably wired for connection with a source of electrical energy, a central duct passing downwardly through the reservoir establishing fluid connection between said supply, the said reservoir and the faucet, a valve to control the flow of fluid through the duct, perforate means in the duct admitting fluid to the reservoir, perforate means to return fluid from the reservoir to the duct and a controlled vent means adapted to liberate trapped air from the reservoir to the duct.

1,738,361. MACHINE FOR MAKING FLAT NOODLES. LOUIS DE VIRO, Cleveland, Ohio. Filed Jan. 9, 1928. Serial No. 245,464. 3 Claims. (Cl. 107—22.)

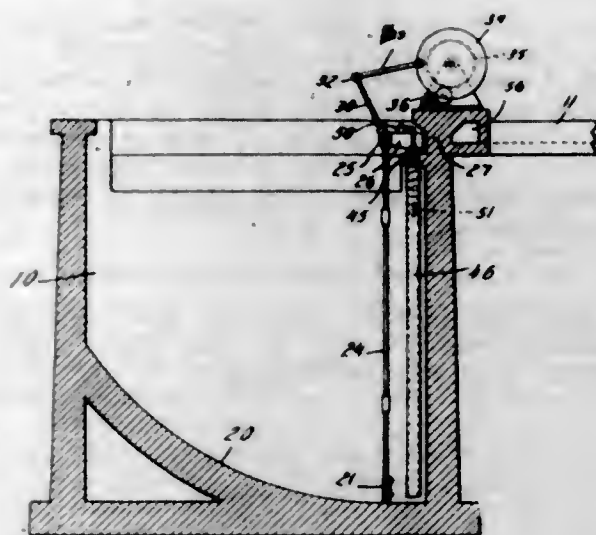
1. In a machine for the purpose set forth, the combination of a frame, a feed roll journaled therein, a presser

roll opposed to the feed roll, a hood pivoted to the frame and in which the presser roll is removably journaled, a scraper providing a dough directing element engaging



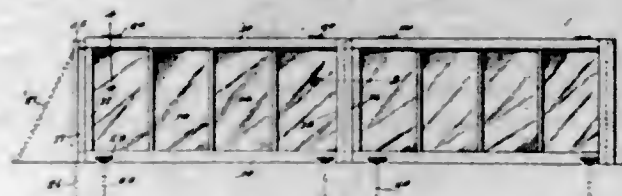
the perimeter of the presser roll, adjustable latching means between the hood and frame and means for adjusting the hood on the frame to align the presser roll with respect to the feed roll.

1,738,362. METHOD OF AND APPARATUS FOR PURIFYING SEWAGE. JOHN R. DOWNES, Middlesex, N. J., assignor to Pacific Flush-Tank Company, New York, N. Y., a Corporation of Illinois. Filed Sept. 22, 1928. Serial No. 307,573. 6 Claims. (Cl. 210—8.)



1. Apparatus for purifying sewage comprising a tank, air inlet pipes arranged adjacent one wall of the tank, and means for scraping material across the bottom of the tank toward said wall.

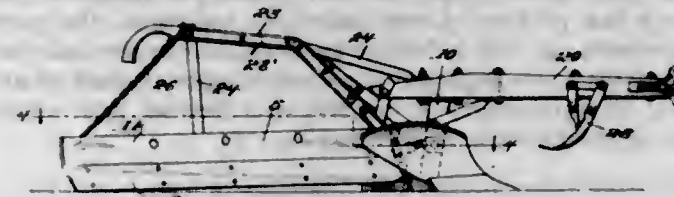
1,738,363. PORTABLE AND EXTENSIBLE PROPAGATING DEVICE. GERTRUDE EVELYN EDWARDS, Sable River, West, Nova Scotia, Canada. Filed July 3, 1926. Serial No. 120,460. 1 Claim. (Cl. 47—29.)



In a device of the class described, a plurality of units each comprising a pair of side members hinged at corresponding edges, their free edges being adapted to be positioned in spaced relation, and the ends of each side member being formed with a longitudinally extending projection, the projection at one end of each member being on the outer side of that member, and the projection on the

other end being on the inner side, the side members constituting frames including longitudinal elements and elements extending between and connecting the longitudinal elements, abutting longitudinal and connecting elements of adjacent units forming joint connections with flush exterior surfaces, to provide continuous reinforced side and upper edge portions for a series of units thus assembled.

1,738,364. ATTACHMENT FOR PLOWS. PHILIP D. ELLIS, Dubois, Idaho. Filed Oct. 24, 1928. Serial No. 314,739. 3 Claims. (Cl. 37—173.)



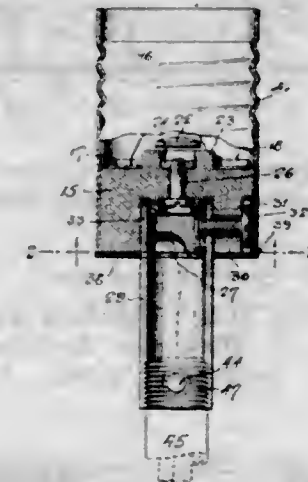
1. A device of the class described comprising a plow, a long landside substituted for the ordinary landside, a scraper, means for swiveling the front end of the scraper to the vertical beam of the plow, with the front end of the scraper overlapping the rear part of the mold board of the plow, means whereby the scraper can be adjusted toward and away from the landside, long handles connected with the plow, a platform connected with the landside below the rear ends of the handles and a runner on the outer face of the landside.

1,738,365. BLADE HOLDER. CHARLES E. GAHAGAN, Pittsburgh, Pa. Filed May 14, 1928. Serial No. 277,695. 1 Claim. (Cl. 30—25.)



A blade holder comprising a handle having a split head upon one end, a blade fitted within the split of the head, a spring element mounted upon one side of the handle and head, gripping elements included upon the spring element and projecting through the head and engageable with the blade to retain same in position for use, and a release member having connection with the spring element and disposed upon the opposite side of the head to relinquish engagement of the gripping elements from the blade.

1,788,366. LAMP SOCKET. GILBERT W. GOODRIDGE, Fairfield, and GEORGE B. THOMAS, Bridgeport, Conn., assignors to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 9, 1924. Serial No. 685,215. 6 Claims. (Cl. 173—358.)



1. An electric lamp socket, having a base recessed at one end to form a well and a transverse channel leading therefrom, in combination with a support adapted to enter said well, and a clamping screw carried by the support and adapted to laterally enter said channel.

1,738,367. COMBINATION PEN AND PENCIL. HARRY E. HAUGHT, Wilkesburg, Pa. Filed Aug. 27, 1927. Serial No. 215,894. 5 Claims. (Cl. 120—1.)

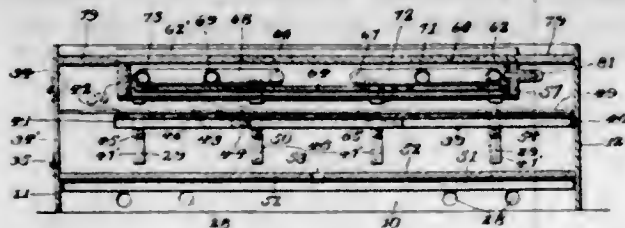


1. In a writing instrument, the combination of a fountain pen having a feed block, a pen point and said feed block having a longitudinal opening therethrough for the pen point, of a lead carrying tube movable through said opening and into the barrel of the pen, spring means normally holding the tube in the barrel, means operable from the exterior of the barrel for projecting the tube there-through, and means also operable from the exterior of the barrel for locking the tube when so projected.

1,738,368. INCUBATOR. LUTY HAWKINS, Mount Vernon, Ill. Filed Sept. 14, 1927. Serial No. 219,531. 3 Claims. (Cl. 119—38.)

1. An incubator comprising a housing, a roof therefor, a slotted plate of insulation supported within the housing above the bottom thereof, said housing below said plate provided with openings, a contact element suspended

within the housing, an egg supporting tray shiftably supported within the housing between said element and plate,



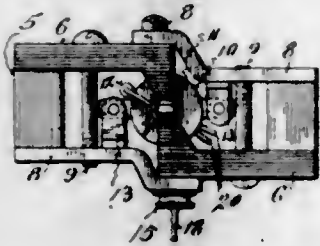
closure plates interposed between said element and housing and having ventilating openings, and said roof having ventilating means.

1,738,369. CONTROL FOR VARIABLE RADIO TUNING UNITS. GUSTAV V. HEDSTROM, Kenosha, Wis. Filed Mar. 12, 1925. Serial No. 15,084. 1 Claim. (Cl. 175-41.5.)



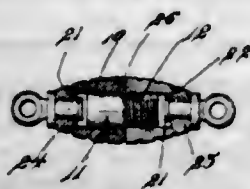
In combination, a plurality of condensers each embodying a pair of relatively spaced shafts and units of plates secured to the shafts, the units of plates of each condenser being adjustable relatively from and into a position between the shafts, levers connected to the shafts and extending in a common direction therefrom, a link connected to the levers, and a master control connected to one of the shafts, said levers and link connecting the plate units of the respective condensers for relative adjustment through equal angles.

1,738,370. ACTUATING DEVICE FOR LOUD-SPEAKERS. JOHN MEERER HICH, Jr., New York, N. Y. Filed Aug. 11, 1926. Serial No. 128,666. 4 Claims. (Cl. 175-339.)



1. In an actuating device for loud speakers with its armature eccentrically disposed therein the combination of a permanent magnet, pole pieces for said magnet forming an air gap, an armature supported in said air gap with its center line to one side of the center line of the gap and thus placed nearer one set of pole pieces, than the other, and magnet windings surrounding said armature.

1,738,371. CONNECTOR FOR NECKLACES AND THE LIKE. GEORGE W. JENCKES, Lakewood, R. I., assignor to D. M. Watkins Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 5, 1929. Serial No. 344,186. 5 Claims. (Cl. 24-230.)



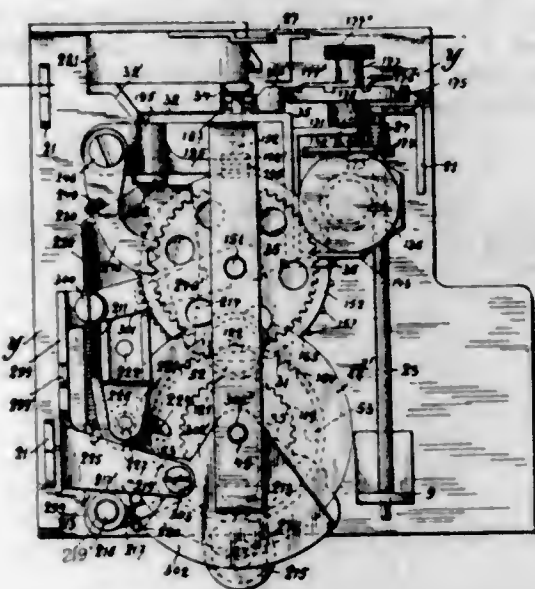
1. A connector for necklaces or the like comprising a member having a screw threaded recess in one end thereof

and an eye at the other end thereof, and a second member having a reduced projection at one end thereof and an eye at the other end thereof, one of said eyes being swivelled, said projection having continuous screw threads thereon for engagement with the screw threaded recess of said first member.

1,738,372. ELECTROLYTIC CELL. ROBERT EDGEWORTH-JOHNSTONE, London, England. Filed Jan. 10, 1929. Serial No. 331,506, and in Great Britain Nov. 4, 1927. 2 Claims. (Cl. 204-5.)

2. In an electrolytic apparatus of the bi-polar filter press type for the deposition of metals, comprising a plurality of apertured anode and cathode plates which are separated by marginally located gaskets, a diaphragm between the gaskets having marginal apertures, the parts constituting a cell in which the gaskets, diaphragms and the plates have registering apertures which admit of and effect simultaneously a vertical and lateral flow of the electrolyte through such cells.

1,738,373. ROLLING STAMP WITH COUNTING MECHANISM FOR PRINTING PURPOSES OF ANY KIND. HELEN KOMUSIN, née LIEDTKE, Berlin, Germany. Filed Mar. 22, 1922. Serial No. 545,892, and in Germany Dec. 20, 1920. 13 Claims. (Cl. 255-101.)



1. A rolling stamp for printing value stamps comprising in combination a casing, a stationary shaft in said casing, a hollow printing cylinder revolvably mounted on said stationary shaft, counting mechanisms in said printing cylinder for recording the stamps printed, matrix printing rollers in said printing cylinders for printing stamps of different determined values, a counting mechanism in said printing drum for recording the values of the stamps printed and for printing the total value of a stamp printed, articulated chains comprising feed teeth for operating said value counting mechanism, an adjusting mechanism for adjusting the matrices in the value printing rollers according to the value of the stamp to be printed and for adjusting the feed teeth of said chains in accordance with the increased stamp value, a locking device for said adjusting mechanism for the stamp values designed to permit the adjusting of the value rollers only after the complete revolution and recording of the printing drum, a locking device for the counting mechanism, a device connected with said locking mechanism for indicating the unused amount of the value limit, a mechanism for limiting the rotation of the printing cylinder and a locking device for securing the printing cylinder in its casing.

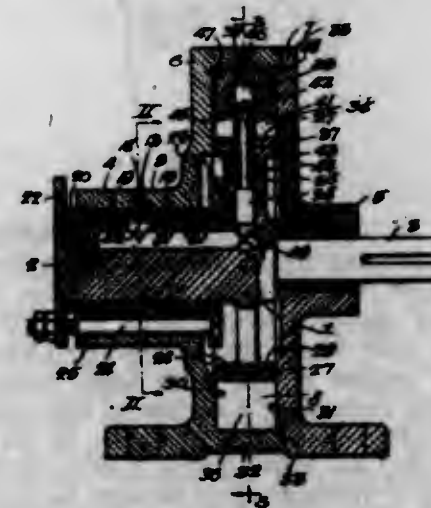
1,738,374. AUTOMOBILE TOWING ROPE. HARRY H. KRECHMER, Ventnor, N. J. Filed Nov. 21, 1927. Serial No. 234,769. 7 Claims. (Cl. 280-33.14.)



2. A clamp for towing ribbons comprising a longitudinal base terminating in perpendicular spread devices, side members carried by the base between the spread devices, and means engaging a side member for compressing the ribbon.

5. In combination, a ribbon of flexible-semirigid sheet metal, arranged to be looped upon itself; a clamp including a laterally divergent spreader insertable in the loop having an edge forming a frictional contact; and means on the clamp adjacent the spreader for forcing the portions of the ribbon together to increase the friction between the edge of the spreader and the ribbon.

1,738,375. FLUID PUMP. HENRY W. LANDENBERGER and EARL CANNON, Philadelphia, Pa., assignors to American Fluid Motors Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 19, 1925. Serial No. 70,126. 28 Claims. (Cl. 103-161.)



1. In combination, a rotary cylinder, a plunger having relatively movable parts and packing, said parts being so movable during the pressure stroke as to cause said packing to engage the cylinder wall with a certain force, said force being decreased during the suction stroke, said plunger being actuated at least in part by centrifugal force during the latter stroke.

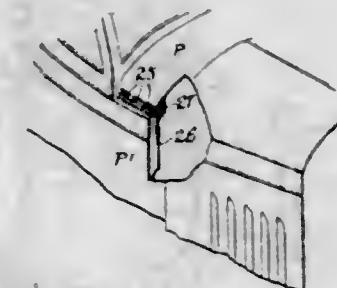
1,738,376. PRICE-TAG-SUPPORTING SHELF. LUCIEN ELLIS LARCHE, Stamford, Tex. Filed Aug. 4, 1928. Serial No. 297,509. 2 Claims. (Cl. 40-11.)



1. In a device for the purpose set forth, a shelf, an angle plate having its lower flange secured to the bottom face

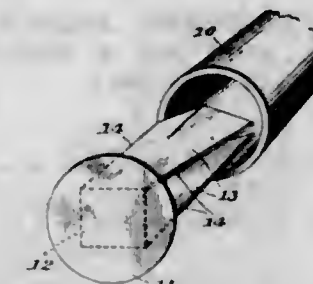
of the shelf and its vertical flange disposed in a line parallel to but slightly spaced from the outer edge of the shelf, said plate being of a less length than the shelf, a nose strip of a length equaling that of the shelf and removably and adjustably secured to the shelf outward of the ends of the angle plate.

1,738,377. AIR DUCT. WILLIAM LINTERN, Cleveland, Ohio. Filed Oct. 20, 1926. Serial No. 142,982. 6 Claims. (Cl. 98-2.)



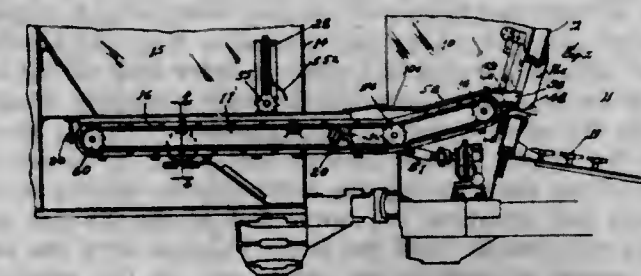
1. In combination with an automobile body cowl, tubular means extending adjacent the side cowl panel including a plate in substantially parallel relation to the panel, said plate and panel being relatively arranged to provide an upwardly facing opening, means at the bottom of the tubular means to drain water and the like, and means located below the said opening for leading air from the tubular means.

1,738,378. END LABEL FOR TUBULAR CLOTH ROLLS. JOHN W. LITTLE, Pawtucket, R. I. Filed Oct. 8, 1926. Serial No. 140,224. 5 Claims. (Cl. 40-20.)



1. A label device for cylindrical tubular supports for cloth or the like, comprising a flat label member adapted to engage and close a tube end, and retaining means at the rear side of said member including a pair of flat relatively wide flap portions hinged with respect to said flat label member along spaced and parallel elongated hinge lines, said flap portions adapted to be inserted in the tube to retain said label member with respect to said tube end, the longitudinal edges of said flap portions constituting spaced frictional engaging surfaces, said spaced hinges adapted to cooperate to rigidly support said label member with respect to said flap portions.

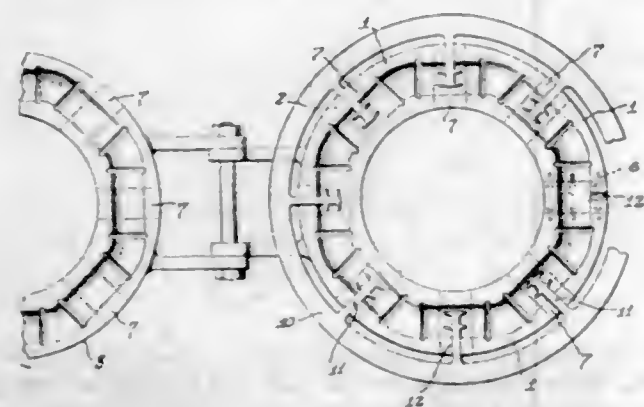
1,738,379. LOCOMOTIVE STOKER. NATHAN M. LOWER, Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y., a Corporation of Delaware. Filed Feb. 18, 1927. Serial No. 169,219. 12 Claims. (Cl. 110-101.)



1. The combination with a locomotive and its tender, the latter having an opening in its floor, of a casing flexibly

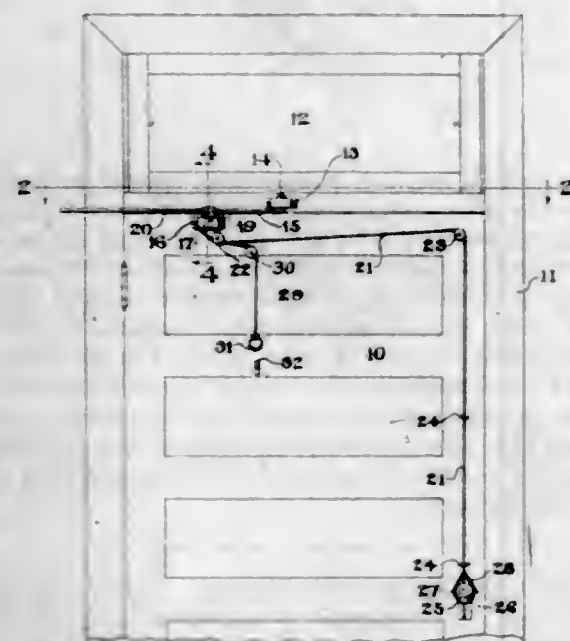
attached to the backhead of the locomotive and projecting under the floor of the tender and being free to move relatively thereto, its rearward portion being open to receive fuel through an aperture in the tender floor, an endless conveyor in the casing, and means for driving the conveyor.

1,738,380. CORE BOX. JOHN B. LUKOMSKI, Detroit, Mich. Filed Nov. 5, 1928. Serial No. 317,197. 2 Claims. (Cl. 22-13.)



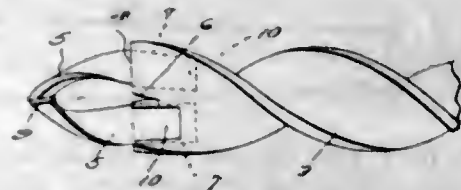
2. A core box consisting of core box sections arranged spacedly on the perimeter of an enclosed area, shell members connecting said sections and defining recesses in communication with the cavities of said sections, whereby a continuous endless core may be formed in said sections and shell members, and an arbor concentric with said area, said arbor having fingers extending into said shell members.

1,738,381. DOOR ATTACHMENT. JOSEPH P. MATTHEWS, Mitchellville, Md. Filed May 8, 1926. Serial No. 107,800. 1 Claim. (Cl. 292-266.)



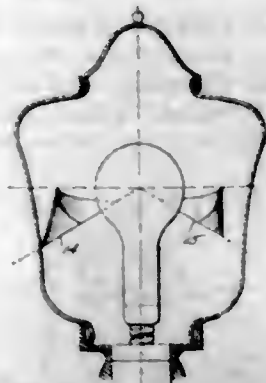
The combination with a door, of a bracket secured to the door, said bracket having an opening therethrough, a guide member mounted within and extending from the bracket, a bar slidable through the guide member and having one end pivotally secured adjacent the door, a plunger slidable within the guide member for engagement with the bar to hold the latter against sliding movement, a spring influenced flat plate having one end pivotally secured to the bracket and engaging the lower end of the plunger and acting to normally hold the latter engaged with the bar, and means connecting the other end of the pivotally mounted plate and the knob of the door to actuate the plate and release the plunger.

1,738,382. DRILLING TOOL AND DETACHABLE BIT. ELIZABETH S. McCULLOUGH and ASA B. SMITH, Fairmont, W. Va. Filed Feb. 12, 1929. Serial No. 339,411. 1 Claim. (Cl. 255-69.)



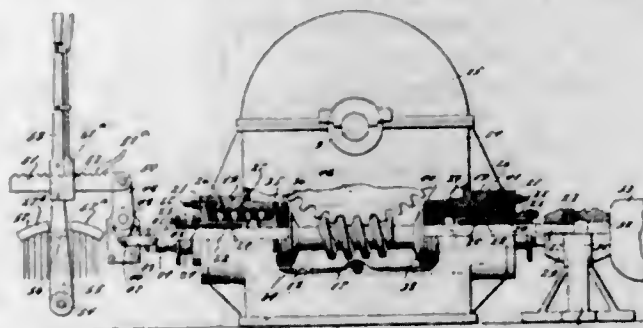
In combination, a drilling tool provided with a dovetail groove in the free end thereof, a cutting bit of spring material provided with beveled edges for engagement within the said dovetail groove, said spring bit being provided with a recess, and a boss on the bit for engagement within the said recess.

1,738,383. STREET ILLUMINATION. PRESTON S. MILLAR, Brooklyn, N. Y. Filed July 3, 1926. Serial No. 120,370. 1 Claim. (Cl. 240-1.)



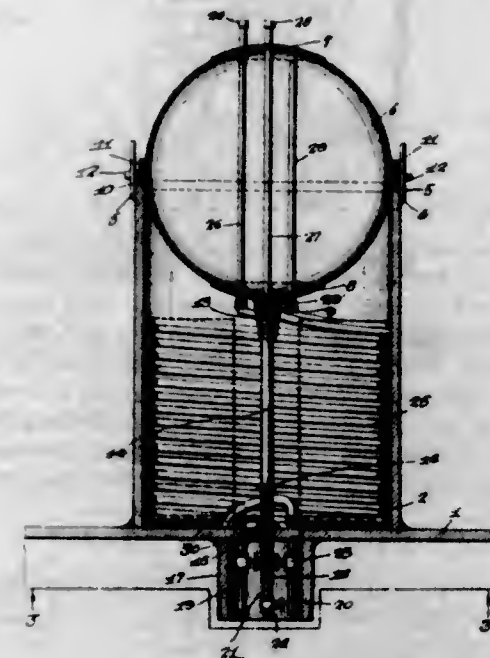
A luminaire for street illumination comprising a source of light and shielding means associated therewith for reducing the light flux to a non-glaring value in certain directions, said shielding means being so positioned with respect to the light source that it approximately coincides with a cross section of the solid angle formed by an imaginary plane containing a horizontal line which passes through the light source at right angles to the direction of the street and an inclined line passing through said light source in a vertical plane parallel to the direction of said street, a plane determined by a horizontal line passing through the light source, parallel to the direction of the street and a second horizontal line parallel to the direction of the street and located at approximately eye level and vertically above one edge of the street and a plane which includes the above mentioned horizontal line passing through the light source parallel to the direction of the street and a second horizontal line parallel to the direction of the street and located at approximately eye level, vertically above the other edge of the street.

1,738,384. ENGINE. THOMAS SPENCER MILLER, South Orange, N. J. Filed July 7, 1922. Serial No. 573,502. 24 Claims. (Cl. 254-172.)



1. In a winding engine, a drum, a reversible electric motor for driving the drum in two directions, gearing connecting the motor and drum, and means controlled by the thrust on said gearing to cause the motor to rotate in either of two directions during normal operation.

1,738,385. SAFETY DEVICE FOR SUBMARINES. EARNEST L. MOODY, Wichita Falls, Tex. Filed July 25, 1928. Serial No. 295,176. 1 Claim. (Cl. 114-16.5.)

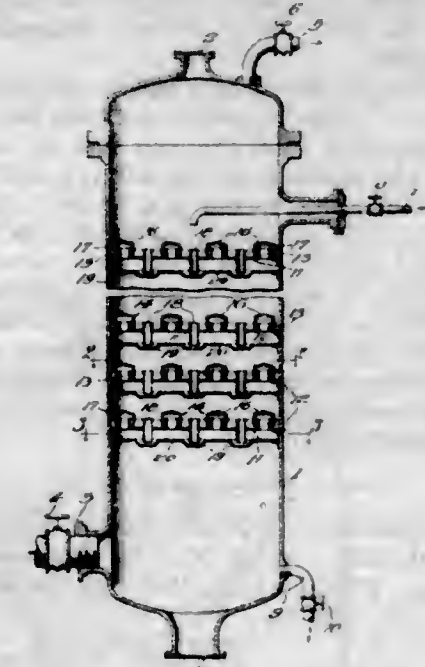


The combination with a submarine craft, of a cylinder on and welded to the top plate thereof, said cylinder having its mouth inwardly flared and provided with an annular depression for a gasket, and a hollow float having a ring member welded thereon and surrounding the same and flared to engage with the flared mouth of the cylinder and with the gasket, slotted brackets on the float, pins welded on the cylinder and passing through the slots in the brackets, reinforcing plates on the top and bottom of the float, a socket centrally depending from the float, a rod member having threaded ends, one of which is screwed in the socket and the other is screwed through the top plate of the submarine, and the inner end of the said rod being squared, a flanged stop element on the rod, a cup-shaped member on the outer face of the submarine to receive said stop therein when the rod is unscrewed from the socket, a tubular compartment welded to the inner face of the top plate of the submarine, in a line with the center of the cylinder and providing a compartment, a plurality of pipes in the pocket passing through and welded to the top plate of the submarine and received in the cylinder, a hand controlled valve for each of said pipes and said pipes adapted to be attached to air pumps, a hose coupled to each pipe coiled in the cylinder, a plurality of vertically arranged pipes entering the float, welded thereto and coupled to the respective hose, two of said pipes extending through the top and welded to the float, a cap member screwed and welded on the ends of the last mentioned pipes, each of said cap members having an opening therethrough and a fuse closing such opening, for the purpose set forth.

1,738,386. VAPOR FRACTIONATION. JACQUES C. MORELL, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Apr. 25, 1927. Serial No. 136,218. 1 Claim. (Cl. 261-114.)

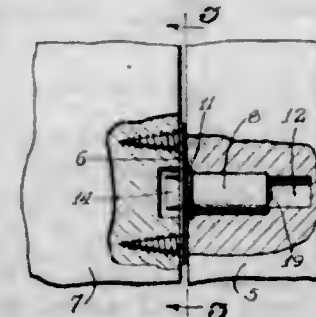
A dephlegmator comprising in combination a shell having vapor and liquid inlets and outlets, spaced superimposed imperforate decks mounted within said shell, perforate decks mounted therebetween, relatively short up-standing open end risers projecting above the general plane of each of said first mentioned decks, a cap mounted

above each riser, each cap comprising a flange having perforations above the upper end of the associated riser and a top wall, and a liquid overflow pipe projecting above and



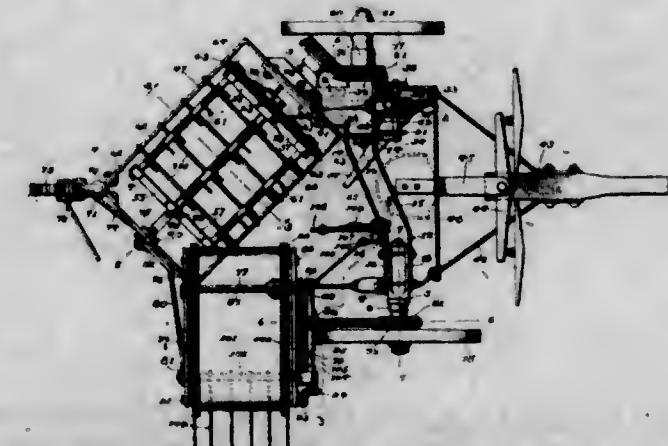
below each of said first mentioned decks, and imperforate depressions in each perforate deck in which the overflowing liquid collects, said imperforate depressions forming a liquid seal.

1,738,387. DOUBLE-ACTING CATCH. JOHN HUBERT NIESSEN and HUBERT WALTER NIESSEN, Fair Oaks, Calif. Filed May 26, 1927. Serial No. 194,386. 3 Claims. (Cl. 292-74.)



1. A double-acting catch comprising a casing, a spring projected catch bolt including a stem slidable in and held from rotation relative to the casing and a tapered-nose head adjustably threaded on the stem and rotatably and slidably fitted in the casing, and double-acting ratchet means associated with the stem and head to hold the latter against accidental rotation.

1,738,388. HARVESTING MACHINE. NORMAN E. NUNNERY, Headland, Ala. Filed Mar. 28, 1927. Serial No. 179,107. 2 Claims. (Cl. 55-56.)



1. In a harvesting machine a body portion provided with supporting wheels, a digger device arranged for-

wardly of and connected to one side of said body portion, a raking mechanism connected to the rear of said side and extending inwardly at a rearward inclination, and a steadying device for said digger device connected with the upper end of the latter and pivotally connected to said raking mechanism.

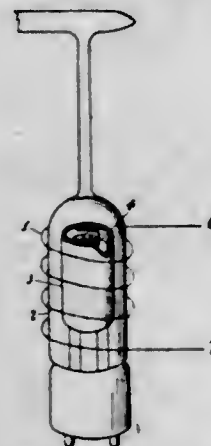
2. In a harvesting machine a mobile supporting structure, an inwardly extending and rearwardly inclined raker mechanism supported from the rear end of one side of said structure and driven from the latter, a delivery mechanism operated by and disposed in a plane at right angles to the travel of said structure and having its rear inner corner arranged below the forward inner corner of said raker mechanism, a supporting wheel connected to the rear inner corner of said raker mechanism, bracing means for said delivery mechanism connected thereto and to the inner end of said raker mechanism, and bracing means for said delivery mechanism connected thereto and to the other side of said structure.

1,738,389. COMBINED TOOTHBRUSH AND DENTAL FLOSS HOLDER. ANNIE MAY CUNNINGHAM OLIVER, Ranger, Tex. Filed Nov. 10, 1927. Serial No. 232,435. 2 Claims. (Cl. 132-84.)



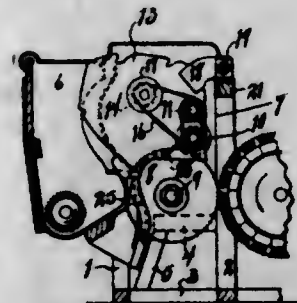
1. A dental floss holder comprising a hollow body, a hair pin shaped member secured within the hollow body and on which the floss is adapted to be tensionally retained and from which the same may be drawn through an opening in the hollow body.

1,738,390. THERMIONIC TUBE. MANDEL OSNOS, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Mar. 7, 1927, Serial No. 173,612, and in Germany Mar. 12, 1926. 6 Claims. (Cl. 250-27.5.)



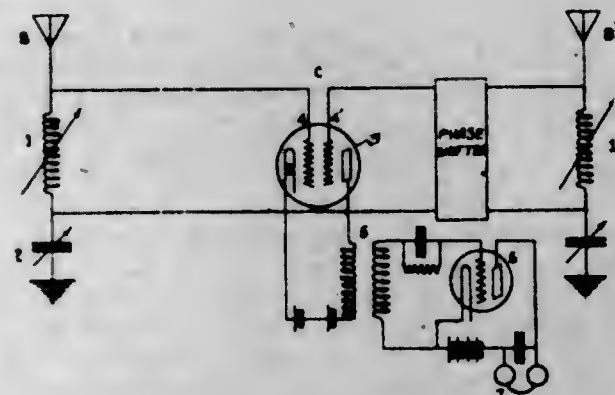
1. The method of heating the anode of a thermionic tube which comprises covering the faces of the anode with a layer of ferro-magnetic material and including eddy currents within said anode.

1,738,391. COTTON GIN. CLARENCE R. PRESSLEY and FRENCH B. WILLIAMS, Fort Worth, Tex. Filed Apr. 16, 1929. Serial No. 355,646. 5 Claims. (Cl. 19-82.)



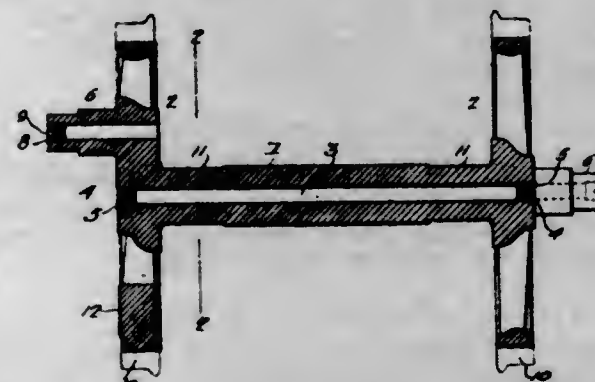
1. In a cotton gin provided with a frame and a gang of saws, a gin breast having a pair of heads having rear extensions and journal lugs formed on said extensions, laterally adjustable brackets for said lugs attached to the gin frame and forming bearings for said journal lugs, a cross beam attached to the lower parts of said heads, and ribs attached to said cross-beam and projecting between the saws of the gin and terminating approximately at the ginning point with upward curves and near the periphery of said saws.

1,738,392. INTERFERENCE-REDUCING MEANS FOR RADIO RECEIVING APPARATUS. RICHARD HOWLAND RANGER, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Dec. 18, 1922. Serial No. 607,478. 10 Claims. (Cl. 250-20.)



1. In a radio signaling apparatus the combination of a plurality of aerials, a common receiving means for all of said aerials, a multiple grid vacuum tube forming a common means for receiving oscillations received on said aerials, means for connecting each of said aerials to a separate grid member of said tube, and means for applying the signal energy received on said aerials to said various grid members in a like phase relationship.

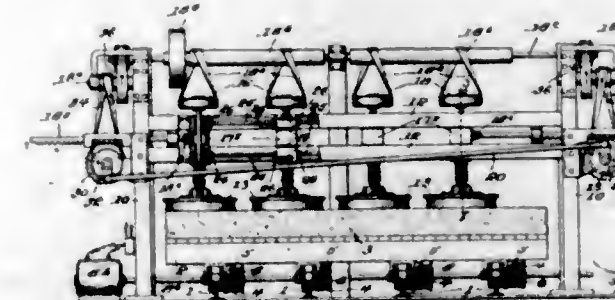
1,738,393. INTEGRAL WHEEL AND AXLE. MENAHEM RIVKIN, Philadelphia, Pa. Filed Apr. 25, 1928. Serial No. 272,726. 2 Claims. (Cl. 295-2.)



1. A wheel structure, consisting of an axle with a wheel at each end of the axle; and wrist-pins projecting from

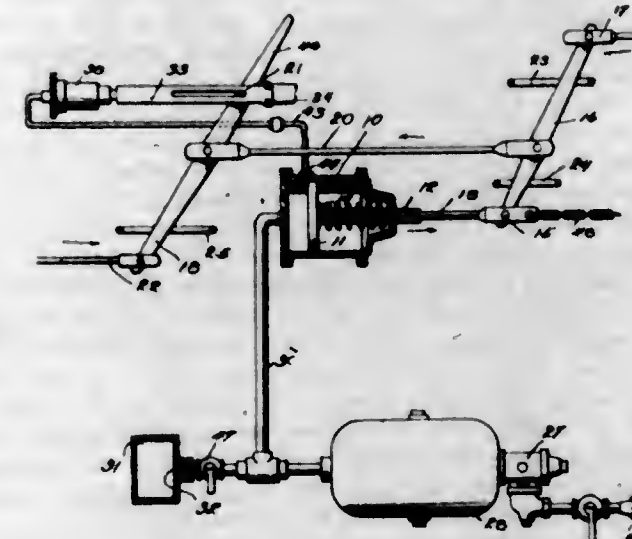
the wheels, said structure being made as an integral casting, three longitudinal openings extending through the axle and through the wrist-pins respectively.

1,738,394. POLISHING APPARATUS. JOHN P. SAVORITI, Barre, Vt. Filed Aug. 6, 1923. Serial No. 655,992. 4 Claims. (Cl. 51-56.)



1. In a polishing apparatus the combination of a frame, a housing arranged against vertical movement in the frame, a sleeve journaled in the housing and having a flange intermediate of its ends abutting against the lower end of the housing, a shaft journaled in the sleeve and housing, and a polisher connected to the lower end of the said shaft, a nut surrounding said shaft and adapted in one position to freely rest against the upper surface of the polisher, a coiled spring surrounding the sleeve and interposed between the flange and the nut to yieldingly urge the polisher against the work, said nut being adapted to be threaded on the end of the sleeve to confine the spring between it and the flange thereon so that the spring is restrained from yieldingly acting upon the said polisher.

1,738,395. AIR-BRAKE SYSTEM. WILLIAM H. SAUVAGE, New York, N. Y., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 24, 1928. Serial No. 257,280. 14 Claims. (Cl. 303-5.)

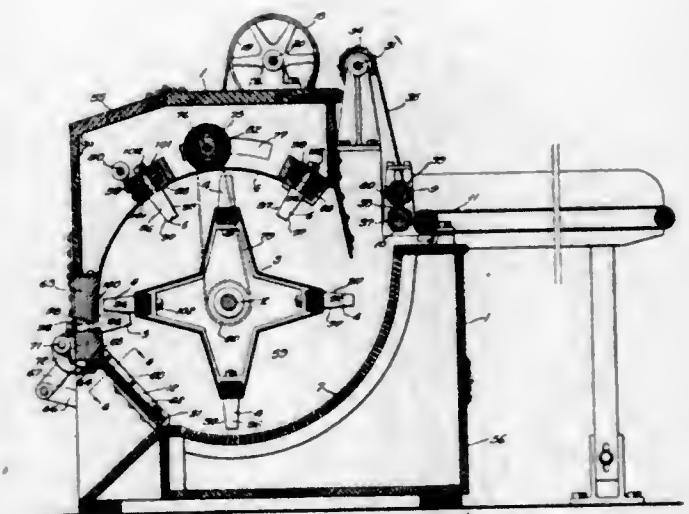


3. In an air brake system, in combination, an air brake cylinder having a piston for actuating the brake rigging, and an air reservoir connected with the cylinder, means whereby a portion of the air is by-passed from the reservoir to the cylinder to give normal braking pressure within the cylinder for short piston travel, said cylinder having a port in one side at the end of this normal short piston travel to permit an escape of air whenever the piston exceeds normal short piston travel.

1,738,396. WILLOW. CHARLES SCHOFIELD, Philadelphia, Pa. Filed Oct. 14, 1927. Serial No. 226,176. 3 Claims. (Cl. 19-82.)

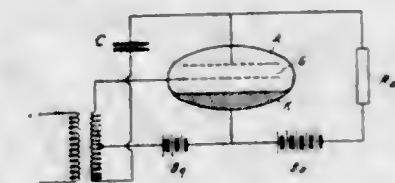
1. In a willow, the combination of a casing; a rotatable drum; a shaft for supporting and rotating said

drum; a housing for said drum formed within said casing and provided with a curved and perforated wall concentric with said shaft and said drum; a rotatable brush engaging said perforated wall and adapted for lateral movement over said perforated wall; a shaft for supporting and rotating said brush; journal blocks for said brush shaft located in the respective side walls of said casing, said



side walls having arcuate guide slots formed therein concentric with said curved and perforated wall and adapted to receive said journal blocks for permitting lateral movement of said brush; a pulley on each of said shafts operatively connected by a driving belt for rotating said brush; and means for effecting lateral movement of the brush over said perforated wall.

1,738,397. MODULATING CARRIER WAVE BY PHOTO-ELECTRIC CURRENTS. OTTO SCHRIEVER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Sept. 7, 1927, Serial No. 217,973, and in Germany Oct. 15, 1926. 6 Claims. (Cl. 179-171.)

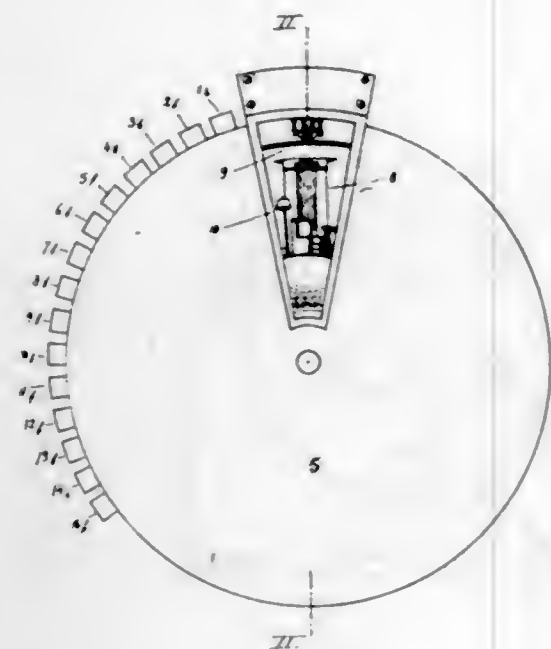


1. A method of modulating a carrier frequency by means of a photo cell including an anode, a light sensitive cathode, and a grid electrode, which comprises supplying the carrier frequency across the grid cathode circuit, subjecting the light sensitive cathode to various intensities of illumination and producing in the anode cathode circuit of said cell a modulated carrier whose amplitude curve varies in accordance with the light intensities reaching said light sensitive cathode.

1,738,398. MEANS FOR PRESENTING COMPOSITE DESIGNS. FERDINAND SESTI, Pittsburgh, Pa., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa., a Corporation of New York. Filed Nov. 15, 1927. Serial No. 233,446. 6 Claims. (Cl. 35-12.)

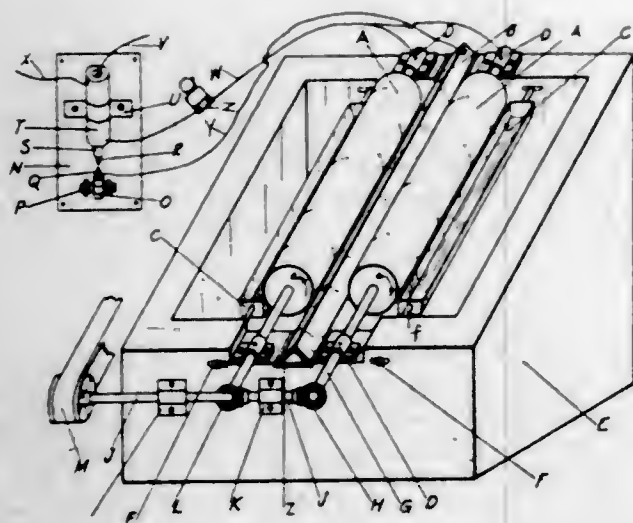
1. A device of the character described comprising a member having an opening, and a plurality of members

movably mounted one behind the other in rear of said member, one of said movable members having different colored background areas to be moved behind said opening, and another of said movable members having transparent areas to be moved behind said opening in front of



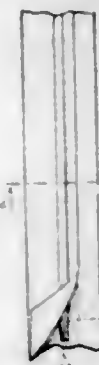
the exposed back ground area, said transparent areas having different designs thereon to give an ornamental effect to the exposed background areas such as to resemble a rug, carpet, wallpaper, curtain, drapery or the like of a selected color and design.

1,738,399. APPARATUS FOR SEPARATING MATERIALS OF VARYING DEGREES OF CONDUCTIVITY. RALPH SHERER, Mesa, Ariz., assignor of one-half to Cecil R. Jones, Phoenix, Ariz. Filed July 12, 1928. Serial No. 292,111. 15 Claims. (Cl. 266-1.5.)



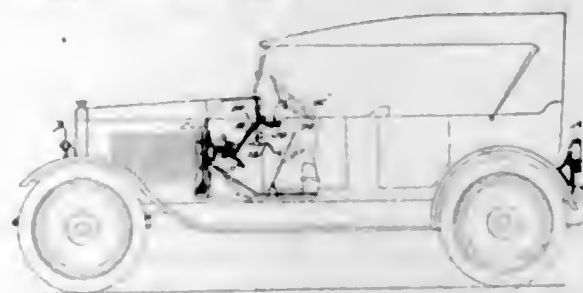
1. Separating apparatus of the character described, comprising a pair of spaced electrodes, an electric circuit in which said electrodes are included, and means for feeding material of varying degrees of conductivity over said electrodes, the said electric circuit being completed by the deposit of conductive material between the electrodes from said material, and electrically actuated means included in said circuit for breaking the circuit at another point, upon its completion at the electrodes.

1,738,400. WELTING OR GIMP. BORIS SILVERSTEIN, Brooklyn, N. Y. Filed Sept. 14, 1928. Serial No. 305,920. 1 Claim. (Cl. 69-21.)



A wetting strip, comprising a flat strip of material folded on itself with side edges overlapping, a filler strip disposed centrally and longitudinally between the layers of the folds of the strip, the sides of the folded material beyond the filler strip being flat to receive the edges of materials to be joined.

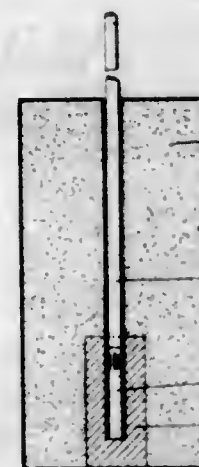
1,738,401. INTERLOCKING AND TRIPPING SWITCH FOR AUTOMOBILE SIGNALS. OSCAR J. SIMLER, Sebring, Ohio. Filed Apr. 3, 1926. Serial No. 99,647. 8 Claims. (Cl. 177-337.)



5. A switch device comprising a supporting frame, a bar slidably mounted therein and having a pair of contacts thereon, a double contact normally engaging one of said contacts, a sliding member in the frame, means carried thereby for pressing a part of the double contact against the second contact on the bar when the sliding member has been actuated from its normal position, springs for holding said sliding member and the bar in normal positions, a pair of single contacts, one of which is normally in engagement with one of the contacts on the bar, means for moving the sliding member, means for actuating the bar to move one of its contacts out of engagement with said single contact and its other contact into engagement with the second single contact, a circuit connected with the double contact, a switch in the circuit, means for locking the switch in open position, means for normally holding the switch in closed position and means connected with the bar for releasing the locking means when the bar is moved from its normal position.

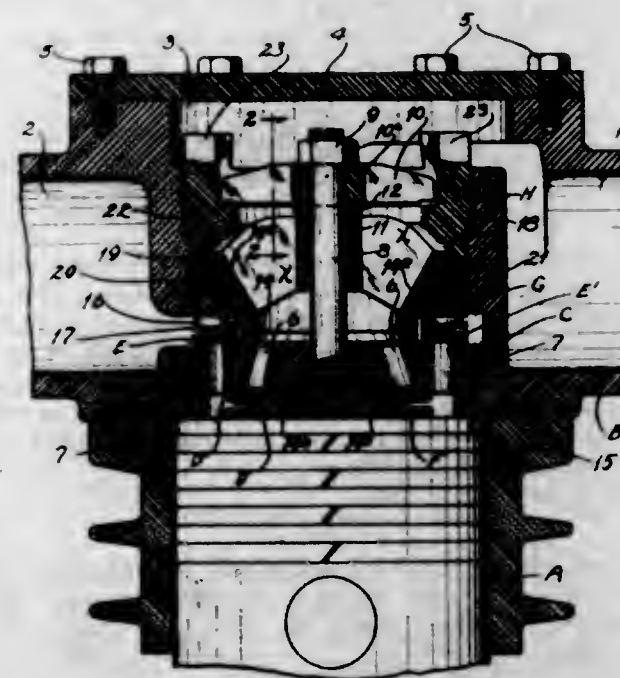
8. A switch comprising a supporting frame, a slidable member therein, means carried by said member for closing a first circuit, a wedge for operating the slidable member, a fulcrum block connected with the slidable member, a spring pressed bar slidably arranged in the frame, a rocking member pivoted to the bar and engaging the block when the slidable member has been moved by its wedge, a spring pressed slide engaging the rocking member, a second wedge for moving the slide to cause the rocking member to move the bar when said rocking member is engaged by the block, means for operating said wedges, means on the bar for closing a second circuit and breaking the first circuit and means on the bar engaging the first mentioned wedge for preventing the bar from returning to normal position after the withdrawal of the second wedge so as to hold the second circuit closed as long as the first wedge is in active position.

1,738,402. EXPLOSIVE CARTRIDGE. WALTER O. SKELLING and GUY A. RUPP, Allentown, Pa., assignors to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1925. Serial No. 59,526. 8 Claims. (Cl. 102-6.)



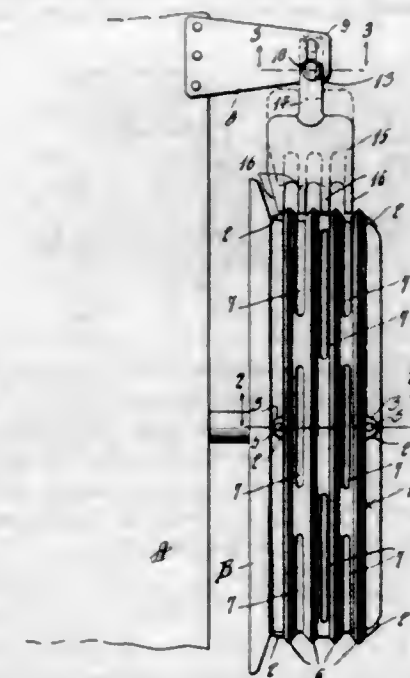
1. A demolition cartridge comprising a substantially unconfined explosive charge, a detonator within said charge, means normally rendering the detonator on exploding inoperative to detonate the charge, and manually-operated means for bringing the charge and the detonator into operative relation.

1,738,403. VALVE STRUCTURE FOR COMPRESSORS. EDWIN H. STEPMAN, St. Louis, Mo., assignor to Curtis Manufacturing Company, Wellston, Mo., a Corporation of Missouri. Filed July 15, 1927. Serial No. 206,010. 12 Claims. (Cl. 230-231.)



1. In a compressor, the combination of a cylinder head provided with a cylindrical bore, a substantially disk-shaped valve seat member in said bore arranged on a shoulder on the cylinder head and provided with inlet ports and discharge ports, valves for controlling said ports arranged to act on valve seats on the top and bottom faces of said member, abutment members arranged above and below the valve seat member, springs interposed between the valves and said abutment members, a gland in the upper end of the bore in the cylinder head, and a packing interposed between said gland and the upper valve abutment member.

1,738,404. ICE-CUTTING TIRE FOR CAR WHEELS AND SCRAPER THEREFOR. ROBERT K. TENNANT, Alcona, Ontario, Canada. Filed June 30, 1927. Serial No. 202,614. Renewed May 2, 1929. 2 Claims. (Cl. 295-34.)



1. A tire for car wheels, comprising a ring adapted to fit the tread of a car wheel, said ring having a plurality of circumferential ridges on its outer side, said ridges being tapered to cutting edges, and means to hold said ring in position on the wheel tread.

1,738,405. SCREW DRIVER. BERNHARD THAL, Chelsea, Mass., assignor, by direct and mesne assignments, to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 28, 1929. Serial No. 350,529. 5 Claims. (Cl. 145-50.)

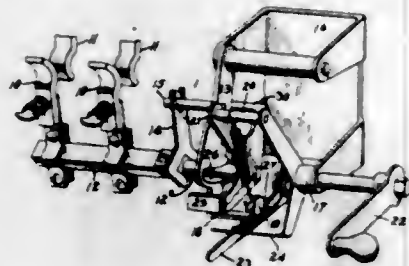


1. A screw driver comprising a shank provided with a screw-driving bit having two opposite side faces, one of the side faces being formed with sharp edged means for engaging and embedding itself in a wall of a screw-head kerf to resist both longitudinal and transverse slipping of the bit in the kerf during the turning movement of the screw driver.

1,738,406. ELECTRIC SWITCH AND OPERATING MEANS THEREFOR. GEORGE R. TOWNSEND, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 18, 1925. Serial No. 38,075. 6 Claims. (Cl. 200-70.)

1. Operating means for an electric switch having switch contact mechanism operable between two definite positions, comprising an operating member, an oscillating

member connected to said contact mechanism for operating the same between said positions, a spring interposed between said operating member and said oscillating member for imparting a snap action to the contact mechanism in response to movements of the operating member, an intermediate member operated by the operating member for operating the contact mechanism to and from said definite



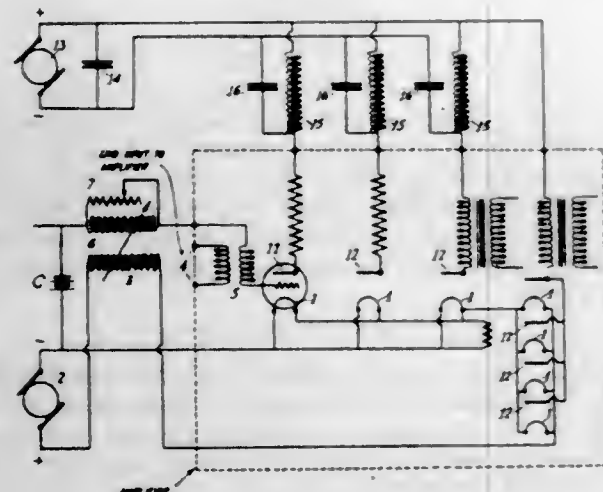
positions in response to movements of the operating member in case of failure of said spring, and a resiliently mounted catch cooperating with said oscillating member for holding the said contact mechanism in one of said positions, the said operating member being arranged to release said catch during the initial movement of the operating member to operate the switch.

1,738,407. LINK CHAIN. CHARLES R. TOSE, Centerdale, R. I., assignor to The Hadley Company, Providence, R. I., a Corporation of Rhode Island. Filed Oct. 16, 1928. Serial No. 312,824. 5 Claims. (Cl. 59-80.)



1. A chain comprising front plates with turned-down ends having integral overlapping ears provided with registering pivot openings for pivotally interconnecting the links, a tube bridging the inner ears at each side of a link with its bore in alignment with said openings, pin means sliding lengthwise in each tube with projections extending from the ends of the tube through said openings, and separate back plates bridging said ends, at the rear edges thereof, opposite sides of each back plate interengaging between the front plate and the adjacent tubes.

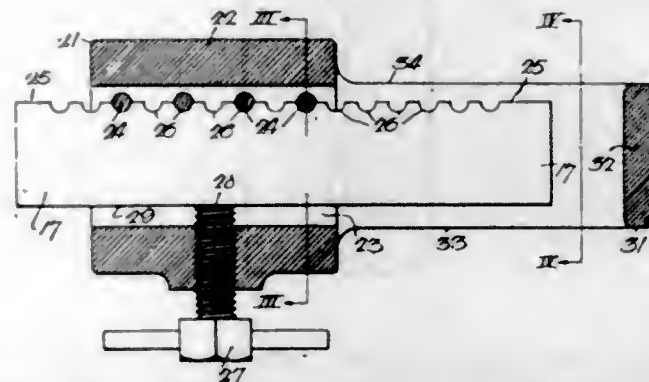
1,738,408. THERMIONIC AMPLIFIER. EDWARD HERBERT TRUMP, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Dec. 24, 1926, Serial No. 156,813, and in Great Britain Jan. 9, 1926. 9 Claims. (Cl. 179-171.)



1. A thermionic amplifier arrangement, comprising cathodes adapted to be heated by the power supply of a

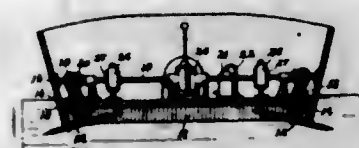
dynamo-electric machine, a choke coil in the lead to said cathodes, and a second choke coil in the grid circuit on the input side of the amplifier coupled to said first-mentioned coil, whereby interference by commutator ripple from the supply source is suppressed or minimized.

1,738,409. QUICK-ACTING SAFETY ABUTMENT. ANTHONY E. WEINGARTNER, Bethlehem, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 4, 1924. Serial No. 717,908. 9 Claims. (Cl. 74-17.)



7. In combination, pusher means for stoker apparatus provided with a plurality of slots forming a rack-like surface, and an abutment for said pusher means loosely mounted thereon, said abutment being provided with a plurality of safety pins spaced to engage certain of said slots depending upon the position of said abutment on said surface.

1,738,410. BOAT-PROPELLING MEANS. MAX W. WEIR, Newark, N. J. Filed Mar. 2, 1928. Serial No. 258,566. 11 Claims. (Cl. 114-86.5.)



6. A boat propelling means comprising in combination with a hull having a recess on its under surface and means for displacing the water from said recess, of a pair of laterally spaced flat disk-like members disposed at an inclination to the path of movement of the boat and each having at least half of its area arranged within the recess whereby not more than half of the same is in direct operating contact with the water.

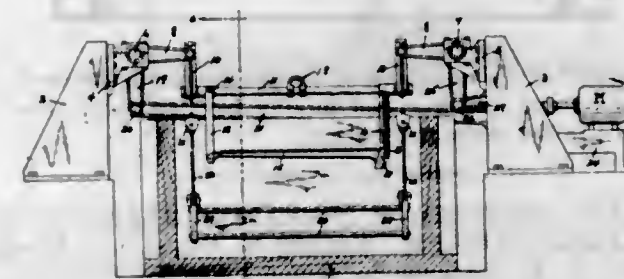
1,738,411. REST AND EXERCISING APPLIANCE FOR INFANTS. OLIVER P. WELCH, Saint Ignace, Mich. Filed Feb. 2, 1926. Serial No. 85,511. 2 Claims. (Cl. 5-348.)



1. A completely portable rest and exercising appliance for infants, including a floor pad of the pneumatic type constructed to maintain an even thickness under inflation, an air rail of materially greater diameter than the thick-

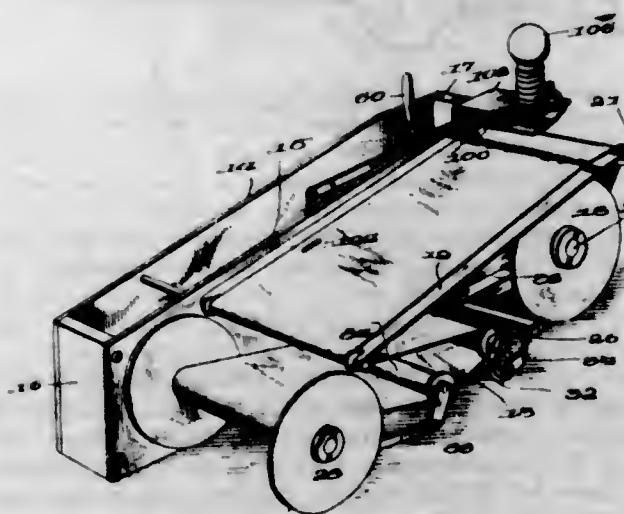
ness of the pad, said rail being independent of the pad and secured to the edge thereof to avoid projection below the lower surface of the pad, and an independent inflatable cushion removably secured centrally of the upper surface of the pad.

1,738,412. PICKLING APPARATUS. STEPHEN L. WILLIAMS, Bridgeport, Ohio, assignor to Extruded Metal Products Company, Bridgeport, Ohio, a Corporation of Ohio. Filed Mar. 22, 1929. Serial No. 349,067. 12 Claims. (Cl. 266-7.)



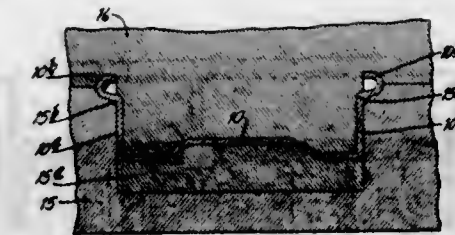
1. In a pickling apparatus, a pickling tank, a pair of shafts at the upper part and adjacent to the ends of the tank, a radial arm carried by each shaft, a wire coil carrier secured to the arms, a cradle within the tank, disposed with its axis to one side of the axis of the carrier, means to rigidly mount the cradle, and operating means for the shafts, said cradle having a curved portion to engage the wire coil as the latter moves downwardly so as to impart a rolling movement to the coil and to cause the convolutions of the coil to spread by impact against the cradle.

1,738,413. ROUTE INDICATOR. WILLIAM L. WINDSOR, 3d, Harrisburg, Pa. Filed Nov. 29, 1927. Serial No. 236,438. 12 Claims. (Cl. 40-42.)



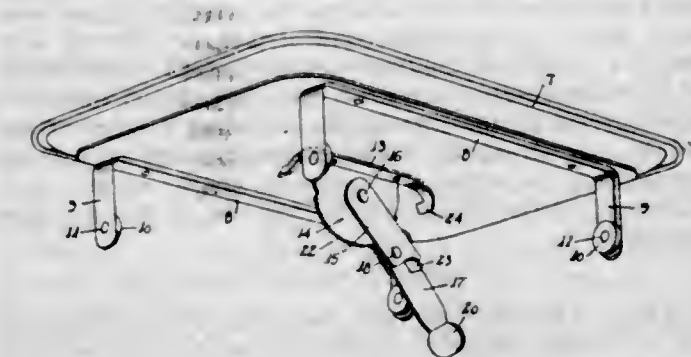
1. A route indicator comprising dispensing and receiving spools, a web having connection with said spools, a feed roller engaging said web independently of said spools, a driving device associated with said receiving spool and embodying a pawl and ratchet, and web actuated means to release said pawl from operative engagement with said ratchet wheel when the tension of the web exceeds a predetermined value.

1,738,414. PROCESS OF MAKING PRESSED-STEEL CAR WHEELS. JOHN R. WINTER, Warren, Ohio, assignor to Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Filed Dec. 22, 1928. Serial No. 328,019. 3 Claims. (Cl. 39-168.)



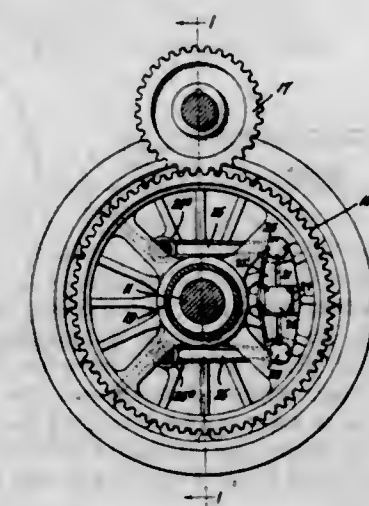
1. The process of making a pressed steel car wheel consisting of first dishing the metal to form the tread, then pressing and drawing the metal to thicken the tread and form an annular extension thereon, then bending the extension on itself to form the flange.

1,738,415. CURB-SERVICE TRAY. MAX A. WITTLINGER, Vernon, Tex. Filed Nov. 21, 1927. Serial No. 234,785. 6 Claims. (Cl. 45-51.)



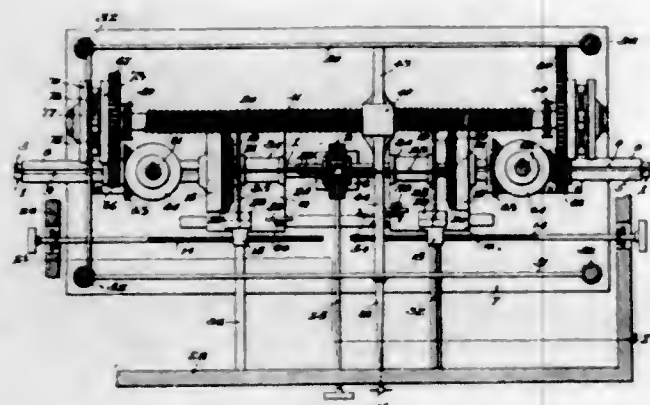
6. A tray having opposite depending portions either of which is adapted to bear against one side of a support, and reversible bracing means carried by the tray between said portions for contacting with the opposite side of the support, and cooperating with either of said depending portions to mount said tray on said support.

1,738,416. FLEXIBLE COUPLING. ROBERT G. ANDERSON, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed Dec. 23, 1927. Serial No. 242,215. 13 Claims. (Cl. 105-132.)



1. In combination with two rotatable elements, a flexible coupling comprising two members pivotally connected together intermediate the ends thereof and arranged with their ends on opposite sides of each other, and means for flexibly connecting said members to said rotatable elements.

1,738,417. TALKING-MACHINE DRIVE. IGNACIO LÓPEZ BANCALARI, Mexico, Mexico. Filed Aug. 15, 1927. Serial No. 213,082, and in Mexico May 3, 1927. 14 Claims. (Cl. 74-14.)



1. An automatic reversing drive, comprising a drive shaft; a pair of driven shafts to be rotated in alternation; a clutch connection between the drive shaft and each driven shaft; a spring-operated striker for closing each clutch; a catch for holding each striker in cocked position; a reciprocating traveler; operating means therefor; means carried by the traveler for releasing a catch at the end of each stroke in either direction; and means for automatically re-setting the released striker at the commencement of the stroke of the traveler in the opposite direction.

1,738,418. AIR DEFLECTOR. JOSEPH T. BOND, Phoenix, N. Y. Filed Sept. 7, 1926. Serial No. 134,065. 2 Claims. (Cl. 296-84.)

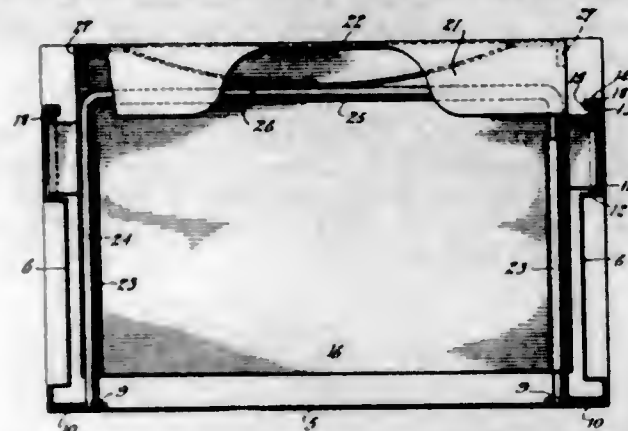


1. In combination with an automobile door having a window opening, an air deflector consisting of a transparent panel, and pivot supports between the door and the upper and lower edges of the panel, the pivots being offset from the outer face of the door and from the normal inner face of the panel, permitting rotation of the panel to reverse it and move it into and out of the door opening.

1,738,419. FOLLOWER FOR FILING-CABINET DRAWERS. ALEXANDER BURGER, New York, N. Y. Filed Mar. 7, 1929. Serial No. 345,113. 7 Claims. (Cl. 129-28.)

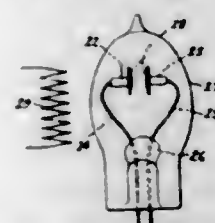
1. In a filing cabinet drawer, means providing longitudinally spaced keepers and a follower mounted in the drawer for guided movement and having detent means

adapted to engage with said keeper means to lock the follower against movement in one direction, said detent means



consisting of an inverted U-shaped member carried and guided by the follower and having beveled extremities at the free lower ends of the legs.

1,738,420. METHOD OF PREPARING ELECTRIC DISCHARGE DEVICES. ERNEST E. CHARLTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 26, 1926. Serial No. 97,717. 16 Claims. (Cl. 250-27.5.)



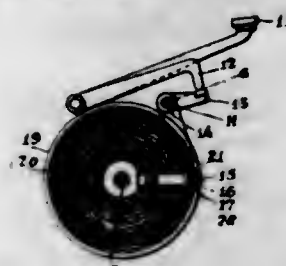
11. An electric discharge device containing a mixture of a compound of an alkali metal and a reducing material and means for heating said mixture to a reaction temperature.

1,738,421. TURRET STANDPIPE FOR FIRE HOSE. JOHN T. CORLEY, Providence, R. I. Filed Dec. 15, 1927. Serial No. 240,293. 5 Claims. (Cl. 299-73.)



1. A turret standpipe for fire hose, comprising a tubular turret body member, a Y-shaped head member mounted to swivel in said body member, a nozzle pivotally mounted in said head member, and a plurality of spaced supporting members positioned respectively on opposite sides of said swivel connection for supporting, steadying and retaining the same on the ground when the nozzle is inclined upwardly and under action.

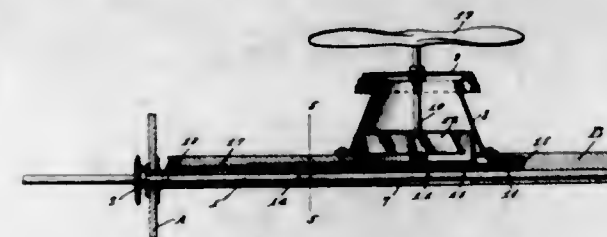
1,738,422. PRINTING MACHINE PARTICULARLY FOR TICKETS, TICKETS OF ADMISSION, RECEIPTS, AND THE LIKE. GASTON CORSE, Paris, France, assignor to Etablissements L. Chambon, Paris, France. Filed July 14, 1927. Serial No. 205,699, and in Germany Aug. 10, 1926. 7 Claims. (Cl. 101-91.)



1. A device for controlling printing wheels, having characters of interchangeable composition and carried by a

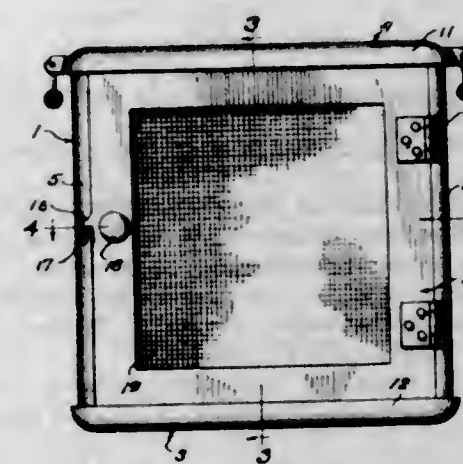
rotating drum, comprising concentric circular grooves coaxial with the rotational axis of said drum, a selectively positioned member controlling the position of said wheel, and means to maintain said member in contact with one of the circular grooves throughout one rotation of said drum.

1,738,423. AEROPLANE. LOTT F. COVATCH, Rossiter, Pa. Filed Feb. 15, 1929. Serial No. 340,168. 4 Claims. (Cl. 244-15.)



1. An aeroplane comprising a fuselage, wings connected with the sides thereof, each wing having a vertical opening therein, a frusto-conical casing carried by each wing with its lower end in communication with the opening, a fan shaft journaled in the housing, a fan on the lower end of the shaft, a propeller on the upper end of the shaft above the housing, shutters for closing the openings.

1,738,424. PASTRY STORAGE AND CARRIER DEVICE. FLORENCE EAKLE, West Alexandria, Ohio. Filed Mar. 5, 1928. Serial No. 250,280. 1 Claim. (Cl. 45-71.)

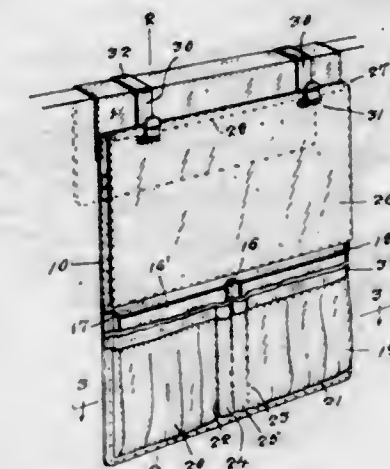


In a device of the class described, a body including side, top, bottom, and rear walls, the said walls comprising frame members of arcuate cross sectional contour having their end portions longitudinally curved, associated ones of the said members having their said end portions overlapped and interfitted and untied to one another, the frame members between the adjacent sides of the adjacent walls being common to said adjacent walls, a foraminous lining for the said body extending entirely over the inner sides of all of said walls, a door for closing the front of the body and comprising a frame and a foraminous sheet extending over the frame, and a shelf within the body.

1,738,425. LETTER-CARRIER'S POUCH. FRANKLIN P. EVANS, Caryville, Fla. Filed Apr. 25, 1928. Serial No. 272,794. 1 Claim. (Cl. 150-14.)

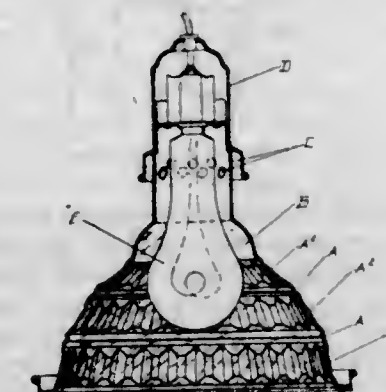
A carrier's pouch comprising a strip having a multiplicity of auxiliary strips carried upon the outer face thereof and adapted to provide a multiplicity of pockets, elastic bands carried within the entrance openings of the lowermost of the pockets to hold same normally closed, a flap

carried upon the upper portion of the strip adapted to be extended over the uppermost of the pockets, a protective strip also carried by the strip adjacent the flap, a rib carried beneath the fold of the flap, hook members having



connection with the flap beneath the rib, and channel portions carried upon the upper ends of the hooks and inverted to extend over the protective strip to prevent bagging of the initial strip in the middle.

1,738,426. LIGHT REFLECTOR. EVERETT L. FINKLESTEIN, Dorchester, Mass., assignor to Sunshine Incorporated, Lynn, Mass., a Corporation. Filed Mar. 10, 1928. Serial No. 260,649. 2 Claims. (Cl. 240-103.)

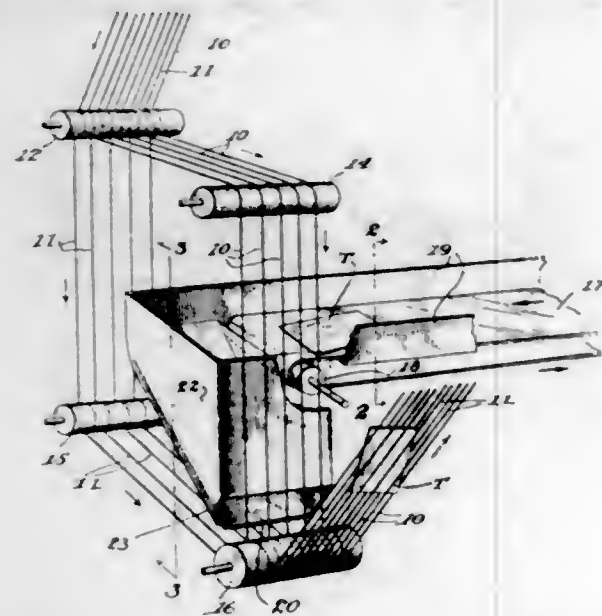


1. A light reflector comprising a hollow member, means at the inner end of said member for retaining a light bulb therein, said member flaring towards its outer end, and a plurality of formations of frusto-pyramidal shape constituting a major portion at least of the inner reflecting surface of said member.

1,738,427. CONVEYER SYSTEM. FRANCIS GRIFFITH, Passaic, N. J., and PAUL J. BIRKMEYER and HAROLD G. LIFE, Brooklyn, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Apr. 8, 1929. Serial No. 353,553. 7 Claims. (Cl. 198-190.)

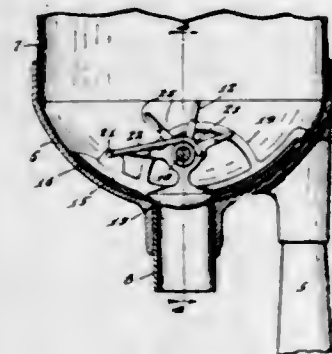
1. The combination with a conveyer system comprising a series of laterally spaced normally parallel strands, and means to deflect certain of said strands out of the path of the remaining strands and to return them to the path

of said remaining strands whereby to form a shed; of a second conveyer having at least one portion lying within



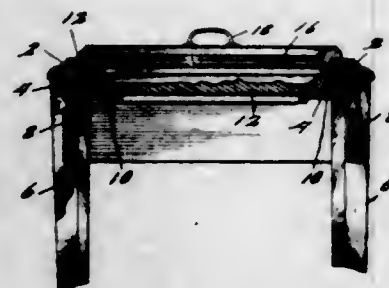
the shed thus formed, and means whereby articles conveyed by one of said conveyers may be transferred to the other.

1,738,428. DISPENSING MACHINE. SIGVORT HANSON, Racine, Wis., assignor to Racine Dispenser Manufacturing Company, Racine, Wis., a Corporation. Filed Mar. 13, 1929. Serial No. 346,711. 5 Claims. (Cl. 221-66.)



1. In a dispenser, a material receiving container, a discharger therein, a rock-shaft supporting the discharger, an agitator embodying a frame adjacent the discharger, means connecting the discharger and frame, and means for rocking said shaft and discharger and to simultaneously reciprocate the frame along the bottom of the container to agitate material to be dispensed by the discharger.

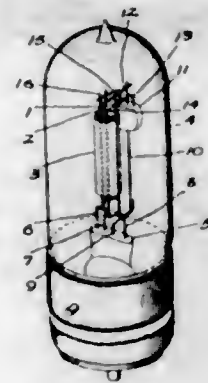
1,738,429. COFFEE TABLE. JOSEPH J. HEYMAN, Chicago, Ill., assignor to Milano Furniture Company, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1927. Serial No. 223,365. 6 Claims. (Cl. 45-31.)



1. In a coffee table or the like, the combination of a table having depending legs and forming a rigid upper frame providing a countersunk seat, a panel having an

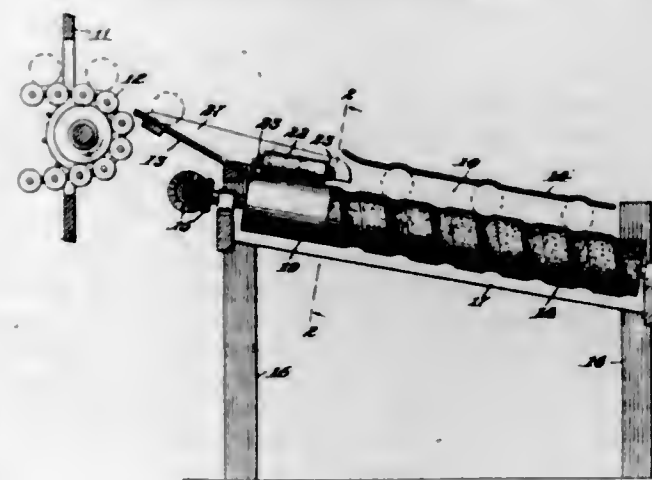
ornamental top and provided with an outstanding flange adapted to seat within the countersunk seat of the table top whereby said panel is held from inadvertent movement in said table top, but may be freely detached therefrom, and a tray comprising a frame with a glass panel, said tray frame being of size to fit snugly in the countersunk seat of the table and to be supported by the flange of the ornamental panel.

1,738,430. ELECTRON-DISCHARGE DEVICE. HENRY W. JACKSON, East Orange, N. J., assignor to General Electric Company, a Corporation of New York. Filed Dec. 12, 1923. Serial No. 680,238. 4 Claims. (Cl. 250-27.5.)



1. The combination in an electron discharge device of a cathode adapted to emit electrons, a helical grid and a cylindrical anode surrounding said cathode, a stem, leading-in conductors for said electrodes extending through said stem, three of said leading-in conductors serving to support the ends of said electrodes nearest the stem and a fourth leading-in conductor serving to support the ends of said electrodes remote from the stem, the support between said conductor and the end of the cathode being rigid.

1,738,431. APPARATUS FOR COATING ARTICLES. CHARLES MURDOCK JAMIESON, Winter Haven, Fla., assignor, by mesne assignments, to Brodrex Company Winter Haven, Fla., a Corporation of Florida. Filed Feb. 14, 1922. Serial No. 536,552. Renewed May 4, 1929. 19 Claims. (Cl. 91-54.)

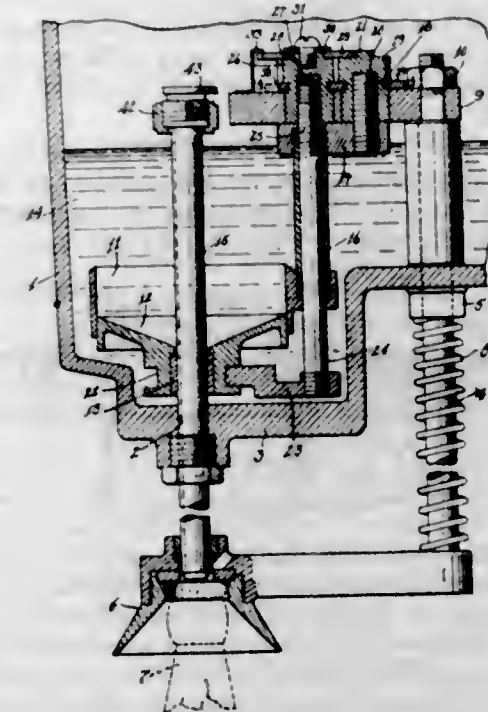


4. Apparatus for coating fruit or like articles comprising the combination, with a traveling carrier device, and means for supplying coating material thereto, of means for delivering the articles to be coated to said carriage device for application of said coating material thereto, said carrier device being arranged to impart a rolling movement to said articles in contact with said coating material upon

said carrier device, and means arranged to receive articles from said carrier device and operative to distribute thereover coating material applied thereto by said carrier.

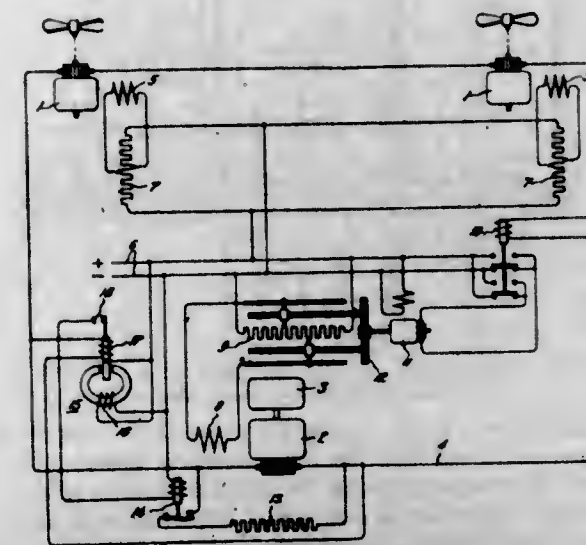
6. In an apparatus for coating fruit or like articles, the combination of a traveling conveyor belt adapted to transport the articles in the direction of travel of the belt and arranged at an inclination to cause rolling movement of the articles over the surface of the belt, and means for spreading a coating material upon said belt.

1,738,432. FILLING MECHANISM. JAMES KANTOR, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Filed Mar. 28, 1927. Serial No. 179,084. 5 Claims. (Cl. 226-102.)



4. In a device of the type described, a measuring cup comprising a body portion and a bottom portion movably disposed in said body portion, gears, and gear actuated means operatively connected to said gears for moving said body portion and said bottom portion simultaneously with respect to each other.

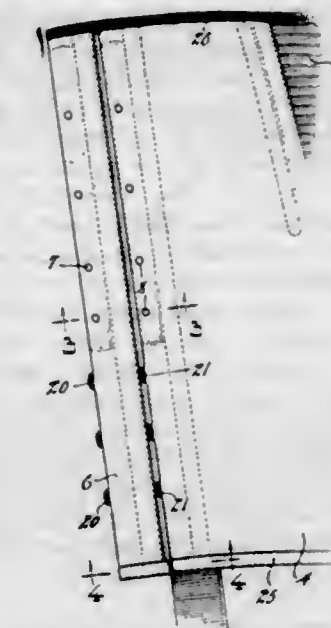
1,738,433. POWER SYSTEM. DENNIS E. JEWITT, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1926. Serial No. 157,272, and in Great Britain Jan. 26, 1926. 4 Claims. (Cl. 172-S.)



1. In combination, a generating set comprising a generator, a load motor adapted to operate as a generator for

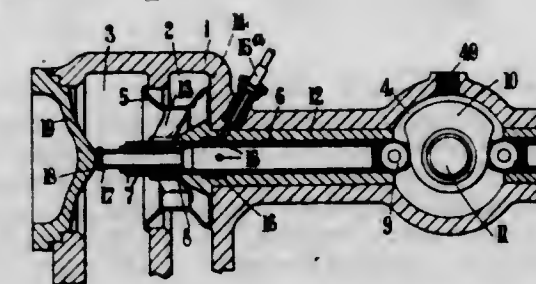
dynamic braking having its armature in series relation in a local circuit with the armature of said generator, means responsive to the current in said local circuit for maintaining the current therein substantially constant, energy absorbing means, and means for applying said energy absorbing means to the generating set approximately when the power passes through zero during regenerative braking.

1,738,434. CORSET. JOSEPH J. KISPERT, Bradford, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a Corporation of Connecticut. Filed Dec. 27, 1927. Serial No. 242,774. 2 Claims. (Cl. 2-38.)



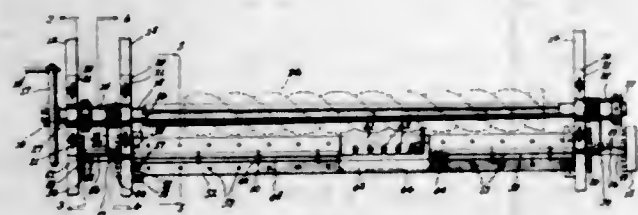
1. A wrap-around corset formed with a body open at the front, an independent section normally permanently secured to one edge of the front of the corset so as to act as a continuation thereof, means on said independent section presenting a cutting line which is independent of said body, whereby when said body has been stretched, said independent section may be removed without injuring said body by cutting along said cutting line, a row of fastening means on the front edge of the corset, a second row of fastening means on the edge of said continuation, said second row being parallel to the first row, and a row of co-acting fastening means on the opposite edge of the corset, said last mentioned fastening means co-acting with the row of fastening means on the continuation when the corset is new and with the first mentioned row of fastening means when said independent section has been removed.

1,738,435. CAM-OPERATED BALANCED VALVE GEAR FOR STEAM LOCOMOTIVES AND LIKE ENGINES. JOHANN KUPKA, London, England. Filed June 28, 1926. Serial No. 119,177, and in Great Britain July 24, 1925. 8 Claims. (Cl. 121-185.)



1. Valve actuating mechanism for steam engines, comprising a hollow valve stem having its interior isolated from the valve chest, a piston slidably mounted at one end of said valve stem, a cover plate with which the piston is in contact, a valve associated with said stem, a cam for actuating said valve stem to move the valve into its open position, and means for supplying fluid under pressure into the interior of the valve stem to maintain the end of said valve stem in contact with said cam.

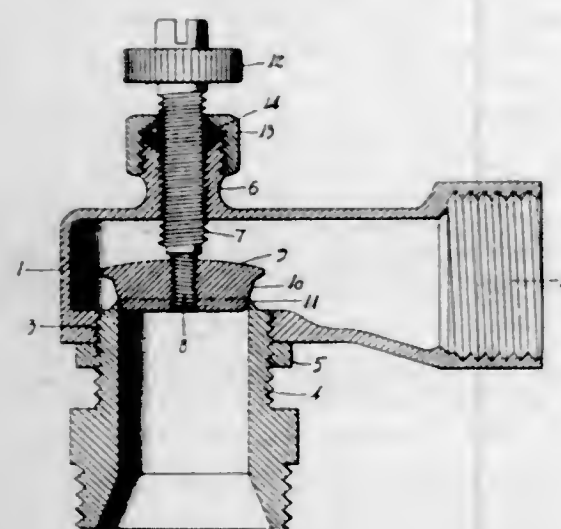
1,738,436. LATHE. VICTOR LACHIN, New Orleans, La. Filed Jan. 12, 1929. Serial No. 532,182. 7 Claims. (Cl. 82-2.)



1. In a lathe, a rotary work support, a carriage movable lengthwise of the support, a cutting tool mounted on the carriage, drums removably affixed to said work support and rotating therewith, adjustable cable guides adjacent said drums, a cable wound in one direction on one of the drums trained about one of the guides and connected to one edge of the carriage, and a second cable wound in the reversely opposite direction about the other drum trained about the adjacent guide and connected to the opposite end of said carriage.

7. In a lathe, a rotary work support, a carriage movable beside the work support, cutting means supported by said carriage, cables connected to opposite ends of said carriage, and drums on which the cables are wound in relatively reverse directions, said drums composed of two half sections longitudinally divided on substantially Z-shaped flues for interfitting together and having clamping parts formed with the sections for engaging about the work support, and means engageable with said clamp parts for securing the same to the work support.

1,738,437. VALVE. JESSE D. LANGDON, Los Angeles, Calif., assignor to Langdon Engineering Corporation, Los Angeles, Calif. Filed Dec. 15, 1927. Serial No. 240,297. 1 Claim. (Cl. 251-167.)

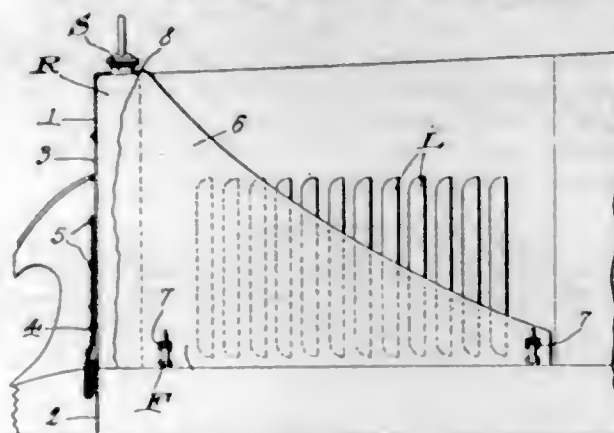


A valve comprising a casing, a nipple screw-threaded therein and having its inner end bevelled to form a sharp edge, a stem screw-threaded within the casing opposite to said nipple, and a valve member on said stem having a conical surface to seat within said edge with a scraping action, said edge projecting in a direction opposite to the direction of seating movement of said valve member.

1,738,438. HOOD COVER. EMIL LEHMANN, Rhineland, Wis., assignor of one-half to Rudolph A. Riek, Rhineland, Wis. Filed Jan. 18, 1927. Serial No. 161,849. 1 Claim. (Cl. 257-132.)

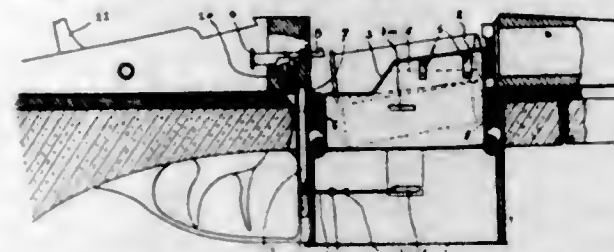
A hood cover including a front portion adapted to extend across and around a radiator, and wings extending from the sides of said front portion having their upper

edges inclined downwardly and rearwardly from the top of the radiator engaging portion of the cover and integral therewith, either of said wings being foldable forwardly to permit raising one side of the hood to which the cover is connected.



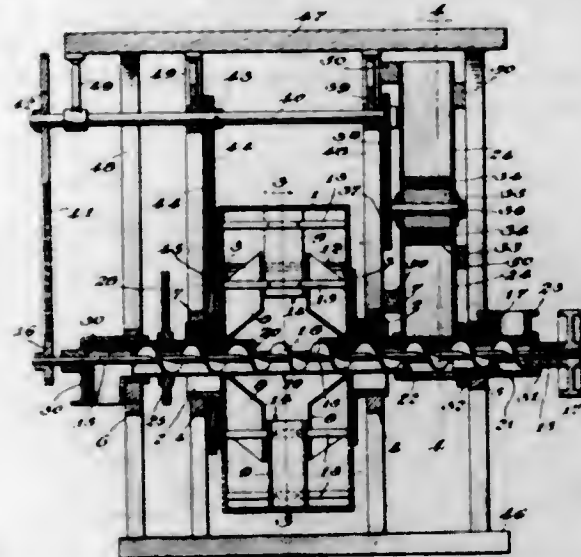
therewith, either of said wings being foldable forwardly to permit raising one side of the hood to which the cover is connected.

1,738,439. AUTOMATIC GUN. CHARLES LEVY, Cannes, France. Filed Apr. 25, 1927. Serial No. 186,593, and in France May 15, 1926. 2 Claims. (Cl. 42-18.)



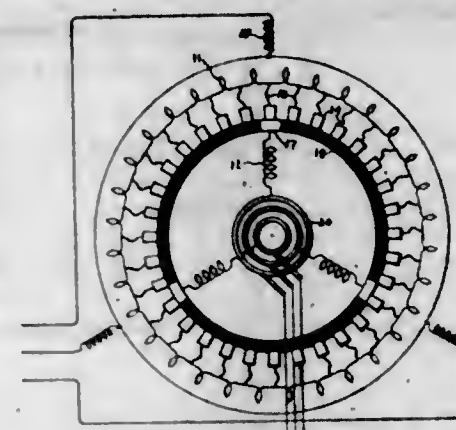
2. Optionally repeating fixed barrel sporting gun comprising a magazine for holding the cartridge, a movable knob controlling the position of an extractor and the operation of said magazine, said knob acting upon said magazine through a transmission system actuated by the opening of said gun including a member having its position varied by selective manipulation of the knob, said knob being provided with a cam adapted to act upon said member upon selective manipulative movement of said knob, said transmission means including a bolt actuated by said member and releasing said magazine.

1,738,440. MIXING APPARATUS. ANGUS D. MACLELLAN, Owensboro, Ky. Filed Aug. 18, 1926. Serial No. 130,005. 17 Claims. (Cl. 259-9.)



1. Apparatus of the character described comprising a drum, means to revolve the drum, means passing through the drum for conveyance of the material to be acted upon by the apparatus, means carried by the drum and revolving therewith for mixing the material, and means for adjusting the conveying means to either introduce ingredients to the drum in one instance and to conduct the mixture from the drum in another instance.

1,738,441. DYNAMO-ELECTRIC MACHINE. ARTHUR H. MAGGS, Keynsham, near Bristol, England, assignor to General Electric Company, a Corporation of New York. Filed Mar. 23, 1928. Serial No. 264,159, and in Great Britain May 11, 1927. 2 Claims. (Cl. 172-280.)



1. A compensated induction machine comprising a primary stator winding member, and a secondary rotor winding member, a secondary winding on the rotor member, a distributed winding on the primary member and commutator means connected between said stator and rotor windings whereby phase compensating currents may be conveyed to the secondary winding from the winding on the stator, said commutating means comprising a plurality of brushes corresponding to the segments of the commutator in that they are connected to the winding on the primary member as the segments of a commutator are connected to a commutated winding, and a rotary commutator member upon which said brushes bear, said member having spaced conducting segments connected to the secondary winding, the spacing of said conducting segments corresponding to the phase and pole spacing of the secondary winding parts to which they are connected.

1,738,442. STORMPROOF ROLLER CURTAIN. CLARENCE H. MEADER, St. Paul, Minn. Filed Mar. 23, 1928. Serial No. 264,104. 1 Claim. (Cl. 296-143.)

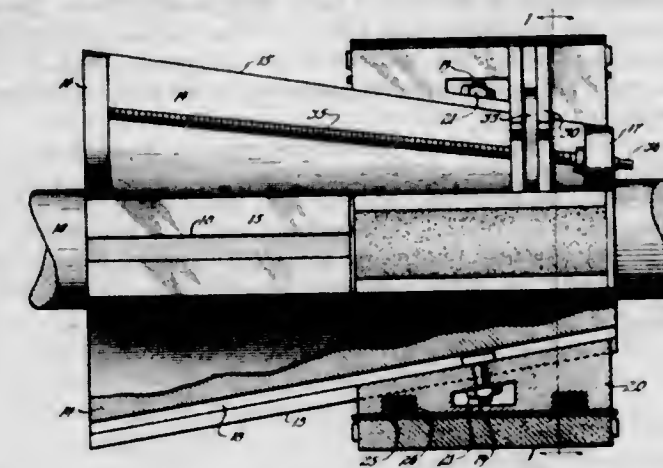


In a curtain mounting, an elongated housing, a hollow substantially cylindrical closure member having a disk at each end thereof and mounted for rotary movement within the housing, said member having an elongated opening therein, a flange extending along one edge of the opening, a spring influenced roller mounted for rotation within the hollow cylindrical member, a curtain wound upon the roller and extending through the housing, and spring means to yieldingly hold the flanged end of the closure member in contact with the curtain.

1,738,443. CYLINDER-BORE POLISHING AND FINISHING ATTACHMENT. ROBERT L. MEAUX, Eunice, La. Filed Nov. 12, 1927. Serial No. 232,865. 4 Claims. (Cl. 51-184.1.)

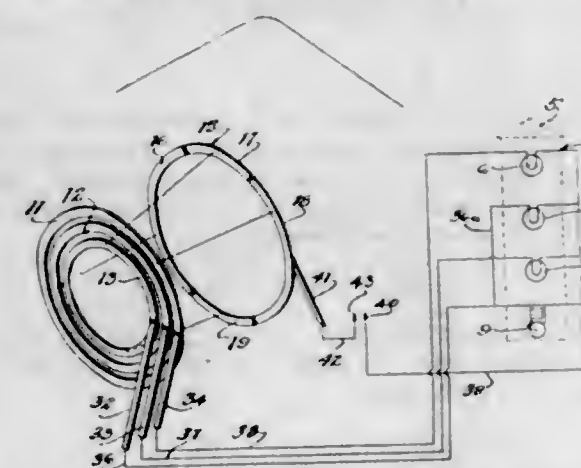
1. A machine tool attachment for finishing cylinder bores, including a body keyed to an operating shaft, a plu-

rality of carriage blocks mounted on the body and radially adjustable relatively to the longitudinal axis of the shaft, bones mounted on the carriage blocks, and springs urging the bones outwardly into engagement with a surface to be



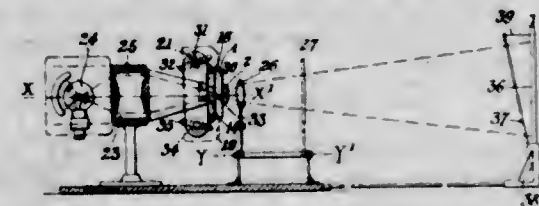
finished, said body including radial extensions having inclined outer faces along which the carriage blocks are slidable, the blocks being keyed to the extensions for sliding movement along the inclined faces thereof.

1,738,444. AUTOMATIC CIRCUIT CLOSER FOR ELECTRIC SIGNAL LIGHTS AND SIGNS. WILLIAM E. NAGEM, Lake Charles, La. Filed Dec. 10, 1927. Serial No. 239,158. 4 Claims. (Cl. 200-24.)



2. A flasher for traffic signals and the like comprising a revolvably mounted disk having a plurality of annular contacts on one face, and a series of segmental contacts on the other face, the segmental contacts being arranged in circumferential alignment, stationary contacts for engagement with the annular contacts and adapted to be connected with the lights to be energized, said segmental and annular contacts being electrically connected so that when one of the segments is energized, the corresponding annular contact will be correspondingly energized, and a contactor arranged in the path of said segmental contacts and adapted to be connected with an electric source.

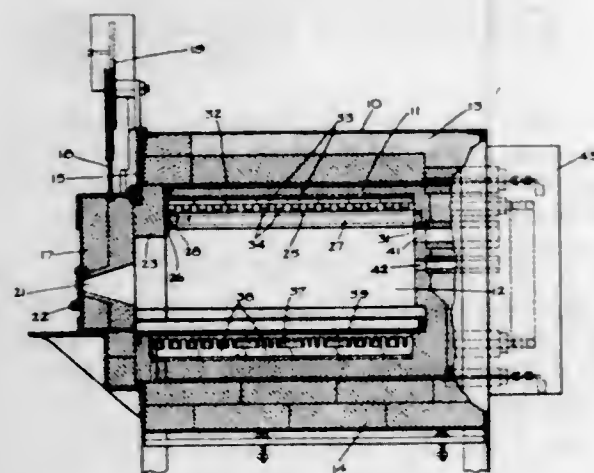
1,738,445. PHOTOGRAPHIC APPARATUS ADAPTED FOR VIEW-TAKING ENLARGEMENTS AND SCREEN PROJECTION. ETIENNE OHRMICHES, Valentigney, France. Filed Nov. 16, 1925. Serial No. 69,467, and in France Apr. 21, 1925. 8 Claims. (Cl. 88-24.)



1. In an apparatus for the enlarging of photographs, the combination of a screen projection apparatus, a screen

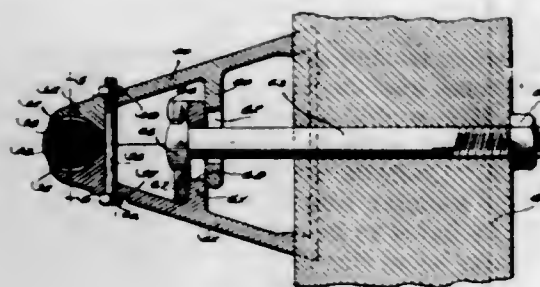
mounted in front of said apparatus and adapted to receive a sheet of photographic paper, a converging lens removably placed before the said projection apparatus, a small screen removably disposed between the said lens and the first-mentioned screen, said lens and small screen being adapted to be placed in front of the screen projection apparatus during the centering of the image, and to be removed when the view is projected upon the first-mentioned screen.

1,738,446. ELECTRIC FURNACE. ALBERT N. OTIS and GEORGE W. HEGEL, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Oct. 24, 1928. Serial No. 314,752. 11 Claims. (Cl. 266—1.5.)



1. In an electric furnace, heat insulating top, bottom and side walls defining a heating chamber, a removable heat refractory framework supported by said side walls, and an electric heating resistor removably mounted on said framework so as to secure said framework in position.

1,738,447. CABLE GUARD. IRVING E. QUIST, Warren, Minn. Filed Apr. 3, 1929. Serial No. 352,231. 6 Claims. (Cl. 248—31.)

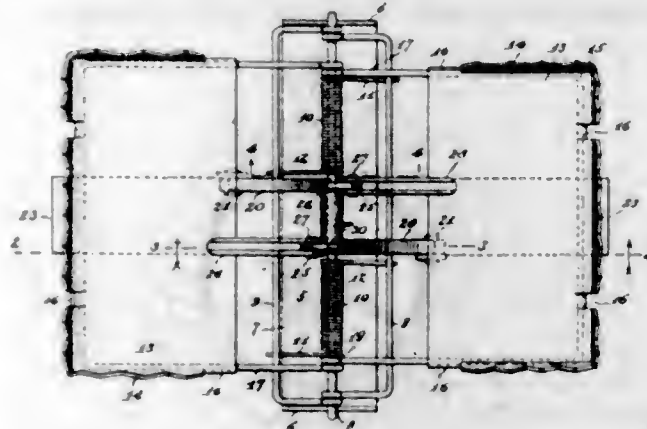


1. A cable guard comprising a pair of interfitting sections, each section including a plate having lateral flanges at the edges thereof, a slotted attaching flange projecting from the inner face of each plate and intermediate the ends of the plates, the attaching flanges being adapted to overlap with the slots aligning when the sections are fitted together, a securing bolt passing through the aligned slots and having means engaging an attaching flange for securing the sections together and for drawing the inner ends of the plates in rigid relation with a fixed support, and cooperating means on the outer ends of the sections for receiving and supporting a cable.

1,738,448. ANIMAL TRAP. JAMES A. ROLLINS, Denison, Iowa. Filed Aug. 31, 1928. Serial No. 303,343. 3 Claims. (Cl. 43—88.)

1. A trap comprising a pivoted jaw, a yoke having a spring to press it against a part of the jaw, a pivoted de-

tent arm, a pivoted latch having a hooked terminal receiving the end of said arm and held thereagainst by the

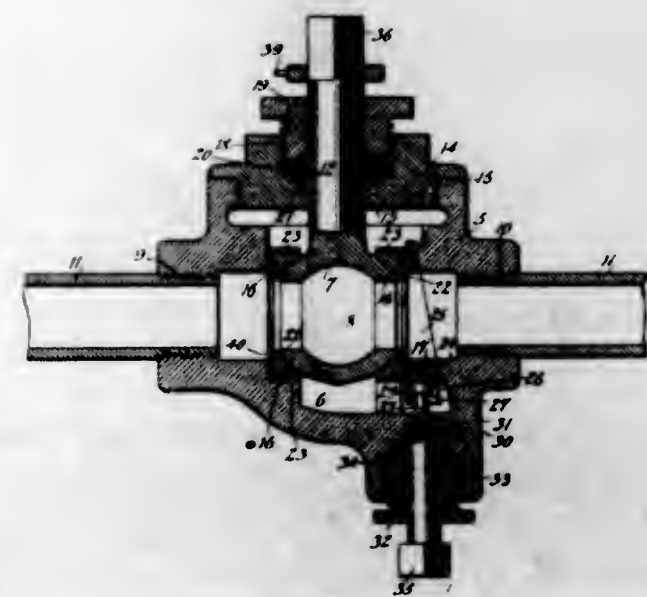


tension of said spring, and a trigger fulcrumed on the latch having a shoulder bearing against the latch and constituting a rule-joint.

1,738,449. ACRIDINE DERIVATIVE FOR THERAPEUTICAL PURPOSES. ERNST ROTHLIN and FRITZ MÜLLER, Basel, Switzerland, assignors to the Firm Chemical Works formerly Sandoz, Basel, Switzerland. Filed Dec. 22, 1927. Serial No. 242,008, and in Switzerland Jan. 6, 1927. 7 Claims. (Cl. 260—36.)

7. As a new article of manufacture, the cholate of 2-ethoxy-6,9-diaminoacridine, forming orange yellow to yellow crystalline and microcrystalline powder, soluble in hot alcohol and methanol, nearly insoluble in water and ether, possessing a strong antiparasitic action.

1,738,450. VALVE. EDWARD F. RYAN, Binghamton, and EDWARD T. ADAMS, Johnson City, N. Y., assignors to The Fairbanks Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 13, 1928. Serial No. 325,792. 11 Claims. (Cl. 25—113.)



3. In a valve, a casing having ports, a seating member in the casing, the casing having an inner face inclined relatively to the normal position of the seating member and spaced from one side of the seating member, a valve member in the casing at the other side of the seating member, a wedge adjustable in the casing between the seating member and the inclined face of the casing to press the seating member against the valve member, the casing having an opening through its outer wall with a transverse area greater than the parallel transverse area occupied

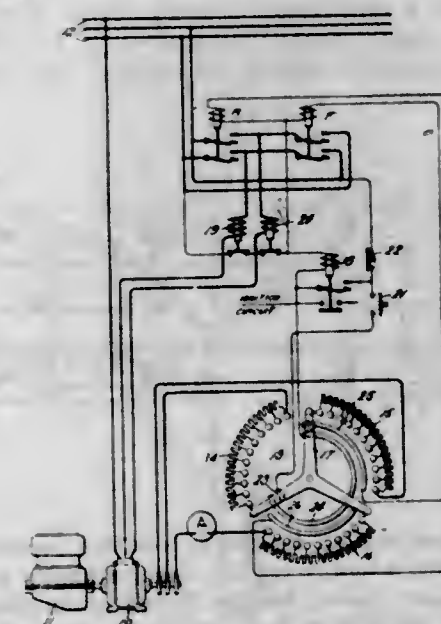
by the seating member and the valve member, the said opening being unobstructed to permit the removal of the seating member and the valve member through the opening in the casing, a cap for closing the opening in the casing and having an opening therethrough, means to move the wedge relatively to the casing, the said means being spaced from the said openings to offer a free passage for the seating member and the valve member through the opening and means extending through the opening in the cap for operating the valve member.

1,738,451. LIGHTER. KARL SCHREIBER, Erlangen, near Nuremberg, Germany, assignor to M. E. Bernhardt Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 4, 1928. Serial No. 297,479, and in Germany Aug. 29, 1927. 4 Claims. (Cl. 67—71.)



2. A device of the character described including a casing having an opening in its wall, a flanged disk mounted in the casing, having an opening in the flange adapted to register with the opening in the casing, a knob secured to said flange adapted to turn the same by manual manipulation, said disk having opposed concentric slots therein, pins on the casing projecting into said slots, a lighter mechanism including a reservoir pivotally connected to one of said pins, a slot and pin connection between said reservoir and the disk whereby the turning movement of the disk causes the reservoir to be moved toward and away from said opening, a sparking wheel carried by the reservoir, sparking material carried by the reservoir in engagement with the wheel, and a wick carrier adjacent the wheel, said sparking wheel and wick carrier being movable through said opening when the disk is turned in one direction and moved into and enclosed in the casing when the disk is moved in the opposite direction.

1,738,452. SYSTEM AND APPARATUS FOR TESTING PRIME MOVERS. CARL F. SCOTT, East Orange, N. J., assignor to General Electric Company, a Corporation of New York. Filed Sept. 5, 1923. Serial No. 661,070. 4 Claims. (Cl. 172—274.)

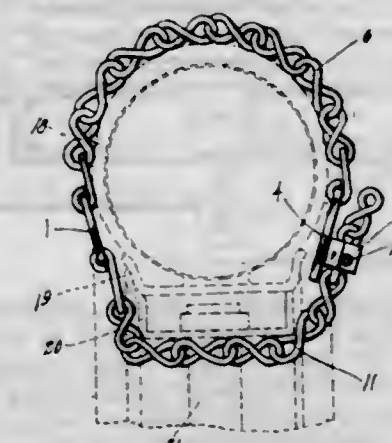


1. The combination with an alternating current dynamo electric machine of the wound rotor type arranged either

to operate as a motor or to be driven to supply a load, a variable resistance rheostat included in the secondary of said machine, electroresponsive switch mechanism for connecting said machine to a source of supply for forward or reverse motor operation, and electrical connection between the said rheostat and the said switch mechanism through which the rheostat is effective to control the switch mechanism, whereby operating the said rheostat in one direction successively reduces the resistance in the secondary circuit of said machine, and then effects the operation of said switch mechanism to reverse the connection of the machine to the source of supply and includes the resistance of the rheostat in the secondary of said machine, and then reduces the effective resistance of said rheostat.

2. The combination with an alternating current dynamo electric machine of the wound rotor type arranged either to operate as a motor or to be driven to supply a load, a variable resistance rheostat included in the secondary of said machine, electroresponsive switch mechanism for connecting the machine to a source of supply for forward or reverse operation, and electrical connections between the said rheostat and the said switch mechanism through which the rheostat effects control of the switch mechanism, whereby the said rheostat must be in a position to include a substantial part of the resistance of said rheostat in the secondary of said machine in order to energize the switch mechanism for forward operation, and a subsequent movement of the rheostat in one direction successively decreases the effective portion of the resistance of the rheostat, then effects the operation of said switch mechanism to reverse the connection of the machine to the source of supply, and then decreases the effective portion of the resistance of said rheostat.

1,738,453. ATTACHMENT FOR VEHICLE WHEELS. JOHN C. SHELTER, Maywood, Ill., assignor to Walter B. Hintze, Chicago, Ill. Filed Feb. 6, 1928. Serial No. 252,240. 5 Claims. (Cl. 24—116.)

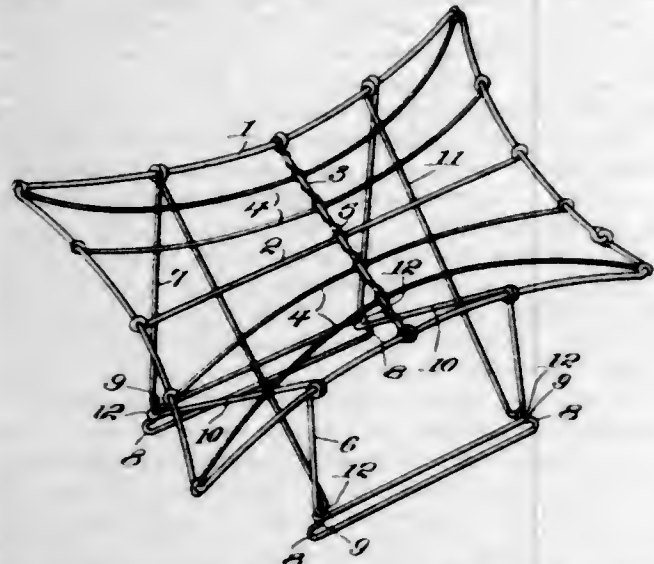


1. A device of the type described comprising a retaining member, a friction member having one end secured to said retaining member, a flexible securing member, means for securing said friction member to one end of said securing member, arms disposed upon said retaining member at spaced-apart positions and arranged to receive said securing member therebetween, and means carried by said arms for holding said securing member against displacement.

1,738,454. FLORAL-PILLOW SUPPORT. STEPHEN SHUKO, Boston, Mass. Filed Feb. 11, 1929. Serial No. 339,132. 2 Claims. (Cl. 211—181.)

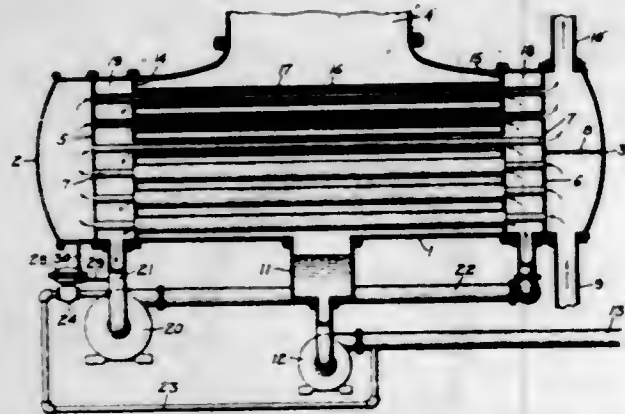
1. A device of the class described comprising a frame, a yoke member having its limbs pivotally connected with the front of the frame, a rear yoke member having the ends of its limbs pivotally connected with the rear of the frame, a rearwardly extending brace member of yoke shape having its limbs pivotally connected with the front of the frame,

a forwardly extending brace member of yoke shape having the ends of its limbs pivotally connected with the rear of the frame, portions of the brace members slidingly engaging the limbs of the front and rear yoke members, the



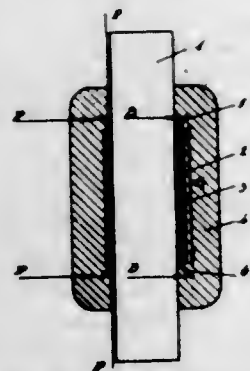
front yoke member being shorter than the rear member and means for locking the brace members to the outer portions of the front and rear yoke members to hold said front and rear members in vertical position whereby said members will support the frame in inclined position.

1,738,453. STEAM CONDENSER. ARTHUR R. SMITH, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 10, 1927. Serial No. 239,044. 7 Claims. (Cl. 257-28.)



1. The combination with a surface condenser comprising means forming passages for the flow of cooling water, of means whereby there is maintained around said passage-forming means throughout their length a pressure higher than that within such passages whereby any leakage will be into the cooling water passages.

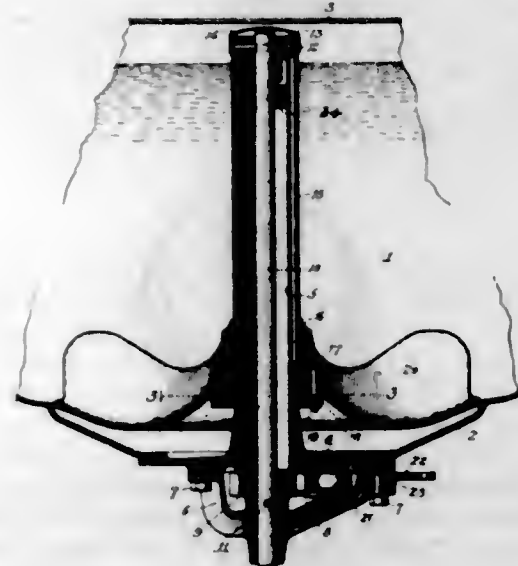
1,738,456. RESISTANCE ELEMENT. WYTYE BEIJE SMITS, Kassel-Wilhelmshöhe, Germany. Filed June 30, 1928, Serial No. 289,477, and in Czechoslovakia Feb. 23, 1928. 3 Claims. (Cl. 201-64.)



1. An electrical heat resistance unit comprising insulated resistance wires, a metal core about which said wires are

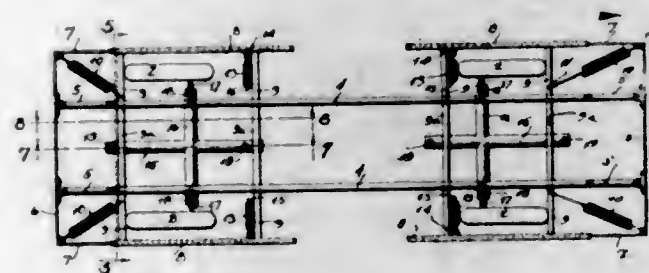
wound, and a metallic enclosure cast about the core and resistance wires, the ends of the core being outwardly directed whereby a seal will be maintained between the parts upon expansion or contraction of the core and enclosure.

1,738,457. WASHING MACHINE. HOWARD F. SNYDER, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a Corporation of Delaware. Filed Mar. 25, 1926. Serial No. 97,176. 7 Claims. (Cl. 239-101.)



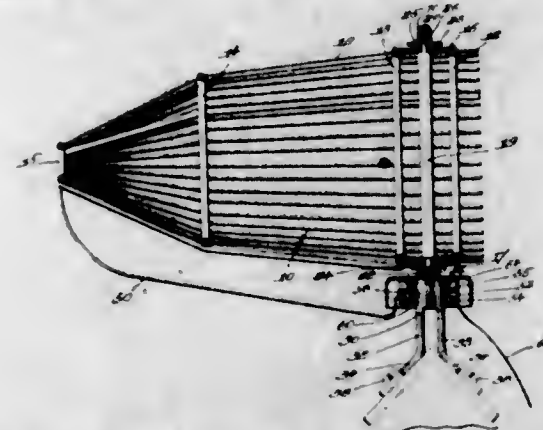
1. In a washing machine, the combination of a tub having an aperture in its bottom, a tube mounted in the aperture and upstanding in the tub, a drive shaft passing through the tube and extending through and below the lower end of the tube, a bearing for the lower end of the shaft, a bearing between the upper end of the shaft and the upper end of the tube, a spacing member rigidly fastened to the upper end of the shaft and projecting beyond the upper end of the tube, a sleeve extending above the upper end of the tube extending downwardly adjacent the bottom of the tub, the upper end of said sleeve being secured to said spacing member, said sleeve being spaced from the tube except for a bearing sleeve disposed between the lower exterior wall of the tube and the inner lower wall of the sleeve, and a liquid impelling member mounted on the lower portion of the sleeve for rotation therewith.

1,738,458. BUMPER MECHANISM FOR MOTOR VEHICLES. PIETRO SORCE, Rochester, N. Y. Filed Oct. 2, 1928. Serial No. 309,837. 8 Claims. (Cl. 293-30.)



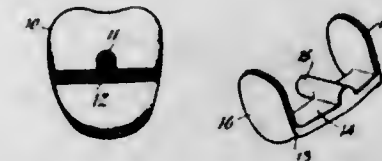
1. Bumper mechanism for motor vehicles comprising in combination with a motor vehicle, longitudinally tensioned rods, end bumper plates having linked connections with said rods, side bumper plates carried by the end bumper plates and spring connections between the side bumper plates and vehicle.

1,738,459. ANTENNA CONSTRUCTION. ARTHUR M. STANLEY, Lynn, Mass., assignor to Stanley Engineering, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 28, 1924. Serial No. 746,365. 9 Claims. (Cl. 250-33.)



6. A receiving antenna comprising a rigid tubular cage formed by a series of annularly-disposed antenna wires extending lengthwise thereof, a support extending transversely to the long axis of the cage and normally maintaining the cage in a horizontal position, and means for locking the cage in different rotative positions to permit pointing of the long axis in any desired direction in the plane of support.

1,738,460. DENTURE. JACOB J. STARK, Brooklyn, N. Y. Filed May 3, 1928. Serial No. 275,402. 2 Claims. (Cl. 32-9.)



1. A denture comprising a porcelain pontic, and a bridge structure having a straight flat plate and a projection on the plate, said pontic having a transverse kerf in which the plate fits and a hole in which the projection fits, said plate and projection being cemented to the pontic, said plate serving to directly support the pontic, and said projection serving to prevent rotation of the pontic with respect to the plate.

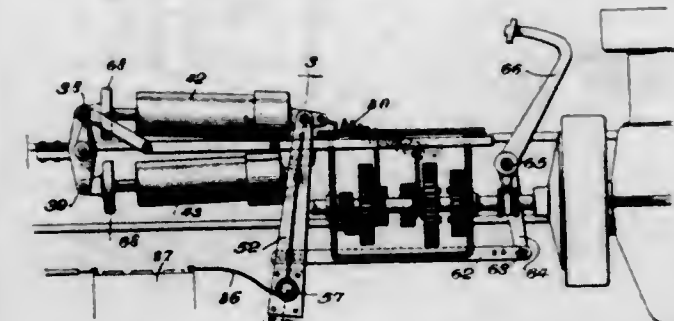
1,738,461. RELAY. HARRY M. STEVENS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 3, 1928. Serial No. 274,900. 14 Claims. (Cl. 175-372.)



1. A time relay including an electromagnet having a movable armature, a controlling member arranged to be

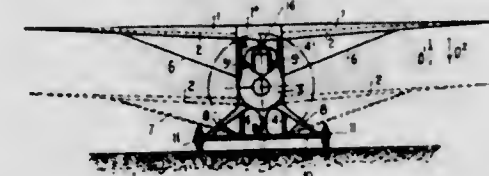
actuated in response to the movement of said armature, a mechanism for delaying the movement of said member, and means interconnecting said member and said mechanism for varying the time of operation of the member independently of the travel of said armature including two pivotally mounted members having a common adjustable connection for varying their relative lengths.

1,738,462. GEAR-SHIFTER MECHANISM. WILLIAM G. STEVENS, Jr., New York, N. Y. Filed Nov. 14, 1927. Serial No. 233,224. 4 Claims. (Cl. 74-58.)



1. The combination with a variable speed and reverse transmission and a clutch operating member of a motor vehicle or the like, a rocker member operatively connected to the clutch operating member, dual revoluble shafts operatively connected to the gear shifting members of the transmission, rocking means carried by said shafts holding magnets interposed between said rocker member and said rocking means, means for actuating said rocker member upon the release of the clutch operating member from depressed position, and means for selectively energizing said holding magnets for transmitting the motion of said rocker member to said dual revoluble shafts through said rocking means for shifting a gear of the transmission upon the actuation of said rocker member.

1,738,463. WING-STRUCTURE-VARYING DEVICE FOR AEROPLANES. ALDO TAMMEO, Genoa, Italy, assignor of one-half to Eugenio Caminada, Genoa, Italy. Filed July 25, 1928, Serial No. 295,148, and in Italy July 29, 1927. 8 Claims. (Cl. 244-12.)

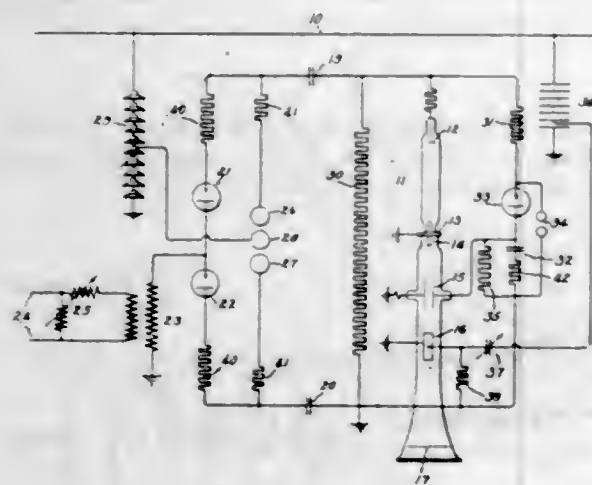


1. In aeroplanes provided with wings adapted to be varied of surface, curvature and incidence, by means of the separation of one or more detachable wings from one or more stationary upper wings, a device adapted to control the displacements of said movable wing or wings, said device comprising a rigid triangular frame including in part said movable wing or wings and adapted to vertically slide in a substantially vertical plane, and means for operating said frame in its up and down displacements.

1,738,464. CATHODE-RAY OSCILLOGRAPH CONTROL. ELMER J. WADE and WILLIAM J. RUDGE, Jr., Pittsfield, Mass., assignors to General Electric Company, a Corporation of New York. Filed Jan. 26, 1929. Serial No. 335,368. 9 Claims. (Cl. 171-95.)

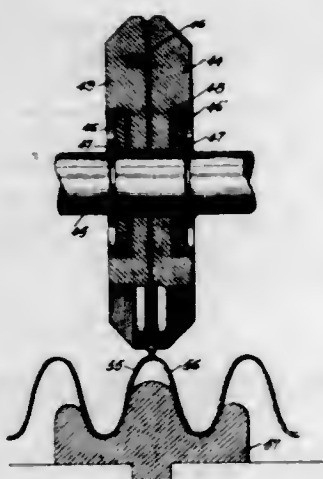
8. In combination with a cathode ray oscillograph having a cathode, a capacitance with means provided for charging it to a suitable potential, a discharge circuit for

the capacitance including a three-electrode gap which normally has a higher breakdown potential than the potential impressed on the capacitance, means for unbalancing the



three-electrode gap so that it is caused to spark in response to a voltage surge, and circuits for impressing the discharge potential of the condenser on the cathode of the oscillograph.

1,738,465. LINE WELDING. ROBERT E. WAGNER and WESLEY E. LAIRD, Pittsfield, Mass., assignors to General Electric Company, a Corporation of New York. Filed Jan. 19, 1922. Serial No. 530,434. 11 Claims. (Cl. 219-4.)

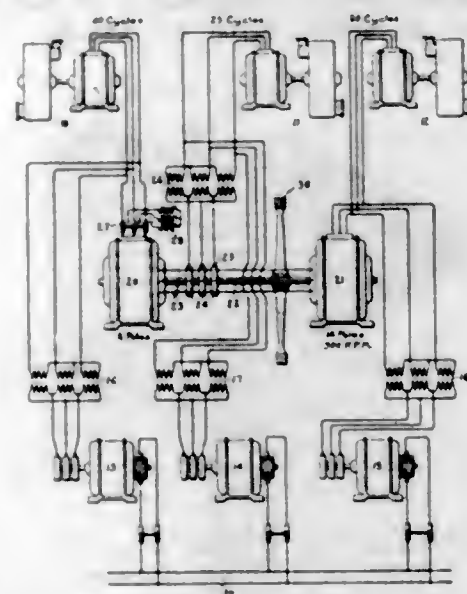


1. The method of resistance line welding which comprises arranging the edge portions of the sheets to be welded so that they extend in substantially the same direction and lie substantially side by side with their edges substantially flush with each other, and applying welding current and pressure to the outside corners of the upturned edges of the sheets along planes inclined to the plane of the meeting edge portions of the sheets.

1,738,466. FREQUENCY CONVERTER. THE. RUSSELL A. WARNER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 5, 1924. Serial No. 690,865. 11 Claims. (Cl. 172-281.)

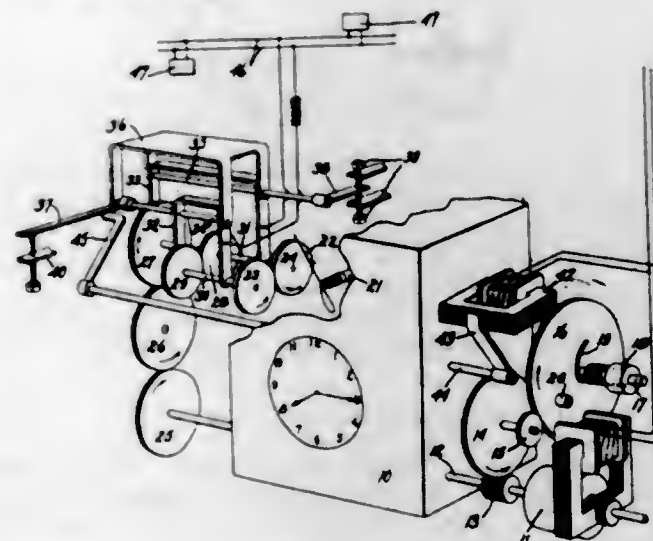
5. A frequency changer for three alternating current systems of different frequencies comprising three transformers, said transformers having their primary windings respectively connected to the three systems and having their secondary windings connected together, and means

whereby the primaries and secondaries of two of said transformers may be relatively rotated in a fixed speed relation



such that the secondary frequencies of said transformers are normally equal and their normal secondary voltages are substantially equal.

1,738,467. FRICTIONLESS CLOCK CONTACT. HENRY E. WARREN, Ashland, Mass., assignor to Warren Telechron Company, Ashland, Mass., a Corporation of Maine. Filed Oct. 23, 1928. Serial No. 314,465. 10 Claims. (Cl. 58-33.)

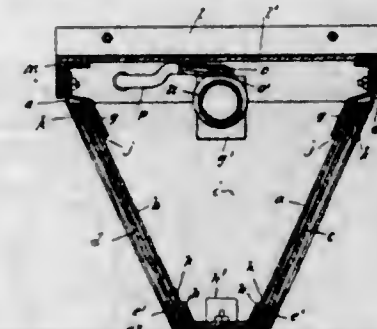


1. An electric contact device comprising a pair of rollers having spaced apart adjacent peripheral surfaces of conducting material, a clock driven pointer mounted for rotation about an axis such that its free end passes between the adjacent peripheral surfaces of said rollers, the spacing of said rollers being such as to grasp the pointer as it moves between them, and means for driving said rollers so that the adjacent peripheral surfaces move in the same direction and at approximately the same speed as that of the contacting portion of the pointer, said contacting portion being made of conducting material whereby an electric contact is established between said rollers when the pointer moves between them.

1,738,468. ADVERTISING AND LIKE SIGN. GEORGE FREDERICK WHIPPY, Brixton, London, and DOUGLAS JAMES HOOPER, London, and WALLACE HERBERT THOMAS MANLEY, Brixton, London, England. Filed Nov. 24, 1928, Serial No. 321,670, and in Great Britain Nov. 7, 1927. 1 Claim. (Cl. 40-130.)

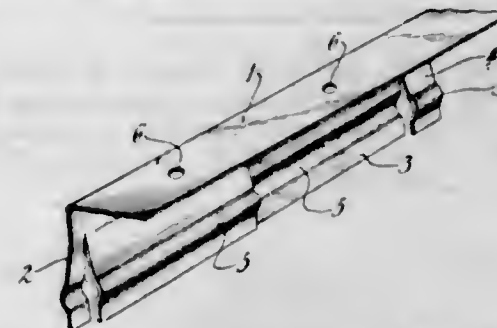
A sign having a substantially triangle shaped cross section comprising reflective surfaces, means for rigidly

mounting said panes at an angle of substantially 45 degrees to each other, said panes having portions of said opaque reflective surfaces removed to be translucent and to thereby form the signs whereby light reflected from each reflective surface passes through only the translucent portion of the other pane, light admitting surfaces extending between



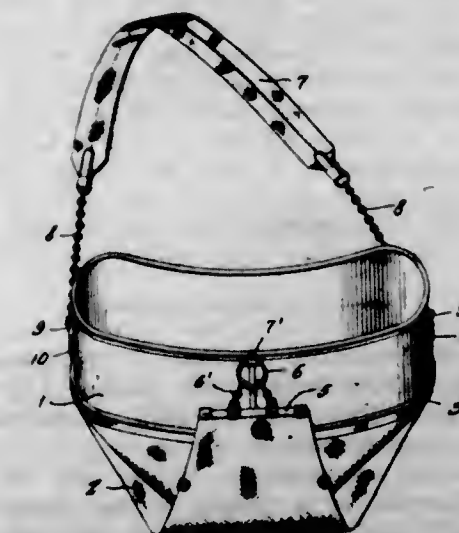
and above said panes for admitting solar light to said panes, a channel shaped bar extending centrally from end to end of the casing near the top thereof, an electric lamp supported by said bar, and electrical connections for said lamp extending through one end of the casing and lying within the channel of said bar.

1,738,469. FURRING STRIP. HOWARD F. WEISS, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Filed Jan. 24, 1929. Serial No. 334,820. 9 Claims. (Cl. 189-88.)



9. The combination with a beaded flanged article of a furring strip for slidably supporting the same, said strip comprising a base and a plurality of beaded leg sections, the alternate sections being similarly beaded for complementary engagement with the bead of said flange, and each being of a length less than said flanges whereby the bead of the latter will continually engage one or more of the beads of the complementally beaded sections as the article is moved longitudinally of said strip.

1,738,470. FRUIT-PICKER'S BAG. EDGAR R. WILLIAMS, Modesto, Calif. Filed June 13, 1927. Serial No. 198,527. 1 Claim. (Cl. 150-2.)



A device of the clam described comprising a metal body of considerable depth, a fabric bag having its upper end

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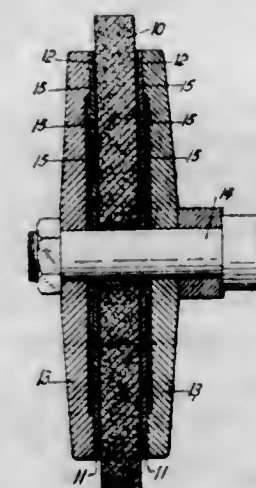
connected with the lower end of the body, said bag tapering downwardly and having an opening in its lower end, the bottom of the bag around the opening sloping upwardly and forwardly from the rear and the rear of the said bottom part being extended to form a flap, a ring flexibly connected with the lower end of the flap and a hook on the top of the front of the body to receive the ring whereby when the ring is in engagement with the hook, the lower end of the bag will be held in raised position and the opening closed, with the upper part of the bag forming an extended bottom for the body.

1,738,471. LIQUID-APPLYING IMPLEMENT. MICHAEL J. D'AMORE, Milwaukee, Wis. Filed May 11, 1927. Serial No. 190,460. 1 Claim. (Cl. 120-36.)



An ink eradicating attachment for fountain pens comprising a hollow cylindrical member for application to a fountain pen, a plug in one end of said member having a passage therethrough, a reduced extension on the inner end of said plug, a collapsible liquid receptacle applied to said extension, and a liquid discharge tube in said passage and projecting from the other end of said plug, said tube being longitudinally bent and flattened at one end to form a narrow end face angularly disposed with respect to the axis of said tube, and a narrow slit in said face through which liquid supplied from said receptacle is discharged from said tube.

1,738,472. ABRASIVE WHEEL. JOHN R. GAMMETER, Akron, Ohio, assignor to The George W. Perks Company, Akron, Ohio, a Corporation of Ohio. Filed June 13, 1928. Serial No. 285,050. 6 Claims. (Cl. 51-168.)

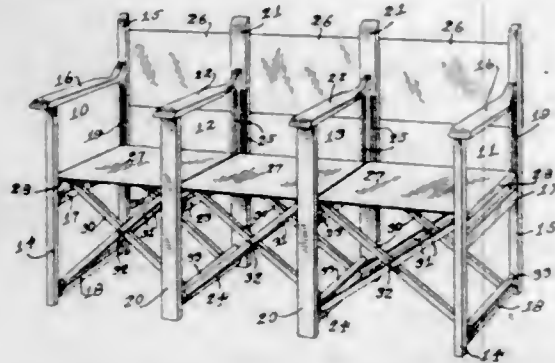


6. An abrasive wheel having one or more reinforcing members bonded by a rubber-like material cured on one or both faces of said wheel so as to be substantially integral therewith for normal use of the wheel, said members being constructed with one or more strips of such form and said material being of such character that said strips are adapted to be torn from the faces of the wheel so that said members are reduceable in diameter as the wheel wears.

1,738,473. COLLAPSIBLE BENCH. JAMES A. GREEN, Torrington, Conn., assignor to The Brooks Bank & Trust Company, Torrington, Conn., a Corporation of Connecticut. Filed Dec. 22, 1927. Serial No. 241,794. 1 Claim. (Cl. 155-140.)

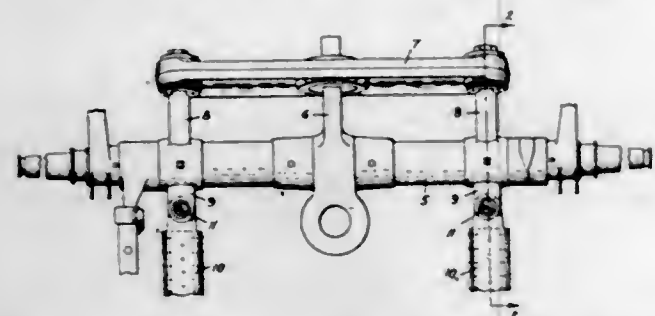
In a portable collapsible bench, a pair of side frames, a pair of intermediate frames located between said side

frames, each of said frames consisting of a front leg and a rear leg connected by an arm rest, flexible seats and back rests connecting each pair of adjacent frames, said adjacent frames being also connected by "lazy tongs" cross legs, said cross legs being pivotally secured to the bottoms of said frames and having their upper ends slid-



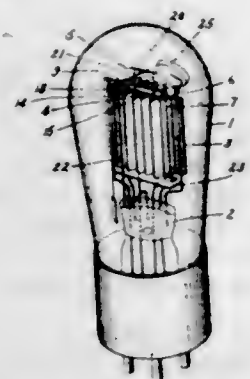
ably secured to said frames, the front and rear legs of said side frames having single interior grooves, and the front and rear legs of said intermediate frames having double interior grooves for permitting said cross legs to slide up and down therein, whereby said bench may be folded into a small lateral space by pushing said frames together.

1,738,474. GUN CARRIAGE. HARRY HOISINGTON, Davenport, Iowa. Filed Dec. 17, 1927. Serial No. 240,881. 1 Claim. (Cl. 89-40.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



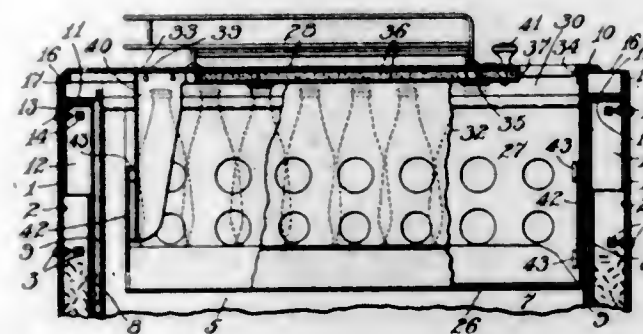
In combination with an axle, arms revolvably mounted on the axle, trails attached to said arms, a flanged bushing trunnioned on the forward extremity of each trail arm, an equalizer cross bar fulcrumed centrally on the axle and formed with an annular bearing on each end for mounting on the bushings, and a nut threaded to each bushing for retaining the cross bar in place.

1,738,475. ELECTRIC DISCHARGE DEVICE. HENRY W. JACKSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1927, Serial No. 241,932. Renewed Aug. 19, 1929. 3 Claims. (Cl. 250-27.5.)



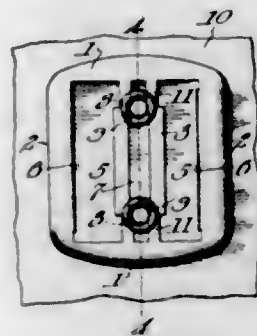
1. An electric discharge device comprising an anode, grid and filamentary cathode, the anode and grid being substantially rectangular in cross section, portions of the grid being arranged in interleaved relation with the anode.

1,738,476. REFRIGERATOR. SAMUEL KAYE, Columbus, Miss., and CHESTER A. FRICK, Muncie, Ind.; said Frick assignor to said Kaye. Filed Nov. 18, 1926. Serial No. 149,048. 12 Claims. (Cl. 312-36.)



1. In a refrigerator, the combination with a refrigerant container open at its top, of a bottle receiving and dispensing container removably closing the top of said refrigerant container and supporting the bottles within said refrigerant container, said container having dispensing openings in its top wall to permit the dispensing of the bottles while the container is in position.

1,738,477. APPAREL BUCKLE. ALLEN H. KERNGOOD, Baltimore, Md., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Apr. 5, 1929. Serial No. 352,872. 2 Claims. (Cl. 24-186.)

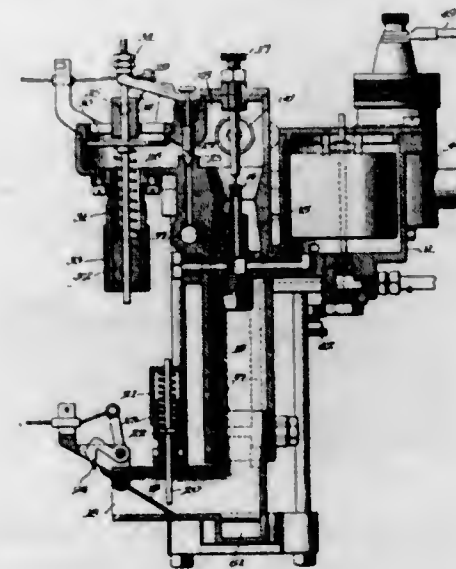


2. A one-piece buckle, having sides, and end-bars, and a cross-bar spaced from the end-bars by slots and having a two-dimension slot extending from one of the sides to the other side, the ends of said two-dimension slot next to said sides being narrower than the intermediate wider portion of the slot and forming shoulders against which attaching mediums abut to hold the buckle against vertical and longitudinal movements, the sides of the narrower portions being parallel and straight and the sides of the wider portion also being parallel and straight.

1,738,478. VAPORIZER. ROBERT F. LONABERGER and CHARLES F. SANDS, Reading, Pa., assignors to Lloyd A. Unger, trustee. Filed Mar. 24, 1925. Serial No. 17,937. 32 Claims. (Cl. 123-122.)

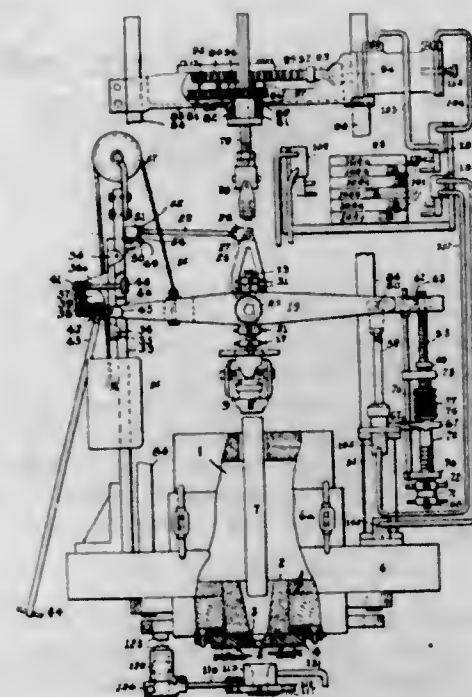
1. A vaporizer comprising a mixing tube and mixing chamber connected by a throat, a fuel nozzle in said throat, a liquid fuel supply well and duct therefrom to said nozzle, a combustion chamber discharging into said mixing tube, means for supplying fuel mixture thereto,

a vaporizing tube in juxtaposition to said combustion chamber, said vaporizing tube discharging into said mixing



chamber, means for supplying fuel mixture to said vaporizing tube, and means for maintaining combustion in said combustion chamber.

1,738,479. APPARATUS FOR PRODUCING MOLD CHARGES. WILLIAM J. MILLER, Swissvale, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 20, 1926. Serial No. 96,199. 64 Claims. (Cl. 49-55.)



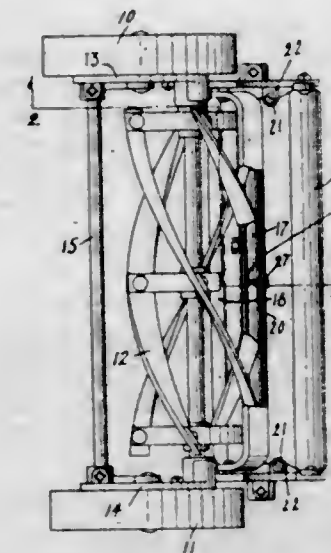
38. In apparatus for producing a succession of mold charges of molten glass, the combination with a receptacle for the molten glass having a submerged discharge outlet, of a rigid implement working in the glass to control the discharge of glass from the outlet, driving means including an oscillating lever and a parallel throw link both pivotally connected to said implement for moving the implement toward and away from the outlet, and means for counterbalancing the weight of said implement, lever and link.

39. In apparatus for producing a succession of mold charges of molten glass, the combination with a receptacle for the molten glass having a submerged discharge outlet, the molten glass being supplied to said receptacle at one

side of said outlet, an implement working in the glass in the receptacle to control the discharge of glass from the outlet, and means for moving said implement toward and away from the outlet, the immersed end of said implement being eccentric of the axis of said outlet toward the hot glass side of the outlet.

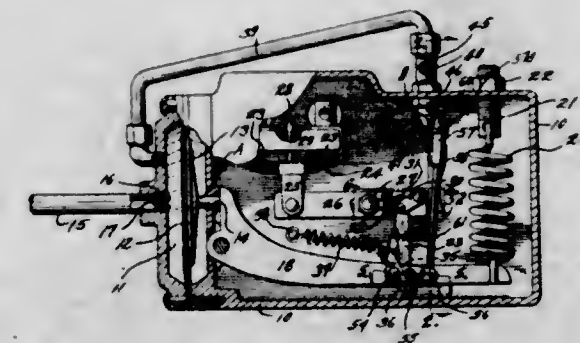
59. In apparatus for producing a succession of molten glass, the combination with a receptacle for the molten glass having a submerged discharge outlet, of a rigid implement working in the glass in said receptacle in relation to the outlet to control the discharge of glass from the outlet, means to move the implement toward and away from the outlet, and means to rotate said implement comprising a rotator having a bore through which the stem of said implement extends, said implement stem being slidable in said bore but rotating with said rotator, and a reciprocating member arranged to drive said rotator.

1,738,480. LAWN MOWER. CARL A. OLSON, Clarinda, Iowa, assignor to Clarinda Manufacturing Company, Clarinda, Iowa, a Corporation of Iowa. Filed Aug. 29, 1928. Serial No. 302,694. 3 Claims. (Cl. 56-294.)



1. In a lawn mower having a blade mounting on a blade carrying member fixed at its ends, said lawn mower having a frame member extending adjacent said blade carrying member, an adjusting means comprising a member engaging said frame member and an intermediate portion of said blade carrying member for springing the latter to compensate for wear at the central part of the blade.

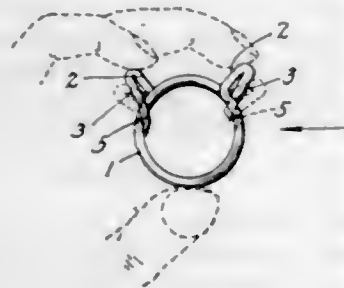
1,738,481. CLOSE-RANGE DEVICE. ALBERT PENN, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a Corporation of Iowa. Filed Nov. 25, 1925. Serial No. 71,500. 13 Claims. (Cl. 137-156.)



10. In combination with a controller a device of the class described, comprising continuous pressure means, a normally closed valve through the port of which fluid may

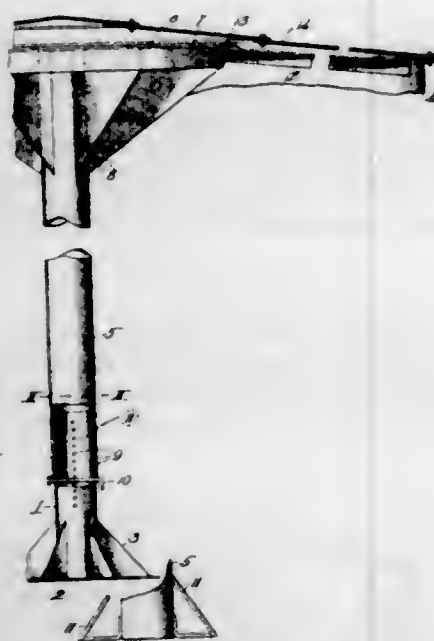
flow from the pressure means and means operated by a controller for momentarily opening said valve and operable from the controller when the pressure reaches a predetermined amount.

1,738,482. NUT LOCK. JOHN A. PRUSSEN, Denver, Colo. Filed May 5, 1928. Serial No. 275,373. 5 Claims. (Cl. 151—30.)



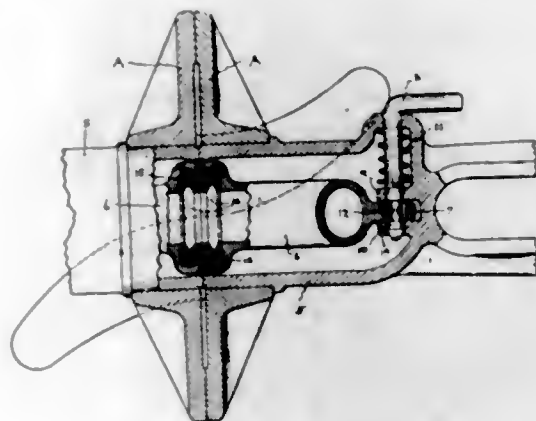
3. In a nut lock comprising a single length of wire, a thread portion, the two ends of which are formed into outwardly extending substantially U-shaped handles extending axially in opposite directions each to the remote side of the thread portion, the free leg of each U-shaped handle being at a slight angle from the radial of the thread portion, forming a thread fitting wedge normally extending inward radially from the inner diameter of said thread portion.

1,738,483. TANK CONSTRUCTION. GWYNNE RAYMOND, Kansas City, Mo., assignor to Black, Sivals & Bryson Manufacturing Company, Kansas City, Mo., a Corporation of Delaware. Filed Nov. 7, 1927. Serial No. 231,565. 4 Claims. (Cl. 220—71.)



1. The combination in a roofed tank, of a vertically-extensible gin pole, a cap plate rigid with the upper end of said gin pole, rafters secured to and radiating from said cap plate and connected at their outer ends to the wall of the tank, and heel plates secured to the adjustable member of the gin pole to take the power thrust applied to adjust said member and effect endwise adjustment of the rafters.

1,738,484. AUTOMATIC TRAIN-PIPE CONNECTER. JOSEPH ROBINSON, New York, N. Y. Filed July 15, 1922, Serial No. 575,136. Renewed Feb. 13, 1929. 12 Claims. (Cl. 285—55.)



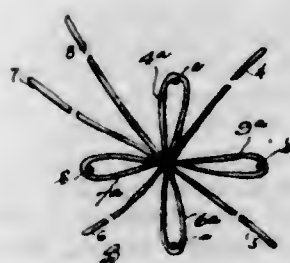
1. In an automatic train pipe coupling, the combination of a coupling head having a hollow shank, a conduit mounted in said shank, means for removably securing the conduit in the shank, and means carried by said conduit for automatically locking said securing means in the service position.

1,738,485. FOUNDATION BRAKE RIGGING. WILLIAM H. SAUVAGE, New York, N. Y., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 14, 1926. Serial No. 141,574. 35 Claims. (Cl. 188—33.)



1. In a foundation brake rigging of the character described, in combination, truck and cylinder levers and hangers, a cylinder, a piston movable therein, and means permitting said piston to move substantially half of its normal travel before actuating said levers, said means including a two part piston rod, one of which parts is mounted upon the piston, and the other associated with a cylinder lever, said parts having a slidable relation and effectively engage each other outside of said cylinder.

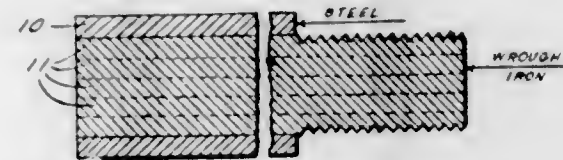
1,738,486. KNITTED FABRIC AND METHOD OF MAKING THE SAME. WILLIAM J. WESSELER, East Cleveland, Ohio. Filed Mar. 1, 1921. Serial No. 448,803. 8 Claims. (Cl. 66—1.)



1. A method of knitting which comprises using at least one yarn more than the number of loops in a single course

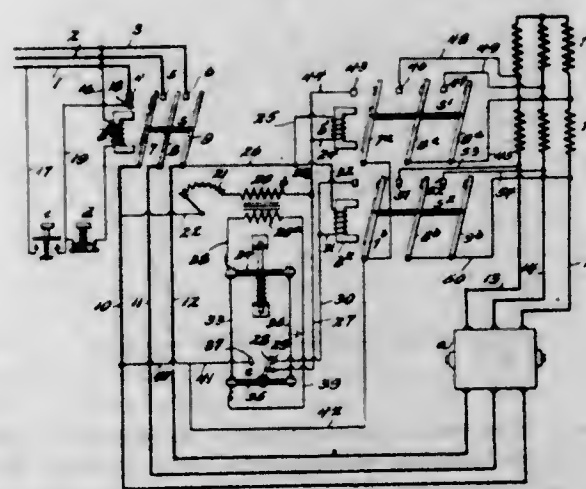
of the fabric produced, and substituting upon the needles forming the loops, the extra yarn so as to leave free the yarn of the cast off loops for drawing the said loops to any desired size.

1,738,487. METHOD OF MAKING FASCES BOLT STOCK. THOMAS S. WHEELWRIGHT, Richmond, Va., assignor to Old Dominion Iron and Steel Works, Richmond, Va. Filed Jan. 18, 1927. Serial No. 161,883. 1 Claim. (Cl. 10—27.)



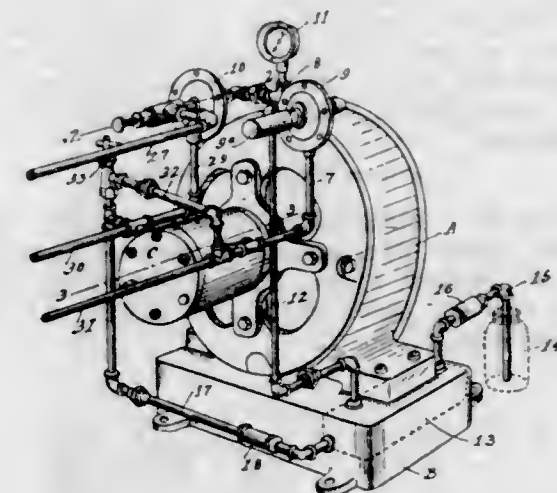
The method of making bolts consisting in forming a shell of steel, filling the shell with a plurality of wrought iron rods of uniform cross section throughout their length, heating and rolling the fasces thus formed to provide a composite bar, turning down a portion of the steel shell to expose the iron core and cutting threads in the exposed portion of the core.

1,738,488. THERMAL CONTROL OF ALTERNATING-CURRENT ELECTROMAGNETIC DEVICES. GEORGE H. WHITTINGHAM, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Mar. 29, 1928. Serial No. 265,596. 8 Claims. (Cl. 172—289.)



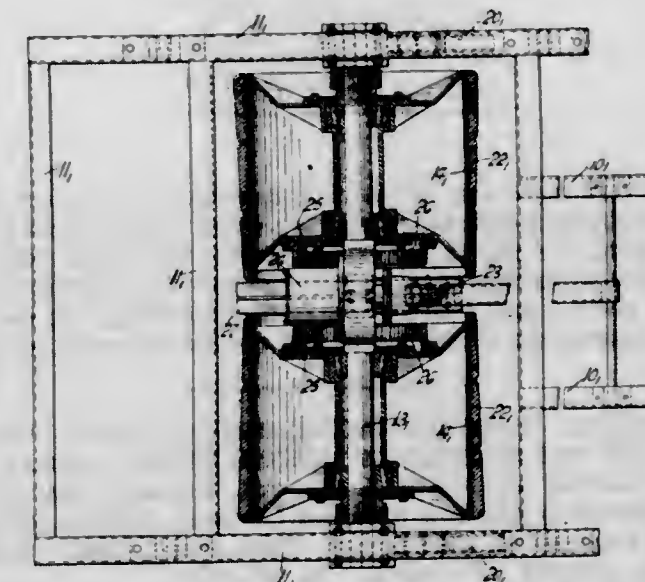
1. The combination with an alternating current supply circuit, a main switch and an electromagnetically operated device, of a circuit for the magnet of said device connected to the main switch, a normally open thermostat switch in said magnet circuit, a transformer having a primary winding adapted to be connected to the supply circuit by the main switch and a thermostat having a heating element in the secondary circuit of the transformer, said thermostat adapted to close said thermostat switch when said element is heated.

1,738,489. PROCESS FOR ATOMIZING LIQUID FUELS. WALTER W. WILLIAMS, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a Corporation of Illinois. Original application filed Aug. 4, 1920, Serial No. 401,146. Divided and this application filed Apr. 25, 1924. Serial No. 709,029. 4 Claims. (Cl. 158—117.5.)



1. The process of atomizing liquid fuels to be discharged at a predetermined pressure to form a combustible mixture, comprising mixing quantities of air and fuel, placing said mixture under compression, relieving excess pressure from the mixture, and discharging the mixture in the form of a spray.

1,738,490. MOTOR VEHICLE TRUCK. GEORGE I. WORLEY, Akron, Ohio; Myrtle A. Worley administratrix of said George I. Worley, deceased. Filed Jan. 4, 1927. Serial No. 158,905. 8 Claims. (Cl. 180—20.)

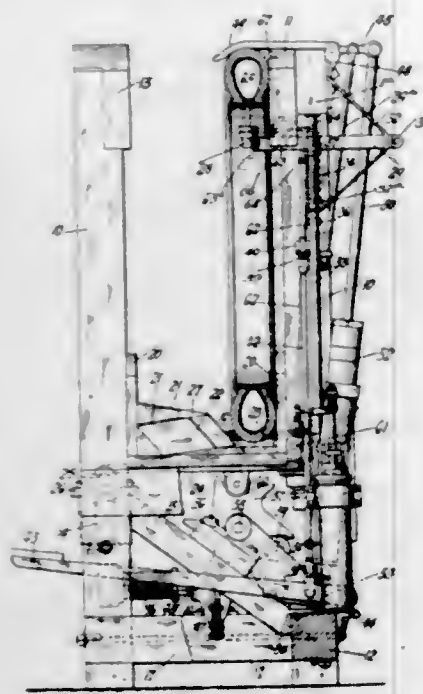


1. A combined truck and roller including a truck frame, and a wheel mount for the rear of said frame comprising an axle, springs on the axle supporting the frame, drums on the axle for providing substantially continuous traction transversely of the truck, solid tires on the drums, the tires on the outer ends of the drums being of greater diameter than those adjacent the inner ends thereof, means for differentially driving the drums on opposite sides of the transverse center of the truck and torque arms extending forwardly from said axle to said frame.

6. A motor vehicle of the character described including a chassis widened at its rear portion which portion is adapted to receive and support a load, springs at the sides of said rear portion of the chassis, a pair of rotatable drums associated with said springs, the outer edges of

the drums being adjacent to said springs and the inner edges of said drums being adjacent to each other, said drums being located within the limits of and under the rear portion of said chassis, the width of said rear portion permitting the use of wide drums within the limits of the rear portion of the chassis to thereby provide substantially a continuous traction surface extending transversely under the rear portion of said chassis, said drums being provided with resilient tread surfaces and means for differentially driving said drums, whereby said vehicle may be driven at normal truck speeds over hard improved roads and also may be driven over soft surfaces with a rolling action thereon and without forming ruts in said soft surfaces.

1,738,491. TIRE-INFLATING MACHINE. ROY W. BROWN, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 10, 1923. Serial No. 42,553. 11 Claims. (Cl. 152-11.)



11. In apparatus of the class described, a pressure supply system, means for connecting a tire thereto, means for securing the tire in the system, means for timing the operation of inflating, means for disconnecting the tire from the system, and a single means for controlling the securing means, the timing means and the disconnecting means.

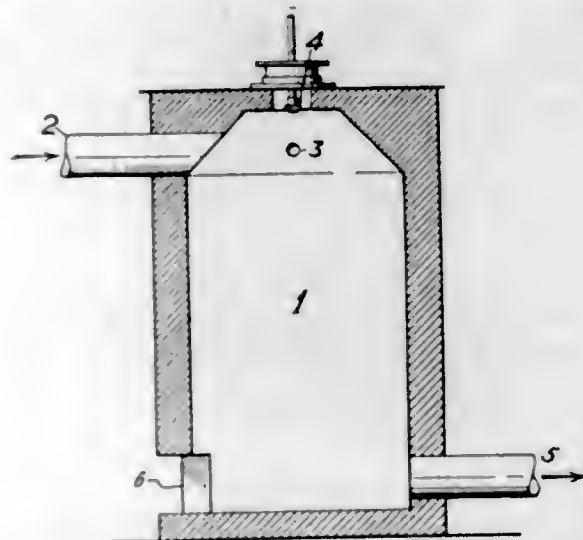
1,738,492. CALCIUM-MAGNESIUM-CHLORIDE PRODUCT AND METHOD OF MAKING SAME. WILLIAM R. COLLINGS and JOHN J. SHAW, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Mar. 7, 1928. Serial No. 259,869. 17 Claims. (Cl. 23-90.)

1. In a method of making a product of the character described, the steps which consist in adding a solution containing a mixture of hygroscopic metallic chlorides to a mother liquor saturated with respect to one or more of such chlorides, and simultaneously evaporating such mother liquor to maintain the same approximately at such point of saturation.

1,738,493. PROCESS OF MANUFACTURING CARBURETED WATER GAS. PHILIP T. DASHIELL, Philadelphia, Pa., assignor to The U. G. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 28, 1921. Serial No. 511,076. 2 Claims. (Cl. 48-205.)

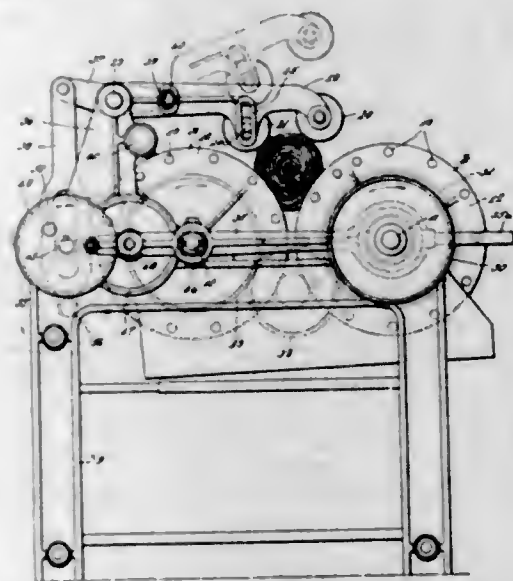
1. In the manufacture of carbureted water gas; the improvement which consists in providing an upright car-

bureter devoid of checkerbrick and having a gas intake at its top and a gas side outlet at its bottom, intermittently preheating said carbureter by internal combustion, alternately providing a downwardly directed fog of heavy oil at the top of the carbureter and flowing water gas from



an outside source downwardly through and laterally out at the bottom of said carbureter, and depositing the residual carbon in granular form at the bottom of the chamber by gravity and by the downward flow and change in direction of flow of the water gas.

1,738,494. MACHINE FOR AND METHOD OF HARDENING HAT BATS. HOMER A. GENEST, Danbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Mar. 29, 1928. Serial No. 265,653. 18 Claims. (Cl. 28-8.)

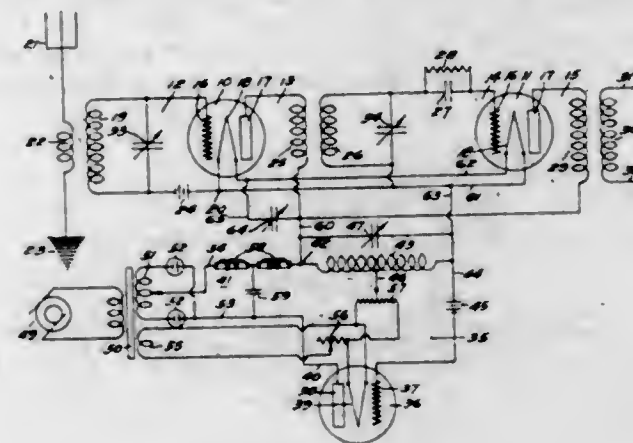


1. In a machine of the character described, a pair of parallel cages adapted to support a roll of bats, each of said cages having spaced longitudinally extending apron supporting members, the supporting members of one cage being angularly spaced with respect to the supporting members of the other cage, a flexible apron about each cage and supported by said members, and means for exerting pressure upon the roll of bats supported between said cages.

1,738,495. VACUUM-TUBE SYSTEM. FREDERICK A. KOLSTER, Palo Alto, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Oct. 21, 1925. Serial No. 63,861. Renewed Oct. 30, 1928. 6 Claims. (Cl. 250-27.)

1. In a system for repeating signal energy, an electron relay having input and output circuits, means for cou-

pling the input circuit to a source of signal energy of carrier frequency, and means for energizing the output circuit with pulsating current of carrier frequency, the fre-



quency of said energizing circuit serving to react with the repeated signal energy thereby effecting current variations in the output circuit which differ both from the signal energy and the energizing current.

1,738,496. ERASER KNIFE FOR FOUNTAIN PENS. RICHARD LAUX, Fort Wayne, Ind. Filed July 25, 1927. Serial No. 268,262. 3 Claims. (Cl. 30-10.)

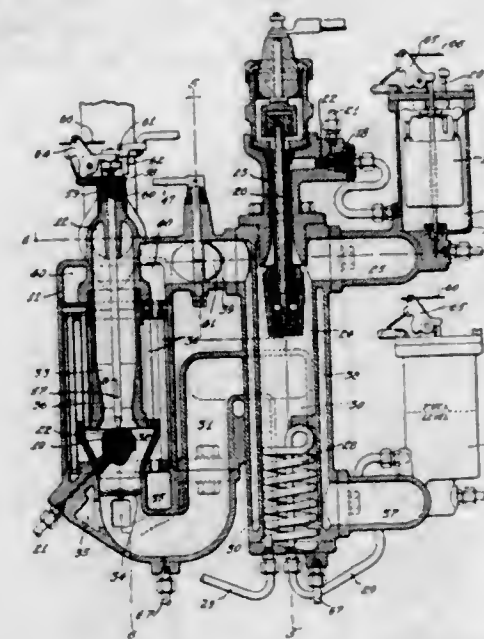


1. In a device as described a cylindrical fountain pen cap having one end free for the reception of the end of said pen and the nib thereof, a cylinder slidable in the cap and snugly fitting the same, opposing arms on said cylinder and an eraser blade fixedly secured between said arms, said cap having a slot in its end wall through which the blade may be projected and retracted through the movement of said cylinder, a transverse bore in said cylinder, a spring mounted in said bore, a cylindrical plug having a hollow end seated in the bore and upon said spring, said plug having a reduced head slidable within a slot in the side wall of said cap, and an enlarged portion adapted to seat in enlargements in said side wall slot whereby the cylinder may be held in fixed projected or retracted position.

1,738,497. LIQUID-FUEL VAPORIZER. ROBERT F. LONABERGER and CHARLES F. SANDS, Reading, Pa., assignors to Lloyd A. Unger, trustee. Filed Oct. 27, 1922. Serial No. 597,426. 18 Claims. (Cl. 48-107.)

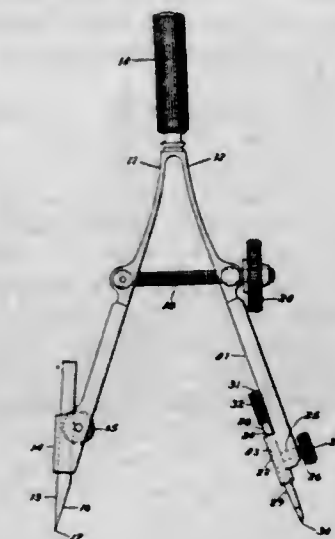
1. In a liquid fuel vaporizing and gasifying apparatus, two spaced fluid mixing chambers and an elongated connecting burning and vaporizing chamber, a liquid fuel atomizing nozzle discharging into the first mixing chamber, means for supplying air under pressure to said atomizing

nozzle for producing an easily ignitable mixture, an ignition device for igniting said fuel mixture, a jacket surrounding said burning chamber and having a discharge outlet dis-



charging into the second mixing chamber, and means for circulating supplemental air through said jacket to cool it and warm the air prior to mixing it with the gaseous or vaporized products in said second mixing chamber.

1,738,498. DRAFTING INSTRUMENT. FRANCIS E. MEYER, Philadelphia, Pa., assignor to Theo. Altender & Sons, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 30, 1929. Serial No. 359,347. 4 Claims. (Cl. 83-152.)

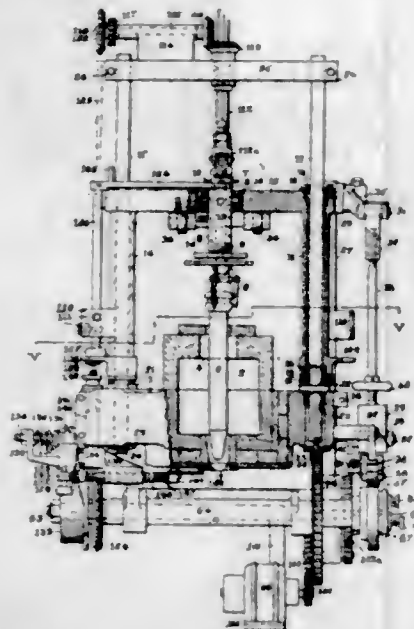


1. In a drawing instrument, a needle point arranged for operative adjustable association with the axis leg thereof, comprising a cylindrical shank, a pointed tip, and an enlarged flattened head, the head being of a thickness substantially the same as the diameter of the shank and having a pair of substantially parallel faces extending parallel to the shank, the edges of which are joined by serrated surfaces, symmetrically spaced from the shank.

1,738,499. APPARATUS FOR PRODUCING MOLD CHARGES OF MOLTEN GLASS. WILLIAM J. MILLER, Swisvale, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed May 27, 1926. Serial No. 111,957. 24 Claims. (Cl. 49-55.)

1. In apparatus for producing a succession of mold charges of molten glass, the combination with a recep-

tacle for the molten glass having a submerged discharge outlet and rigid implement working in the molten glass in relation to the outlet to control the discharge of glass from the outlet, of a crank arm at the end of which the rigid implement is suspended, a rotary cam, a lever oscillated by said cam, operative connection between the lever and the crank arm, and means for adjusting said operative connection.



16. In apparatus for producing a succession of mold charges, the combination with a receptacle for the molten glass having a submerged discharge outlet and a rigid implement working in the glass to control the discharge of glass from the outlet, of a pair of columns, a stationary support carried by the columns, a movable support slidably mounted on the columns below the stationary support, the rigid implement being carried by said movable support and arranged for rotation relative thereto, means for periodically raising and lowering said movable support, and a rotator mounted on said stationary support, an upward extension of said rigid implement slidably engaging the bore of said rotator whereby said rigid implement is rotated.

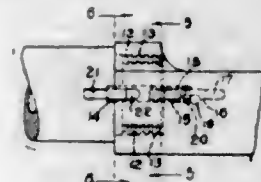
22. In apparatus for producing a succession of mold charges of molten glass, the combination of a receptacle for the molten glass provided with a submerged discharge outlet and a rigid element working in the glass in relation to the outlet to control the discharge of glass from the outlet, of a support movable toward and away from the outlet, said support being provided with an aperture, an annular collar mounted in said aperture to swing on a horizontal axis, a member extending through said collar and mounted therein to swing on a horizontal axis at right angles to the axis of the collar's movement, and means for suspending the implement from said member, said means being arranged to permit the raising and lowering of the implement relative to the member and the rotation of the implement relative to the member.

24. In apparatus for producing a succession of mold charges of molten glass, the combination with a receptacle for the molten glass provided with a submerged discharge outlet, of a pair of coating shear blades disposed below said outlet, a support for said shear blades provided with an upwardly extending post, a split collar on the receptacle structure into which the post extends, means for raising and lowering said post relative to said collar to adjust the elevation of the shear blades relative to the outlet, and means for clamping the collar about the post to fix the post in the collar.

1,738,500. BARREL MOUNTING FOR FIREARMS. FREDERICK T. MOORE, East Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a Corporation of Connecticut. Filed Oct. 19, 1928. Serial No. 313,588. 1 Claim. (Cl. 42-75.)

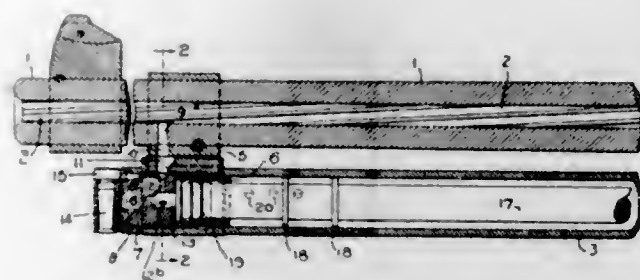
In a firearm of the character described, the combination of a main casing, a barrel guide carried by the cas-

ing and projecting forward therefrom, a barrel extension longitudinally reciprocable in the casing, the said barrel extension having at its forward end a barrel receiving opening provided with interrupted annular ribs therein and also having a smaller hole parallel with the said opening and open at the front, a longitudinally reciprocable barrel normally guided near its forward end by the said barrel guide and adapted at its rear end to enter the opening in the extension, the said barrel having inter-



rupted annular ribs adapted upon partial rotation of the barrel to enter between the annular ribs on the extension and also having a peripheral notch open at the rear and located to register with the hole in the extension when the barrel ribs are entered between the extension ribs, and a reciprocable latch in the said hole in the extension spring biased for forward movement to enter the notch in the barrel and having a portion projecting radially outward beyond the barrel to enable the latch to be manually engaged for rearward movement out of the said notch.

1,738,501. GAS-OPERATED AUTOMATIC FIREARM. FREDERICK T. MOORE, East Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a Corporation. Filed Dec. 3, 1928. Serial No. 323,368. 3 Claims. (Cl. 42-3.)

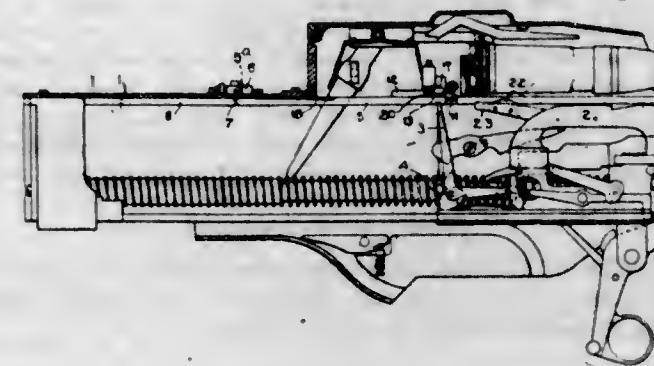


1. In a gas-operated firearm of the class described, the combination with the barrel and the gas tube, of a gas cylinder closed at one end and having its other end open and in register with one end of the tube, the said cylinder being in communication with the interior of the barrel to permit the gases of explosion to enter the cylinder and tube, and a longitudinally movable piston in the tube adapted to be operatively connected at the rear with the mechanism of the gun and at one portion thereof having a diameter enabling it to enter and substantially fit the gas cylinder so as to be operated by gas therein, the said piston and cylinder being of different materials and the coefficient of expansion of the material of the cylinder being considerably greater than that of the material of the piston.

1,738,502. TRIGGER MECHANISM FOR MACHINE GUNS. CHRISTIAN PFEIFFER, Hartford, and FREDERICK T. MOORE, East Hartford, Conn., assignors to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a Corporation of Connecticut. Filed Dec. 14, 1928. Serial No. 325,950. 12 Claims. (Cl. 89-27.)

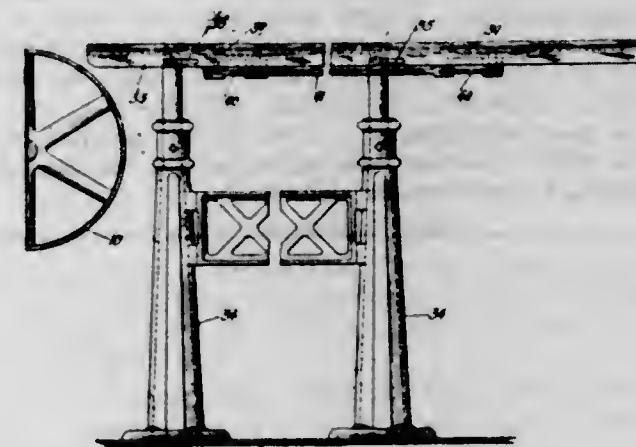
1. In a trigger mechanism for a semi-automatic gun, the combination of a longitudinally reciprocable member

movable rearward upon recoil and automatically returning to its normal forward position, an operating element bodily movable with the said member and also movable relatively thereto, mechanism operable when the reciprocable member is in its forward position for firing the gun upon the relative movement of the operating element, a



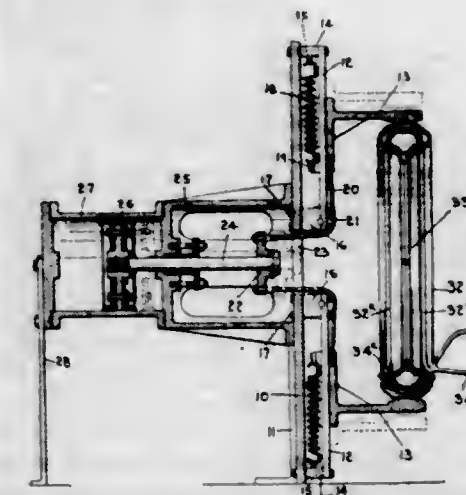
trigger bar manually movable from its normal position and having a portion adapted upon such movement to engage and move the operating element to fire the gun, means dependent upon the said movement of the trigger bar for effecting a transverse movement of at least the said engaging portion thereof out of the path of movement of the operating element, and automatically operative means for holding the said portion out of the said path during the return movement of the trigger bar to its normal position.

1,738,503. FLAT-BAND-TIRE BUILDING MACHINE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 19, 1924. Serial No. 756,956. 14 Claims. (Cl. 154-10.)



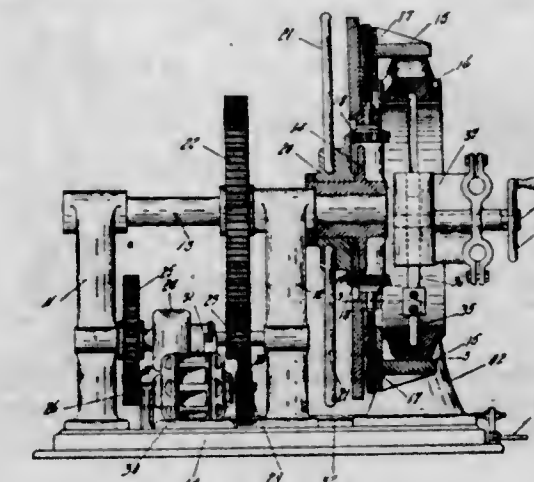
1. In combination, a rotatable drum, a table for receiving plies of material to be wrapped on the drum, said table overhanging the drum and extending tangentially of its upper surface, and means on the table for guiding the plies into proper position on the drum, said means comprising a pair of guide rails movable toward and from each other on the surface of the table, means for simultaneously moving the rails toward and from each other into engagement with the edges of the plies, and a stitcher device movable onto the upper surface of the drum and cooperating therewith to draw the material from the table.

1,738,504. APPARATUS FOR USE IN REMOVING PRESSURE BAGS FROM PNEUMATIC-TIRE CASINGS. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 12, 1925. Serial No. 55,924. 4 Claims. (Cl. 18-2.)



1. A device for use in removing annular pressure bags from tire casings, said device including a plurality of presser elements adapted to surround and embrace a tire casing, and means for relatively moving the elements against the outer periphery of the casing to spread the beads apart about their entire extent.

1,738,505. MACHINE FOR MAKING HOLLOW-BASE TIRES OR OTHER RUBBER ARTICLES. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 11, 1927. Serial No. 190,523. 1 Claim. (Cl. 82-2.)

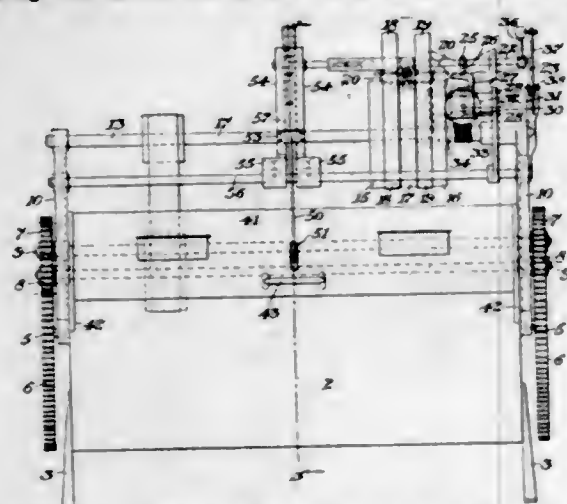


A device of the class described, said device comprising, in combination, means for supporting and circumferentially driving a rubber tire, a tool carrier movable within the periphery of said tire, a tool on said carrier, said tool comprising a loop-shaped cutter for gouging an annular groove in the inner periphery of the tire to form a hollow base therein, the loop of the cutter providing a space through which the rubber being cut away can pass out of the groove, and means for feeding the cutter radially of the tire.

1,738,506. WASHING-MACHINE-LOCKING MECHANISM. WILLIAM W. TRINKS, New York, N. Y., assignor, by direct and mesne assignments, to C. Blake Orcutt, Jackson Heights, N. Y. Filed July 31, 1926. Serial No. 126,146. 2 Claims. (Cl. 192-135.)

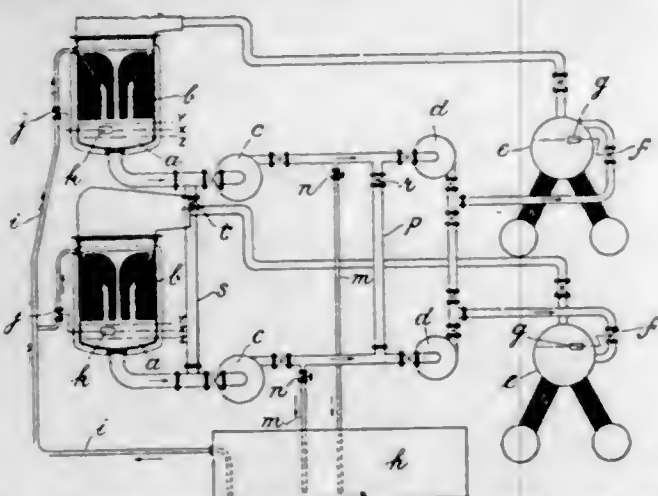
2. In a washing machine, the combination with a revolving tank, a cylinder having said tank mounted therein and provided with an opening for access to the tank, a

movable closure for said opening, and operating means for revolving the tank, of locking means for said closure comprising a member pivoted thereto, means slidably supporting the free end of said pivoted member, a bolt engaging the latter for preventing movement of the same



and connected closure when the latter is in closed position, and means including a cooperating rack and pinion operatively connecting said bolt with the tank operating means for preventing releasing movement of the bolt during operation of the tank.

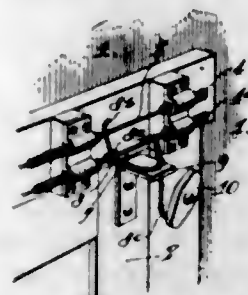
1,738,507. CLOSED FEED SYSTEM FOR STEAM POWER PLANTS. JAMES GEORGE WEIR, Cathcart, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Filed Aug. 23, 1927, Serial No. 214,944, and in Great Britain Oct. 8, 1926. 10 Claims. (Cl. 60—107.)



5. A steam power plant working on a closed feed system and consisting of a plurality of units—each including a

steam generator, a steam engine operated by the steam generated in said steam generator, a steam condenser for said engine, a water main for returning steam condensate from the condenser to the generator, and a water extraction pump and a boiler feed pump in said main, there being a well at the bottom of each of said condensers so placed that the condensate obtained from the condensation of steam in said condenser gravitates into it, the water capacity of this well being sufficiently great to provide the accommodation necessary due to accumulation of feed water in the unit caused by changes in the conditions of working of the plant—a pipe connecting together the feed water mains of the several units between said condenser and said boiler feed pump in each case, and a valve on the pipe in each case, a reserve feed tank, a connection from said tank to each of said condensers, and a valve on each of said connections.

1,738,508. ALARM SWITCH MECHANISM. MORGAN BONNELL, Clarksville, Pa. Filed Feb. 10, 1928. Serial No. 253,433. 5 Claims. (Cl. 200—54.)



1. In electrical alarm mechanism, a pair of insulated conductor wires having portions exposed, means for securing said wires adjacent the exposed portions to hold said wires approximately parallel, a circuit making and breaking member pivotally mounted on one wire's exposed portion and itself having a portion adapted to be brought into contact with the other wire's exposed portion at times, and means for operating said circuit making and breaking member the insulation of said wires serving as limiting abutments to restrain said circuit making and breaking member against substantial movement along said wires.

1,738,509. WATERPROOF SHEET AND PROCESS OF MAKING SAME. LESTER KIRSCHBAUM, Leonia, N. J. Continuation of application Serial No. 404,014, filed Aug. 16, 1920. This application filed July 19, 1928. Serial No. 294,043. 24 Claims. (Cl. 92—21.)

1. A sheet consisting of a felted fibrous material, a coalesced rubber compound extending through the sheet and containing an argillaceous colloid.

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CONTENTS

	Page
ISSUE OF DECEMBER 10, 1929.....	267
ADJUDICATED PATENTS.....	267
ADVERSE DECISIONS IN INTERFERENCE.....	267
DISCLAIMERS.....	267
DECISIONS.....	267
DATE OF PATENT.....	267
APPLICATIONS UNDER EXAMINATION.....	268
DECISION OF THE BOARD OF APPEALS—	
<i>Ex parte</i> Faulk.....	269
DECISIONS OF THE U. S. COURTS—	
<i>In re</i> Daniel.....	270
PATENT SUITS.....	274
TRADE-MARKS PUBLISHED (256 APPLICATIONS).....	275
TRADE-MARK REGISTRATIONS GRANTED.....	306
TRADE-MARK REGISTRATIONS RENEWED.....	314
LABELS.....	315
PRINTS.....	317
REISSUES.....	319
DESIGNS.....	327
PATENTS GRANTED.....	327

Issue of December 10, 1929

Trade-Marks.....	245—No. 204,814 to No. 205,058, inclusive.
T. M. Renewals.....	10
Labels.....	22—No. 36,718 to No. 36,730, inclusive.
Prints.....	8—No. 12,242 to No. 12,249, inclusive.
Reissues.....	8—No. 17,515 to No. 17,522, inclusive.
Designs.....	33—No. 80,070 to No. 80,102, inclusive.
Patents.....	681—No. 1,738,510 to No. 1,739,490, inclusive.
Total.....	1,307

Adjudicated Patents

(C. C. A. N. Y.) Hall patent, No. 1,182,258, for process and apparatus for reducing wood to pulp, *Held* anticipated. *International Burr Corporation v. Wood Grinding Service*, 34 F. (2d) 905.

(C. C. A. N. Y.) Hall patent, No. 1,219,299, for burr for treating grindstones, *Held* invalid or, if valid, not infringed. *Id.*

(C. C. A. Ill.) Huebner patent, No. 1,291,897, for apparatus for positioning the printing plates on the plate holders of photographic-printing apparatus, claim 12 *Held* not infringed. *Directoplate Corporation v. Huebner-Bleistein Patents Co.*, 34 F. (2d) 875.

(C. C. A. Minn.) Smith patent, No. 1,481,886, for vanity case, claim 1 *Held* not infringed and claims 2, 3 and 5 *Held* invalid. *F. W. Woolworth Co. v. Smith*, 34 F. (2d) 895.

(C. C. A. N. Y.) Hill patent, No. 1,526,982, for stencil sheet, *Held* valid and infringed, except as to claims 1, 5, 10, 15, 17, 19 and 20, not determined. *A. B. Dick Co. v. Simplicator Corporation*, 34 F. (2d) 935.

(C. C. A. N. Y.) Clements reissue patent, No. 15,627, for vacuum cleaner, claims 1, 4, 6, 11, 12, 13 and 18 *Held* valid and infringed. *Clements Mfg. Co. v. Regina Corporation*, 34 F. (2d) 931.

Adverse Decisions in Interference

Final decisions in interference have been rendered against the following trade-marks:

T. M. 247,012, Writing and cover paper, Byron Weston Company, Dalton, Mass. Registered September 18, 1928. Decided November 16, 1929.

T. M. 251,161, Coffee-pots. The Enterprise Aluminum Company, Massillon, Ohio. Registered January 1, 1929. Decided November 16, 1929.

Disclaimers

1,725,332.—*Alfred V. Bodine*, Bridgeport, Conn. SAFETY DEVICE FOR PHONOGRAPHS. Patent dated August 20, 1929. Disclaimer filed November 19, 1929, by the patentee, assignee, *Dictophone Corporation*, assenting and concurring.

Hereby enters this disclaimer to the subject matter of claim 13 in the said specification, which reads as follows:

"13. A phonograph comprising a sound-transmitting device; a support for the sound-transmitting device placed upon the support; a mechanical connection engaging said support; a sound-box connected to said sound-transmitting device; and means operated by said mechanical connection for moving the sound-box to inoperative position when the sound-transmitting device is placed upon its support."

1,141,402.—*Ralph D. Mershon*, New York, N. Y. ELECTROLYTIC APPARATUS EMPLOYING FILMED ELECTRODES. Patent dated June 1, 1915. Disclaimer filed November 19, 1929, by the patentee, licensee, *The Amrad Corporation*, acquiescing.

Therefore disclaims from the scope of said Letters Patent any acidulated electrolyte which is not acidulated with an inorganic acid such as boric or phosphoric acid.

Decisions

Decision leaflets of the OFFICIAL GAZETTE are sold as a separate publication.
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Date of Patent

RULE 167. . . . The issue closes weekly on Thursday, and the patents of that issue bear date as of the fourth Tuesday thereafter.

Condition of Applications Under Examination at Close of Business November 29, 1929

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Mar. 23	Apr. 6	1,353
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 21	Mar. 27	1,907
231	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 6	July 12	1,340
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	Apr. 23	Apr. 25	1,350
108*	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Mar. 13	Mar. 13	1,590
218	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Jan. 22	Jan. 25	3,079
108	7. JARBOE, C. G., Optics; Photography.	Mar. 9	Mar. 13	2,365
108	8. HENRY, C. C., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	July 24	1,263
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	May 11	May 8	1,807
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Mar. 13	Apr. 13	1,659
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufacture; Nailing and Stapling; Whip Apparatus.	July 11	Aug. 10	755
230	12. PIERCE, P. P., Machine Elements.	Mar. 30	Apr. 10	1,680
164*	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 29	Apr. 24	1,493
102*	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 7	Apr. 25	1,266
220	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Feb. 1	Feb. 4	2,847
242*	16. SPENCER, C. J., Telegraphy; Telephony.	Mar. 11	Apr. 10	1,342
207	17. RAFTER, G. S., Label Pasting and Paper Hanging; Ornamentation; Paper Manufacture; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 11	Mar. 25	1,464
229	18. PORTER, M. E., Motors, Expandable Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 19	Apr. 22	1,468
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 16	Apr. 1	2,087
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 11	Apr. 20	1,579
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	Apr. 17	July 12	825
244*	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buys; Ships; Marine Propulsion.	Mar. 18	Apr. 20	1,614
217	23. GROESBECK, W. D., Coin Handling; Records; Registers.	Mar. 5	Mar. 1	1,186
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 2	Apr. 26	1,596
202*	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 21	Mar. 23	1,631
228*	26. HODGES, J. S., Electricity, Generation; Motive Power.	Apr. 9	Apr. 3	1,269
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 5	Apr. 16	1,617
228	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 5	Apr. 13	2,039
160*	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	May 25	May 11	811
248	30. SHEPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 2	Aug. 16	1,431
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Mar. 20	Mar. 21	2,489
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	Apr. 17	Apr. 19	1,820
152	33. WYMAN, W. I., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 3	Apr. 6	2,421
304	34. SIMPSON, O. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Apr. 3	Apr. 15	1,213
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	June 10	July 1	1,805
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Mar. 18	Mar. 18	2,236
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Feb. 28	Mar. 5	2,260
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 5	Mar. 5	1,989
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Feb. 1	Feb. 7	1,975
262*	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Mar. 5	Apr. 20	2,967
125	41. BROWN, J. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Apr. 3	Apr. 2	1,386
223*	42. CUTTING, H. O., Electric Signaling.	Apr. 30	June 5	1,602
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Mar. 5	Mar. 5	2,263
263	44. SHAFFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 27	Mar. 12	2,232
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Feb. 8	Feb. 11	2,553
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Apr. 4	Apr. 4	1,661
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Feb. 1	Feb. 20	2,641
212*	48. ROEPKE, O. B., Electricity, General Applications.	Mar. 19	Mar. 18	1,395
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 23	June 27	1,246
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating.	Mar. 11	Apr. 1	2,755
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Mar. 8	Mar. 8	2,313
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 25	Apr. 17	2,356
201*	53. PECK, M. K., Books; Manifold; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	June 28	July 1	2,407
241	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Mar. 1	Mar. 6	2,538
102	55. BOWEN, S. T., (Bread, Pastry, and Confection Making; Cutlery.	Oct. 31	Nov. 15	399
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	July 29	July 29	570
257*	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 21	Mar. 6	2,400
270*	58. DOWELL, E. F., Abrading; Typewriting.	Apr. 2	May 14	1,188
315	59. RICHARD, V. L., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Mar. 2	Mar. 5	1,355
213*	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Feb. 27	Feb. 28	2,643
289	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Feb. 28	Mar. 16	1,909
245*	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Mar. 5	Mar. 5	2,362
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND. (Trade-Marks, Labels and Prints.)	Mar. 14	Mar. 14	2,672
		Oct. 30	Nov. 14	1,540
		Nov. 5	Nov. 18	175

*Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Decision of the Board of Appeals

EX PARTE FAULK

Decided January 25, 1930

PATENTABILITY—ALUMINUM COOKING VESSELS.

Certain claims for a cast aluminum cooking vessel having a plate of iron or nickel interposed between the inner and outer surfaces of the bottom wall held patentable, if limited to the particular interposed metal being rigidly held between the inner and outer layers of aluminum.

[This application has resulted in Patent No. 1,780,034.]

ON APPEAL.

COOKING UTENSILS

Messrs. Fay, Oberlin and Fay for the applicant.

Before KINNAN, First Assistant Commissioner, and SKINNER and REDBOW, Examiners in Chief.

REDBOW, Examiner in Chief:

This an appeal from the action of the Examiner finally rejecting claims 5, 6 and 7. Claim 5 is illustrative and is as follows:

5. The combination with a cast aluminum cooking vessel comprising a bottom wall and side walls, of a plate of temperature-modifying metal interposed within the inner and outer surfaces of said bottom wall.

The references relied on are: Palmer, 243,459, June 28, 1881; Cloud, 498,157, November 15, 1892; Cole, 561,566, June 9, 1896; Moench, 1,165,339, December 21, 1915.

This application specifically discloses a composite cooking receptacle, the side walls being of aluminum and the bottom being of a composite structure of aluminum and iron, or nickel. A plate of iron or nickel is firmly attached within the aluminum bottom by being either cast in or clamped between two aluminum plates, one of which is the integral bottom of the receptacle and the other a supplemental plate. Applicant alleges to secure a better heat distribution to prevent scorching of food in the utensil and to prevent warping of the bottom.

The principle of the first alleged result is not clear, since aluminum is a much better heat conductor than iron and would tend to distribute heat if applied too intensely at one spot, better than iron or nickel would. The second result is possibly due to the greater stiffness of iron and nickel.

We believe some of the difference of opinion as to the applicability of the references arises from the broad terms in the claims. Applicant contends that none of the references disclose aluminum cooking vessels, but applicant's vessel is not entirely of aluminum. It is a composite vessel of aluminum and iron, and it is a matter of degree at most, between Cole's receptacle and applicant's whether one is classed as an aluminum vessel and the other not as applicant contends. This objection applies to claim 7. Claim 6 is even broader as a vessel formed of a metal normally subject to warpage. We believe that warpage is a physical property, common to all metals, and such term does not limit the claim to

aluminum. It is true of any of the metals disclosed by Cloud, Cole and Palmer. Also the broad expression "interposed between" does not require rigid union between the metals, they still may be loosely superimposed as in Cloud. Also the expression "temperature modifying metal" is broad and applies to any metal. Every metal has different heat conductivity from every other metal and any one would be temperature modifying with respect to any other as in each of the references.

Applying these observations to the claims we find that claim 6 reads term by term on Palmer wherein is found a heat receiving wall of a cooking vessel of two layers of tin which is subject to warpage, with temperature modifying metal iron—between. The claim implies that the vessel as a whole is formed of the "metal subject to warpage" but the body of Palmer's vessel is formed of metal which as explained above is subject to warpage. It is further considered that the heat receiving side is the only one concerned in this case and that it is immaterial in applicant's vessel or the references whether the sides are of the same metal as the alleged "metal subject to warpage" in the bottom or of different metal from that of the bottom. This claim falls to avoid Palmer.

Claim 7 broadly refers to an aluminum vessel in the preamble which implies that the bottom would also be of aluminum on the inner and outer surface, but this would strictly, not necessarily be true. However construing the claim as being limited to aluminum it is not clear that it sets forth the essential features of the utensil to accomplish the results desired. It would be fully satisfied in terms simply by placing an outer aluminum jacket similar to the inner one on Cole's vessel. Within the scope of this claim the aluminum need not be attached in any way to the middle layer of metal which may be any metal. It seems that if warpage is to be prevented, there would be required some kind of attachment between the aluminum and the stiffer metal throughout their area and the reinforcing metal should be specified as being relatively stiffer or more rigid than aluminum. This claim is found to be in too broad and indefinite terms to present patentable difference over the references cited. It is not clear that the structure defined by it is more than merely equivalent to the structure shown by Cole, or that as in the terms stated that it involves more than the broad substitution of aluminum for the layers of tin and copper disclosed by Palmer and Cloud. We do not find this claim allowable.

The application is believed to present patentable novelty and claim 5 in referring to a cast aluminum vessel is directed to one feature which is material as it is believed that the question of warpage would only apply to relatively thick rigid walled vessels. This claim however includes the vague expression "temperature modifying metal" which as explained

above would read on any other metal. It is thus much broader than iron and nickel which are the only examples named for such metal. Also the claim should include the limitation that the iron plate is rigidly held between the inner and outer layers of aluminum of the bottom wall. We would allow this claim if amended by substituting for the portion following "a plate of" the following wording: *iron nickel or equivalent metal interposed and rigidly held between inner and outer layers of aluminum of the bottom wall thereof*. The Examiner is authorized to enter an amendment of this kind if presented and allow the claim. We do not regard Moench as sufficiently analogous art to be a reference.

The rejection of the claims on appeal is affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DANIEL

No. 2,125. Decided October 4, 1929

1. **ANTICIPATION—PUBLICATION—ACCIDENTAL DISCLOSURE.**
Held that the disclosure appearing in Fig. 5 of a certain patent was an accidental showing of such a nature that it can not be held an anticipation of appellant's later application.

2. **SAME—CURTAIN-SHADE ROLLERS.**
Certain claims for curtain-shade rollers held patentable over the prior art, since a result or function has been accomplished in a different manner from that disclosed in the prior art.

APPEAL from Patent Office. Reversed in part.

Mr. Vernon E. Hodges and Mr. J. Preston Swecker for Daniel.

Mr. T. A. Hostettler for the Commissioner of Patents.

GARRETT, J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming the action of the Examiner in rejecting claims 1, 2, and 3 of applicant, and also rejecting claim 4 which was admitted for purpose of appeal by the Board and rejected in its decision.

The subject matter of the application is a claimed device or mechanism for improved curtain-shade rollers, and the claims involved in this appeal are as follows:

1. The combination with a curtain-shade roller and a curtain shade and cord, said shade and cord secured to and adapted to wind on the roller in opposite directions, of a bracket or fixture forming in a single piece, a closed, round bearing for the roller and a guide for the cord, and rotatable means carried by the bracket between which and the bracket the cord passes and is adapted to be pinched when directed laterally to a predetermined position, the cord being free and disconnected from the point where it leaves the rotatable means, so that its manipulation is at all times entirely within the control of the operator.

2. A device of the character described including a curtain shade, and a roller, having a round pintle, and provided with a reel at one end and a cord attached to the reel and adapted to wind thereon, and a bracket having an integral bearing formed to fit the pintle of the roller and a pair of integral ears in planes parallel with the bearing, a stop pulley rotatably mounted in said ears to turn on an axis parallel with the axis of the curtain-shade roller, said stop pulley having grooves therein, and between which and the bracket the cord on the reel extends, certain of said grooves being adapted to guide and clamp the cord, the curtain and cord being wound around the roller and reel in opposite directions, the cord being wound to roll up the curtain, and the curtain being unrolled by releasing and slackening the tension of the cord.

3. The combination with a curtain-shade roller and a curtain shade and cord, said shade and cord secured to,

and adapted to wind thereon in opposite directions, of a bracket or fixture forming a bearing for the roller and a guide for the cord, located above the roller, and rotatable means carried by the bracket to which the cord extends directly from the roller, and between which and the bracket the cord passes and is adapted to be pinched when directed laterally to a predetermined position thereon, the cord being free and disconnected from the point where it leaves the rotatable means, so that its manipulation is at all times entirely within the control of the operator.

4. The combination with a curtain-shade roller and a curtain shade and cord, said shade and cord secured to and adapted to wind thereon in opposite directions, of a bracket or fixture forming a bearing for the roller and a guide for the cord, and rotatable means carried by the bracket to which the cord extends directly from the roller, and between which and the bracket the cord passes and is adapted to be pinched when directed laterally to a predetermined position thereon, the cord being free and disconnected from the point where it leaves the rotatable means, so that its manipulation is at all times entirely within the control of the operator.

The first decision of the Board of Appeals rendered June 30, 1927, involved only the first three claims, and was as follows:

This is an appeal from the decision of the Examiner in finally rejecting the three claims in this application. Claim 1 is given here as an example:

"The combination with a curtain-shade roller and a curtain shade and cord, said shade and cord secured to and adapted to wind on the roller in opposite directions, of a bracket or fixture forming, in a single piece, a closed, round bearing for the roller and a guide for the cord, and rotatable means carried by the bracket between which and the bracket the cord passes and is adapted to be pinched when directed laterally to a predetermined position, the cord being free and disconnected from the point where it leaves the rotatable means, so that its manipulation is at all times entirely within the control of the operator."

The references relied upon are: Truemper, 264,206, September 12, 1882; Dawson, 1,181,852, May 2, 1916.

Claim 1 reads directly on the patent to Truemper except that it specifies that the bracket is "in a single piece" and that it has "a closed round bearing for the roller." There is also a statement that the cord is "free and disconnected from the point where it leaves the rotatable means." It is well established in the decisions of the courts that there is ordinarily no invention in making in a single piece what has before been made in two, and the limitation to a bracket "in a single piece" cannot make the claim allowable. There is nothing novel in making a round bearing for the pintle of a curtain roller, see the ordinary brackets in general use. In Truemper the pull on the curtain roller is downward so that the pintle cannot rise in the slot which is made open so that the roller can be readily removed from the bracket. In the reference, the cord J would be "free and disconnected" if the switching arm K were omitted and there is no necessity for using it if one were willing to dispense with its function. It is merely an additional element to do automatically what appellant must do manually. This claim is not limited to locating the locking device above the curtain roller nor to making the bracket of sheet metal nor does it specify any particular construction of the bracket except the round bearing. We are unable to find anything patentable in the claim over the reference.

Claim 3 is like claim 1 except that it locates the locking device above the roller" and claim 2 is a little more specific than claim 1 as to the ears for pivoting the locking device. The Examiner cited the patent to Dawson to show a cord guide above the roller and a sheet metal bracket similar to that of the application and held that in view thereof there would be nothing inventive in mounting Truemper's locking roller in such a bracket. We find that this Dawson patent has been released as No. 14,375, Oct. 9, 1917, and assigned to the Cunningham Springless Shade Co. who are also the owners of the reissue application which is before us on appeal. This reissue patent shows in Fig. 5, a bracket identical with that of the present case, so far as the cord guide is concerned, and it has downturned ears in which a guide roller is pivoted. If the guide roller of Truemper were substituted for the plain roller of Dawson, the entire structure disclosed by appellant would be produced. In view of this Dawson patent we see no invention in using Truemper cam roll above the curtain roller, as specified in claim 3.

We agree with the Examiner that the claims are not patentable over the references, and the decision of the Examiner is affirmed.

Following this decision applicant on August 2, 1927, filed a petition for rehearing, alleging surprise by the citation by the Board of Appeals of the Dawson reissue patent of October 9, 1917, No. 14,375, same being a reissue of an earlier Dawson patent, No. 1,181,852.

The drawings accompanying the Dawson reissue, No. 14,375, showed a Figure 5 which was not dis-

closed in the original, No. 1,181,852, and it was insisted that the Board of Appeals based its decision affirming the rejection of applicant's claims by the Examiner, in part at least, upon this additional figure. It was and is further insisted, first, that there is "a very material difference between the two," and, second, that the Figure 5 in the Dawson reissue drawings was "inserted as an afterthought and while the application for the reissue was pending" and "should not be regarded as a reference or publication and certainly not as an anticipation" of applicant's claim of invention; and request was made to insert an additional claim.

This request was granted and the additional claim appears as claim 4, supra. After the record had been so made up, on August 31, 1927, there was a review by the Board of Appeals of the application as amended. In this second decision the Board said:

In our decision of June 30, 1927, on this appeal we cited the reissue patent to Dawson, No. 14,375, which was not then of record in the case. The appellant asks for reconsideration in view of this citation, as provided for in Rule 139, and also requests entry and consideration of an additional claim.

We have carefully considered the case in view of the petition and do not see any reason for changing our position. The reissue patent was not cited as a basic reference but in Fig. 5 it appears to disclose a specific structure of bracket which was more nearly like that of the application than that shown in the original Dawson patent.

Our position is that functionally the patent to Truemper discloses the essential elements of appellant's combination of parts and he has merely modified the details of the bracket in view of the Dawson patents which were only cited because of the limitations in claim 2 to the integrity of the ears for supporting the stop pulley and in claim 3 to the location of the stop pulley above the roller. It is held that there is no invention in making the ears G' G of Truemper integral with the roller bracket E, especially in view of the ears in Fig. 5 of Dawson's reissue, or in locating the stop roller of Truemper above curtain roller as suggested by the position of the guides of the Dawson patents.

We see no objection to the consideration of the proposed claim, included in the petition for rehearing, for the purpose of the appeal, but we hold that it is unpatentable for the reasons given in connection with claim 1 in our former decision and reiterated in the present decision.

The decision of the Examiner is affirmed.

It thus appears that both the Examiner and the Board of Appeals hold that no patentable claim is presented by applicant because his several claims present no functional element or elements differing essentially from those disclosed in the prior patents of Truemper and Dawson referred to in their respective decisions.

[1] It seems necessary that the court first decide the controversy growing out of the inclusion of Fig. 5 in the drawings accompanying the Dawson Reissue No. 14,375, because, while it is stated in the opinion of the Board upon the petition for rehearing, that "The reissue patent was not cited as a basic reference," yet the figure is a part of the record, and, as we understand the brief and oral argument of the Solicitor for the Patent Office, the reissue is relied upon in this court along with the original Dawson patent and the Truemper patent, as authority for the affirmation of the decision of the Board of Appeals sustaining that of the Examiner.

It is the insistence of the appellant that Fig. 5 in the drawings was inserted as an afterthought, and the court is cited to the file contents of the reissue application. By permission of the court the original file, although not a part of the transcript, was received and examined. It apparently bears out the

contention of appellant that the figure was added after an interview between the attorney and the Examiner and following a suggestion of the latter that "the perspective view of the bracket 7 in Fig. 3 fails to do full justice to the construction of the slot 6 which terminates in the lateral pocket" (original file 167 15 received by the court and marked as "Appellant's Exhibit"). This file also has the cut of a blue print showing an enlarged figure of the device which appears in the drawings as Fig. 5. As we understand appellant's contention upon this phase of the issue, it is, in substance, that the sole purpose of filing this cut of the blue print in connection with the reissue application was to clarify or make more vivid the use of slot 6 in bracket 7 as shown in the drawing designated Fig. 3, and it was "overlooked that this blue print showed more than Dawson's invention in the arm and guide roller carried thereby."

An examination of the specification of the Dawson reissue Letters Patent discloses that it is stated in lines 98, 99 and 100 (Tr. p. 25) "Fig. 5 is a view in side elevation of the supporting bracket 7." When we closely compare Fig. 3 (which shows fully the bracket 7 in a somewhat front elevation) with Fig. 5, as these appear in the drawings, it is readily evident that Fig. 5 does show more than merely a side elevation of the bracket 7. There is discernible a curved arm 11 extending over the bracket (of which the arm is a part being integrated with it), the arm having ears between which there is apparently a small pulley over which the cord attached to the shade roller below is evidently intended to operate. This part of the mechanism corresponds quite closely with the description given by Daniel in the application at issue in this case where it says: "The bracket preferably has an overhanging arm 9 which terminates in proximity to the reel, and, in the particular form shown, a little over and beyond the vertical plane of the pintle 3." Fig. 5 of Dawson reissue is very similar in appearance to Fig. 6 in the Daniel application drawings, and we understand it to be the contention of appellant's brief that the arm and reel or guide roller shown in the controversial Fig. 5 was the invention of Daniel and not of Dawson.

We infer from this record and an examination of the signatures of the attorney to the official documents, that the same attorney appeared before the patent officials and prepared the papers and presented the cause in both claims, and we understand one company to be, or to have been, at the time of their pendency in the Patent Office, the owner of rights in both claims. This fact while having no bearing upon the law of the case aids in understanding the appearance of drawings very similar without there having been correspondingly similar claims.

We think the contention of appellant that "There is no suggestion in any of the claims of the Dawson patent of ever attempting to cover the upwardly extending arm 11 shown in the reissue patent in the form" (Fig. 5) "there illustrated," borne out

by the record. An examination of the Dawson claims in the application for reissue discloses no language which to the mind of the court appears to make any claim as to the arm ears and guide roller shown in Fig. 5, nor is there in the description of the operation any reference which we think can properly be construed as referring to them. We think it was contemplated in the Dawson reissue application that the cord should pass through the eyelet 10 of the bracket 7 as shown in Fig. 3, and that the overhanging arm 11 of Fig. 5 with its small ears and pulley, or guide roller, was not considered for the purpose and that it is nowhere claimed by Dawson. We understand it to be a rule generally applicable "to refuse to allow diagrams to supply an element altogether lacking from the specifications." See *Davis-Bournonville Co. v. Alexander Milburn Co.*, 297 Fed. Rep. at page 848.

We think it significant that in describing the operation of the Dawson reissue patent no reference is made in specific words to the upwardly extending arm 11 and the ears and guide roller shown in Fig. 5 although there is a discussion of the slot portion of said figure in its relation to locking the pintle. Lines 37 to 53 inclusive (Tr. 26) of the Dawson reissue specification read as follows:

The end 6' of the pintle aperture forms a pocket which supports the pintle 5 when the curtain is turned in either direction and this is accomplished by the operator manipulating the single cord 9, the first pull on the cord having the effect of lifting the pintle from its locked position in the lower end 6' of the opening 6, into the pocket 6' where it is capable of rotating in one direction or the other accordingly as the cord 9 is pulled down or allowed to move in the direction so long as it is kept taut, the pintle relocking when the cord is released or slackened permitting the pintle by gravity to roll over into the lower end 6' of the opening 6, when it locks.

That the quoted paragraph has reference to Fig. 5 is manifest from the fact that the only place in the five drawings where the numerals 6' and 6" appear is in connection with that figure. It appears from the original file referred to supra that the quoted paragraph was inserted as an amendment (Orig. file 167-15) to the specification at the time of the filing of the cut of the blue print heretofore alluded to, and it is the last paragraph of the specification in the reissue, coming immediately before claim 1.

Upon the record, therefore, the court must conclude that in so far as the arm 11 and the ears with guide roller held therein are concerned, the insertion of Fig. 5 was accidental and put there by mistake.

Under this finding of fact upon this phase of the controversy what is the applicable law?

Appellant has furnished us with numerous references to adjudicated cases to fortify his insistence that an accidental showing with no claim based thereon in the patent issued does not constitute an anticipation or disclosure which should preclude favorable action on appellant's claim covering this point.

In *Kryptok Co. v. Stead Lens Co.*, 207 Fed. Rep. 85, 87 (affirmed 214 Fed. Rep. 268), it was said:

The disclosure of a recess in Fig. 4 of the drawings of the Morck patent, if it be a disclosure at all, was purely accidental. It was certainly not appreciated by the inventor. It is well settled that it is no anticipation that by a mistaken showing in the figure of a preceding patent, by the error of the draftsman, the structure of the patent appears contrary to the conception of the inventors and the

reading of the patent. (*Edison Electric L. Co. v. Novelty Incandescent Lamp Co.* (C. C. A.) 167 Fed. 977, 93 C. C. A. 387; *Gray Telephone Pay Station Co. v. Baird Mfg. Co.* (C. C. A.) 174 Fed. 417, 98 C. C. A. 353; *Beckwith v. Malleable Iron Range Co.* (C. C.) 174 Fed. 1001; *Brill v. Third Ave. R. Co.* (C. C.) 103 Fed. 289).

In *Gray Telephone P. S. Co. v. Baird Mfg. Co.*, 174 Fed. Rep. 417 (C. C. A. 7) the court stated the rule to be:

A patent for a mechanical combination is not anticipated by a drawing in a prior patent which incidentally shows a similar arrangement, which is not essential to the first invention, and was not designed, adapted or used to perform the function which it performs in the second invention, and where the first patent contains no suggestion of the way in which the result sought is accomplished by the second inventor.

In *Edison Electric Light Co. v. Novelty Incandescent Lamp Co.*, 167 Fed. Rep. 977 (C. C. A. 3) Archibald, J., discussed the question as follows:

Equally ineffective is it to urge that the Edison construction is disclosed by the Lamp and Wightman patent, where, by an error of the draftsman in one of the figures, the outer section of the leading-in wire is apparently made to extend into the glass. The inventors had no such conception, and no one reading the patent would get any idea of it, if, indeed, he would not perceive and correct the mistake. To accept it, under the circumstances, as a disclosure which advanced the art, anticipating the present invention, would reflect on the judgment of the court.

In the case of *Hale & Kilburn Mfg. Co. v. Lehigh Valley Traction Co.*, 126 Fed. Rep. 653 the mechanism involved related to certain improvements in the backs of car seats by the addition of a handhold from the cut-out corner of the seat. The inventor was George H. Davis, his Letters Patent being No. 648,927. Prior to the issuance of the patent to Davis, Letters Patent had been issued to one Hale, the number being 626,831, and the court stated "the drawings of the seat back and handle are precisely alike in each." It is further recited in the opinion of the court that although Hale makes no claim for the seat back or the handle the specification (italics ours) has the pertinent paragraph:

The said back B is provided with a handle K, to support passengers standing in the aisle. This is preferably performed by cutting away the seat back at one corner and attaching thereto a handle which thus forms a substantial continuation of the seat back frame.

The court then continues:

Unexplained, this exact likeness would, of course, be fatal to the Davis patent, and undoubtedly the foregoing facts cast upon the complainant the burden of showing by clear and convincing evidence that in spite of appearances, Davis was entitled to priority of invention.

Such satisfactory evidence in that case was found in the testimony of Hale and the court from it declared "the likeness between the two drawings is satisfactorily accounted for," and held that in the absence of any claim by Hale, notwithstanding the specific language quoted from the specification, there had not been a publication such as to preclude the Davis claim.

It seems to us that the *Hale v. Kilburn* case is practically on all fours with the case at bar. We have found, not from testimony indeed, but from other matters appearing in the record that are quite as convincing as testimony would be that Dawson made no claim and that as to the arm, ears, and guide roller there was not a specific or even a general description in the specification.

In the later case of *United States Metallic Packing Co. v. Hewitt Co.*, decided by the Circuit Court of Appeals, Seventh Circuit, April 24, 1916, and upon

which a rehearing was denied July 13, 1916, 236 Fed. Rep. 739 (C. C. A. 7) the court said:

A patent for a mechanical combination is not anticipated by a drawing in a prior patent which incidentally shows a similar arrangement of parts, when such arrangement is not essential to the first invention, and was not designed, adopted or used to perform the function which it performs in the second invention, and when the first patent contains no suggestion of the way in which the result sought is accomplished by the second invention. (Italics ours.)

This seems directly in point under the facts of the instant case, and we do not think its applicability is overcome by the expression in the still later case of *Fulton Co. v. Bishop & Babcock Co.*, 284 Fed. Rep. 774, cited by the Solicitor for the Patent Office, in which the Circuit Court of Appeals, Sixth Circuit, held that under the facts of that particular case the disclosures were not to be regarded as merely accidental or incidental. The facts of that case differed from the *Metallic Packing Co. v. Hewitt Co.* case as well as from the others cited supra and from the case at bar.

In the case of *Keen v. New Idea Spreader Co.*, 231 Fed. Rep. 701, cited by Solicitor for the Patent Office, the Circuit Court of Appeals said:

Apart from the undisputed testimony of defendants' expert the drawings alone must be relied on. (Italics ours.)

In the case at bar, it seems to us, the matters in the record together with matters not in the record, but which might have been placed there had there been an intent of claim on the part of Dawson, differentiate it from the Keen case and we are not confined merely to an examination of the drawing. It is noted that in the Keen case the court pointed out that "when the identifying letters appearing in the specifications are read in connection with the drawings, the parts are easily recognized, (etc)."

In the Dawson reissue numerals instead of letters were used in the specification to explain the drawings, and there is no reference in the specification to numeral 11 of Fig. 5 and the ears and guide roller in the figure as drawn have no numerals, or other designating or descriptive marks.

The facts in the *American Steele Foundries et al. v. Bettendorf Axle Co.*, 245 Fed. Rep. 571-576 also cited by the Patent Office solicitor do not, to our minds, correspond with the facts of the instant case so as to make the language quoted therefrom in solicitor's brief applicable.

We are of opinion, therefore, and hold that, so far as that part of Figure 5 in the Dawson Reissue No. 14,375, showing the overhanging arm 11 and the ears and guide roller, or pulley therein, is concerned, it was an accidental showing of such a nature, under all the facts of the case, that it can not be held to be anticipation of the later application of appellant Daniel, and there does not appear to be any conflict between the claims of Daniel in the instant case and that portion of Fig. 5 in Dawson reissue which relates to the locking of the pintle.

Since the court held the Dawson Reissue 14,375 not to be a valid reference, it remains to be determined whether the claims of Daniel, in whole or in part, were anticipated by the patents to Truemper

and the original Patent 1,181,152 to Dawson, one or both.

[2] The court has made careful examination and analysis of the drawings, specifications, methods of operation, and claims accompanying the Truemper and Dawson patents and compared them with those of appellant, and we conclude that there is a distinction between them sufficiently clear and definite (Fig. 5 of the Dawson reissue being eliminated from consideration) to show invention on the part of Daniel, and we are of opinion that this distinction is fairly stated in the conclusion of appellant's brief in the following language:

We shall not endeavor to state in this opinion in detail the conclusions reached from our examination (which we have tried to make thorough) of the authorities cited pro and con in the respective briefs upon the question of the integration of parts into a single piece. We think the weight of authority applicable under the facts of this particular case sustains the contention of appellant. It appears to us that the device of Daniel, taken as a whole, of course including the parts held to show invention, accomplishes a result or function in a manner so differing from any prior art brought to our attention in the record, as to render his claim allowable, and that the facts of record bring his case within the doctrine laid down in *Davis-Bournonville Co. v. Alexander Milburn Co.*, 297 Fed. Rep. 846, where the District Judge in an opinion showing great research and learning said:

However, the tip as it stands is not single, and is incapable of the advantages of the plaintiff's and defendant's device. It is, indeed, sometimes said that there can be no invention in making into two parts what was single, or vice versa. So far as such statements explain any given situation, they are very well; but they should not be taken as positive rules of general application. It is often an invention of considerable merit to combine into one part what everyone had theretofore thought must be in two. In the case at bar it is certain that Brousseau's torch was not fitted as a universal head for interchangeable tips, and that it required the suggestion from some one else to make it so. It is true that once one thought of it, there was not much trouble in making the change, but that is often so. Experience might show that it was unnecessary to adopt Brousseau's awkward member, 32, and that the remaining two parts might be consolidated, but that experience was apparently not yet at hand.

There is in the first syllabus of the opinion last above referred to a statement based upon one declaration of the court, which we think may very properly be quoted in the decision of the case at bar.

It reads:

A patent for a device which displaced all other similar devices and which seems likely to be the final form, even if patentees at the time did not recognize the full value of their invention, held entitled to much favor from the court.

While we would not assume to assert that the Daniel mechanism is likely to be the final form of the springless shade roller, or that it has displaced or will displace others, it does appear from statements in the brief for appellant, to which Solicitor for the Patent Office makes no objection or question, that it has proved to be a success, while the Truemper and Dawson patents have never been utilized in manufacture or commerce.

Under the view which we take of the case it is not deemed necessary to analyze, discuss or decide

the respective contentions relative to what weight should be given to commercial success and we refrain from so doing.

The essential claims necessary to cover Daniel's rights as herein found are contained in the last three claims. The decision of the Board of Appeals is therefore affirmed as to claim 1 and reversed as to claims 2, 3, and 4.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

942,699, L. H. Backeland, Resinous body and method of producing same; 942,852, same, Indurated product and method of preparing; 1,038,475, same, Process of making insoluble bodies derived from phenol alcohols; 1,020,593, J. W. Ayisworth, Phenolic condensation product and method of preparing same; 1,098,608, same, Enamel lacquer or varnish, D. C., W. D. N. Y., Doc. 614-D, *Bakelite Corp. v. Durac Co., Inc.* Discontinued Feb. 3, 1927.

942,852. (See 942,699.) 1,020,593. (See 942,699.)

1,038,475. (See 942,699.) 1,098,608. (See 942,699.)

1,125,476, G. Claude, System of illuminating by luminescent tubes, D. C., N. D. Ohio (E. Div.), Doc. 2382, *The Bellows Corp. v. Sun Ray Gas Corp. et al.* Claim 1 held valid and infringed Sept. 30, 1929.

1,142,754, 1,246,016, G. H. Curtiss, Flying boat; 1,223,316, same, Multiple-control system for prime movers; 1,228,381, same, Hydro aero machine; 1,246,017, same, Boat-type wing pontoon; 1,420,610, same, Method of getting a hydroplane off the water into the air; 1,203,550, same, Hydroplane; 1,420,609, same, Flying machine; 1,223,320, Curtiss & Tarbox, Multiple-step flying boat, filed Oct. 3, 1929, D. C. Del., Doc. E 748, *Curtiss Assets Corp. v. Consolidated Aircraft Corp.*

1,203,550. (See 1,142,754.)

1,206,462, S. C. Nott, Automatic alarm for dictating machine, filed Oct. 4, 1929, D. C., S. D. N. Y., Doc. E 50/282, *T. A. Edison, Inc., v. Dictaphone Corp.*

1,212,840, F. J. Straub, Building block and method of making, filed Oct. 11, 1929, D. C., Nebr. (Omaha), Doc. E 1046, *The Cinder Block Co. et al. v. F. F. Shields Co.* Doc. E 1047, *The Cinder Block Co. et al. v. G. W. Platner (Platner Lumber Co.).* Doc. E 1048, *The Cinder Block Co. et al. v. Omaha Concrete Stone Co.*

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1,228,381. (See 1,142,754.) 1,246,016. (See 1,142,754.)

1,246,017. (See 1,142,754.)

1,253,596, 1,253,597, T. G. Hitt, Fire cracker, D. C., Del. Doc. E 711, *Hitt Flashcracker Co. v. Victory Sparkler & Specialty Co.* Consent decree holding Patent 1,253,596 valid and infringed Oct. 2, 1929.

1,253,597. (See 1,253,596.)

1,265,486, J. Q. Neal, Chain lock, filed Sept. 20, 1929, D. C., S. D. Miss. (S. Div.), Doc. —, *J. Q. Neal v. Enterprise Foundry & Machine Co.*

1,420,609. (See 1,142,754.) 1,420,610. (See 1,142,754.)

1,481,451, 1,516,130, E. J. Wirfs, Gasket, D. C., E. D. Mo. (E. Div.), Doc. 7608, *E. J. Wirfs et al. v. G. J. Gruendler Mfg. Co., Inc.* Consent decree for plaintiff Sept. 30, 1929.

1,486,779, C. Mayer, Girdle brassiere, C. C. A., 6th Cir., Doc. 5144, *J. S. Condit v. Jackson Corset Co.* Claims 1 and 2 held invalid Oct. 11, 1929.

1,516,130. (See 1,481,451.)

1,576,138, A. C. McBride, Brake-band-relining machine, D. C., M. D. Pa., Doc. 513, *Wright & Corson v. The Monley Mfg. Co.* Dismissed Oct. 10, 1929.

1,577,150, C. E. Putman, Imitation shake shingle; 1,634,789, C. J. Melby, Shingle-planing machine, filed Oct. 1, 1929, D. C., Oreg. (Portland), Doc. E 9058, *Royal Shingle Co. et al. v. Beaver State Shingle Co. et al.*

1,587,078. (See 1,609,273.)

1,589,986, T. Russell, Method of cleaning furnaces; 1,589,987, same, Process for cleaning furnace casings, D. C., Del., Doc. E 739, *Holland Furnace Co. v. W. R. Wertz (Wertz Furnace Co.) et al.* Consent decree holding patents valid and infringed Sept. 28, 1929.

1,589,987. (See 1,589,986.)

1,592,548, H. S. Walker, Underfloor duct system, filed Oct. 7, 1929, D. C., S. D. N. Y., Doc. E 50/302, *H. S. Walker v. Western Electric Co., Inc. et al.*

1,609,273, E. Davis, Pneumatic control and safety device for pressing machine; 1,587,078, H. H. McDermott, Operative mechanism for steam presses, filed Oct. 9, 1929, D. C., S. D. Ohio (W. Div.), Doc. E 628, *The Prosperity Co., Inc. v. The American Laundry Machinery Co.*

1,634,789. (See 1,577,150.)

1,641,840, R. C. Enysart, Fluid meter, D. C., S. D. Ind. (Indianapolis), Doc. 1132, *The P. H. & P. M. Roots Co. v. The Connersville Blower Co.* Dismissed Sept. 24, 1929.

1,655,003, J. C. Woodford, Apparatus for supplying air under pressure, filed Oct. 4, 1929, D. C., N. D. Ohio (W. D.), Doc. E 1010, *Service Station Equipment Co. v. The Air Scale Co.*

1,669,076, P. N. Braun, Shirt-pressing machine, filed Oct. 9, 1929, D. C., S. D. Ohio (W. Div.), Doc. E 629, *The Prosperity Co., Inc. v. The American Laundry Machinery Co.*

1,699,907, G. W. Newman, Record binder, filed Oct. 7, 1929, D. C., S. D. N. Y., Doc. E 50/304, *Wilson-Jones Co. v. Endick Parts Co., Inc.*

1,711,814, C. C. Shipp, Radiator-box base, filed Sept. 18, 1929, D. C., S. D. Ind. (Indianapolis), Doc. 1207, *C. C. Shipp v. J. J. Barnhart et al.* Doc. 1208, *C. C. Shipp v. Scott School Township et al.*

1,715,323, A. M. Hahn, Hosiery, filed Sept. 25, 1929, D. C. Del., Doc. E 746, *Artcraft Silk Hosiery Mills, Inc., v. Combine Hosiery Corp.*

1,721,664, H. A. Husted, Method of making flanged metal spiders, filed Oct. 9, 1929, D. C., Mass., Doc. E 3169, *H. A. Husted Co. v. Worcester Pressed Steel Co.*

Re. 15,791, P. Leiken, Knickers, filed Oct. 7, 1929, D. C., S. D. N. Y., Doc. E 50/305, *The Peerless Smoking Jacket Co., Inc., et al. v. B. Lamm et al.*

Re. 16,050, M. F. Bernson, Jack, D. C., E. D. Wis. (Milwaukee), Doc. 2362, *Walker Mfg. Co. v. Ajax Auto Parts Co.* Consent decree for plaintiff Oct. 4, 1929.

Re. 16,387, S. W. Carter, Propeller, filed Oct. 14, 1929, C. of Clms. D. of C., Doc. K—462, *Carter Patents, Inc., v. The United States.*

Des. 70,209, J. Berlinger, Wedding ring, D. C., S. D. N. Y., Doc. E 50/162, *J. Berlinger v. S. Abrams.* Injunction Oct. 11, 1929.

Des. 73,376, H. Hausman, Textile fabric, filed Oct. 4, 1929, D. C., S. D. N. Y., Doc. E 50/283, *H. Hausman v. A. C. Weissman Co., Inc., et al.*

Des. 77,413, C. W. Jones, Chair frame; Des. 78,930 and Des. 78,931, same, Chair, D. C., S. D. N. Y., Doc. E 50/155, *Sons-Cunningham Reed & Rattan Co., Inc., v. Bielecky Bros., Inc.* Consent decree for plaintiff (notice Oct. 9, 1929).

Des. 78,930. (See Des. 77,413.) Des. 78,931. (See Des. 77,413.)

T. M. 83,823, Ex-Lax Mfg. Co., Laxative preparation, filed Sept. 30, 1929, D. C., M. D. Pa., Doc. E 636, *Ex-Lax Mfg. Co. v. G. Quinton et al.*

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 10, 1929

[Vol. 389. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

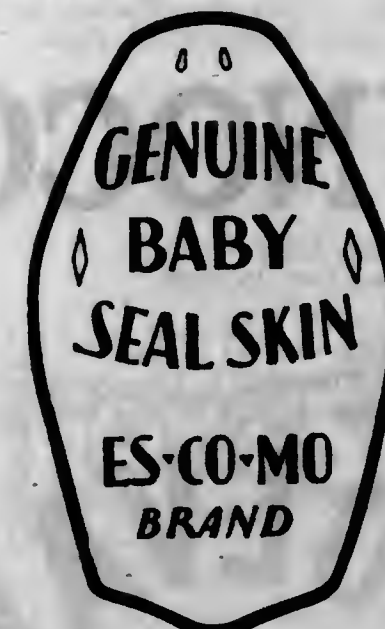
Raw or Partly-Prepared Materials

Ser. No. 185,281. ROBERT B. BUCHANAN, Memphis, Tenn. Filed Sept. 1, 1923.



Applicant hereby disclaims all wording on the mark with the exception of the word "Buck." For Garden, Field, and Lawn Seeds. Claims use since about 1912.

Ser. No. 278,287. EITINGON-SCHILD CO. INC., New York, N. Y. Filed Jan. 22, 1929.



Applicant hereby disclaims the right to the exclusive use of the words "Genuine Baby Seal Skin Brand" used in connection with applicant's trade-mark.

For Raw, Dressed, Dyed, and Dressed Animal Skins, Pelts, and Furs.

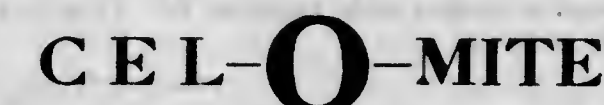
Claims use since Oct. 5, 1927.

Ser. No. 285,171. REGALITE CORPORATION OF AMERICA, New York, N. Y. Filed June 6, 1929.



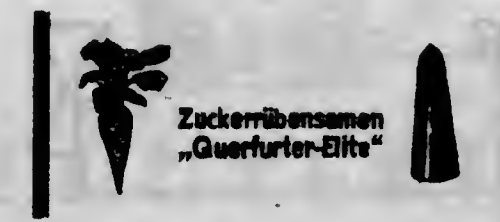
For Composition of Resinous Matter Used in the Plastic-Material Field Which is Pliable and is Pressed into Molds and is Baked in Order for It to Harden. Claims use since June 28, 1928.

Ser. No. 289,146. CHARLES B. CRISTAL COMPANY, INC., New York, N. Y. Filed Aug. 29, 1929.



For Infusorial Earth or Kieselguhr. Claims use since 1924.

Ser. No. 290,428. QUERFURTER ZUCKERRÜBENSAMENZUCHT BERGMANN & CO. G. M. B. H., Querfurt, Germany. Filed Sept. 30, 1929.



No claim being made to the exclusive right to the use of the word "Zuckerrübensamen" or the representation of a beet apart from the mark shown in the drawing.

For Sugar-Beet Seeds.

Claims use since Oct. 1, 1928.

Ser. No. 290,898. LAKEMILL TEXTILE CORPORATION, New York, N. Y. Filed Oct. 10, 1929.

SABLINE

For Viscose Material in the Raw State Having Cellulose or Wool Pulp as Its Base.
Claims use since May, 1929.

CLASS 2

Receptacles

Ser. No. 282,017. THE ARTCRAFTERS, Custer, S. Dak. Filed Apr. 8, 1929.

ARTCRAFTERS

For Articles Formed from Crude Ores; Semiprecious Stones—Namely, Rose Quartz, Ruby Slate, Garnet, Yellow Lepidolite, and Like Substances; Petrified Wood, Ornamental Rock and Minerals; Marmalade Jars, Playing-Card Cases, Pin Trays, Bowls, Candy Dishes, Vanity Sets, Perfume Bottles, Jars, Urns, Vases, Flowerpots, Wall Pockets, Jugs, Sundial Receptacles, Gazing-Globe Receptacles.
Claims use since Jan. 15, 1928.

Ser. No. 283,850. NORMAN S. McEWEN, Nashville, Tenn., assignor to Oakleaf Mills, Lagrange, Ga. Filed May 11, 1929.



For the purpose of this registration only, applicant disclaims the word "Honor" apart from the mark as shown.

For Towel-Service Bureau.
Claims use since Apr. 15, 1928.

Ser. No. 290,438. THE SUN TUBE CORPORATION, Hillside, N. J. Filed Sept. 30, 1929.

fun Tube

No claim being made to the exclusive use of the word "Tube" apart from the mark as shown in the drawing.
For Collapsible Tubes.
Claims use since Mar. 5, 1925.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 275,040. INDEPENDENT GROCERS' ALLIANCE DISTRIBUTING COMPANY, Chicago, Ill. Filed Nov. 9, 1928.



For Soap.
Claims use since Sept. 1, 1927.

Ser. No. 282,887. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Apr. 23, 1929.

UNOCO

For Dry-Cleaning Fluid.
Claims use since Mar. 19, 1929.

Ser. No. 285,958. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Filed June 22, 1929. Under 10-year proviso.

SOLVAY

For Preparations Used as Cleansing Agents, Particularly for Cleaning Metals and Glass, for Scouring Textile Materials, and for Laundry and Household Cleansing.
Claims use since Jan. 31, 1884.

Ser. No. 289,637. MATE, INC., Philadelphia, Pa. Filed Sept. 11, 1929.

VELVOKLEEN

For Compounds for Cleaning the Hands and the Like, Shaving Cream, Shaving Sticks, Shaving Powders (Soap), Outfit Packages Containing Soap and Towel; Soap Powders for Bathing, Washing, and Cleaning Purposes; Laundry Soaps, Soap Flakes, Hand Soaps, Toilet Soaps, Soap Pastes, Washing Tablets, and Shampoo Soaps.
Claims use since Sept. 3, 1929.

Ser. No. 290,403. GOLDEN EAGLE SOAP CO., San Francisco, Calif. Filed Sept. 30, 1929.

- JABON -
AGUILA DE ORO

The word "Jabon" is disclaimed apart from the mark shown in the drawing.
For Soaps.
Claims use since July 1, 1923.

Ser. No. 290,570. GOLDEN EAGLE SOAP COMPANY, San Francisco, Calif. Filed Oct. 3, 1929.

BORINQUEN

For Soap.
Claims use since April, 1929.

Ser. No. 290,835. HOYT'S BROTHERS, INC., Newark, N. J. Filed Oct. 9, 1929.



No claim is made to the words "Quality Products" apart from the mark shown.

For Stove and Nickel Polish, Silver Polish, Soaps, Shaving Sticks, Tar Soap, Dog Soap, Shaving Cream, Foot Soap, Powder Soap, Tile and Porcelain Cleaners.
Claims use since Feb. 18, 1924.

CLASS 5

Adhesives

Ser. No. 287,804. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed July 29, 1929.



For Adhesives Containing a Cellulose Ester as a Fundamental Constituent, Liquid Glues, Photopastes.
Claims use since Dec. 20, 1928.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 274,682. VARNOL CHEMICAL CORPORATION, Long Island City, N. Y. Filed Nov. 1, 1928.

PARANOL

For Synthetic Resins.
Claims use since Apr. 20, 1928.

Ser. No. 278,755. SOCIETE A RESPONSABILITE LIMITEE BRUYERE, Paris, France. Filed Feb. 1, 1929.



BRUYERE

For Face Powders, Rouge, Cosmetics and Lotions for the Hair, Toilet Waters, Cologne, Bath Salts, Brilliantines; Creams for the Face, Hands, and Body; and Dentifrices, Including Pastes, Powders, and Liquids.
Claims use since Oct. 3, 1928.

Ser. No. 281,159. PARFUMERIE ROGER ET GALLET, SOCIÉTÉ ANONYME, Paris, France. Filed Mar. 22, 1929.

Jean Marie Farina

The signature appearing in the drawing is the facsimile signature of Jean Marie Farina, deceased, manufacturer of eau de cologne and perfumery.

For Eau de Cologne, Perfume Extracts, Toilet Waters, and Perfumery.

Claims use since 1806.

Ser. No. 281,396. BARNES CHEMICAL CO. INC., New York, N. Y. Filed Mar. 27, 1929.



The drawing is lined for the color red. The term "Uricedin" is disclaimed apart from the other features of the mark appearing in the drawings.

For Medicinal Preparation for the Treatment of Uric Acid Diathesis.

Claims use since May, 1927.

Ser. No. 282,945. ELLA SCHNUCK, doing business as Maison Elene, New York, N. Y. Filed Apr. 24, 1929.

V APO - PINE

Clears the Head - Refreshes - Checks Colds

Maison Elene, 20 West 31st Street, N. Y. C.

All wording on the drawing except the word "Vapo" is disclaimed, except in the association shown in the drawing.

For Preparation of Aromatic Oils for Inhaling for the Purpose of Treating the Air Passages of the Head and Throat for the Relief of Colds, Catarrh, and Hay Fever.

Claims use since Jan. 1, 1923.

Ser. No. 282,991. THE IDALENE CORPORATION, Toledo, Ohio. Filed Apr. 25, 1929.

Idalene

For Roach Powders and Moth Crystals.
Claims use since Mar. 1, 1929.

Ser. No. 283,469. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Filed May 3, 1929.

SWORD

For Cold Cream, Perfume, Compacts, Face Powder, Rouge, Toilet Water, Talcum Powder, Rubbing Alcohol, Antiseptic Liquid, Analgesic Balm, Aromatic Cascara, Arnica Salve, Aspirin Tablets, Bay Rum; Beef, Iron, and Wine Tonic; Camphor Ice, Carbolic Salve, Castoria, Catarrh Jelly, Tooth Paste, Tooth Powder, Fluid Extract of Rhubarb, Tincture of Green Soap, Cod-Liver Oil, Corn Remedy, Mouth Wash, Eye Wash, Glycerine Suppositories for Therapeutic Purposes, Hat Bleach, Headache Powders, Hepatic Salts, Larkspur Lotion, Peroxide, Poison-Ivy Lotion, Roach Paste, Soda Mints, Seidlitz Powders, Throat Lozenges, White Pine Cough Syrup, Zinc Stearate.

Claims use since Nov. 10, 1927.

Ser. No. 283,690. LOUIS MARX, doing business as Johann Maria Farina zur Madonna, Cologne, Germany. Filed May 8, 1929.

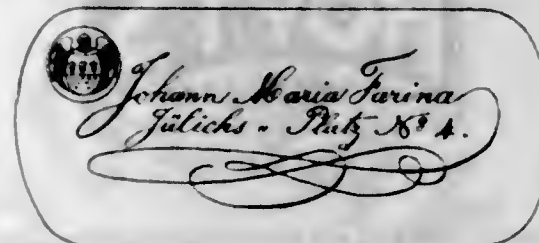


The name "Johann Maria Farina zur Madonna" is in the handwriting of the applicant, no claim being made to the exclusive use of any of the other wording appearing on the drawing apart from the mark as shown.

For Eau de Cologne.

Claims use since July 26, 1901.

Ser. No. 283,788. JOHANN MARIE FARINA, Cologne-on-the-Rhine, Germany. Filed May 10, 1929.



The trade-mark containing the autograph signature of Johann Maria Farina, Jülichs-Platz No. 4.

For Cologne Water.

Claims use since 1840.

Ser. No. 284,851. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed May 31, 1929.



For Insecticidal Spray Products—Namely, Oil Emulsions, Lime-Sulphur Solutions, Dry Lime Sulphur, Summer Fruit Sprays, Wettable Sulphur, Calcium Arsenate Manganese Arsenate, Bordeaux Mixtures, Casein Spreaders, i. e., Casein—Lime Preparations Used in Horticultural Sprays.

Claims use on oil emulsions since about Feb. 21, 1925; for lime-sulphur solutions since about November, 1908; for dry lime sulphur since about Feb. 6, 1924; for summer-fruit sprays since about May 1, 1925; for wettable sulphur since about May 1, 1928; for calcium arsenate since about September, 1919; for manganese arsenate since about Mar. 11, 1928; for Bordeaux mixtures since about March, 1920; and for casein spreaders since about Feb. 18, 1925.

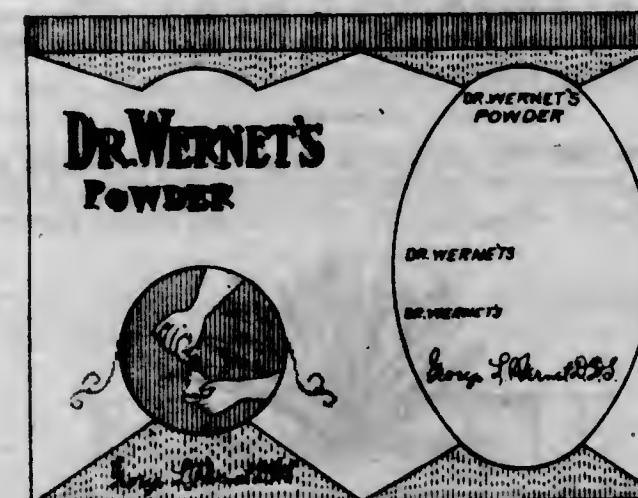
Ser. No. 285,388. JOHN A. SMITH COMPANY, Milwaukee, Wis. Filed June 10, 1929.

Gloria

For Preparation for the Treatment of Rheumatism, Lumbago, Stiff Joints, and Muscles.

Claims use since Apr. 1, 1889.

Ser. No. 285,399. WERNET DENTAL MFG. CO., INC., New York, N. Y. Filed June 10, 1929.



The exclusive right to the use of the word "Powder," the representation of the container, and the manner of

using the preparation appearing upon the drawing are herein disclaimed aside from the mark shown in the drawing, without, however, waiving any common-law rights thereto. The name "George L. Wernet" is a facsimile of the signature of the late George L. Wernet, of the Wernet Dental Mfg. Co., Inc. The mark under the common-law consists of the exact depiction upon the drawing, and under the statutes consists of the depiction upon the drawing of those parts not disclaimed. The lining in the drawing is for the color red.

For Dental Preparation in the Form of a Powder for Causing False Teeth to Adhere to the Human Gums.

Claims use since June 24, 1919.

Ser. No. 285,611. WILBUR & WILLIAMS COMPANY, Boston, Mass. Filed June 14, 1929.

LUXITE

For Synthetic Resin Molding Powder.
Claims use since Jan. 1, 1929.

Ser. No. 285,856. BRIDGET GLASS, Johnstown, Pa. Filed June 20, 1929.



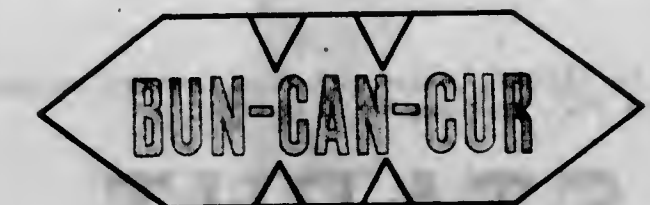
MRS. BRIDGET GLASS

The portrait shown in the accompanying drawing is that of the applicant.

For Ointment for Eczema and Sores.

Claims use since about 1918.

Ser. No. 286,153. BULLION AND HUXY, Mount Pleasant, Tenn. Filed June 26, 1929.



The color lining shown on the drawing is for shading purposes only.

For Medicinal Preparation Used in the Treatment of Cancer and Chronic Sores.

Claims use since May 15, 1929.

Ser. No. 286,871. JOHN EDWIN CUMMINGS, Philadelphia, Pa. Filed July 10, 1929.



The word "Yeast" is disclaimed apart from the mark shown on the drawing. The color lining on the drawing is for shading purposes only.

For Tablets for Medicinal Purposes, to be Taken Internally for Stomach and Intestinal Troubles.

Claims use since July 5, 1929.

Ser. No. 287,046. CHATTANOOGA DRUG & CHEMICAL COMPANY, Chattanooga, Tenn. Filed July 13, 1929.

MOLO

For Chili Tonic.

Claims use since Oct. 19, 1916.

Ser. No. 288,557. THE R. M. HOLLINGSHEAD CO., Camden, N. J. Filed Aug. 22, 1929.

GOLD BAND

The trade-mark consists of the term "Gold Band" and a gold colored band. The shading or background indicated in the drawing accompanying this application is intended to represent a gold colored band.

For Antifreeze Liquid for Automobile Radiators.

Claims use since June 10, 1929.

Ser. No. 288,860. MERCK & CO., INC., Rahway, N. J. Filed Aug. 22, 1929.

LANUM

For Purified Wool-Fat Prepared for Medical and Pharmaceutical Use.

Claims use since Oct. 15, 1899.

Ser. No. 288,863. MONTICELLO DRUG COMPANY, Jacksonville, Fla. Filed Aug. 22, 1929.

STAPUT

For Preparation to be Used as a Hair Tonic, Cleansing and Keeping the Hair in Place, for Stopping and Preventing Dandruff.

Claims use since Aug. 12, 1929.

Ser. No. 288,864. MONTICELLO DRUG COMPANY, Jacksonville, Fla. Filed Aug. 22, 1929.

TRICOLINE

For Preparation Used for a Scalp Cleaner and Removing Dandruff and a Tonic to the Scalp.

Claims use since Aug. 12, 1929.

Ser. No. 289,157. MERCK & CO., INC., Rahway, N. J. Filed Aug. 29, 1929.

GADUOL

For Concentrated Product of the Active Principles of Cod-Liver Oil.

Claims use since about March, 1893.

Ser. No. 289,181. CHERLAX CO., Elizabeth, N. J. Filed Aug. 30, 1929.

CHERLAX

For Laxative in the Form of a Carbonated Beverage.

Claims use since May, 1927.

Ser. No. 289,418. MARION M. POOLE, doing business as "Poole's Barber Shop," Richland Center, Wis. Filed Sept. 6, 1929.

Pool-Co-Ton

For Tonic for the Treatment of Alopecia, Falling Hair, and Dandruff.

Claims use since on or about June 20, 1929.

Ser. No. 289,585. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany. Filed Sept. 10, 1929.

Intrasol

For Chemical Product Used as a Softening Agent for Hard Water, Particularly as an Addition to the Rinsing Bath for Soaped Fabrics, Such as Cotton or Artificial Silk.

Claims use since about Jan. 15, 1929.

Ser. No. 289,622. FRIEDRICH GLÜCKS, doing business as Friedrich Glücks, Spezial-Kräuter-Tee-Handlung, Berlin, Germany. Filed Sept. 11, 1929. Under 10-year proviso.



For Drugs Derived from Plants for the Treatment of Constipation, Rheumatism, and Arteriosclerosis.

Claims use since 1885.

Ser. No. 290,084. PHILADELPHIA WHOLESALE DRUG COMPANY, Philadelphia, Pa. Filed Sept. 21, 1929.

OPTUS

For Bottles, Cans, Boxes and Packages of Liquid and Powdered Drugs and Chemicals for Medicinal and Household Purposes—Namely, Zinc Stearate Powder, Powdered Yellow Mustard, Whiting, Whole Flaxseed, Sunflower Seed, Senna Leaves, Sugar of Milk, Sodium Phosphate, Sodium Bicarbonate, Rochelle Salt, Precipitated Chalk, Talcum Purified Powder, Psyllium Seed, Powdered Orris Root, Powdered Brown Mustard, Muriate Ammonia, Compound Licorice Powder, Insect Powder, Powdered Henna, Flaxseed Meal, Fennel Seed, Flowers of Sulphur, Powdered Alum, Arrow Root, Epsom Salt, Citric Acid, Chalk and Orris, Cream of Tartar, Camomile Flowers, Cinchophen, Acidum Boricum, Barbitol, Powdered Borax.

Claims use since Jan. 17, 1922.

Ser. No. 290,159. SWAN-MYERS COMPANY, Indianapolis, Ind. Filed Sept. 23, 1929.

PARA-PSYLLIA

For Laxatives.

Claims use since Sept. 10, 1927.

Ser. No. 290,206. P. BEIERSDORF & CO. INC., New York, N. Y. Filed Sept. 25, 1929.

EUCERITE

For Waxlike Substance Containing as Active Ingredient a Mixture of Esters of Cholesterol, Useful as an Emulsifying Agent for Pharmaceutical and Cosmetic Products.

Claims use since Aug. 9, 1929.

Ser. No. 290,869. ATLAS PROCESS CO., INC., Philadelphia, Pa. Filed Oct. 10, 1929.

Cha-soot

Applicant disclaims the exclusive use of the word "Soot" apart from the mark shown in the drawing.

For Preparation for Removing Soot, Scale, and Carbon from Boilers, Stoves, Chimneys, and Flues.

Claims use since Sept. 4, 1929.

Ser. No. 290,870. ATLAS PROCESS CO., INC., Philadelphia, Pa. Filed Oct. 10, 1929.

ECONOLYTE

For Preparation for Treating Coal to Reduce the Amount of Smoke, Clinkers, and Ashes.

Claims use since Aug. 1, 1929.

Ser. No. 290,959. HELEN M. KLAIN, doing business as Samae Shampoo Co., Portland, Me. Filed Oct. 11, 1929.

SAMAE

For Shampoo Flakes.

Claims use since Jan. 10, 1929.

Ser. No. 290,986. ALBERT B. PLATER, doing business as Lovitone Company, Grosse Pointe Park, Mich. Filed Oct. 11, 1929.

Lovitone

For Skin Lotion and Face Cream.

Claims use since Feb. 14, 1929.

Ser. No. 291,045. BACON FORMULA COMPANY, Putnam, Conn. Filed Oct. 14, 1929.

COW HEALTH

No claim is made to the words "Cow Health" apart from the mark as shown on the drawing.

For Cow Medicine.

Claims use since Dec. 1, 1928.

Ser. No. 291,137. PARFUMERIE ROGER ET GALLET, SOCIÉTÉ ANONYME, Paris, France. Filed Oct. 16, 1929.



The shading in the drawing indicates the colors green and gold.

For Perfumery Products and Toilet Preparations, to wit: Perfume Extracts, Toilet Waters, Pastes and Powders for Beautifying and Preserving the Skin and Hair.

Claims use since Feb. 11, 1929.

Ser. No. 291,205. CRYSTAL PRODUCTS CO., INC., New York, N. Y. Filed Oct. 18, 1929.

KLOROZENE CAKE

No registration rights are claimed herein to the word "Cake" apart from the mark as shown.

For Deodorant and Insecticide, with Paradichlor Benzene as a Base, in Solid Cake Form.

Claims use since Oct. 15, 1929.

Ser. No. 291,206. CRYSTAL PRODUCTS CO., INC., New York, N. Y. Filed Oct. 18, 1929.

KLOROSCENT CHIPS

No registration rights are claimed herein to the word "Chips" apart from the mark as shown.

For Deodorant and Insecticide, with a Base of Paradichlor Benzene, in the Form of Solid Chips.

Claims use since Oct. 15, 1929.

Ser. No. 291,207. CRYSTAL PRODUCTS CO., INC., New York, N. Y. Filed Oct. 18, 1929.

GERMIFUME DISK

No registration rights are claimed herein to the word "Disk" apart from the mark as shown.

For Deodorant, Disinfectant, Insecticide, and Germicide in Solid Cake Form.

Claims use since Oct. 15, 1929.

Ser. No. 291,240. LOUIS J. RUDOLPH, doing business as Lewis Laboratories, St. Joseph, Mo. Filed Oct. 18, 1929.



For Preparation for Exterminating Rats.
Claims use since Sept. 1, 1929.

Ser. No. 291,343. LIONEL TRADING CO. INC., New York, N. Y. Filed Oct. 21, 1929.

L'HEURE ROMANTIQUE

For Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Sticks.

Claims use since about Oct. 17, 1929.

Ser. No. 291,352. H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Oct. 21, 1929.

LIVER EXTRACT FRACTION A5

No claim is made for the exclusive use of the words "Liver Extract" or "Fraction" apart from the designation "A 5."

For Active Blood Regenerative Principle of the Liver.

Claims use since Sept. 10, 1928.

Ser. No. 291,363. TRES GYOGYSZER-VEGYÉSZETI IPARI ÉS KERESKEDELMI R-T., Budapest, Hungary. Filed Oct. 21, 1929.

Gravomit

For Medicines and Pharmaceutical Preparations in Form of Pastilles, or Liquids to be Used for the Treatment of Hyperemesis of Pregnancy (Pregnancy Vomiting) Stomach Complaint of Pregnant Women, Postnarcotic Vomiting, Seasickness.

Claims use since Oct. 26, 1927.

Ser. No. 291,369. TRES GYOGYSZER-VEGYÉSZETI IPARI ÉS KERESKEDELMI R-T., Budapest, Hungary. Filed Oct. 21, 1929.

Kolopurin

For Medicines and Pharmaceutical Preparations in a Granulated Form to be Used for the Treatment of Acute and Chronic Constipation, Obesity, All Diseases of the Stomach and Intestines.

Claims use since Oct. 10, 1925.

Ser. No. 291,380. C. R. PRODUCTS INC., New York, N. Y. Filed Oct. 22, 1929.



For Shampoos.
Claims use since May, 1926.

Ser. No. 291,405. PHILADELPHIA MAGNESIA COMPANY, Philadelphia, Pa. Filed Oct. 22, 1929. Under 10-year proviso.

FETTERS

For Effervescent Solution of Magnesia.

Claims use since 1875.

Ser. No. 291,410. FREDK. RICHARDSON, doing business as Optimol Laboratory, New York, N. Y. Filed Oct. 22, 1929.

OPTIMOL

For Powder for Preparing Hair-Waving Lotions.

Claims use since Nov. 21, 1928.

Ser. No. 291,501. THE GAMEWELL COMPANY, Newton Upper Falls, Mass. Filed Oct. 25, 1929.



For Special Electrolyte for Batteries.

Claims use since 1897.

Ser. No. 291,584. HYMAN SEGER, Brooklyn, N. Y. Filed Oct. 25, 1929.



For Face Powders, Talcum Powders, Perfumes, Toilet Waters, Rouge, Lip Sticks, Sachet Powders, Facial Creams, and Skin and Hair Lotions.

Claims use since about December, 1919.

Ser. No. 291,585. THE H. J. SHERWOOD CO., Cleveland, Ohio. Filed Oct. 25, 1929.



For Vaginal Antiseptic Powder.

Claims use since Jan. 1, 1914.

389 O. G.—19

Ser. No. 291,599. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Oct. 25, 1929.

GYNALGOS

For an Analgesic and Stimulant Elixir for the Treatment of the Pains and Headaches Caused by Colds, Neuralgia, or Rheumatism and for the Relief of the Symptoms of Discomfort Incident to Dysmenorrheal Uterine Disturbances.

Claims use since Oct. 2, 1929.

Ser. No. 291,647. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Oct. 26, 1929.

HEP-SO-LAX

For Granular Effervescent Salt for Use as a Hepatic Stimulant, Laxative, and Diuretic.

Claims use since Mar. 25, 1908.

Ser. No. 291,659. THE NEWPORT COMPANY, Carrollville, Wis. Filed Oct. 28, 1929.

DIRANTHRENE

For Dyes and Dyestuffs.

Claims use since Oct. 1, 1929.

Ser. No. 291,711. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Oct. 28, 1929.

TABLACOLD

For Medical Preparation for the Treatment of Colds.

Claims use since Sept. 14, 1929.

Ser. No. 291,744. SAMUEL R. STRAUSS, doing business as "Strauss Laboratories," Huntington, N. Y. Filed Oct. 29, 1929.

ITHYPHEN

For Medicinal Preparations for Reducing Obesity.

Claims use since October, 1928.

Ser. No. 291,765. GUERLAIN PERFUMERY CORPORATION OF NEW YORK, New York, N. Y. Filed Oct. 30, 1929.



For Perfume.
Claims use since Sept. 28, 1929.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 290,740. LAWRENCE G. CHAPIN, Macomb, Ill.
Filed Oct. 7, 1929.**GRAND SLAM**For Combined Glass Holders and Ash Trays.
Claims use since Aug. 13, 1929.Ser. No. 291,553. DEMLEY, INC., New York, N. Y. Filed
Oct. 25, 1929.**TOPPER**For Frame with Cover for Cigarette Package.
Claims use since July 17, 1929.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 291,186. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 17, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,301. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 19, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,302. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 19, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,303. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 19, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,304. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 19, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,372. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 21, 1929.

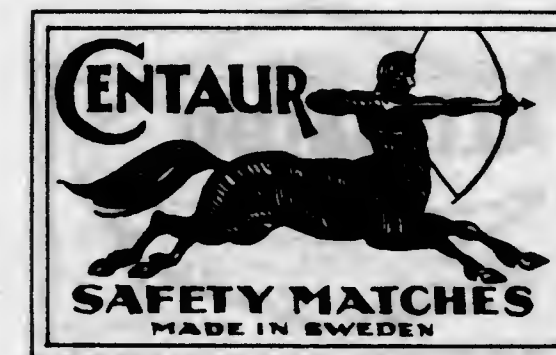
No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,535. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 24, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,536. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 24, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,538. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 24, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,539. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 24, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,644. VULCAN MATCH CO., INC., New York,
N. Y. Filed Oct. 26, 1929.

No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches Made in Sweden" apart from the mark as shown in the drawing.
For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 291,645. VULCAN MATCH CO., INC., New York, N. Y. Filed Oct. 26, 1929.



No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches, Made in Sweden" apart from the mark as shown in the drawing. For Matches.
Claims use since Sept. 4, 1929.

CLASS 12

Construction Materials

Ser. No. 260,702. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Jan. 26, 1928.

SABINITE

For Plaster.
Claims use since June, 1926.

Ser. No. 282,382. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Apr. 13, 1929.

SILICO

For Plaster.
Claims use since 1897.

Ser. No. 283,169. BLAIR & MORTENSON, doing business as Chromite Co., Chicago, Ill. Filed Apr. 29, 1929.

CHROMITE

For Metallic Wall Covering.
Claims use since Nov. 15, 1928.

Ser. No. 283,170. BLAIR & MORTENSON, doing business as Chromite Co., Chicago, Ill. Filed Apr. 29, 1929.



No claim is made to the exclusive use of the words "For Walls of Enduring Beauty" apart from the mark as shown.
For Metallic Wall Covering.
Claims use since Nov. 15, 1928.

Ser. No. 289,185. THE GRAPHITE OILS COMPANY, LIMITED, Grimsby, England. Filed Aug. 30, 1929.

GRENFIX

For Bituminous Emulsions for Use in Road Making, Paving, and Building.
Claims use since on or about Apr. 25, 1929.

Ser. No. 289,758. THE MURALO COMPANY, INC., New Brighton, N. Y. Filed Sept. 13, 1929.

MURALO

PATCHING PLASTER

The words "Patching Plaster" are disclaimed apart from the trade-mark "Muralo."
For Dry Powder to be Mixed with Water and Used for Repairing Damaged Plastered Surfaces Before Painting and Decorating.
Claims use since Aug. 1, 1925.

Ser. No. 289,985. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber.
Claims use since August, 1929.

Ser. No. 289,986. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber.
Claims use since August, 1929.

Ser. No. 289,987. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber.
Claims use since 1903.

Ser. No. 289,988. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber.
Claims use since January, 1921.

Ser. No. 289,989. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber.
Claims use since August, 1929.

Ser. No. 289,990. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber.
Claims use since August, 1929.

Ser. No. 289,991. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



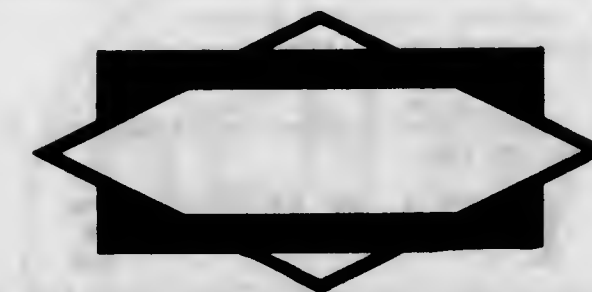
For Rough and Dressed Lumber.
Claims use since August, 1929.

Ser. No. 289,994. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber.
Claims use since August, 1929.

Ser. No. 290,082. PENNSYLVANIA-DIXIE CEMENT CORPORATION, Nazareth, Pa. Filed Sept. 21, 1929.



For Portland Cement.
Claims use since June 15, 1929.

Ser. No. 290,118. JOHN R. DALEY, doing business as The Pyramid Company, Rawlins, Wyo. Filed Sept. 23, 1929.



For Mud-Laden Material for Sealing Oil and Gas Wells.
Claims use since about Feb. 1, 1929.

Ser. No. 290,125. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Sept. 23, 1929.

MEXKO

For Fire Brick.
Claims use since Sept. 6, 1929.

Ser. No. 290,195. PENNSYLVANIA-DIXIE CEMENT CORPORATION, Nazareth, Pa. Filed Sept. 24, 1929.

PENN-DIXIE

For Portland Cement.
Claims use since Apr. 22, 1929.

Ser. No. 290,384. UNITED STATES PLYWOOD CO. INC., New York, N. Y. Filed Sept. 28, 1929.

Plycozite

For Plywood.
Claims use since about January, 1928.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 267,895. JAMES H. LAMONT & CO., LTD., Edinburgh, Scotland. Filed June 12, 1928.

SECUREX

For Metal Pipe Couplings and Tubular Hot-Water-Circulating Apparatus for Drying Towels.
Claims use since Dec. 21, 1923.

Ser. No. 288,451. PARA RUBBER COMPANY, Newark, N. J. Filed Aug. 12, 1929.

PARA-KAYTONE

Applicant disclaims the word "Para" apart from the combination and arrangement shown.
For Shower Curtains Made Up of Rubberized and Chemically-Treated Taffeta Fabric.
Claims use since Mar. 1, 1928.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 274,580. WILDER METAL COMPANY, Niles, Ohio. Filed Oct. 30, 1928.



No claim being made for the words "Defies Rust" and the word "Metal."
For Steel and Iron Sheets Coated with a Composition of Aluminum.
Claims use since Feb. 1, 1923.

Ser. No. 289,824. FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Sept. 16, 1929.

TROXEIT

For Rare Metals and Their Alloys and Specifically Copper, Tungsten, Silver Molybdenum, Copper-Tungsten, Silver-Tungsten, and Molybdenum-Copper-Silver Alloys.
Claims use since Aug. 13, 1929.

Ser. No. 289,825. FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Sept. 16, 1929.

FANSTEEL TROXEIT

For Rare Metals and Their Alloys and Specifically Copper, Tungsten, Silver Molybdenum, Copper-Tungsten, Silver-Tungsten, and Molybdenum-Copper-Silver Alloys.
Claims use since Aug. 13, 1929.

Ser. No. 290,107. REPUBLIC BRASS CORPORATION, New York, N. Y. Filed Sept. 21, 1929.

Paul Revere

The trade-mark comprises a facsimile of the signature of Paul Revere.

For Nonferrous Metals and Alloys Thereof in the Form of Sheets, Strips, Rods, Bars, Rolls, Wire, Shapes, Stampings, and Pressings Produced by Casting, Rolling, Drawing, Extruding, Forging, Swaging, Heading, Stamping, or Electrodeposition.
Claims use since Dec. 10, 1928.

Ser. No. 290,571. HALCOMB STEEL COMPANY, Geddes, Syracuse, N. Y. Filed Oct. 3, 1929.

HALDI

For Air-Hardening Die Steel.
Claims use since May 18, 1929.

Ser. No. 290,950. HICKMAN, WILLIAMS & CO., Cincinnati, Ohio. Filed Oct. 11, 1929.



For Pig Iron, Ferro Alloys, and Steel.
Claims use since July 1, 1927.

Ser. No. 291,666. INTERNATIONAL METALS SALES COMPANY, San Francisco, Calif. Filed Oct. 28, 1929.

SHAWMET

For Bearing Metal.
Claims use since Oct. 17, 1929.

CLASS 15

Oils and Greases

Ser. No. 270,636. INDUSTRIAL GREASE & DRUM, INC., St. Paul, Minn. Filed Aug. 6, 1928.



The word "Lubricants" and the representation of an oil drum are disclaimed apart from the mark as shown.
For Lubricating Greases and Lubricating Compounds and Lubricating Oils.
Claims use since June 27, 1928.

Ser. No. 289,265. COLORADO PETROLEUM PRODUCTS CO., Denver, Colo. Filed Sept. 3, 1929.



The word "Oils" is disclaimed apart from the mark as shown.
For Gasoline, Lubricating Oils, and Lubricating Greases.
Claims use since July 1, 1929.

Ser. No. 290,843. KOORI TRADING CO. INC., Los Angeles, Calif. Filed Oct. 9, 1929.



For Petroleum and Its Products—Namely, Gasoline, Kerosene, Lubricants, Fuel Oil.
Claims use since Sept. 1, 1929.

Ser. No. 290,844. KOORI TRADING CO. INC., Los Angeles, Calif. Filed Oct. 9, 1929.



For Petroleum and Its Products—Namely, Gasoline, Kerosene, Lubricants, Fuel Oil.
Claims use since Sept. 1, 1929.

Ser. No. 291,484. SUNSET PACIFIC OIL COMPANY, Los Angeles, Calif. Filed Oct. 23, 1929.

SUNOLENE

For Lubricating Oils, Lubricating Greases.
Claims use since Oct. 9, 1929.

Ser. No. 291,588. SINCLAIR REFINING COMPANY, New York, N. Y. Filed Oct. 25, 1929.

CATAROLLER

For Lubricating Oils and Greases.
Claims use since Aug. 31, 1929.

CLASS 16

Paints and Painters' Materials

Ser. No. 282,351. GEORGE A. HORNBECKER, doing business as The Washoff Chemical Company, Waterville, Conn. Filed Apr. 13, 1929.

WASHOFF

For Paint and Varnish Removers.
Claims use since about Oct. 20, 1922.

Ser. No. 283,880. McDougall-Butler Co., Inc., Buffalo, N. Y. Filed May 11, 1929.



No claim being made to the exclusive use of the words "Paints" and "Varnish" apart from the mark shown in the drawing.

For Dry, Ready-Mixed, and Paste Paints, Varnishes, Paint Enamels, and Industrial Finishes—Namely, Paints, Varnishes, Enamels, Stains, and Paint Colors, Adapted Particularly for Industrial Purposes.

Claims use since Sept. 15, 1927.

Ser. No. 288,737. ODELL WILSON, Auburn, Calif. Filed Aug. 19, 1929.

Amalga

For Paints in Ready-Mixed Form.
Claims use since Apr. 10, 1929.

Ser. No. 289,669. THE DENSOL SPECIALTY PAINT MANUFACTURING CO., Independence, Ohio. Filed Sept. 12, 1929.



The drawing is lined to indicate the colors blue and black on the background of the label and the color red within the oval. The descriptive phrase "The Shield Against Corrosion" is disclaimed apart from the mark shown on the drawing.

For Ready-Mixed Paint and Varnish Containing a Protecting Coating Composition.

Claims use since July 27, 1929.

Ser. No. 289,981. PARK CHEMICAL COMPANY, Detroit, Mich. Filed Sept. 19, 1929.

Parko

For Polishing and Cleaning Compounds for All Painted, Varnished, or Lacquered Surfaces.
Claims use since about Feb. 1, 1924.

Ser. No. 290,390. APEX PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 30, 1929.



For Floor Polish, Floor Wax, Paint Remover; Polish for Furniture, Automobiles, and All Painted, Varnished, or Lacquered Surfaces.

Claims use since Aug. 1, 1929.

Ser. No. 290,581. JAMES A. MCCAFFERTY & SONS MANUFACTURING COMPANY INC., Brooklyn, N. Y. Filed Oct. 3, 1929.

GOLD SEAL

For White Lead, Combination White Leads, White-Lead Substitutes, Zinc Whites, Zinc-Lead Compounds and Combinations, Colors in Oil, Ready-Mixed Paints, Paint Enamels, Varnishes, Liquid Driers, Stains, Flat Paints, Gloss Paints, and Lacquers.

Claims use since 1879.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 287,390. WESTERN AVIATION SUPPLY CO., San Francisco, Calif. Filed July 19, 1929.



For Aeroplanes and Aeroplane Structural Parts.
Claims use since Mar. 1, 1929.

Ser. No. 288,954. FLEETCRAFT AIRPLANE CORPORATION, Lincoln, Nebr. Filed Aug. 24, 1929.

Fleetcraft

For Aeroplanes and Structural Parts Therefor.
Claims use since Aug. 1, 1929.

Ser. No. 290,321. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Sept. 27, 1929.

PIERCE

For Automotive Vehicles—Namely, Automobiles, Trucks, and Buses and Taxicabs and Their Component Parts.
Claims use since December, 1928.

Ser. No. 290,593. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Oct. 3, 1929.

FLEET ARROW

For Automotive Vehicles—Namely, Automobiles, Trucks, and Buses and Taxicabs and Their Component Parts.
Claims use since February, 1928.

Ser. No. 290,594. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Oct. 3, 1929.

FLEET ARROW

For Automotive Vehicles—Namely, Automobiles, Trucks, and Buses and Taxicabs and Their Component Parts.
Claims use since February, 1928.

Ser. No. 290,677. WARWICK WRIGHT, LIMITED, London, England. Filed Oct. 4, 1929.

PELMET

For Doors and Door Frames of Motor Cars, Made of Wood or Metal.
Claims use since July 28, 1929.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 271,817. NEWCOMB-HAWLEY, INC., St. Charles, Ill., assignor to United Reproducers Corporation, St. Charles, Ill., a Corporation of New Jersey. Filed Aug. 31, 1928.



For Horns, Cones, Air-Column Speakers, Drum-Type Speakers, Diaphragms, Plunger-Type Speakers, Electro-

magnetic-Type of Horns, Cone-Type Speakers, Diaphragm-Type Speakers, Electrodynamically-Type of Cone, Diaphragm-Type Speakers, and Electrostatic and Condenser Type Speakers, All Adapted to Produce and Reproduce Sound and for Use with Radio Apparatus and Electrical Pick-Up Devices for Talking Machines and Phonographs.

Claims use since Aug. 4, 1927, for all goods above mentioned except electrodynamically type of cone, diaphragm, and plunger-type speakers and electrostatic and condenser-type speakers; since May 11, 1928, for electrodynamically type of cone, diaphragm-type speakers, and plunger-type speakers; and since Mar. 20, 1929, for electrostatic and condenser type of speakers.

Ser. No. 272,546. E. T. CUNNINGHAM, Inc., New York, N. Y. Filed Sept. 17, 1928.

Cunningham

The mark consists of a modified form of the signature of E. T. Cunningham, the president of the corporation. Applicant is owner of prior registration No. 174,432, covering similar mark described as the signature of the registrant.

For Thermionic Detector, Amplifier, Oscillator, Rectifier, Ballast, and Gaseous Glow Discharge Tubes.

Claims use since July, 1928.

Ser. No. 274,564. LOUIS LUMIERE, Neuilly-sur-Seine, France. Filed Oct. 30, 1928.

ISOPHONE

For Acoustical Amplifying Horns and Loud-Speakers Used with Radio Apparatus.
Claims use since May 11, 1928.

Ser. No. 289,998. VAN HORNE TUBE COMPANY, Franklin, Ohio. Filed Sept. 19, 1929.



For Direct-Current and Alternating-Current Radiotubes Consisting of Detector Tubes, Amplifying Tubes, and Power Tubes; Rectifying Tubes, and Television Tubes.
Claims use since on or about May 1, 1929.

Ser. No. 290,302. CENTURY STOVE & MANUFACTURING CO.,
Johnstown, Pa. Filed Sept. 27, 1929.

Sun-Stream

For Electric Portable Reflecting Heaters.
Claims use since Sept. 2, 1929.

Ser. No. 290,790. NORTH BRO'S MFG CO., Philadelphia,
Pa. Filed Oct. 8, 1929.

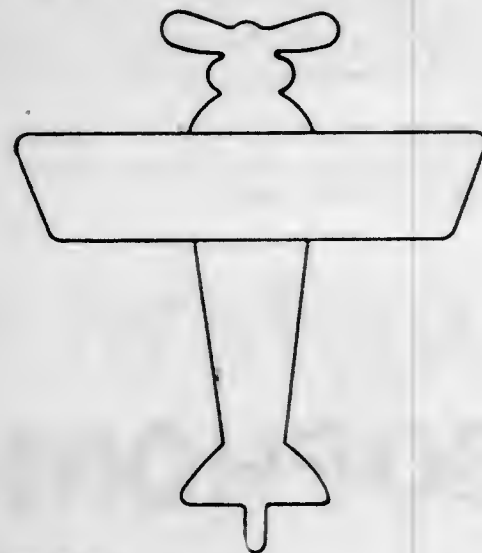
"YANKEE"

For Portable Electric Saws.
Claims use since Dec. 17, 1928.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 273,647. DESROSIERS PATENTS COMPANY, INC.,
Providence, R. I. Filed Oct. 11, 1928.



For Golf Balls.
Claims use since Oct. 9, 1928.

Ser. No. 281,320. SHAFER-KAUFFMAN AIR TOY CO., Michi-
gan City, Ind. Filed Mar. 25, 1929.

BLOW BOY

For Mechanical Toy.
Claims use since Nov. 1, 1928.

Ser. No. 291,507. J. H. GRADY MANUFACTURING COMPANY,
St. Louis, Mo. Filed Oct. 24, 1929.

Duro

For Indoor and Outdoor Playballs.
Claims use since Sept. 6, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 273,963. GILLETTE SAFETY RAZOR COMPANY, Bos-
ton, Mass. Filed Oct. 18, 1928.

KROMAN

For Razor Blades.
Claims use since Oct. 11, 1928.

Ser. No. 286,975. WILLIAM J. CAMERON, doing business as
Cameron Electromaton Co., Chicago, Ill. Filed July
12, 1929.

Electromaton

For Safety Razor and Parts Thereof.
Claims use since about May 20, 1929.

Ser. No. 288,658. JEAN LOUIS LEON ALEXANDRE ALBERT
MOULET, Boulogne-sur-Seine, France. Filed Aug. 17,
1929.

AUTOFLUX

For Feed Pumps for Explosion Engines and Internal-
Combustion Engines.
Claims use since May 20, 1929.

Ser. No. 288,659. JEAN LOUIS LEON ALEXANDRE ALBERT
MOULET, Boulogne-sur-Seine, France. Filed Aug. 17,
1929.



For Feed Pumps for Explosion Engines and Internal-
Combustion Engines.
Claims use since Nov. 13, 1928.

Ser. No. 291,557. EMMONS LOOM HARNESS COMPANY,
Lawrence, Mass. Filed Oct. 25, 1929.

TRI-COLOR

For Loom Harnesses.
Claims use since Sept. 28, 1929.

Ser. No. 291,574. FRANK M. O'BRIEN, Greensboro, N. C.
Filed Oct. 25, 1929.

GOLD SEAL

For Razor Blades.
Claims use since Aug. 23, 1929.

Ser. No. 291,677. LOWELL SPRAYER COMPANY, Lowell,
Mich. Filed Oct. 28, 1929.

NU DAY

For Sprayers.
Claims use since Sept. 1, 1927.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 286,612. MACK SENNETT, INC., Studio City, North
Hollywood, Calif. Filed July 3, 1929.



For Motion-Picture Photoplays.
Claims use since Oct. 2, 1928.

Ser. No. 291,762. WALTER E. DISNEY, Hollywood, Calif.
Filed Oct. 30, 1929.

SILLY SYMPHONY

For Motion Pictures Reproduced in Copies for Sale.
Claims use since on or about Feb. 1, 1929.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 285,744. LEONARD KROWER & SON, INCORPORATED,
New Orleans, La. Filed June 18, 1929.



For Jewelry Consisting of Pearl Necklaces and Costume
Jewelry Consisting of Any Article of Jewelry for Personal
Wear Made of Any Kind of Stone Copied from an Old-
Fashioned Style.
Claims use since June 1, 1929.

Ser. No. 291,228. INTERNATIONAL SILVER COMPANY, Meri-
den and Bridgeport, Conn. Filed Oct. 18, 1929.

ARISTOCRAT SILVER PLATE

No registration rights are claimed for the words "Silver
Plate" apart from the mark shown in the drawing.
For Silver-Plated Flat Tableware.
Claims use since Oct. 11, 1929.

Ser. No. 291,224. INTERNATIONAL SILVER COMPANY, Meri-
den and Bridgeport, Conn. Filed Oct. 18, 1929.

CAPITOL SILVER PLATE

No registration rights are claimed for the words "Silver
Plate" apart from the mark shown in the drawing.
For Silver-Plated Flat Tableware.
Claims use since Dec. 1, 1928.

Ser. No. 291,379. MACK M. BURNSTINE, St. Louis, Mo.
Filed Oct. 22, 1929.

TELO'LOVE

For Finger Rings, Watch Chains, Neck Chains, Orna-
mental Pins, Locketts, Bracelets, Stick Pins, Lavalieres,
Cuff Links, Brooches, Necklaces, and Pearl Strands.
Claims use since July 10, 1929.

CLASS 31

Filters and Refrigerators

Ser. No. 279,536. THE FIREBRAND KITCHEN EQUIPMENT COMPANY, New York, N. Y. Filed Feb. 13, 1929.

SNOWBRAND

No claim is made to the word "Brand" apart from the mark as shown.

For Refrigerators.

Claims use since Jan. 4, 1929.

CLASS 33

Glassware

Ser. No. 283,281. JENAER GLASWERK SCHOTT & GEN., Jena, Germany. Filed Apr. 30, 1929.

Majole

For Phials and Ampullae of Glass.
Claims use since July 10, 1927.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not Including Electrical Apparatus

Ser. No. 284,046. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed May 15, 1929.

CARBOFRAX

For Furnaces and Parts Thereof, Muffles and Parts Thereof, Retorts and Parts Thereof, Oil and Gas Burners and Parts Thereof, Lehrs and Parts Thereof, Hearths and Parts Thereof, Kilns and Parts Thereof, Ovens and Parts Thereof, Recuperators and Parts Thereof, Regenerators and Parts Thereof, Air and Gas Heaters and Parts Thereof, Combustion Chambers and Parts Thereof, Furnace Arches, Furnace Roofs, Furnace Lids, Furnace-Roof Section Shapes, Blocks Adapted to Provide or Form Furnace-Lid Section Shapes, Section Shapes for Combustion Chambers, Combustion Ports, Furnace Tuyères, Recuperator Tubes, Recuperator Blocks, Regenerator Blocks, Refractory Cylinders, Refractory Cylinder Sections, Saggers, Kiln-Car Tops, Industrial Crucibles, Refractory Pots, Rabbits of Refractory Material, Refractory Tubes for Use in Furnaces, Pyrometer Protection Tubes, Furnace Linings, Furnace-Lining Blocks, Kiln-Lining Blocks, Cupola Blocks, Gas-Generator Blocks, Air-Cooled Furnace-Lining Blocks, Suspended Furnace Arch Blocks, Hearth-Support Blocks, Combustion Tubes, Burner Blocks, Baffle Blocks, Furnace-Wall Veneer Blocks—i. e., Facing Blocks Keyed, Interfitted or Otherwise Secured on a Supporting Wall to be Protected; Furnace-Arch Veneer Blocks—i. e., Facing Blocks Keyed, Interfitted, or Otherwise Carried on a Furnace-Arch Structure to be Protected; Muffle Section Shapes, Retort Section Shapes, and Means for Surrounding or Supporting Ware in a Kiln and Generally Known as Kiln Furniture.

Claims use since January, 1914.

Ser. No. 290,681. BETTINGER ENAMEL CORPORATION, Waltham, Mass. Filed Oct. 5, 1929.

VITRI-FLUE

No claim being made to the word "Flue" apart from the mark shown on the drawing.

For Stovepipe and Flue Pipe.

Claims use since Mar. 26, 1929.

Ser. No. 290,713. MARSHALL FURNACE COMPANY, Marshall, Mich. Filed Oct. 5, 1929.

MARSHALL
WOLVERINE

For Hot-Air Furnaces.

Claims use since May 1, 1929.

CLASS 36

Musical Instruments and Supplies.

Ser. No. 287,401. COMPAGNIE DU PHONOGRAPHE "COLIBRI" S. A., Brussels, Belgium. Filed July 20, 1929.



For Phonographs, Talking Machines, and Parts Thereof.
Claims use since Sept. 1, 1924.

Ser. No. 289,784. CONCERT-TROPE MANUFACTURING CORP., Indianapolis, Ind. Filed Sept. 14, 1929.

CONCERT-TROPE

No claim is made to the word "Concert" apart from the mark shown in the drawing.

For Phonographs and More Particularly for Automatic Multiple-Record Phonographs of the Electrical-Amplified Type.

Claims use since July 20, 1929.

Ser. No. 289,851. FRANK P. STOCKTON, doing business as Southern Automatic Company, Atlanta, Ga. Filed Sept. 16, 1929.

MUSICPHONE

For Phonograph-Record-Changing Devices and Phonograph Instruments.

Claims use since May 15, 1929.

Ser. No. 290,404. M. HÖNNER, INC., New York, N. Y. Filed Oct. 1, 1929.

SONNY BOY

For Mouth Harmonicas.

Claims use since Sept. 15, 1929.

CLASS 37

Paper and Stationery

Ser. No. 255,909. FREEDMAN CUT-OUTS, INC., New York, N. Y. Filed Oct. 11, 1927.

STAND EZY

For Esels Constructed of Cardboard or Other Fibrous Material.

Claims use since Feb. 1, 1923.

Ser. No. 290,553. BURNIE J. CRAIG, Los Angeles, Calif. Filed Oct. 3, 1929.



No claim is made to the words "Trade Mark" and "Sportcard" apart from the mark shown on the drawing.
For Score Cards, Score Sheets, and Score Books.
Claims use since Sept. 23, 1929.

Ser. No. 290,567. FORT DEARBORN LITHOGRAPH CO., Chicago, Ill. Filed Oct. 3, 1929.

BLUE RIBBON
BOND

The word "Bond" is disclaimed apart from the mark shown on the drawing.

For Bond Papers.

Claims use since Apr. 1, 1929.

CLASS 38

Prints and Publications

Ser. No. 255,666. CHARLES EDGAR NASH, Beach Haven, N. J. Filed Oct. 5, 1927.

THE SEA BREEZE

For Newspaper.

Claims use since about May 27, 1927.

Ser. No. 282,802. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Apr. 22, 1929.

GYPSUMIST

For Monthly Periodical.

Claims use since November, 1920.

Ser. No. 283,646. EDWARD N. HAYES, Detroit, Mich. Filed May 8, 1929.

THE
CHAIN STORE
MAGAZINE

For Monthly Business Magazine.

Claims use since March, 1929.

Ser. No. 283,859. THE BRADSTREET COMPANY, New York, N. Y. Filed May 11, 1929. Under 10-year proviso.

BRADSTREET'S

For Newspaper and Rating Books.

Claims use since Oct. 4, 1879, on said newspaper and since Jan. 1, 1858, on said rating books.

Ser. No. 287,152. NATIONAL TRADE JOURNALS, INC., New York, N. Y. Filed July 15, 1929.



For Section of a Monthly Publication.
Claims use since June, 1927.

Ser. No. 288,316. THE CHINESE MISSION SOCIETY, St. Columbans, Nebr. Filed Aug. 9, 1929.

THE FAR EAST

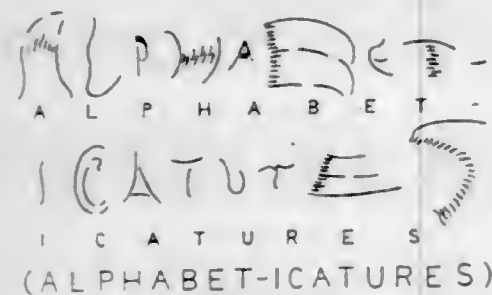
For Monthly Periodical or Magazine Published and Distributed by Chinese Mission Society.
Claims use since January, 1918.

Ser. No. 289,620. FRANCIS EMORY FITCH, INC., New York, N. Y. Filed Sept. 11, 1929.



For Job-Printing Products—Namely, Circulars, Pamphlets, Stock-Exchange Lists, and Quotation Sheets. Claims use since about Jan. 3, 1910.

Ser. No. 290,245. WHEELER DRYDEN, New York, N. Y. Filed Sept. 26, 1929.



For Drawings. Claims use since March, 1929.

CLASS 39

Clothing

Ser. No. 270,423. HICKEY-FREEMAN CO., Rochester, N. Y. Filed Aug. 1, 1928.

Cablespun

For Men's Suits Consisting of Coat, Vest, and Trousers and Men's Topcoats and Overcoats. Claims use since July 20, 1928.

Ser. No. 278,756. SOCIÉTÉ A RESPONSABILITÉ LIMITÉE BRUYÈRE, Paris, France. Filed Feb. 1, 1929.



BRUYÈRE

For Ready-Made or Made-Up Articles of Clothing—Namely, Gowns, Cloaks, Jackets, or/and Tunics, Blouses, Sweaters, and Tailored Suits and Coats for Women; Raincoats, Vests, Collars, Cuffs, Trousers, Brassières, Negligés, Nightgowns, Pajamas, Cuffs and Vesteers, Scarfs, Dressing Robes, Lounging Robes; and Underwear of Knitted and/or Textile Fabric for Men, Women, and Children. Claims use since Jan. 15, 1928.

Ser. No. 280,028. KINGSTON MFG. CO., San Antonio, Tex. Filed Feb. 27, 1929.

V & S

For Men's, Women's, and Children's Clothing—Namely, Dress, Negligee, and Work Shirts, Pants, Knickers, Coats, and Jackets. Claims use since 1920.

Ser. No. 283,484. BESSIE M. BARNETT, doing business as Modernistique Garment Co., Los Angeles, Calif. Filed May 4, 1929.

AFTERALLS

For Underwear, Particularly Shorts or Trunks and Ensembles Embodying Two-Piece Garments Consisting of Trunks and Coats. Claims use since Apr. 24, 1929.

Ser. No. 288,910. FRANCO CORSET COMPANY, New York, N. Y. Filed Aug. 23, 1929.

Contour-lastik

For Corsets. Claims use since Aug. 12, 1929.

Ser. No. 289,788. GIBBS & COMPANY, Chicago, Ill. Filed Sept. 14, 1929.

aeronet

For Netted Caps. Claims use since Aug. 1, 1929.

Ser. No. 290,803. H. CHILDS & Co. INC., Pittsburgh, Pa. Filed Sept. 27, 1929.

TINY MITES

For Ladies', Misses', and Children's Shoes Made of Leather, Rubber, or Fabric, or of Combinations of Those Materials.

Claims use since July, 1928.

Ser. No. 290,850. FORSYTHE SHOE CORPORATION, New York, N. Y. Filed Sept. 28, 1929.



The word "Forsythe" is disclaimed apart from the mark shown in the drawing.

For Ladies' Shoes of Leather, Fabric, and a Combination of Leather and Fabric.

Claims use since July 15, 1929.

Ser. No. 290,614. SEARS, ROEBUCK AND Co., Chicago, Ill. Filed Oct. 3, 1929.

INDESTRUCTO

For Men's and Boys' Work Shirts and Lumberjackets. Claims use since Aug. 10, 1929.

Ser. No. 290,650. CLARENDON SHOE Co., INC., Brooklyn, N. Y. Filed Oct. 4, 1929.

CLARCO

For Shoes, Boots, Slippers, and Pumps Made of Leather and Leather and Fabrics. Claims use since Mar. 15, 1929.

Ser. No. 290,690. DOBBS SHOE COMPANY, Memphis, Tenn. Filed Oct. 5, 1929.

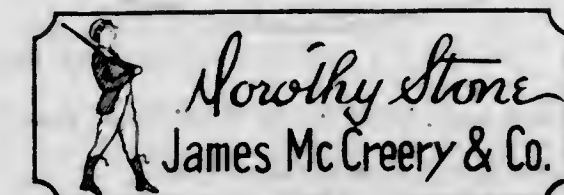


No claim is made to the word "Shoes" apart from the mark as shown.

For Shoes Made of Leather.

Claims use since Sept. 1, 1929.

Ser. No. 290,759. JAMES MCCREERY & COMPANY, New York, N. Y. Filed Oct. 7, 1929.



The lining which appears on the drawing is for the purpose of portraying shading.

For Coats, Suits, Frocks, and Hats and Linings for Hats for Women and Misses; Gloves of Leather, Silk, Cotton, Wool, Rayon, or Combinations Thereof; Shoes of Leather.

Claims use since on or about January, 1927.

Ser. No. 290,880. BEDFORD JOHNSON CO., INC., New York, N. Y. Filed Oct. 10, 1929.



For Work and Dress Trousers. Claims use since July 1, 1929.

Ser. No. 290,894. GREENEBAUM BROS. & COMPANY, Philadelphia, Pa. Filed Oct. 10, 1929.

Collegiate
"Snug Belt"

The words "Snug-Belt" are disclaimed apart from the mark shown on the drawing.

For Boys' Pajamas.

Claims use since Sept. 19, 1929.

Ser. No. 290,911. MAURICE L. ROTHSCHILD, INCORPORATED, Chicago, Ill. Filed Oct. 10, 1929.

Rothlad

For Boys' Coats, Suits, and Overcoats.
Claims use since Aug. 10, 1929.

Ser. No. 290,985. PHILIP WEINSTEIN, doing business as Martin Weinstein Shoe Co., Brooklyn, N. Y. Filed Oct. 11, 1929.



No claim is made to the words "Fine Shoes" apart from the mark shown on the drawing.
For Women's and Misses' Leather Shoes.
Claims use since Sept. 9, 1929.

Ser. No. 291,072. WALDESIAN HOSIERY MILLS, Valdese, N. C. Filed Oct. 14, 1929.

Alba

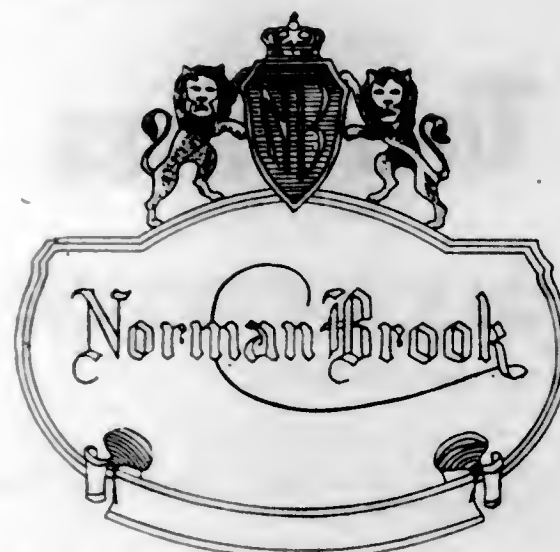
For Men's, Women's, and Children's Hosiery.
Claims use since June 15, 1929.

Ser. No. 291,082. ELLAS-KATZ SHOE FACTORIES, INC., Los Angeles, Calif. Filed Oct. 15, 1929.

WAMPAS

For Boots, Shoes, and Slippers of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Feb. 1, 1929.

Ser. No. 291,165. FRANK KATZ HAT CO. INC., New York, N. Y. Filed Oct. 17, 1929.



For Men's Hats.
Claims use since Oct. 1, 1929.

Ser. No. 291,193. HANOVER RUBBER COMPANY, West Hanover, Mass. Filed Oct. 17, 1929.

Varsity

For Rubber Heels, Soles, and Half Soles.
Claims use since Aug. 13, 1929.

Ser. No. 291,197. C. R. ANTHONY COMPANY, Oklahoma City, Okla. Filed Oct. 18, 1929.

BUCKHIDE

For Work Pants, Work Shirts, Work Coats; Overalls for Men and Boys; Play Suits for Children.
Claims use since Sept. 1, 1929.

Ser. No. 291,241. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 18, 1929.

SIEROE FELTS

The word "Felts" is disclaimed apart from the mark shown on the drawing.
For Men's Felt Hats.
Claims use since Sept. 6, 1929.

Ser. No. 291,276. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Oct. 19, 1929.

VIKING

For Bathing Shoes.
Claims use since July 20, 1929.

Ser. No. 291,305. WEBSTER RUBBER COMPANY, Sabattus, Me. Filed Oct. 19, 1929.

Weron

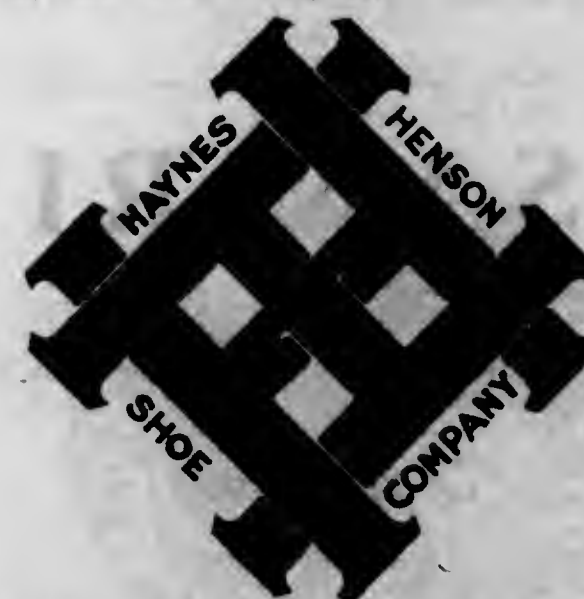
For Rubber Heels and Soles for Shoes.
Claims use since Sept. 20, 1929.

Ser. No. 291,335. HAYWOOD BOOT & SHOE CO., Worcester, Mass. Filed Oct. 21, 1929.

Braeburn

For Leather Boots and Shoes.
Claims use since July 1, 1926.

Ser. No. 291,451. HAYNES-HENSON SHOE COMPANY, Knoxville, Tenn. Filed Oct. 23, 1929.



For Leather Boots and Shoes and Shoes Manufactured From Leather and Fabrics.
Claims use since April, 1907.

Ser. No. 291,543. G. W. ALEXANDER & CO., INC., Reading, Pa. Filed Oct. 25, 1929.



No claim being made for the word "Hat" apart from the mark shown on the drawing.
For Men's and Women's Fur-Felt Hats Commonly Called Felt Hats.
Claims use since June 1, 1929.

389 O. G.—20

Ser. No. 291,686. MABEL NAAR, doing business as Virginal Brassiere, New York, N. Y. Filed Oct. 28, 1929.

Virginal

For Brassières.
Claims use since Sept. 1, 1928.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 288,052. ATLAS TACK CORPORATION, Fairhaven, Mass. Filed Aug. 3, 1929.

ATCOLITE

For Buttons of Nonprecious Metals.
Claims use since Aug. 15, 1927.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 233,805. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed June 28, 1926.

CUPID

For Diaper Cloth, Long Cloths, Lingerie Cloth, and Cotton Fabrics in the Piece.
Claims use since 1921.

Ser. No. 272,361. SOCIÉTÉ ANONYME POUR LA DÉCORATION INTÉRIEURE MODERNE, Paris, France. Filed Sept. 13, 1928.



For Carpets and Tapestries Made of Silk, Wool, Cotton, and Velvet and Nets and Laces in the Piece.
Claims use since June 1, 1914.

Ser. No. 276,908. S. STEIN & Co., New York, N. Y. Filed Dec. 18, 1928.



The word "Worsted" is disclaimed apart from the mark shown. The drawing is lined to indicate shading. For Woolen Goods in the Piece and in Cut Lengths. Claims use since December, 1918.

Ser. No. 281,020. MORRIS SIMIANSKY, doing business as M. Simiansky & Co., New York, N. Y. Filed Mar. 19, 1929.

CELTIC

For Canvas Cloth in the Piece Used for Padding Clothing. Claims use since Sept. 18, 1911.

Ser. No. 282,510. ALBERT GODDE, BEDIN, INC., New York, N. Y. Filed Apr. 17, 1929.

PRIMEROSE

For Silk Piece Goods. Claims use since July 6, 1922.

Ser. No. 289,061. EDWIN E. BERLINER & CO., New York, N. Y. Filed Aug. 27, 1929.

Baintyfast Batiste

No claim is made to the word "Batiste" apart from the trade-mark as shown. For Cotton Piece Goods. Claims use since September, 1928.

Ser. No. 289,298. SOCIETE A RESPONSABILITE LIMITEE "RODIER," Paris, France. Filed Sept. 3, 1929. Under 10-year proviso.

Tissus RODIER

For Piece Goods of Wool, Cotton, and Silk and Mixtures of the Same. Claims use since 1855.

Ser. No. 289,461. ALBERT M. JOHNSON, Burlington, N. C. Filed Sept. 7, 1929.

Johnsonette

For Rayon Knitted, Netted, and Textile Fabrics. Claims use since June 1, 1929.

Ser. No. 289,462. ALBERT M. JOHNSON, Burlington, N. C. Filed Sept. 7, 1929.

Johnsonet

For Rayon Knitted, Netted, and Textile Fabrics. Claims use since June 1, 1929.

Ser. No. 289,960. BELDING HEMINWAY COMPANY, New York, N. Y. Filed Sept. 19, 1929.

SAFARI

For Silk Piece Goods. Claims use since Sept. 12, 1929.

Ser. No. 290,592. PANAMA MFG. CO. INC., New York, N. Y. Filed Oct. 3, 1929.

Panajama

For Cotton and Woolen Piece Goods. Claims use since Sept. 3, 1929.

Ser. No. 291,200. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Oct. 18, 1929.

Annovel

For Pile Fabrics in the Piece. Claims use since Oct. 14, 1929.

Ser. No. 291,801. SOCIETE ANONYME E. MEYER & COMPAGNIE, Paris, France. Filed Oct. 30, 1929.

MADIANA

For Wool Fabrics. Claims use since Jan. 11, 1927.

Ser. No. 291,813. F. A. BOCHMANN & CO., INC., Philadelphia, Pa. Filed Oct. 31, 1929.

GRANDAME

For Worsteds and Woolen Dress Goods, Manufactured in the Piece. Claims use since Oct. 4, 1929.

Ser. No. 291,814. F. A. BOCHMANN & CO., INC., Philadelphia, Pa. Filed Oct. 31, 1929.

CREPONGE

For Worsteds and Woolen Dress Goods, Manufactured in the Piece. Claims use since Oct. 4, 1929.

Ser. No. 291,905. CHENEY BROTHERS, South Manchester, Conn. Filed Nov. 2, 1929.

Tunshan

For Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk. Claims use since Oct. 26, 1929.

CLASS 43

Thread and Yarn

Ser. No. 286,177. A. M. JOHNSON RAYON MILLS INCORPORATED, Dover, Del. Filed June 26, 1929.



The representation of the cone of thread and the words "Beauty" and "Strength" are disclaimed apart from the mark shown on the drawing. For Threads and Yarns. Claims use since Apr. 1, 1929.

Ser. No. 287,000. NEW BEDFORD RAYON COMPANY, New Bedford, Mass. Filed July 12, 1929.



The word "Yarns" is disclaimed apart from the mark as shown. For Rayon Yarns. Claims use since June 10, 1929.

Ser. No. 289,935. THE LINEN THREAD COMPANY, New York, N. Y. Filed Sept. 18, 1929.

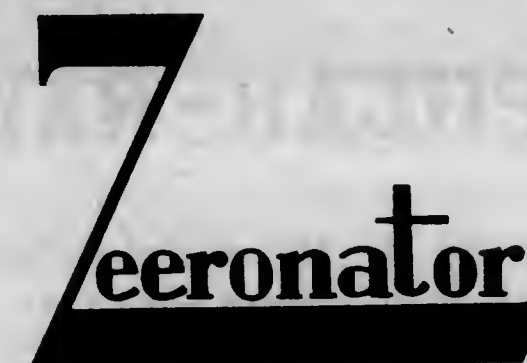
LITHCO

For Machine Linen Thread. Claims use since Jan. 1, 1929.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 280,532. ZEERONATOR LIMITED, New York, N. Y. Filed Mar. 9, 1929.



For Metallic Liquid-Containing Bottles Used for Therapeutic Purposes. Claims use since November, 1927.

Ser. No. 282,254. SAKS STAMPING COMPANY, New York, N. Y. Filed Apr. 11, 1929.

REX

For Bedpans. Claims use since 1923.

Ser. No. 282,765. CARL ZEISS, Jena, Germany. Filed Apr. 20, 1929.

Pantophos

For Light Projectors for Operation Tables. Claims use since 1927.

Ser. No. 289,557. VAP-O-ZONE CO., LTD., San Francisco, Calif. Filed Sept. 9, 1929.

EK-O-NOMIK

The lining appearing in the drawing is for the purpose of representing the color brown. For Vaporizing Devices for Dispensing Medicinal Preparations. Claims use since April, 1929.

Ser. No. 290,411. THE ILER ELECTRICAL MANUFACTURING Co., Warren, Ohio. Filed Sept. 30, 1929.

SUPER-POLAR-RAY

For Magnetic Belts Which are Used for Therapeutic Purposes.
Claims use since in or about March, 1928.

Ser. No. 290,412. THE ILER ELECTRICAL MANUFACTURING Co., Warren, Ohio. Filed Sept. 30, 1929.

POLAR-RAY

For Magnetic Belts Which are Used for Therapeutic Purposes.
Claims use since in or about November, 1927.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 286,410. ARROWHEAD SPRINGS BEVERAGE Co., Los Angeles, Calif. Filed July 1, 1929.



The drawing is lined to indicate the color orange. The descriptive words "Certified Pure" are disclaimed apart from the mark as shown.

For Carbonated, Maltless, Nonalcoholic Beverage Sold as a Soft Drink.
Claims use since Apr. 20, 1929.

CLASS 46

Foods and Ingredients of Foods

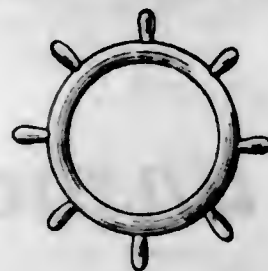
Ser. No. 269,694. THE SHOTWELL MFG. CO., Chicago, Ill. Filed July 16, 1928.

PURITAN

For Marshmallows.
Claims use since Feb. 1, 1928.

Ser. No. 271,921. COMPANIA DE PRODUCTOS MARINOS, SOCIEDAD ANONIMA, Ensenada, Lower California, Mexico. Filed Sept. 5, 1928.

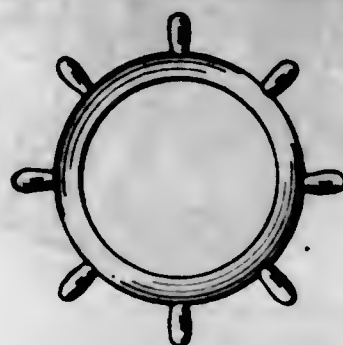
PROMAR



For Canned Fish, Canned Shellfish, Preserved Fish, and Preserved Shellfish, Including Salmon, Tuna, Sardines, Yellowtail, Lobster, Clam, Turtle; Canned Vegetables, Canned Fruits, and Condimental Sauces.
Claims use since on or about Jan. 2, 1928.

Ser. No. 272,237. COMPANIA DE PRODUCTOS MARINOS, SOCIEDAD ANONIMA, Ensenada, Lower California, Mexico. Filed Sept. 11, 1928.

AMBERADO



For Canned Fish, Canned Shellfish, Preserved Fish, and Preserved Shellfish, Including Salmon, Tuna, Sardines, Yellowtail, Lobster, Clam, Turtle; Canned Vegetables, Canned Fruits, and Condimental Sauces.
Claims use since about August, 1925.

Ser. No. 281,843. MONSANTO CHEMICAL WORKS, St. Louis, Mo. Filed Apr. 4, 1929.

ETHAVAN

For Flavors and Extracts for Food.
Claims use since Dec. 3, 1928.

Ser. No. 282,172. THE CITY BAKING COMPANY, Akron, Ohio. Filed Apr. 10, 1929.



No claim is made to the exclusive use of the words "City Bakery" apart from the trade-mark shown.
For Bread, Rolls, Cakes, and Pastries.
Claims use since Jan. 1, 1915.

Ser. No. 282,898. BEN-BURK, INCORPORATED, Boston, Mass. Filed Apr. 24, 1929.

Italian Maid

For Malt Extracts and Syrups.
Claims use since Mar. 16, 1929.

Ser. No. 283,228. ROCCO SIRGIOVANNI, doing business as Rocco and Co., Schenectady, N. Y. Filed Apr. 29, 1929.

TORRONCINO

For Candy.
Claims use since Feb. 1, 1929.

Ser. No. 283,347. RUNKEL BROTHERS, INC., New York, N. Y. Filed May 1, 1929.

RUNKO

For Malt and Chocolate-Flavored Food Preparation for Use in Making Beverages.
Claims use since Apr. 22, 1929.

Ser. No. 283,348. RUNKEL BROTHERS, INC., New York, N. Y. Filed May 1, 1929.



Applicant makes no claim to the words "Malt and Chocolate Flavored" and "Delicious—Nutritious" apart from the mark as shown on the drawing.

For Malt and Chocolate-Flavored Food Preparations for Use in Making Beverages.
Claims use since Apr. 22, 1929.

Ser. No. 283,776. JOE R. BERGMAN, doing business as Moonbeam Food Products Company, Cincinnati, Ohio. Filed May 10, 1929.



No claim is made to a particular color, nor is any claim made to the representation of a label, apart from the mark as shown on the drawing.

For Mayonnaise and Tartar Sauce.
Claims use since July 16, 1919.

Ser. No. 286,369. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed June 29, 1929.

SULTANNA

For Cane and Maple Syrup, Peanut Butter, Olive Relish, and Jam.

Claims use since 1920 on syrup; since 1921 on olive relish; since 1922 on peanut butter; and since 1923 on jam.

Ser. No. 288,589. SEEMAN BROTHERS INC., New York, N. Y. Filed Aug. 15, 1929.

GEMS

The letters forming the trade-mark may be printed in any desired color.

For Food Product Used for Decorative Purposes and Made of Artificially Colored and Flavored Processed Raisins or Melon Rinds.

Claims use since June 3, 1929.

Ser. No. 289,165. ABRAHAM E. SABRAH, doing business as Purity Original Pekan Pie Company, Dallas, Tex. Filed Aug. 29, 1929.



Applicant disclaims the words "Purity—Original, 10¢" and "Pekan Pies" apart from the mark as shown.

For a Candy Confection Consisting of a Composition of Pecans, Coconut, Eggs, Butter, and Syrup.

Claims use since June 1, 1928.

Ser. No. 289,849. THE STANDARD BISCUIT COMPANY, Des Moines, Iowa. Filed Sept. 16, 1929.

So-TAST-EE

For Candles.

Claims use since Aug. 14, 1929.

Ser. No. 289,895. LEONARD KUVIN, New Haven, Conn. Filed Sept. 17, 1929.

VITAMIN-AISE

For Salad Dressings, Sandwich Spreads, and Meat Dressings.

Claims use since on or about Sept. 11, 1929.

Ser. No. 289,945. FREDERIC ROHNER, New York, N. Y. Filed Sept. 18, 1929.

ROANA

For Citrus Pectin; Citrus Acid Products—Namely, Lemon, Orange, and Grapefruit Juice and Lemon and Orange Oil, for Food-Flavoring Purposes.

Claims use since Aug. 2, 1929.

Ser. No. 290,306. F. M. BALL & COMPANY, San Francisco, Calif. Filed Sept. 30, 1929.

GOOD PLAY

For Canned Fruits and Canned Fish.

Claims use since Mar. 2, 1922.

Ser. No. 290,689. DeCOURSEY CREAMERY COMPANY, Kansas City, Kans. Filed Oct. 5, 1929.



The wording in our mark is disclaimed apart from the mark as shown on the drawing.

For Oleomargarine.

Claims use since Jan. 2, 1929.

Ser. No. 290,691. STEFAN E. FANZ, Brookfield, Ill. Filed Oct. 5, 1929.

FANZGELD

For Smoked and Cooked Meat Loaf—Namely, Chicken-Veal Loaf, Ham Loaf, Ham-Eggs Loaf, Liver-Cheese Loaf, Fish Loaf, Oriental Loaf, Fruit-Salad Loaf, and Rabbit Loaf.

Claims use since Aug. 15, 1928.

Ser. No. 290,727. PHILIP WEISBERG, Brooklyn, N. Y. Filed Oct. 5, 1929.

ALVINO



The portrait is that of my son.

For Edible Oils.

Claims use since Aug. 23, 1929.

Ser. No. 290,982. THE VAN CAMP PACKING COMPANY, INC., Indianapolis, Ind. Filed Oct. 11, 1929.

CREAMTEX

For Vegetable Shortening.

Claims use since Jan. 3, 1929.

Ser. No. 291,325. THE CLEVELAND PRETZEL & POTATO CHIP COMPANY, Cleveland, Ohio. Filed Oct. 21, 1929.



No claim is made to the wording appearing on the drawing apart from the mark as shown.

For Egg Noodles.

Claims use since July 1, 1925.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 271,504. PARA RUBBER COMPANY, Newark, N. J. Filed Aug. 24, 1928.

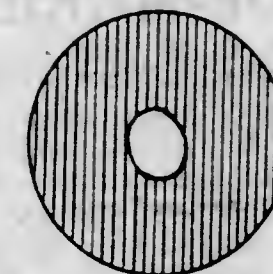
Para-Hytex

Applicant is the owner of registration No. 249,174.

For Drapes, Draperies, Table Covers, and Roll or Piece Goods All Made Up of Fabric Chemically Treated and Coated on Both Sides, so as to Make Same Waterproof, Spotproof, and Mildewproof, Which Goods are Used for Domestic and Household Purposes.

Claims use since Jan. 9, 1928.

Ser. No. 273,100. CUPPLES COMPANY, MANUFACTURERS, St. Louis, Mo. Filed Sept. 28, 1928.



The trade-mark as actually used on the goods is the substantially round light spot disposed in a red sealing disk of the bottle cap. The lining in the drawing indicates the color red contrasting with the spot. No claim is made for the red sealing disk alone.

For Bottle Caps.

Claims use since Sept. 5, 1928.

Ser. No. 284,389. ANTOINE BLAZIC, Sawtelle, Calif. Filed May 21, 1929.



The word "Trees" is disclaimed apart from the other features of the mark appearing in the drawings.

For Artificial Tree for Ornamental Purposes.

Claims use since June, 1928.

Ser. No. 289,000. BELGIAN LEATHER COMPANY, New York, N. Y. Filed Aug. 26, 1929.



The words "Beauty" and "Leather" are disclaimed apart from the mark as shown.

For Material Composed of Braided Strips of Leather with a Cloth Backing.

Claims use since Aug. 1, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 10, 1929

264,814. AIR AND VACUUM VALVES. JAMES J. MURPHY, doing business as U. S. Air & Vacuum Valve Company, New Haven, Conn.
Filed June 29, 1929. Serial No. 286,379. PUBLISHED SEPTEMBER 24, 1929. Class 13.

264,815. SHOCK ABSORBERS FOR AUTOMOBILES AND SIMILAR SELF-PROPELLED VEHICLES. DELCO PRODUCTS CORPORATION, Dayton, Ohio.
Filed July 8, 1929. Serial No. 286,745. PUBLISHED SEPTEMBER 3, 1929. Class 19.

264,816. TILTING-PLATFORM HAND TRUCKS. MELBOURNE C. EMERY, Adrian, Mich.
Filed July 13, 1929. Serial No. 287,058. PUBLISHED SEPTEMBER 24, 1929. Class 19.

264,817. GAS WATER HEATERS. FAMILIAN-SILVER CO., Los Angeles, Calif.
Filed July 13, 1929. Serial No. 287,059. PUBLISHED SEPTEMBER 24, 1929. Class 34.

264,818. HEATING FURNACES, BOILERS, AIR BOOSTERS, HUMIDIFIERS, AND AIR CLEANERS. HEATING SYSTEMS & SUPPLY CO., Joliet, Ill.
Filed July 13, 1929. Serial No. 287,075. PUBLISHED SEPTEMBER 24, 1929. Class 34.

264,819. BUILT-IN LAUNDRY HAMPER AND BUILT-IN CABINETS FOR WASTE MATERIALS. THE FELCO MANUFACTURING CO., INC., Newark, N. J.
Filed July 15, 1929. Serial No. 287,126. PUBLISHED SEPTEMBER 24, 1929. Class 2.

264,820. AIRPLANES. LUCIUS B. MANNING, Chicago, Ill.
Filed July 19, 1929. Serial No. 287,354. PUBLISHED SEPTEMBER 24, 1929. Class 19.

264,821. AUTOMOBILE BODIES. WALKER BODY COMPANY, Amesbury, Mass.
Filed July 24, 1929. Serial No. 287,634. PUBLISHED SEPTEMBER 24, 1929. Class 19.

264,822. METAL DRAINS. FRANK MORTIMER MILLS, Boston, Mass.
Filed July 29, 1929. Serial No. 287,831. PUBLISHED SEPTEMBER 24, 1929. Class 13.

264,823. WIRE CLOTH. BUFFALO WIRE WORKS CO., INC., Buffalo, N. Y.
Filed August 5, 1929. Serial No. 288,105. PUBLISHED SEPTEMBER 24, 1929. Class 13.

264,824. ELECTRIC STOVES, ELECTRIC FLATIRONS, AND CONNECTORS FOR ELECTRICAL CONDUCTORS. JOHANNES SCHLEPER, doing business as J. Schleper & Zonen, Amsterdam, Netherlands.
Filed June 17, 1929. Serial No. 285,691. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,825. CERTAIN NAMED PAINT PRODUCTS. CORDES & CO., Minden, Germany.
Filed June 17, 1929. Serial No. 285,709. PUBLISHED SEPTEMBER 17, 1929. Class 16.

264,826. PREPARATION FOR KILLING FLIES AND GERMS AND INSECTICIDE, ETC. D. B. SMITH & COMPANY, INC., Utica, N. Y.
Filed July 31, 1929. Serial No. 287,946. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,827. SAFETY-RAZOR BLADES. MORRIS MINDLIN, doing business as Empire Cutlery Company and Aircraft Razor Blade Co., New York, N. Y.
Filed August 2, 1929. Serial No. 288,023. PUBLISHED SEPTEMBER 24, 1929. Class 23.

264,828. UTERINE TONIC. BENDINER & SCHLESINGER, INC., New York, N. Y.
Filed August 7, 1929. Serial No. 288,217. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,829. PNEUMATIC-TIRE CASINGS MADE WHOLLY OR PARTLY OF RUBBER. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudaby, Wis.
Filed August 13, 1929. Serial No. 288,470. PUBLISHED SEPTEMBER 14, 1929. Class 35.

264,830. ELECTRICALLY-OPERATED PAINT SPRAY APPARATUS. AUTO POWER SPRAY COMPANY, Chicago, Ill.
Filed August 16, 1929. Serial No. 288,582. PUBLISHED SEPTEMBER 24, 1929. Class 23.

264,831. GAS WATER HEATERS. THE SANDS MANUFACTURING COMPANY, doing business as Widner Heater Co., Cleveland, Ohio.
Filed June 26, 1929. Serial No. 286,203. PUBLISHED SEPTEMBER 24, 1929. Class 34.

264,832. THREADS AND YARNS OF ARTIFICIAL SILK. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany.
Filed July 29, 1929. Serial No. 287,801. PUBLISHED SEPTEMBER 24, 1929. Class 43.

264,833. WOMEN'S SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS THEREOF. SHUSTILES, INCORPORATED, St. Louis, Mo.
Filed July 29, 1929. Serial No. 287,847. PUBLISHED SEPTEMBER 24, 1929. Class 39.

264,834. TEXTILE WOVEN RUGS AND CARPETS. BIGELOW-HARTFORD CARPET COMPANY, Thompsonville, Conn.
Filed July 30, 1929. Serial No. 287,863. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,835. LADIES' HATS. DENLAP'S CALIFORNIA SPORT HATS, INC., Los Angeles, Calif.
Filed July 31, 1929. Serial No. 287,914. PUBLISHED SEPTEMBER 24, 1929. Class 39.

264,836. OILCLOTH. THE COLUMBUS-UNION OIL CLOTH COMPANY, Columbus, Ohio.
Filed August 7, 1929. Serial No. 288,226. PUBLISHED SEPTEMBER 24, 1929. Class 20.

264,837. HAIR NETS. NATIONAL GARY CORPORATION, New York, N. Y.
Filed August 14, 1929. Serial No. 288,508. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,838. HAIR NETS. NATIONAL GARY CORPORATION, New York, N. Y.
Filed August 14, 1929. Serial No. 288,510. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,839. HAIR NETS. NATIONAL GARY CORPORATION, New York, N. Y.
Filed August 14, 1929. Serial No. 288,512. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,840. HAIR NETS. NATIONAL GARY CORPORATION, New York, N. Y.
Filed August 14, 1929. Serial No. 288,513. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,841. CIGARS AND CIGARETTES. JULIUS DELOTT, New York, N. Y.
Filed August 16, 1929. Serial No. 288,592. PUBLISHED SEPTEMBER 24, 1929. Class 17.

264,842. CANDLES. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y.
Filed June 18, 1929. Serial No. 285,761. PUBLISHED SEPTEMBER 24, 1929. Class 15.

DECEMBER 10, 1929

U. S. PATENT OFFICE

307

264,843. GENERAL LUBRICATING OIL FOR HOUSEHOLD PURPOSES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed June 19, 1929. Serial No. 285,792. PUBLISHED SEPTEMBER 24, 1929. Class 15.

264,844. KNITTED DISHWASHING CLOTHS. STARR KNITTING MILLS, INC., Pleasantville, N. J.
Filed July 19, 1929. Serial No. 287,383. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,845. BLASTING EXPLOSIVES. LONITE, INCORPORATED, Chicago, Ill.
Filed July 23, 1929. Serial No. 287,533. PUBLISHED SEPTEMBER 24, 1929. Class 9.

264,846. HATS FOR WOMEN, MISSES, AND CHILDREN. MULLER AND RAAS COMPANY, San Francisco, Calif.
Filed July 26, 1929. Serial No. 287,710. PUBLISHED SEPTEMBER 24, 1929. Class 39.

264,847. FELT, STRAW, AND CLOTH HATS AND CAPS FOR THE USE OF MEN AND BOYS. PARAGON HAT CO., Chicago, Ill.
Filed June 3, 1929. Serial No. 284,951. PUBLISHED SEPTEMBER 24, 1929. Class 39.

264,848. SILK PIECE GOODS. ALBERT GODDE, BEDIN, INC., New York, N. Y.
Filed May 29, 1929. Serial No. 284,763. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,849. RUBBER SOLES AND HEELS FOR SHOES AND SPORT SHOES OF LEATHER OR FABRIC WITH RUBBER BOTTOMS. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed December 21, 1928. Serial No. 277,059. PUBLISHED MARCH 12, 1929. Class 39.

264,850. BEDSPREADS. RIVERSIDE & DAN RIVER COTTON MILLS, Danville, Va.
Filed January 23, 1929. Serial No. 278,361. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,851. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. THE NATIONAL CAP MANUFACTURING COMPANY, Toledo, Ohio.
Filed May 14, 1929. Serial No. 284,010. PUBLISHED SEPTEMBER 24, 1929. Class 39.

264,852. INSULATING OIL USED AS AN ELECTRICAL SUPPLY OR INSULATING MEDIUM IN THE MANUFACTURE OF ELECTRIC CABLES. DIELECTRIC PRODUCTS, INC., Newport, Del.
Filed May 3, 1929. Serial No. 283,438. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,853. CERTAIN NAMED PAINT PRODUCTS. BECKWITH-CHANDLER COMPANY, Newark, N. J.
Filed May 13, 1929. Serial No. 283,933. PUBLISHED SEPTEMBER 24, 1929. Class 16.

264,854. RADIO TRANSMITTING AND RECEIVING SETS, COILS, AND REPAIR PARTS THEREFOR. WARE MANUFACTURING CORPORATION, Trenton, N. J.
Filed June 1, 1929. Serial No. 284,921. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,855. WASHING POWDER. STUART INDUSTRIAL SERVICE INC., Chicago, Ill.
Filed March 7, 1929. Serial No. 280,422. PUBLISHED APRIL 30, 1929. Class 4.

264,856. SWEET PICKLED BEETS. ANN MARIE JACOBITES, doing business as Mrs. Jacobites, Detroit, Mich.
Filed May 2, 1929. Serial No. 283,400. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,857. LUBRICATING OILS. RED RIVER REFINING COMPANY, INC., Chicago, Ill.
Filed January 24, 1929. Serial No. 278,414. PUBLISHED MARCH 19, 1929. Class 15.

264,858. ELECTRIC SWITCHES AND INCANDESCENT LAMPS. AKTIEBOLAGET BIRKA REGULATOR, Stockholm, Sweden.
Filed March 19, 1929. Serial No. 280,981. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,859. GAMES PLAYED WITH DICE, CARDS, AND COUNTERS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed March 28, 1929. Serial No. 281,512. PUBLISHED SEPTEMBER 24, 1929. Class 22.

264,860. INSULATING GREASE USED AS AN ELECTRICAL SUPPLY OR INSULATING MEDIUM IN THE MANUFACTURE OF ELECTRIC CABLES. DIELECTRIC PRODUCTS, INC., Newport, Del.
Filed May 3, 1929. Serial No. 283,437. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,861. AUTOMOBILE ACCESSORIES—NAMELY, AUTOMOBILE TIRE COVERS. LANGHORNE THOMAS CO., Berkeley, Calif.
Filed May 27, 1929. Serial No. 284,682. PUBLISHED AUGUST 27, 1929. Class 35.

264,862. OILS AND COMPOUNDS FOR USE IN THE MAKING OF CORES EMPLOYED IN THE CASTING OF METALS. THE FORDATH ENGINEERING COMPANY, LIMITED, West Bromwich, England.
Filed January 8, 1929. Serial No. 277,700. PUBLISHED SEPTEMBER 24, 1929. Class 5.

264,863. CANNED GOODS—NAMELY, FISH, VEGETABLES, FRUITS, PRESERVED FRUITS, AND JELLIES. MAX COHN, Woodhaven, N. Y.
Filed February 25, 1929. Serial No. 279,834. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,864. PENCILS AND PENS. ROYAL PENCIL CORPORATION, Corona, N. Y.
Filed March 7, 1929. Serial No. 280,418. PUBLISHED SEPTEMBER 24, 1929. Class 37.

264,865. CASSEROLES, BREAD TRAYS, PERCOLATORS, ETC. JENNINGS SILVER COMPANY, INC., Irvington, N. J.
Filed January 28, 1929. Serial No. 278,541. PUBLISHED SEPTEMBER 24, 1929. Class 13.

264,866. COMPRESSORS, USED FOR REFRIGERATING PURPOSES, AND INTERNAL-COMBUSTION ENGINES OF THE DIESEL TYPE, USED FOR STATIONARY AND MARINE PURPOSES. I. P. MORRIS AND DE LA VERGNE, INC., Philadelphia, Pa.
Filed April 5, 1929. Serial No. 281,917. PUBLISHED SEPTEMBER 24, 1929. Class 23.

264,867. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. HOFFMAN BEVERAGE COMPANY, Newark, N. J.
Filed May 23, 1929. Serial No. 284,539. PUBLISHED SEPTEMBER 24, 1929. Class 45.

264,868. BICARBONATE OF SODA, SALT, LYE, ETC. THE GROCERS & PRODUCERS CO., doing business as Clover Farm Stores, Cleveland, Ohio.
Filed July 8, 1929. Serial No. 286,761. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,869. HAIR TONIC, HAIR POMADE, A PREPARATION FOR TREATING DANDRUFF. HY-TONE LABORATORIES, Nashville, Tenn.
Filed July 8, 1929. Serial No. 286,780. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,870. DIURETICS, LAXATIVES, RECONSTRUCTIVE TONIC, COLD COMPOUND, AND PROPHYLACTICS. K-V PRODUCTS COMPANY, Houston, Tex.
Filed July 8, 1929. Serial No. 286,782. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,871. LIQUID FLY AND LICE APPLICATION FOR EXTERNAL USE ON ANIMALS. JOHN N. WITTPENN, Jr., doing business as Rockland Chemical Company, Newark, N. J.
Filed July 9, 1929. Serial No. 286,843. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,872. SAWS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed July 16, 1929. Serial No. 287,207. PUBLISHED SEPTEMBER 24, 1929. Class 23.

264,873. BREAD SLICING AND WRAPPING MACHINERY. MAC-ROH SALES & MANUFACTURING CO., Davenport, Iowa.
Filed July 20, 1929. Serial No. 287,419. PUBLISHED SEPTEMBER 24, 1929. Class 23.

264,874. COMPOSITION FRUIT AND COLORED POWDER USED AS AN INGREDIENT IN MAKING SOFT DRINKS. JOHN N. ROADY, doing business as Purity Food Products Co., Kansas City, Mo.
Filed July 31, 1929. Serial No. 287,942. PUBLISHED SEPTEMBER 24, 1929. Class 45.

264,875. COMPOUND FOR TREATING COLDS, COUGHS, CATARRH, ETC. MAX DRUG COMPANY, Alton, Mo.
Filed June 13, 1929. Serial No. 285,525. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,876. HAIR TONIC. A. SIMONE & SONS CO., Providence, R. I.
Filed June 26, 1929. Serial No. 286,206. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,877. PREPARATIONS FOR THE DISEASES OF WOMEN—NAMESLY, VAGINAL SUPPOSITORIES. THE OLIVE BRANCH COMPANY, doing business as The Olive Branch Remedy Company, South Bend, Ind.
Filed July 6, 1929. Serial No. 286,092. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,878. PREPARATION FOR THE PREVENTION AND RELIEF OF HAY FEVER, CATARRH, COLDS, AND NASAL INFECTIONS. AMERICAN DRUG CORPORATION, St. Louis, Mo.
Filed July 22, 1929. Serial No. 287,442. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,879. FLAVORS, COLORS, AND EXTRACTS FOR MAKING NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. BIG-POP PRODUCTS COMPANY, Kansas City, Mo.
Filed July 22, 1929. Serial No. 287,446. PUBLISHED SEPTEMBER 24, 1929. Class 45.

264,880. PLASTIC SEMIMETALLIC STUFFING-BOX PACKING. INDUSTRIAL CHEMICAL & SUPPLY CO. INC., Atlanta, Ga.
Filed July 23, 1929. Serial No. 287,531. PUBLISHED SEPTEMBER 24, 1929. Class 35.

264,881. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SYRUPS FOR MAKING THE SAME. AMERICAN GRAPE JUICE CORPORATION, Fredonia, N. Y.
Filed July 29, 1929. Serial No. 287,785. PUBLISHED SEPTEMBER 24, 1929. Class 45.

264,882. OFFICE, HOUSEHOLD, AND FACTORY CHAIRS. WILLIAM S. FERRIS, doing business as Do/More Chair Company, Elkhart, Ind.
Filed July 29, 1929. Serial No. 287,810. PUBLISHED SEPTEMBER 24, 1929. Class 32.

264,883. OIL MEASURING AND DISPENSING UNIT USED FOR DISPENSING LUBRICATING OILS AT FILLING STATIONS, GARAGES, ETC. SHARPSVILLE BOILER WORKS CO., Sharpsville, Pa.
Filed July 29, 1929. Serial No. 287,846. PUBLISHED SEPTEMBER 24, 1929. Class 26.

264,884. ANTISEPTIC POWDER AND ANTISEPTIC SUPPOSITORY. FEM SAN PRODUCTS CO., San Francisco, Calif.
Filed July 27, 1929. Serial No. 287,746. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,885. FACE POWDER, ASTRINGENT, SKIN WHITENER, ETC. EUGENE STANLEY BROWNE, Des Moines, Iowa.
Filed July 25, 1929. Serial No. 287,046. PUBLISHED SEPTEMBER 24, 1929. Class 6.

264,886. VACUUM OR ELECTRON TUBES FOR RADIO USE. BOND ELECTRIC CORPORATION, Jersey City, N. J.
Filed June 26, 1929. Serial No. 286,150. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,887. MATTRESSES. HADLEY FURNITURE COMPANY, Springfield, Mass.
Filed August 6, 1929. Serial No. 288,186. PUBLISHED OCTOBER 1, 1929. Class 32.

264,888. AEROPLANES. CURTISS AEROPLANE AND MOTOR COMPANY, INC., Garden City and Buffalo, N. Y.
Filed August 6, 1929. Serial No. 288,155. PUBLISHED OCTOBER 1, 1929. Class 19.

264,889. RUBBER-COVERED ROLLS FOR MACHINERY. STOWE & WOODWARD COMPANY, Newton Upper Falls, Mass.
Filed August 3, 1929. Serial No. 288,093. PUBLISHED OCTOBER 1, 1929. Class 23.

264,890. LUBRICATING OILS. FARMERS UNION CO-OPERATIVE OIL ASSOCIATION OF IOWA, Des Moines, Iowa.
Filed June 24, 1929. Serial No. 286,047. PUBLISHED SEPTEMBER 24, 1929. Class 15.

264,891. STORAGE BATTERIES. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 22, 1929. Serial No. 287,468. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,892. WET AND DRY BATTERIES, POWER PACKS, RECTIFYING TUBES, AND VACUUM TUBES. TRAY-LER MANUFACTURING CORPORATION, St. Louis, Mo.
Filed July 22, 1929. Serial No. 287,439. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,893. WET AND DRY BATTERIES, POWER PACKS, RECTIFYING TUBES, AND VACUUM TUBES. TRAY-LER MANUFACTURING CORPORATION, St. Louis, Mo.
Filed July 22, 1929. Serial No. 287,438. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,894. ALUMINUM PAINT. FRAZER PAINT COMPANY, Detroit, Mich.
Filed July 17, 1929. Serial No. 287,242. PUBLISHED SEPTEMBER 10, 1929. Class 16.

264,895. KNITTED FACE-WASHING CLOTHS MADE OF TERRY-LOOP KNITTED COTTON FABRIC. STARR KNITTING MILLS, INC., Pleasantville, N. J.
Filed July 19, 1929. Serial No. 287,382. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,896. THREAD MADE FROM VEGETABLE COMPOUNDS. ISAAC I. BRUCK, New York, N. Y.
Filed July 13, 1929. Serial No. 287,040. PUBLISHED SEPTEMBER 24, 1929. Class 43.

264,897. SOFT FELT HATS FOR MEN AND BOYS. DESMOND'S, Los Angeles, Calif.
Filed July 12, 1929. Serial No. 286,982. PUBLISHED SEPTEMBER 24, 1929. Class 39.

264,898. PISTOLS. COLT'S PATENT FIRE ARMS MANUFACTURING CO., Hartford, Conn.
Filed July 10, 1929. Serial No. 286,868. PUBLISHED SEPTEMBER 24, 1929. Class 9.

264,899. CANNED COFFEE, SPAGHETTI, AND MACARONI IN ITS VARIOUS FORMS, AND BOTTLED OLIVE OIL. VINCENT C. NASO, doing business as Italian & American Cash & Carry Grocery & Meat Market, Cleveland, Ohio.
Filed July 3, 1929. Serial No. 286,581. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,900. BRASSIERES, CORSETS AND GIRDLES. FOUNDATIONS—NAMESLY, CORSETS AND BRASSIERE COMBINATIONS, BANDETTES, GARTER BELTS, BANDEAUX; COMBINATIONS—NAMESLY, GIRDLE AND BRASSIERE COMBINATIONS. VOGUE BRASSIERE MFG. CO., Newark, N. J.
Filed June 27, 1929. Serial No. 286,286. PUBLISHED SEPTEMBER 17, 1929. Class 39.

264,901. WOODEN SHINGLES. ST. PAUL AND TACOMA LUMBER CO., Tacoma, Wash.
Filed June 10, 1929. Serial No. 285,382. PUBLISHED SEPTEMBER 3, 1929. Class 12.

264,902. SWIMMING BELTS. DE LION TIRE AND RUBBER CORPORATION, Baltimore, Md.
Filed July 31, 1929. Serial No. 287,912. PUBLISHED SEPTEMBER 24, 1929. Class 22.

264,903. WOOLEN PIECE GOODS. FORSTMAN & HUFTMANN COMPANY, Passaic, N. J.
Filed June 5, 1929. Serial No. 285,075. PUBLISHED SEPTEMBER 24, 1929. Class 42.

264,904. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed August 15, 1929. Serial No. 288,553. PUBLISHED SEPTEMBER 24, 1929. Class 22.

264,905. PAINT ENAMEL FOR FIRE-ALARM BOXES AND FOR POLICE BOXES. THE GAMEWELL COMPANY, Newton and Newton Upper Falls, Mass.
Filed August 8, 1929. Serial No. 288,296. PUBLISHED SEPTEMBER 17, 1929. Class 16.

264,906. PAINTS, ENAMELS, VARNISHES, AND STAINS. NABORHOOD PAINT STORES, INCORPORATED, Milwaukee, Wis.
Filed July 27, 1929. Serial No. 287,765. PUBLISHED SEPTEMBER 24, 1929. Class 16.

264,907. RADIO LOUD-SPEAKERS. UNITED REPRODUCERS CORPORATION, Springfield, Ohio.
Filed July 25, 1929. Serial No. 287,680. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,908. ELECTRIC MOTORS AND PARTS THEREOF. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed July 25, 1929. Serial No. 287,649. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,909. LUBRICATING OILS AND GREASES. PENNANT OIL & GREASE CO. INC., Los Angeles, Calif.
Filed July 22, 1929. Serial No. 287,489. PUBLISHED SEPTEMBER 24, 1929. Class 15.

264,910. WEDDING RINGS. STANDARD RING COMPANY, Boston, Mass.
Filed August 6, 1929. Serial No. 288,158. PUBLISHED SEPTEMBER 24, 1929. Class 28.

264,911. KNIVES AND TOOLS. THE CAR-VAN STEEL PRODUCTS COMPANY, Canton, Ohio.
Filed August 20, 1928. Serial No. 271,292. PUBLISHED OCTOBER 1, 1929. Class 28.

264,912. LIQUID AND GAS METERS, MANOMETERS, ETC. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa.
Filed August 10, 1928. Serial No. 270,865. PUBLISHED SEPTEMBER 24, 1929. Class 26.

264,913. LIQUID AND GAS METERS, MANOMETERS, ETC. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa.
Filed August 10, 1928. Serial No. 270,864. PUBLISHED SEPTEMBER 24, 1929. Class 26.

264,914. MASSAGING MACHINE. KNOTT & GARLLUS, Detroit, Mich.
Filed August 4, 1928. Serial No. 270,595. PUBLISHED DECEMBER 4, 1928. Class 44.

264,915. LUBRICATING OILS, ILLUMINATING OILS, GASOLINE, NAPHTHA, AND LUBRICATING GREASES. STERLING OIL COMPANY, Emlenton, Pa.
Filed August 2, 1928. Serial No. 270,522. PUBLISHED SEPTEMBER 18, 1928. Class 15.

264,916. CANNED VEGETABLES. CHILTON CANNING CO., Chilton, Wis.
Filed August 2, 1928. Serial No. 270,462. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,917. PLATES AND DISHES. KETES FIBRE COMPANY, Inc., Waterville, Me.
Filed August 1, 1928. Serial No. 270,429. PUBLISHED SEPTEMBER 24, 1929. Class 2.

264,918. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. WHITING-ADAMS COMPANY, Boston, Mass.
Filed July 31, 1928. Serial No. 270,403. PUBLISHED SEPTEMBER 24, 1929. Class 29.

264,919. CANNED VEGETABLES—NAMESLY, CANNED SUGAR CORN AND CANNED SUCCOTASH. H. C. BAXTER & BRO., doing business as H. C. Baxter Bros. Co., Baxter Bros. Co., and Snowflake Canning Co., Brunswick, Me.
Filed July 19, 1928. Serial No. 269,821. PUBLISHED SEPTEMBER 25, 1928. Class 46.

264,920. ELECTRICAL LIGHTERS FOR CIGARS, CIGARETTES, AND THE LIKE. S. T. JESSOP CO., INC., Chicago, Ill.
Filed July 13, 1928. Serial No. 269,527. PUBLISHED SEPTEMBER 24, 1929. Class 21.

264,921. ADHESIVE CEMENT. MAJOR MANUFACTURING CO., New York, N. Y.
Filed June 23, 1928. Serial No. 268,551. PUBLISHED AUGUST 13, 1929. Class 5.

264,922. PRESERVED AND CANNED FISH. SOC. COOP. "OSTENDIA," Breedene, near Ostend, Belgium.
Filed June 19, 1928. Serial No. 268,320. PUBLISHED OCTOBER 9, 1928. Class 46.

264,923. PRESERVED AND CANNED FISH. SOC. COOP. "OSTENDIA," Breedene, near Ostend, Belgium.
Filed June 19, 1928. Serial No. 268,319. PUBLISHED AUGUST 28, 1928. Class 46.

264,924. METALLIC BELT HOOKS. JEWELL BELT HOOK CO., New Britain, Conn.
Filed June 10, 1928. Serial No. 268,159. PUBLISHED SEPTEMBER 24, 1929. Class 13.

264,925. LUBRICATING OILS AND GREASES. TRAVIS O. SMITH, Denver, Colo.
Filed June 9, 1928. Serial No. 267,807. PUBLISHED OCTOBER 16, 1928. Class 15.

264,926. BRASSIERES, CAMISOLES, AND CORSETS. FRANCES H. MORRISON, Fort Worth, Tex., and Tampico, Mexico.
Filed May 23, 1928. Serial No. 266,873. PUBLISHED JULY 17, 1928. Class 39.

264,927. MALT EXTRACT. HENRY HIRSH, doing business as Home Beverage Co., Chicago, Ill.
Filed May 10, 1928. Serial No. 266,202. PUBLISHED OCTOBER 1, 1929. Class 46.

264,928. COFFEE. HOLLAND COFFEE COMPANY, INC., Nashville, Tenn.
Filed April 10, 1928. Serial No. 264,644. PUBLISHED SEPTEMBER 24, 1929. Class 46.

264,929. STAPLES AND CANNED GOODS—NAMESLY, COFFEE, TEA, AND SARDINES. THE DANNEMILLER GROCERY COMPANY, Canton, Ohio.
Filed February 17, 1928. Serial No. 261,796. PUBLISHED NOVEMBER 13, 1928. Class 46.

264,930. WOMEN'S HATS. THE NATIONAL COMMITTEE ON CORRECT STYLE, INC., Chicago, Ill.
Filed February 3, 1928. Serial No. 261,127. PUBLISHED SEPTEMBER 24, 1929. Class 39.

264,931. INDIRECT-HEATING COILS, INDIRECT-HEATING PIPES, AND BLAST RADIATION APPARATUS. YORK HEATING AND VENTILATING CORPORATION, Bridgeport and Philadelphia, Pa.
Filed February 2, 1928. Serial No. 261,091. PUBLISHED APRIL 23, 1929. Class 34.

264,932. FABRICS OF RAYON, COTTON, WOOL, WORTED, AND MIXTURES OF THESE MATERIALS. BERTRAM EHRENBURG, doing business as B. Ehrenberg Co., New York, N. Y.
Filed August 22, 1929. Serial No. 288,849. PUBLISHED OCTOBER 1, 1929. Class 42.

264,933. BARLEY-MALT SYRUP. JACOB S. POLEFSKY, New York, N. Y.
Filed August 2, 1929. Serial No. 288,029. PUBLISHED OCTOBER 1, 1929. Class 46.

264,934. COTTON SHIRTING IN THE PIECE. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va.
Filed July 31, 1929. Serial No. 287,940. PUBLISHED OCTOBER 1, 1929. Class 42.

- 264,935. COTTON PLAID AND CHECK GOODS IN THE PIECE. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va.
Filed July 31, 1929. Serial No. 287,939. PUBLISHED OCTOBER 1, 1929. Class 42.
- 264,936. SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, FABRICS, AND COMBINATIONS THEREOF. WALTHER LOEWENDAHL SHOE CO., INC., New York, N. Y.
Filed July 30, 1929. Serial No. 287,881. PUBLISHED OCTOBER 1, 1929. Class 39.
- 264,937. MALT SYRUP. THE OSHKOSH BREWING CO., doing business as Oshkosh Malt Products Company, Oshkosh, Wis.
Filed July 29, 1929. Serial No. 287,838. PUBLISHED OCTOBER 1, 1929. Class 46.
- 264,938. CARBONATED WATER. THE FITGER COMPANY, Duluth, Minn.
Filed August 23, 1929. Serial No. 288,909. PUBLISHED OCTOBER 1, 1929. Class 45.
- 264,939. RAZOR BLADES. RUBIE BLADE CORPORATION, New York, N. Y.
Filed August 21, 1929. Serial No. 288,818. PUBLISHED OCTOBER 1, 1929. Class 23.
- 264,940. RAZOR BLADES. RUBIE BLADE CORPORATION, New York, N. Y.
Filed August 21, 1929. Serial No. 288,817. PUBLISHED OCTOBER 1, 1929. Class 23.
- 264,941. FIRE SETS, INCLUDING SHOVELS, TONGS, AND POKERS; LOGROLLERS. CUTTER MANUFACTURING COMPANY, Everett, Mass.
Filed August 21, 1929. Serial No. 288,785. PUBLISHED OCTOBER 1, 1929. Class 23.
- 264,942. PLAYING CARDS. THE GIBSON ART COMPANY, Cincinnati, Ohio.
Filed August 19, 1929. Serial No. 288,704. PUBLISHED OCTOBER 1, 1929. Class 22.
- 264,943. INTERIOR VARNISH. W. P. FULLER & CO., San Francisco, Calif.
Filed August 19, 1929. Serial No. 288,703. PUBLISHED OCTOBER 1, 1929. Class 16.
- 264,944. INTERIOR VARNISH. W. P. FULLER & CO., San Francisco, Calif.
Filed August 19, 1929. Serial No. 288,702. PUBLISHED OCTOBER 1, 1929. Class 16.
- 264,945. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS INC., Portland, Me., and Salem, Mass.
Filed August 17, 1929. Serial No. 288,663. PUBLISHED OCTOBER 1, 1929. Class 22.
- 264,946. GOLF BALLS. WRIGHT & DITSON, Boston, Mass.
Filed August 16, 1929. Serial No. 288,628. PUBLISHED OCTOBER 1, 1929. Class 22.
- 264,947. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed August 15, 1929. Serial No. 288,552. PUBLISHED OCTOBER 1, 1929. Class 22.
- 264,948. GARDEN HOES. WILLIAM KRIESEL, Bossburg, Wash.
Filed August 12, 1929. Serial No. 288,425. PUBLISHED OCTOBER 1, 1929. Class 23.
- 264,949. MECHANICAL LUBRICATORS OR OILERS. WM. V. KIDDER, doing business under the name of the Pyroll Company, La Crosse, Wis.
Filed August 9, 1929. Serial No. 288,343. PUBLISHED OCTOBER 1, 1929. Class 23.
- 264,950. PNEUMATIC TIRES AND TUBES, TIRE FLAPS, FAN BELTS, ETC. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed August 7, 1929. Serial No. 288,232. PUBLISHED OCTOBER 1, 1929. Class 35.

- 264,951. PNEUMATIC TIRES AND TUBES, TIRE FLAPS, FAN BELTS, ETC. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed August 7, 1929. Serial No. 288,231. PUBLISHED OCTOBER 1, 1929. Class 35.
- 264,952. MOTION-PICTURE PHOTOPLAYS. PARAMOUNT FAMOUS LASKY CORP., New York, N. Y.
Filed August 6, 1929. Serial No. 288,202. PUBLISHED OCTOBER 1, 1929. Class 26.
- 264,953. IMPREGNATED WOOD BEARINGS. NEVER-OIL BEARING COMPANY, Wakefield, Mass.
Filed August 6, 1929. Serial No. 288,201. PUBLISHED OCTOBER 1, 1929. Class 23.
- 264,954. BRONZE AND OTHER NONFERROUS METAL ALLOYS COMMERCIALLY KNOWN AS BRONZE, ETC. REPUBLIC BRASS CORPORATION, New York, N. Y.
Filed September 21, 1929. Serial No. 290,169. Class 14.
- 264,955. JAMS, JELLIES, FRUIT PRESERVES, TABLE SYRUP, VINEGAR, SALAD OIL. WEST COAST PRESERVES, INC., Los Angeles, Calif.
Filed July 24, 1929. Serial No. 287,633. PUBLISHED OCTOBER 1, 1929. Class 46.
- 264,956. MEN'S, WOMEN'S, AND CHILDREN'S HATS. MAURICE SOLOMON, doing business as Solomon Cap Company, Yonkers, N. Y.
Filed July 23, 1929. Serial No. 287,547. PUBLISHED OCTOBER 1, 1929. Class 39.
- 264,957. COFFEE, SPICES, FLAVORING EXTRACTS FOR FOOD PURPOSES. R. L. CRAIG & CO., Los Angeles, Calif.
Filed July 13, 1929. Serial No. 287,050. PUBLISHED OCTOBER 1, 1929. Class 46.
- 264,958. FOOD PREPARATION FOR USE IN PUD-DINGS, PIES, AND CAKES. THE KOSTO CO., Chicago, Ill.
Filed June 22, 1929. Serial No. 285,975. PUBLISHED OCTOBER 1, 1929. Class 46.
- 264,959. BOOTS AND SHOES OF LEATHER, SKINS, HIDES, OR PARTLY OF LEATHER, SKINS, AND HIDES AND CLOTH. HUNTINGTON SHOE AND LEATHER COMPANY, Huntington, Ind.
Filed June 19, 1929. Serial No. 285,819. PUBLISHED OCTOBER 1, 1929. Class 39.
- 264,960. AGAR-AGAR FOR FOOD PURPOSES. EDNA CAMPBELL BARKER, doing business as Agarina Food Products, San Diego, Calif.
Filed June 19, 1929. Serial No. 285,805. PUBLISHED OCTOBER 1, 1929. Class 46.
- 264,961. SHOES CONSTRUCTED OF LEATHER, RUBBER, OR FABRIC OR ANY COMBINATION THEREOF, HAVING LEATHER SOLES. ENDICOTT JOHNSON CORPORATION, New York, N. Y.
Filed June 14, 1929. Serial No. 285,539. PUBLISHED OCTOBER 1, 1929. Class 39.
- 264,962. SHOULDER STRAPS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed June 11, 1929. Serial No. 285,418. PUBLISHED OCTOBER 1, 1929. Class 40.
- 264,963. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. L. HILSENBECK, INC., New York, N. Y.
Filed July 30, 1929. Serial No. 287,857. PUBLISHED SEPTEMBER 24, 1929. Class 44.
- 264,964. THERMOSTATICALLY-CONTROLLED TEMPERATURE REGULATORS AND THERMOSTATS. H. M. SHEER COMPANY, Quincy, Ill.
Filed July 26, 1929. Serial No. 287,722. PUBLISHED OCTOBER 1, 1929. Class 26.
- 264,965. ARC LAMPS USED FOR MEDICAL PURPOSES. WILLARD R. RICHARDS, doing business as Richards-Sun, Depew, N. Y.
Filed July 26, 1929. Serial No. 287,718. PUBLISHED SEPTEMBER 24, 1929. Class 44.

- 264,966. GINGER ALE. HINCKLEY & SCHMITT, Chicago, Ill.
Filed July 22, 1929. Serial No. 287,472. PUBLISHED OCTOBER 1, 1929. Class 45.
- 264,967. ATTACHMENT TO BATHTUB FOR SAFE BATHING OF INFANTS AND BATHTUBS FOR BATHING INFANTS. COLUMBUS SPECIALTY CO. INC., New York, N. Y.
Filed July 22, 1929. Serial No. 287,454. PUBLISHED OCTOBER 1, 1929. Class 13.
- 264,968. ROTOGRAVURE PAPERS, PRINTING, WRITING, BOOK, AND COVER PAPERS. SEAMAN PAPER COMPANY, Chicago, Ill.
Filed July 19, 1929. Serial No. 287,368. PUBLISHED OCTOBER 1, 1929. Class 37.
- 264,969. NATURAL MINERAL WATER AND CRYSTALS USED AS AN INGREDIENT IN THE MAKING OF MINERAL WATER. CRAZY WATER HOTEL COMPANY, doing business as Texas Carlsbad Water Co., Mineral Wells, Tex.
Filed July 16, 1929. Serial No. 287,177. PUBLISHED OCTOBER 1, 1929. Class 45.
- 264,970. AUTOMOBILE DOOR-HANDLE ASSEMBLIES. TRANSTEXT MANUFACTURING COMPANY, Detroit, Mich.
Filed July 15, 1929. Serial No. 287,165. PUBLISHED OCTOBER 1, 1929. Class 13.
- 264,971. JOINT MECHANISM OF ARTIFICIAL LIMBS. THE J. F. ROWLEY COMPANY, Chicago, Ill.
Filed July 11, 1929. Serial No. 286,955. PUBLISHED OCTOBER 1, 1929. Class 44.
- 264,972. HEALTH EXERCISING MACHINES. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed July 10, 1929. Serial No. 286,867. PUBLISHED SEPTEMBER 24, 1929. Class 44.
- 264,973. GINGER ALE. VITA DRY, INC., Cleveland, Ohio.
Filed July 6, 1929. Serial No. 286,705. PUBLISHED OCTOBER 1, 1929. Class 45.
- 264,974. GASOLINE TRUCKS. HUDSON MOTOR CAR COMPANY, Detroit, Mich.
Filed June 22, 1929. Serial No. 285,974. PUBLISHED OCTOBER 1, 1929. Class 19.
- 264,975. FLANNELS FOR USE IN HAIR WAVING. THE LOEBER HAIR GOODS CO., Cleveland, Ohio.
Filed June 14, 1929. Serial No. 285,579. PUBLISHED OCTOBER 1, 1929. Class 44.
- 264,976. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. THE FEDERAL RUBBER COMPANY, Chicago, Ill., and Cudahy, Wis.
Filed June 5, 1929. Serial No. 285,072. PUBLISHED OCTOBER 1, 1929. Class 35.
- 264,977. SILK PIECE GOODS. ALBERT GODDE, BEDIN, INC., New York, N. Y.
Filed August 22, 1929. Serial No. 288,852. PUBLISHED OCTOBER 1, 1929. Class 42.
- 264,978. CLEANING FLUID (FOR GENERAL HOUSEHOLD, PROFESSIONAL, AND COMMERCIAL CLEANING), CLEANING SOLVENTS (FOR GENERAL HOUSEHOLD, PROFESSIONAL, AND COMMERCIAL CLEANING), PETROLEUM ETHER FOR CLEANING PURPOSES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed September 7, 1928. Serial No. 272,058. PUBLISHED APRIL 16, 1929. Class 4.
- 264,979. DENTAL AND AFTER-SHAVING CREAM, FACE POWDER, ETC. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed September 28, 1928. Serial No. 273,123. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 264,980. TOY GUNS AND TOY PISTOLS AND CERTAIN AMMUNITION FOR USE THEREWITH. JAKOB MAYER, doing business as Mayer & Grammel-spacher, Rastatt, Germany.
Filed September 22, 1928. Serial No. 272,827. PUBLISHED SEPTEMBER 24, 1929. Class 22.
- 264,981. DENTAL AND AFTER-SHAVING CREAM, FACE POWDER, ETC. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed September 28, 1928. Serial No. 273,125. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 264,982. DENTAL AND AFTER-SHAVING CREAM, FACE POWDER, ETC. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed September 28, 1928. Serial No. 273,124. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 264,983. ENDLESS TRACKS FOR VEHICLES. ROADLESS TRACTION, LIMITED, Hounslow, England.
Filed October 22, 1928. Serial No. 274,182. PUBLISHED SEPTEMBER 24, 1929. Class 23.
- 264,984. DENTAL AND AFTER-SHAVING CREAM, FACE POWDER, ETC. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed September 28, 1928. Serial No. 273,126. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 264,985. WARM-AIR REGISTERS AND PIPES AND PARTS THEREOF. UNITED STATES REGISTER CO., Battle Creek, Mich.
Filed December 18, 1928. Serial No. 276,940. PUBLISHED SEPTEMBER 24, 1929. Class 34.
- 264,986. TRAY TABLES. THE SOLITAIRE TABLE COMPANY, Old Saybrook, Conn.
Filed December 18, 1928. Serial No. 276,905. PUBLISHED OCTOBER 1, 1929. Class 32.
- 264,987. FINGER RINGS. PILGRIM WEDDING RING COMPANY, New York, N. Y.
Filed December 5, 1928. Serial No. 276,328. PUBLISHED SEPTEMBER 24, 1929. Class 28.
- 264,988. MOUTH WASH FOR TREATING IRRITATED GUMS, HALITOSIS, AND ANALOGOUS MOUTH AILMENTS. McCALL'S LABORATORIES, Calgary, Alberta, Canada.
Filed November 21, 1928. Serial No. 275,624. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 264,989. GLOVES MADE OF LEATHER, FABRIC, AND LEATHER AND FABRIC. CARL C. CARR, Lakewood (Cleveland), Ohio.
Filed November 2, 1928. Serial No. 274,704. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 264,990. SHAVING CREAM, DENTAL CREAM, COLD CREAM, ETC. WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed October 23, 1928. Serial No. 274,180. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 264,991. PAPER AND CARDBOARD MAILING WRAPPERS, TUBES, BAGS, BOXES, AND ENVELOPES FOR SHIPPING MERCHANDISE. INTERNATIONAL MAILING TUBE AND WRAPPER COMPANY, New York, N. Y.
Filed December 24, 1927. Serial No. 259,333. PUBLISHED FEBRUARY 26, 1929. Class 2.
- 264,992. SECTION CONTAINING SPECIAL NEWS MATTER OF LOCAL INTEREST. THE WICHITA DAILY EAGLE, Wichita, Kans.
Filed December 10, 1927. Serial No. 258,777. PUBLISHED SEPTEMBER 24, 1929. Class 38.
- 264,993. FRESH CITRUS FRUITS—NAMESLY, ORANGES, LEMONS, AND GRAPEFRUIT. RED FOX ORCHARDS, Orange, Calif., assignor to Consolidated Orange Growers, Orange, Calif., a Corporation of California.
Filed August 17, 1927. Serial No. 253,607. PUBLISHED JULY 31, 1928. Class 46.
- 264,994. COFFEE, TEA, COCOA, JELLY POWDER, FOOD-FLAVORING EXTRACTS, SPICES, AND CANDY. WILLIAM McMURRAY AND COMPANY, St. Paul, Minn.
Filed May 21, 1927. Serial No. 249,362. PUBLISHED OCTOBER 25, 1927. Class 46.

- 264,995. BEARINGS FOR SHAFTS AND SIMILAR MACHINE ELEMENTS, THE SAME BEING MADE FROM POROUS METAL. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed October 6, 1926. Serial No. 238,214. PUBLISHED NOVEMBER 16, 1926. Class 23.
- 264,996. TEXTILE GOODS FOR MILLINERY PURPOSES—NAMES, BUCKRAM, RICE NET, AND HAT NET. THE I. E. PALMER CO., Middletown, Conn.
Filed September 20, 1919. Serial No. 122,949. PUBLISHED DECEMBER 30, 1919. Class 42.
- 264,997. PREPARED MUSTARD. THE GREAT ATLANTIC & PACIFIC TEA CO., New York, N. Y.
Filed September 21, 1923. Serial No. 272,746. PUBLISHED FEBRUARY 26, 1929. Class 46.
- 264,998. WHEAT FLOUR, POULTRY FEEDS, DAIRY FEEDS, AND PIG FEEDS. THE AURORA FLOUR MILLS COMPANY, Junction City, Kans.
Filed June 5, 1929. Serial No. 285,061. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 264,999. CRANBERRIES IN THEIR NATURAL STATE. ABRAHAM I. BERKOWITZ, doing business as United Cranberry Exchange, and also as Berkowitz Properties, Mattoon, Ill.
Filed June 5, 1929. Serial No. 285,063. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,000. STOGIES AND CIGARS. M. MARSH & SON, Inc., Wheeling, W. Va.
Filed August 20, 1929. Serial No. 288,754. PUBLISHED SEPTEMBER 24, 1929. Class 17.
- 265,001. STOGIES AND CIGARS. M. MARSH & SON, Inc., Wheeling, W. Va.
Filed August 20, 1929. Serial No. 288,755. PUBLISHED SEPTEMBER 24, 1929. Class 17.
- 265,002. CHEESE. SOCIÉTÉ DES FROMAGES GERBER, Paris, France.
Filed August 3, 1929. Serial No. 288,092. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,003. A MONTHLY PERIODICAL DEVOTED TO SPAIN AND THE AMERICAS. ALHAMBRA PRESS, Inc., New York, N. Y.
Filed August 7, 1929. Serial No. 288,213. PUBLISHED SEPTEMBER 24, 1929. Class 38.
- 265,004. OLEOMARGARINE. ECKERSON COMPANY, Jersey City, N. J.
Filed August 13, 1929. Serial No. 288,460. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,005. COFFEE. C. W. ANTHIM & SONS, Richmond, Va.
Filed June 6, 1929. Serial No. 285,142. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,006. FARM PRODUCE—NAMES, FRESH IRISH AND SWEET POTATOES. DIAMOND PRODUCE CO., Belle Haven, Va.
Filed June 20, 1929. Serial No. 285,850. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,007. NEWSPAPER SECTION. LOUISVILLE COURIER JOURNAL, Louisville, Ky.
Filed July 26, 1929. Serial No. 287,728. PUBLISHED SEPTEMBER 24, 1929. Class 38.
- 265,008. MILK AND CREAM. BLUE VALLEY CREAMERY COMPANY, Chicago, Ill.
Filed July 27, 1929. Serial No. 287,736. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,009. CANDY. Mrs. T. E. HAUSEMAN, doing business as One Long Hop Candy Company, South Pottstown, Pa.
Filed July 27, 1929. Serial No. 287,757. PUBLISHED SEPTEMBER 10, 1929. Class 46.

- 265,010. CANDY. M. J. HOLLOWAY & COMPANY, Chicago, Ill.
Filed July 29, 1929. Serial No. 287,820. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,011. MONTHLY MAGAZINE. LOUISVILLE COURIER JOURNAL, Louisville, Ky.
Filed July 29, 1929. Serial No. 287,827. PUBLISHED SEPTEMBER 24, 1929. Class 38.
- 265,012. ADHESIVE PASTES, GLUES, ADHESIVE GUMS. THE ARABOL MANUFACTURING COMPANY, New York, N. Y.
Filed July 30, 1929. Serial No. 287,862. PUBLISHED SEPTEMBER 24, 1929. Class 5.
- 265,013. WHEAT FLOUR. THE ROBINSON MILLING CO., Salina, Kans.
Filed July 31, 1929. Serial No. 287,943. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,014. CAKE MIXTURE. DOUGHNUT MACHINE CORPORATION, New York, N. Y.
Filed August 1, 1929. Serial No. 287,961. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,015. SANITARY PAPER DIAPERS. THE DIAPEX CORPORATION, New York, N. Y.
Filed July 6, 1929. Serial No. 286,885. PUBLISHED SEPTEMBER 24, 1929. Class 37.
- 265,016. PEANUT-BUTTER SANDWICHES. SPEROS VERSIS, doing business as Versis Food Specialty Co., Washington, D. C.
Filed July 23, 1929. Serial No. 287,553. PUBLISHED SEPTEMBER 24, 1929. Class 46.
- 265,017. WALL PAPER. THE PRAGER CO., Inc., Brooklyn, N. Y.
Filed July 24, 1929. Serial No. 287,594. PUBLISHED SEPTEMBER 24, 1929. Class 37.
- 265,018. MONTHLY PUBLICATION OR MAGAZINE. ADELAIDE I. NORTON, Philadelphia, Pa.
Filed July 24, 1929. Serial No. 287,641. PUBLISHED SEPTEMBER 24, 1929. Class 38.
- 265,019. AIRPLANE WHEELS, AIRPLANE SHOCK STRUTS, AND AIRPLANE WHEEL AND BRAKE ASSEMBLIES. AIRCRAFT PRODUCTS CORPORATION OF AMERICA, Detroit, Mich.
Filed May 10, 1929. Serial No. 283,771. PUBLISHED SEPTEMBER 24, 1929. Class 19.
- 265,020. ALL KINDS OF GAS-PRESSURE REGULATORS, BASE-METAL POTS, PANS, ETC. DEUTSCHE GASGERÄTE-GESELLSCHAFT M. B. H., Berlin, Germany.
Filed May 10, 1929. Serial No. 283,785. PUBLISHED SEPTEMBER 24, 1929. Class 13.
- 265,021. ELECTRICAL INSULATION COMPOUNDS AND FABRICS IN LIQUID, SEMILIQUID, PASTE FORM, IN SHEETS PLAIN AND LAMINATED, AND IN THE FORM OF MOLDING COMPOUNDS. THE HARVEL CORPORATION, Newark, N. J.
Filed July 13, 1929. Serial No. 287,069. PUBLISHED SEPTEMBER 24, 1929. Class 21.
- 265,022. ELECTRICAL INSULATION COMPOUNDS AND FABRICS IN LIQUID, SEMILIQUID, PASTE FORM, IN SHEETS PLAIN AND LAMINATED, AND IN THE FORM OF MOLDING COMPOUNDS. THE HARVEL CORPORATION, Newark, N. J.
Filed July 13, 1929. Serial No. 287,070. PUBLISHED SEPTEMBER 24, 1929. Class 21.
- 265,023. ELECTRICAL INSULATION COMPOUNDS AND FABRICS IN LIQUID, SEMILIQUID, PASTE FORM, IN SHEETS PLAIN AND LAMINATED, AND IN THE FORM OF MOLDING COMPOUNDS. THE HARVEL CORPORATION, Newark, N. J.
Filed July 13, 1929. Serial No. 287,073. PUBLISHED SEPTEMBER 24, 1929. Class 21.

- 265,024. ENAMELS, PAINT AND VARNISH THINNERS, AND LACQUERS. ACME WHITE LEAD & COLOR WORKS, Hamtramck, Mich.
Filed July 15, 1929. Serial No. 287,104. PUBLISHED SEPTEMBER 17, 1929. Class 16.
- 265,025. SASH-ACTUATING MECHANISM FOR VENTILATING APPARATUS. THE CONTINENTAL GREENHOUSE MFG. CO., Cleveland, Ohio.
Filed February 16, 1929. Serial No. 279,452. PUBLISHED SEPTEMBER 24, 1929. Class 34.
- 265,026. RUG CUSHIONS AND RUG PADS. NATIONAL RUG & HAMMOCK MILLS, Milwaukee, Wis.
Filed March 18, 1929. Serial No. 280,934. PUBLISHED OCTOBER 1, 1929. Class 32.
- 265,027. FOUNTAIN PENS AND PENCILS. W. A. SHEAFFER PEN CO., Fort Madison, Iowa.
Filed March 21, 1929. Serial No. 281,110. PUBLISHED JULY 23, 1929. Class 37.
- 265,028. IRRIGATION PUMPS, PUMPING SYSTEMS, AND WATER-PRESSURE SYSTEMS COMPRISING PRIME MOVERS, PUMPS, TANKS, AND PIPING, WITH SUITABLE VALVES. WALTER G. NOACK, Oakland, Calif.
Filed April 3, 1929. Serial No. 281,786. PUBLISHED OCTOBER 1, 1929. Class 23.
- 265,029. VIBRATORS FOR THERAPEUTIC PURPOSES. VENUS SPECIALTY COMPANY, West Bend, Wis.
Filed May 7, 1929. Serial No. 283,633. PUBLISHED JULY 16, 1929. Class 44.
- 265,030. DRYING ROOMS AND EQUIPMENT THEREFOR, AIR-CONDITIONING APPARATUS USED FOR ALL KINDS OF INDUSTRIAL DRYING, STEEL TREATING AND ANNEALING OVENS, AND BAKING OVENS USING GAS, OIL, AND COAL FOR FUEL AND ALSO STEAM AS HEATING MEDIUM. DRYING SYSTEMS, Inc., Chicago, Ill.
Filed May 9, 1929. Serial No. 283,728. PUBLISHED OCTOBER 1, 1929. Class 34.
- 265,031. SOUND-MOTION-PICTURE FILMS AND TALKING-MOTION-PICTURE FILMS. ISAAC N. WEBER, New York, N. Y.
Filed May 17, 1929. Serial No. 284,211. PUBLISHED OCTOBER 1, 1929. Class 26.
- 265,032. THERAPEUTIC BANDAGES. GEORGE GERRIT B. VAN LEEUWEN, Portland, Oreg.
Filed May 21, 1929. Serial No. 284,430. PUBLISHED SEPTEMBER 24, 1929. Class 44.
- 265,033. EMBROIDERED MEDALLIONS AND MONOGRAMS FOR CHILDREN'S, MEN'S, AND WOMEN'S GARMENTS. SAXE EMBROIDERY COMPANY, New York, N. Y.
Filed January 19, 1929. Serial No. 278,192. PUBLISHED OCTOBER 1, 1929. Class 40.
- 265,034. VENTILATED BEACH HATS. WELLDON M. WARD, New York, N. Y.
Filed January 29, 1929. Serial No. 278,616. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,035. BOOTS, SLIPPERS, AND SHOES CONSTRUCTED OF LEATHER AND COMBINATIONS OF LEATHER AND RUBBER, LEATHER AND FABRIC, AND FABRIC AND RUBBER. ISIDORE SIMON, Chicago, Ill.
Filed February 4, 1929. Serial No. 278,851. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,036. MACARONI PRODUCTS. PARMA IMPORTING COMPANY, St. Louis, Mo.
Filed April 15, 1929. Serial No. 282,426. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,037. CORN PLANES AND BLADES THEREFOR. ROTH-BÜCHNER AKTIENGESellschaft, Berlin-Tempelhof, Germany.
Filed January 16, 1929. Serial No. 278,004. PUBLISHED OCTOBER 1, 1929. Class 44.
- 265,038. HINGES AND HASPS. THE BASSETT METAL GOODS COMPANY, Inc., Derby, Conn.
Filed February 16, 1929. Serial No. 279,439. PUBLISHED OCTOBER 1, 1929. Class 13.
- 265,039. CANNED AND DEHYDRATED VEGETABLE SOUPS, CANNED PEAS, BEANS, ETC. HORACE BAKER, Chicago, Ill.
Filed January 7, 1929. Serial No. 277,654. PUBLISHED APRIL 9, 1929. Class 46.
- 265,040. HOSE, BELTING, AND PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y.
Filed January 5, 1929. Serial No. 277,644. PUBLISHED OCTOBER 1, 1929. Class 35.
- 265,041. STOMACH POWDERS. JAMES A. SULLIVAN, doing business as C & S Company, Denver, Colo.
Filed January 11, 1929. Serial No. 277,857. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,042. MEDICINAL PREPARATION FOR THE RELIEF OF CONSTIPATION. H. T. DEWEY & SONS COMPANY, New York, N. Y.
Filed January 12, 1929. Serial No. 277,867. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,043. MEDICINAL PREPARATION FOR THE RELIEF OF CONSTIPATION. H. T. DEWEY & SONS COMPANY, New York, N. Y.
Filed January 12, 1929. Serial No. 277,869. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,044. MEDICINAL PRODUCTS CONTAINING IRON AND OTHER METAL SALTS FOR THE TREATMENT OF ANÆMIA AND THE RESTORATION OF THE NORMAL METAL CONTENT OF THE BLOOD. REED & CARRICK, Jersey City, N. J.
Filed February 23, 1929. Serial No. 279,813. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,045. FLAVORING EXTRACTS FOR NONALCOHOLIC, CEREAL, MALT BEVERAGES. MILTON PAUL, doing business as International Extract Co., New York, N. Y.
Filed March 5, 1929. Serial No. 280,272. PUBLISHED SEPTEMBER 24, 1929. Class 48.
- 265,046. TRUE FRUIT AND IMITATION FLAVORING EXTRACTS FOR FLAVORING NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. MILTON PAUL, doing business as International Extract Co., New York, N. Y.
Filed March 5, 1929. Serial No. 280,273. PUBLISHED SEPTEMBER 24, 1929. Class 45.
- 265,047. VEHICLE WHEELS AND PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed February 18, 1929. Serial No. 279,539. PUBLISHED SEPTEMBER 24, 1929. Class 19.
- 265,048. PAPER CUPS. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.
Filed March 6, 1929. Serial No. 280,362. PUBLISHED SEPTEMBER 24, 1929. Class 2.
- 265,049. PAPER BOXES. SIMPLEX PAPER BOX COMPANY, Lihitz, Pa.
Filed March 22, 1929. Serial No. 281,172. PUBLISHED MAY 21, 1929. Class 2.
- 265,050. AIRPLANE SHOCK ABSORBERS. THE STEARMAN AIRCRAFT COMPANY, Wichita, Kans.
Filed May 9, 1929. Serial No. 283,765. PUBLISHED SEPTEMBER 3, 1929. Class 19.
- 265,051. FOOTBALLS. THE DRAPEL-MAYNARD COMPANY, Plymouth, N. H.
Filed June 27, 1929. Serial No. 286,229. PUBLISHED SEPTEMBER 24, 1929. Class 22.

- 265,052. FRATERNITY BADGES, LAPEL BUTTONS, BREAST PINS, ETC. ALPHA PHI OMEGA, Winchester, Va.
Filed July 3, 1929. Serial No. 286,530. PUBLISHED SEPTEMBER 24, 1929. Class 28.
- 265,053. NECKLACES, NECK CHAINS, WATCH CHAINS, PENDANTS, LAVALIERES, AND EAR ORNAMENTS. C. RAY RANDALL & Co., North Attleboro, Mass.
Filed July 3, 1929. Serial No. 286,589. PUBLISHED SEPTEMBER 24, 1929. Class 28.
- 265,054. STORAGE BATTERIES. THE PREP BOYS—MANNY, MOE & JACK, doing business as Cadet Storage Battery Co., Philadelphia, Pa.
Filed July 6, 1929. Serial No. 286,706. PUBLISHED SEPTEMBER 24, 1929. Class 21.

- 265,055. PENETRATING OILS. THE PREP BOYS—MANNY, MOE & JACK, doing business as Varsity Products Co., Philadelphia, Pa.
Filed July 6, 1929. Serial No. 286,712. PUBLISHED SEPTEMBER 24, 1929. Class 15.
- 265,056. DOLLS. AMERICAN CHARACTER DOLL COMPANY, Inc., New York, N. Y.
Filed July 6, 1929. Serial No. 286,717. PUBLISHED SEPTEMBER 17, 1929. Class 22.
- 265,057. PAPER BAGS. BATES VALVE BAG CORPORATION, Chicago, Ill.
Filed April 17, 1929. Serial No. 282,516. PUBLISHED SEPTEMBER 24, 1929. Class 2.
- 265,058. BATHTUBS, LAVATORIES, TOILET BOWLS, ETC. "KERAMAG" KERAMISCHE WERKE AKTIEN-GESELLSCHAFT, Bonn, Germany.
Filed April 19, 1929. Serial No. 282,692. PUBLISHED SEPTEMBER 24, 1929. Class 13.

TRADE-MARK REGISTRATIONS RENEWED

- 34,074. CERTAIN NAMED PHARMACEUTICAL COMPOUND. Registered January 23, 1900. FARBENFABRIKEN OF ELBERFELD COMPANY. Renewed January 23, 1930, to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.
- 71,256. CERTAIN FOODS. Registered November 10, 1908. FOLEY BROS. & KELLY. Renewed November 10, 1928, to Griggs, Cooper & Company, St. Paul, Minn., a Corporation of Delaware, successor.
- 71,257. CERTAIN FOODS. Registered November 10, 1908. FOLEY BROS. & KELLY. Renewed November 10, 1928, to Griggs, Cooper & Company, St. Paul, Minn., a Corporation of Delaware, successor.
- 74,437. FOODS CONTAINING MALT EXTRACT AND ARTIFICIALLY-ADDED NUTRITIVE SALTS. Registered July 13, 1909. CHEMISCHE FABRIK GEBR. PATERMANN, Friedenau, near Berlin, Germany. Renewed July 13, 1929, to Gebr. Patemann, Teltow, near Berlin, Germany, successor.

- 75,338. GUTTA-PERCHA TISSUES. Registered September 21, 1909. ROBERT SOLTAN & Co. Renewed September 21, 1929, to Bishop Gutta-Percha Company, New York, N. Y., a Corporation of New York, assignee by mesne assignments.
- 76,029. STEAM-TRAPS AND UNIONS. Registered December 7, 1909. LANCASTER & TONGUE LTD., Manchester, England, a Limited Corporation of Great Britain. Renewed December 7, 1929.
- 76,796. LEATHER AND CLOTH BOOTS, SHOES, OXFORDS, AND SLIPPERS. Registered February 15, 1910. B. RICH'S SONS. Renewed February 15, 1930, to B. Rich's Sons, Washington, D. C., a Corporation of District of Columbia, successor.
- 77,146. INHALING INSTRUMENTS AND APPARATUS. Registered March 15, 1910. OTTO JOHANN JULIUS WITT. Renewed March 15, 1930, to Po-Ho Sanitäts-Werk Hamburg Otto Joh. Jul. Witt & Söhne, Hamburg, Germany, assignee.

LABELS

REGISTERED DECEMBER 10, 1929

- 36,718.—Title: VIN TONIQUE FRANCAIS MASSON. For a Tonic. ARMAND IMPORT CORPORATION, New York, N. Y. Published August 5, 1929.
- 36,719.—Title: KERNELKORN. For Canned Corn. AUSTIN, NICHOLS & Co., INC., Brooklyn, N. Y. Published August 20, 1929.
- 36,720.—Title: IDEAL EAU DE QUININE COMPOUND HAIR TONIC. For Hair Tonic. VINCENT J. BRADCHULIS, doing business as Pittsburgh Barbers Supply Company, Pittsburgh, Pa. Published September 24, 1929.
- 36,721.—Title: PUSS'N BOOTS. For Animal Crackers. CHICAGO CARTON COMPANY, Chicago, Ill. Published August 20, 1929.
- 36,722.—Title: GOLD BOND. For Toilet Paper. GOLD BOND STERILIZING POWDER CO., INC., Fairhaven, Mass. Published May 12, 1908.
- 36,723.—Title: CLUB. For Fresh Apples. GOLD FRUIT ASSOCIATION, Mason City, W. Va. Published August 24, 1929.
- 36,724.—Title: CARBON STEEL CUTTERS. For a Die-Sinking and Engraving Cutter. GEORGE GORTON MACHINE CO., Racine, Wis. Published July 1, 1929.

- 36,725.—Title: HIGH SPEED STEEL CUTTERS. For a Die-Sinking and Engraving Cutter. GEORGE GORTON MACHINE CO., Racine, Wis. Published July 1, 1929.
- 36,726.—Title: ONE 21-1 COLLET. For #21-1 Collets. GEORGE GORTON MACHINE CO., Racine, Wis. Published July 1, 1929.
- 36,727.—Title: DROMEDARY CHOCO-DATES. For Dates. THE HILLS BROTHERS COMPANY, New York, N. Y. Published October 16, 1929.
- 36,728.—Title: RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUBBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,729.—Title: RUSSIAN MINERAL OIL. For Russian Mineral Oil for Medicinal Purposes. HYMAN HUBBSCHMAN, doing business as Hub Chemical Co., Brooklyn, N. Y. Published July 25, 1929.
- 36,730.—Title: ANNETTE'S PERFECT CLEANSER. For Dry-Cleaning Composition for Fabrics, Furs, and Felts. ANNETTE R. JENNINGS, doing business as Annette's Perfect Cleanser Co., Boston, Mass. Published August 1, 1929.

- 36,731.—Title: FOOT LONG. For Bread. JOHNSON'S BAKERY INC., De Ridder, La. Published October 18, 1929.
- 36,732.—Title: FLUREM. For Patent Medicine. JESSE JONES, Cooksville, Ontario, Canada. Published October 7, 1929.
- 36,733.—Title: GARCIA MYSTERY THE WONDER CIGAR. For Cigars. THE KILDOW CIGAR COMPANY, INC., Bethesda, Ohio. Published June 8, 1929.
- 36,734.—Title: KEYSTONE BRAND. For Malt Syrup. HERMAN KLINE and ADA KLINE, doing business as Hudson Wholesale Malt Co., Hudson, N. Y. Published August 24, 1929.
- 36,735.—Title: SILVER STREAK. For Brisling Sardines. NATIONAL FISHERIES CO., Chicago, Ill. Published August 15, 1929.
- 36,736.—Title: RYCROFT HAWAIIAN PINEAPPLE DRY. For Carbonated Pineapple Beverage. RYCROFT, LIMITED, Honolulu, Territory of Hawaii. Published May 17, 1929.
- 36,737.—Title: FLEISCHMANN'S PURE DRY YEAST. For Yeast Suitable for Dietetic and Medicinal Purposes. STANDARD BRANDS INCORPORATED, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Published October 15, 1929.
- 36,738.—Title: SUN-MAID DRY PACK PRUNES. For Canned Prunes. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Published September 28, 1929.
- 36,739.—Title: MASTERTONE. For Violins. HERMAN WEAVER, Baltimore, Md. Published September 9, 1929.

PRINTS

REGISTERED DECEMBER 10, 1929

- 12,242.—Title: WHETHER IT'S A \$5 GIFT OR A \$5000 GIFT. For Jewelry and Silverware. BLACK, STARR & FROST-GORHAM, INC., New York, N. Y. Published October 15, 1929.
- 12,243.—Title: THERE'S A GORDON INDIVIDUALLY-PROPORTIONED STOCKING FOR YOU. For Hosiery. BROWN DURRELL COMPANY, Boston, Mass. Published October 15, 1929.
- 12,244.—Title: CONSIDER YOUR FIGURE! PERHAPS YOU SHOULD WEAR GORDON PETITE. For Hosiery. BROWN DURRELL COMPANY, Boston, Mass. Published October 22, 1929.
- 12,245.—Title: 'PRINCESS'—AN INDIVIDUALLY-PROPORTIONED STOCKING BY GORDON—IS FOR THE MODERN BRIEF-SKIRTED YOUNG GIRL. For Hosiery. BROWN DURRELL COMPANY, Boston, Mass. Published October 29, 1929.
- 12,246.—Title: WE PATRONIZE OUR HOME TOWN. For Road Signs. GEORGE H. DE BEY, Logan, Kans. Published August 7, 1929.
- 12,247.—Title: RADIO-TORIUM. For Radios. ROBERT O. FOSTER, doing business as Foster & Waldo, Minneapolis, Minn. Published September 13, 1929.
- 12,248.—Title: PUSHING A GOOD THING ALONG. For Automobile Tires. RICHARD GOODWIN, Los Angeles, Calif. Published November 5, 1919.
- 12,249.—Title: NOT JUST TWO BLANKETS. For Blankets. NASHUA MANUFACTURING COMPANY, Nashua, N. H. Published October 20, 1929.

REISSUES

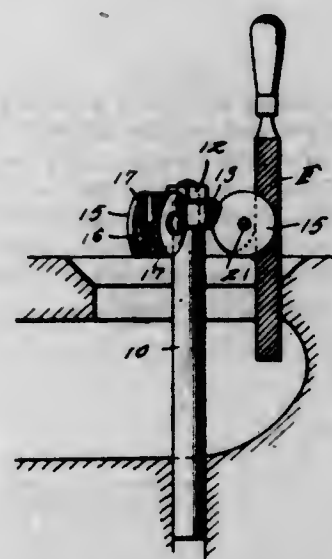
DECEMBER 10, 1929

17,515. SOUND-REPRODUCING UNIT. PAUL G. ANDRES, La Grange, Ill., assignor, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill., a Corporation of New Jersey. Filed Sept. 14, 1928. Serial No. 306,017. Original No. 1,655,403, dated Jan. 10, 1928, Serial No. 155,600, filed Dec. 18, 1926. 8 Claims. (Cl. 179-109.)



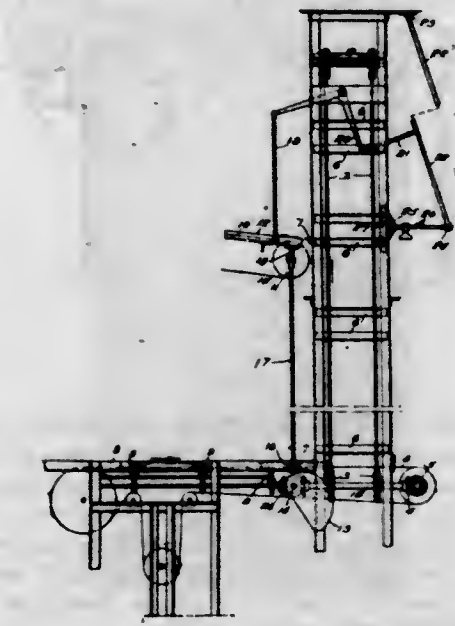
1. A sound regenerating device, comprising sound producers of different natural periods, and means for actuating said producers and comprising serially connected inductances having a reactances in inverse ratio to the fundamental frequencies of the producers affected thereby.

17,516. FILE HOLDER. WALTER M. HOWSER, Indianapolis, Ind. Filed Jan. 24, 1929. Serial No. 334,816. Original No. 1,691,808, dated Nov. 13, 1928, Serial No. 213,324, filed Aug. 16, 1927. 12 Claims. (Cl. 20-80.)



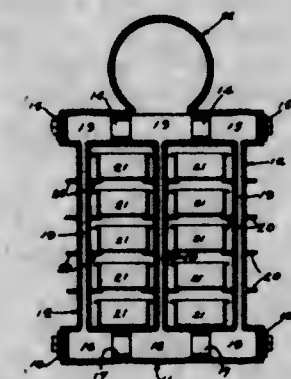
1. In a rotatable file holder for holding files, a coaxial stem having at one end a plurality of radiating arms, the outer end of each arm having an outwardly opening file receiving groove, said grooves being substantially equidistant from the stem axis to present a series of filing elements exteriorly of the device for simultaneous and rotative operation upon a circumscribing surface, said arms being split, and means for contracting the split ends of the arms to clamp the files engaged therewith.

17,517. AUTOMATIC TRANSFER MECHANISM FOR CONVEYERS. SAMUEL OLSON, Oak Park, Ill., assignor to Samuel Olson & Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1929. Serial No. 365,586. Original No. 1,636,429, dated July 19, 1927, Serial No. 426,343, filed Nov. 26, 1920. 11 Claims. (Cl. 198-24.)



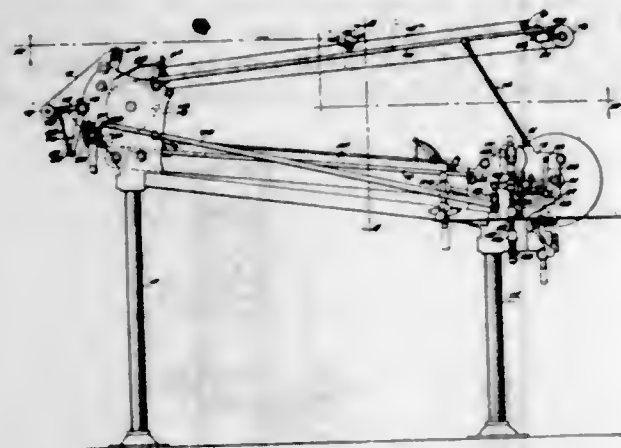
1. The combination of a vertically traveling conveyor with load supporting means disposed at intervals thereon, a transversely traveling conveyor adjacent thereto and arranged for continuously advancing its load and means for moving said transverse conveyor for a limited distance in substantially vertical direction in such a manner as to maintain its registration with the load supporting means of the vertical conveyor during transfer of the load from one conveyor to the other.

17,518. MECHANICAL REFRIGERATION. CHARLES C. SPREEN, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 12, 1929. Serial No. 370,389. Original No. 1,711,252, dated Apr. 30, 1929, Serial No. 125,186, filed July 27, 1928. 6 Claims. (Cl. 62-95.)



1. In a mechanical refrigerating apparatus of the compressor-condenser-flooded-expander type, an expansion unit comprising a plurality of sections connected with their interiors in operative communication, a chamber for the reception of control valve means integral with one of said sections with its interior in operative communication with the interior of said section, and control valve means operatively positioned within said chamber.

17,519. SHEET-FEEDING APPARATUS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed June 8, 1928. Serial No. 283,986. Original No. 1,617,893, dated Feb. 15, 1927. Serial No. 674,334, filed Nov. 12, 1923. 43 Claims. (Cl. 271—37.)



1. In a sheet feeding apparatus, the combination with a supply table, of a feed table, a roller around which the sheets pass from the supply table to the feed table, a plurality of flexible bands cooperating with the roller to direct the sheets about the same, and means independent of the roller, on which the bands are mounted, said means permitting the relative adjustment of the bands to different positions longitudinally of the roller.

17,520. MOTOR-VEHICLE CONTROL PEDAL. HARRY E. HULL, Washington, D. C. Filed Feb. 7, 1928. Serial No. 252,650. Original No. 1,619,421, dated Mar. 1, 1927. Serial No. 120,166, filed July 2, 1926. 17 Claims. (Cl. 74—81.)

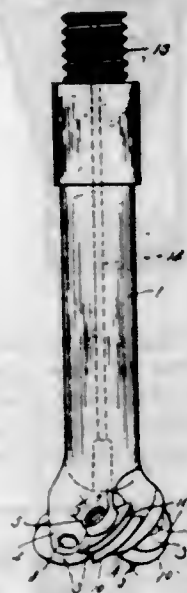


2. In combination with the fuel supply control and a movable lever of a motor vehicle; a revoluble element having bearing upon a portion of the lever moving with the lever but having independent turning motion, a plate car-

ried by said element moving away from said lever when the element is turned, a pedal member, means upon which said member is mounted to rock independently of said element, and connecting means between said pedal member and said element for translating the rocking movement of said member into turning movement of the element to actuate the fuel supply control at said plate.

17,521. [WITHDRAWN.]

17,522. ROTARY DISK BIT. VAN J. KUBIN, Torrance, and PERRY FUNDERRURK, Huntington Beach, Calif. Filed Sept. 17, 1927. Serial No. 220,199. Original No. 1,599,094, dated Sept. 7, 1926. Serial No. 42,042, filed July 7, 1925. 3 Claims. (Cl. 255—71.)



1. A drill bit including a stem, a plurality of arms projecting from the lower end portion of said stem, disk cutters journaled in said arms, each cutter being annularly grooved at its periphery to have a pair of spaced cutting edges, said arms being angularly related to the axis of said stem so that one cutting edge of each cutter will cut the bottom of the well bore and the other cutting edge will cut the side of the bore.

DESIGNS

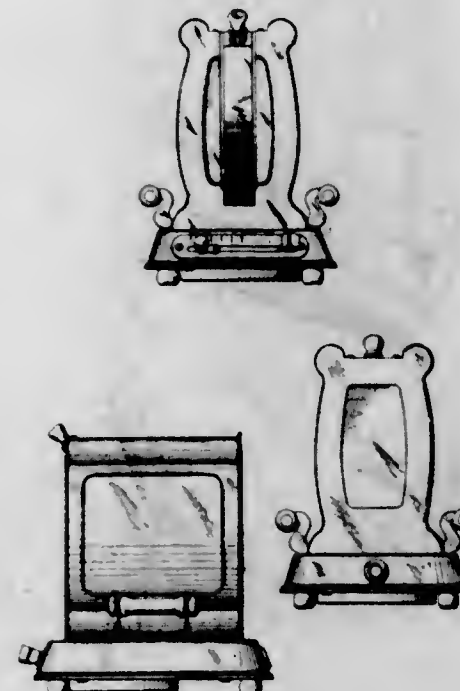
DECEMBER 10, 1929

80,070. SIGN BORDER. NELS BERGGREN, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill. Filed Mar. 21, 1929. Serial No. 30,576. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a sign border as shown.

80,071. TOASTER. MARTIN BERSTED, Oak Park, Ill. Filed Sept. 3, 1929. Serial No. 32,661. Term of patent 7 years.



The ornamental design for a toaster as shown.

80,072. TEXTILE FABRIC. LUCIEN BIVA, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed July 13, 1929. Serial No. 32,015. Term of patent $3\frac{1}{2}$ years.



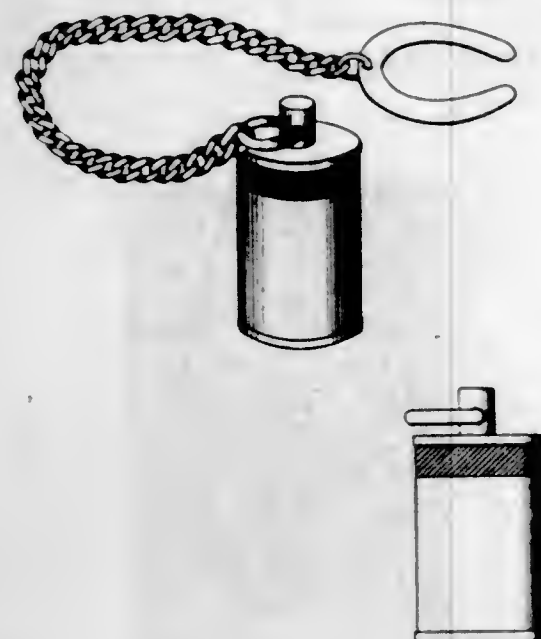
The ornamental design for a textile fabric substantially as shown and described.

80,073. TEXTILE FABRIC. LUCIEN BIVA, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed July 13, 1929. Serial No. 32,017. Term of patent $3\frac{1}{2}$ years.



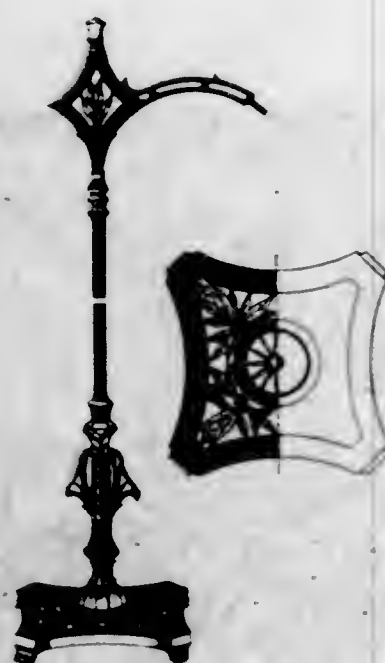
The ornamental design for a textile fabric substantially as shown and described.

80,074. KEY CHAIN. EARL F. CRAFT, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Sept. 21, 1927. Serial No. 23,484. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a key chain as shown.

80,075. FLOOR LAMP. JOSEPH DI SILVESTRO, Lancaster, Pa. Filed Sept. 24, 1929. Serial No. 32,850. Term of patent $3\frac{1}{2}$ years.



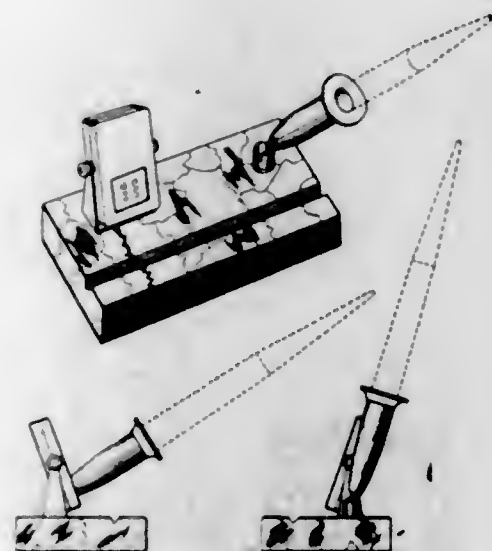
The ornamental design for a floor lamp, substantially as shown.

80,076. CHAIR. CHARLES PAUL EDWARDS, San Diego, Calif. Filed Sept. 5, 1929. Serial No. 32,668. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a chair, as shown.

80,077. COMBINED PENHOLDER AND CALENDAR. HOWARD L. FISCHER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Dec. 17, 1928. Serial No. 29,296. Term of patent 14 years.



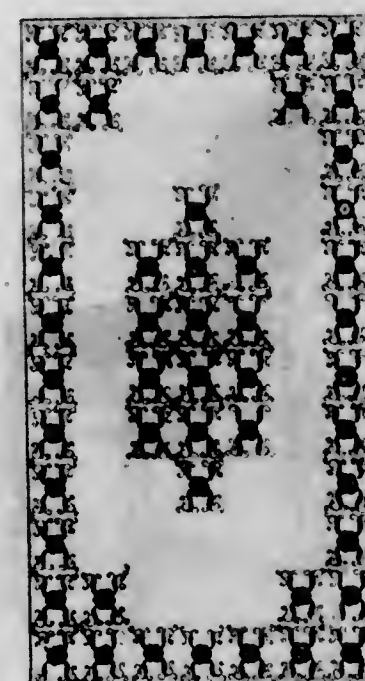
The ornamental design for a combined penholder and calendar as shown.

80,078. CASING FOR AN ICE-SHAVING MACHINE. ADOLPH ODDIE GOLDSTEIN, Santa Cruz, Calif., assignor to Sno-Ko Inc., Santa Cruz, Calif., a Corporation of California. Filed Aug. 2, 1929. Serial No. 32,278. Term of patent 14 years.



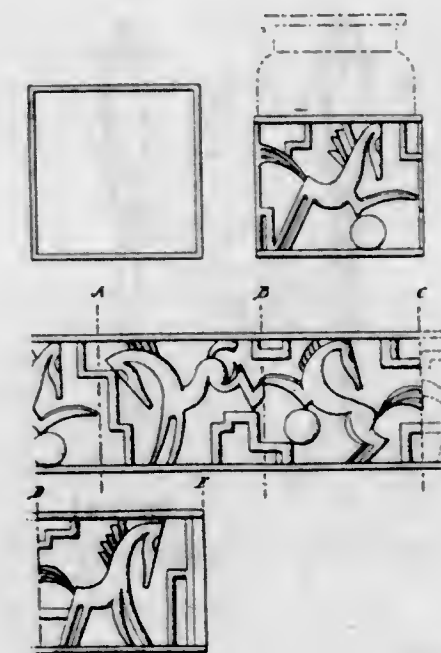
The ornamental design for a casing for an ice shaving machine substantially as shown.

80,079. TEXTILE FABRIC. LOUIS GOLDSTEIN, Union City, N. J. Filed Aug. 28, 1929. Serial No. 32,572. Term of patent $3\frac{1}{2}$ years.



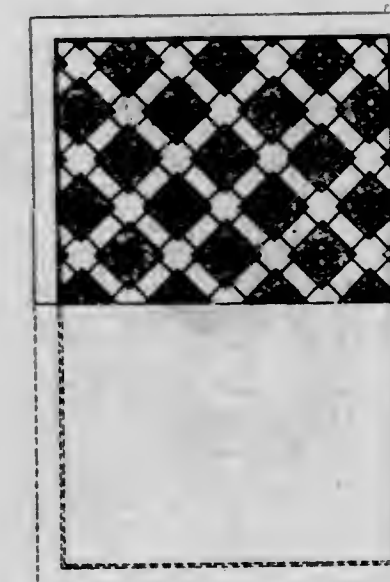
The ornamental design for a textile fabric as shown in the accompanying drawing.

80,080. HOLDER FOR A JAR OR SIMILAR ARTICLE. KARL HAGENAUER, Vienna, Austria. Filed Sept. 20, 1929. Serial No. 32,809. Term of patent $3\frac{1}{2}$ years.



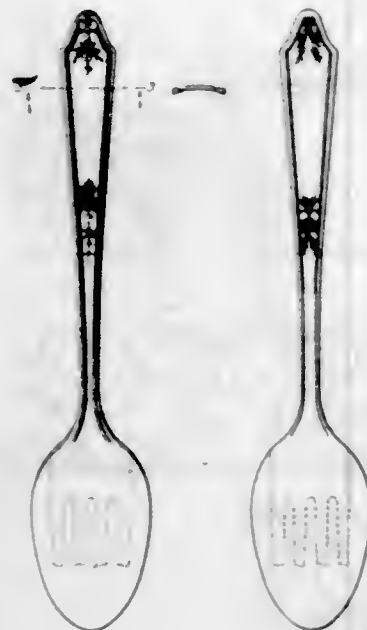
The ornamental design for a holder for a jar or similar article, as shown and described.

80,081. RUG. WILLIAM HENDERSON and JOHN J. HENDERSON, Philadelphia, Pa. Filed Apr. 1, 1929. Serial No. 30,714. Term of patent 7 years.



The ornamental design for a rug, as shown and described.

80,082. SPOON OR SIMILAR ARTICLE. EDWARD HOLMES, Glastonbury, Conn. Filed Sept. 16, 1929. Serial No. 32,768. Term of patent 7 years.



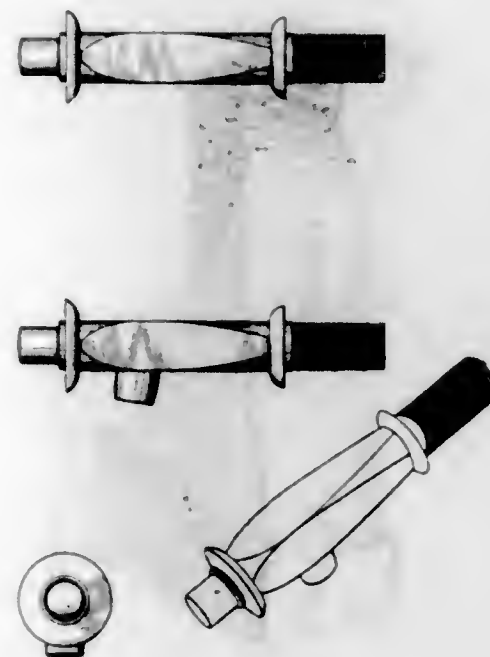
The ornamental design for a spoon or similar article, as shown.

80,083. LANTERN. WILLIAM T. KETTERING, Chicago, Ill., assignor to Friedley-Voshardt Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 20, 1929. Serial No. 30,146. Term of patent 3½ years.



The ornamental design for a lantern, as shown and described.

80,084. FAUCET. EVERETT L. MOORE, Los Angeles, Calif. Filed May 16, 1929. Serial No. 31,253. Term of patent 14 years.



The ornamental design for a faucet, as shown.

80,085. CHAIR. WILLIAM L. NEVIN, Philadelphia, Pa., assignor to John Wanamaker Philadelphia, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 8, 1929. Serial No. 32,977. Term of patent 14 years.



The ornamental design for a chair, substantially as shown.

80,086. COMBINED PHONOGRAPH AND RADIO RECEIVING SET CABINET OR SIMILAR ARTICLE. MARTIN NYSTROM, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 23, 1929. Serial No. 29,734. Term of patent 7 years.



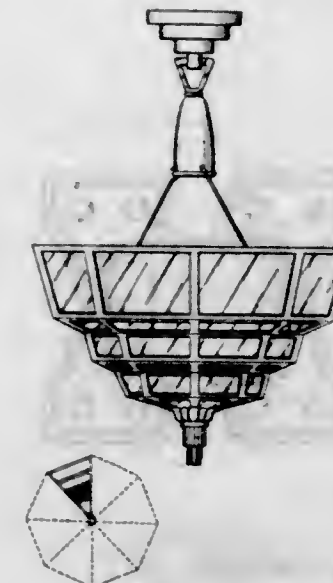
The ornamental design for a combined phonograph and radio receiving set cabinet or similar article, substantially as shown.

80,087. COMBINED PHONOGRAPH AND RADIO RECEIVING SET CABINET OR SIMILAR ARTICLE. MARTIN NYSTROM, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 23, 1929. Serial No. 29,735. Term of patent 7 years.



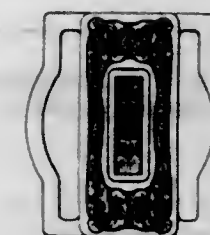
The ornamental design for a combined phonograph and radio receiving set cabinet, or similar article, substantially as shown.

80,088. LIGHTING FIXTURE. HERMAN PLAUT, New York, N. Y., assignor to L. Plaut & Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1929. Serial No. 32,320. Term of patent 7 years.



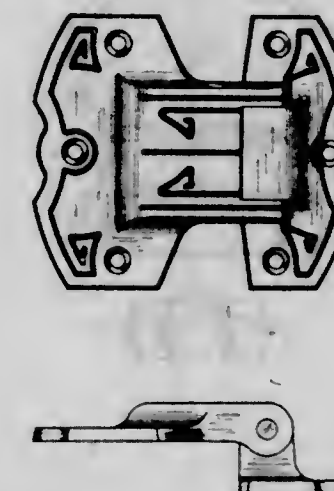
The ornamental design for a lighting fixture, as shown.

80,089. BELT BUCKLE. CURT RITTER, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Feb. 13, 1929. Serial No. 30,040. Term of patent 3½ years.



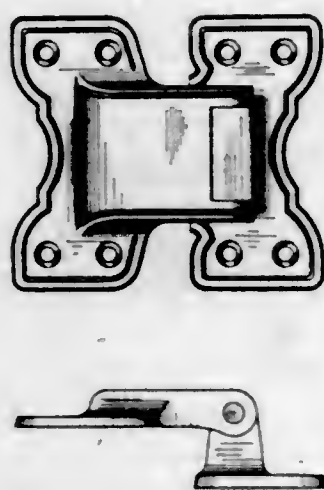
The ornamental design for a belt buckle, as shown.

80,090. HINGE. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 9, 1929. Serial No. 32,360. Term of patent 3½ years.



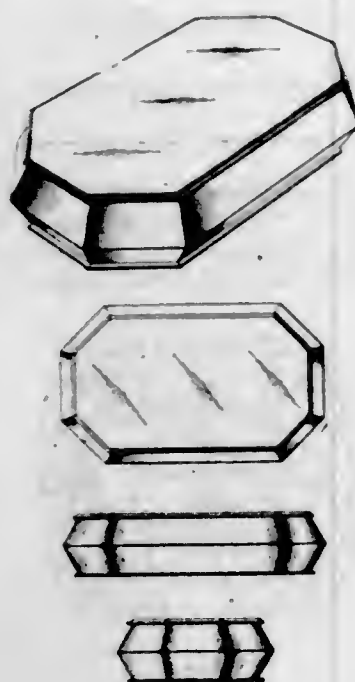
The ornamental design for a hinge substantially as shown.

80,091. HINGE. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 9, 1929. Serial No. 32,361. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a hinge substantially as shown.

80,092. BOX. FRANK J. SCHLEICHER, University City, Mo. Filed Mar. 29, 1929. Serial No. 30,663. Term of patent 14 years.



The ornamental design for a box, as shown.

80,093. WEBBING FOR SUSPENDERS, GARTERS, AND SIMILAR ARTICLES. AMY SHELDON, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed June 27, 1929. Serial No. 31,842. Term of patent $3\frac{1}{2}$ years.



The ornamental design for webbing for suspenders, garters and similar articles, as shown.

80,094. SHOE ORNAMENT. WALTER E. SMITH, Warwick Downs, R. I., assignor to C. G. King & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed July 24, 1929. Serial No. 32,185. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a shoe ornament substantially as shown.

80,095. END ORNAMENT FOR DRAPERY RODS OR THE LIKE. WALTER E. SMITH, Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I., a Corporation of Rhode Island. Filed July 10, 1929. Serial No. 31,987. Term of patent 7 years.



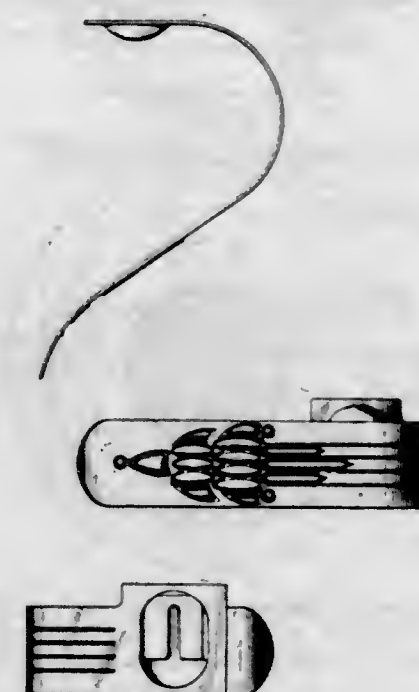
The ornamental design for an end ornament for drapery rods or the like, as shown.

80,096. SHOE ORNAMENT. WALTER E. SMITH, Warwick Downs, R. I., assignor to C. G. King & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 29, 1929. Serial No. 32,800. Term of patent $3\frac{1}{2}$ years.



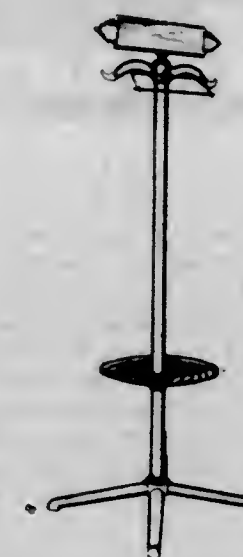
The ornamental design for a shoe ornament substantially as shown.

80,097. BRACKET FOR DRAPERIES. RUDOLF SOCKUP, Riverside, Ill. Filed June 7, 1929. Serial No. 31,593. Term of patent 7 years.



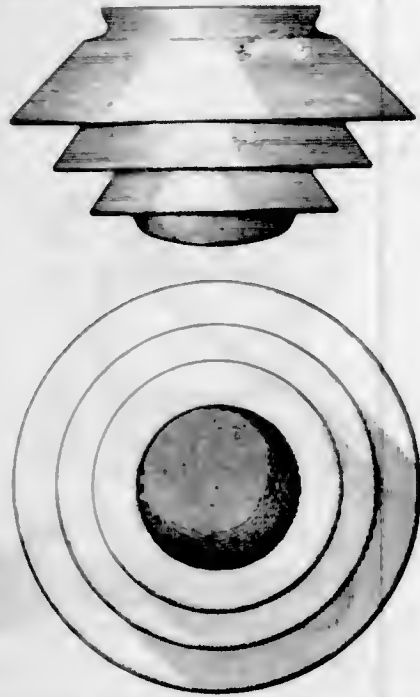
The ornamental design for a bracket for draperies as shown.

80,098. BANANA STAND. EMIL S. TECKTONIUS, Racine, Wis., assignor to E. C. Tecktonius Manufacturing Co., Racine, Wis., a Corporation of Wisconsin. Filed Aug. 12, 1929. Serial No. 32,389. Term of patent $3\frac{1}{2}$ years.



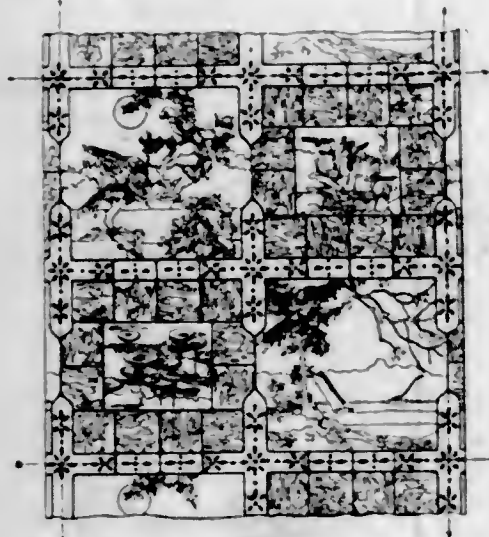
The ornamental design for a banana stand, as shown.

80,099. GLOBE. WALTER VON NESSEN, New York, N. Y., assignor to Efcelite Corporation, a Corporation of New York. Filed Oct. 5, 1929. Serial No. 32,952. Term of patent 7 years.



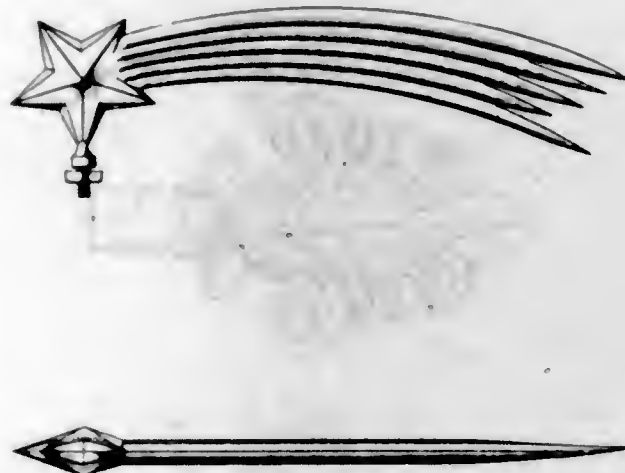
The ornamental design for a globe substantially as shown.

80,100. WALL PAPER. JOHN H. WHITWELL, Philadelphia, Pa. Filed June 21, 1929. Serial No. 31,794. Term of patent 3½ years.



The ornamental design for wall paper substantially as shown.

80,101. RADIATOR-CAP ORNAMENT. CLYDE V. WILSON, Santa Barbara, Calif. Filed Oct. 10, 1929. Serial No. 32,988. Term of patent 7 years.



The ornamental design for a radiator cap ornament, as shown.

80,102. ELECTRIC-LIGHT SOCKET. BERNARD F. MULDOON, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Filed Aug. 24, 1928. Serial No. 27,953. Term of patent 14 years.

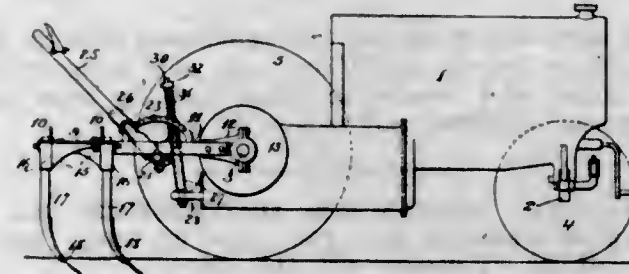


The ornamental design for an electric light socket, as shown.

PATENTS

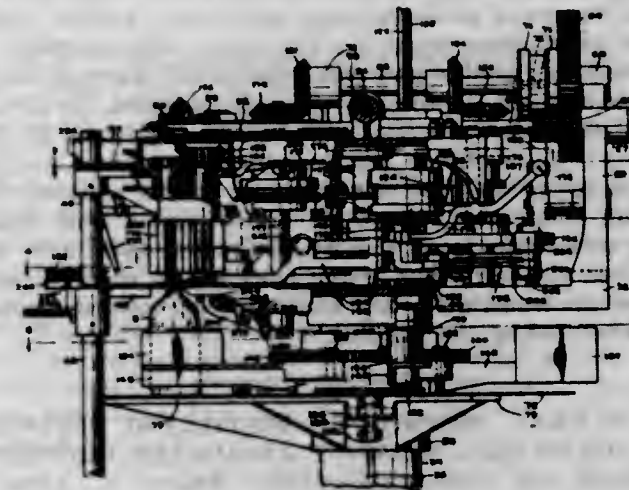
GRANTED DECEMBER 10, 1929

1,738,510. AGRICULTURAL IMPLEMENT. HERMAN E. ALTCELT, South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, a Corporation of Delaware. Original application filed June 17, 1927, Serial No. 199,535. Divided and this application filed Feb. 3, 1928. Serial No. 251,640. 6 Claims. (Cl. 97-47.)



1. The combination with a tractor, of a rear tool-carrying frame having pivotal connection with the tractor, and hand-operated means supported by said tool-carrying frame and connected with a fixed part of the tractor to exert pressure thereon for raising and lowering said tool-carrying frame.

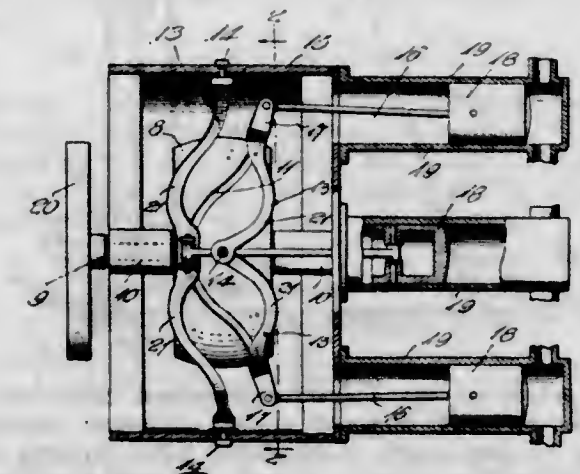
1,738,511. MACHINE FOR CLOSING SACKS. HELMER ANDERSON and FRANK O. LINDGREN, Minneapolis, Minn., assignors to Harding Machine Corporation, New York, N. Y. Filed Jan. 6, 1928. Serial No. 244,841. 20 Claims. (Cl. 226-57.)



1. In a machine for closing sacks, the combination of a driving shaft, sack-feeding-mechanism, a clutch through which said driving shaft drives said feeding mechanism, means normally holding said clutch in disengaged position, a trip device, connections between said trip device and said clutch adapted to bring the latter into engaged position when said trip device is engaged by a sack, tying mechanism including a cord knoter to which the sacks are fed by said feeding mechanism, and means for preventing engagement of said clutch while said tying mechanism is operating.

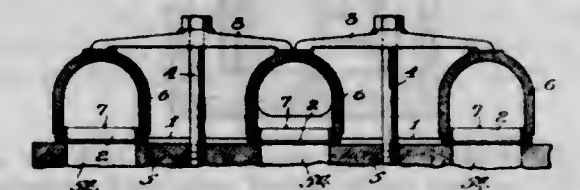
18. In a machine for closing sacks, the combination of a driving shaft, an inner knoter member, connections for rotating said member from said driving shaft, an annular knoter member slidably carried by said inner knoter member, cooperating projections carried by said knoter members for forming a knot, and mechanism for sliding said annular member to engage the free end of the cord and pull it tight at the end of the tying operation.

1,738,512. MECHANICAL MOVEMENT. ALBERT ANDREWS, Deadwood, S. Dak. Filed Dec. 9, 1927. Serial No. 238,918. 2 Claims. (Cl. 74-14.)



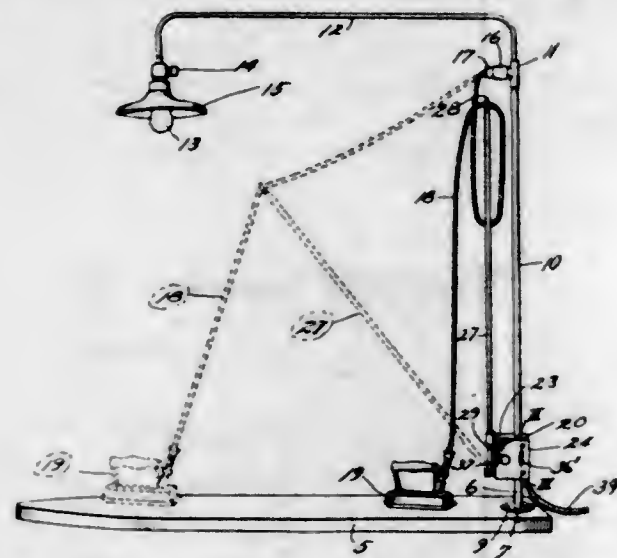
1. A mechanical movement comprising a rotatably mounted body having a continuous peripheral cam track which at all points is equidistant from a common center within said body and disposed at the axis of rotation of the latter; a plurality of shoes engaging said cam track and spaced apart about the periphery of said body, a plurality of independently movable U-shaped yokes straddling said body and having their intermediate portions connected with said shoes, pivots for the ends of said yokes, the pivots of each yoke being located on a line traversing the aforesaid common center and intersecting said axis of rotation; rigid supporting means carrying said pivots, and independent members connected to said intermediate portions of said yokes.

1,738,513. GASKET. CLAUDE B. BAILEY, Wyandotte, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed May 20, 1925. Serial No. 31,484. 1 Claim. (Cl. 288-1.)



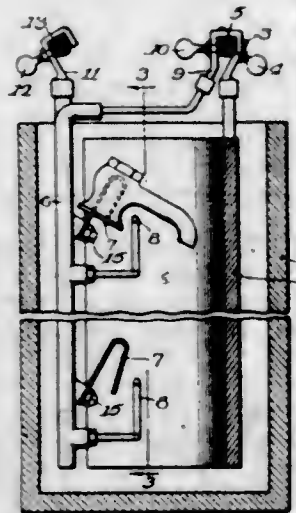
A manifold gasket, having an elongated body of a single layer of sheet metal with a plurality of port holes therein spaced apart lengthwise of the body layer, and a plurality of tubular guides carried by the body layer at the respective port holes, said guides each being made of a single piece of sheet metal separate from the body layer and folded to provide inner and outer annular portions which are integrally connected at the outer edge of the guide by the fold in the metal between them, said guides being applied to the respective port holes with the annular portions of the guides extending outward from one side of the body layer and with their inner annular portions extending through the port holes, said guides having outwardly projecting lateral flanges at the bases of their annular portions with said flanges engaging the opposite sides of the body layer about the port holes, the flanges on the side of the body layer opposite the guides being folded on themselves to provide a multiple thickness of metal for said flanges.

1,738,514. COMBINED LIGHT AND CORD HOLDING DEVICE FOR PRESSING BOARDS. THOMAS C. BALTHASER, Kansas City, Mo. Filed Feb. 27, 1928. Serial No. 257,198. 5 Claims. (Cl. 240-1.)



1. A device of the character described comprising a stand, a vertically disposed hollow standard rotatably mounted on said stand, a transverse light carrying arm carried by said standard, a switch box securely attached to said standard adjacent said stand and rotatable therewith, a cord carrying arm pivotally carried by said switch box and rotatable therewith.

1,738,515. ELECTROPLATING APPARATUS. WILLIAM E. BELKE, Chicago, Ill. Filed Mar. 31, 1927. Serial No. 179,837. 4 Claims. (Cl. 204-5.)

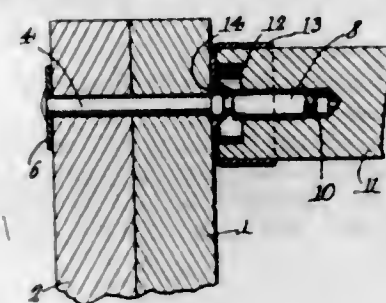


1. In electro-plating apparatus, a rigid rack for supporting the articles to be plated, said rack comprising a single spine having both cathode and anode terminals projecting therefrom in fixed relation, the cathode terminals adapted to support the articles to be plated, and the anode terminals being disposed in position to facilitate and insure the desired plating of said articles, whereby an anode terminal is allotted to each cathode terminal, together with means whereby the anode terminals are insulated from the cathode terminals, with a positive conductor in said spine for the anode terminals and a negative conductor in the spine for the cathode terminals, compelling the current to pass through the electrolyte solution from the anode terminals to the work held on the cathode terminals.

1,738,516. CLOTHES RACK. EDGAR J. BLOOM, Tiffin, Ohio. Filed Oct. 21, 1927. Serial No. 227,749. 8 Claims. (Cl. 211-179.)

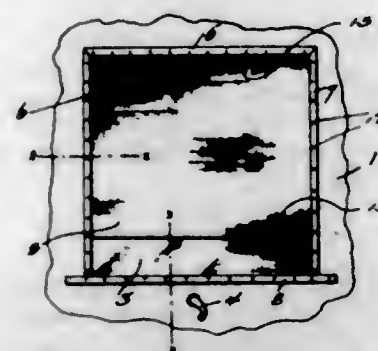
1. A collapsible knock-down rack including frame members each consisting of uprights and lazy tong connec-

tions between the uprights, pins extending through the side frames, certain of said pins constituting pivotal connections between the members of the frames, a dowel at one end of each pin, all of the pins and their dowels being



of the same size, cross rods having recessed ends for the reception of dowels, all of the cross rods being of the same length, and cooperating means upon the cross rods and dowels for locking said rods to the dowels.

1,738,517. SCREEN FOR AUTOMOBILES. IRA T. BORLAND, Granville, Ill. Filed June 22, 1927. Serial No. 200,622. 1 Claim. (Cl. 156-14.)



An attachment for automobile windows of the type having resilient padding for the window pane, comprising a screen closure of about the same size as the window opening, a combination frame for the screen and molding for the window, the side and end rails of the frame forming the side and end moldings for the window when the screen is set up, and the screen attached to the edges of the molding; the molding being removably secured to the window frame with the edge portions thereof abutting the padding about the window pane, the screen and frame being removable from the window as a unit, and the attaching means for the screen engaging in the edge portions of the frame with their heads directed toward, against and concealed by the padding.

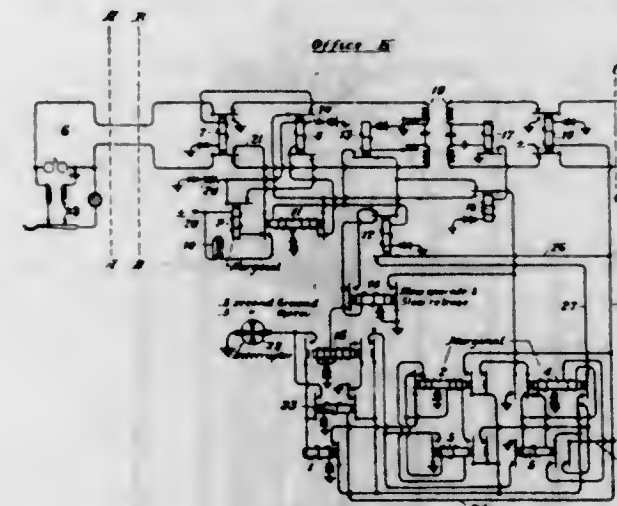
1,738,518. METHOD OF DISTILLING REFINED, CRACKED OILS WITHOUT AVOIDABLE DECOMPOSITION OR DISCOLORATION. FRANK C. AXTELL, South Pasadena, Calif., assignor to Axtell Research Laboratories, Inc., Los Angeles, Calif., a Corporation of California. Filed Feb. 8, 1927. Serial No. 106,817. 4 Claims. (Cl. 196-35.)

1. In the production of light hydrocarbon oils from cracked distillates, the method of obtaining a separation subsequent to an acid treatment and a neutralization which comprises: executing a distillation in the presence of a stabilizing agent, said stabilizing agent consisting solely of an alkali metal salt of a volatile, non-polymerizing non-oxidizing acid of which the anhydride is volatile.

1,738,519. SIGNALING SYSTEM FOR SUBSCRIBERS' TELEPHONE CIRCUITS. HENRY H. ABBOTT, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 23, 1928. Serial No. 264,006. 12 Claims. (Cl. 179-84.)

7. In a telephone system in combination, a telephone circuit extending from a first to a second point, signaling

means under control of a relay associated with said telephone circuit at the first point and adapted upon operation of said relay to transmit ringing current from the first to the second point over said telephone circuit for a definite interval of time, and upon the subsequent release of said relay to similarly transmit ringing current from the first to the second point for a definite interval of time



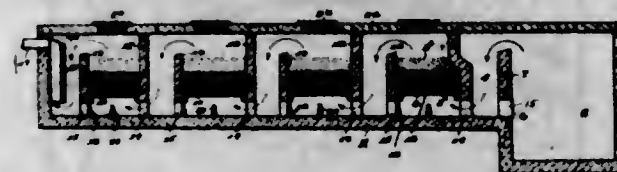
different from that first mentioned, signaling means associated with said telephone circuit at the second point, said signaling means being adapted to receive and interpret the pulses of ringing current transmitted from the first point and to produce a distinct and unique operation of the signaling means at said second point in accordance with the length of the ringing pulse received.

1,738,520. PAPER-DRYING MACHINERY. WARREN E. BEADLE, Port Arthur, Ontario, Canada. Filed Apr. 11, 1928. Serial No. 269,251. 2 Claims. (Cl. 34-48.)



1. A paper-drying device comprising a table-frame, said frame having cross-beams, said cross beams laterally extending beyond one side of said frame; pillars supporting said frame, said pillars being disposed at intervals beneath the side of said frame, said pillars at said one side of said frame, pivotally bearing said cross-beams in a manner that such beams are rockable thereon rendering said table frame hingeable; and a mesh-screen conveyor disposed over and around said table frame as and for the purpose specified.

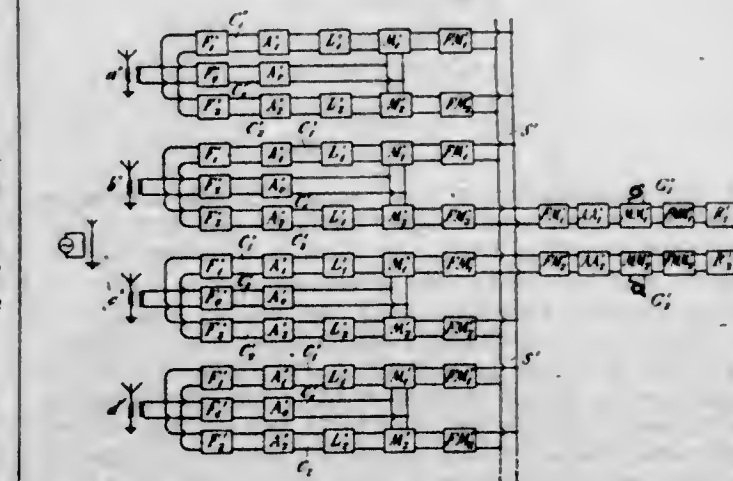
1,738,521. SEPTIC SEWAGE-DISPOSAL PLANT. LUTHER JAMES BOMHOFF, Girard, Kans., assignor of one-half to Marlon G. Slawson, Girard, Kans. Filed Mar. 20, 1928. Serial No. 263,091. 2 Claims. (Cl. 210-6.)



1. A device of the character described, comprising a receiving and settling compartment and an intake discharging thereinto, an elongated tank, the rear wall of the receiving and settling compartment terminating short of the top of said tank to permit the contents of said compartment to overflow into said elongated tank, a plurality of filtering elements arranged in series in said elongated tank, each comprising a front wall which extends to the

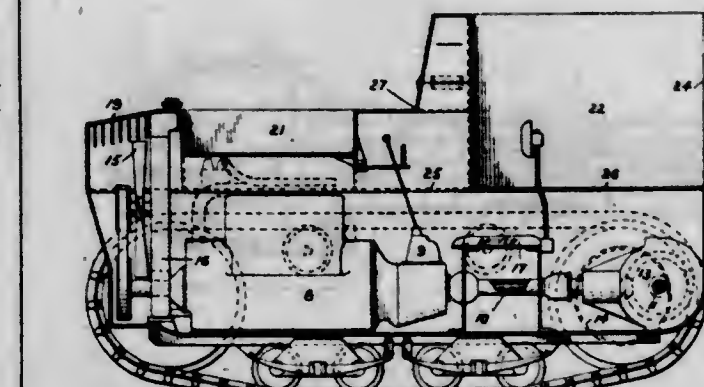
top of the tank, and a rear wall which terminates short of the top of the tank, with openings leading through the lower portion of the front walls, grate bars spanning the space between the front and rear walls of each filter element above the level of said openings, filter beds of granular material supported upon said grate bars, and there being openings formed through the rear walls of the filtering elements beneath the level of said grate bars, and forwardly opening doors controlling said openings, and clean-out doors at the sides of the said filter elements comprising door frames and door, and removable bars inwardly of said doors which span the opening of the door frame.

1,738,522. ELECTROMAGNETIC WAVE SIGNALING SYSTEM. GEORGE A. CAMPBELL, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 30, 1919. Serial No. 327,553. 33 Claims. (Cl. 250-11.)



30. A method of receiving wireless signals which consists in combining a slightly different heterodyne frequency with the signals so as to produce a beat current, superimposing on the beat current another current of the same frequency, and adjusting the phase of the heterodyne or of the signals to adjust the phase of the beat current to a desired phase relative to the other current.

1,738,523. VEHICLE. LEVIN H. CAMPBELL, Jr., New York, N. Y., and HARRY A. KNOX, Davenport, Iowa, assignors to Secretary of War of the United States of America. Filed Sept. 9, 1929. Serial No. 391,353. 4 Claims. (Cl. 180-9.1.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



4. A vehicle including a main body, a track laying unit at each side thereof, a track driving power unit and control unit within the main body, a cover over the power unit and track-laying units forming a cargo compartment, a passenger compartment established in the rear of the main body and having walls rising above the cargo compartment.

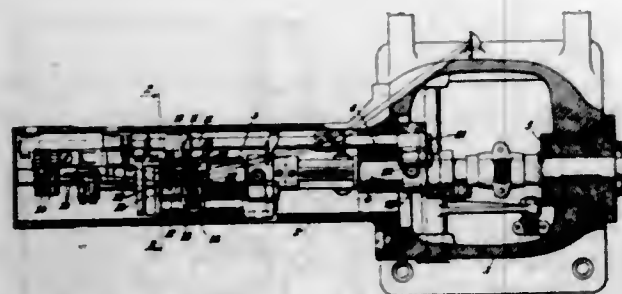
ment, side seats in the passenger compartment continuous with the floor of the cargo compartment, a conning tower in the front walls of the passenger compartment, and a door for the passenger compartment.

1,738,524. DEVICE FOR LOCKING EVACUATED TUBES. HARRY J. CHRISTOPHER, Westfield, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 17, 1924. Serial No. 756,596. 2 Claims. (Cl. 173-56.)



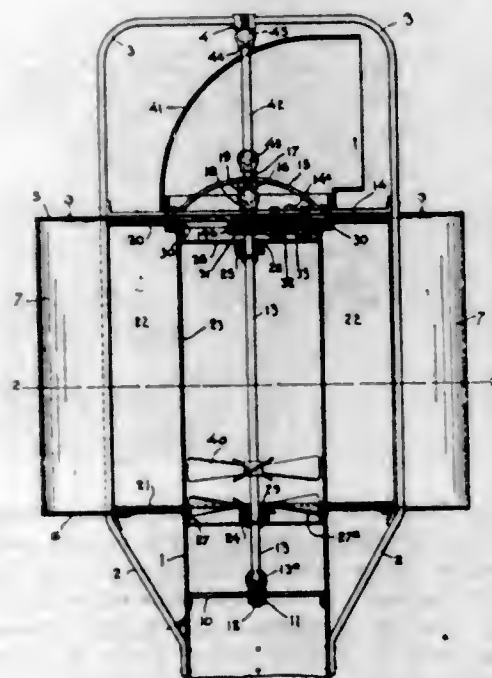
1. The combination of an evacuated tube having a projection thereon and a socket having a slot with a vertical portion and a horizontal portion provided therein whereby said tube and socket may be coupled in a bayonet joint connection, a flexible collar surrounding said socket, the ends of said collar being adapted to be locked together, and a pair of closely associated parallel studs of different length carried on the interior of the collar which engage the horizontal portion of said slot to lock the tube in the socket when the collar is in contracted position, the shorter of said studs engaging with the socket in the expanded position of the collar to cause its associated stud to be displaced from the slot upon the rotation of the collar to permit the release of the tube from the socket.

1,738,525. LOOPER-THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES. ANDREW B. CLAYTON, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Original application filed Jan. 28, 1928, Serial No. 250,111. Divided and this application filed Oct. 12, 1928. Serial No. 312,012. 4 Claims. (Cl. 112-241.)



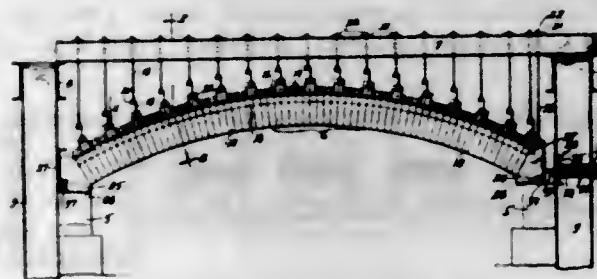
1. The combination with a sewing machine having a cylinder-bed, a reciprocating needle, and a thread-carrying looper, of a looper-thread controller including a crank-operated take-up lever and anchor-link housed entirely within said cylinder-bed and constructed to take-up and pay out looper-thread in timed relation with the retraction and advance of the looper.

1,738,526. WIND MOTOR AND VENTILATOR. HENRY DIEBEL, Detroit, Mich., assignor to Howle Company, Inc., Detroit, Mich., a Corporation of Michigan. Filed Mar. 21, 1928. Serial No. 263,237. 3 Claims. (Cl. 98-72.)



1. A wind driven ventilating apparatus comprising in combination, a vent pipe, a wind motor mounted on the vent pipe, a shaft supported by the vent pipe substantially on the axial center thereof and supporting the wind motor, a conduit through the wind motor which is in substantial alignment with the vent pipe, reduction gearing between the wind motor and the shaft for rotating the vent fan at a speed greater than that of the wind motor, and a fan embodied directly in the wind motor positioned in the air conduit for aiding the ventilating fan on the shaft to set up air currents through the conduit.

1,738,527. FURNACE ARCH. BRADLEY DOBIE, Chicago, Ill., assignor to American Arch Company, a Corporation of Delaware. Filed Aug. 18, 1924. Serial No. 732,631. 4 Claims. (Cl. 110-99.)



1. The combination with a suspended furnace arch, of a hanging skew brick backing member and adjustable lateral sustaining means therefor.

1,738,528. ELECTROMAGNET. ROBERT ROWAN DUNLOP, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Jan. 26, 1924. Serial No. 688,854. 16 Claims. (Cl. 175-21.)



16. An electrical device comprising a metal tube having a spiral slot formed in its wall throughout its major middle portion and terminating short of the ends thereof to provide a helical conductor with unslotted end portions, and supports extending axially into said unslotted ends and establishing an electrical connection therewith.

1,738,529. RESISTANCE UNIT. ROBERT R. DUNLOP, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 8, 1924. Serial No. 697,796. 4 Claims. (Cl. 201-63.)



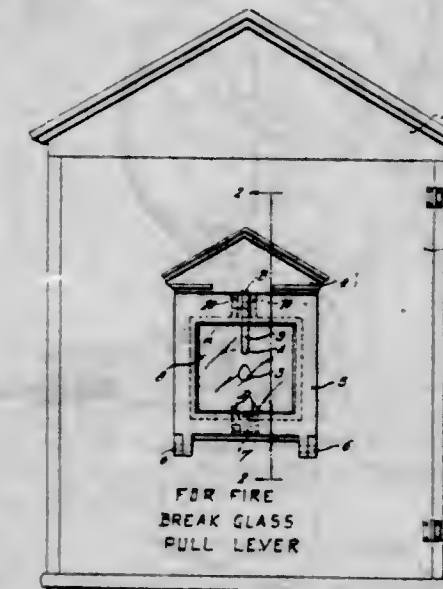
1. In a resistance unit, the combination of a frame, insulating blocks arranged along outer substantially parallel edges of said frame, a resistance wire wound about said frame in contact with said blocks and tending to retain the latter against the edges of the frame, and interconnecting tension means other than the resistance wire between opposite blocks for positively holding the latter against the frame edges.

1,738,530. PREPARATION OF PHOTOSENSITIVE PHOTOGRAPHIC EMULSIONS. WALTER FRANKENBURGER and GEORG ROESSLER, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Agfa Anseo Corporation, Binghamton, N. Y., a Corporation of New York. Filed Aug. 11, 1928, Serial No. 299,115, and in Germany Aug. 19, 1927. 19 Claims. (Cl. 95-7.)

1. The process of producing photosensitive emulsions comprising a mercury salt selected from the group consisting of mercuric oxalate and its complex amine compounds, which comprises incorporating a sensitizing agent with the emulsion at any stage of preparing the latter.

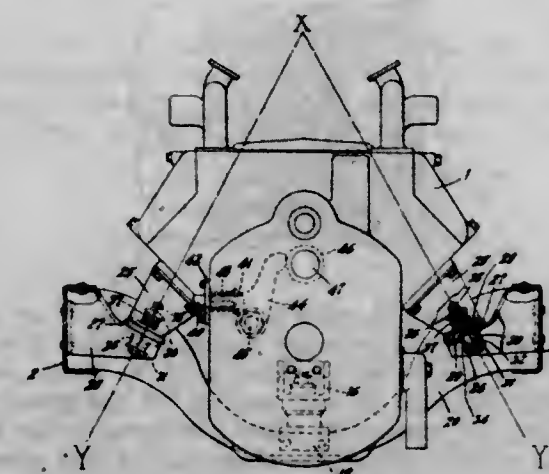
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1,738,531. KEY AND LEVER GUARD FOR FIRE-ALARM BOXES. MICHAEL J. GRACE, Charleston, S. C., assignor, by mesne assignments, to The Gamewell Company, Newton Upper Falls, Mass., a Corporation of Massachusetts. Filed June 30, 1924, Serial No. 723,418. Renewed Mar. 30, 1929. 10 Claims. (Cl. 177-372.)



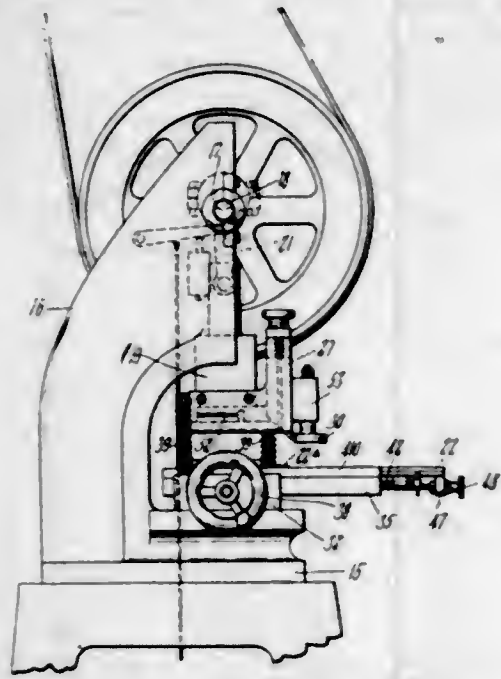
1. A key or lever guard for fire alarm boxes including a movable cover member to be positioned before said key or lever and normally biased to move to opened position, means for holding said cover in closed position before said key or lever and for releasing said cover upon pressure against a portion of the cover in a direction opposite to the normal opening movement of the cover.

1,738,532. ENGINE MOUNTING. ALBERT STANLEY HARBOR, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 23, 1928. Serial No. 321,312. 15 Claims. (Cl. 180-64.)



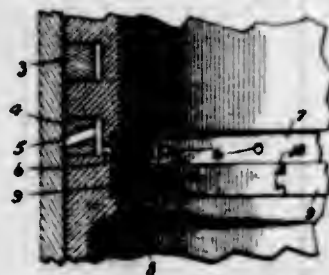
1. Means for resiliently mounting an engine, or the like, that has an inherent lateral vibration set up by the unbalance of its moving parts and oscillating about a neutral axis extending longitudinally of the engine, including in combination with such an engine, of a support on which the engine rests, and a pad of cushioning material interposed between adjacent faces of the engine and support, such adjacent faces being arcuate in shape, and the center of the arcs being substantially on said neutral axis of oscillation.

1,738,533. HEEL BREASTING AND PRESSING MACHINE. BENJAMIN F. HARTWELL, Winchester, Mass. Filed Jan. 29, 1929. Serial No. 335,952. 9 Claims. (Cl. 12-17.)



1. A breasting and pressing machine adapted to act on an incomplete shoe bottom composed of a full length rubber sole and a beveled rubber heel united thereto, said machine comprising an unyieldingly supported pressing bed, formed to support the heel, a carrier movable toward and from the pressing bed, means for reciprocating the carrier, and pressing members movable by the carrier and including a platen member adapted to press the heel end of the sole against the bed-supported heel, and a breasting member having a beveled-acting face adapted to press a transverse portion of the sole against the beveled portion of the bed-supported heel, to form the external face of a spring-heel breast.

1,738,534. OIL-CONSERVING PISTON. CHARLES E. JOHNSON, Muskegon, Mich. Filed Feb. 19, 1929. Serial No. 341,103. 6 Claims. (Cl. 74-108.)



1. A piston provided with a groove around the same and a plurality of oil drainage passages leading from the bottom of the groove to the interior of the piston, and a ring loosely mounted at the interior of the piston and movable between upper and lower positions, in the upper position of which it covers the inner ends of said passages.

1,738,535. SERVICE TRAY FOR SODA FOUNTAINS AND THE LIKE. JAMES M. MCGINLEY, Fort Worth, Tex., assignor, by direct and mesne assignments, of twenty-seven-and-one-half one-hundredths to W. L. McGinley, San Antonio, Tex., and seventy-two-and-one-half one-hundredths to Tray Service Company, Dallas, Tex., a Corporation of Texas. Filed June 26, 1923, Serial No. 647,833. Renewed Apr. 25, 1929. 2 Claims. (Cl. 45-51.)

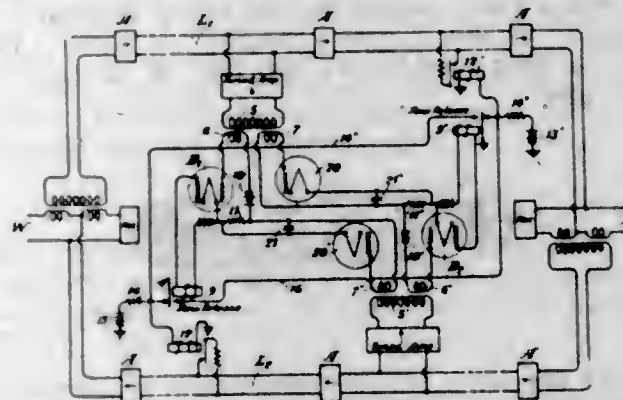
1. A service tray for application to the upper edge of a vehicle body comprising a tray having supporting feet

on its under side, a transverse rib arranged across the under side of the tray in spaced relation to the feet at the inner side thereof for receiving the upper edge of the vehicle body between the rib and the inner feet and hold the tray from sliding in the vehicle body, an elongated sleeve hinged to the outer portion of the tray, a slidable



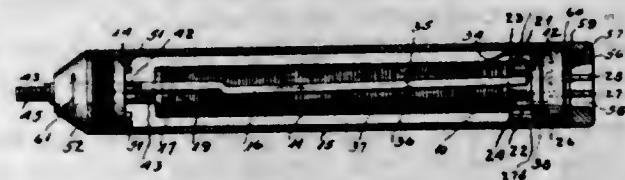
leg extending entirely through the sleeve and having a finger-piece on its upper end for moving the leg through the sleeve and thereby engaging the lower end of the leg with the running-board of the vehicle, and a manually operable latch carried by the sleeve for interlocking engagement with the leg when adjusted and releasable from the exterior of the sleeve near the upper end thereof.

1,738,536. ECHO SUPPRESSOR. DOREN MITCHELL, New York, and HAROLD C. SILENT, Larchmont, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 23, 1928. Serial No. 301,660. 13 Claims. (Cl. 178-44.)



10. In a four-wire signaling system subject to noise disturbances and provided with echo suppressors, the method which permits operation at a maximum sensitivity of the echo suppressors, which consists in causing each suppressor to react on the other and reduce the loss in one line and increase the loss in the other.

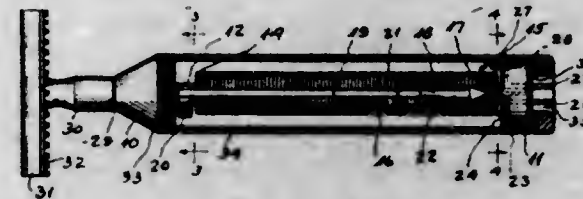
1,738,537. ELECTRIC SAFETY RAZOR. SAMPSON W. MOON, Chicago, Ill. Filed Jan. 12, 1928. Serial No. 246,115. 6 Claims. (Cl. 172-126.)



1. In an electric safety razor, the combination of end plates, an electromagnet core secured to and extending

between said plates, an armature bar parallel with said core, a spring anchored to one of said plates and secured to one end of the armature bar to support said bar for vibration, said bar at its other end having a deflection extending transversely of the adjacent core end and being curved to fit the core end curvature when said core is energized, and a tool supporting post extending from the spring supported end of said bar to partake of the bar vibration.

1,738,538. ELECTRIC VIBRATORY DEVICE. SAMPSON W. MOON, Chicago, Ill. Filed Mar. 19, 1928. Serial No. 262,686. 6 Claims. (Cl. 172-126.)



2. In a device of the class described, the combination of a grip frame, electromagnet mechanism within said frame having a freely impactless vibrating armature, and means for securing a tool to the head of said frame.

1,738,539. COMPARTMENTAL SERVICE DOOR. FRANK J. MOSS, Kansas City, Mo. Filed July 20, 1928. Serial No. 294,280. 12 Claims. (Cl. 282-1.)



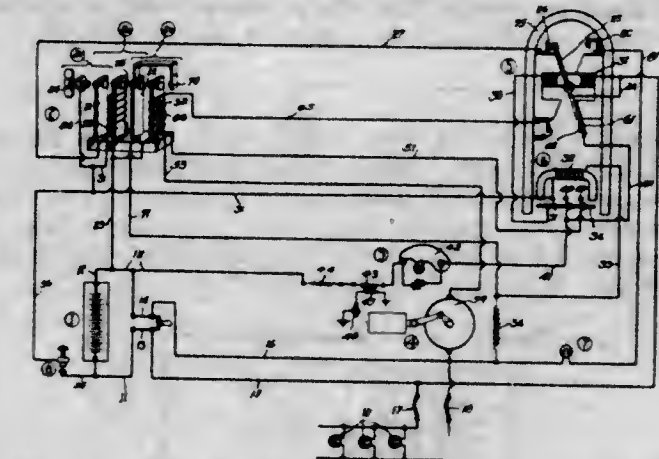
1. In a cabinet, a frame, having door openings in its opposite sides, doors for closing the openings and a guard panel movable across one of the openings.

1,738,540. SYSTEM OF GENERATING AND STORING ELECTRICITY. JAMES B. RAPLOOL and JOHN M. LEA, Detroit, Mich., assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed May 19, 1919. Serial No. 298,160. 33 Claims. (Cl. 290-80.)

1. An electrical system comprising a battery, a current source adapted to charge the same, means for establishing an electrical connection between the current source and the battery, and means for controlling said electrical connection, said means including a thermostatic member, a pair of contacts cooperating therewith and compensating means for preventing movement of said contacts relative to one another with variation of the environment temperature.

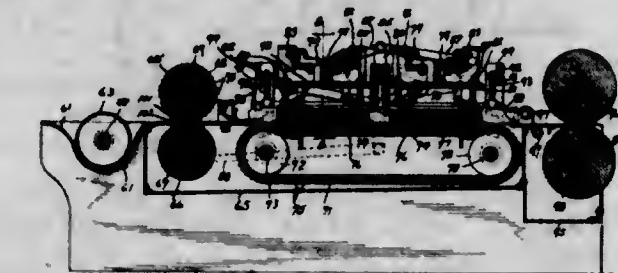
18. In combination with an electric motor having a field circuit and an armature circuit, means for establish-

ing the field circuit, means controlled by the field circuit for establishing the armature circuit, and means for interrupting the field circuit in the event the armature circuit is not established within a proper time.



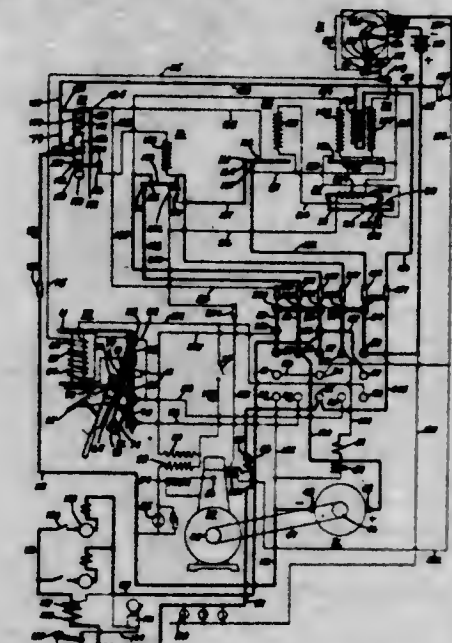
16. An electricity distributing system comprising a main circuit, a cut-out for the main circuit, a control circuit for the cut-out, a polarized relay operatively connected to one of said circuits and associated with said cut-out to operate as a magnetic blow-out for the arc formed at the latter.

1,738,541. CARPET-CLEANING MACHINE. PASCAL J. SHAMPAY, Chicago, Ill. Filed Oct. 21, 1922. Serial No. 595,951. 21 Claims. (Cl. 15-40.)



14. A carpet cleaning machine comprising an endless table, a plurality of spaced plates standing edgewise to and above said table, brushes between said plates adapted for movement longitudinally of the plates over said table, and means for feeding soap and other cleaning agents to the top of a carpet, and means for rinsing a carpet after the latter has left said brushes and table.

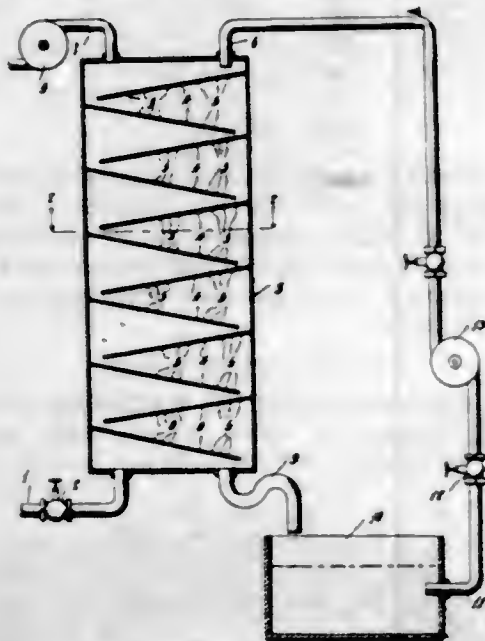
1,738,542. ELECTRICAL APPARATUS. FRANK F. STARR, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 31, 1924. Serial No. 689,602. 7 Claims. (Cl. 290-80.)



1. Electrical generating apparatus comprising in combination, a prime mover; a generator driven by the prime

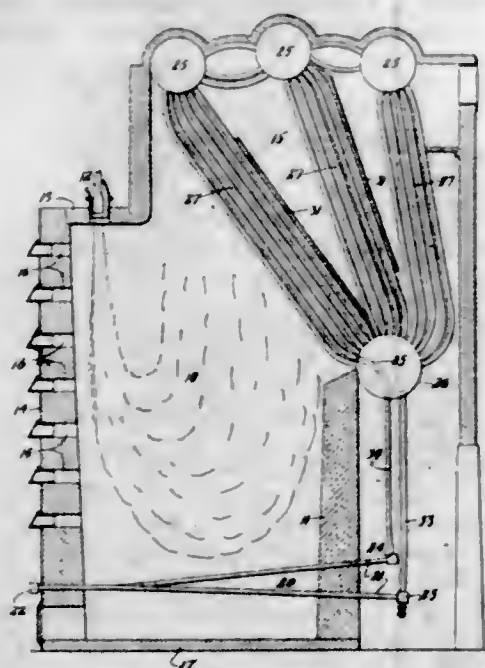
mover; a control system having means for starting the prime mover; a second control system having means for starting the prime mover; means common to both control systems for stopping the prime mover upon satisfaction of demand for energy from the generator; and means for selectively rendering either system of control operable.

1,738,543. PROCESS FOR REMOVING ODORS FROM GASES AND AIR. JOHN T. TRAVERS, Columbus, Ohio, assignor, by direct and mesne assignments, to The Travers-Lewis Process Corporation, Columbus, Ohio, a Corporation of Ohio. Filed May 18, 1928. Serial No. 278,823. 4 Claims. (Cl. 23-4.)



1. A process for the removal from air and gases of the foul odors of indole, scatole, putrescine, cadaverine and mercaptans present in the air or gas either individually or collectively, comprising passing the contaminated air or gas in physical contact with a treating composition characterized by its content of a suspension of a suitably concentrated marl.

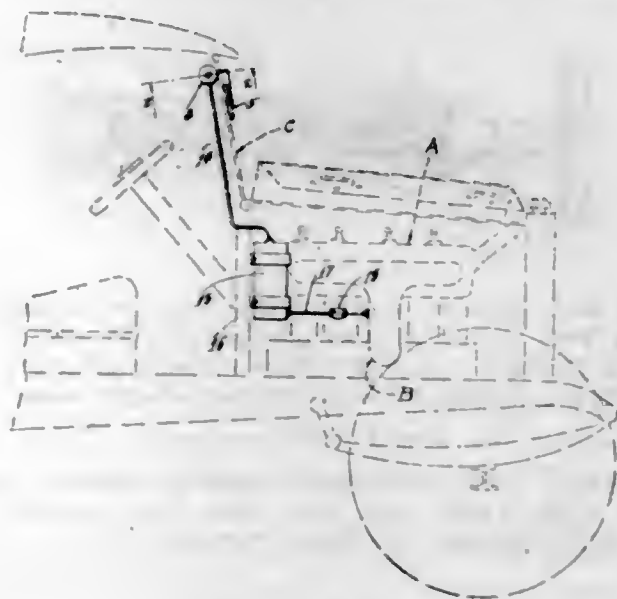
1,738,544. WATER-SCREEN CONNECTION. JOHN VAN BAUNT and GEORGE P. JACKSON, Flushing, N. Y., assignors to Combustion Engineering Corporation, a Corporation of New York. Filed Aug. 1, 1923. Serial No. 655,008. 12 Claims. (Cl. 122-235.)



1. The combination of a furnace and its bridge wall with a water tube boiler having a lower water chamber

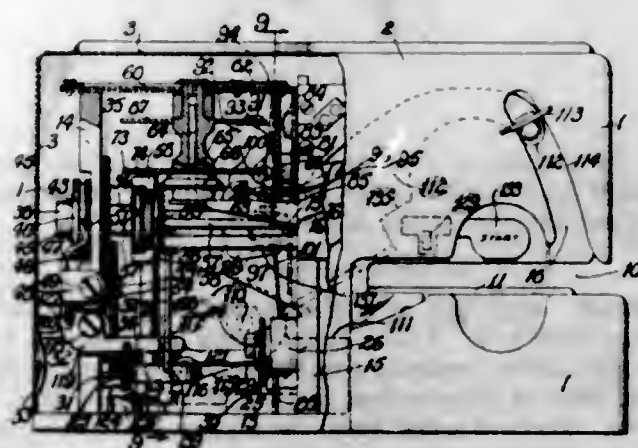
behind said bridge wall and risers from said water chamber, headers behind said bridge wall with tubes connected between them for circulation of water and exposed in front of said bridge wall, downtake connection from a water space of the boiler to one of said headers, and a discharge connection from the other header through said water chamber delivering to one of said risers.

1,738,545. WINDSHIELD WIPER. KARL ALBERT WEBER, Los Angeles, Calif. Filed Jan. 16, 1929. Serial No. 332,908. 1 Claim. (Cl. 15-253.)



A windshield wiping apparatus comprising a tank, a pipe line for connecting the tank with the intake manifold of an internal combustion engine, a check valve in said pipe line opening in a direction away from the tank, a differential pressure-operated motor, a wiper member operably connected with said motor, and a pipe line connecting the tank with the motor.

1,738,546. FABRIC-MEASURING AND COST-COMPUTING MACHINE. JOHN L. WHEELER, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed July 30, 1923. Serial No. 654,631. 12 Claims. (Cl. 23-133.)

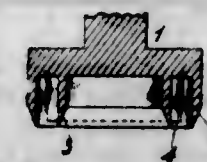


1. In a fabric measuring machine, in combination with a measurement indicator and spring-resisted mechanism for operating the same, a clutch being included in said mechanism, means for opening said clutch to permit the spring to return the indicator to zero, automatic means cooperating with the clutch opening means to hold the clutch open until the indicator has returned to the zero position, a

pivotaly mounted knife for slitting the fabric at the end of a measuring operation, and means on said knife for releasing the said holding means when the knife is actuated.

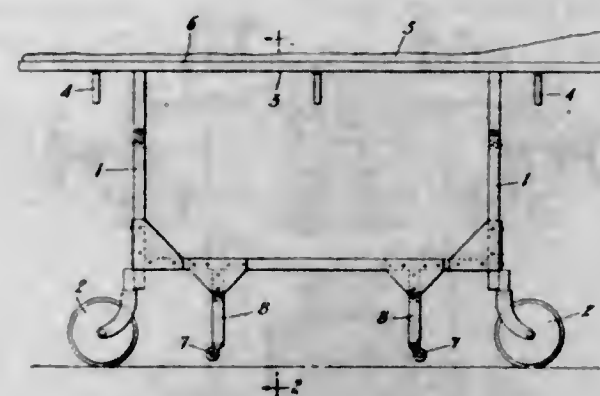
12. In a fabric measuring machine having a measuring roller, a measurement indicator, mechanism for operating the same from said measuring roller and mechanism for resetting the indicator to zero, a member adapted to prevent further movement of the measuring mechanism at the termination of a given length of measurement, a member adapted to arrest further movement of the mechanism when the indicator has been returned to the zero position, a lead screw rotated from said operating mechanism in the operation of the machine, a follower block mounted thereon and movable thereby in one direction in the measuring operation, and in the opposite direction in the resetting operation, a slidably mounted bar, stops on said bar at opposite sides of said follower block and adapted to be engaged thereby at the termination of its movement in either direction to move said bar in one direction or the other, and means associated with said bar and adapted to be actuated thereby to operate the one or the other of said members to stop the machine, according to whether the end of a given length of measurement has been reached, or the indicator has reached the zero position in the resetting operation.

1,738,547. DIE FOR FORMING WASHERS. CLAUDE E. WHITE, Oakland, Calif., assignor, by mesne assignments, to Gat Gun Lubricating Corporation, Oakland, Calif., a Corporation of California. Filed July 5, 1924. Serial No. 724,299. 1 Claim. (Cl. 164-32.)



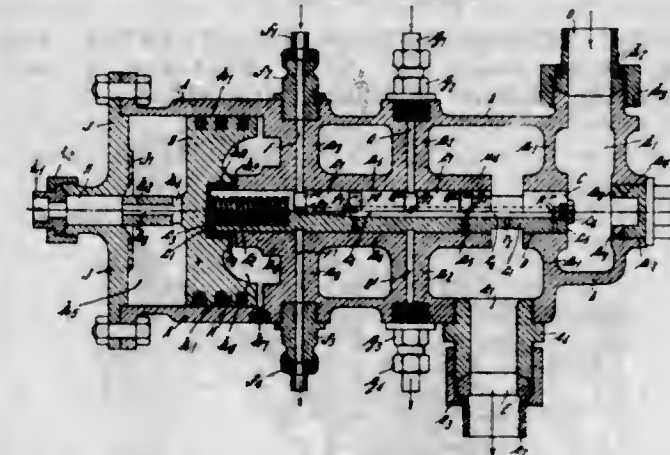
A die for making washers comprising three concentric circular blades, the edges of two of said blades being in the same plane, the edge of the intermediate one of said blades being in a plane below the plane of the edges of the other two blades.

1,738,548. HOSPITAL ROLLING COT. JOSEPH WHITE, Jersey City, N. J. Filed Dec. 19, 1927. Serial No. 241,024. 3 Claims. (Cl. 296-20.)



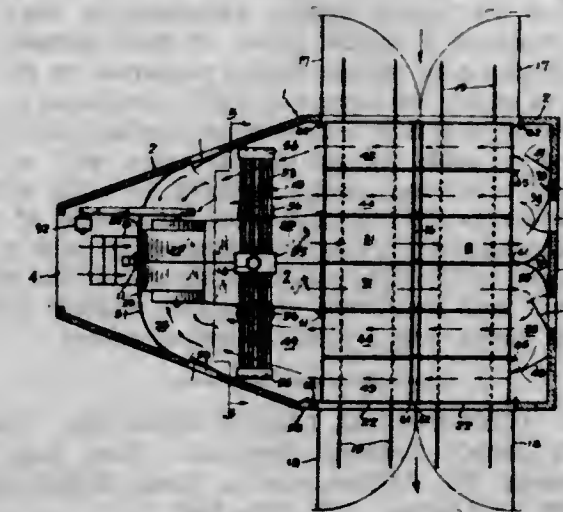
1. A hospital rolling cot comprising a frame, mountings at each corner of the frame offset from said frame to rotatably retain castor wheels, auxiliary legs secured to the bottom of said frame on each side thereof behind the front mountings and in front of the rear mountings, and castor wheels for said corner mountings and for said auxiliary legs, said auxiliary legs of such length as to normally maintain said casters secured thereto from contact with the floor.

1,738,549. AUTOMATIC APPARATUS FOR SUPPLYING STEAM AND LUBRICANT TO ENGINE CYLINDERS. ROBERT WOOD, Garwick, Isle of Man. Filed Aug. 27, 1926, Serial No. 131,970, and in Great Britain Sept. 9, 1925. 14 Claims. (Cl. 121-137.)



1. In a device of the character described; a casing; an inlet chamber attached to the casing and communicating with a steam supply which is not cut off upon the closing of the valve controlling the steam supply to the engine to which the device is fitted; an outlet chamber attached to the casing and communicating with the engine cylinder; an opening formed in the wall between these two chambers; a valve to close the said opening, the end face of the valve being exposed to the pressure in the supply chamber; a control cylinder attached to the casing and connected at one end to the engine cylinder, and at the other end to a source of pressure less than the engine supply pressure; a central boss carried by the casing and provided with a bore connecting the control cylinder to the outlet chamber; a spindle actuating the valve and fitting in the said bore; a control piston in the control cylinder which piston, when the engine pressure on it exceeds a predetermined limit makes its working stroke and acting through the said spindle closes the valve in opposition to the pressure in the supply chamber, the pressure in the supply chamber acting on the valve, causing the valve to open and the control piston to make its return stroke when the engine pressure on the control piston falls below the said limit; means controlled by the valve spindle to supply lubricant to the engine cylinder when the valve is closed, and to supply a mixture of lubricant and steam from the delivery chamber to the engine cylinder when the valve is open; substantially as described.

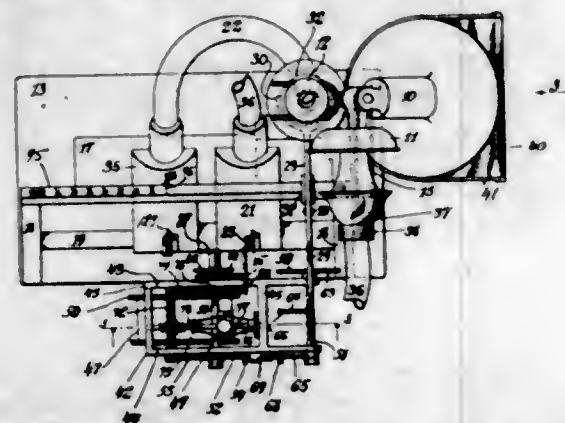
1,738,550. DEHYDRATOR. ELLARD L. YOUNGER, Woodland, Calif., assignor to E. L. Younger & Sons, Woodland, Calif., a Copartnership composed of E. L. Younger, Ellard L. Younger, and M. A. Younger. Filed Dec. 13, 1927. Serial No. 239,642. 2 Claims. (Cl. 34-46.)



1. In a fruit dehydrator providing a dryer chamber through which a confined stream of air is directed in

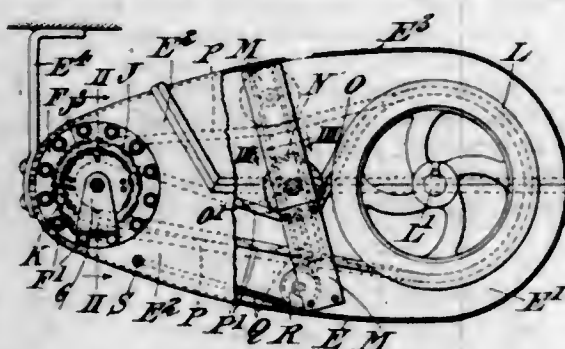
fixed paths laterally through a line of fruit disposed across the chamber, the method of tempering the fruit at both ends of the line which comprises effecting a slower flow of air at said line ends solely by expanding said stream thereat.

1,738,551. TELEPHONE-MESSAGE APPARATUS. SAMUEL ZULLO, Jersey City, N. J. Filed Sept. 8, 1927. Serial No. 218,142. 5 Claims. (Cl. 179-6.)



1. In combination, a telephone set, a speech recording instrument of the character described having a recording cylinder and two sound boxes in sound transmitting relation to the cylinder which latter bears a recorded message, means for placing the transmitter and the receiver of the telephone set in operative relation to the two sound boxes and means for operating the latter so that at each operation one sound box transmits the said same recorded message to the telephone transmitter and the other sound box records an incoming message on the cylinder from the telephone receiver.

1,738,552. VARIABLE-SPEED GEAR. GEOFFREY JOSEPH ABBOTT, London, England, assignor to P. I. V. Chain Gears Limited, London, England, a Company of Great Britain. Filed Jan. 12, 1928, Serial No. 246,337, and in Great Britain Feb. 16, 1927. 4 Claims. (Cl. 64-8.)

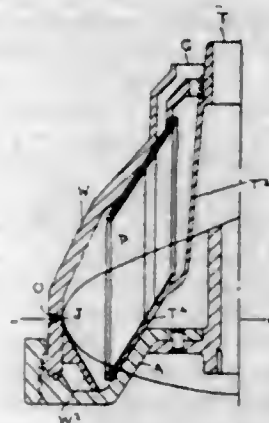


1. In a variable speed gear of the expanding pulley type the combination of a driving pulley having at least one of its flanges axially adjustable to vary its effective diameter, a second pulley of fixed diameter, a casing enclosing both pulleys, means supported on the exterior of the casing for imparting axial adjustment to the movable flange, a flexible transmission member connecting the pulleys, a guide secured to the inner wall of the casing, belt tensioning means mounted to slide within said guide so as to bear upon the slack side of the transmission member, a relatively long spiral spring anchored at one end to the casing and secured at the other end to said belt tensioning means and a guide pulley within the casing over which the spring passes.

1,738,553. CENTRIFUGAL LIQUID PURIFIER. JAMES WALTER ADAMS, Bradford, England. Filed June 22, 1928, Serial No. 287,548, and in Great Britain July 27, 1927. 2 Claims. (Cl. 233-20.)

1. In a centrifugal separator, a bowl having an outer wall provided with a plurality of escape openings having

their axes in a common plane perpendicular to the axis of rotation of the bowl, the inner surface of said wall being inclined inwardly from said openings both above and



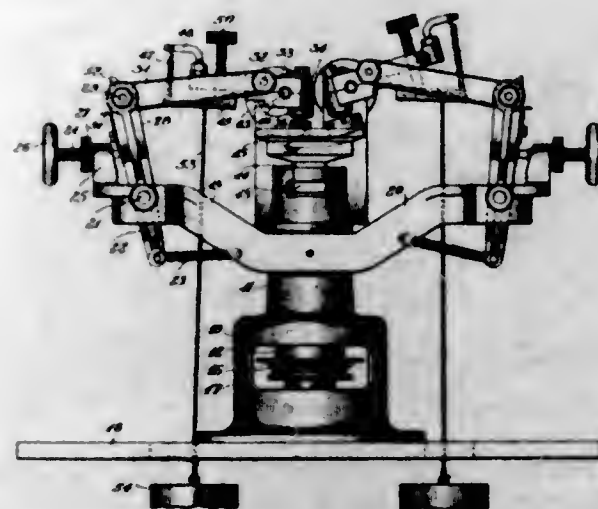
below the openings, the inner surface of the wall at said openings being arcuately lobular in plan with each opening at the center of a respective arcuate portion.

1,738,554. ABSORBENT LINER OR INNER TUBE FOR TOBACCO PIPES, CIGAR AND CIGARETTE TUBES. MONTAGUE HENRY BARLING, Camden Town, London, England. Filed Oct. 17, 1927, Serial No. 226,657, and in Great Britain Feb. 16, 1927. 3 Claims. (Cl. 131-12.)



1. As a new article of manufacture, an absorbent liner for tobacco pipes, cigar and cigarette tubes, comprising a unitary structure consisting of a tubular body of absorbent friable material providing an unobstructed smoke passage therethrough, and an exterior covering of material non-permeable by moisture surrounding the absorbent tube to protect from moisture the walls of the smoke passage in which it is inserted, and to facilitate the removal of the liner intact, therefrom.

1,738,555. LENS GRINDING AND POLISHING MACHINE. JOHN J. BAUSCH, Rochester, N. Y., assignor to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 6, 1921. Serial No. 490,220. 9 Claims. (Cl. 51-50.)



1. In a lens grinding machine, the combination with a frame and a rotary lens holder thereon, of a part movably supported on the frame, a tool spindle and a driving shaft for the latter rotatably carried by said part, a driving connection between said spindle and shaft, a pulley rotatably carried on the frame, the movement of said part

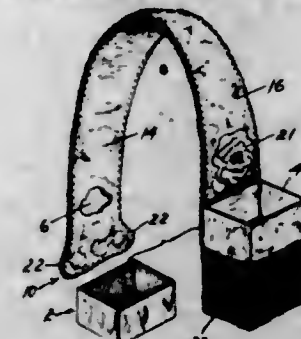
on the frame permitting adjustment of said spindle to different operating positions relative to said lens holder and also to and from an out-of-the-way position spaced a substantial distance from the lens holder movement to and from said out-of-the-way position being in the direction of a plane substantially transverse to the axis of said pulley and of said driving shaft, and a rod connected at its respective ends with said pulley and shaft by universal joints one of which is detachable to permit movement of the tool spindle to said out-of-the-way position.

1,738,556. COVER FOR CURB BOXES AND THE LIKE. VICTOR E. BEAGLE, Arlington County, Va. Filed May 2, 1928. Serial No. 274,618. 6 Claims. (Cl. 137-13.)



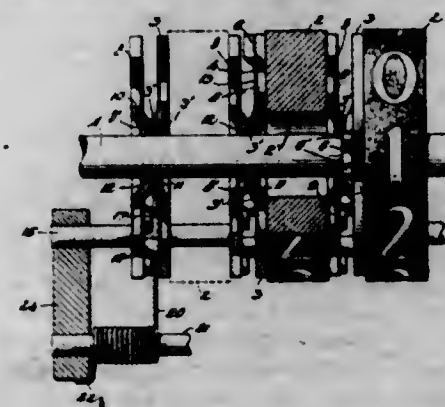
1. A curb box cover comprising a top, and an eccentric helicoidal flange formed integrally upon the lower side thereof having throughout a steep inclination radially divergent from the plane of the top, the lower part of said helicoidal flange having the greatest radius.

1,738,557. SMOKER'S ASH RECEPTACLE. WINNA P. BEILING, Oakland, Calif. Filed Jan. 17, 1927. Serial No. 161,582. 3 Claims. (Cl. 131-51.)



1. A device of the character described comprising a member formed of material which is pliable and sufficiently resilient to be self-sustaining of any shape into which it might be bent, said member being adapted to be bent partially around the arm of a chair or other article of furniture so as to resiliently engage the arm with sufficient firmness to prevent the member from slipping from the arm, and a cigar ash receptacle removably carried by said member at an end thereof and disposed below the level of the arm.

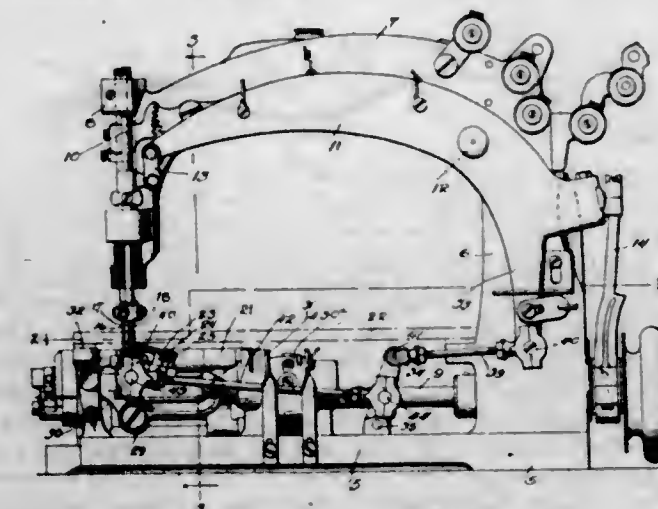
1,738,558. ODOMETER MECHANISM. JOSEPH BEACE, Flint, Mich., assignor to A C Spark Plug Co., Flint, Mich., a Company of Michigan. Filed Nov. 14, 1921. Serial No. 514,990. 3 Claims. (Cl. 235-1.)



1. The process of forming a number wheel comprising forming a body portion of a nonmetallic plastic composi-

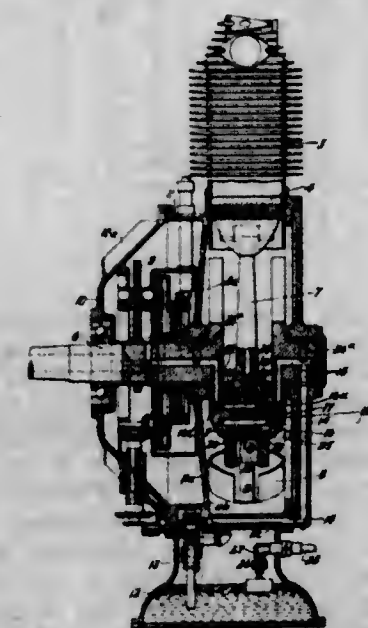
tion capable of being softened under the influence of heat with projections extending laterally from the faces of the body, assembling said portion with disks on each side thereof with the projections extending into perforations in said disks, softening the said projections by application of heat thereto and expanding said projections while in softened condition to secure the disks and body together.

1,738,559. LOOPER MECHANISM FOR SEWING MACHINES. LOUIS G. BOWMAN, Chicago, Ill., assignor to Sexton Mfg. Company, Fairfield, Ill., a Corporation of Illinois. Filed Feb. 15, 1928. Serial No. 254,506. 4 Claims. (Cl. 112-200.)



1. In a looper operating mechanism for sewing machines, the combination with a vertically reciprocating needle, of a lever for reciprocating the needle and provided with a looper-operating arm, a reciprocating looper cooperating with the needle, a carrier for the looper, and means for reciprocating the looper for imparting forward and backward movements thereto comprising an intermediate reducing lever, a link directly connected to the looper carrier and to the intermediate lever, and a link directly connected to the intermediate lever and to the looper-operating arm of the needle lever, the point of connection between the second link and the intermediate lever being located intermediate the fulcrum of the lever and the point of connection between the first link and the lever.

1,738,560. LUBRICATING SYSTEM. ROBERT W. A. BREWER, Jenkintown, Pa., assignor to Harold F. Pitcairn, Bryn Athyn, Pa. Filed Oct. 23, 1926. Serial No. 143,546. 4 Claims. (Cl. 184-6.)



4. In an engine, the combination with its crank shaft and piston rod or rods, of means for lubricating the same

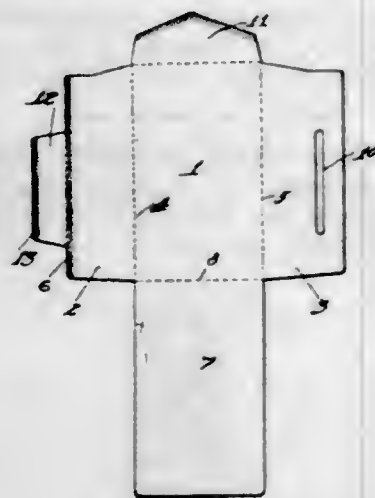
including a source of oil supply, a plug in the crank pin, means for passing oil from the plug to the surface to be lubricated, means for by-passing a portion of the oil through the plug, and an outlet from said last mentioned means removed from the lubricated surfaces.

1,738,561. EXTENSION DEVICE. EDWIN G. CARLSON, Riverside, R. I., assignor to Speidel Chain Co., Providence, R. I., a firm composed of Frederic Speidel and Eugen Speidel. Filed June 15, 1928. Serial No. 285,750. 5 Claims. (Cl. 24-71.)



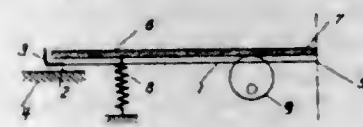
2. In a wrist watch strap, an extension device comprising a plurality of sheet metal sections hinged together to be folded one on another, one of said sections having an opening therethrough, a spur on a second section positioned to extend through said opening, said spur being struck up from the sheet stock and lying in a plane generally longitudinally of the section and presenting its edge for cooperating with the edge of said opening remote from the hinge connection to hold the sections together and aligned in folded position, and a third section having depending sides within which said other sections nest when in folded position.

1,738,562. TWO-COMPARTMENT ENVELOPE. CHARLES E. CATHER, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a Corporation of Maine. Filed Aug. 2, 1926. Serial No. 126,590. 2 Claims. (Cl. 229-72.)



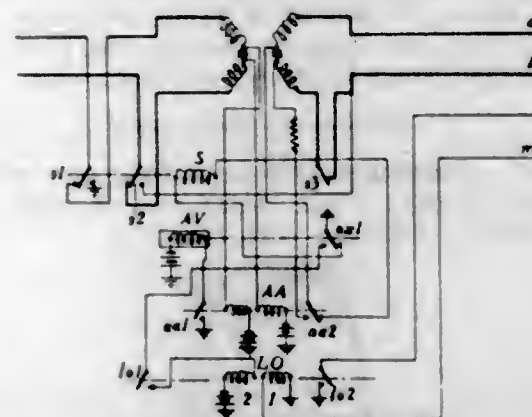
1. As a new article of manufacture, an envelope made from a single sheet or blank and providing two compartments, said blank consisting of a rectangular body portion, with a flap projecting therefrom and adapted to be folded upon said body portion, said flap and body portion thereby constituting the opposite walls of the larger of said two compartments, and said blank further providing oppositely located flaps adapted, when folded, to overlap each other and to overlap the first mentioned flap, one of said two last mentioned flaps having a slit constituting the entrance to the smaller compartment of the envelope formed between said flap and the underlying first mentioned flap, and the other of said two last mentioned flaps providing a sealing closure for said slit.

1,738,563. RECORDING DEVICE FOR MEASURING INSTRUMENTS. ANDRÉ CHAGNAUD, Paris, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a Corporation of France. Filed Oct. 16, 1928. Serial No. 312,875, and in France Oct. 29, 1927. 14 Claims. (Cl. 234-1.)



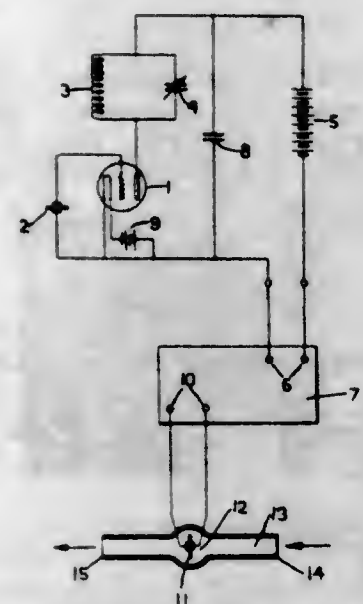
1. In a recording device of the type described, an oscillatively mounted pointer, a U-shaped bar oscillatively mounted above said pointer, a stop plate on said pointer, an aligning pin on said stop plate engaging said U-shaped bar, and means for causing said U-shaped bar to periodically descend on said stop plate for the purpose disclosed.

1,738,564. TELEPHONE SYSTEM. DAVID ADAM CHRISTIAN, London, England, assignor to Siemens Brothers & Company, Limited, London, England. Filed Apr. 1, 1929. Serial No. 351,487, and in Great Britain Feb. 25, 1928. 8 Claims. (Cl. 179-17.)



1. In a telephone system, a plurality of party lines, a dial at each party line station, exchange apparatus common to said lines and seized upon the initiation of any call, means responsive to the dialing of a predetermined digit by a calling subscriber for disconnecting his line from said common apparatus and for marking the line busy, and means at the calling station for signalling another party on the same line.

1,738,565. METHOD AND APPARATUS FOR UTILIZING HIGH-FREQUENCY SOUND WAVES. WALTER CLAYPOOLE, Forest Hills, N. Y., assignor to The Texas Company, New York, N. Y., a Corporation of Delaware. Filed July 18, 1927. Serial No. 206,443. 11 Claims. (Cl. 252-6.)

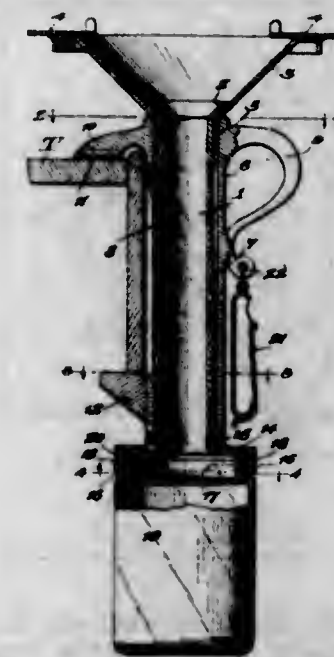


1. A method of changing the physical characteristics of fluid bodies which comprises the generation of high

frequency sound waves above the range of audibility in a restricted passage and continuously conducting a stream of fluid through said passage.

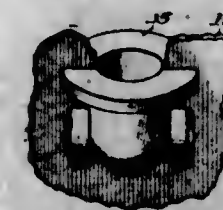
10. In an emulsifying device a fluid conduit, a vibratory body located within the conduit and means for vibrating the body at such high frequency as not to emit audible sound waves.

1,738,566. ASH TRAY. ROBERT G. FLEMING, Chico, Calif., assignor, by mesne assignments, to Smokador Manufacturing Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 5, 1924. Serial No. 754,088. Renewed July 17, 1928. 9 Claims. (Cl. 131-51.)



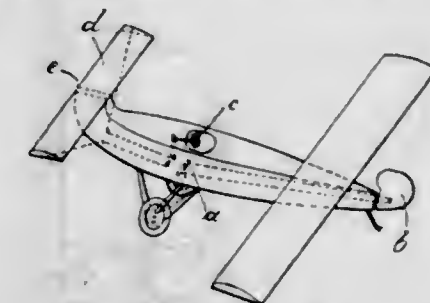
9. In a device of the character described, a tubular frame, an externally threaded tubular stem rotatable in said frame, a pair of clamping jaws, one of the same being longitudinally movable relatively to said tubular frame and having a threaded connection with the threaded portion of said stem whereby the rotation of the latter will move said jaw toward and from the other jaw, and an ash tray mounted on and above said parts and having an opening communicating with the interior of said tubular stem.

1,738,567. METHOD OF FORGING STEEL-GATE VALVE BODIES. VICTOR E. FLODIN, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 9, 1927. Serial No. 238,831. 8 Claims. (Cl. 29-137.1.)



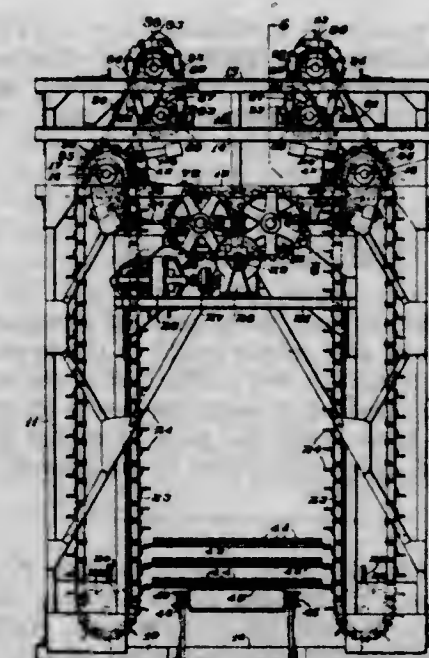
1. The method of manufacturing a hollow steel valve body from a single piece of solid stock comprising heating the stock to forging temperature, initially piercing the stock to start the formation of the valve chamber, and forging the stock to an oversize cross-sectional area about an oversize mandrel, reheating the stock to forging temperature, thereafter forging the resultant product about a mandrel of the proportions and characteristics of the chamber desired within the body, to size and shape desired and finally forming inlet and outlet openings through the valve body ends and into the chamber formed in the body.

1,738,568. AEROPLANE OF DUCK-TYPE CONSTRUCTION. HENRICH FOCKE, Bremen, Germany. Filed Dec. 30, 1927. Serial No. 243,728, and in Germany Dec. 30, 1926. 1 Claim. (Cl. 244-12.)



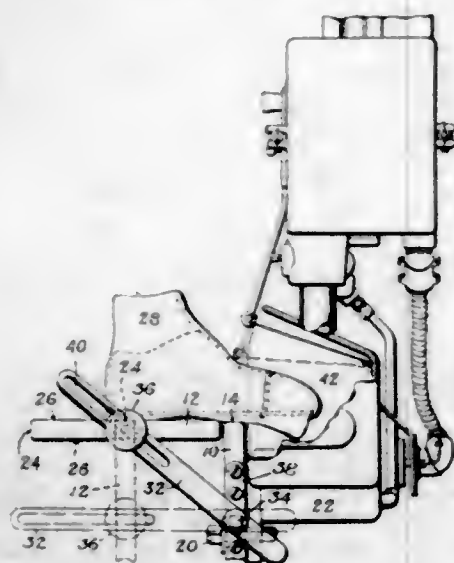
An aircraft having a fixed plane and a steering rudder arranged in rear of the center of gravity and the pivotal axis of which rudder is substantially vertical, so that said rudder is movable angularly in a substantially horizontal plane, and also having a pivotally mounted plane arranged in front of the center of gravity, the pivotal axis of said pivotally mounted plane being substantially in the longitudinal axis of the aircraft, so that said plane is movable angularly in a substantially vertical plane transversely of the aircraft and coacts with said rudder to steer and control the aircraft.

1,738,569. RECEIVING STATION. CLAUD E. FULLER, New York, N. Y., assignor to New York Brick Handling Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 14, 1928. Serial No. 270,083. 4 Claims. (Cl. 198-163.)



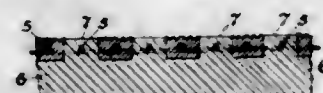
1. In a device of the kind described, the combination of a pair of endless conveyors, having the inner reaches thereof arranged parallel to but spaced apart from each other, and lying in substantially vertical planes, means secured to said endless conveyors for supporting pallets of brick in substantially horizontal planes, operating means for said endless conveyors for operating the same intermittently by a step-by-step movement, and a second pair of endless conveyors arranged above the first said pair and having the inner reaches thereof operable in the same direction and at the same speed and in synchronism with the first said pair, whereby the unloading of the pallets from the endless conveyors is facilitated.

1,738,570. WORK SUPPORT. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 2, 1923, Serial No. 616,602. Divided and this application filed Mar. 5, 1925. Serial No. 13,149. 21 Claims. (Cl. 12-123.)



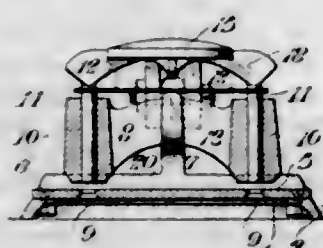
1. Shoe-supporting means comprising a forepart member formed and arranged to support the forepart of a shoe, a heelpart member having a platform surface to support the heelpart of a right-side-up shoe and having a notch to receive the top of an inverted boot and to embrace and support the heelpart thereof, and means arranged to maintain said members in cooperative relation to each other, said means having provision for permitting adjustments of said heelpart member to plate said platform surface and said notch alternatively in operative position relative to said forepart member.

1,738,571. WEARING SURFACE OF PAVEMENTS, ROADS, TREADS, AND THE LIKE. THOMAS GARE, Stockport, England. Filed June 25, 1928, Serial No. 288,209, and in Great Britain Aug. 19, 1927. 6 Claims. (Cl. 94-6.)



1. In a pavement, road, tread and the like surface consisting of pieces of soft rubber inlaid in the upper part of a mass of solid cement during production of the said mass, wires which are threaded through the pieces of rubber and cross over each other inside the piece of rubber for retaining the pieces of rubber in position in the cement.

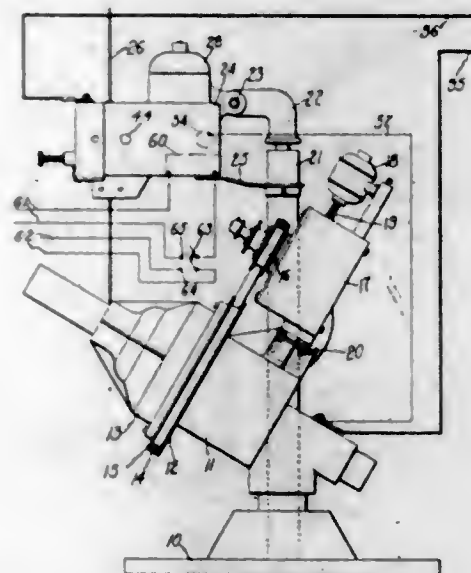
1,738,572. PAPER PUNCH. ADO GLAESER, Woodhaven, N. Y., assignor to Modern Office Devices, Inc., New York, N. Y., a Corporation of Delaware. Original application filed July 31, 1925, Serial No. 47,184. Divided and this application filed Aug. 18, 1927. Serial No. 213,718. 2 Claims. (Cl. 164-91.)



1. In a paper punching device, a base, a plurality of punches, a single member for supporting said punches,

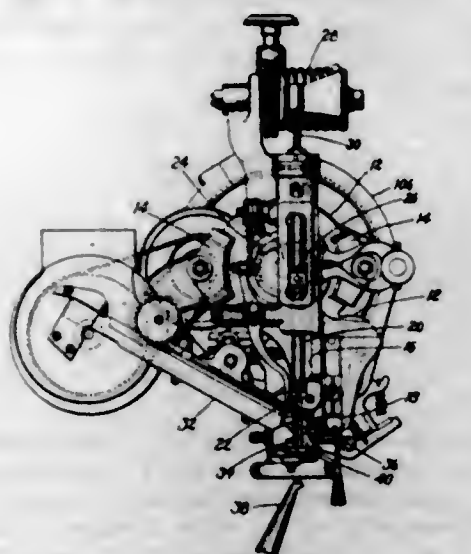
pivoted adjustable guides for said punches, said guides adapted to be swung about their centers to definite positions to thereby obtain different distances between said punches, means for varying the depth to which a paper may be inserted in said punching device, and means cooperating with said depth varying means and said base to maintain said depth varying means in adjusted positions.

1,738,573. ARC WELDING. ELVIN S. GOODSPEED, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 22, 1920. Serial No. 398,198. 35 Claims. (Cl. 219-8.)



1. Apparatus for supplying electrode material to an electric arc comprising rotary electrode engaging means, constantly rotating driving devices operatively connected to said means one of said devices being operative to rotate said means in one direction and the other in the opposite direction, a friction clutch between each of said devices and said means, and means for varying the relative effect of the clutches.

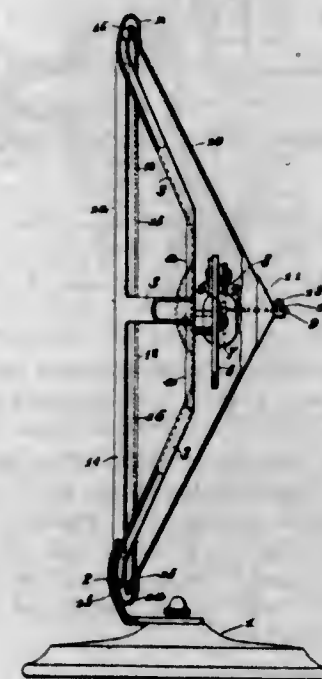
1,738,574. FASTENING-INSERTING MACHINE. JOSEPH GOULDSBURN, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 26, 1926, Serial No. 144,364, and in Great Britain Nov. 6, 1925. 12 Claims. (Cl. 1-18.)



1. A cyclically operating machine for inserting fastenings in boot and shoe parts having a transversely moving head, an awl and a driver carried by said head for transverse movement therewith and reciprocable in paths substantially at right angles to its transverse movement to

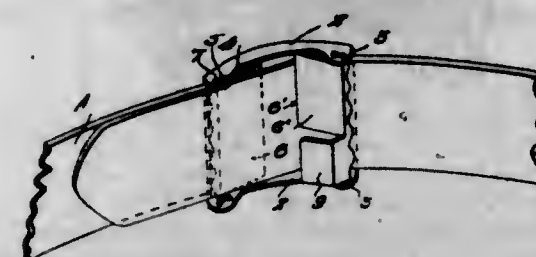
cause the awl to penetrate the work and cause the driver to insert fastenings in the holes formed by the awl in the work, and means for moving the head transversely of the machine whereby the awl, moving with the head, feeds the work, said means being arranged to cause the transverse movement of the head to occupy substantially one-half of the cycle of operation of the machine whereby the machine may be run at a relatively high speed without speeding up the feeding movement of the work through the machine.

1,738,575. RADIO SPEAKER DIAPHRAGM. FORREST E. GRESWOLD, Philadelphia, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 27, 1925. Serial No. 65,076. 13 Claims. (Cl. 181-31.)



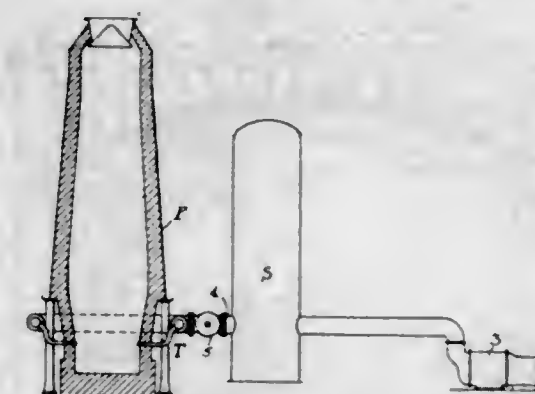
1. A sound-reproducing diaphragm of the free edge type having attached thereto at its periphery a protecting element.

1,738,576. BELT BUCKLE. FRANK M. HALE, Chester, W. Va. Filed Sept. 14, 1928. Serial No. 305,988. 1 Claim. (Cl. 24-73.)



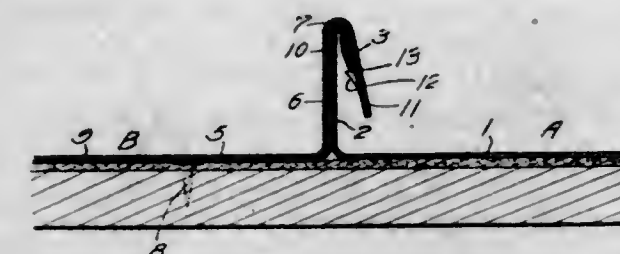
A belt buckle comprising body having inwardly extending flanges at its side edges, the body being of arc shape, a pair of belt holding levers pivoted to the ends of the flanges, means for adjusting the pivotal points of the levers and an offset part on one lever for facilitating the movement of the lever and for engaging a part of the trousers to prevent movement of the buckle and the front part of the belt in relation to the waistband of the trousers.

1,738,577. BLAST-FURNACE OPERATION. WILLIAM A. HAVEN, Youngstown, Ohio. Filed Apr. 9, 1927. Serial No. 182,312. 3 Claims. (Cl. 266-30.)



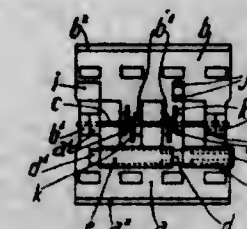
1. The combination of a blast furnace, a tuyère, an air compressor for supplying an air blast, and means controllable to cause the blast to fluctuate regularly with a force insufficient to bodily displace the fuel bed.

1,738,578. JOINT FOR METALLIC MEMBERS. EBER J. HAYMAN, Parkersburg, W. Va. Filed Sept. 26, 1927. Serial No. 222,006. 8 Claims. (Cl. 108-20.)



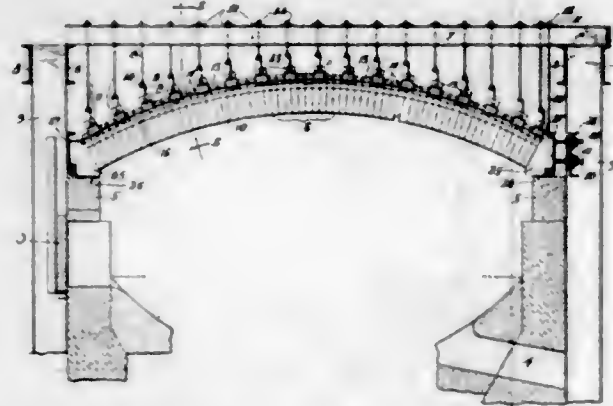
1. A metal joint comprising an element having a main body, a wall portion outstanding therefrom, the said wall portion being preformed with a return bend extending toward the body portion, a second element having an outstanding wall portion and a preformed returned margin, the preformed margin of the second element overlying the preformed bend of the first element, and preformed spaced apart offset resilient locks in the margin of the second element, the edge of said lock engaging and interlocking with the edge of the margin of the first element.

1,738,579. WRIST-WATCH FASTENER. HENRI AUGUSTE HUGOAS, Paris, France. Filed Nov. 9, 1927. Serial No. 232,176, and in Luxemburg Mar. 25, 1927. 4 Claims. (Cl. 24-265.)



1. A strap fastener for wrist watches comprising a pair of hinged overlapping hook members, means for moving said hook members to an open position, a spring latch on one of said members, a plurality of latch receiving means on the other of said members, and means including a cam operated by one of said latch receiving means adapted to cause said latch receiving means and said latch to automatically interlock when said members are moved to closed position.

1,738,580. FURNACE ARCH. RALEIGH J. HIMMELRIGHT, New York, N. Y., assignor to American Arch Company, a Corporation of Delaware. Filed Aug. 15, 1924. Serial No. 732,168. 3 Claims. (Cl. 263-40.)



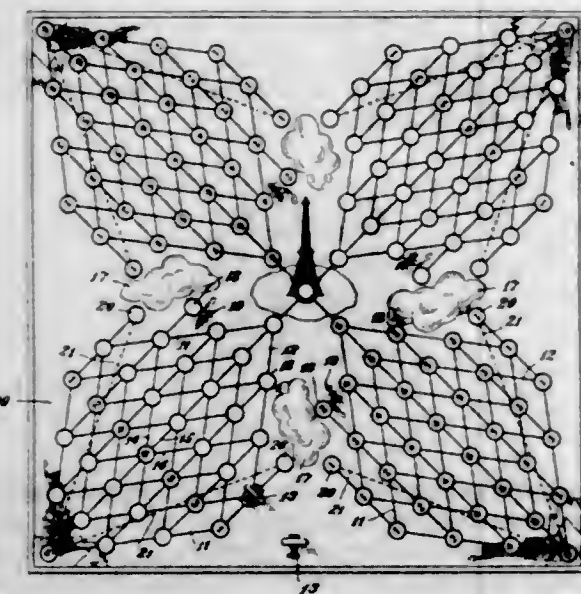
1. The combination with a tilting furnace of a suspended arch therefor, a floating suspended abutment for the arch at the tapping side of the furnace, and a non-yielding supporting means engaging said abutment and adjustable laterally.

1,738,581. CHILD'S TETHER. HARRIETTE ENSLEY HOBBS, New York, N. Y. Filed May 20, 1926. Serial No. 110,582. 1 Claim. (Cl. 119-107.)



The combination of a harness for a child and a flexible connection together with a weight, said weight consisting in a base having a hole centrally thereof, a post secured to the base and extending upward from the base, a series of weight disks having central holes adapted to be used with the base to increase the weight, each of said disks having a recess extending radially from the hole to the circumference to form a passage for the flexible connection.

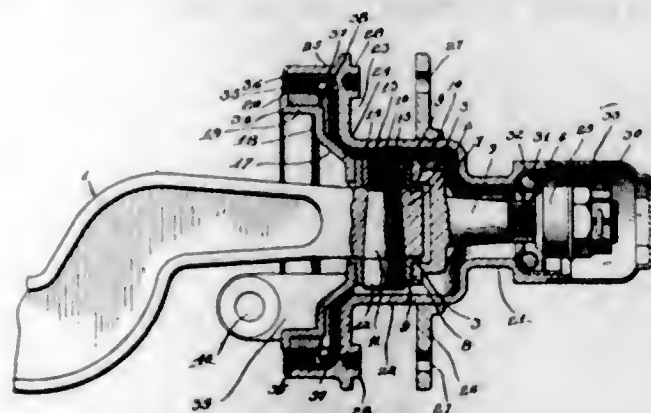
1,738,582. GAME BOARD. JOHN JOHANNESSEN, New York, N. Y. Filed Sept. 25, 1928. Serial No. 308,176. 2 Claims. (Cl. 273-134.)



1. A game consisting of a game board having four rhomboidal sections arranged in star-like manner, parallel and cross-parallel lines dividing each of said sections into a plurality of similar rhomboidal spaces, circular areas

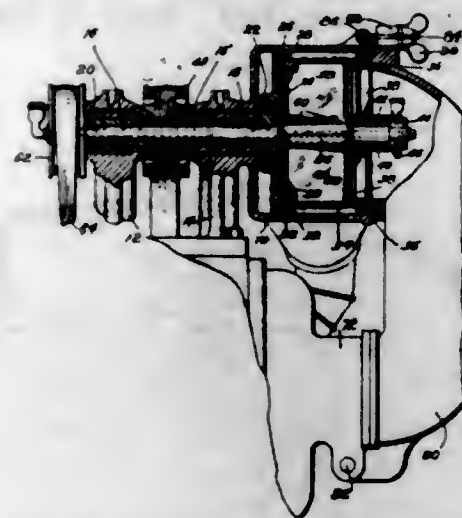
carrying numerals at the junctures of said lines, pawns adapted to be placed on said areas and to be moved along said lines, a goal, indicated by a picture, arranged in the center of the board between said star-like sections, diagonal central lines passing through said rhomboidal sections and converging at said goal and forming the only pathway for the pawns to reach said goal, and chance means regulating the movement of said pawns.

1,738,583. STEERING AXLE. WILLIAM MARTIN JONES, Jr., Rochester, N. Y. Filed Aug. 24, 1922. Serial No. 584,108. 2 Claims. (Cl. 280-96.)



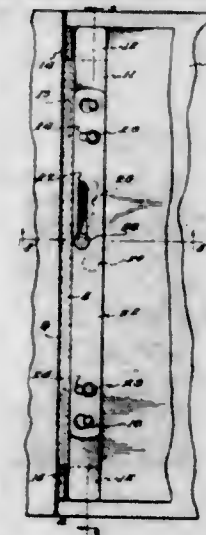
1. In combination with an axle having a tapered vertical opening, and bearings around the opposite ends of said opening, a spindle having a hollow portion in which the axle extends, said hollow portion being provided with aligned openings, bushings fitted in said openings and having flanges resting against the bearings on the axle about said tapered opening, a taper pin having a cylindrical bearing at one end fitted in one of the bushings, and a nut at the opposite end with a cylindrical bearing fitted in the other of the bushings.

1,738,584. MACHINE FOR REMOVING SURPLUS MATERIAL FROM BOOTS AND SHOES. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 30, 1925. Serial No. 72,295. 18 Claims. (Cl. 12-83.5.)



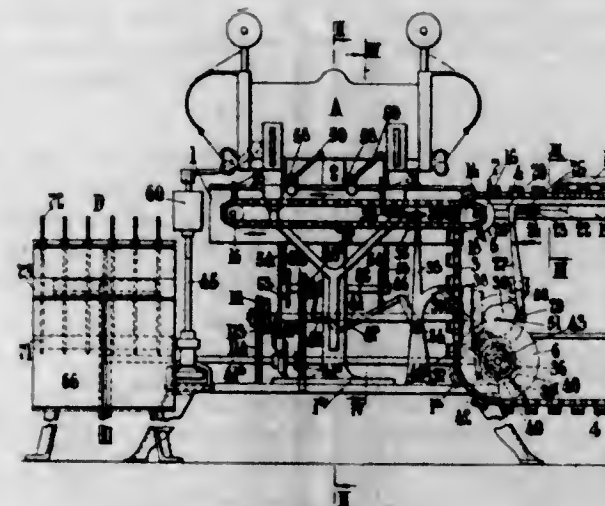
1. In a machine of the class described, the combination of a perforated abrading shell closed at one end only, means for rotating the shell, and air-exhausting means arranged to draw air from the interior of the shell and through the perforations substantially to the exclusion of air drawn from about the exterior of the shell without passing through the perforations.

1,738,585. LOOSE-LEAF BINDER. JOSEPH KAHN, Chicago, Ill. Filed Jan. 14, 1929. Serial No. 332,428. 7 Claims. (Cl. 129-13.)



1. In combination with a loose leaf binder cover, strips secured thereto, one of said strips having apertures and a slot therein, posts on the other strip for insertion through said apertures and through apertures in loose leaves, a locking bar slidably mounted on the apertured strip engageable with said posts and having a slot therein extending at an angle to the slot of said apertured strip, and means extending through said slots coacting between the latter strip and the locking bar thereon for wedging the locking bar into and out of locking position.

1,738,586. SIGNATURE GATHERING AND STITCHING MACHINE. OSCAR KLEINSCHMIT, Leipzig-Plagwitz, Germany, assignor to Gebrüder Brehmer Maschinenfabrik, Leipzig-Plagwitz, Germany. Filed Sept. 15, 1927. Serial No. 219,745, and in Germany Nov. 22, 1926. 13 Claims. (Cl. 270-53.)

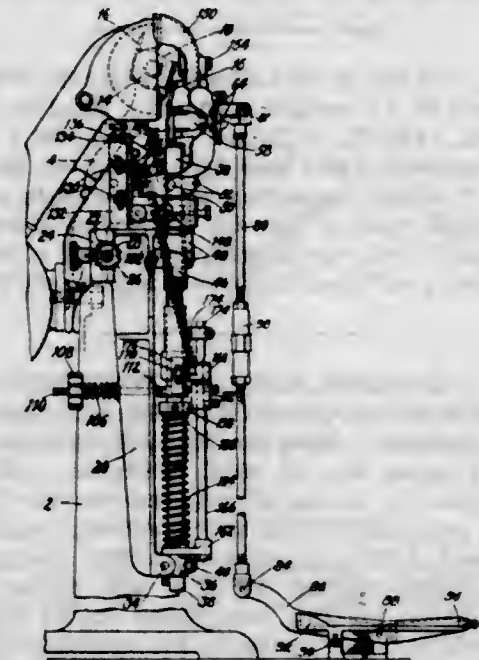


1. In a signature gathering and stitching machine a stitcher device, an endless conveyor for gathering signatures in superimposed relation and for conveying them to a support associated with said stitcher device, registering means for consolidating and positioning the said signatures on said support in the accurate position for stitching, and an endless conveyor for moving said signatures over said support from the stitcher device.

1,738,587. MACHINE FOR OPERATING ON HEELS. NORWOOD H. KNOWLTON, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 17, 1925. Serial No. 63,092. 19 Claims. (Cl. 12-47.)

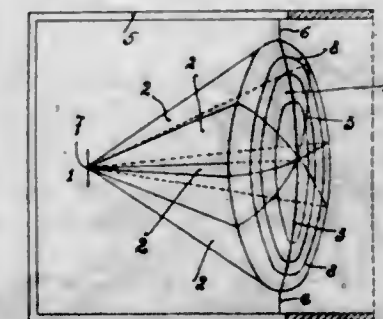
1. A machine of the class described having, in combination, a rotary cutter, a shoe carrier movable across the

acting face of the cutter, a plurality of templets, a roll arranged to engage one of the templets to control movement of the carrier toward and from the cutter as it moves



across the cutter, and means for relatively shifting the roll and templets to place the carrier under control of another templet.

1,738,588. LOUD-SPEAKER. LUCIEN LEVY, Paris, France. Filed Oct. 1, 1928, Serial No. 309,425, and in France Oct. 4, 1927. 3 Claims. (Cl. 181-31.)



1. In a loud speaker, a radiating membrane that does not propagate waves, and a wave propagating surface connected to the rear of the membrane along lines whose points vibrate in phase.

1,738,589. INCLINATION INDICATOR. ERNEST KOPPEL, Long Beach, Calif. Filed May 14, 1928. Serial No. 277,409. 12 Claims. (Cl. 234-1.)



1. An instrument for determining inclination comprising a supporting body, a plumb line, a ball secured to said

plumb line, a socket in said body for said ball so as to swing said line to said body, an imprinter for marking said ball, and means to actuate said imprinter at will.

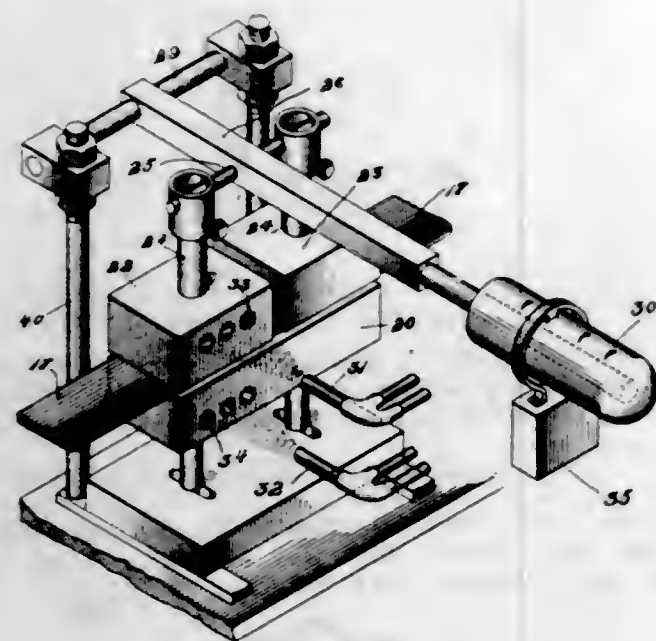
1,738,590. STABLE PULVERIZED HAIR DYE. PAUL LANGENKAMP, Darmstadt, Germany. Filed Nov. 12, 1926. Serial No. 148,107. 5 Claims. (Cl. 167—88.)

5. Pulverulent, stable hair dyes, ready for use after the addition of water, consisting of an intimate mixture of hair dye-stuff bases in the dry state with a dry alkaline peroxide and a dry organic acid, the amount of the alkaline peroxide being sufficient to prevent acidity of the mixture.

1,738,591. PROCESS FOR THE CONTINUOUS MANUFACTURE OF FLOOR COVERINGS. AUGUSTE LANNON, Genval, Belgium. Filed Jan. 28, 1928. Serial No. 250,317, and in Belgium Jan. 26, 1927. 2 Claims. (Cl. 92—40.)

1. A method of making slightly compressible floor coverings with impregnated felt by successively making a web, drying, heating, impregnating, polishing, cooling, coating one side, drying, coating the other side, drying, pressing, printing, drying, pressing, varnishing, drying and pressing without reeling the web between the successive operations.

1,738,592. WELDING APPARATUS. FREDERICK C. LEONARD, Providence, R. I., assignor to Leonard-Rooke Co., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 8, 1925. Serial No. 74,143. 7 Claims. (Cl. 78—82.)

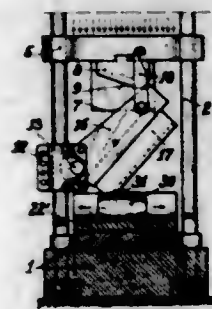


1. A welding apparatus comprising upper and lower pressing elements having parallel imperforate working surfaces for contacting with the work and between which the work to be treated may be progressively fed, means for intermittently applying heavy pressure through each of said elements to the work to be locally effective thereon, and means for transmitting welding heat during the application of welding pressure through each of said elements to the work to weld due to heat and pressure combined.

1,738,593. PROCESS OF AND APPARATUS FOR PRODUCING PRESSED RAILWAY-CAR AXLES AND SIMILAR FORGINGS. FRITZ LÜTZENKIRCHEN, Hattingen-Ruhr, Germany. Filed Nov. 5, 1926. Serial No. 146,415, and in Germany Nov. 9, 1925. 5 Claims. (Cl. 78—18.)

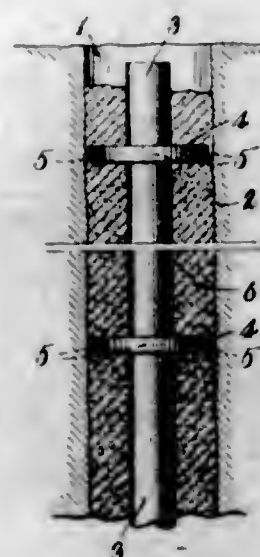
5. An apparatus for producing pressed railway car axles and similar forgings, comprising a frame composed of a

base and a plurality of columns, a bottom die in the base, a top die pivoted to the columns at one side of the bottom die for swinging movement into an upward tilted position and a downward horizontal working position, reciprocating means mounted on the columns above the top die adapted



upon its downward movement to engage said top die and force the same into cooperation with the bottom die, and detachable means adapted to connect the top die with the reciprocating means for lifting the top die to the upward tilted position.

1,738,594. DRILLING IN THE EARTH, PARTICULARLY IN COAL, SHALE, SLATE, AND LIKE FORMATIONS. JOHN ANGUS MACVICAR, London, England, assignor to Sullivan Machinery Company, Chicago, Ill., a Corporation of Massachusetts. Filed Mar. 30, 1926. Serial No. 98,610, and in Great Britain May 20, 1925. 12 Claims. (Cl. 255—1.)

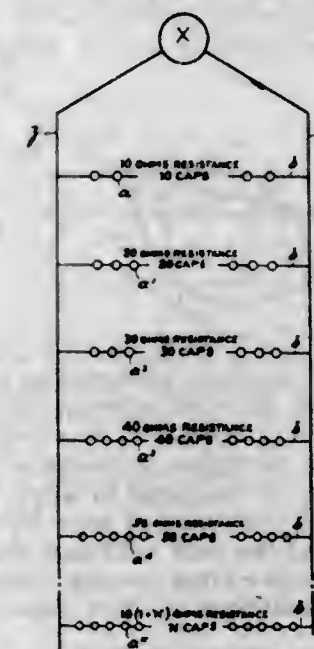


1. A method of cementing and re-drilling, consisting in cementing in the drill-hole a rod of a size to enter the drill, drilling over it as a guide through the cement and removing the guide-rod like a core.

1,738,595. METHOD FOR FIRING EXPLOSIVES. LEWIS M. MCBRIDE, Boston, Mass., assignor to Hercules Powder Company, a Corporation of Delaware. Filed May 17, 1927. Serial No. 191,999. 3 Claims. (Cl. 102—17.)

1. The method of firing explosives, which comprises arranging in parallel in an electric firing circuit a plurality

of series of explosive charge firing elements, providing differential resistance to the flow of current in different



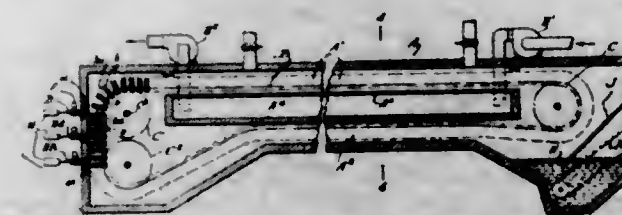
series by variation in the number of firing elements in different series and imparting electrical energy to the firing circuit.

1,738,596. GOLF TEE. WARREN H. MCLROD, Boulder, Colo. Filed Oct. 17, 1928. Serial No. 313,047. 5 Claims. (Cl. 273—33.)



1. A golf tee unit comprising a hollow cylindrical section having serrated ends, the serrations at one end of the section varying in depth with respect to the serrations at the opposite end.

1,738,597. CONTINUOUS-TUNNEL KILN. PAUL A. MEEHAN, Cleveland, Ohio, assignor to American Dresser Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed July 7, 1926. Serial No. 120,902. 22 Claims. (Cl. 25—142.)

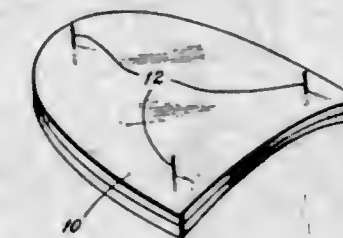


2. In combination, a kiln, a continuous conveyor having one run moving horizontally through said kiln and comprising a multiplicity of vertical tray stacks linked together and movable through said kiln in a vertical position, and mechanical means at the inlet of said kiln for charging each tray stack while the latter is horizontally disposed.

1,738,598. SHOE HEEL AND METHOD OF ASSEMBLING AND ATTACHING THE SAME. RALPH S. MEOATHLIN, Somerville, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 10, 1924. Serial No. 742,860. 7 Claims. (Cl. 12—147.)

1. The method of assembling and temporarily securing together unattached heel bases and rubber heels which con-

sists in inserting a fastening from and into the outer face of an unattached heel base, leaving the end of said fastening projecting from said face, placing a rubber heel in



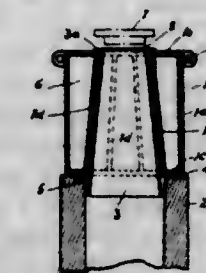
register with the base, and pressing the rubber heel upon the projecting end of the fastening to secure the rubber heel and base together temporarily sufficiently to withstand ordinary handling.

1,738,599. DIE FOR STAMPING OUT BLANKS, MORE PARTICULARLY FOR LEATHER GOODS. FRANZ MEATINZ, Vienna, Austria. Filed Feb. 8, 1927, Serial No. 166,783, and in Austria May 18, 1926. 9 Claims. (Cl. 164—29.)



1. A die for stamping out blanks, more particularly for leather goods, comprising a core and band-shaped cutters which are fixed to the peripheral surface of said core, project beyond the face of said core and are provided with projections extending out of said cutters and resting against said core.

1,738,600. HOT TOP. EUGENE L. MESSLER and JAMES M. GUTHRIE, Pittsburgh, Pa.; said Guthrie assignor to James Thomas, Sharpsville, Pa. Filed Oct. 31, 1928. Serial No. 316,309. 2 Claims. (Cl. 22—147.)



2. A hot-top for ingot molds comprising a metallic shell having an outer wall with insulating material positioned adjacent thereto and inner shell portions retaining the insulating material so positioned, together with a thin metallic lining member inwardly covering the inner metal shell portions from direct contact with molten metal.

1,738,601. GUN CLEANER. MERRITT B. METZGER, Alvada, Ohio. Filed Oct. 27, 1928. Serial No. 315,544. 1 Claim. (Cl. 42—91.)

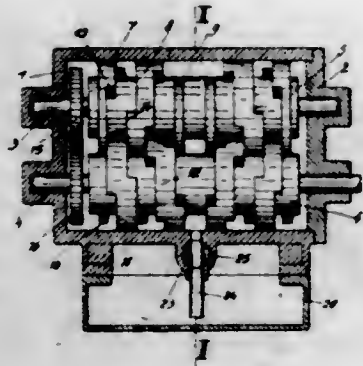
An instrument for cleaning gun barrels, comprising a tubular member having a substantially U-shaped handle at one end thereof, a rod freely guided through the tubular member and having a substantially U-shaped handle end

which is received in the first mentioned handle, the opposite end of the rod projecting through the tube, spaced



discs on the rod, means holding the outer disc thereon, and a series of compressible discs arranged between the first mentioned discs for the purpose set forth.

1,738,602. GEAR PUMP OR ENGINE. EMANUEL MOCI-
GEMBA, Essen, Germany. Filed Aug. 15, 1927, Serial
No. 213,004, and in Germany Nov. 19, 1925. 2 Claims.
(Cl. 103-128.)

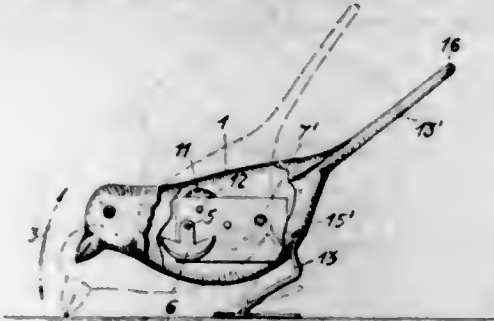


1. A gear pump or engine comprising a casing, a pair of rotors in said casing, interengaging ribs on each rotor constituting flow chambers between them, staggered shoulders projecting from the face of each of the ribs constituting said flow chambers, a liquid reservoir, a pipe connected with said reservoir and the suction chamber in said casing, a pipe connected with said reservoir and the delivery chamber in said casing, and a cock connected with both pipes and defining a longitudinal groove adapted to connect with each other the pipes intermediate said suction and delivery chambers while their connection with said liquid reservoir is broken by said cock.

1,738,603. METHOD OF ENRICHING IRON ORE, BLAST FURNACE FLUE DUST, BURNT PYRITE, PURPLE ORE AND THE LIKE. HENRY AUGUST MULLER, Stockholm, Sweden, assignor to Aktiebolaget Ferriconcentrat, Stockholm, Sweden. Filed Aug. 22, 1927, Serial No. 214,778, and in Sweden Oct. 28, 1926. 4 Claims. (Cl. 75-17.)

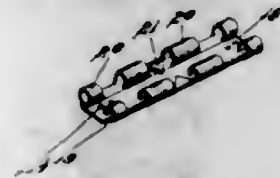
1. Method of treating oxide iron ores, blast furnace flue dust, burnt pyrites, purple ore and the like which in their natural state are only weakly paramagnetic, which comprises heating the material to about 600° C. substantially in absence of free oxygen while maintaining the oxidation of the iron mineral substantially at the stage of Fe₂O₃, and then separating it in a low intensity magnetic separator.

1,738,604. TOY. HEINRICH MÖLLER, Nuremberg, Germany. Filed Mar. 26, 1928, Serial No. 264,847, and in Germany Jan. 9, 1928. 5 Claims. (Cl. 46-40.)



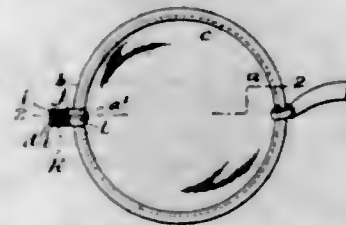
2. A toy comprising a body representing a bird or other animal, a fly-wheel mounted eccentrically within said body, and means for rotating said fly-wheel, to impart to said toy a reciprocating motion imitating a natural motion of said bird or other animal, said fly-wheel in addition to its eccentricity being positioned at some distance from the plane of symmetry of the body to impart thereon an additional one-sided reciprocating motion imitating another natural motion of said bird or other animal.

1,738,605. ATTACHMENT FOR SHOE ORNAMENTS. WILLIAM L. MYERS, Newark, and GEORGE D. HARRISON, Belleville, N. J., assignors to L. A. Myers, Jr., Inc., Newark, N. J., a Corporation of New Jersey. Filed Mar. 26, 1929. Serial No. 350,006. 3 Claims. (Cl. 2-245.)



1. In combination, a shoe ornament having a retaining element spaced from the back thereof, a plate, means for securing the plate to a shoe, and sets of cooperating resilient aligning and gripping members positioned on said plate for frictionally gripping said retaining element between them at longitudinally spaced points to releasably attach the shoe ornament in aligned position on the shoe.

1,738,606. SPECTACLES OR THE LIKE. HARRY NEWBOLD, London, England. Filed Dec. 22, 1926, Serial No. 156,307, and in Great Britain May 5, 1926. 5 Claims. (Cl. 88-47.)

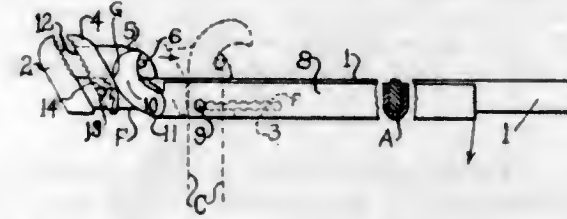


1. In a pair of spectacles or the like, a lens frame, provided with separable members forming parts of a split knuckle joint, a plate member located between said separable members and having a portion extending inwardly with respect to the frame to engage a notch in the lens, and an integral portion extending outwardly from said frame and provided with a hinge pin aperture, means for uniting said separable members and said plate, a temple provided with a hinge member and a hinge pin extending through said hinge pin aperture of said plate and through the hinge member of the temple.

1,738,607. WRENCH. ALBERT C. PATCH, Topeka, Kans. Filed Feb. 2, 1928. Serial No. 251,335. 1 Claim. (Cl. 81-87.)

A wrench of the kind described, comprising a handle having a slot longitudinally positioned therewith and curva-

tures along both sides of the slot oppositely disposed to each other as seating means for pivotal engagement, a lever having a pin with a central portion flattened and parallel to each other, functioning as a runion on which the lever is rocked, a jaw laterally extending and in-



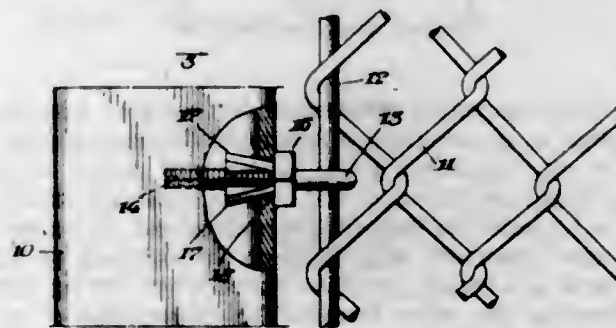
tegrally connected to the handle, a second jaw having an eye to slidably engage on the handle, said jaw having a web laterally extending and adapted to bear on the edge of the handle as a bracing means for its respective jaw, a pin extending through the end of the web as means by which the said jaw is retracted by rocking the lever.

1,738,608. ROLLER SCREEN. GEORGE PERIOR, Detroit, Mich. Filed Apr. 18, 1927. Serial No. 184,625. 3 Claims. (Cl. 156-39.)



3. In an attachment for the adjustably mounted windows of a closed automobile, having a housing adapted to be removably attached in the window opening, a roller mounted in said housing, a screen wound thereon, and an idler roller journaled on the housing and over which the screen is trained; a lip on the lower end of the screen provided with spaced apart hooks having detachable engagement with the side of the window glass at a point spaced from the top edge thereof, said hook being formed to engage the idler roller to limit the winding movement of said screen as it is being wound.

1,738,609. MEANS FOR FASTENING WIRE FABRICS TO FENCE OR GATE POSTS AND THE LIKE. STANLEY PIVONSKI, Colgate, and FREDERICK JOSEPH CANITZ, Jr., Baltimore, Md., assignors to Anchor Post Fence Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 14, 1929. Serial No. 339,898. 5 Claims. (Cl. 256-37.)

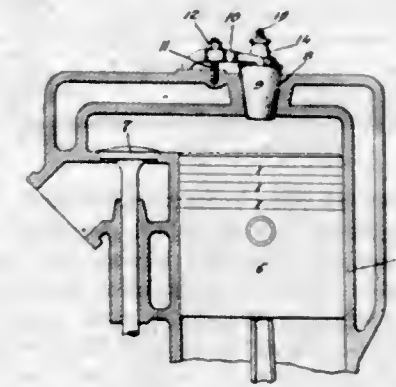


1. A tensioning device for a flexible fence or the like, comprising a rod having a thread on one end and means on the other end for securing it to the fence to be tensioned, a nut-like element arranged to be passed through

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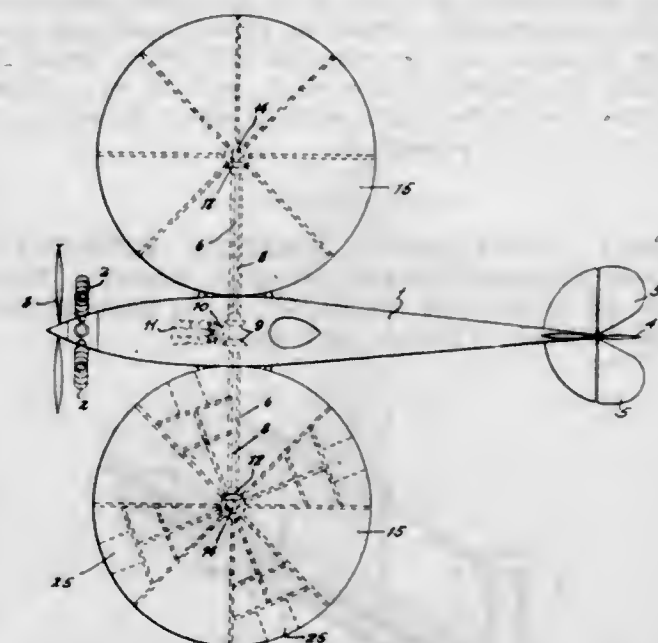
an opening in a support to extend beyond the opposite face of the support from the side thereof adjacent the fence to be tensioned, coating means on the rod and the inserted end of the nut for expanding that portion of the nut passed through the support to prevent the withdrawal of the nut when the nut is turned to tension the fence.

1,738,610. SPARK PLUG. HECTOR RABEZANA, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Oct. 27, 1922. Serial No. 597,327. 4 Claims. (Cl. 123-169.)



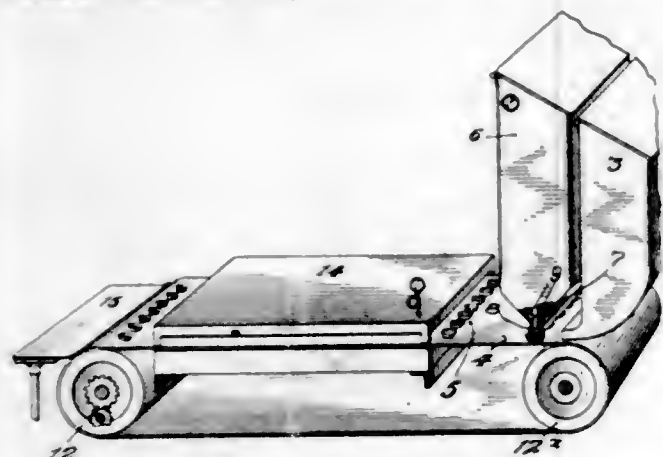
1. In combination with a cylinder wall having a tapered opening therein, and the wall of which opening is smooth throughout substantially its entire extent; a smooth and unthreaded metallic shell or casing tapered in form to correspond with said opening, and the length of which is as great as the length of said opening; a yoke member one end of which engages said shell, and the other end of which engages a fixed abutment; a bolt intermediate the ends of said yoke for forcing it against said shell, to thereby secure said shell in place within said opening; an insulating member secured in place within said shell; and electrodes carried one by said insulating member and the other by said shell or casing.

1,738,611. AEROPLANE. SYERBE RASMUSSEN, New York, N. Y. Filed Dec. 28, 1928. Serial No. 328,920. 9 Claims. (Cl. 244-14.)



9. An aeroplane comprising a fuselage and disk-like wings, mounted at opposite sides of the fuselage, means to rotate said wings in a horizontal plane, and auxiliary means radially-movable for rotating said wings when the driving means becomes inoperative.

1,738,612. METHOD OF AND APPARATUS FOR MAKING BOTTLE SEALS. WILLIAM RECHT, New York, N. Y. Filed Nov. 23, 1928. Serial No. 321,346. 2 Claims. (Cl. 113-80.)



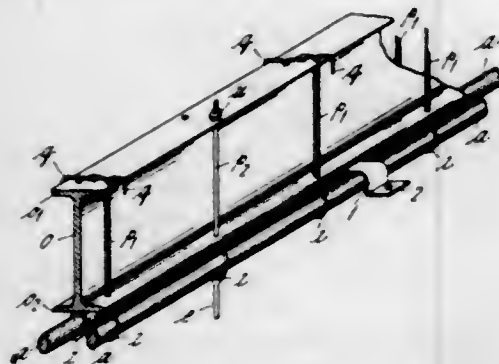
1. In apparatus of the character described, a plurality of discharge members for a liquid adapted to form a yielding bottle sealing medium, means for feeding, step by step, successive metallic caps into and out of register with said discharge members, and means for controlling the flow of liquid from said discharge members to permit treated caps to be withdrawn and untreated caps to be passed into register with said discharge member.

1,738,613. ORNAMENT. ISAAC L. RICE, Providence, R. I. Filed Sept. 22, 1927. Serial No. 221,209. 1 Claim. (Cl. 41-10.)



An ornament comprising a middle artificial pearl with a metallic stem extending therefrom, a plurality of smaller artificial pearls at each side of the middle pearl arranged symmetrically and with the smallest pearl most distant from the middle pearl, a metallic stem fixed to each of said smaller pearls with their extremities soldered together and soldered to the stem of the middle pearl, secondary ornamentation formed in halves, each half consisting of leaves and covering one side of the point of soldering attachment of the stems, and an eye formed from the stem of the middle pearl by which the ornament as a whole may be suspended.

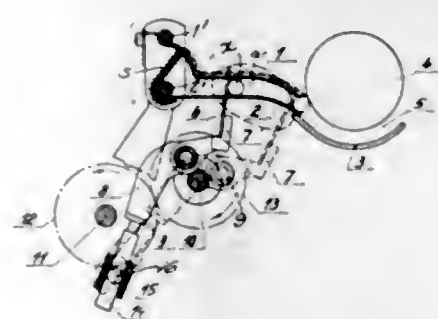
1,738,614. REINFORCED-CONCRETE STRUCTURE. HARRY CLEMENT RITCHIE, Liverpool, England. Filed Jan. 12, 1926, Serial No. 80,775, and in Great Britain Jan. 15, 1925. 6 Claims. (Cl. 72-61.)



1. In combination in a composite structure of steel and concrete of the type herein referred to, a rigid self-

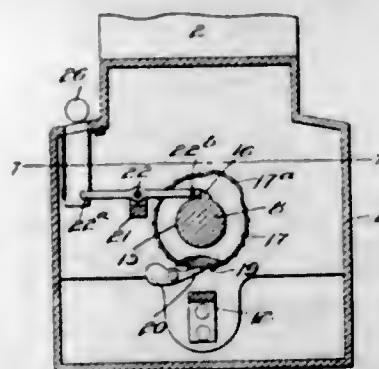
supporting reinforcement comprising a main member, a longitudinal bar embedded in the concrete on the side of the main longitudinal tensile flange of said main member remote from the neutral axis of said main member to strengthen said tension flange, reinforcing means disposed at right angles to the neutral axis and passing through the flanges of said main member to connect said bar to the main member and to connect the flanges of the main member together, substantially as described.

1,738,615. TRANSFERRING MEANS FOR CIGARETTE COUNTER-ROLLING MACHINES. CONSTANTIN FRIEDRICH ROBER, Dresden, Germany, assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Filed Aug. 24, 1925, Serial No. 52,048, and in Germany Nov. 22, 1924. 3 Claims. (Cl. 131-39.)



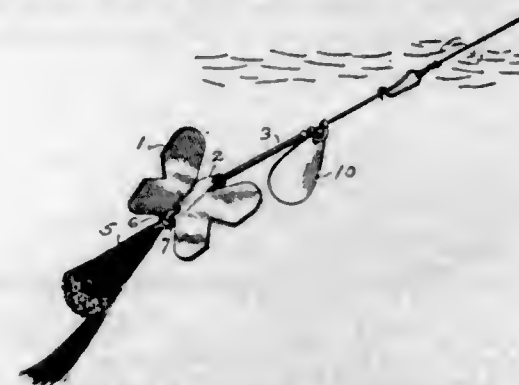
3. In a device of the character described the combination with a counter rolling device and a cigarette sleeve receiving channel leading into said device of a push member for feeding the cigarette sleeve from said channel into said rolling device, a lever carrying said push member, crank driving means to which said lever is fulcrumed, a rotatable socket in which the free end of said lever is longitudinally slidable and means for changing the position of said socket.

1,738,616. VENDING MACHINE. LEE W. SARGENT, Red Wing, Minn., assignor to John B. Brady, Washington, D. C. Filed July 27, 1925. Serial No. 46,327. 5 Claims. (Cl. 194-25.)



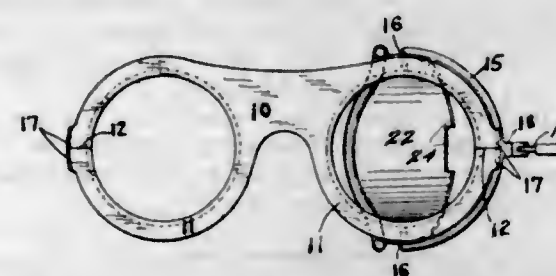
1. A coin controlled mechanism for vending machines comprising in combination a rotatable delivery device, a longitudinally extending abutment on said device, a plurality of guide members carried by said rotatable delivery device, a plurality of locking levers arranged to normally engage said abutment and obstruct the rotation of said device, and a plurality of coin chutes for receiving coins and directing the same against the extremities of said locking levers for moving said locking levers to a position free from said abutment and free of obstructing the rotation of said device, whereby said rotatable delivery device may be moved to a selected position and said locking levers controlled by the movement of said guide members.

1,738,617. FISHING LURE. CARL H. SCHARER, Dayton, Ohio. Filed Mar. 23, 1927. Serial No. 177,694. 24 Claims. (Cl. 43-42.)



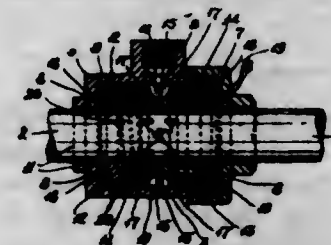
1. A fishing lure including a concavo-convex plate having its concave side upwardly disposed and comprising angularly disposed wing portions extending on opposite sides of a medial line of draft and presented alternately in opposition to the water pressure thereby affording unbalanced resistance shifted alternately from one wing to the other to one end of which a draft connection is made, and a trailing portion connected thereto in spaced relation with the point of attachment of the draft connection for transverse oscillatory movement to and fro across the medial line of draft.

1,738,618. GOGGLE FITTING. HARRY F. SHINDEL, Reading, Pa., assignor to Willson Products, Inc., Reading, Pa., a Corporation of Pennsylvania. Filed Sept. 10, 1927. Serial No. 218,068. 2 Claims. (Cl. 2-14.)



1. In goggles having lens-clamping rims which are split at the outer portions thereof; a semi-circular clamping yoke for each rim the end portions of which are pivoted to the oppositely curved portions of the latter and the midway arc portion of which clampingly encloses the split portion thereof and is provided with a fitting-attaching projection; and a side-shield pivotally mounted with said yoke between the latter and the lens and having its curved edge portion engageable upon said projection between the rim and yoke.

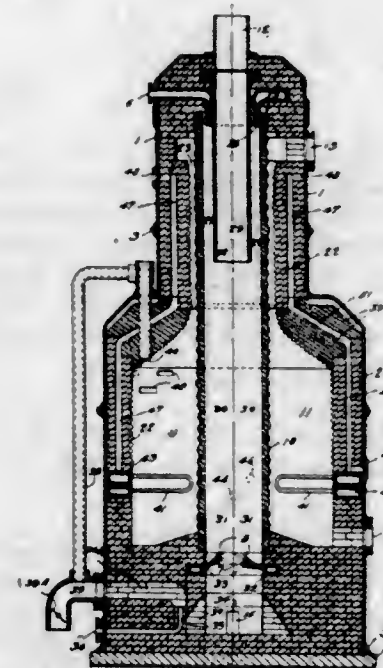
1,738,619. MEANS FOR MAKING FLUID-TIGHT JOINTS AROUND ROTATING SHAFTS AND THE LIKE. JAMES HENRY STUTHRIDGE AND THOMAS MOX-HAY HACK, Johannesburg, Transvaal, South Africa. Filed May 5, 1927. Serial No. 189,071, and in The Union of South Africa June 2, 1926. 1 Claim. (Cl. 286-26.)



Means for making a fluid-tight joint around a rotating shaft or the like, including a stationary casing through which the shaft passes and to which fluid under pressure is admitted, two oppositely disposed hydraulic packing rings

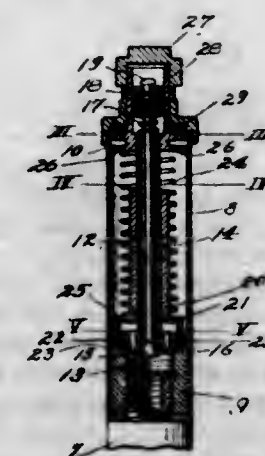
arranged around the shaft, and a container in which the packing rings are arranged, the packing rings and the container being rotatable with the shaft inside the stationary casing, and the packing rings being pressed outwardly towards the ends of the casing by the pressure fluid to make the joints between the transverse faces at the ends of the container and the ends of the stationary casing at the inside, as set forth.

1,738,620. CATALYTIC GAS GENERATOR. FRED UMPLEBY, Lockwood, Huddersfield, England. Filed Jan. 29, 1927, Serial No. 164,392, and in Great Britain Jan. 29, 1926. 3 Claims. (Cl. 48-74.)



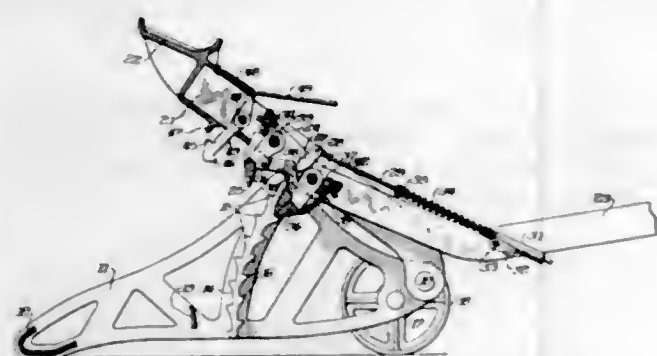
1. A gas generator including a gas generating chamber, corrugated walls of catalytic material for said chamber, means to feed material to be gasified to the chamber, and means to heat the corrugated catalytic walls of said chamber to incandescence.

1,738,621. AUTOMATIC SAFETY VALVE FOR PNEUMATIC TIRES. DIXON E. WASHINGTON, 2d, Kansas City, Mo. Filed Apr. 25, 1927. Serial No. 186,239. 2 Claims. (Cl. 152-11.5.)



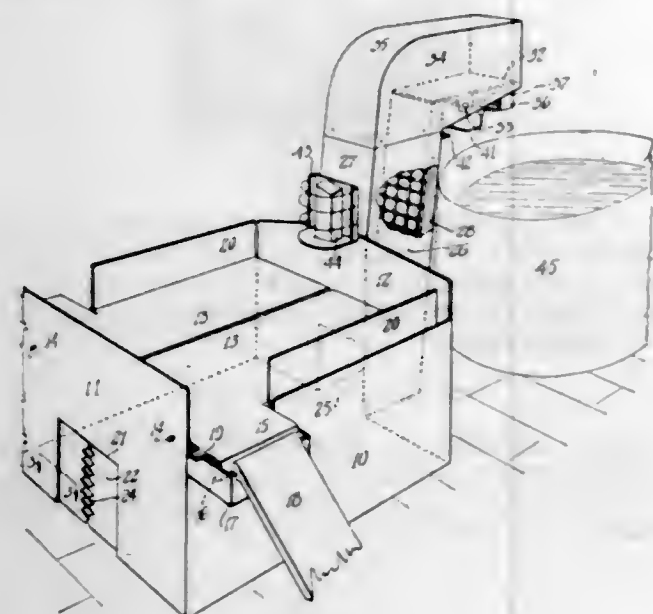
1. In a safety valve, a housing, upper and lower partitions in said housing, a tubular member connecting said partitions, said lower partition having inlet and outlet air passages therein, valves for closing said passages, said upper partition having air outlet ports therein and adapted to vent the air passed through the outlet passage in the lower partition.

1,738,622. JACK. GAILLARD E. WEAVER and EDWARD W. KELLEY, Springfield, Ill., assignors to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed July 16, 1927. Serial No. 206,357. 9 Claims. (Cl. 254-2.)



1. In a jack, the combination of a frame, a load lifting and lowering beam hinged on said frame, means to raise and lower said beam step-by-step including an operating handle, and manually-operated means to lock said handle and beam together temporarily to permit the latter to be raised quickly to the load by movement of the handle without resorting to the step-by-step mechanism.

1,738,623. TRAP. VICTOR WESTERLUND, Portland, Oreg. Filed Dec. 19, 1927. Serial No. 241,222. 1 Claim. (Cl. 43-69.)

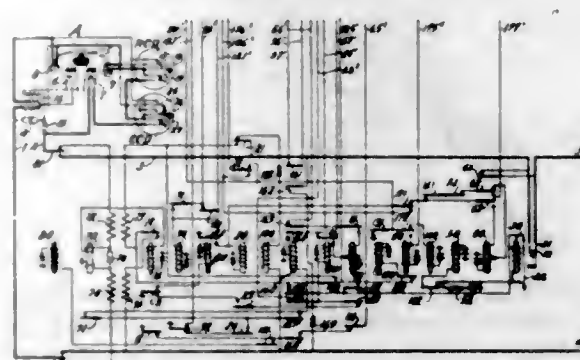


A trap having in combination a box having sides forming an enclosure, a divided top hinged between said sides below the upper edge thereof in a manner that the middle portion of said top may be depressed by the weight of a rodent, each portion of said top having means for urging same toward a horizontal position, each of said top portions having an extension formed thereon projecting through the adjacent upper side, one side of said enclosure having an inlet opening provided with an inwardly opening closure, another side of said enclosure having an outlet opening, an upright duct communicating with said outlet opening having a ladder therein, and a tiltable platform at the upper end of said ladder from which the rodent is discharged.

1,738,624. TELEPHONE SYSTEM. JOHN WICKS, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Nov. 12, 1927. Serial No. 232,734. 25 Claims. (Cl. 179-18.)

1. In a telephone system, a calling line provided with a first and a second calling device, a plurality of switches

accessible to said line and successively responsive to said first calling device for directively extending a connection to a called line under control of said calling line, a register mechanism at the exchange individual to said calling line, means in said mechanism directively responsive to a

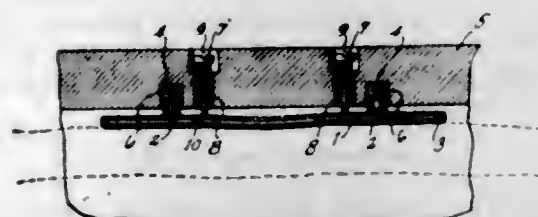


single operation of said second calling device, and means controlled by said first means and subsequently operable for automatically operating said switches under control of said mechanism to establish a connection with a called line.

1,738,625. CONCENTRATION AND DISTILLATION OF SOLUTIONS OF HYDROGEN PEROXIDE. RUDOLF WITZEL and LEO SCHLECHT, Ludwigshafen-on-the-Rhine, and OTTO KÖHLER, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Jan. 18, 1927. Serial No. 161,956, and in Germany Jan. 18, 1926. 3 Claims. (Cl. 23-207.)

1. The process of producing concentrated solutions of hydrogen peroxide which consists in bringing a finely divided hydrogen peroxide solution into intimate contact with a gaseous drying medium.

1,738,626. RETAINING APPLIANCE FOR ARTIFICIAL DENTURES. HARRY D. WILLEY, Oakland, Calif. Filed June 27, 1927. Serial No. 201,641. 9 Claims. (Cl. 32-4.)

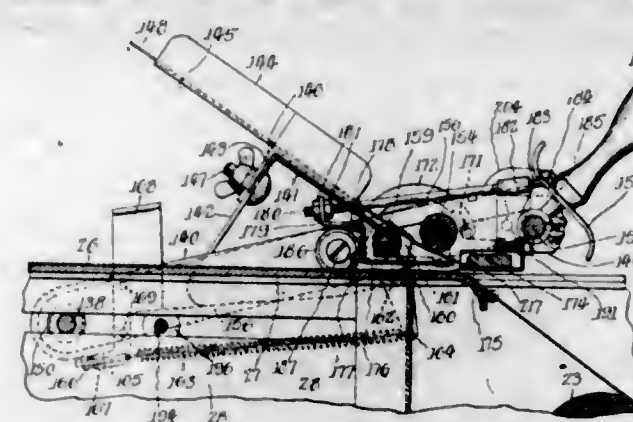


1. In artificial dentures an artificial gum, a resilient plate mounted on the gum, and adjustable means removably secured to the artificial gum to move said resilient plate relative to said gum.

1,738,627. DUPLICATING-COPY MACHINE. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a Corporation of West Virginia. Filed Apr. 29, 1925. Serial No. 26,777. 43 Claims. (Cl. 101-133.)

11. In a machine of the class described, a chuteway for supporting rolls upon spindles the opening of the chuteway being at the front of the machine and the delivery end at the rear of the machine, means for picking up a roll from the delivery end of the chuteway and supporting it in

position to allow the unwinding and delivery of the gelatin pad sheet upon an impression bed; in combination with



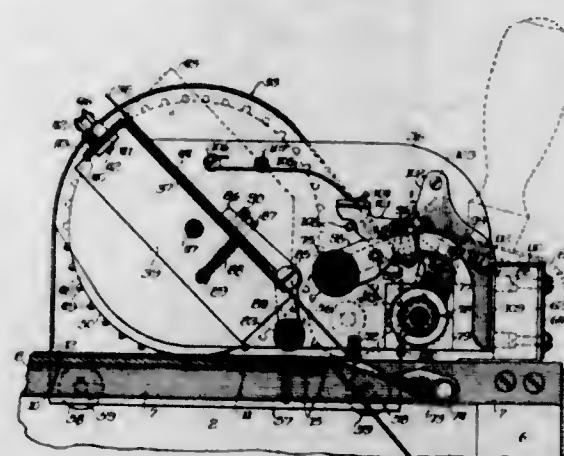
an impression bed and an impression carriage adapted to impress paper onto the gelatin pad sheet when on the said bed.

1,738,628. WATERPROOFING. STANLEY L. WILLIS and WATSON H. WOODFORD, Bridgeport, Conn., assignors to Remington Arms Company, Inc., a Corporation of Delaware. Filed May 12, 1925. Serial No. 29,797. 11 Claims. (Cl. 91-70.)

6. A waterproofing composition for paper cartridge shell bodies comprising Chinese wood oil and a drier of manganese resin and lead oxide digested in carbon tetrachloride.

11. The method of preparing a waterproofing composition for paper cartridge shell bodies comprising heating a polymerizable oil and a drier together to partially polymerize the oil and while heated digesting the same in a volatile solvent.

1,738,629. HECTOGRAPH DUPLICATING COPYING MACHINE. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a Corporation of West Virginia. Filed Feb. 4, 1928. Serial No. 251,927. 11 Claims. (Cl. 101-133.)

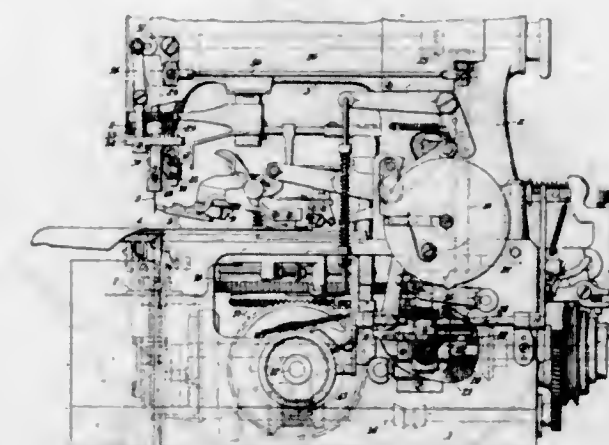


1. In a machine of the class described, a platen roll, a brake block moving longitudinally of the axis of the roll and adapted to clamp and prevent rotary movement of the roll as the same is moved bodily up and down impressing the paper onto the gelatin pad and means for disengaging the said brake block to permit the revolution of the said roll freely as the paper is impressed upon the gelatin pad sheet.

1,738,630. WAXLIKE PRODUCT AND THE METHOD OF PRODUCING THE SAME. WILBUR L. WRIGHT, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed Dec. 7, 1925. Serial No. 73,720. 6 Claims. (Cl. 87-19.)

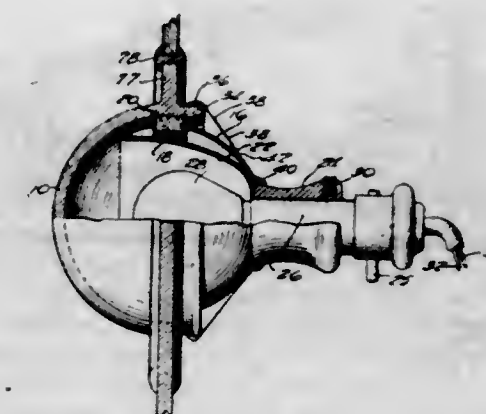
6. A light-colored wax-like product comprising a wax of vegetable or insect origin, and not more than approximately two percent sulfur.

1,738,631. BUTTONHOLE-SEWING MACHINE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Dec. 24, 1927. Serial No. 242,381. 4 Claims. (Cl. 112-158.)



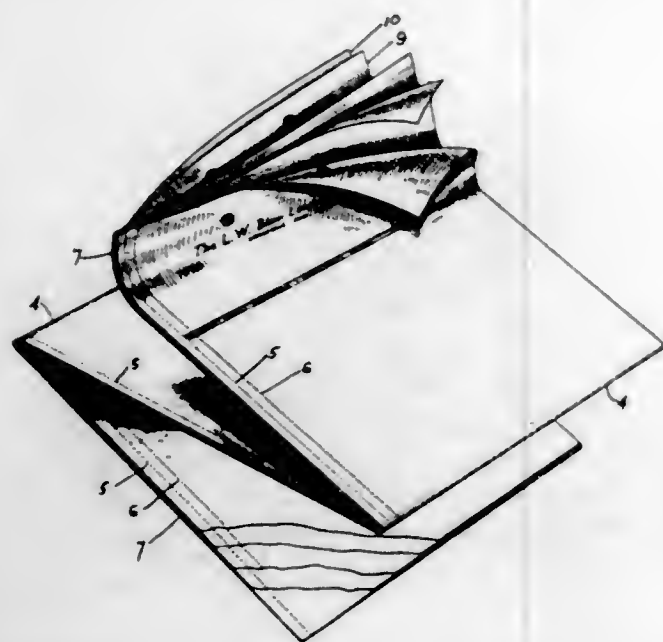
1. A buttonhole sewing machine having, in combination, buttonhole cutting mechanism, stitch-forming mechanism including a reciprocating and laterally vibrating needle making a lateral vibration after each reciprocation, a work-clamp, and means for relatively feeding the stitch-forming mechanism and work-clamp only after each two reciprocations of the needle, the stitch-forming mechanism and work-clamp being held relatively stationary during the interval between the two reciprocations of the needle preceding each feeding movement.

1,738,632. DIRIGIBLE LIGHT AND MOUNTING THEREFOR. JOSEPH BERGE, Montclair, N. J. Filed May 16, 1925. Serial No. 30,841. 14 Claims. (Cl. 240-61.)



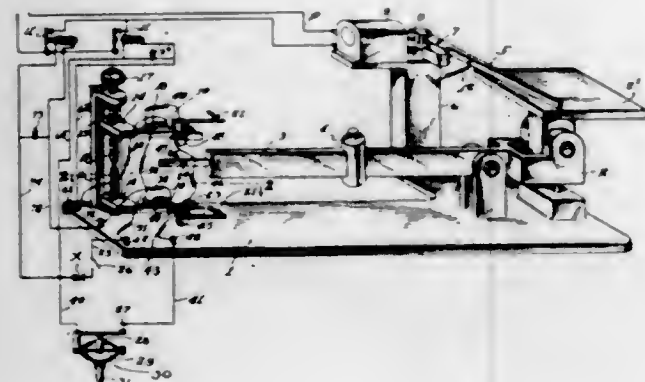
9. The combination with a window pane, of a diaphanous portion thereon having a socket bearing open at the rear, a light emitting device including a reflecting element received within the open end of said socket bearing and coating therewith to form a universal joint, and serving to direct the light through the diaphanous wall portion of said socket bearing, a ring of yieldable material disposed intermediate of said socket bearing and said reflecting element to provide a closed joint therebetween in the various positions of said element, and an elastic boot connecting said diaphanous portion and said light emitting device to provide a seal at the rear thereof, and to return said light emitting device to normal position.

1,738,633. MANIFOLDING BOOK. HORACE P. BROWN, Emeryville, Calif. Filed May 28, 1925. Serial No. 33,404. 9 Claims. (Cl. 282-12.)



7. A work web including two groups of strips, the groups of each series in superposed relation and adhesively attached to each other, one of said groups having an extension to one side of the line of attachment of its strips to each other, said extension being adhesively attached to the other group.

1,738,634. AUTOMATIC ACCEPTING AND REJECTING MACHINE. THOMAS W. BRYANT, Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Aug. 17, 1925. Serial No. 50,820. 16 Claims. (Cl. 209-121.)

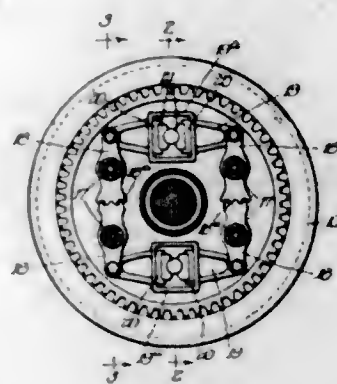


1. In a bottle-testing machine, weighing scales, a kicker member, an electric circuit controlling the kicker member, a switch in said circuit, a switch-operating member, and an electro-magnet for controlling said switch-operating member.

1,738,635. DRIVING COUPLING. JACOB BUEHLI, Winterthur, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed Feb. 28, 1927. Serial No. 171,401, and in Germany and Switzerland Mar. 8, 1926. 6 Claims. (Cl. 105-132.)

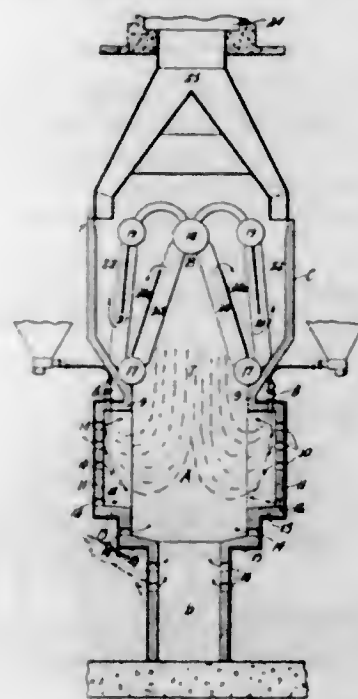
2. In a driving coupling, the combination with relatively movable rotary driving and driven elements, of

crank pins rigidly connected to the different elements, and flexible driving connections between the crank pins on different elements, said flexible connections comprising intermeshing segments pivoted on the pins on one element



and bearing members connecting said segments to crank pins on the other element, said bearing members accommodating movement of said last mentioned crank pins in directions longitudinally and transversely of the axes of said elements.

1,738,636. FURNACE FOR BURNING FINELY-DIVIDED FUEL. VIRGINIUS Z. CARACISTI, Bronxville, N. Y., assignor to Locomotive Pulverized Fuel Company, New York, N. Y., a Corporation of Delaware. Original application filed May 6, 1921, Serial No. 467,345. Divided and this application filed Dec. 1, 1925. Serial No. 72,447. 1 Claim. (Cl. 110-28.)

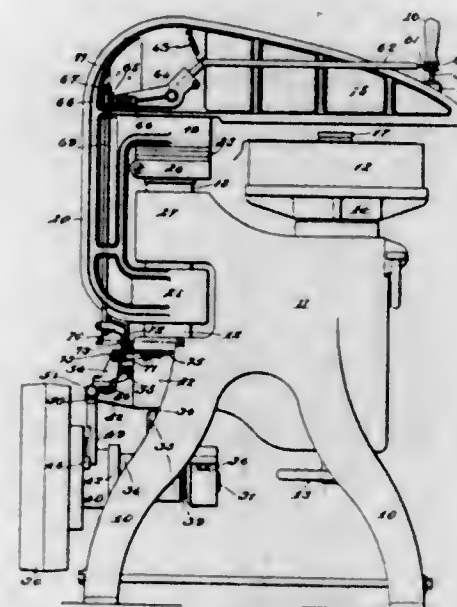


In combination, a combustion chamber having a central draft outlet in the upper part thereof, means for admitting finely divided fuel into the chamber in a vertically downward direction at opposite sides of the draft outlet so that each fuel and flame stream under the influence of the draft describes a U-shaped course from the point of admission to the outlet with the ascending legs thereof merging.

1,738,637. PRESS FOR CUTTING OR PUNCHING SHEET MATERIAL. AXEL FOLKE CARLSON, Cambridge, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Nov. 10, 1926. Serial No. 147,470. 1 Claim. (Cl. 164-23.)

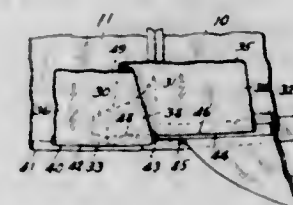
In a clicking press, a work support, a presser swingable laterally over the work support, a power clutch, a

clutch lever for throwing the clutch into and out of operation and carrying a concentric arc-piece, a connecting rod movable up and down and partaking of the swinging movements of the presser and carrying a contact engaging said arc-piece, whereby the rod may throw the lever in any swung position, a control lever movably



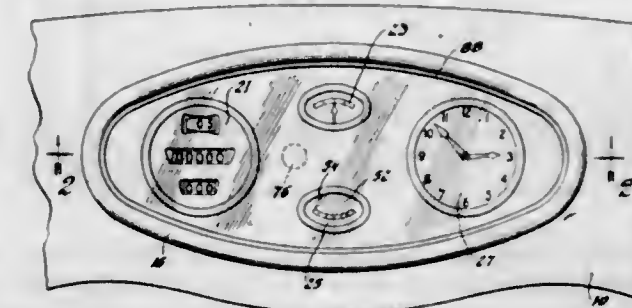
mounted with handle at the free end of the presser; said control lever having a latch part, and said rod having a latch part at its top end engaging the first latch part, the second latch part having a cam surface, and a fixed part cooperating with said cam surface to throw the second latch part and disengage the latch when said rod is moved by the control lever.

1,738,638. ADJUSTABLE CAP. JULIUS CARLSON, Brooklyn, N. Y. Filed Dec. 5, 1927. Serial No. 237,604. 2 Claims. (Cl. 2-197.)



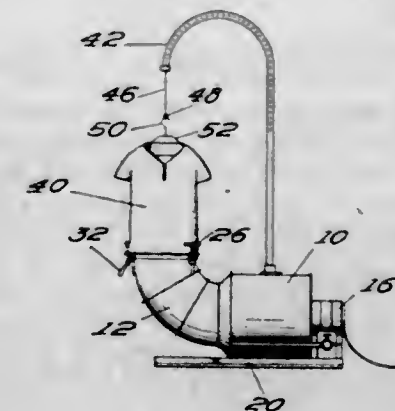
1. In an adjustable cap having front and rear sections relatively movable at their lower edges, a lining having a permanently formed fold, stitching securing the fold to the lower edge of the rear section, stitching securing the front part of the lining to the front section leaving an unseamed lower edge on said lining behind the fold and substantially equal in extent to the width of the fold at its lower edge, a tongue on the front section passing between the fold and the rear section and projecting rearwardly of said fold, straps secured to the rear section at the sides thereof and passing about the front section to the front of the cap, and means for varying the effective lengths of said straps.

1,738,639. INSTRUMENT PANEL. ALBERT CHAMPION, deceased, Flint, Mich., by Basil W. de Gulchard, Flint, Mich., and Detroit Trust Company, Detroit, Mich., executors, assignors to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Feb. 23, 1928. Serial No. 256,435. 5 Claims. (Cl. 180-90.)



1. An instrument panel comprising an apertured face and an instrument housing integrally cast together, and means for supporting a light source opposite said housing, instrument mechanism being mounted within the housing and said housing being provided with means for admitting light to said mechanism from said source.

1,738,640. STEAM FAN DRIER. WILLARD M. COFFIELD and THOMAS C. MOORE, Little Rock, Ark. Filed Jan. 3, 1928. Serial No. 244,128. 1 Claim. (Cl. 34-26.)

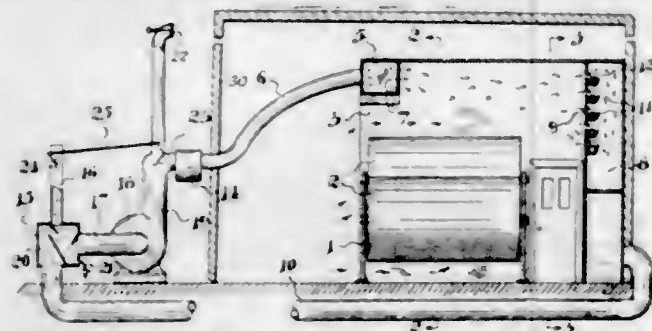


A fan drier comprising a casing, fan blades in the casing, a motor for rotating the blades, a spout extending from the casing, and means for supporting a garment at the end of said spout, said means comprising a support and tension means in the support for automatically maintaining the garment in an upright position, said tension means comprising a weight slidable in the support, a supporting wire for the weight and means at the further end of said supporting wire for attaching a garment thereto, and means adjacent the upper end of the spout for clamping the lower edge of the garment, said means comprising manually operated spring clamps, and a single spring for the clamps, said spring surrounding the circumference of the spout and positioned against the movable arms of all of said clamps.

1,738,641. METHOD AND APPARATUS FOR REMOVING VAPORS. HENRY W. COWAN, Toronto, Ontario, Canada. Filed Apr. 4, 1927. Serial No. 180,903, and in Canada Oct. 29, 1926. 9 Claims. (Cl. 34-48.)

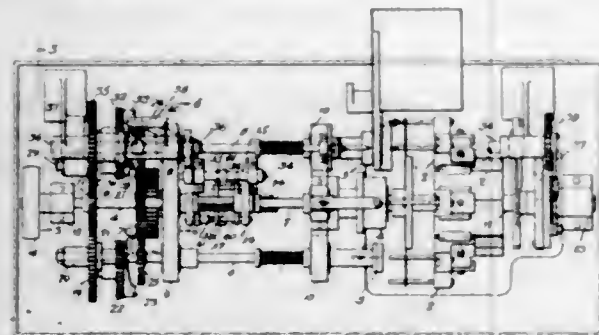
1. The process of preventing vapors arising from heated liquid or moisture containing material located

in a partially open housing from escaping into a room in which said housing is located, which consists in constantly supplying hot air to said housing for moisture-absorbing purposes, and continuously withdrawing air



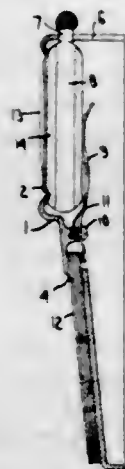
and vapor from the housing at a rate greater than the combined inflow of hot air and formation of vapor whereby a constant inflow of air is maintained through the open portion of the housing.

1,738,642. BOLT-FINISHING MACHINE. HUBERT CREHAN and WILLIAM A. CREHAN, Pittsburgh, Pa. Filed Mar. 13, 1925. Serial No. 15,249. 8 Claims. (Cl. 10-57.)



1. In a bolt finishing machine the combination of a spindle, an operating head on said spindle, a main shaft, a gear on said main shaft, a pinion on the spindle meshing with said gear for rotating the spindle, a second gear operatively connected with said main shaft, a cam on said gear bearing directly against the end of the spindle opposite that which carries the operating head for advancing the spindle and operating head, a rotatable bolt carrier, a shaft operatively connected with said bolt carrier for rotating the same, and a member on the gear carrying the spindle advancing cam and positioned thereon with respect to the operating face of the spindle advancing cam for controlling rotation of said shaft.

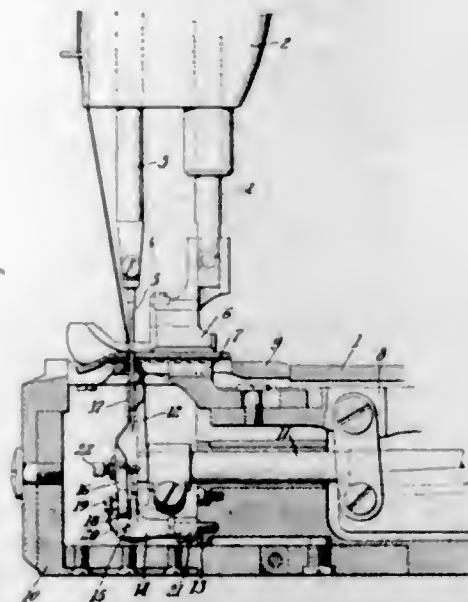
1,738,643. WATCH SUPPORT. ERNEST G. DANN, Chicago, Ill. Filed Aug. 13, 1925. Serial No. 50,065. 1 Claim. (Cl. 58-56.)



A desk facility comprising a shell of rigid material open at the bottom and providing a top plate and de-

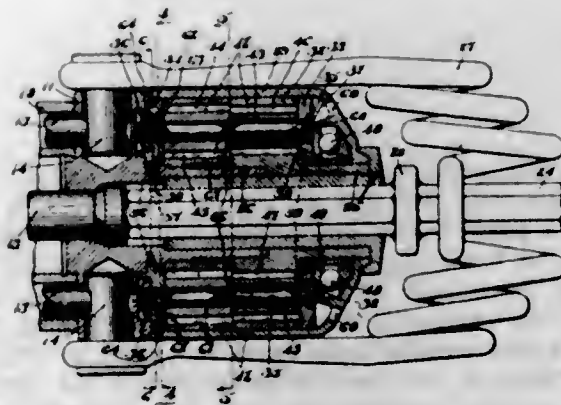
pending marginal flange, said flange having a slot open at one end and extending close to the top plate to receive the stem of a timepiece, the upper portion of said top plate having a circular opening defined by an intumed flange adapted to suitably space a timepiece beneath said opening, a stud provided at a central point beneath said top plate, a spring mounted on said stud and adapted to engage said timepiece to position the same with its dial exposed beneath said circular opening.

1,738,644. LOOP-FORMING DEVICE FOR SEWING MACHINES. GEORGE S. GATCHELL, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 30, 1927. Serial No. 170,426. 6 Claims. (Cl. 112-227.)



1. The combination with a sewing machine having a reciprocating needle and a rocking and sliding looper-shaft, of a loop-forming device detachably mounted as a unitary assembly at the end of said looper-shaft, independently of the sewing machine mechanism, and including a loop-engaging member movable laterally toward and away from the needle in timed relation with the advance and recession of the looper.

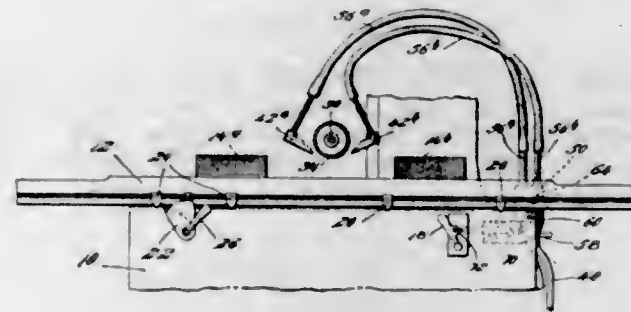
1,738,645. ROTARY FLUID-PRESSURE MOTOR. GEORGE H. GILMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Aug. 17, 1918. Serial No. 250,389. Renewed July 8, 1927. 28 Claims. (Cl. 121-7.)



1. A fluid pressure motor comprising a casing providing chambers communicating with each other, a central cylindrical element rotatably mounted in one of

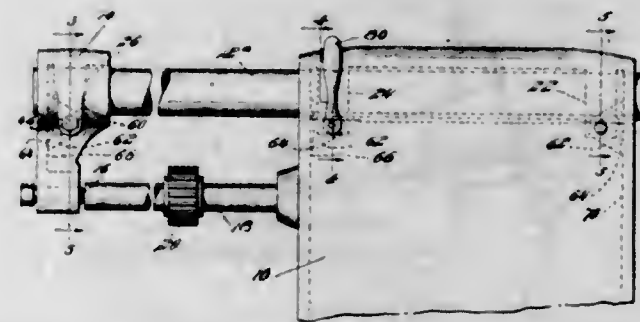
said chambers, a second element rotatably mounted in another of said chambers and cooperating with said central element to form a fluid pressure receiving pocket of increasing volume as said elements revolve on their axes, means supporting said casing for rotation whereby said second element may traverse an orbit about the axis of said central element, and means for supplying motive fluid to said elements.

1,738,646. COOLANT SUPPLY FOR MILLING MACHINES. BENJAMIN P. GRAVES, Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 30, 1926. Serial No. 98,500. 13 Claims. (Cl. 90-11.)



1. In a machine, in combination, rotary cutting means mounted thereon, a reciprocating work support mounted thereon adapted to hold pieces of work on opposite ends thereof and to advance them alternately into operative cutting relation to said cutting means, means to change the direction of travel of said support, a plurality of means to supply a coolant to the cutting edge of said means against the work and means controlled by the movement of the support to alternately supply said coolant to the desired relative cutting side of said cutting means and to shut off the supply of coolant from the opposite side as desired.

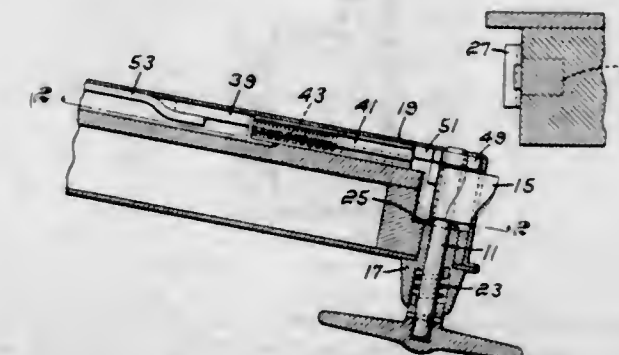
1,738,647. MACHINE CLAMP. BENJAMIN P. GRAVES, Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 31, 1926. Serial No. 98,765. 4 Claims. (Cl. 90-18.)



1. In a milling machine, a column, two overhanging arms, parallel bearings for said arms extending transversely of said column in the same horizontal plane to form a base line for the cutter comprising, a front set of bearings each having a vertical split and an inner flexible portion separated by said split from the other outer portion and a similar back set, clamping means connecting said portions to simultaneously draw the inner flexible portion of each bearing of each set substantially equal amounts toward the other outer portion in a uniform plane to simultaneously clamp each bearing of a set to its respective overhanging arm, a manually operated device for simultaneously operating the clamping means of both sets of

bearings, an arbor yoke adapted to support a cutter arbor detachably mounted on said arms containing parallel bearings for each arm extending transversely thereof in line with the bearings in the column each having a vertical split and an inner flexible portion separated by said split from the other outer portion thereof and clamping means connecting said portions to simultaneously draw the inner flexible portion of each bearing substantially equal amounts to its overhanging arm in a plane uniform with the plane of the clamping action of the column bearings.

1,738,648. LATCH. BICKNELL HALL, Quincy, Mass. Filed Apr. 29, 1927. Serial No. 187,527. 12 Claims. (Cl. 292-241.)

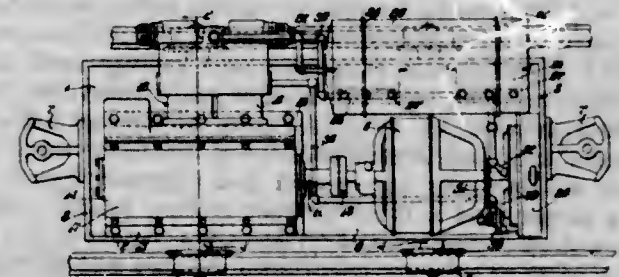


1. In a latch for closures a keeper and a rotatable bolt adapted to roll into interlocking engagement with the keeper, an arm on the tail of the bolt, a tumbler cooperating with said arm to wedge the same to prevent reverse rotation of the bolt and means controlling the tumbler.

1,738,649. MANUFACTURE OF ACETALDEHYDE. CARL N. HAND, THOMAS W. BARTRAM, and AYLMEY H. MAUDE, Nitro, W. Va., assignors to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Filed Apr. 12, 1926. Serial No. 101,562. 2 Claims. (Cl. 260-139.)

1. The process for the manufacture of acetaldehyde which comprises heating a solution of from 25 to 30% sulfuric acid to a temperature of approximately 68° C. flowing a stream of acetylene at a pressure substantially 10 pounds above atmospheric pressure through said acid solution, adding to the acid a sufficient quantity of mercurous sulphate to maintain the temperature of the acid-catalyst mixture at from 68 to 80° C., removing entrained water and acid from the mixture of acetylene and acetaldehyde so obtained, separating the acetaldehyde from the mixture of aldehyde and acetylene, and returning the acetylene to the acid solution for further reaction therewith.

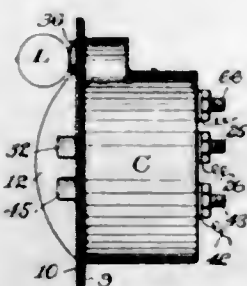
1,738,650. PORTABLE COMPRESSOR OUTFIT. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 28, 1927. Serial No. 209,156. 11 Claims. (Cl. 105-27.)



1. In a portable compressor outfit, a portable base frame, a motor mounted thereon offset from a position midway be-

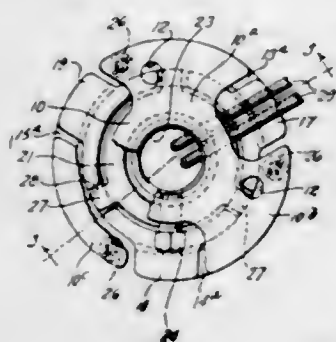
tween the sides of said frame with the motor shaft extending parallel with the center line of the frame, a compressor connected to said motor and having a horizontal compressing cylinder extending transversely of said frame, and a receiver tank mounted alongside said motor with its longest dimension extending parallel to said motor shaft.

1,738,651. ELECTRIC-CURRENT MEASURING AND INDICATING MEANS. MASON J. HUGGINS, Upper Saddle River, N. J., assignor to Autometer Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1924. Serial No. 694,223. 1 Claim. (Cl. 177-311.)



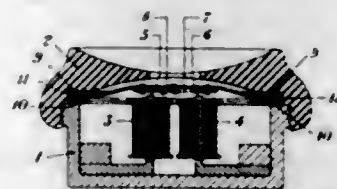
In an electric indicating system for motor vehicles, a battery, an electric indicating instrument connected in a normally open circuit with the battery and influenced by the current flow from the battery, a lamp carried by the instrument in open circuit therewith, means carried by the instrument operative to close the instrument circuit to effect actuation thereof by the current flow from the battery and indicate the condition thereof and simultaneously close the lamp circuit, and a thermostatic switch connected in open circuit with the lamp and battery operative at a predetermined temperature of the heat developed by the engine to close the lamp circuit for the purpose specified.

1,738,652. SUPPORTING FIXTURE. GEORGE E. HULSE, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed July 14, 1927. Serial No. 205,599. 3 Claims. (Cl. 240-85.)



1. In a supporting fixture for lamps or the like, in combination, a member adapted to be secured to a ceiling and having a plurality of depending supporting arms, said arms being shaped to provide upwardly facing supporting surfaces, a member fitting within said arms and having a plurality of outwardly extending lugs resting upon said supporting surfaces, said last member being removable from said first member by relative rotary movement between said members, said second-mentioned members being interiorly substantially cup-shaped and adapted thereby to form a socket, and a third member resting loosely within said cup-shaped member and within the compass of the depending arms of said first-mentioned member and having a rounded outer surface substantially seating within the socket portion of said second-mentioned member, and means adapted to secure a device to said third-mentioned member and adapted to depend therefrom.

1,738,653. TELEPHONE RECEIVER. ALFRED H. INGLIS, Orange, and RAYMOND GUENTHER, Paterson, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 24, 1925. Serial No. 71,231. 9 Claims. (Cl. 179-115.)



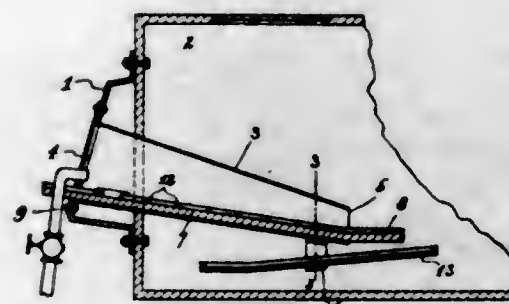
4. A telephone receiver including a magnetic device, a floating diaphragm, and a permalloy member fixedly mounted on said diaphragm in proximity to said magnetic device.

1,738,654. ACOUSTIC CONTROL WALL. ROY WALTER JAMES, Covina, Calif., assignor of forty-nine one-hundredths to Maurice Haydis, Los Angeles, Calif. Filed Oct. 10, 1925. Serial No. 61,764. 4 Claims. (Cl. 20-4.)



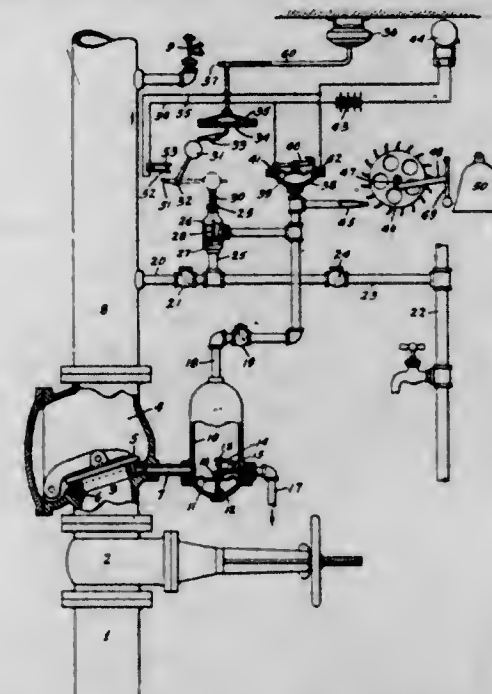
1. A hollow wall having openings extending through one side thereof and convergently tapering toward the hollow interior of the wall, with all sides of the larger ends of next adjacent openings meeting at angular edge at the outer surface of said side of the wall, and the restricted inner ends of said openings spaced apart an appreciable distance at the inner surface of said side of the wall.

1,738,655. OIL BURNER. HENRY L. JESSEN, Alameda, Calif. Filed Apr. 13, 1927. Serial No. 183,604. 3 Claims. (Cl. 158-91.)



2. The combination with a stove having an opening through one of its walls, a supporting plate having a portion offset from the wall of the stove, an inwardly and downwardly tapering conduit supported at its outer end by the supporting plate, a gasifying plate supported by the bottom wall of the conduit, said plate having its inner portion lying in parallelism with the bottom of the stove, a combined drip and gasifying plate extending beyond the inner end of the first named gasifying plate and extending forwardly and downwardly with the forward portion thereof lying in substantial parallelism with the bottom of the stove, a bracket for supporting the gasifying plates in spaced relation, and an oil feed pipe extending through the first mentioned gasifying plate for delivering fuel oil thereto.

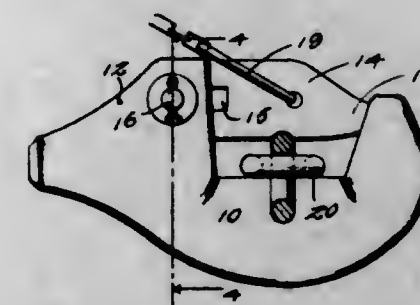
1,738,656. AUTOMATIC THERMAL SIGNAL ACCELERATOR FOR FIRE-EXTINGUISHING SYSTEMS. ERNEST A. LOWE and JOHN R. HAMILTON, Cleveland Heights, Ohio, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio, a Corporation of Delaware. Filed Mar. 12, 1927. Serial No. 174,889. 23 Claims. (Cl. 160-23.)



1. In an automatic fire extinguishing system, the combination of a fuse-controlled outlet in the area to be protected, an alarm or signal apparatus for giving a signal upon the establishment of the flow of the fire extinguishing medium due to the action of said fuse and an independent sensitive thermostat and an alarm or signal controlled thereby, said independent thermostat and signal acting in response to heat in the area in which said fuse is located and in advance of the first-named signal.

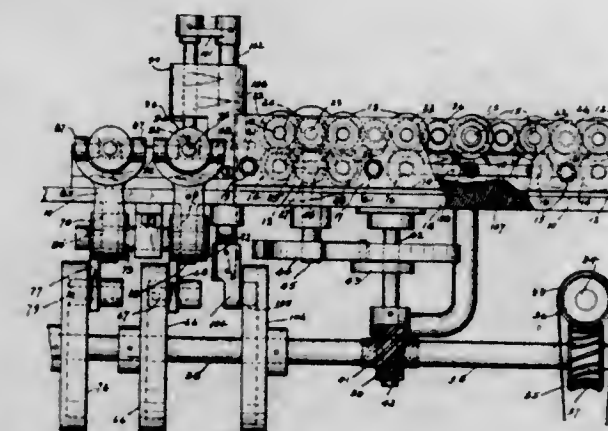
8. In a fire extinguishing system, the combination with means for giving a signal, two independent sources of fluid supply for actuating the signal device, a thermostatically controlled valve controlling the passage of said fluid to the signal device and a check valve interposed between the thermostatically controlled valve and each source of fluid supply.

1,738,657. TRIP HOOK. ROBERT N. LYON, Coeur d'Alene, Idaho, assignor of one-half to Marion W. Lawson, Coeur d'Alene, Idaho. Filed Jan. 13, 1928. Serial No. 246,632. 2 Claims. (Cl. 294-83.)



1. A trip hook including a body having a bifurcation and a bill having an opening, a detent having a slot in one end and said end disposed within said bifurcation, a pin disposed through the sides of the bifurcation and through said slot whereby the detent is slidable longitudinally of the hook into and out of said opening, and pivotally movable toward and away from the bill of the hook the other end of the detent being engaged in said opening, and a spring in the bifurcation engaged with the detent for yieldably maintaining the latter in said opening.

1,738,658. METHOD AND MACHINE FOR MAKING PLATE ELECTRODES. HARRY DE FOREST MADDEN, Montclair, and JOSEPH KIRBY, Newark, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 17, 1925. Serial No. 37,691. 17 Claims. (Cl. 153-2.)



1. A machine for producing a tubular body from a strip comprising a plurality of pairs of oppositely disposed rotatable members for engagement with opposite sides of a strip to drive the same through a given path, the contact surfaces of said pairs of members decreasing in area in the direction of movement of said strip and operating to bend the strip to trough-shape and redprovable forming members for imparting a final bend to the strip to produce a tubular body.

16. The method of forming a radiotron plate which consists in shaping a strip of metal to trough-shape, moving the trough-shaped strip a predetermined distance, temporarily terminating such movement severing the strip to remove a piece therefrom equal in length to the distance through which the same has moved, moving the trough-shaped piece over a forming die and shaping the piece by pressing against the die.

1,738,659. ALDEHYDE MANUFACTURE. AYLMEY H. MAUDE, Nitto, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio, a Corporation of Ohio. Filed June 29, 1927. Serial No. 202,466. 11 Claims. (Cl. 260-140.)

1. The process of manufacturing an unsaturated aldehyde which comprises adding to an aldol a substantially water-insoluble metallic hydroxide, and a concentrated mineral acid, and heat-treating the mixture so obtained.

11. In the process of manufacturing crotonaldehyde from acetaldo, the step which comprises heat treating the aldol in the presence of concentrated phosphoric acid with less than an equivalent amount of aluminum phosphate.

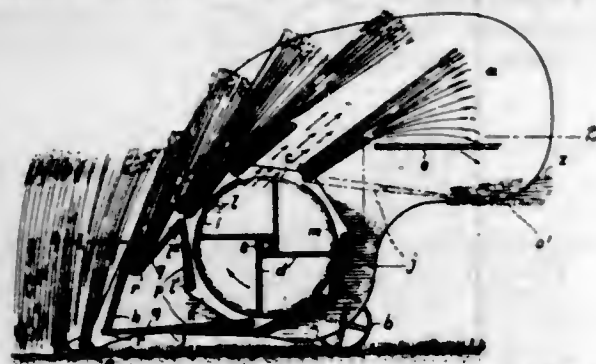
1,738,660. PROCESS FOR DYEING CELLULOSE ACETATE SILK. RICHARD METZGER, Heidelberg, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed July 7, 1925. Serial No. 42,046, and in Germany July 11, 1924. Divided and this application filed Sept. 27, 1927. Serial No. 222,897. 4 Claims. (Cl. 8-5.)

1. The process of producing dyeings on cellulose acetate silk, which comprises employing a substance, suitable for dyeing cellulose acetate silk, difficultly soluble in water, in conjunction with a sulfonated mineral oil.

1,738,661. MOWING MACHINE. JOHANN MATHIAS MICHEL, Beak, Holland. Filed July 9, 1927. Serial No. 204,612, and in Germany July 13, 1925. 2 Claims. (Cl. 56-153.)

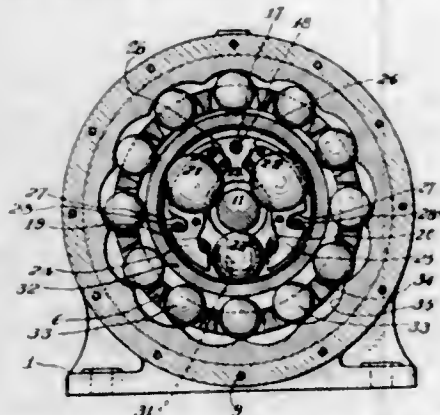
1. A mowing machine, comprising in combination with a stationary blower drum having an outlet opening at the

top, elevating plates for permanently elevating the cut stalks for bringing the same to said outlet opening of said stationary drum so that a group of stalks is separated



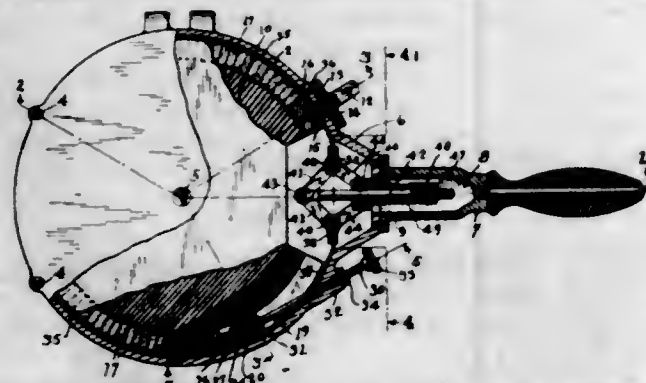
by the out-flowing air current from the following stalks the stalks being disentangled at the same time, and a movable platform on which the separated group of stalks is deposited.

1,738,662. BALL TRANSMISSION. GEORGE SMITH MORRISON, Pittsburgh, Pa., assignor to Morison Incorporated, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 20, 1927. Serial No. 162,310. 12 Claims. (Cl. 74-14.)



1. In a roller transmission comprising a central shaft, a plurality of revolvable rollers spaced apart around and bearing on the shaft, two of said rollers being of unequal diameters, a rotatable ring enclosing and bearing upon the said rollers and eccentrically positioned with respect to the shaft, and means to insure maintenance of properly spaced relation of the rollers to each other and to their inner and outer raceways, said means comprising a cage pivotally connected to one of the rollers and movable with respect to the other rollers, a bearing member attached to a second roller and a connection from said bearing member to the cage whereby movement of the second roller away from the pivot roller tends to rock the cage on the said pivot roller, a second bearing member attached to a third roller and a connection from the second bearing member to the cage, whereby rocking of the cage on the pivot roller caused by movement of the second roller away from the pivot roller causes movement of the third roller member toward the pivot roller.

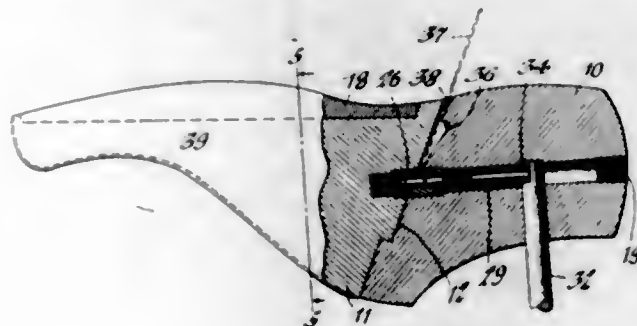
1,738,663. ELECTRIC HEATER. STERNE MORSE, Cleveland Heights, Ohio. Filed Sept. 24, 1927. Serial No. 222,476. 25 Claims. (Cl. 219-37.)



1. An electrical heating unit comprising a resistance element composed of contacting electrically conductive re-

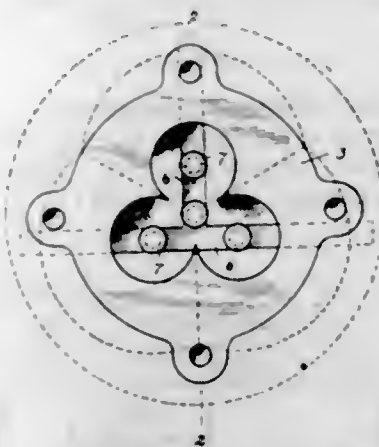
sistor bodies, confining means electrically insulated from said resistor bodies and disposed in heat receiving relation thereto, said confining means having a coefficient of thermal expansion relatively high as compared to that of said resistor bodies and adjustable pressure applying means engaging one end of the resistance element and having a part in contact with the resistance element throughout the length thereof.

1,738,664. SHOE LAST. JOSHUA KING NORTHRUP, Ellicottville, N. Y. Filed Mar. 7, 1928. Serial No. 259,809. 2 Claims. (Cl. 12-135.)



1. A shoe last, comprising separable, slidably connected heel and fore part sections having an interlocking tongue and groove, the joint face of one of the sections having an opening and a stop shoulder spaced therefrom, a spring-pressed locking bolt mounted in one of the sections and normally engaging the opening in the other section to lock them against sliding movement, said bolt being arranged to engage said stop shoulder in a partially separated position of the sections, and a releasing member arranged to engage said locking bolt, the latter being adapted to be held in its released position by a tool insertable between the joint faces of the sections and extending over said shoulder for effecting a complete separation of the sections.

1,738,665. PEAT-FUEL MACHINE. RAYMOND E. OBER, Crosby, Minn. Filed Aug. 16, 1927. Serial No. 212,939. 3 Claims. (Cl. 25-17.)

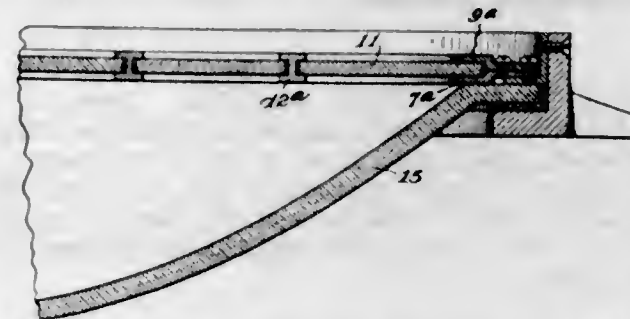


2. A peat fuel die comprising a truncated cone whose bore is of multiple lobe shape in cross section, and spaced cores centrally of said bore, one of said cores being axially of the cone and the others axially of the lobes.

1,738,666. LIGHTING FIXTURE. EBEN F. OLIVER, Jersey City, N. J., assignor to Korrektorite Company, Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1927. Serial No. 205,908. 1 Claim. (Cl. 240-41.)

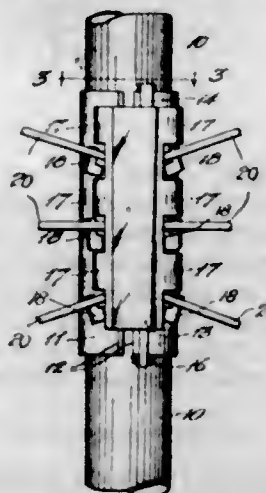
The combination with an open-mouth reflector containing a light source, of a closure for the open mouth including: a support, an outwardly bulging and unbroken outer lens, a color medium to modify the light and consisting of

a plurality of members placed side by side in a straight plane intermediate the source of light and the outer lens, overlapping means associated with the sides of said mem-



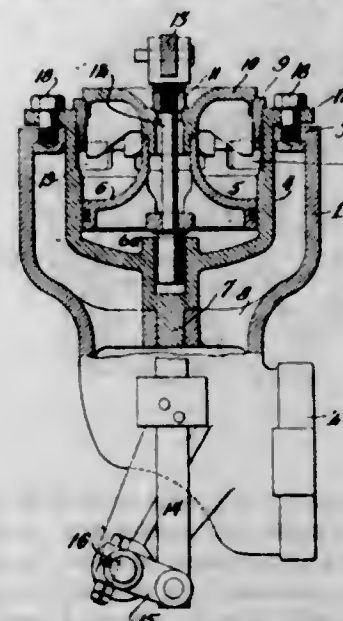
bers to admit of expansion and contraction of the said members and to prevent leakage of unmodified light, and means to clamp the edges of the members and the edge of the lens to the support.

1,738,667. WELL-DERRICK CONSTRUCTION. GEORGE G. REEVES, Shreveport, La. Filed Feb. 7, 1928. Serial No. 252,484. 5 Claims. (Cl. 189-19.)



1. In a well derrick construction, a corner post coupling including a longitudinally split tubular body having its longitudinal edges flanged outwardly, girt and brace rods, interfitting lug and socket connections formed on said body and the ends of said rods, a channel clamp engaging said flanges and arranged to engage the connections and prevent disengagement thereof, and a wedge engaging between one of said body flanges and a flange of said clamp.

1,738,668. LOCOMOTIVE-THROTTLE MECHANISM. WILLIAM L. REID, Lima, Ohio. Filed June 18, 1925. Serial No. 37,905. 3 Claims. (Cl. 277-36.)



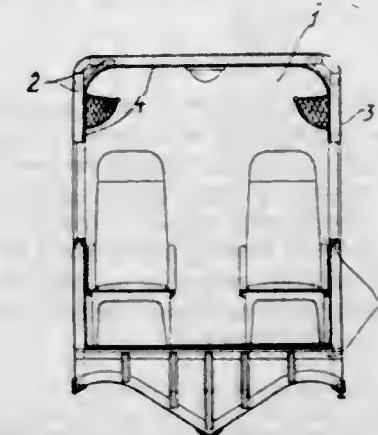
1. Throttle valve mechanism comprising in combination a valve casing having an opening therein and supporting

means therebelow, and a removable cage slidable into engagement with said opening and said means and positioned thereby at its respective ends, together with movable valve parts all mounted in said cage, said parts comprising a main valve seating in the cage, a balancing piston in slidable relation to said cage and valve, and a stem carrying a pilot valve and the piston and being slidably mounted in the cage.

1,738,669. METHOD OF REDUCING RARE REFRACTORY-METAL OXIDES. MALCOLM N. RICH, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Nov. 9, 1927. Serial No. 232,203. 7 Claims. (Cl. 75-17.)

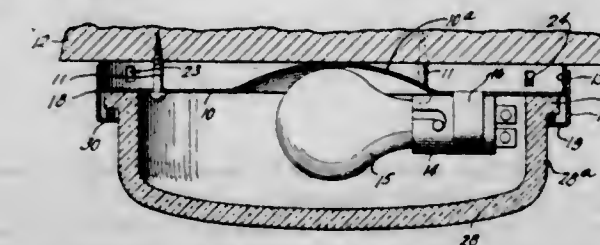
1. The method of producing refractory metals which consists in heating in an hermetically sealed container, a metallic oxide, an alkaline earth metal halide and a calcium-magnesium alloy.

1,738,670. AIRPLANE. ADOLF ROHRBACH, Berlin-Wilmersdorf, Germany, assignor to Rohrbach Patents Corporation, a Corporation of Delaware. Filed Sept. 19, 1927. Serial No. 220,343, and in Germany Sept. 29, 1926. 17 Claims. (Cl. 244-30.)



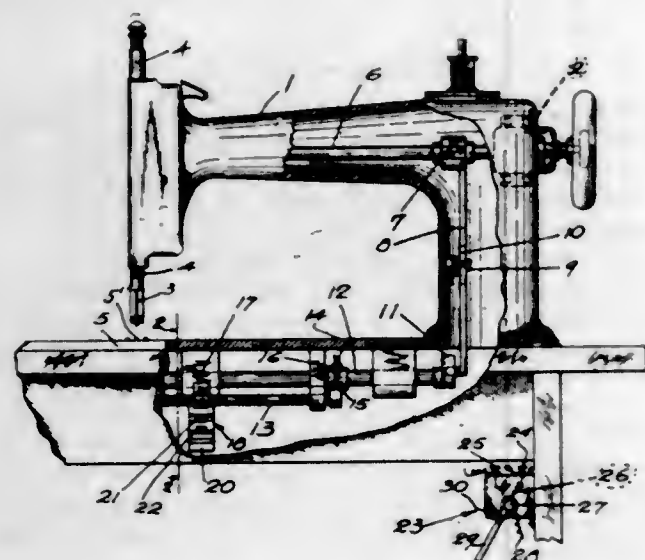
17. A passenger aircraft fuselage comprising a frame structure defining a passenger compartment, an outer wall secured to the frame structure, an inner wall spaced from the outer wall and firmly secured to the inner part of the frame work about said compartment, the inner wall consisting of a material of a different elasticity or density from that of the outer wall and adapted to serve as a sound absorbing or damping material and forming with the outer wall a sound absorbing or damping air chamber cooperatively functioning therewith.

1,738,671. LIGHTING FIXTURE. JOHN RUMPF, New Milford, N. J., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Feb. 17, 1927. Serial No. 168,930. 3 Claims. (Cl. 240-7.35.)



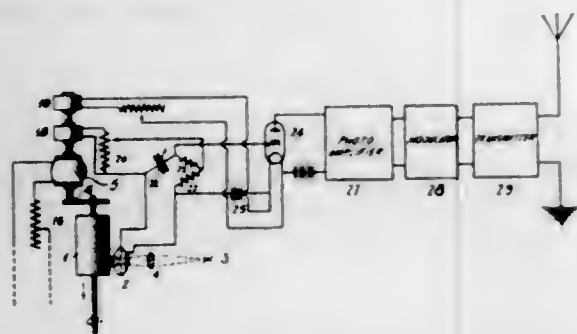
1. In a lighting fixture, in combination, a reflector member flanged at its edges and having a central depression and substantially flat surrounding parts, means adapted to hold said reflector in position against a wall, said reflector having a pair of portions struck free and bent forwardly therefrom, and an electric bulb the illuminating portion of which rests within said depression and the socket portion of which rests against said flat portion of said reflector and is embraced by said bent parts.

1,738,672. SEWING MACHINE. VICTOR GEORGE SAURMAN, Oakland, Calif. Filed Sept. 6, 1927. Serial No. 217,629. 11 Claims. (Cl. 112-219.)



1. In an electric motor driven sewing machine having a needle thereon actuated by said motor to pierce a material; and means driven by said motor in co-relation to the position of said needle to feed the material; a main electric circuit to control the motor; an auxiliary electric circuit actuated by said feeding mechanism for controlling the motor at the material engaging position of the needle; and means to render said auxiliary circuit operative when the main circuit is disconnected.

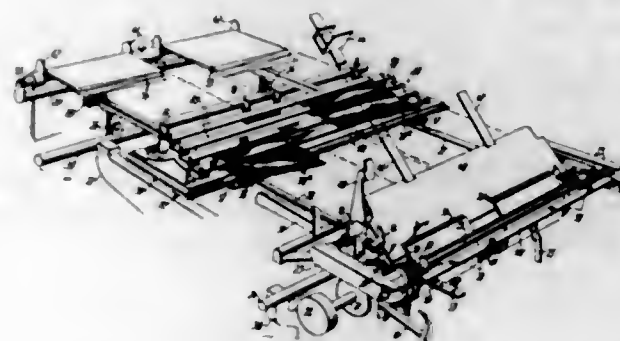
1,738,673. SYNCHRONIZING ARRANGEMENT FOR PICTURE TRANSMISSION. FRITZ SCHROETER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie M. b. H., Berlin, Germany, a Corporation of Germany. Filed Nov. 2, 1927. Serial No. 230,423, and in Germany Nov. 24, 1926. 3 Claims. (Cl. 178-7.)



1. In a facsimile system, a light sensitive relay, means for introducing a carrier frequency potential in the output circuit of said relay, means for translating varying intensities of light and shade in a facsimile to be transmitted into varying intensities of current through said relay and modulating said carrier frequency thereby, a vacuum tube amplifier for amplifying said modulated carrier frequency, means for producing a separate synchronizing frequency, means for applying said synchronizing frequency to the filament member of said vacuum tube amplifier for heating the same and transmitting the said synchronizing pulse as a filament tone, means for transmitting said facsimile modulated carrier and said synchronizing energy, means

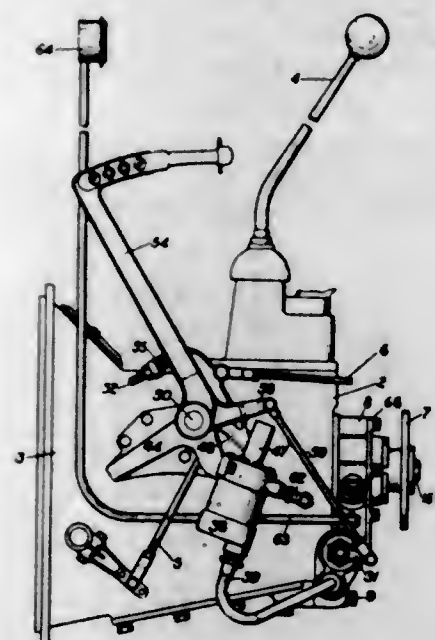
for receiving said transmitted signals, and means at the receiving point for separating the facsimile modulated signals and the synchronizing signals and controlling a receiving system therefrom.

1,738,674. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Original application filed Jan. 12, 1925, Serial No. 1,755. Divided and this application filed Nov. 16, 1927. Serial No. 233,560. 9 Claims. (Cl. 187-126.)



1. A carbon-holding device for use in a typewriting machine with two fan-fold webs arranged side by side, including a base-plate, frames at the outer ends of said base-plate, and carbon-blades of various lengths, each supported at one end on one of said frames, the shorter of said blades extending substantially half the distance between said frames while the longer of said blades extend substantially the entire distance between said frames.

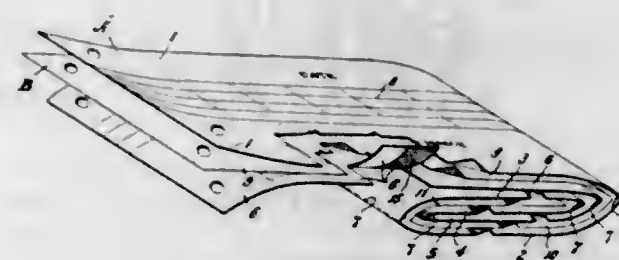
1,738,675. AUTOMATIC BRAKE CONTROL FOR POWER-PROPELLED VEHICLES. EDWIN G. STAUDT, Minneapolis, Minn. Filed May 18, 1925. Serial No. 81,084. 21 Claims. (Cl. 188-152.)



12. A brake control for power propelled vehicles comprising a brake rod actuating mechanism, a fluid pressure pump and a circulating system therefor, a valve in said system adapted to check the flow of fluid from the exhaust side of said pump and thereby set up a pressure in said system, means connected with said valve and having a yielding connection with said brake rod actuating mechanism

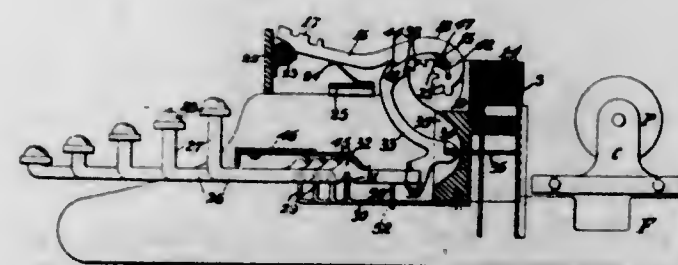
nism for closing said valve upon the initial movement of said brake rod actuating mechanism, and mechanism actuated by the fluid pressure in said system for releasing such pressure on the exhaust side of the pump upon moving a predetermined distance.

1,738,676. MANIFOLDING CHECK. ROBERT P. TEMPLETON, Los Angeles, Calif., assignor to Pacific Burt Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Nov. 20, 1925. Serial No. 70,224. 6 Claims. (Cl. 282-12.)



1. A record packet comprising a bill and an attached stub, an office duplicate bill and a plurality of attached stubs, said bills and stubs attached together in line to form a continuous strip, with the stubs between said bills, the strip being folded on a fold line between stubs to superpose one bill and certain of said attached stubs upon the other bill and remaining stubs, the folded strip being again folded to superpose all said stubs into manifold relation to the bills, said bills being of greater size than the stubs, whereby a portion of each of said bills is not in manifold relation to said stubs, and manifold material disposed to transfer inscription from one bill to the other outside of said stubs and from said bills to said stubs.

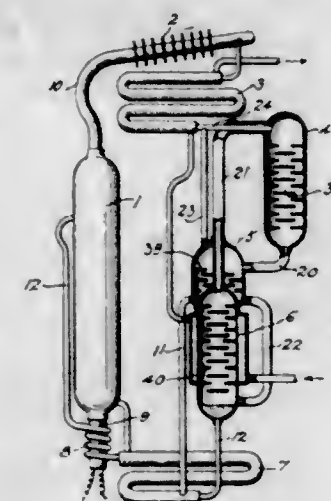
1,738,677. TYPEWRITING MACHINE. RICHARD W. UHLIG, Newark, N. J., assignor to Albert Voight, Brooklyn, N. Y. Filed June 8, 1926. Serial No. 114,380. 14 Claims. (Cl. 197-31.)



1. In a typewriting machine, a typebar pivotally supported at one end and having cogs circularly disposed about its pivoted end, said end portion of the typebar being arranged of arcuate form, a lever one arm of which is in the form of a sector with the outer edge arranged of arcuate form to correspond with and engage the arcuate portion of the typebar to impart the initial movement thereof to printing position and having notches in the inner edge opposite the arcuate portion adapted to be brought into engagement with the cogs of the typebar to

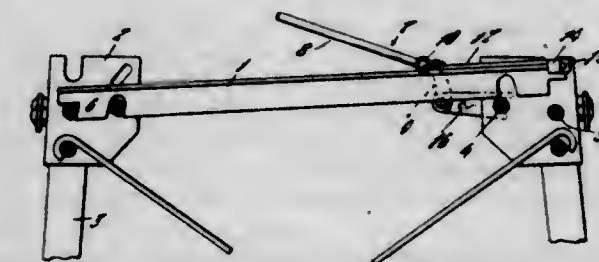
impart the final movement of the typebar to printing position and move the typebar from printing position, and a key lever to actuate the sector lever.

1,738,678. REFRIGERATION. BALTZAR CARL VON PLATEN, CARL GEORG MUNTERS, and SIGURD MATTIAS BÄCKSTRÖM, Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y., a Corporation of Delaware. Original application filed June 3, 1927, Serial No. 196,179, and in Sweden June 9, 1926. Divided and this application filed Mar. 3, 1928. Serial No. 258,963. 5 Claims. (Cl. 62-119.5.)



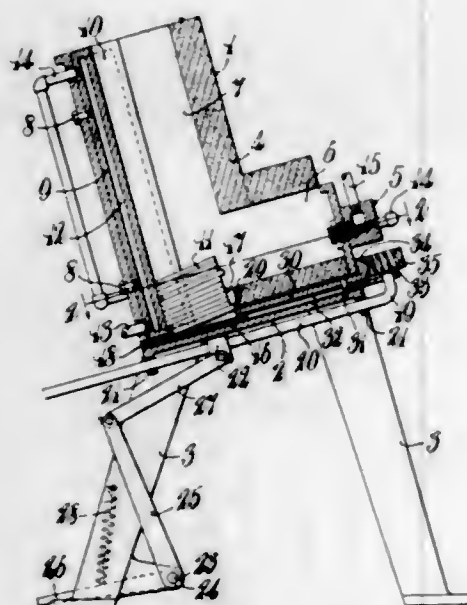
2. In an absorption system, a plurality of evaporators connected in series, a condenser connected to supply liquid refrigerant in parallel to the evaporators and means to flow an inert gas through the evaporators.

1,738,679. JACK TOOL. HOWARD E. WHITE, Holdenville, Okla., assignor to one-half to Harry R. Allen, Holdenville, Okla. Filed Sept. 10, 1928. Serial No. 304,963. 5 Claims. (Cl. 29-84.)



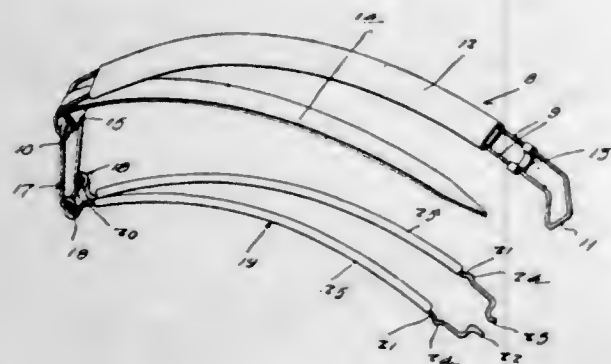
1. For use with the spaced uprights of a sectional derrick, and a girt adapted for disposition between said uprights, a tool for positioning the girt in locked engagement with the uprights, said tool comprising a rockable lever, a member extending laterally from one end of the lever for engagement across the top of the girt, means attached to said member for engagement with one end of the girt, and a bearing element connected with said end of the lever.

1,738,680. FURNACE. WADE H. WINEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 13, 1923. Serial No. 645,039. 34 Claims. (Cl. 262-9.)



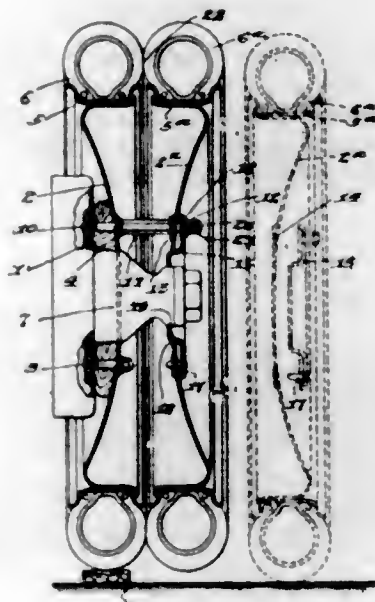
23. In a blank heating furnace, a combustion chamber having a burner therein, inclined air cooled guides formed therein wherein a series of blanks are fed by gravity, and means for supplying pre-heated air from said guides to said burner.

1,738,681. HAIR CURLER. HARRIET BACHLEDA, Minneapolis, Minn. Filed Apr. 15, 1929. Serial No. 355,276. 3 Claims. (Cl. 132-41.)



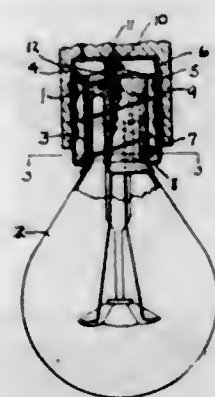
1. In a hair curler of the class described, a main backing member formed at one end with hinge eyes and formed at the opposite end with a laterally bent keeper seat, a retaining clip carried by said backing member, a clamping member disposed in substantial parallelism with the backing member and formed at one end with a hinged knuckle disposed between said hinged eyes and having its opposite end arranged for detachable connection with said retaining clip, a substantially U-shaped link having its bight portion passing through said knuckle and said eye, the arms of said links terminating in pivot eyes, and a hair crimping device constructed at one end for hinged connection with said link eyes and having its opposite end constructed for detachable connection with said keeper seat.

1,738,682. AUTOMOBILE TRACTION DEVICE. ERLE K. BAKER, Chicago, Ill. Filed Mar. 28, 1924. Serial No. 702,617. 3 Claims. (Cl. 301-36.)



1. A multiple disc wheel comprising a hub having spaced flanges, two independent disc wheel structures, a plurality of studs or bolts common to both of the independent disc wheel structures for securing the discs to the hub flanges and spacing means carried by the bolts for spacing the discs.

1,738,683. ANTITHEFT ELECTRIC-LIGHT BULB. SAMUEL F. BASHARA and JAMES W. CAIN, Houston, Tex. Filed June 22, 1925. Serial No. 38,675. 5 Claims. (Cl. 176-31.)

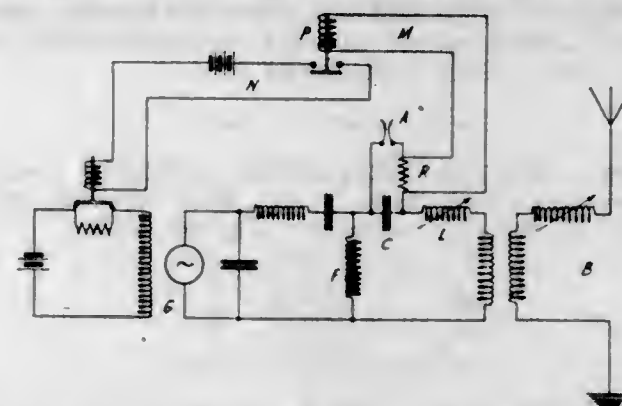


1. In an electric lamp, a bulb, a shank thereon, a cap thereon, a threaded shell normally rotatable on said cap, co-operating teeth on said cap and shell, and means adapted to be inserted between said teeth to connect said teeth whereby said cap and shell are held against relative rotation.

1,738,684. VOLTAGE-LIMITING ARRANGEMENT FOR INTERMEDIATE-CIRCUIT TRANSMITTERS. OTTO BÖHM, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Dec. 15, 1924. Serial No. 755,900, and in Germany Dec. 22, 1928. 5 Claims. (Cl. 250-17.)

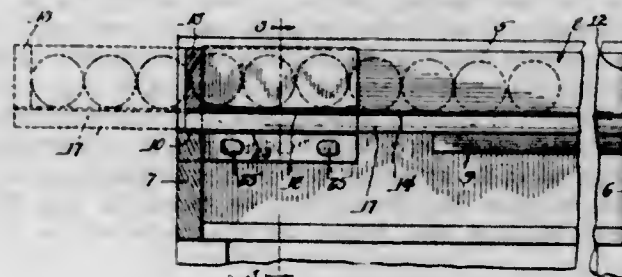
2. In an arrangement for avoiding excessive voltage, the combination of a generator having an output circuit, a

transmitting circuit coupled thereto, an arrester circuit connected to the transmitting circuit and comprising a



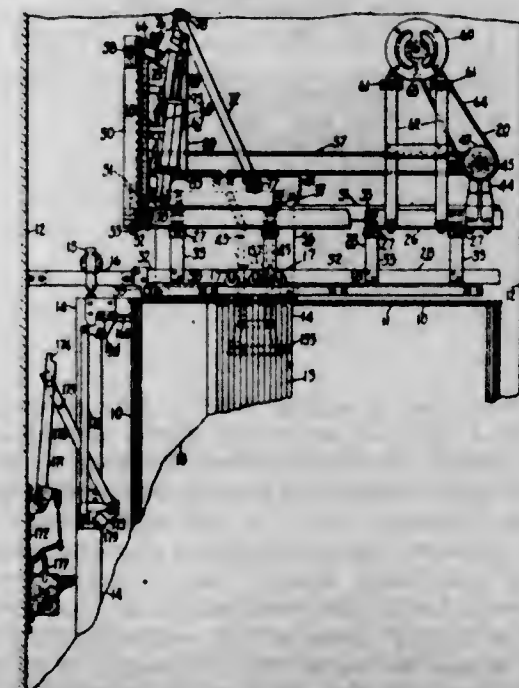
lightning arrester and an impedance, and means controlled by said impedance for lowering the output voltage of said generator.

1,738,685. EGG TURNER FOR INCUBATOR TRAYS. JOHN C. BOHMEYER, Bradley, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Oct. 15, 1927. Serial No. 226,314. 3 Claims. (Cl. 119-44.)



1. The combination with a tray for incubators comprising a frame and an egg supporting surface secured thereto, of an egg turning device secured to the tray and adapted to slide longitudinally over the egg supporting surface to effect the turning of the eggs supported thereon, said device including means rigid therewith arranged to embrace the upper portion of the opposite sides of said frame to guide said device in its travel across the frame.

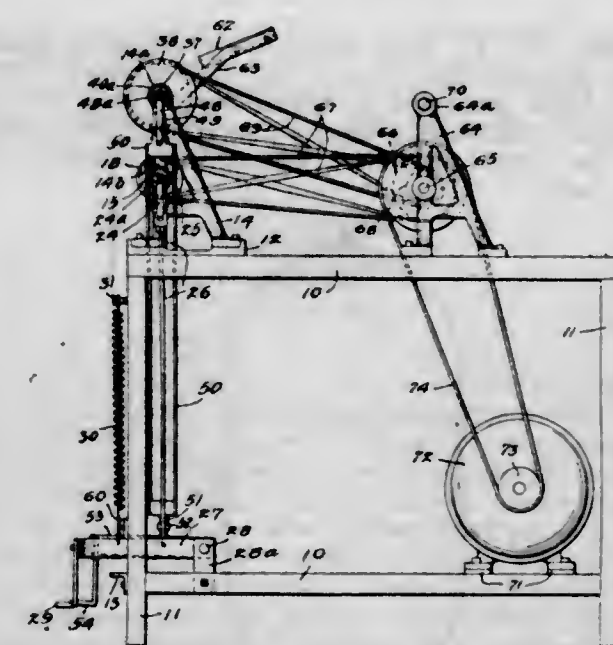
1,738,686. ELEVATOR-DOOR-CONTROL SYSTEM. THOMAS BRADY, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1927. Serial No. 243,600. 10 Claims. (Cl. 187-52.)



5. In an elevator system having an elevator car, a gate for said car, a plurality of shaftway openings and a shaft

door for each of said openings, a car gate and shaft door operating mechanism, said operating mechanism comprising: a carriage; means supporting the carriage for travel parallel to the travel of the gate and the doors to be operated; a shoe mounted upon the carriage; means connecting the car gate to the shoe; means projecting from each of the shaft doors, said shoe embracing the projecting means of any one door upon the car stopping opposite that door; thereby connecting that door to the carriage; an operating chain mounted upon the car and connected to the carriage; a motor mounted upon the car and operably connected to the chain, the motor upon being energized causing the chain to move the carriage in a direction to open the gate and the door, opposite to which the car has stopped; a toggle mounted upon the car and connected to the carriage; a spring motor mounted upon the car and operably connected to the toggle, the spring motor, upon the motor being deenergized, causing the toggle to move the carriage to close the gate and the door; and means for retarding the movement of the gate and the door during the final portion of their movement in either an opening or a closing direction.

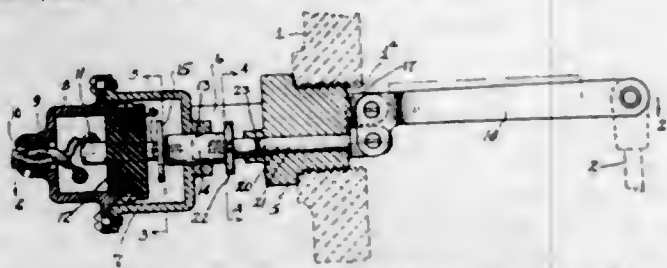
1,738,687. SCREW DRIVER AND DRILL MACHINE. HENRY C. BRANDT, St. Paul, Minn. Filed Aug. 23, 1928. Serial No. 301,588. 10 Claims. (Cl. 29-26.)



1. A machine for securing two parts of a device together with screws, having in combination, a frame, means for drilling a hole supported on said frame, means for driving a screw into said hole by a rotative action supported on said frame, and a supporting means for said device relatively to which said drilling means, and second mentioned means bearing a similar relation, and means for moving said drilling means and second mentioned means successively towards said supporting means to first drill, and then apply a screw to said device.

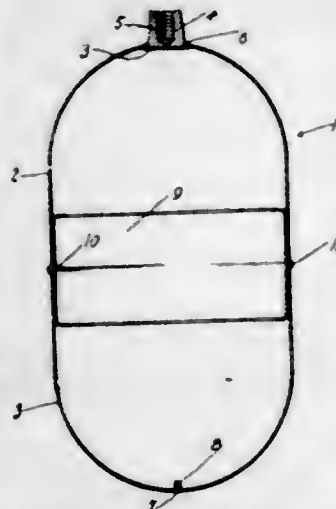
6. A machine for securing two parts of a device together with screws, having in combination, a frame, pairs of brackets secured at each side of said frame having upper and lower bearings, a pair of oppositely disposed drilling means mounted in the lower bearings of said brackets, a pair of oppositely disposed screw applying devices mounted in said upper brackets, means normally holding said drilling means in retracted position, means normally holding said screw applying means in retracted position, supporting means for said device adapted to hold the same in similar relation to said drilling means and screw applying device, and pedal operated means for moving said drilling means towards said supporting means to drill said device, and pedal means for moving said screw applying device towards said supporting means for applying screws to said device in the holes drilled by said drilling means.

1,738,688. FLOAT-OPERATED CIRCUIT CLOSER. JOHN ROWLAND BROWN, Cleveland, Ohio, assignor to The Reliance Gauge Column Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 11, 1922. Serial No. 587,369. 4 Claims. (Cl. 200—84.)



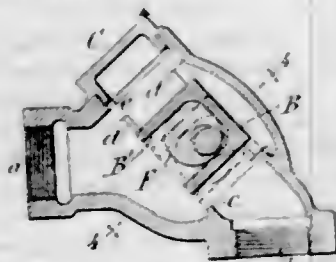
1. In a device for closing an electric circuit, the combination of an apertured base member, a housing supported in spaced relation thereto and having an aperture approximately aligned with that in said base, a rounded head plunger reciprocable in the aperture in said housing and having a stem projecting through the aperture in said base, the projecting end of said stem being arranged for connection with desired actuating means, suitably insulated contacts in said housing adapted to be connected in an electrical circuit, a member rockably carried by the rounded head of said plunger within said housing and adapted to bridge said contacts, and drip-collecting means between said housing and base.

1,738,689. FLOAT AND METHOD OF MAKING SAME. JOHN ROWLAND BROWN and JOHN C. MULLINIX, Cleveland, Ohio, assignors to The Reliance Gauge Column Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 14, 1928. Serial No. 246,700. 10 Claims. (Cl. 137—104.)



1. A hollow float comprising a pair of mating cup-shaped members having slightly flaring open ends, said members being welded together at said flared ends, an annular brace member fitting into said members and provided with a projecting locating element on its outer surface, said element being seated in a groove formed by the abutment of said flared ends.

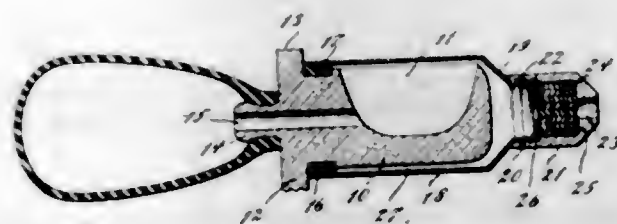
1,738,690. END TRAIN-PIPE VALVE. JACOB O. BRUMBAUGH, New York, N. Y., assignor to Gold Car Heating & Lighting Company, New York, N. Y., a Corporation of Ohio. Filed Nov. 10, 1928. Serial No. 318,370. 3 Claims. (Cl. 251—40.)



1. An end train pipe valve comprising a casing having a horizontal inlet and a downwardly-disposed outlet, with

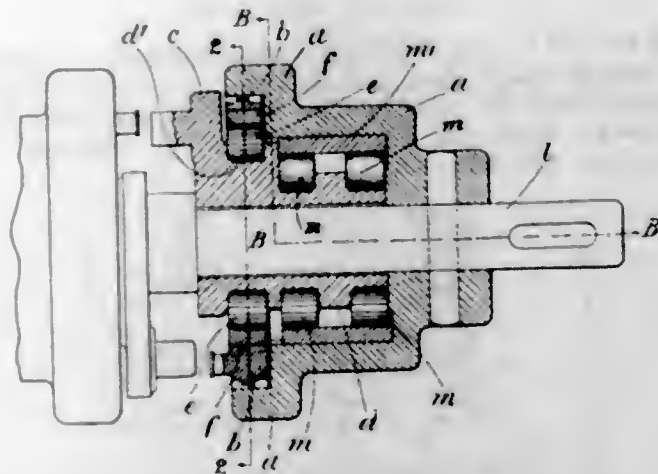
an oblique passage between, and with an oblique valve seat and obliquely-arranged guides, a plunger valve movable obliquely against said seat and guided by said guides, and an operating spindle having a projecting portion engaging and operating said plunger valve.

1,738,691. DEVICE FOR MAKING LATHER. JOSEPH CAMPANELLA, New York, N. Y. Filed Nov. 22, 1927. Serial No. 235,046. 5 Claims. (Cl. 299—90.)



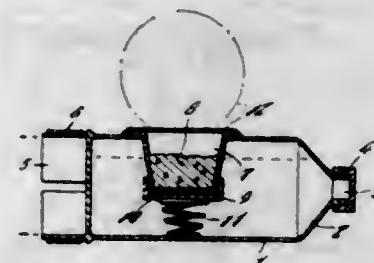
1. In a lather making device, a body member provided with a recess adapted to receive lather making material and having a nipple and a passage extending from said recess through said nipple, a casing enclosing said recess and provided with a nozzle, means providing communication between said nozzle and said recess, and a compressible bulb adapted to be attached to said nipple and to contain a liquid, whereby the liquid may be forced to and from said bulb through the lather forming material in said recess.

1,738,692. UNIDIRECTIONAL DRIVING DEVICE. GEORGE CONSTANTINESCO, Weybridge, England. Filed July 23, 1924. Serial No. 727,774, and in Great Britain Aug. 22, 1923. 3 Claims. (Cl. 74—53.)



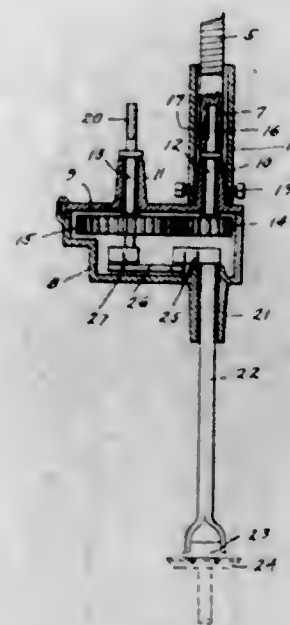
1. Unidirectional reversing driving gear comprising in combination a shaft, an externally driven oscillating member and a gripper, both surrounding the shaft, an eccentric on the part of the oscillating member adjacent to the gripper, a rotor member keyed to the shaft, elastic bodies interposed between the eccentric and the gripper and between the oscillating member and the rotor member, which elastic bodies are compressed at the commencement of the driving stroke of the oscillating member and adjustable means for restraining the motion of the gripper in one direction or the other, thus varying the initial point of contact of the gripper and the rotor member and providing for reversal.

1,738,693. COMBINED CIGAR AND CIGARETTE EXTINGUISHER. CHARLES HENRY CORRIGAN, Phoenix, Ariz. Filed Jan. 9, 1929. Serial No. 331,183. 4 Claims. (Cl. 131—51.)



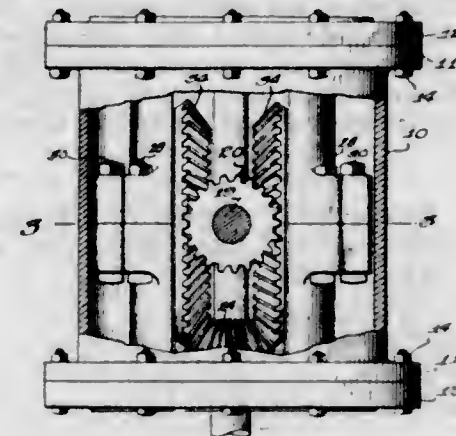
1. In a cigar or cigarette extinguisher of the class described, a water receptacle provided with a filling opening, a closure therefor, the top of the receptacle being formed with an opening, an open ended well extending downwardly through the opening, the lower end thereof being spaced from the bottom of the water receptacle, an absorbent member being arranged in the well, a spring pressed closure for the open lower end of the well to normally prevent water in the container from reaching the absorbent member, said spring pressed closure being moved to an operative position to permit the absorbent member to become saturated when a downward pressure is exerted on the absorbent member by the cigar or cigarette to be extinguished, and a lid providing a closure for the upper open end of the well.

1,738,694. VALVE-GRINDING MECHANISM. GEORGE F. CROMPTON, Rock Island, Ill. Filed Feb. 15, 1928. Serial No. 254,587. 1 Claim. (Cl. 51—29.)



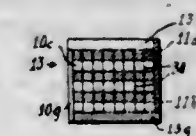
In a valve grinding mechanism, a casing and tool spindle supported therein, a shaft rotatably mounted in said casing, and provided with means outside the casing for connection with power devices, connections between said shaft and said spindle for imparting the rotary movement of the shaft to the spindle to give a reciprocating movement thereto, an auxiliary shaft also provided with means outside the casing for connection with power devices, and gearing connecting said shafts and capable of imparting the movement of the auxiliary shaft to the first named shaft at a reduced rate of speed.

1,738,695. POWER-TRANSMISSION GEARING. ROBERT L. DENNISON, Kansas City, Mo. Filed Jan. 20, 1927. Serial No. 162,353. Renewed Oct. 29, 1929. 9 Claims. (Cl. 74—7.)



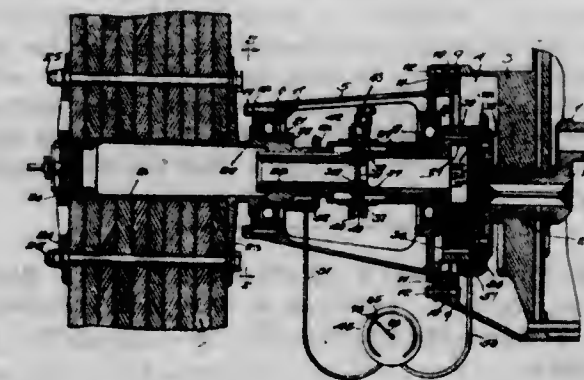
1. Apparatus of the character described comprising a drive shaft and a driven shaft, pinions mounted on said shafts, a plurality of transmission gears meshing with each of said pinions at equidistantly spaced points, and means for enabling said transmission gears to alter their positions about the axis of one of said shafts.

1,738,696. FABRICATION OF ORNAMENTED SHEET SURFACING MATERIALS. MAX ELIAS, New York, N. Y., assignor of one-half to Abraham L. Nebel, Cleveland Heights, Ohio. Filed Dec. 27, 1926. Serial No. 157,203. 11 Claims. (Cl. 18—59.)



3. The art of fabricating sheet surfacing materials of the character described consisting in cutting a plurality of sheets of contrasting material into sets of complementary portions having spaced strips interconnected along one of their ends, forming a plurality of integral sheets with the complementary portions with said strips arranged in alternate contrasting relation, cutting the last mentioned sheets transversely of the length of the strips into a second set of complementary portions having spaced strips interconnected along one of their ends so that each of the strips in the latter set comprises a row of contrasting sections, and uniting said second sets of complementary strips to form integral sheets with the contiguous sections of the adjoining strips in aligned contrasting relation.

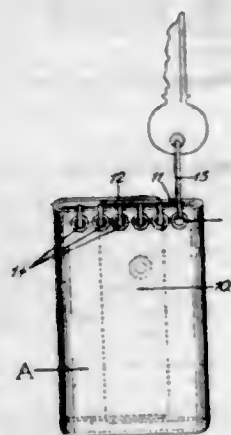
1,738,697. TRANSMISSION. THOMAS L. FAWICK, Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed May 19, 1923. Serial No. 640,046. 6 Claims. (Cl. 74—58.)



1. In combination, an engine housing having a bearing, a crank shaft in the bearing, a ring gear having two sets

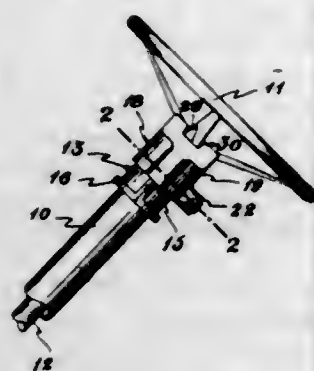
of internal teeth secured to the crank shaft, a propeller shaft, a housing for the propeller shaft, said housing having bearings for supporting the propeller shaft, a rotary bearing between said housing and the engine housing, a second shaft keyed to but axially slidable in the propeller shaft, a pinion on said second shaft and means for plunging the second shaft and pinion axially and means for swinging the housing on said rotary bearing to bring the teeth of the ring gear and of the pinion axially into line.

1,738,698. KEY CASE. HOWARD L. FISCHER, St. Paul, Minn. Filed July 12, 1926. Serial No. 121,864. 3 Claims. (Cl. 150-40.)



1. A key case including a cover member with closing flaps, a member adapted to be positioned in said cover member, eyelet members for attaching said second member in said cover member and key hooks adapted to extend through and being supported by said eyelet members.

1,738,699. AUTOMOBILE WHEEL LOCK. GEORGE A. GILLEN, Jersey City, N. J., assignor to Gillen, Kimmey, Baker Syndicate Inc., New York, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 633,604. 3 Claims. (Cl. 70-129.)

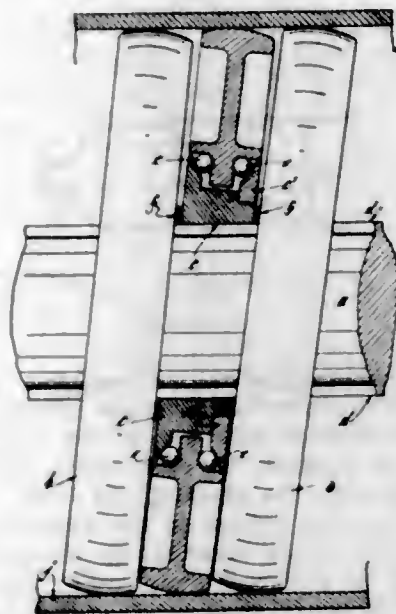


1. The combination with the steering column and steering wheel of a vehicle, of a guide embracing the column, means slidable on the guide for engaging the spokes of the wheel and preventing its rotation relative to the column, the guide and column being pierced, and a bolt carried by the wheel locking means for entering the guide and column to lock the parts to the column and the wheel against turning.

1,738,700. CLOTH EXPANDER. HARRY HADWIN, Glossop, England. Filed Jan. 4, 1928, Serial No. 244,467, and in Great Britain Feb. 10, 1927. 2 Claims. (Cl. 26-63.)

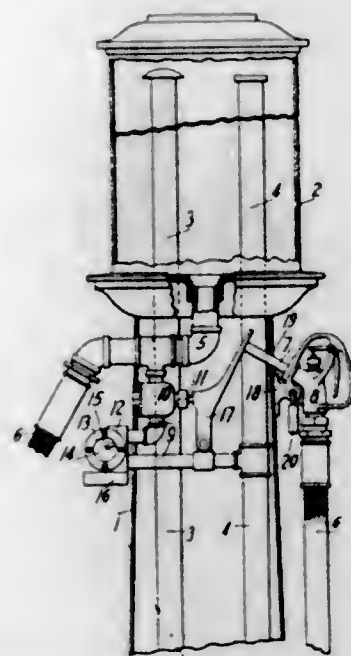
1. An expander for expanding cloth or smoothing out fabrics and the like comprising a straight stationary bar, a plurality of flat sided rings and bushes and anti-friction

bearings between the rings and their bushes, said bushes being threaded and keyed on to the bar and arranged at progressive angles to right and left of the centre of the bar, wedge-shaped spacing washers between the bushes, and means at the end of the bar for clamping the bushes and spacing washers together on the bar, the peripheries of



the rings being radially to present a portion lying tangential to the effective surface of the expander and the diameters of the rings increasing towards the ends of the bar so that at the points of maximum expansion, the effective diameter of the expander is the same throughout its length, as set forth.

1,738,701. LIQUID-DISPENSING APPARATUS. JOHN P. HANNA, Dayton, Ohio, assignor to National Recording Pump Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 13, 1928. Serial No. 269,682. 14 Claims. (Cl. 221-100.)

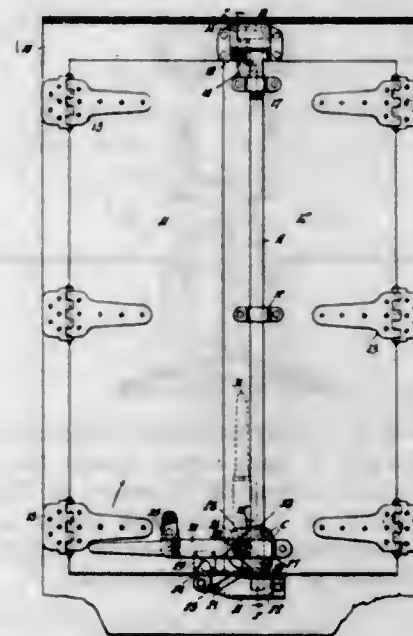


1. In a liquid dispensing apparatus comprising a delivery outlet, a return pipe and a valve to control the flow of liquid through said return pipe, a device interposed in said return pipe to indicate any passage of liquid there-through.

1,738,702. DOOR-OPERATING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 10, 1926. Serial No. 115,060. 4 Claims. (Cl. 268-72.)

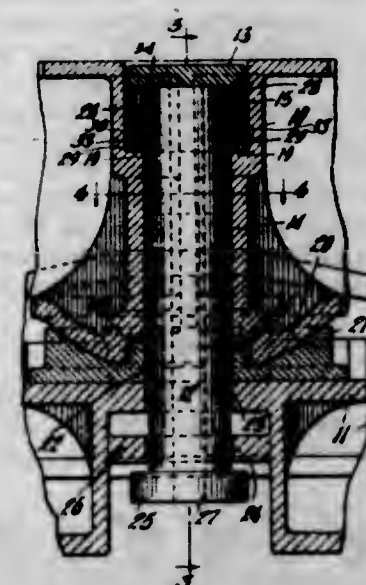
4. In a structure having a door frame and a pivoted door, door operating and locking means, said means com-

prising: keepers secured to the door frame at the opposite ends of the door, said keepers being provided with cam slots; a locking bar longitudinally slidably mounted on said door and having one end thereof projecting beyond the corresponding end of the door and cooperable with the



adjacent keeper; a second locking member pivotally mounted adjacent the opposite end of said door and having a portion adapted to project beyond the corresponding end of the door and cooperate with the adjacent keeper; and means for effecting, simultaneously, reciprocation and rotation of said two locking members.

1,738,703. CAR CONSTRUCTION. STACY B. HASELTINE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 27, 1928. Serial No. 273,185. 13 Claims. (Cl. 105-200.)



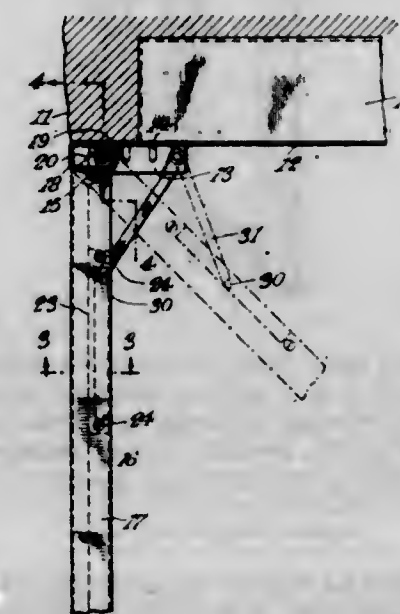
1. In car construction, the combination with body and truck bolsters having aligned center pin openings, each bolster being provided with a shoulder adjacent its opening; of a center pin having a head at each end, the shape of one of said heads and the cross section of the openings being such that it may be inserted therethrough while in one position, but is prevented from passing therethrough when given a partial turn, the shank portion of said pin, adjacent said head, being of a diameter corresponding to the diameter of the pin opening adjacent thereto; and removable means co-operating with said pin to prevent turning thereof relative to the bolster with which said head co-operates.

1,738,704. CLOTHESLINE SUPPORT. JAMES E. HESTER, Pittsburgh, Pa. Filed May 9, 1929. Serial No. 861,744. 4 Claims. (Cl. 68-12.)



1. A clothes-line support comprising a one-piece, elongated box-like body member having back, side and end walls, said end walls being provided with aligned apertures, and said side walls having their forward edges cut away at vertically spaced intervals to form notches, and a line supporting standard having a length greater than twice the length of said body, said standard projecting through said apertures in said end walls and being slidably and revolvably mounted relative to said body, a handle member secured to said standard intermediate the ends thereof and projecting at right angles therefrom, said handle serving to limit the movement of said standard so as to prevent the movement of said standard out of said body, and said handle and said standard being adapted to be rotated so as to move said handle into position to be engaged in selected ones of said notches to support said standard at various selected vertical positions.

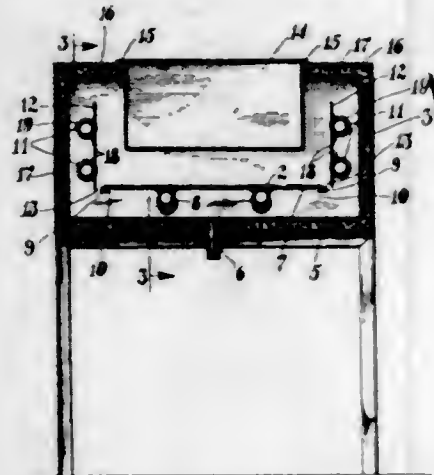
1,738,705. CONCEALED DOOR HINGE AND STOP. JOSEPH A. HOEGGER, Jersey City, N. J. Filed Apr. 3, 1928. Serial No. 260,884. 6 Claims. (Cl. 16-191.)



1. A concealed door hinge and stop comprising rigid door supporting elements, a door hinged to swinging over and concealing said elements, a limiting link pivoted to the supporting elements and sliding in ways in the door,

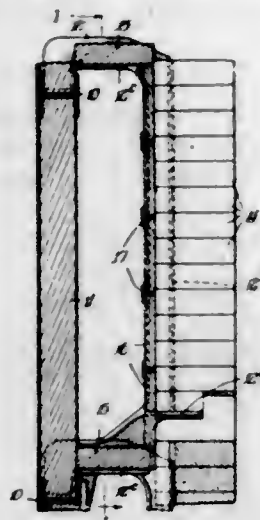
and detachable fastening elements, one set serving as pintles for the door and extending through the outer part of the door into the supporting elements, and the other serving to attach the links to the supporting elements.

1,738,706. HEAT EXCHANGER. WILLIAM J. HOFFMANN, Brooklyn, N. Y. Filed Aug. 7, 1926. Serial No. 127,829. 4 Claims. (Cl. 257-23.)



4. In a heat exchanger the combination of a carrier, lateral temperature changers and a horizontal temperature changer over which the carrier passes, said horizontal temperature changer being separated from said lateral temperature changers, said temperature changers comprising plates separately constructed so as to permit moisture thereof to drip free of the carrier, and means for causing a rapid air circulation and limiting the space in which said air circulation takes place.

1,738,707. FURNACE-WALL CONSTRUCTION. LOUIS H. HOSBAIN, Winnetka, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1924. Serial No. 741,053. 13 Claims. (Cl. 72-101.)

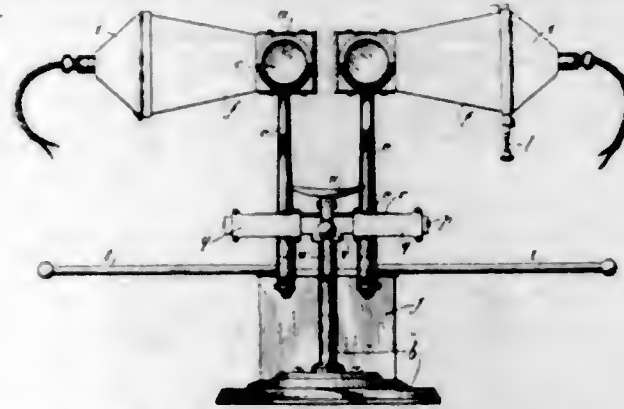


1. In furnace wall construction, the combination with movably supported wall sections arranged with expansion spaces between certain sections, of refractory closures supported free of the sections and externally contacting the wall and closing the expansion spaces.

1,738,708. APPARATUS FOR EXERCISING THE OCULAR MUSCLES AND FOR FUSION TRAINING. JOSEPH RICHARD HOWARD, London, England. Filed Sept. 29, 1928. Serial No. 309,318, and in Great Britain Sept. 29, 1927. 4 Claims. (Cl. 128-25.)

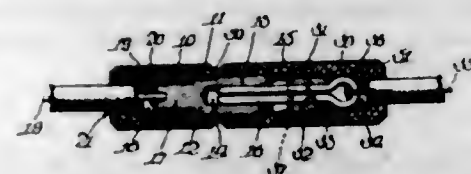
1. In an apparatus for exercising the ocular muscles and for training the fusion sense, comprising a pair of

co-axially arranged horizontal tubes, a lantern slide transparency carried by each tube, means carried by each tube for illuminating such transparency, an eye-piece carried at the inner end of each tube and including a focus lens and a right angled prism, a bar on which the tubes are



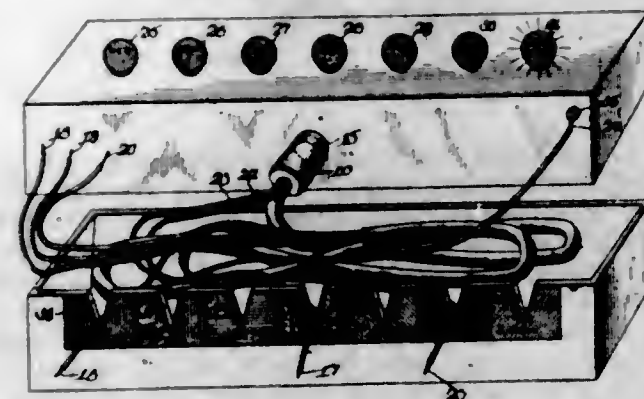
slidably mounted to permit pupillary distance adjustment of the tubes relative to each other, means for supporting the tubes for pivotal movement to permit of their relative angular adjustment in a horizontal plane, and visible indicators for determining the extent of pupillary adjustment and the degree of angular movement.

1,738,709. ELECTRICAL PLUG-AND-SOCKET CONNECTION. HOWARD B. JONES, Evanston, Ill. Filed Jan. 2, 1925. Serial No. 145. 2 Claims. (Cl. 173-363.)



1. An electrical connection plug of the character described comprising in combination a relatively long and narrow casing of insulating material having a cylindrical hollow interior open at one end and adapted to receive a socket element, a supporting member having a coaxial hole therethrough carried for ready removability within and intermediate the ends of the housing, a headed contact stem loosely positioned in said hole and extending outward beyond the supporting member and lying to a large extent within the housing and with its head on the inner side of the supporting member, the housing having a hole for a conduit wire to extend to the head of the contact stem, the housing member having means for holding the head of the contact member against inward movement.

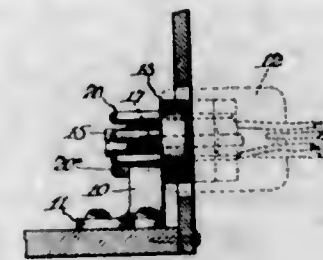
1,738,710. METHOD FOR IDENTIFYING CABLED WIRES. HOWARD B. JONES, Evanston, Ill. Filed Feb. 21, 1925. Serial No. 10,738. 1 Claim. (Cl. 175-183.)



The method of identifying wires connected respectively to the terminals of a multiple connection device including a cable-like part, which consists in placing the respective

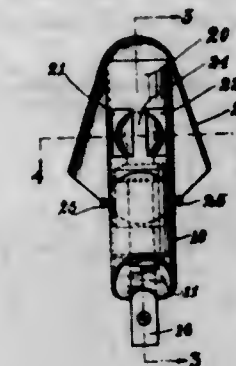
terminals of the connection device in electrical communication with a common conductor through a plurality of electrically operated signal devices whereby each terminal is in connection with such conductor through a different one of the signal devices, completing the circuit through the respective wires and the common conductor so as to operate the respective signals, and marking the wires according to the indications of the signals respectively.

1,738,711. MULTIPLE-CONNECTION DEVICE. HOWARD B. JONES, Evanston, Ill. Filed Feb. 21, 1925. Serial No. 10,739. 6 Claims. (Cl. 73-328.)



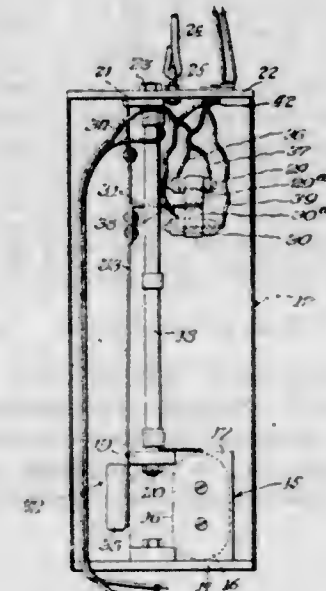
1. A multiple socket device of the character described comprising in combination a metallic supporting member having a normally upright arm and a base part adapted to be secured in a relatively fixed position, a cylindrical mounting of insulating material, means for securing said mounting to said supporting member, said means comprising a tubular member extending centrally through the mounting and through the arm of the supporting member, with a nut threaded on the end of said tubular member, and a plurality of long and narrow socket members carried by the mounting in spaced-apart relation to each other and extending substantially parallel with each other and beyond the rear surface of the mounting and being out of contact with the supporting member, said socket members having means at their inner ends for soldering wires thereto respectively and being recessed at their front ends for electrical connection with a multiple plug device.

1,738,712. CROSS-AISLE LIGHT. JOSEPH B. KAUSAL, Chicago, Ill. Filed June 18, 1928. Serial No. 286,161. 4 Claims. (Cl. 240-4.)



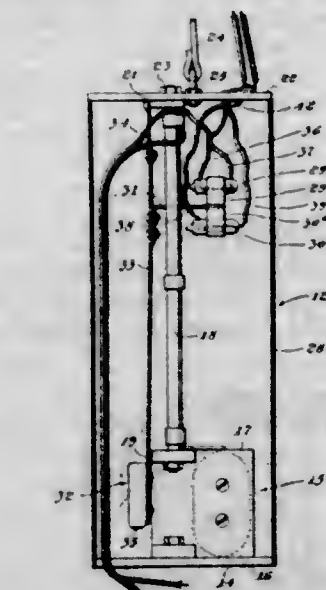
1. A cross aisle light adapted to be mounted in the depression between adjoining theatre seats of a theatre cross aisle, comprising a supporting member, a lamp bracket mounted upon said supporting member, a lamp casing comprising a vertically extending cylindrical member provided with a lateral light emitting opening, and a light directing hood member positioned opposite said light emitting opening and adapted to conceal said light opening and direct rays of light downwardly for illumination of the lower portion of the cross aisle, the portion of said hood member adjacent the cross aisle being flattened against said casing to avoid projection.

1,738,713. ELECTRIC FLASHER. WILLIAM G. KRITH, Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 16, 1926. Serial No. 142,013. 6 Claims. (Cl. 200-90.)



1. In an electric flasher, a tiltable member, a fluid contact-making member mounted thereon and axially adjustable therewith for controlling an electrical circuit in said electric flasher, and means for actuating said tiltable member, said contact-making member adapted to control the length of flash period in said electric flasher.

1,738,714. ELECTRIC FLASHER. WILLIAM G. KRITH, Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa., a Corporation of Delaware. Original application filed Oct. 16, 1926, Serial No. 142,013. Divided and this application filed June 20, 1927. Serial No. 200,167. 7 Claims. (Cl. 200-90.)



1. In a device of the character described, a tiltable member, a fluid contact-making member mounted thereon for operating an electrical circuit, electrical means co-operating with the free end of and for actuating said tiltable member into one position, and a second fluid contact-making member for controlling the operation of said actuating means, and mechanical means for actuating said tiltable member into a second position.

1,738,715. SHOE HEEL. DAVID O. MARSHALL, St. Louis, Mo., assignor to Mound City Wood Heel & Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed Aug. 29, 1928. Serial No. 302,826. 3 Claims. (Cl. 36-34.)

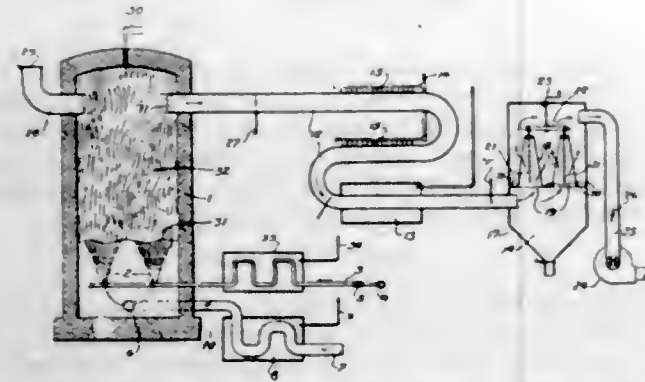
1. A shoe heel, comprising a core, a covering for said core composed of a plurality of non-metallic sheet pieces

of material joined together by a sewed seam, said covering being secured to the core by an adhesive, and means in



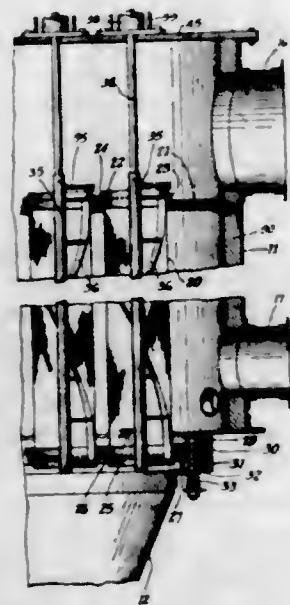
the rear side of said core for determining the shape and location of said seam and for preventing said seam from forming a ridge or projection on the exterior of the heel.

1,738,716. METHOD AND APPARATUS FOR PRODUCING CARBON BLACK. CHAUNCEY MATLOCK, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La., a Corporation of Delaware. Filed Jan. 5, 1921. Serial No. 435,072. 9 Claims. (Cl. 134-60.)



6. The method of separating and recovering carbon black from a hydrocarbon gas which consists first in partially burning the gas at approximately a dissociation temperature by supplying thereto preheated air in quantities insufficient for complete combustion but sufficient to maintain the said temperature whereby a portion of the carbon content is liberated and subjecting the products of combustion to a carbon black isolating process.

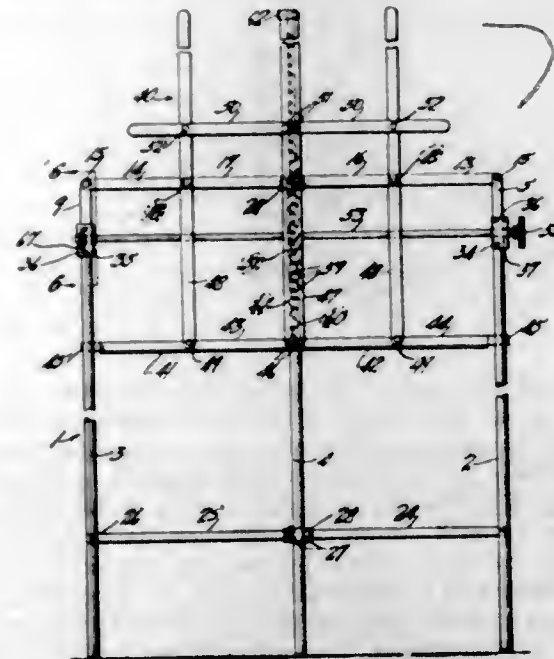
1,738,717. SEPARATOR APPARATUS. CHAUNCEY MATLOCK, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La., a Corporation of Delaware. Filed Nov. 22, 1923. Serial No. 676,458. 8 Claims. (Cl. 183-60.)



6. In an apparatus for removing carbon from flue gases, the combination of a casing having an upper inlet and a lower outlet port; a plurality of tubular screens in

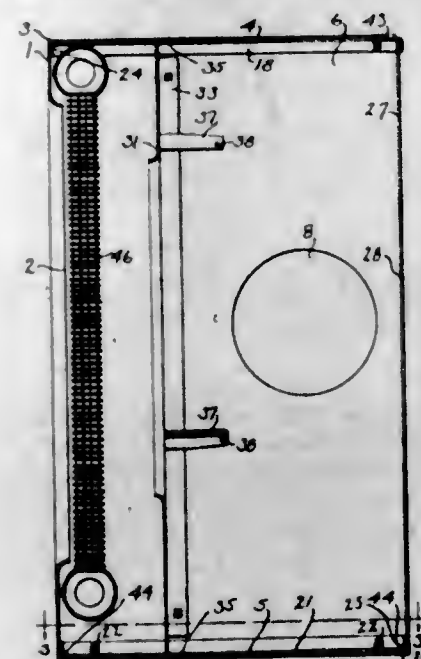
intermediate said ports, such screens being fixed at their upper ends and movable in the direction of their axes at their lower ends; a scraper in each of said tubular screens for removing the carbon deposited on the inner surface of said screens from the gases passing there-through; and means for simultaneously operating said scrapers so as to continuously remove the said carbon from the path of the gases.

1,738,718. COPYHOLDER FOR TYPEWRITERS. ELIZABETH MCGILL, Wellsville, Kans. Filed May 8, 1929. Serial No. 361,401. 3 Claims. (Cl. 120-29.)



1. In a device of the character described, a stand comprising foldably connected front legs having slideways, a rear leg foldably connected to the said front legs, an operating shaft operatively associated with the said front legs, a copy carrier slidably mounted in the said slideways and means upon the said operating shaft to engage the said copy carrier whereby the same may be raised or lowered.

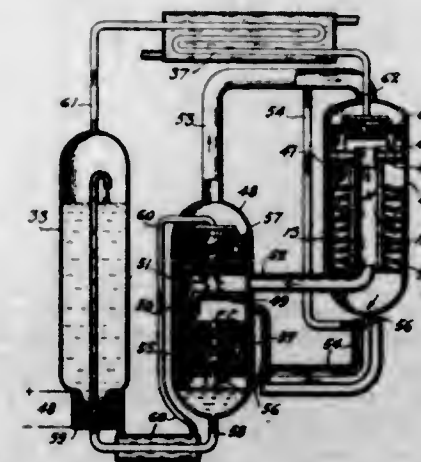
1,738,719. HEATING AND VENTILATING APPARATUS. CLARK T. MORSE, Detroit, Mich., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 25, 1927. Serial No. 178,430. 6 Claims. (Cl. 257-137.)



4. In a heating and ventilating casing consisting of a one-piece bezel and side walls, detachably attached top

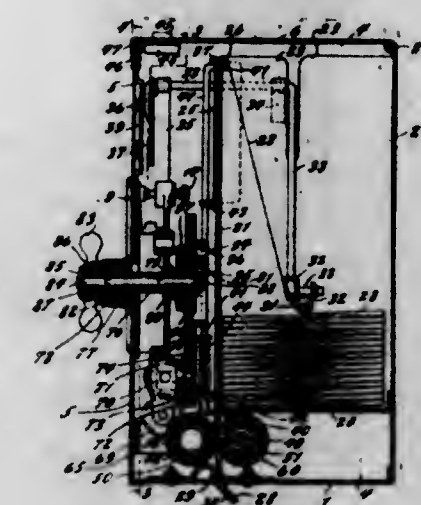
and bottom members having inwardly extending flanges engaging the side walls and the bezel, said side walls and bezel having inwardly turned flanges counter sunk within the surface of said bottom and top members, and a slidable rear member providing a cover, said cover being counter sunk on its marginal engaging portions to form a smooth exterior to the casing, a radiator mounted within said casing in said side walls and attached thereto tying said side walls together, and an interiorly disposed apertured partition having flanges engaging the top, bottom and side wall portions of the casing, and means for suspending a motor and fan adjacent said apertures in the partition.

1,738,720. REFRIGERATION. CARL GEORG MUNTERS, Stockholm, and JOHN GUDBRAND TANDBERG, Lund, Sweden, assignors to Electrolux Serval Corporation, New York, N. Y., a Corporation of Delaware. Filed June 15, 1926, Serial No. 116,111, and in Sweden Dec. 2, 1925. 39 Claims. (Cl. 62-179.)



1. The method of moving a fluid in a closed cycle which comprises interposing a porous flow resistance in the cycle, introducing a supplemental fluid on one side of the porous flow resistance to cause a drop in partial pressure of the cycle fluid and movement of fluid in direction through the resistance to the said one side, separating the supplemental fluid from the cycle fluid and removing it from the cycle before the cycle fluid has passed through the cycle to the other side of the porous resistance.

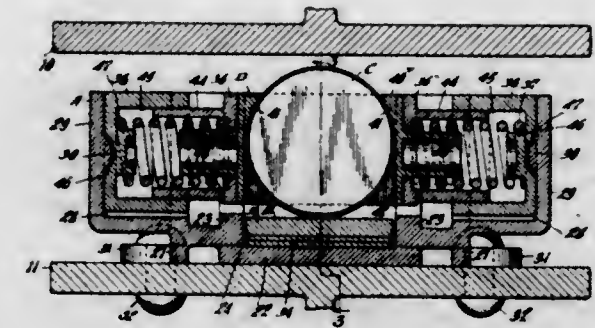
1,738,721. WEB-DISPENSING DEVICE. LOUIS H. MORIN, New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc., a Corporation of New York. Filed Apr. 27, 1928. Serial No. 273,169. 11 Claims. (Cl. 312-39.)



1. In a dispensing device, in combination, a container for a pack of reversely folded continuous web in which the

folds extend backward and forward, a guide for the web extending along the front of the top of the container over which the web is drawn in dispensing, a pivot shaft extending at right angles to said web guide near the top and one side of the container, a swinging arm fixed to said shaft and extending transversely over the web pack in the container, a carrier bracket pivoted on the free end of said arm on an axis parallel to said shaft, a follower roller journaled on said bracket on an axis parallel with said web guide and pressing down upon the top of the folded web for holding down the folds thereof and for putting the web under tension as it is drawn over said web guide, and an indicating hand carried by the forward end of said shaft and visible from the outside of the device at the front for giving a visual indication of the amount of web in the web pack.

1,738,722. ANTIFRICTION BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 5, 1926. Serial No. 88,160. 8 Claims. (Cl. 308-226.)

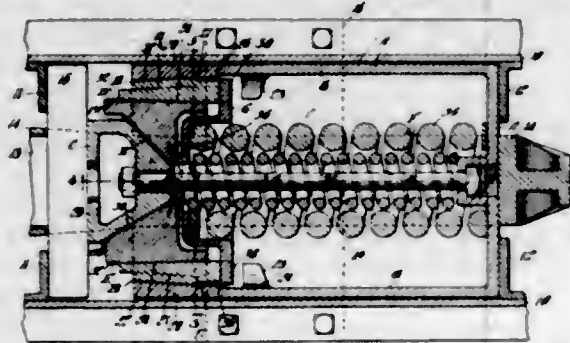


6. In an anti-friction bearing, the combination with a mounting provided with a bearing surface, said mounting having spaced abutment means thereon; of an anti-friction element movably supported on said bearing surface between said abutment means; and means for centering said anti-friction element and holding the same assembled with the mounting, including a member embracing the anti-friction element and engaging the same at opposite sides, a spring follower, an abutment member interposed between each abutment means and the anti-friction element embracing member, and spring means interposed between each spring follower and the corresponding abutment member having interengaging means thereon to prevent displacement of the same relative to each other in a vertical direction, said spring follower and anti-friction element embracing member being interengaged to prevent relative vertical displacement thereof, said abutment members having shouldered engagement with the abutment means of the mounting and being yieldingly held in engagement by said spring means to prevent vertical removal of the abutment members, said means for centering the anti-friction element and holding the same assembled with the mounting being bodily removable from the housing upon the displacement of said abutment members toward each other and disengaging the abutment members from the abutment means, thereby permitting removal of the anti-friction element.

1,738,723. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 27, 1927. Serial No. 164,013. 6 Claims. (Cl. 213-24.)

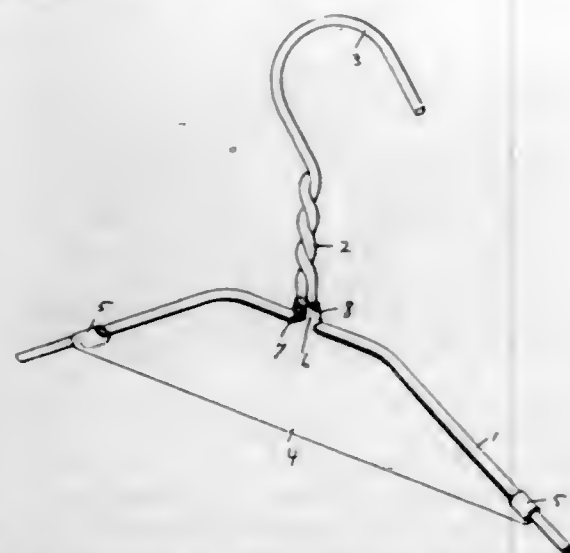
1. In a friction shock absorbing mechanism, the combination with a spring cage having inwardly diverging walls; of liners within the cage having limited longi-

tudinal movement with respect to the cage on said diverging walls; friction means adapted for relative movement with respect to said liners after the latter have had their



movement arrested; and spring resistance means opposing movement of the liners and friction means inwardly of the cage.

1,738,724. GARMENT-HANGER ATTACHMENT. JOSEPH L. PERLETH and JOHN COVEN, Dubuque, Iowa. Filed Apr. 5, 1928. Serial No. 267,658. 3 Claims. (Cl. 40—20.)



1. In combination, a conventional garment hanger including a pair of arms forming a substantial arc, a sign cut to conform to the shape of the arc, the upper edge of the sign fitting against the arc portion of the hanger, and tongues formed on the edge of the sign and bent over the adjacent portions of the garment hanger to secure the sign in position.

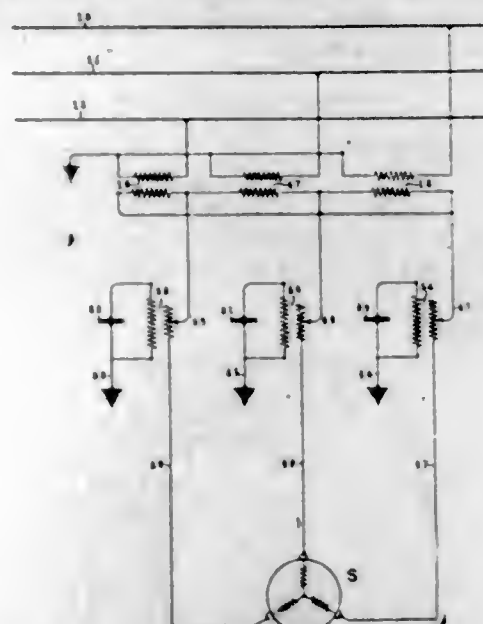
1,738,725. FLASH LAMP. HARRY T. HIPWELL, Pittsburgh, Pa. Filed Apr. 19, 1928. Serial No. 271,170. 6 Claims. (Cl. 240—10.5.)



1. Flash lamp structure comprising a casing and a battery cell, a cap for the casing, a compression spring interposed between the cap and said cell, a suspending member

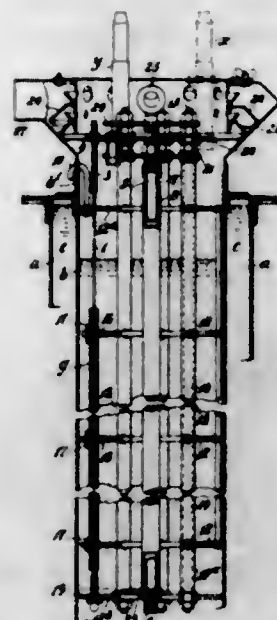
pivotally supported by said spring, and means for effecting deflection of said spring from its normally operative position upon movement of said suspending member to a given position.

1,738,726. REGULATING DEVICE FOR ELECTRICAL SYSTEMS. ROBERT A. PHILIP, New York, N. Y., assignor to Dwight P. Robinson & Company, Inc., New York, N. Y., a Corporation of Virginia. Filed Aug. 16, 1924. Serial No. 732,415. 3 Claims. (Cl. 172—237.)



1. In an electrical system for distributing alternating currents, the combination with transmitting conductors, of a synchronous condenser connected electrically in multiple with said conductors and arranged to have a regulating effect, series transformers in said connections to said synchronous condenser, and static condensers connected across said series transformers, said static condensers being arranged to have their condensive reactance substantially equal in magnitude to the effective internal inductive reactance of their respective connections including the effective internal inductive reactance of said synchronous condenser.

1,738,727. APPARATUS FOR USE IN THE ELECTROLYTIC DEPOSITION OF METAL ON METAL TUBES. FREDERIC JOHN PIKE, Beckenham, and CYRIL JOHN LYTH, Woolwich, London, England, assignors to J. Stone & Company Limited, Deptford, England, a Company of Great Britain. Filed Jan. 30, 1929, Serial No. 336,154, and in Great Britain Nov. 30, 1927. 4 Claims. (Cl. 204—5.)



3. Apparatus for electroplating the bores of metal tubes comprising an electrolyte container, an elongated frame

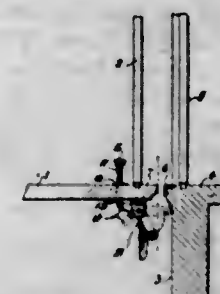
having spaced rings formed with peripheral tube-seating slots, closure devices operative for retaining tubes in said seating slots, and anode plates formed with peripheral slots, tensioning means adapted for engaging the slots in said anode plates and operative for supporting and tensioning elongated anodes within seated tubes and a longitudinal sheathed conductor connected between said anode plates.

1,738,728. CLOSURE FOR PASTE TUBES. HARRY C. PRINOLM, Hyde Park, Mass. Filed Nov. 23, 1927. Serial No. 235,252. 3 Claims. (Cl. 221—60.)



1. A closure for paste tubes having, in combination, a top provided with an orifice extending entirely there-through longitudinally of said tube and an imperforate slide movable across the extreme outer end of said orifice in a slot extending transversely of said tube and positioned adjacent to and entirely on one side of the orifice, the lower defining wall thereof being on a level with the outermost end of said orifice, the upper face of said slide being inclined relatively to the lower face thereof and said upper and lower faces contacting with corresponding upper and lower sides of said slot, whereby said orifice may be opened or closed.

1,738,729. WELL PROTECTION DEVICE FOR ELEVATORS. HENRY F. RICHARDSON, Northport, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J., a Corporation of New Jersey. Filed Sept. 21, 1928. Serial No. 307,384. 4 Claims. (Cl. 187—1.)

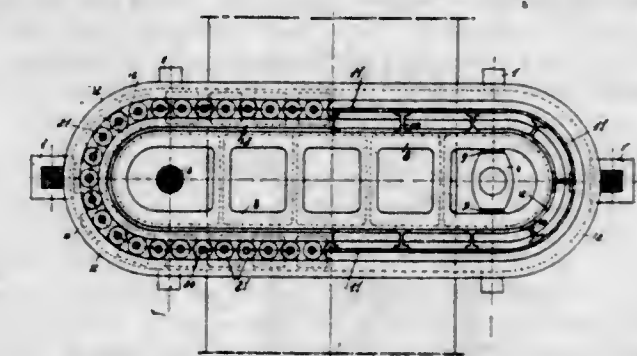


2. Apparatus for use in collecting dust and litter accumulating in elevator cabs comprising a receptacle, means for supporting said receptacle beneath the floor of the cab and out of engagement with the shaft-way walls, and means located in part on the elevator cab for projecting said receptacle into the space between the elevator cab and the shaft-way wall.

1,738,730. APPARATUS FOR GRINDING, SMOOTHING, AND POLISHING PLATES OF GLASS, MARBLE, OR OTHER SIMILAR MATERIALS. EUGENE ROWART, Auvclais, Belgium. Filed Nov. 4, 1927. Serial No. 230,976, and in Belgium Apr. 4, 1927. 7 Claims. (Cl. 51—119.)

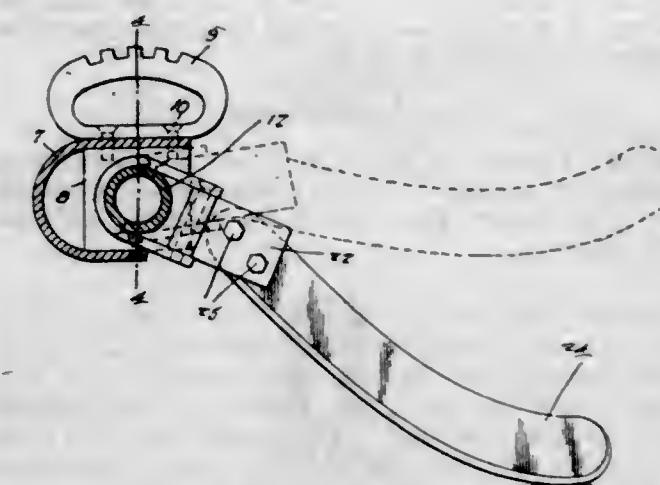
1. In a machine of the class described, rubbing members connected together to form an endless chain, rubbing

plates carried by the rubbing members, a monorail forming an elongated ring above the rubbing members, wheels



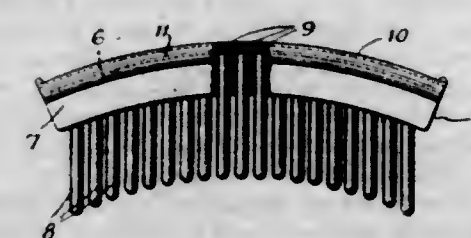
frictionally engaging the monorail and connected to the rubbing members, and means for rotating said wheels to propel the rubbing members.

1,738,731. GROUND PACKER. CHARLES E. SAYRE, Laurel, Mont. Filed Oct. 23, 1928. Serial No. 314,337. 6 Claims. (Cl. 55—22.)



1. An apparatus of the class described including a plurality of sections, each section comprising a hood, blocks in the hood, a shaft journaled in the blocks, a plurality of blades, means for attaching the blades to the shaft so that they may swing laterally, levers on the shaft for rocking the same.

1,738,732. COMB. LIONEL D. SEXTON, New York, N. Y. Filed Feb. 16, 1928. Serial No. 254,654. 3 Claims. (Cl. 132—16.)

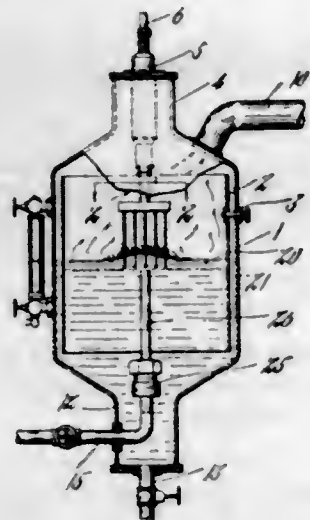


1. A comb comprising a back having parallel and substantially round passages equidistantly spaced and extending from the upper face of said back to the lower face thereof, teeth formed of glass or a material having similar properties, said teeth being of the same cross-sectional area as said passages and fitting into said passages, and a cover in sliding engagement with the upper face of said back.

1,738,733. ELECTRIC BOILER. MILTON O. SCHUR and OSCAR L. ROBERTSON, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Mar. 4, 1924. Serial No. 696,871. 17 Claims. (Cl. 219—40.)

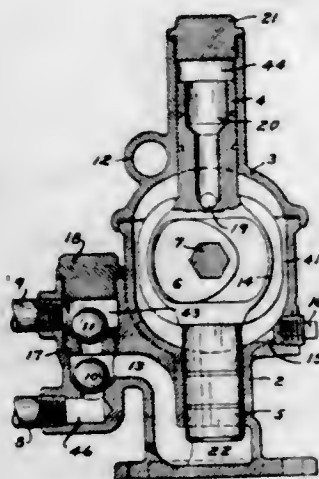
1. A device of the class described comprising a drum for containing water, an electrode dipping below the sur-

face of the water, an outlet from said drum above the surface of the water, and means for supplying feed water ad-



acent to the surface of the water in said drum, said electrode and drum being constructed to have impressed thereon different electrical potentials.

1,738,734. PUMP. EUGENE M. SCOVILLE, Milwaukee, Wis., assignor of one-half to Floyd L. Swanberg, Pittsburgh, Pa. Filed Oct. 20, 1924. Serial No. 744,802. 4 Claims. (Cl. 103-4.)

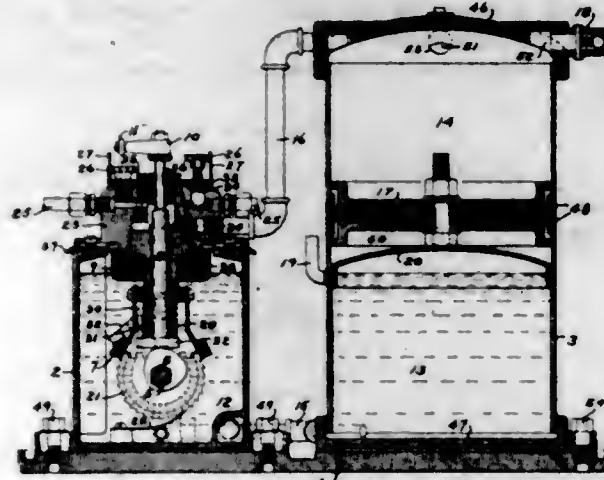


1. In combination, a casing forming a pair of aligned displacement chambers and an enlarged intervening space, rigidly connected plungers movable within said chambers and having parallel adjacent end surfaces within said space, one of said plungers being solid and the other having a longitudinal passage connected with said space by a lateral passage disposed closely adjacent to said end surface thereof, rotary means within said space and co-operable directly with said end surfaces to reciprocate said plungers in said chambers, inlet and discharge valves in said casing for controlling the flow of fluid to and from the displacement chamber of said solid plunger, conduit means for admitting fluid to said space, an inlet valve within said passage of said other plunger for controlling admission of fluid from said space to the displacement chamber of said other plunger, and a discharge valve associated with said casing for controlling the delivery of fluid from the displacement chamber of said other plunger.

1,738,735. MULTIFEED PUMP. EUGENE M. SCOVILLE, Cincinnati, Ohio, assignor of one-half to Floyd L. Swanberg, Pittsburgh, Pa. Filed May 5, 1927. Serial No. 188,947. 7 Claims. (Cl. 184-35.)

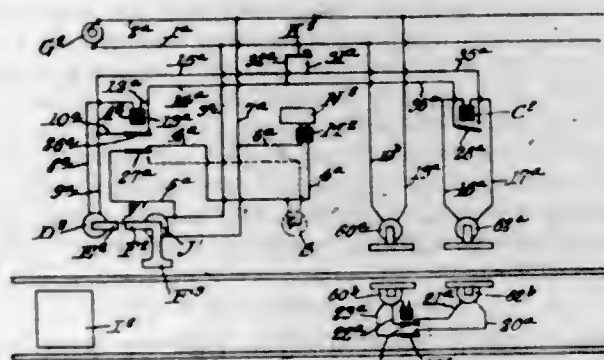
1. In combination, a frame having a bore and also having a plurality of fluid discharge ports and a single fluid

supply port terminating directly at said bore, a cylinder rotatably associated with said bore, said cylinder having a single radial through port communicable with said dis-



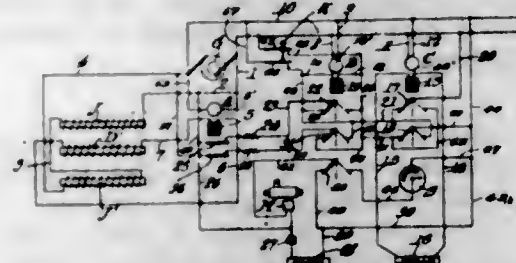
charge ports in succession and also having a plurality of radial through ports communicable in succession with said supply port, and a plunger reciprocable within said cylinder.

1,738,736. ALTERNATING-CURRENT INTERMITTENT-INDUCTION-TYPE TRAIN CONTROL. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 10, 1921. Serial No. 506,595. 73 Claims. (Cl. 246-63.)



1. In an alternating current inductive train control system, vehicle carried train control mechanism, means for periodically influencing the same in the movement of the vehicle on a roadway, means for periodically determining the further state of operation of the same when so influenced comprising vehicle impulse transmitting and receiving inductoriums, an alternating current source of energy therefor and track impulse receiving and transmitting inductoriums cooperating therewith.

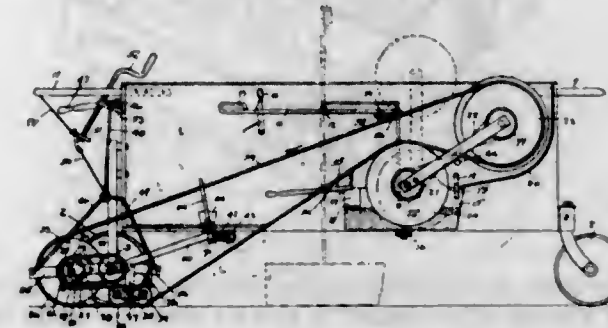
1,738,737. INTERMITTENT INDUCTION-TYPE TRAIN CONTROL. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,242. Renewed Apr. 24, 1929. 44 Claims. (Cl. 246-63.)



1. In combination, vehicle carried mechanism, means for operating the said mechanism for producing a given

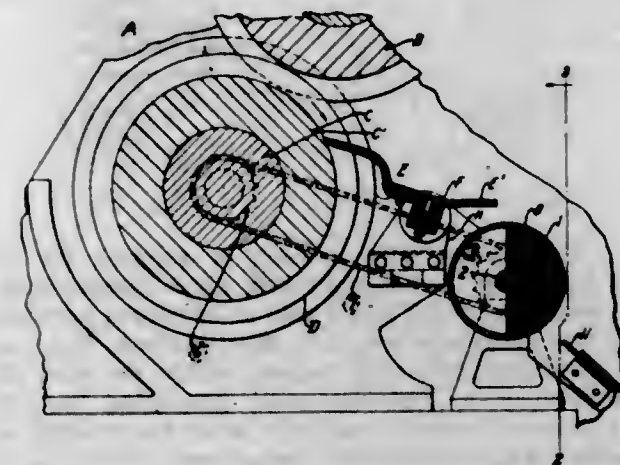
condition comprising a plurality of vehicle energy transmitting coils, a vehicle energy receiving coil inductively coupled thereto, and a roadside device for magnetically shunting said receiving coil in the movement of the vehicle, and means for operating the vehicle carried mechanism for producing a different condition therein.

1,738,738. PAINTING MACHINE. SAMUEL J. SOUTHEY, Jr., Euclid Village, Ohio, assignor to The Continental Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 30, 1924. Serial No. 758,802. 7 Claims. (Cl. 91-54.)



1. An apparatus of the character described having in combination a wheeled structure, a paint reservoir mounted thereon, an applicator belt for transferring paint from said reservoir to a road surface, a pivoted frame, a pair of guide pulleys mounted on opposite ends of said frame, one of said guide elements being adapted to project within said paint reservoir and contact with the outer side of said applicator belt for transferring paint from said reservoir to said applicator belt, and a plurality of guide elements for said belt adjacent the road surface and adapted to hold said belt in contact therewith.

1,738,739. MAGNETIC SEPARATOR FOR CANE-CRUSHING MACHINERY. LOUIS J. STRUBIS, St. Louis, Mo., assignor to Fulton Iron Works Company, St. Louis, Mo., a Corporation of Delaware. Filed Dec. 31, 1928. Serial No. 329,643. 9 Claims. (Cl. 209-215.)



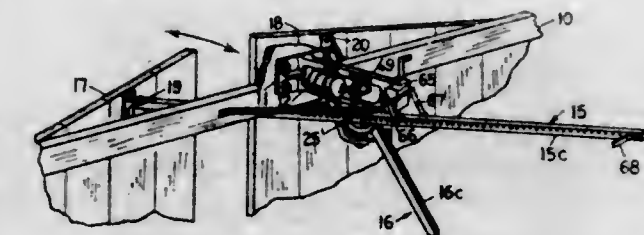
1. In combination with a cane crushing apparatus having a pair of rolls provided with overlapping ribs thereon to act upon a mat of material so as to expose metallic foreign matter lodged therein, a magnetic separator comprising a magnetized element positioned at a point beneath the path of travel of the mat of material being acted on by the apparatus, said magnetized element being positioned so as to act on the mat of material after same has passed between said pair of rolls and being adapted to draw metallic foreign matter from the mat of material as said mat passes over said element.

1,738,740. DISINFECTANT AND ANTISEPTIC EMBODYING FURANE DERIVATIVES AND PROCESS FOR MAKING AND UTILIZING SAME. JOHN P. TRICKEY, Evanston, and CARL S. MINER, Chicago, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 23, 1924. Serial No. 733,783. 16 Claims. (Cl. 167-33.)

1. The process of preserving organic material in the presence of natural moisture which comprises treating the material with a finely divided substance comprising furfural and inert earth whereby furfural vapor is gradually liberated as a result of the reaction of furfural with the moisture, excessive concentration of the furfural being avoided by the use of the inert earth.

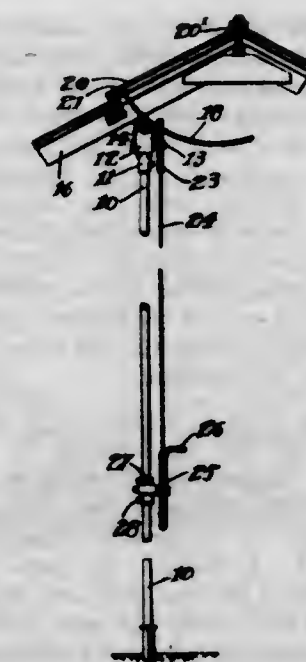
16. A germicide and fungicide comprising an ammonia derivative of furfural and inert earth, said derivative liberating furfural vapor.

1,738,741. AUTOMATIC DOOR OPENING AND LOCKING DEVICE. CURTIS R. TRIMBLE, Los Angeles, Calif. Filed Dec. 13, 1928. Serial No. 325,705. 2 Claims. (Cl. 268-63.)



1. In a device of the class described, in combination, a door, an arm attached to said door to open and close it, a rotary element engaging said arm to reciprocate it longitudinally, a second rotary element operatively related to the first recited rotary element, a core upon which said second rotary element is mounted with sufficient frictional tightness to rotate normally therewith, means to adjust such frictional tightness, and means to rotate said core to open and close said door.

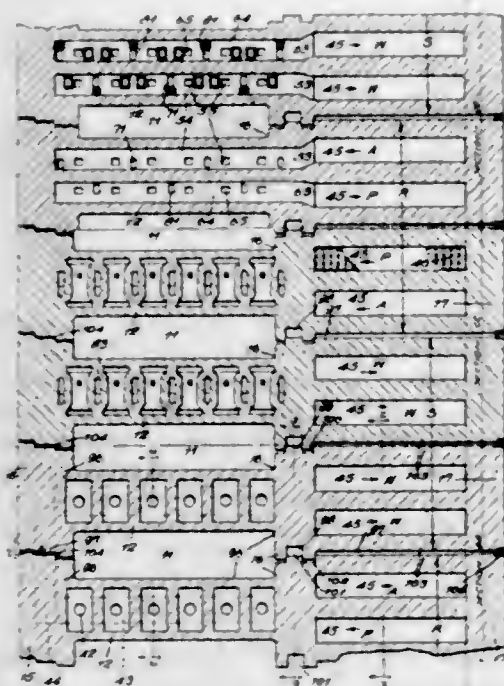
1,738,742. SASH-OPERATING MECHANISM. EDWIN W. TERHUNE, Irvington on the Hudson, N. Y., assignor to Lord & Burnham Company, Irvington on the Hudson, N. Y., a Corporation of New York. Filed July 9, 1925. Serial No. 42,555. 7 Claims. (Cl. 268-109.)



1. In sash actuating mechanism of the self braking type, the combination of a sash mounted for movement, a

line shaft rotatably mounted, means actuated by the shaft for effecting movement of the sash, and means including worm and gear for effecting rotary movement of the line shaft, a casing for said worm and gear, said casing having a substantially flat base below the worm, a fixed support and means for mounting said casing on said fixed support, said means including an intermediate member interposed between the fixed support and the base of the casing, and means for detachably securing said intermediate member to the base of the casing and adjustable means for securing said intermediate member to the fixed support.

1,738,743. VERTICAL RETORT OVEN. JOSEPH VAN ACKEREN, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1926. Serial No. 96,238. 11 Claims. (Cl. 202—123.)

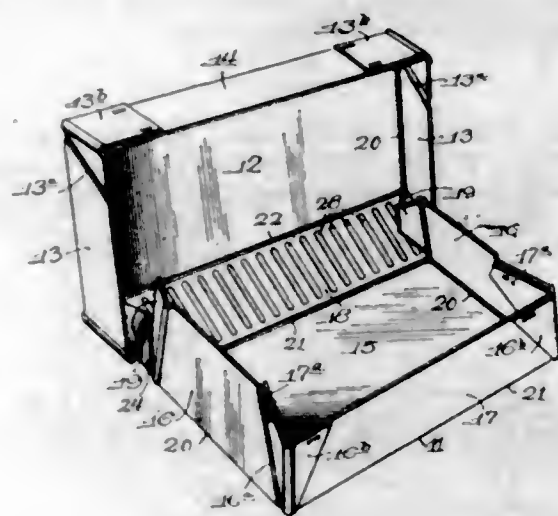


1. In a coke oven structure, the combination of a row of sections; each of said sections comprising a vertically flued heating wall, a wall at one internal end of said heating wall, and walled regenerators individual to said heating wall and in communication with the flues therein; said regenerators being arranged at the opposite end of said heating wall and having their side walls parallel with said heating wall; said sections being disposed adjacent each other and together forming vertical retort coking chambers between the heating walls; each section being connected for expansion with an adjacent section by an expansion joint extending from the coking chamber to each of the outer ends of said section.

1,738,744. BOX. HARRISON B. WALTER, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a Corporation of Delaware. Filed Nov. 5, 1927. Serial No. 231,211. 3 Claims. (Cl. 229—41.)

1. A box comprising lid and body sections, each having a main wall, outer side walls and end walls, with a side wall common to both, all of said walls being connected and foldable with reference to each other, and foldable webs connecting like end walls of the two sections, the lines of fold of said end walls with reference to the main walls of the two sections, when said main walls are in a

common plane, converging from the outer side wall of the lid section towards the outer side wall of the body section,

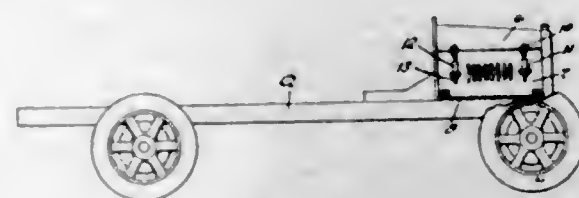


and the lines of fold defining the sides of the main wall of the lid section being spaced a greater distance apart than the like lines of the main wall of the body section.

1,738,745. PROCESS OF MAKING FORMALDEHYDE. ARCHIE J. WEITH, Caldwell, and VIRGIL E. MEHARG, Bloomfield, N. J., and HARRY W. AHLBECK, Riverside, Ill., assignors to Bakelite Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 29, 1927. Serial No. 229,789. 4 Claims. (Cl. 260—138.)

1. In a process of making formaldehyde by catalytic oxidation of methanol, maintaining substantial neutrality of the reaction mixture throughout the steps of catalysis, recovery and distillation, whereby the formation of by-products is minimized.

1,738,746. HOOD FASTENER. FRANK A. WHITTEN, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 31, 1926. Serial No. 96,761. 3 Claims. (Cl. 180—69.)

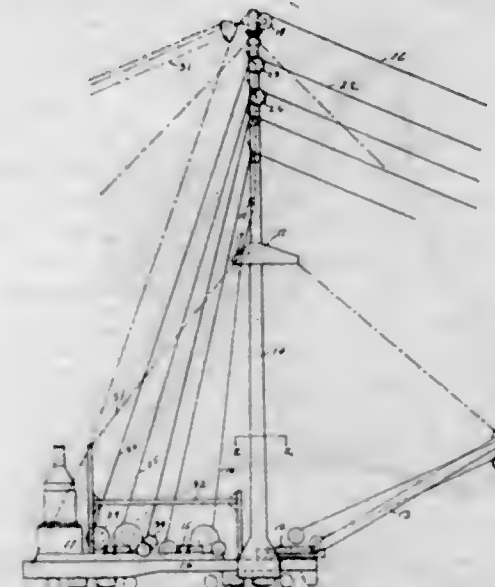


1. In combination with a hood, a support for said hood, a top panel, a removable side panel formed with a bottom reinforcing bead and a pair of apertures positioned immediately above and spaced a small distance from each end of said bead, stationary keepers within the hood comprising downwardly and outwardly projecting lugs, and a pair of latches carried by said side panel for drawing said side panel into cooperative engagement with the top panel, said lugs being arranged to extend freely through said apertures and to engage the bead of said side panel in such manner that the side panel is bodily guided inwardly and snugly seated upon its support, the said side member being positively held there by the said latches.

1,738,747. LOGGING UNIT. POWERS A. WICKES, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg. Filed Sept. 22, 1926. Serial No. 136,973. 2 Claims. (Cl. 212—5.)

1. A logging unit having an independently supported platform; an independently supported tower adapted to

straddle one end of said platform; stop means for preventing the end of said platform under said tower from being lifted upwardly; a slewing engine and boom on said

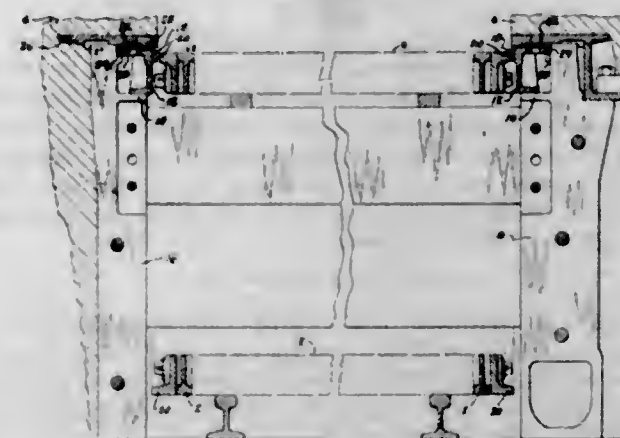


platform under said tower; a yarding engine on the unsecured end of said platform; and a track line engine between said tower and yarding engine.

1,738,748. CORROSION-RESISTING COATING. RALPH J. WIERHING and HENRY R. FAAS, Detroit, Mich., assignors to General Motors Research Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 15, 1928. Serial No. 262,034. 4 Claims. (Cl. 204—13.)

1. An article of ferrous metal having thereon an inner coating containing tin and outer coating of chromium.

1,738,749. TRAVELING GRATE STOKER. RICHARD ZINKERNAGEL, New York, N. Y., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 17, 1927. Serial No. 220,203. 7 Claims. (Cl. 110—40.)

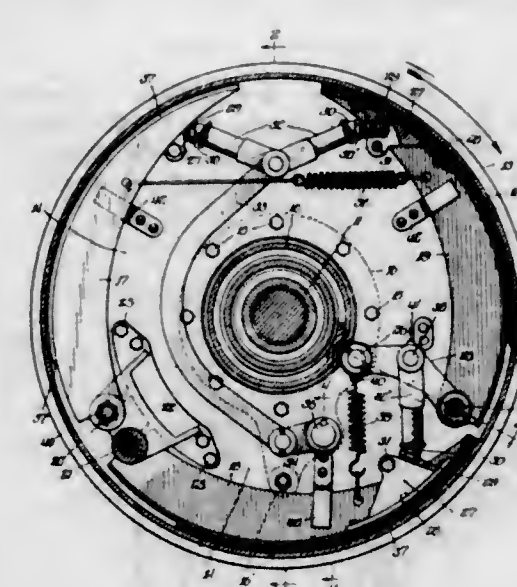


1. A traveling grate stoker having, in combination, side sealing members arranged adjacent the longitudinal sides of the upper run of the grate, and means under the control of the operator from the front of the stoker for moving said sealing members toward the sides of the grate.

1,738,750. BRAKING APPARATUS. MALCOLM LOUGHEAD, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 20, 1924. Serial No. 744,583. 13 Claims. (Cl. 188—78.)

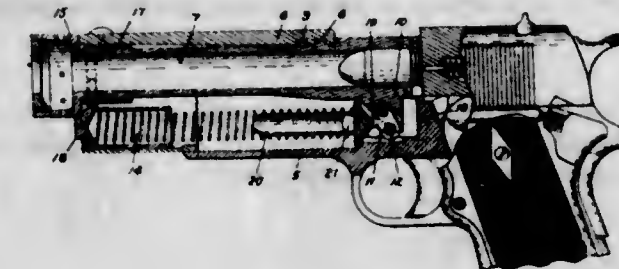
1. A self-assisting braking apparatus comprising a rotary drum, a floating shoe mounted frictionally to engage

the drum and partake of the rotary movement thereof, means for applying the floating shoe, a second shoe adapted frictionally to engage the drum, and means for trans-



lating the tractive force imparted to the floating shoe by the drum and imparting it as a thrust to the second shoe, along an axis perpendicular to a cord drum from the heel to the toe of the second shoe.

1,738,751. AUTOMATIC PISTOL. WILLIAM R. BLUEBORN, Hartford, Conn. Filed Dec. 21, 1927. Serial No. 241,696. 6 Claims. (Cl. 42—4.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



6. In a firearm, a reciprocable breech bolt, a return spring energized during recoil of the bolt and a barrel movable into battery by the bolt and an element associated with the barrel to compress the return spring as the barrel arrives in battery.

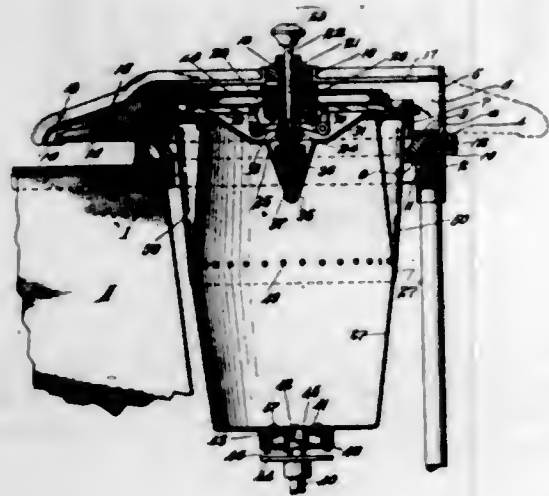
1,738,752. AMUSEMENT HOUSE. FRANK THOMAS, Indianapolis, Ind. Filed May 13, 1929. Serial No. 362,748. 9 Claims. (Cl. 272—2.)



1. An amusement structure having a land area closed by barriers from external view on both sides and rear end and open at top and from which area the public is excluded by a balustrade at its front end over and from which the enclosed area is visible, a plurality of trick and

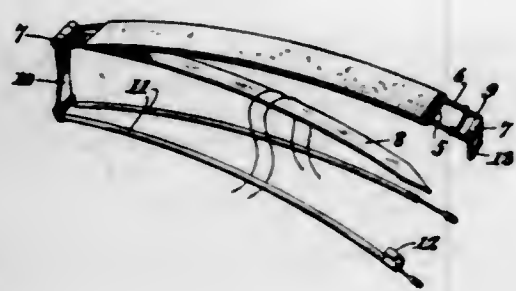
emotion producing devices arranged in a series along both sides and rear end of the land area beyond the barriers and a passageway for tourists connecting the trick and emotion devices in series and which all persons entering the structure must traverse.

- 1,738,753. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed May 4, 1927. Serial No. 188,688. 10 Claims. (Cl. 210-75.)



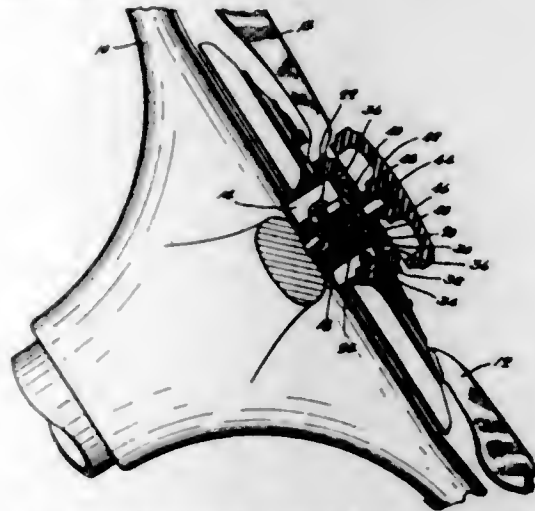
10. In a centrifugal extractor, a rotatable receptacle, means to receive liquid expelled from said extractor, a closure for the receptacle, a movable support for the closure, radially adjustable means to secure the closure to said receptacle, and means to actuate said radially adjustable means.

- 1,738,754. HAIR MARCELLER. HARRIET BACHLEDA, Minneapolis, Minn. Filed Oct. 15, 1927. Serial No. 226,383. 2 Claims. (Cl. 132-41.)



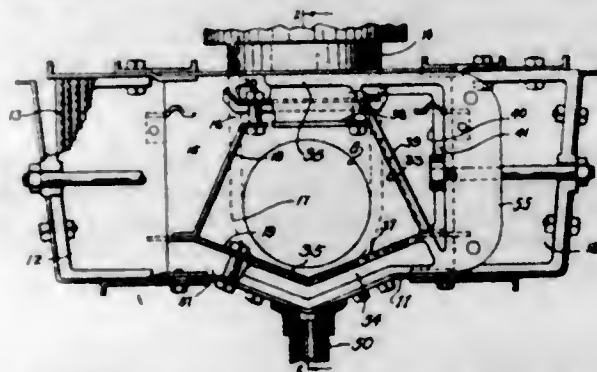
1. A hair curler of the class described comprising a plate member, a hair retaining bar pivotally attached at one end to said plate member, a catch carried by said plate member engageable with the free end of the bar whereby to secure said bar against the plate member whereby to retain the strands of hair therebetween, a link pivotally carried at the pivoted end of said bar and a pair of rods attached at one end to said link whereby to space the adjacent ends of the rods and the bar from each other a substantial distance, said rods coaxing with each other for clamping a separate portion of the hair and independent means carried by said plate member for engaging and retaining said rods in superposed relation at one side of the plate.

- 1,738,755. SWITCH CONSTRUCTION. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 5, 1927. Serial No. 189,059. 7 Claims. (Cl. 200-59.)



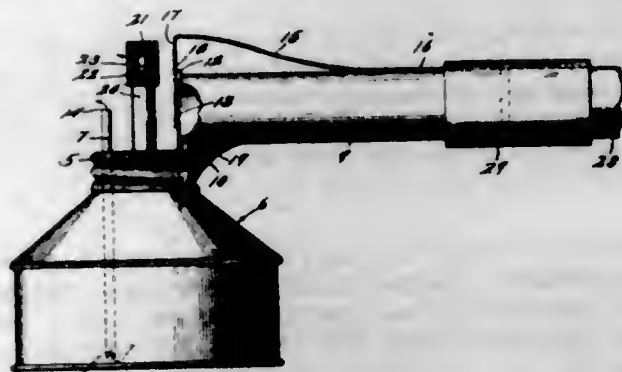
1. A switch construction comprising a base contact, a disc formed with a plurality of spring contacts, and a hand operable button adapted to move one or more of said spring contacts into engagement with said base contact, said button being returned to normal position by said spring contacts.

- 1,738,756. STEAM SEPARATOR. GRANT D. BRADSHAW, Pittsburgh, Pa., assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa., a Corporation of New Jersey. Filed June 7, 1926. Serial No. 114,063. 7 Claims. (Cl. 183-75.)



4. A steam separator according to claim 1, in which steam purifying baffles are mounted outside of said conduit and extend from substantially one end to the other and are spaced away from said conduit, whereby a passageway is formed between said baffles and said inner conduit, said passageway being continuous from substantially one end to the other of said separator.

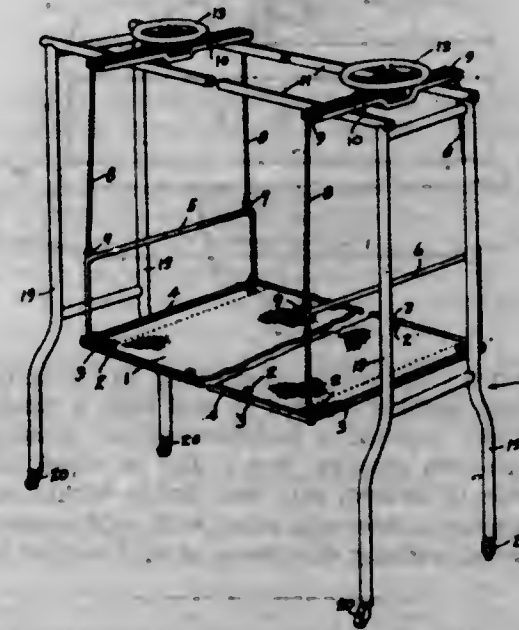
- 1,738,757. SPRAYER AND THE LIKE. HERBERT J. BRAGDON, Madison, Wis., assignor to Wisco Manufacturing Co., Madison, Wis., a Corporation of Wisconsin. Filed Sept. 30, 1927. Serial No. 223,113. 1 Claim. (Cl. 299-89.)



A device of the class described comprising in combination a cap adapted for attachment to the upper portion of

a liquid container, a relatively large air pipe having its end portion secured to one side of said cap and facing directly across the cap, a cover plate extending across and closing said end portion, there being a central opening in said cover plate, a liquid delivery tube extending through the cap at the side opposite to the position of said air pipe, said liquid delivery tube being of relatively small size and having its upper end terminating substantially in line with the central opening in the cover plate aforesaid, a spring strap having one end secured to the top side of the air pipe and extending lengthwise of said pipe to the cover plate end thereof, the end of said spring strap being turned downwardly and overlying the cover plate said spring strap normally standing with its free end portion in raised position with respect to the air pipe, an opening in the end portion of the spring strap normally standing above the position of the opening in the cover plate, whereby when the spring strap is depressed the opening of its end portion will register substantially with the opening in the cover plate, an air connection from the end portion of the air pipe through the cap to the interior of the liquid container, a vent pipe extending upwardly from the cap and having a vent opening in its upper end, and a cap on the upper end of said vent pipe, said cap being provided with an opening adapted to register with the opening of the vent pipe when the cap is turned into the proper position, substantially as described.

- 1,738,758. APPARATUS FOR LIFTING AND MOVING INVALIDS. CATHERINE M. COTTMAN, Roseburg, Ore. Filed June 9, 1928. Serial No. 284,166. 1 Claim. (Cl. 5-85.)

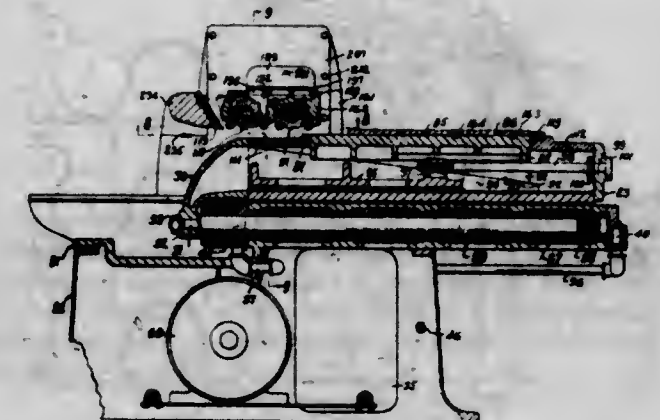


A device for moving invalids comprising a carrier having longitudinally-extending rails, each being cylindrical in cross section and having a slot in its top extending throughout the entire length; frame-carrying bars extending at right angles to the rails and having lugs with enlarged heads slidably received in the rails, whereby said bars can only slide longitudinally in the rails; a patient-supporting frame; hand wheels carried by said bars; and cables wound about said wheels and passed over said bars, the ends of said cables being secured to said frame.

- 1,738,759. MACHINE FOR REDUCING PRINTING PLATES TO UNIFORM THICKNESS. LESLIE W. CLAYBORN, Milwaukee, Wis. Filed May 14, 1928. Serial No. 277,870. 16 Claims. (Cl. 20-33.)

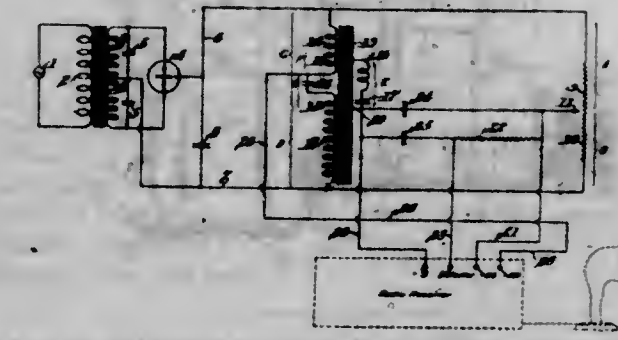
1. In a machine of the character described, the combination of a plurality of rotary cutter-heads comprising spaced-apart cutter-sections, the cutter-sections of one

cutter-head operating opposite the spaces between cutter-sections of another cutter-head, and presser means for each of said cutter-heads operating between cutter-sections of said cutter-head and opposite cutter-sections of the other cutter-head.



16. In a machine of the character described, the combination of a frame, a support for a printing plate, cutting means complementary to said support, and means causing reciprocating movement between said support and said cutting means whereby to cause cutting of said printing plate, said last-named means comprising a carriage, a cylinder and a piston therein comprising a pair of actuating members, connecting means between one of said members and said carriage, fluid means causing traverse between said members, and a single operating handle controlling the speed of traverse in both directions between said members.

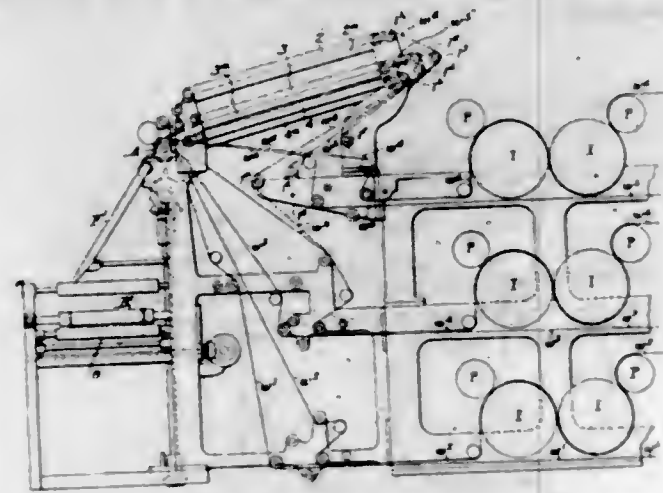
- 1,738,760. ELECTRICAL FILTER. GEORGE B. CROUSE, Woodcliff, N. J. Filed Jan. 19, 1928. Serial No. 247,953. 8 Claims. (Cl. 250-27.)



1. In apparatus for energizing an audion circuit from a source of rectified current, a plurality of impedances arranged as the balancing arms of an alternating current Wheatstone bridge across which said source and said circuit may be connected as conjugate arms, one of said balancing arms having the reactance of a composite impedance and including a pair of dissimilar shunt impedances.

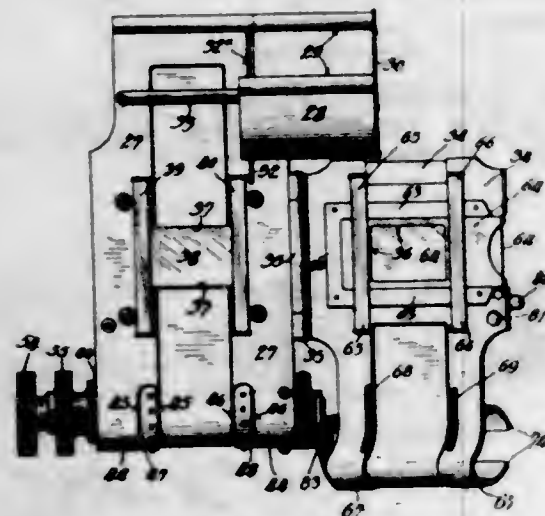
- 1,738,761. TUBULAR-PLATE PRESS AND FOLDER. EDMUND W. DEAN, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a Corporation of Michigan. Filed July 2, 1928. Serial No. 289,847. 8 Claims. (Cl. 270-5.)
1. In combination: a single past tubular plate press having a folder adjacent one end thereof and means for directing webs in a straight line from the press direct to the folder, to produce book fold papers; with an auxiliary former at one side of the press adjacent the former of the folder; angle bars and web guides whereby part of the

webs can be diverted and passed to the auxiliary former and longitudinally folded, and guides for directing such



diverted longitudinally folded webs back to the folder to be assembled with other webs passing direct to the folder to produce papers in sections.

1,738,762. PROJECTOR. RALPH P. DE VAULT, Villa Park, Ill., assignor, by mesne assignments, to International Projector Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 3, 1925. Serial No. 90,152. 7 Claims. (Cl. 88—28.)

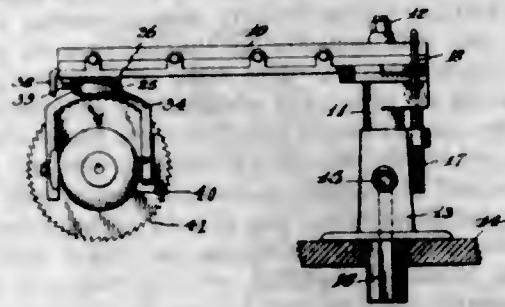


1. In a film-shifting device, the combination of a shaft mounted for rotation, a sprocket on said shaft, means for rotating said shaft and sprocket to advance the film for projection, and means for rotating said shaft and sprocket for framing, said last-mentioned means comprising a ratchet element and a pawl element, one of said elements being operatively carried by said sprocket, the other of said elements being mounted for movement about the axis of the sprocket, means for rotatively moving said element which is mounted to move about the axis of the sprocket whereby when rotative movement is applied thereto the ratchet and pawl communicate such rotative movement to the sprocket.

1,738,763. WOODWORKING MACHINE. RAYMOND E. DE WALT, Leola, Pa., assignor to De Walt Products Company, Leola, Pa., a Copartnership consisting of Isaac Lichty Rutt and Clarence Paul Gardner. Filed May 10, 1926. Serial No. 108,140. 5 Claims. (Cl. 143—6.)

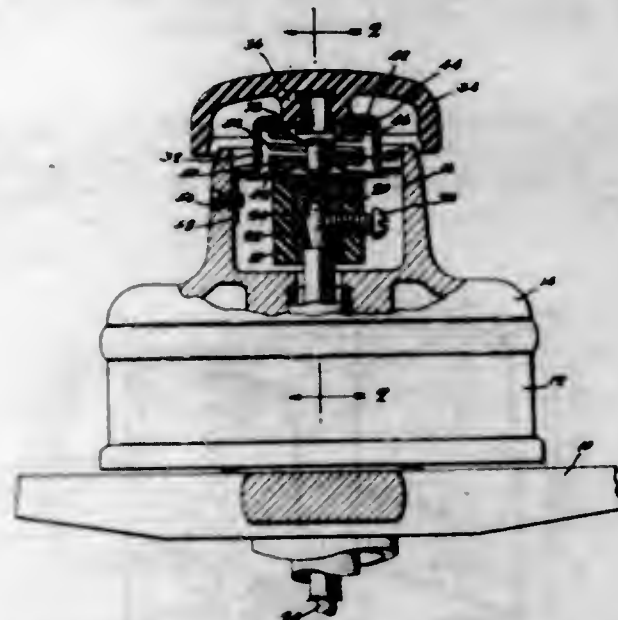
5. In a woodworking machine, a tool supporting arm, a yoke mounted on said arm, a woodworking tool mount-

ed in said yoke, vertically engaging means carried by the yoke and arm to position said yoke about a vertical axis relative to said arm, and a cam member operative to



raise the yoke to disconnect the engaging means to permit rotation of the yoke about said vertical axis to a different position.

1,738,764. SWITCH CONSTRUCTION. HARRY C. DOANE, Flint, and LLOYD BLACKMORE, Highland Park, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 1, 1927. Serial No. 180,283. 4 Claims. (Cl. 200—159.)



1. A switch construction comprising an insulating base, a cup-shaped member secured to said base, a washer having a central opening, a movable contact member passing through said opening, and a disc to which said contact member is secured, said disc fitting within said cup-shaped member and co-operating with said central opening to prevent rocking movement of said contact member.

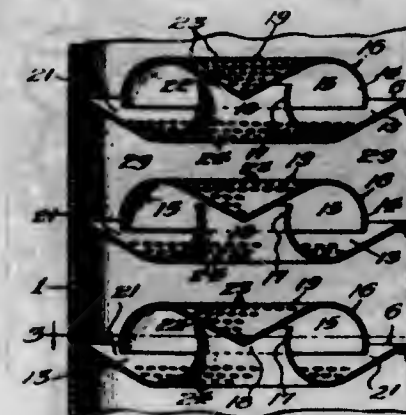
1,738,765. PROCESS FOR THE MANUFACTURE OF TITANIUM DIOXIDE. FRITZ DOMINICK, Leverkusen-on-the-Rhine, and LUDWIG MUEHLER, Dormagen-on-the-Rhine, Germany, assignors, by mesne assignments, to Titanium Pigment Co., Inc., New York, N. Y., a Corporation of Maine. Filed Jan. 25, 1927. Serial No. 163,556, and in Germany Feb. 1, 1926. 2 Claims. (Cl. 23—202.)

1. In the manufacture of titanium dioxide which remains white at incandescence the step which comprises hydrolyzing a titanium solution in the presence of a reducing sulfur-oxygen compound in a quantity corresponding at least to the trivalent iron and other oxidizing agents present in the solution.

1,738,766. APPARATUS FOR DEPHLEGMATION. PAUL J. DUNCAN, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed May 16, 1927. Serial No. 191,644. 2 Claims. (Cl. 261—113.)

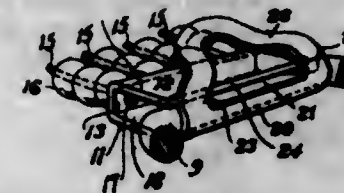
1. A dephlegmator comprising a shell and vapor inlet and outlet, sets of transversely curved baffles mounted

therein each set being spaced from another and the baffles of each set being spaced from each other, one baffle of a set being curved oppositely to an adjacent baffle of that



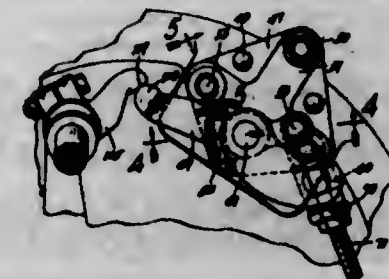
set thereby forming rings having inlet and outlet, said baffles having intermediate perforated areas through which descending liquid drops to the baffle below.

1,738,767. BRACELET CLASP FOR WRIST WATCHES. JACK J. FELSBERG, Brooklyn, N. Y. Filed Mar. 13, 1926. Serial No. 94,544. 1 Claim. (Cl. 24—237.)



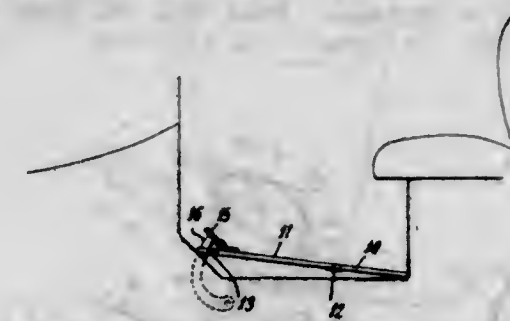
A clasp of sheet metal comprising spaced inner and outer walls; a cross-connecting web for said walls having perforations to permit the insertion of bead strings and form an anchorage for the knotted ends thereof in concealed position; said outer wall having an intumed unyielding gripping lip; and a non-resiliently bendable blocking portion of weaker construction than said lip and integral with said unyielding lip and extending inwardly and over said inner wall; and said inner and outer walls at their free ends being relatively resiliently bendable and subject to reinforcement against separable bending by a non-resilient bending of said portion of weakened construction.

1,738,768. FRONT-WHEEL BRAKE. ALBERT W. FREHSE, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 5, 1927. Serial No. 237,830. 8 Claims. (Cl. 188—194.)



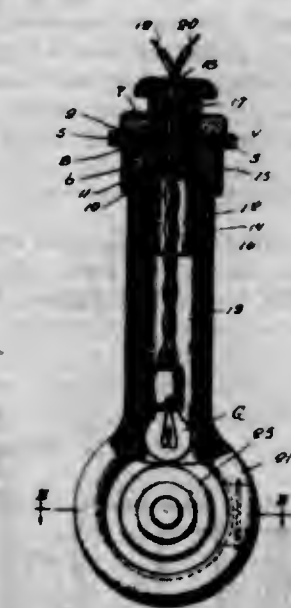
1. In combination, an axle, a steering knuckle swivelled to said axle, a wheel on said steering knuckle, brake mechanism in part on the wheel and in part swivelling with the knuckle, actuating means for said brake mechanism carried by the knuckle, operated means including a rock shaft on the axle and an arm on the rock shaft engaging said actuating means, the engaging points of said members positioned for relative movement about a point substantially in the swivelling axis of the steering knuckle.

1,738,769. BRAKE-LOCKING DEVICE. WALTER L. FRY, New York, N. Y. Filed Oct. 6, 1925. Serial No. 60,316. 6 Claims. (Cl. 254—123.)



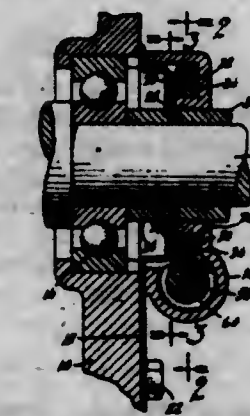
5. A brake locking device for motor cars comprising hinged members one of which has a manually adjustable extension shaped to engage the brake lever of the car to rigidly retain said lever in a predetermined position and means engaging the foot pedal to position the device.

1,738,770. FLEXIBLE TAIL LIGHT FOR VEHICLES. MATHILDE T. GUYER, New York, N. Y. Filed Jan. 5, 1928. Serial No. 244,678. 10 Claims. (Cl. 240—8.3.)



1. A tail light structure comprising an attachment portion, a portion having a light displaying window opening therethrough, a flexible portion extending between and connecting the second mentioned portion with said attachment portion, a lamp arranged to illuminate said window being free of all of said mentioned portions, and flexible conductors for said lamp constituting the sole support for said lamp.

1,738,771. SPEEDOMETER DRIVE. EDWIN A. GUSTAFSON, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed June 8, 1927. Serial No. 197,406. 9 Claims. (Cl. 74—7.)



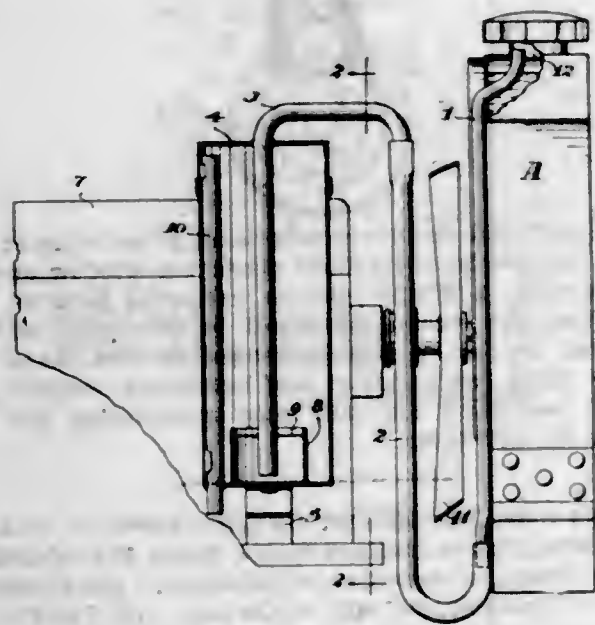
1. The method of securing a standardized instrument drive housing to any one of a plurality of casings, consisting in providing attaching plates of suitable size and dimensions for each of said casings and securing one of said standardized housings to each of said plates.

1,738,772. OUTBOARD-MOTOR TACHOMETER ORGANIZATION. GORDON W. HARRY, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed Sept. 17, 1928. Serial No. 306,355. 11 Claims. (Cl. 115-18.)



1. An outboard motor organization comprising: a pivotally mounted motor including a non-rotary frame and a rotary shaft; a speed-responsive instrument; means for driving said instrument from said shaft; and shiftable means for supporting said instrument from said frame.

1,738,773. VAPOR CONDENSING AND RECOVERY DEVICE. ARTHUR E. HESSE, St. Paul, Minn. Filed Jan. 28, 1928. Serial No. 250,106. 2 Claims. (Cl. 257-25.)

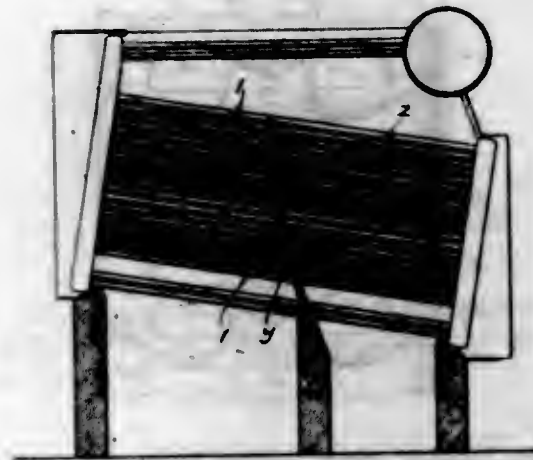


1. A vapor condensing device of the character described, comprising a container, means connecting the container with the cooling system of an internal combustion motor, said means opening into said container near the lower end thereof, a receptacle positioned beneath the lower end of said means, said receptacle being of smaller diameter than said container, and overflow means associated with the container and opening into the container near the upper end thereof.

1,738,774. BAFFLE OR WALL. JOHN H. HINMAN, St. Louis, Mo., assignor to Helne Boller Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 11, 1927. Serial No. 182,858. 10 Claims. (Cl. 110-98.)

1. A baffle or wall composed of members having co-operating spaces adapted to receive devices which pass

through the wall and provided with co-operating interlocking portions constructed to permit the adjacent members to be arranged either in-alignment or in offset relation with each other so as to vary the shape or angle of the front and rear faces of the wall.



2. The combination with a stair step of a rubber tread and securing means therefor, said tread comprising a sheet of rubber having a friction surface on its upper face and a suction surface on its lower face adapted to grip the stair, and fastening means secured to and engaging one edge portion of the sheet and said stair, said fastening means comprising a metallic plate formed with an elongated slot having an enlarged circular screw head receiving portion merging into a narrow screw head engaging portion, and a screw passing through the slot at a point remote from the circular portion thereof and entering said stair.

1,738,775. STAIR TREAD AND HOLDER. JOSEPH C. JACQUES, Buffalo, N. Y. Filed Nov. 28, 1927. Serial No. 236,216. 2 Claims. (Cl. 20-79.)



2. The combination with a stair step of a rubber tread and securing means therefor, said tread comprising a sheet of rubber having a friction surface on its upper face and a suction surface on its lower face adapted to grip the stair, and fastening means secured to and engaging one edge portion of the sheet and said stair, said fastening means comprising a metallic plate formed with an elongated slot having an enlarged circular screw head receiving portion merging into a narrow screw head engaging portion, and a screw passing through the slot at a point remote from the circular portion thereof and entering said stair.

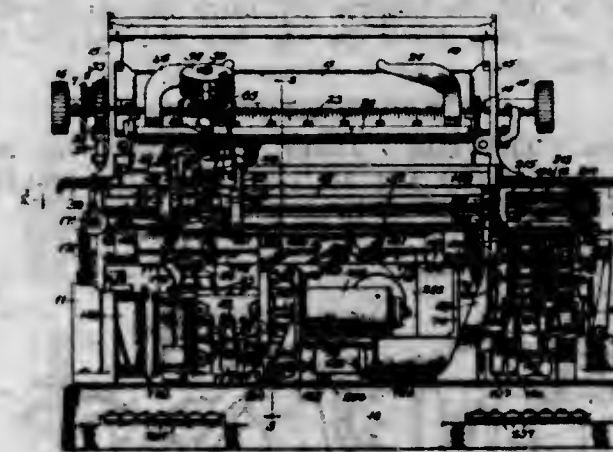
1,738,776. AQUEOUS DISPERSIONS AND PROCESS OF MAKING SAME. LESTER KIRSCHBAUM, Leonia, N. J. Filed Oct. 6, 1927. Serial No. 224,526. 13 Claims. (Cl. 134-1.)

1. An aqueous gelled dispersion of a waterproofing material, the aqueous phase containing silica in "gelled" form.

1,738,777. PRINTING-TELEGRAPH APPARATUS. CHARLES L. KRUM and HOWARD L. KAUM, Chicago, Ill., assignors, by mesne assignments, to Teletype Corporation, Chicago, Ill., a Corporation of Delaware. Filed Oct. 13, 1919, Serial No. 230,325. Renewed Aug. 8, 1928. 50 Claims. (Cl. 178-29.)

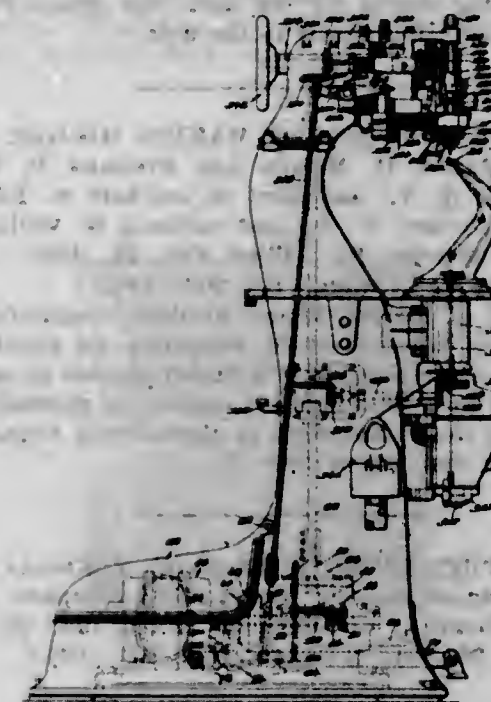
1. In a telegraph printer, a set of selectors, printing means controlled thereby, a set of selector shifters, individual springs for effecting the selector setting movements

of said shifters, latches for holding said shifters in retracted positions, a set of selecting magnets for tripping



said latches, and means for resetting said shifters independently of said selectors and in advance of the complete operation of said printing means.

1,738,778. SEWING MACHINE. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 2, 1924. Serial No. 690,265. 28 Claims. (Cl. 112-34.)



1. A chain stitch shoe sewing machine having, in combination, stitch forming devices including a straight hook needle acting during its retracting stroke to exert a stitch setting strain on the seam, a shoe supporting horn arranged to extend within the shoe, needle threading mechanism located in the horn, a sewing shaft and suitable connections for actuating the stitch forming devices, means for driving the sewing shaft, and means for disconnecting the sewing shaft from its driving means and for rendering inoperative the actuating connections between the needle and shaft while the needle is at the limit of a loop drawing stroke.

1,738,779. COLLAPSIBLE PAPER CUP. MARQUIS H. LOCKWOOD, New York, N. Y., assignor to Charles Errett, New York, N. Y. Filed June 2, 1923, Serial No. 642,808. Renewed Apr. 3, 1929. 6 Claims. (Cl. 229-57.)

1. In a cup of the character described, the combination of a collapsible blank forming the walls of the cup having

but two diametrically opposite fold lines, and a separate blank secured thereto forming the bottom of said cup and provided with fold lines for a saddle fold, the bottom

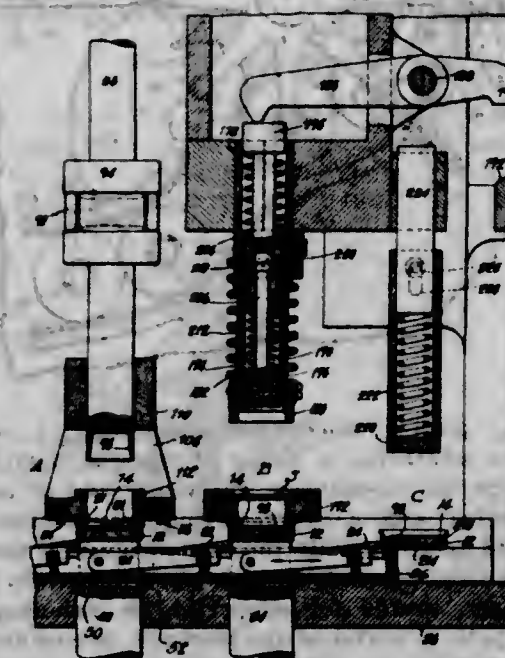


and wall blanks being adapted to fold on their respective fold lines so that the cup may be collapsed into flat form, with the bottom in a saddle fold between single thickness flat walls of said wall blank.

1,738,780. CHROME-GREEN PIGMENT AND ITS MANUFACTURE. FRANK S. LOW, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed Feb. 18, 1927. Serial No. 169,410. 7 Claims. (Cl. 134-58.)

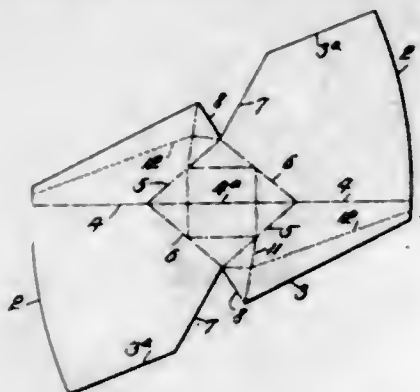
7. The process of forming chrome green pigment which comprises treating micaceous laminated chromic chloride with steam at 300° to 450° C.

1,738,781. MACHINE FOR APPLYING SEALS TO CUSHION INSERTS. FREDERICK C. LUNDELL and CHARLES B. REGAN, Brooklyn, N. Y., assignors to The Milton Cork Company, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 25, 1928. Serial No. 256,865. 17 Claims. (Cl. 113-80.)



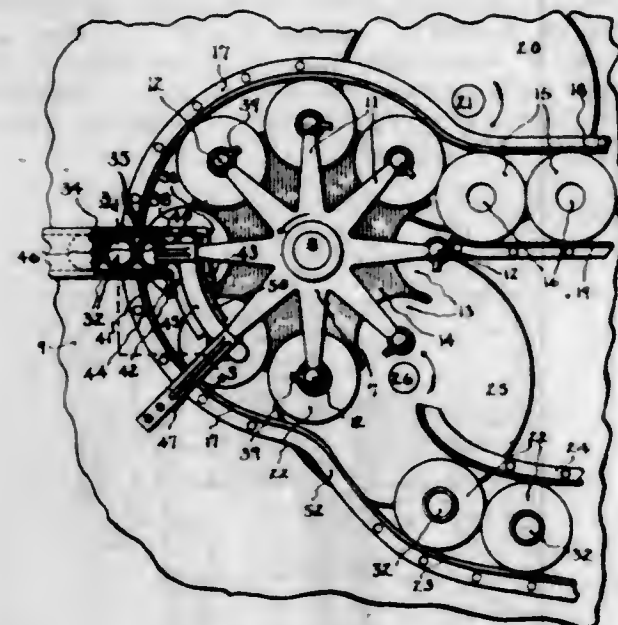
1. A machine for applying seals to caps provide with cushion inserts, comprising means for forming an annular groove in the cushion insert of the cap, means for positioning a flat disc in substantially concentric relationship to the groove in the cap and means effective to bend an annular portion of the disc over the central part of the cushion insert to embed the peripheral portion of the disc in the groove in said cushion member.

1,738,782. COLLAPSIBLE PAPER CUP. WILLIAM J. MAIN, Westport, Conn., assignor to Charles Errett, New York, N. Y. Filed Jan. 26, 1924, Serial No. 688,673. Renewed Apr. 3, 1929. 11 Claims. (Cl. 229—53.)



6. A collapsible paper cup, comprising a substantially parallelogrammatical blank, which is folded in reverse folds along a line extending longitudinally of the blank and at an acute angle to each of its side edges, said fold line being so located that when the blank is folded, diagonally opposite portions of the blank between the fold line and the side edges of the blank form the sides of the cup in flat folded form.

1,738,783. MECHANISM FOR PLACING CAPS ON CANS. JOHN M. MCCLATCHIE, New York, N. Y., assignor to The Borden Company, New York, N. Y., a Corporation of New Jersey. Filed May 11, 1927. Serial No. 190,465. 8 Claims. (Cl. 113—29.)

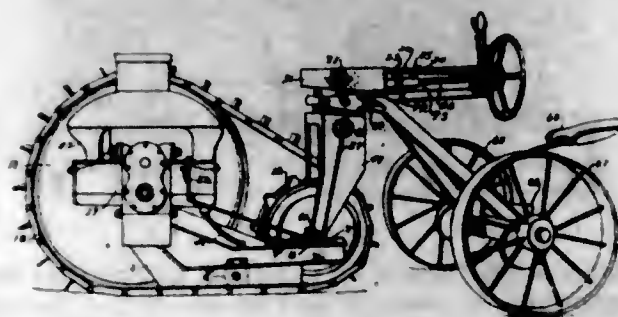


1. A cap placing mechanism comprising, a rotatable member for advancing a series of cams in upright position through the mechanism, the upper end of each cam being provided with a cap receiving hole, means traveling in fixed relation with the cam advancing means for supporting above the hole in each cam a vertically reciprocable plunger, means for supporting a dish-shaped cap under the path of travel of the plungers, means associated with each plunger for engaging the cap and advancing it with the plunger, means for forcing the plunger downwardly to cause the lower end thereof to enter the cap, and flexible means for holding the cap against the plunger to permit the cap to be carried along by the plunger, said plunger depressing means acting to cause the plunger to insert the cap in the can thereunder after passing the flexible means.

7. A cap placing mechanism comprising, means for advancing a can having a hole in its top cover, a vertically reciprocable plunger mounted in alignment with the hole

in the can and arranged to travel in unison with the can, means for supporting a cap, and means for actuating the plunger to insert the lower end of the plunger into the cap so that the plunger will carry the cap forward with it and then force the cap into the hole in the cover of the can.

1,738,784. TRACTOR. JAMES H. MCCOLLOUGH, San Jose, Calif. Filed Aug. 16, 1927. Serial No. 213,341. 8 Claims. (Cl. 180—9.1.)

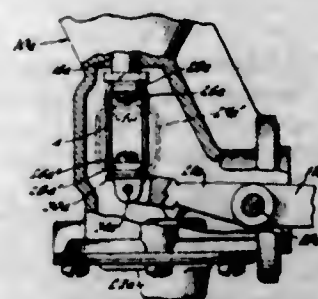


1. A tractor including an inherently unstable pulling unit comprising a driving wheel, an idler wheel of greater diameter than the driving wheel, a connecting frame supporting the wheels in a common plane, a track mounted on the wheels, a power plant mounted on the frame about the axis of the idler wheel, transmission means inserted between the power plant and the driving wheel, steering means for the unit, and means for connecting a stabilizing means to the unit.

1,738,785. PROCESS OF MAKING HIGHER ALCOHOLS. RALPH H. MCKER and STEPHEN P. BURKE, New York, N. Y., assignors of one-half to Ralph L. Brown, Syracuse, N. Y., and one-half to William W. Odell, Pittsburgh, Pa. Filed Feb. 21, 1923. Serial No. 620,484. 12 Claims. (Cl. 260—156.)

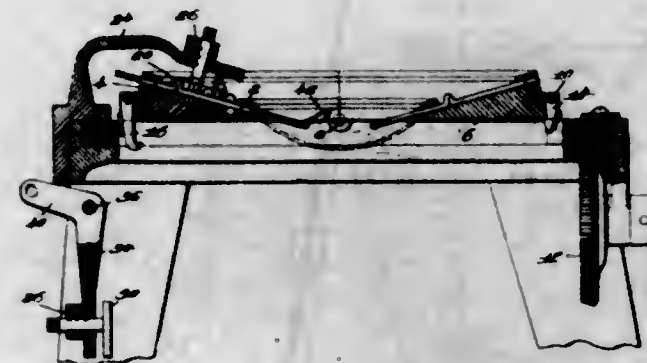
1. Process of making higher alcohols comprising contacting a gas mixture which comprises an unsaturated hydrocarbon corresponding to a higher alcohol to be made and steam with a solid catalyst capable of promoting the hydrolysis of the hydrocarbon to alcohol at a temperature with a lower limit about 300° C.

1,738,786. FUEL PUMP. CHARLES W. MCKINLEY, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed June 23, 1923. Serial No. 287,754. 6 Claims. (Cl. 103—150.)



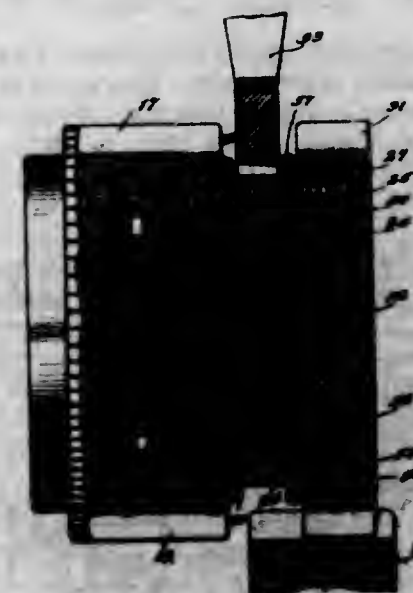
1. A pressure-responsive pumping organization including a reciprocable pumping element provided with pressure-responsive resilient means for advancing the same and with an attached handling element for retracting the same, a uniform throw actuating element, and thrust-refusing means interposed between said handling element and said reciprocable element and having the form of a flexible link formed of a substantially inextensible material, the straightening of which gives a fixed inner limit to intake strokes imparted by said actuating element.

1,738,787. METHOD AND MACHINE FOR KNITTING TUBULAR FABRIC HAVING CLOSED ENDS. MAX C. MILLER, Cumberland, R. I. Filed Mar. 23, 1921. Serial No. 454,779. Renewed Mar. 5, 1929. 18 Claims. (Cl. 66—34.)



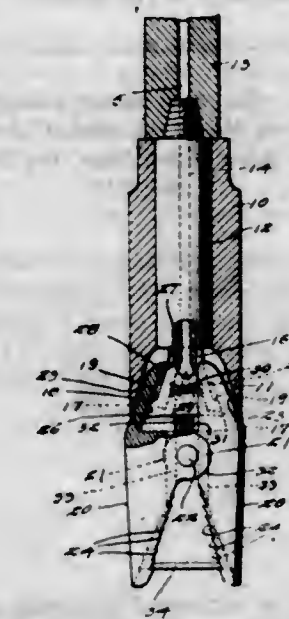
18. A needle dial having its grooved face dished to guide the needles in radiating inclined paths and divided diametrically into two half sections, and a connection between the sections permitting them to be folded back to back, the needles in each position of the half sections being arranged to cooperate in knitting a single fabric.

1,738,788. MULTIPLE-DISK SYNCHRONIZER. HOWARD J. MURRAY, Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 6, 1925. Serial No. 48,569. 5 Claims. (Cl. 74—58.)



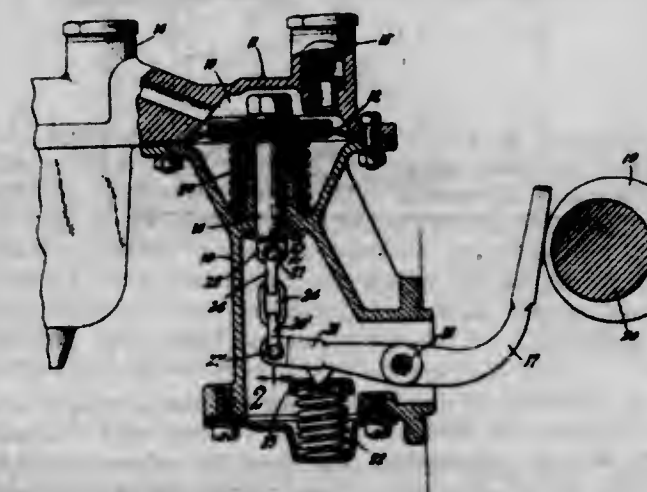
1. In a gear synchronizing device, the combination with a pair of power gears adapted to be moved to and from an intermeshing position, one of said gears provided with a hub extension, a stop member at the outer end of said extension, said extension between the gear and stop member provided with a keyway, a synchronizer gear having one end rotatably mounted on said stop member and having a hub extension from the other end encircling the hub extension from the power gear, the end of the hub extension from the synchronizer gear having an internal flange rotatably mounted on the hub extension from the power gear, said synchronizer gear and its hub extension provided with a keyway, a multiple disk friction clutch disposed between the stop member and the internal flange, alternate disks of said clutch being secured against rotary movement in one of said keyways and the others similarly secured in the other keyway and said synchronizer gear being shiftable axially to cause the clutch to function and thus clutch the synchronizer to the power gear.

1,738,789. OUTSIDE FISHING TOOL FOR USE IN DEEP WELLS. EDGAR H. NEWKIRK, Oklahoma City, Okla. Filed Nov. 5, 1927. Serial No. 231,316. 4 Claims. (Cl. 294—115.)



1. In an outside fishing tool, a pair of jaws pivoted intermediate the ends thereof, a wedge disposed between the upper ends of the jaws, said wedge and jaws being inseparable but capable of relative movement in the general direction of the longitudinal axis of the tool, said wedge during such movement, when in a direction causing the wedge to approach the outer ends of the jaws, causing adjacent faces of the lower ends of the jaws to approach one another, adjacent faces of the lower ends of the jaws having gripping teeth, the upper ends of the jaws combining to produce a substantially conical member, a plunger upon the lower end of which the wedge is secured and at the upper end of which means are provided for engagement with a string and a barrel loosely surrounding said plunger and having at its lower end a downwardly tapering bore adapted to receive the conical member produced by the jaws.

1,738,790. LINKAGE FOR FUEL PUMPS. FRANK N. NUTT, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Company of Michigan. Filed June 20, 1928. Serial No. 286,770. 3 Claims. (Cl. 103—150.)



1. A pressure-responsive pump organization including: a reciprocable pump element having resilient means to effect expulsion strokes thereof and also an attached

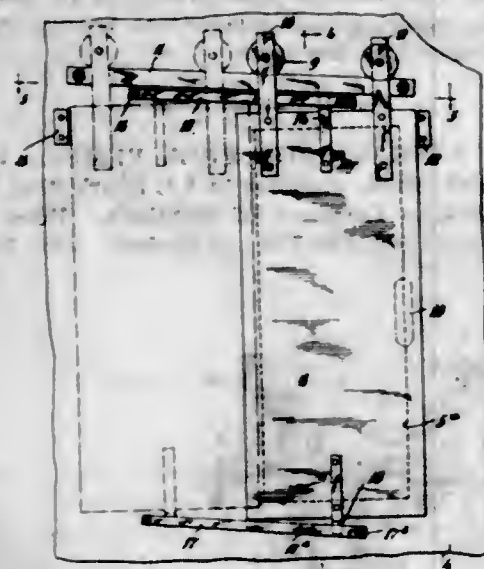
handle element an actuating element having a uniform throw; and a thrust-refusing motion-transmitting means in the form of substantially inflexible open links adapted to so sag as substantially to obviate contact noises between said actuating element and said attached element to impart variable strokes to the latter.

1,738,791. LEVEL. GALE R. OBER, Chagrin Falls, Ohio, assignor to The Ober Mfg. Company, Chagrin Falls, Ohio, a Corporation of Ohio. Filed Mar. 18, 1926. Serial No. 95,576. 3 Claims. (Cl. 33-211.)



1. An article of the character described having in combination a level stock provided with a transverse aperture, a pair of stamped metal plates adapted to coact with each other to form a vial receiving frame, said plates having arcuate end portions and enlarged side portions positioned at right angles thereto, said arcuate end portions being each provided with a pair of depressed semi-circular seats with closed ends to coact with the ends of a levelling vial when said frames are housed.

1,738,792. DOOR. JOHN F. O'ROURKE, New York, N. Y. Filed Nov. 13, 1925. Serial No. 68,801. 5 Claims. (Cl. 20-19.)



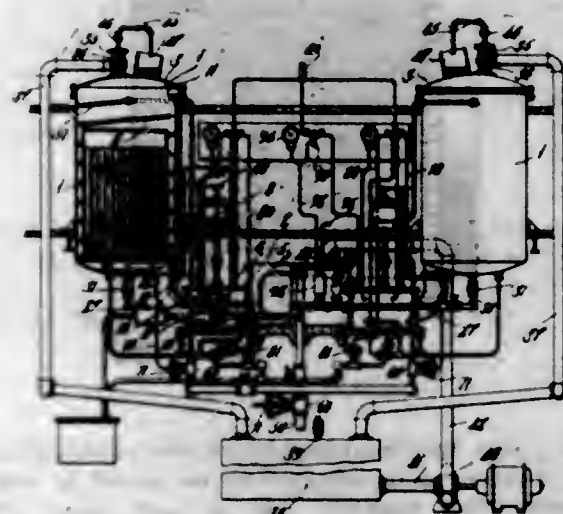
1. A structure of the class described comprising a wall and a doorway in said wall, a door to close said doorway, means slidably supporting the door for edgewise travel relatively to the doorway, a bar carried by the wall and having an inset portion adjacent to the closed position of the door, said door having a projection cooperative with said bar adapted to cause the door while travelling edgewise to move bodily laterally to jam its edges tightly against the wall and close the doorway tightly all around the margin of the door.

1,738,793. ADJUSTABLE POSTER FRAME. ELMER E. PAINE, Santa Rosa, Calif. Filed Oct. 24, 1927. Serial No. 228,185. 14 Claims. (Cl. 40-146.)



2. A poster frame comprising a plurality of frame members, means on the outer ends of said frame members for holding the opposite edges of a poster, the inner end of each frame member being bent and slotted so as to hold the other frame member therein in an adjusted position and a leg secured to said frame members.

1,738,794. METHOD AND APPARATUS FOR SATURATING FIBROUS ARTICLES. HOWARD PARKER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Mar. 6, 1925. Serial No. 13,664. 17 Claims. (Cl. 91-70.)

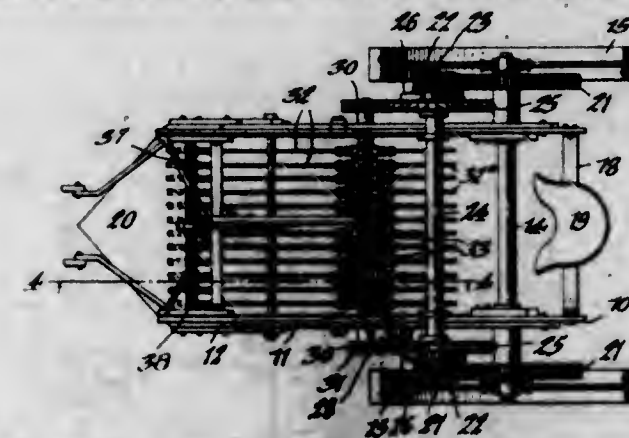


1. The method of saturating fibrous articles which comprises immersing such articles in heated saturant and permitting gases to escape from the voids thereof, subjecting the articles so immersed to pressure above atmospheric, then reducing the pressure and permitting more gases to escape, again increasing the pressure above atmospheric, drawing off the saturant, reducing the pressure to atmospheric, and permitting the articles to cool freely in the air.

1,738,795. POTATO DIGGER. JOHN REUTHER, East Aurora, N. Y. Filed Jan. 18, 1928. Serial No. 246,407. 4 Claims. (Cl. 55-141.)

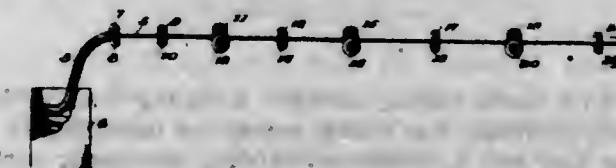
4. In a potato digger, the combination of a frame having an axle at its rear end, a plow, a plurality of separator

bars disposed rearwardly of said plow, actuating mechanism for said separator bars including a shaft, gears fixed on the axle at its opposite ends, a counter shaft journaled in said frame and carrying pinions meshing with said gears, sprocket wheels loosely mounted on the counter shaft, companion sprocket wheels fixed on the shaft of said



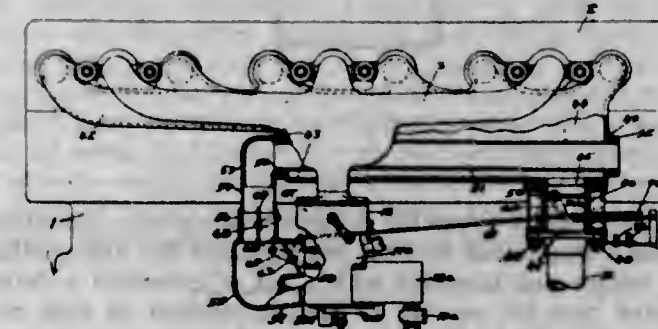
separator bar actuating mechanism, sprocket chains passing around said wheels, the sprocket wheels on said last-named shaft being of different diameters, and clutch means for the counter shaft sprocket wheels for controlling the drive of the crank shaft through one or the other of its sprocket wheels.

1,738,796. PROCESS AND MECHANISM FOR THE MANUFACTURE OF ROVING OR YARN. WILLIAM G. REYNOLDS, Selma, N. C., assignor of one-half to Edgar A. Terrell, Charlotte, N. C. Filed Apr. 22, 1927. Serial No. 185,834. 9 Claims. (Cl. 10-157.)



1. A continuous process for the production of a composite strand of drawn fibrous material and undrawn material, which process consists in drawing out a strand or silver of cotton or other fibers, then condensing the same by folding it upon itself and passing it between moving compression elements under yielding pressure, then drawing the strand further and repeating these operations continuously until the desired state of fineness is attained, and at the final drawing operation running and uniting a strand of undrawn material such as rayon with the strand of fiber.

1,738,797. HEATING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. EUGENE C. RICHARD, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Original application filed Oct. 28, 1921, Serial No. 511,173. Divided and this application filed Nov. 12, 1925. Serial No. 68,633. 6 Claims. (Cl. 23-122.)

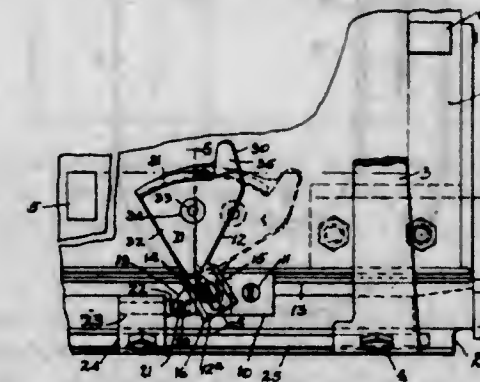


1. In combination with an internal combustion engine including a carburetor provided with an air intake for supplying air for forming a fuel mixture, of means controlled by the flow of exhaust gas from the engine for varying the temperature of the intake air anterior to the mixing of said air and fuel in said carburetor.

1,738,798. PRINTING-INK COMPOSITION AND PROCESS OF MAKING SAME. GEORGE A. RICHTER and EVERETT W. LOVERING, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Aug. 30, 1927. Serial No. 216,498. 13 Claims. (Cl. 134-36.)

9. A printing ink composition comprising 12 parts carbon black, 100 parts of hydrocarbon oil of a specific gravity of 0.94 to 0.95, and 89 parts of sodium base waste sulphite liquor of 32.6% solids content and containing 0.24 parts of soap, said liquor and soap being dispersed in such oil.

1,738,799. SHEET-REGISTERING DEVICE. CHARLES F. ROOT, Cleveland, Ohio, assignor to The Chandler and Price Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 13, 1927. Serial No. 225,927. 11 Claims. (Cl. 101-414.)



1. The combination with a platen having an end stop and a slide stop thereon, of a sheet receiving and registering device located intermediately of said stops, said device being movable to carry a sheet received thereby towards said slide stop and being itself adapted to serve as a second end stop for such sheet.

1,738,800. SOLDERING APPARATUS. JOHN F. SCHYLANDER, Chicago, Ill. Filed May 13, 1927. Serial No. 191,144. 5 Claims. (Cl. 113-109.)

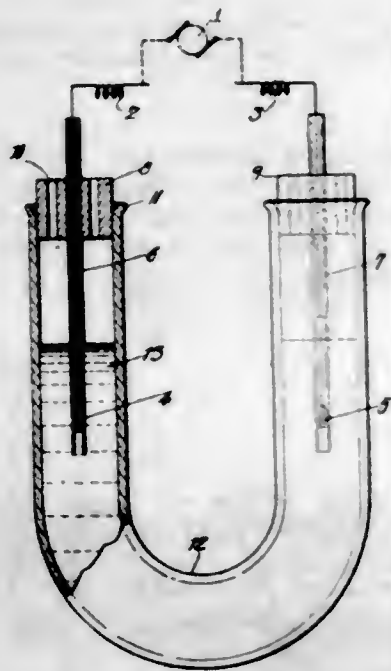


1. Apparatus for feeding solder to the tip of a soldering iron, said apparatus comprising a plurality of plates, a member cooperating with said plates to form a tube through which solder may be advanced to said tip, a plunger slidably journaled between said plates and engageable with the solder, clamping means for securing said plates to said soldering iron, and means movably mounted upon said clamping means for displacing said plunger to advance said solder toward said tip.

1,738,801. APPARATUS FOR AND PROCESS OF DETECTING AND SEGREGATING BACTERIA IN LIQUIDS. RUBEN B. SHEMITZ, Brooklyn, and HARRY F. WECHSLER, New York, N. Y. Filed Dec. 2, 1926. Serial No. 152,289. 2 Claims. (Cl. 204-5.)

1. An apparatus for the detection of bacteria comprising a receptacle, a closure therefor, an electrolytic solution in said receptacle with which the bacteria to be detected has

been mixed, electrodes positioned in said receptacle and means for passing a current of electricity between said



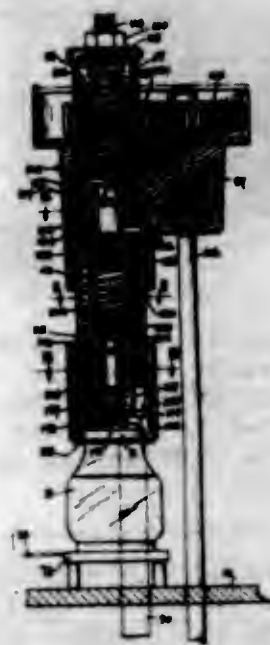
electrodes whereby the bacteria in the solution will be attracted to said electrodes, and electrode surrounding tubes passing through and held in said closure.

1,738,802. MIRROR STRUCTURE FOR PURSES, HAND BAGS, AND THE LIKE. HOWARD A. STANLEY, Bloomfield, N. J. Filed May 2, 1928. Serial No. 274,487. 4 Claims. (Cl. 150-28.)



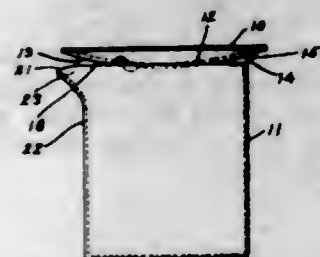
1. In a purse, hand-bag, or the like having a mirror mounted thereon with its reflecting surface exposed at an exterior side thereof, an external perforate cover flap movable to engage over the exposed mirror surface.

1,738,803. BOTTLE-SEALING MACHINE. ANTON P. STANSSEN, Brooklyn, N. Y., assignor to National Seal Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 14, 1926. Serial No. 9,086. 10 Claims. (Cl. 226-88.)



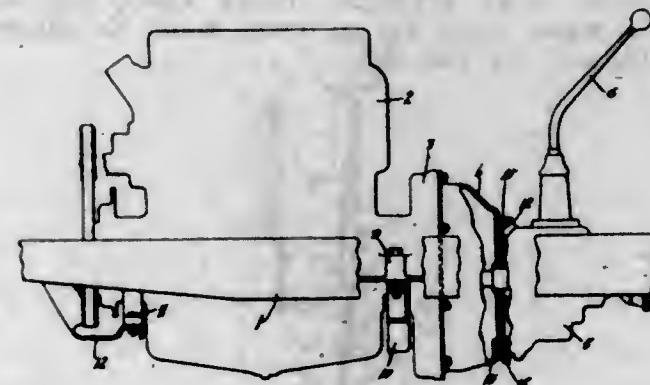
5. In a bottle-sealing machine, a sealing head having a therein rotatable seal clamp, means for imparting to said clamp and seal a compound twisting movement horizontally in both directions to register the seal on the bottle opening, said means thereafter turning the clamp in one direction to lock the seal on the bottle.

1,738,804. WATCH-GLASS COVER FOR BEAKERS. KONSTANTIN STUSSER, New Britain, Conn. Filed June 22, 1928. Serial No. 287,003. 1 Claim. (Cl. 23-292.)



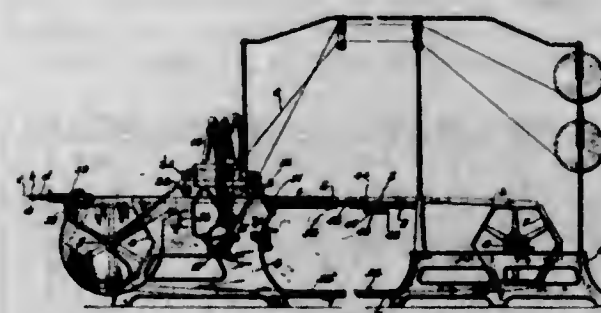
A watch-glass cover for beakers comprising a structure having a contacting face for seating upon the rim portion of a beaker and provided with a set of generally radially directed ribs for seating in spaced relation to said rim portion, said ribs terminating by their outer ends so that said contacting face is unobstructed thereby, and the parts being constructed and arranged so that with a beaker that is provided with a pouring lip, by positioning one of said ribs within the pouring trough provided by said lip the cover may be shifted so as to change the seating of the cover from said ribs to said contacting face.

1,738,805. ENGINE REAR SUPPORT. DONALD S. TAYLOR, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 11, 1927. Serial No. 174,603. 5 Claims. (Cl. 180-64.)



1. In a motor vehicle, the combination of a chassis frame, an engine, means to support the engine in the frame, drive mechanism associated with the engine and projecting beyond said supporting means including a clutch and change speed mechanism, and a cross bar interposed between and secured to the clutch and change speed mechanism and having its ends secured to the frame, for rigidly bracing the drive mechanism against vibration.

1,738,806. MACHINE FOR USE IN MAKING BOXES. OSCAR C. THOMPSON, Mountain Lakes, N. J., assignor to Wirebonds Patents Company, a Corporation of Maine. Filed Mar. 5, 1923. Serial No. 13,304. 45 Claims. (Cl. 1-3,2.)

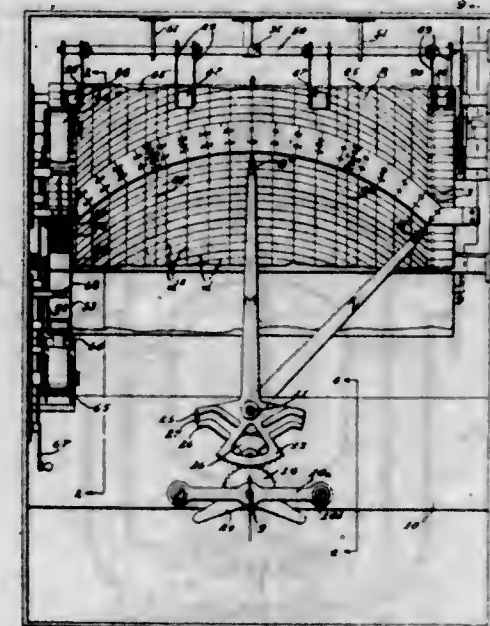


1. A machine for use in making boxes, crates or the like comprising, in combination, work-forwarding means having positioning devices for a plurality of units of box parts; fastener-setting mechanism operable to drive fasteners into moving box parts; and means to control the location of fasteners at predetermined points in the work comprising a pattern of controlling members for a single unit of work, and means to trip said pattern a plurality of times to control the location of fasteners in a succession of units of work; said machine being adapted to operate without interruption on a plurality of box assemblies.

1,738,807. DIRECTION INDICATOR AND RECORDER FOR SHIPS, ETC. GEORGE WALKER, Newton Center, Mass. Filed Jan. 25, 1923. Serial No. 614,839. 21 Claims. (Cl. 234-26.)

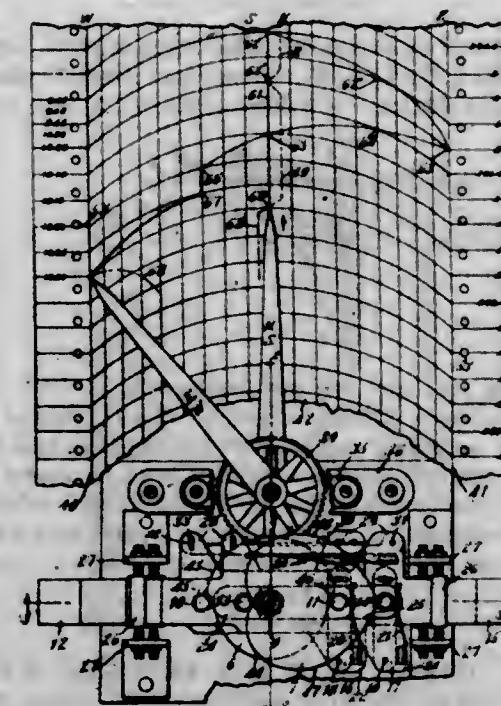
1. Apparatus for recording the orientation of an element comprising a recorder movable parallel to a record sheet to record changes in direction relatively to a pre-

terminated direction, another recorder movable parallel to a record sheet to record changes in direction relatively to



another predetermined direction, and means responsive to changes in the orientation of the element to produce the relative movement of said recorders.

1,738,808. DIRECTION RECORDER. GEORGE WALKER, Newton Center, Mass. Filed June 28, 1924. Serial No. 722,943. 18 Claims. (Cl. 234-26.)

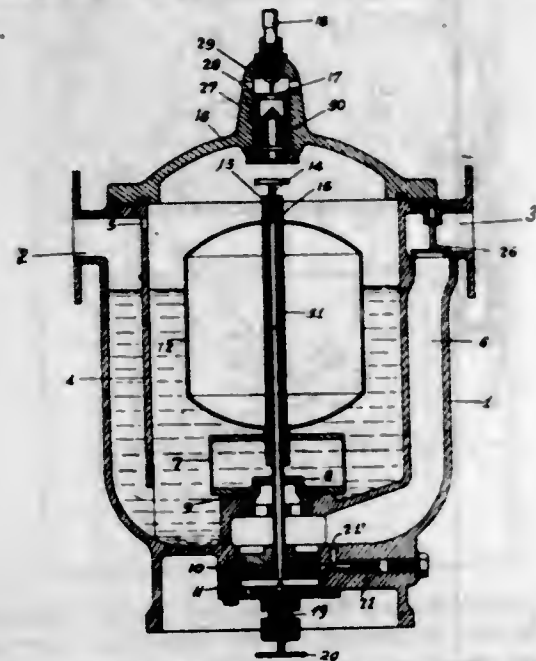


1. A direction recorder comprising a controller having full circular movement in either direction in response to changes in direction, two indicators oscillating parallel to the same recording surface each of which oscillates in response to circular movement of said controller in either direction and connections between the controller and the indicators to move one indicator in response to any movement of the controller and to move the other indicator only when the first indicator is near an end of its oscillatory range.

1,738,809. STEAM TRAP. PHILIPPE WALTER, Strasbourg, France. Filed Oct. 15, 1927. Serial No. 226,459, and in France Oct. 19, 1926. 10 Claims. (Cl. 137-103.)

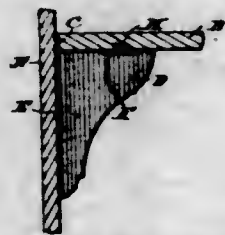
1. A steam trap comprising a vessel having in its upper part an inlet for the steam and an outlet for the water, a centrally disposed, vertical cylinder arranged in the lower part of the vessel and adapted to communicate at

the top with the vessel, a piston arranged in said cylinder, a discharge conduit connecting the upper part of the cylinder with the water outlet, a valve controlled by said piston and normally closing the communication between the vessel and the upper part of the cylinder, a duct con-



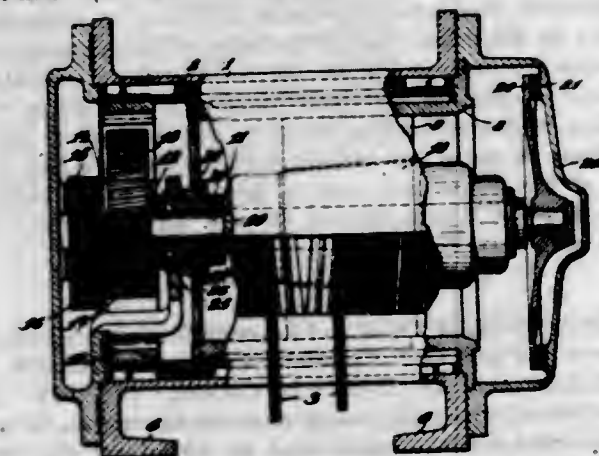
necting the vessel with the lower part of the cylinder so as to communicate the pressure of the vessel to the piston, a pilot valve, normally closing said duct, a float guided vertically inside the vessel above the cylinder, and means enabling the float, when raised by accumulated water of condensation, to open said pilot valve.

1,738,810. FOLDING FOOT AND LEG REST. JULIUS A. WHITE, New York, N. Y. Filed Mar. 2, 1927. Serial No. 172,043. 1 Claim. (Cl. 155-169.)



A folding foot and leg rest comprising a base board, a supporting board hinged thereto, a leaf hinged to the base board, engaging means between the leaf and the supporting board comprising a headed stud or screw carried by the leaf and a plate having a curved slot with an enlarged end carried by the supporting board into which the stud or screw can engage and lock the parts in open position.

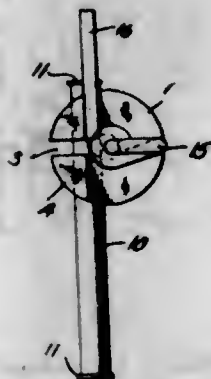
1,738,811. BRAKE GEAR FOR ELECTRIC WINCHES. PAUL WILSON, Duisburg, Germany. Filed Oct. 20, 1927. Serial No. 227,538, and in Germany Mar. 3, 1927. 5 Claims. (Cl. 188-110.)



1. An automatically operating brake gear for electrically driven winches consisting of a brake, a member which is

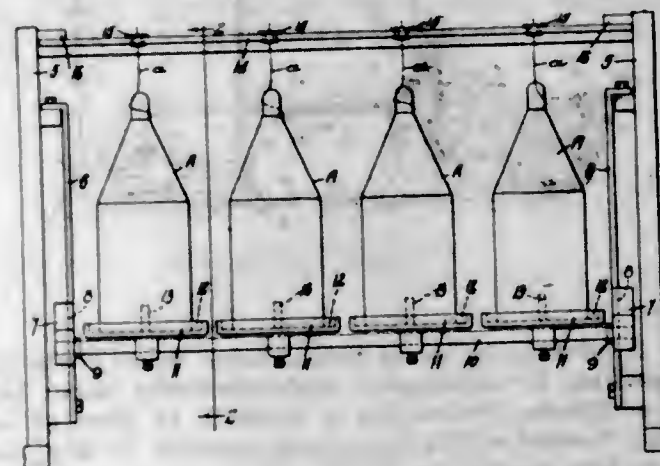
actuated by the pressure of the load through the load rope and adapted to serve for the application of the brake, an electric releasing device for the brake controlled by the motor current, and means adapted for connecting these parts together, substantially as hereinbefore described.

1,738,812. WIRE SPlicer. HIRAM ALLEN, Williamsburg, Kans. Filed May 29, 1928. Serial No. 281,490. 5 Claims. (Cl. 140-122.)



1. In a device of the class described, a head having a projection at one end and provided with a longitudinal passage, the head being provided with a longitudinal slot leading inwardly from the periphery of the head through the projection and to the passage, and an operating member slidable in the head, transversely thereof, to and from a position across the slot.

1,738,813. ADJUSTABLE BOBBIN SUPPORT. WILLIAM T. BARRATT, Bennington, Vt., assignor to Charles Cooper Company, Bennington, Vt., a Partnership of Elizabeth Cooper Kelley and Charles C. Kelly. Filed Sept. 24, 1928. Serial No. 307,911. 3 Claims. (Cl. 242-130.)

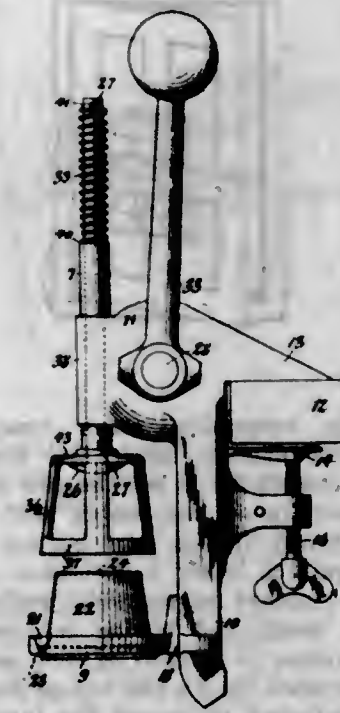


1. A support for bobbins having, in combination, a pair of guide members, a bobbin frame slidably mounted upon each of said guide members, means to clamp said frames to said members, rods mounted upon said frames and supports for bobbins upon said rods.

1,738,814. APPARATUS FOR EJECTING ICE CREAM AND THE LIKE FROM CONTAINERS. WILLIAM J. BAYNES, Buffalo, N. Y. Filed June 6, 1928. Serial No. 283,298. 13 Claims. (Cl. 214-1.1.)

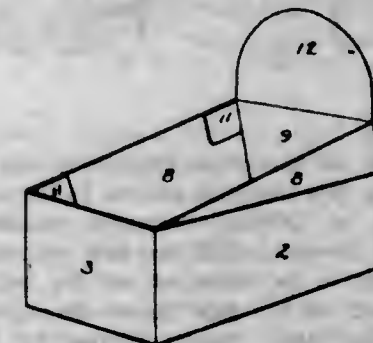
1. An apparatus of the character described, comprising a support adapted to be engaged by the upper side of a

flange of the top edge of a cup shaped container, a gripper adapted to engage the under side of said flange, and a



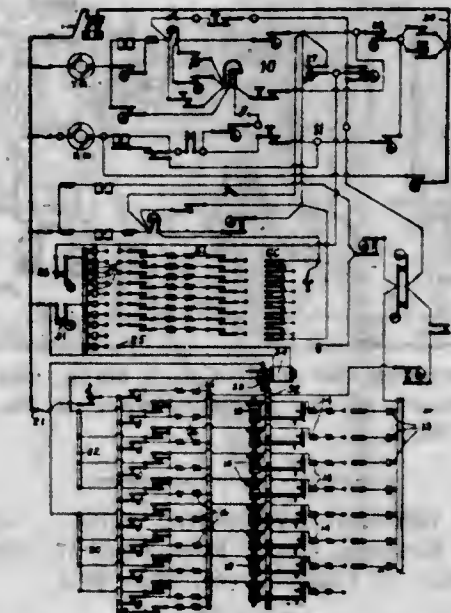
plunger adapted to engage the under side of the bottom of said container and push the same toward the top thereof for ejecting the contents of the container.

1,738,815. PAPER BOX OR THE LIKE. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed May 31, 1928. Serial No. 282,018. 2 Claims. (Cl. 206-44.)



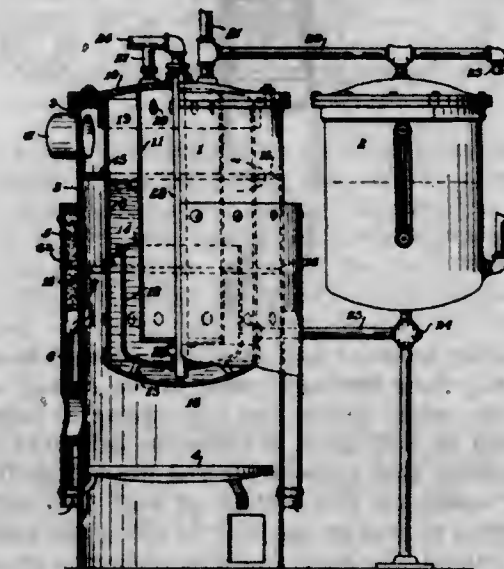
1. A paper box consisting of opposite sections arranged telescopically one of the other, each constructed of material finished on one side only, the outer section having the finished side of the material turned outward, the inner section having the finished side of the material turned inward, and the inner section having its joints formed outwardly, inverse to the formation of the joints of the outer section thereby presenting unbroken inner faces of said section, said sections being adapted as the box is arranged for displaying its contents for placing the inner section into the outer section for presenting the finished side of the material inside and outside the box with faces of both sections broken by joint's unexposed.

1,738,816. COUNTER CUT-OUT. LOUIS JEAN CLAIRIS, Paris, France, assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed June 21, 1926. Serial No. 117,368. 9 Claims. (Cl. 235-92.)



1. In an accounting machine, a bank of accumulator elements, a plurality of sets of sensing brushes for deriving data from record cards, and means controlled by a particular brush of one set for rendering inoperative a portion of said other set during the passage of a record card.

1,738,817. STEAM BOILER. CLARENCE F. CLEMENS and ALBERT H. KEMPER, Dayton, Ohio. Filed Oct. 28, 1927. Serial No. 229,452. 1 Claim. (Cl. 122-234.)

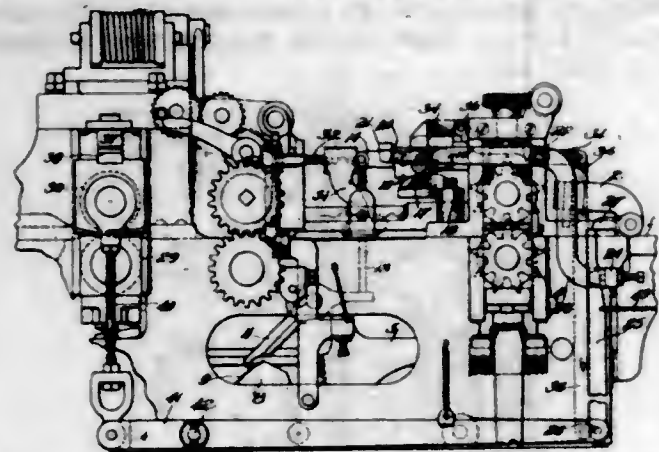


A boiler including in combination with a vertical combustion chamber, a jacket arranged around the combustion chamber and spaced therefrom, terminating at its lower end near the base of said chamber, open to the atmosphere at said lower end, and terminating near the normal water level of the boiler at its upper end, for effecting a shallow air space between the jacket and the combustion chamber, the upper portion of said space being closed and insulated, the combustion chamber casing having a series of circumferentially extended apertures therein below the insulation for admitting pre-heated air from said space into said chamber.

1,738,818. GRADING MACHINE. LEANDER A. COGSWELL, Manchester, N. H., assignor to Lacene Manufacturing Company, Manchester, N. H., a Corporation of Maine. Filed Jan. 24, 1928. Serial No. 249,090. 15 Claims. (Cl. 60-11.)

1. A grading machine comprising detecting mechanism for gauging successive blanks of stock according to thick-

ness, and grading mechanism responsive to the thickness detections by the detecting mechanism of an intermediate



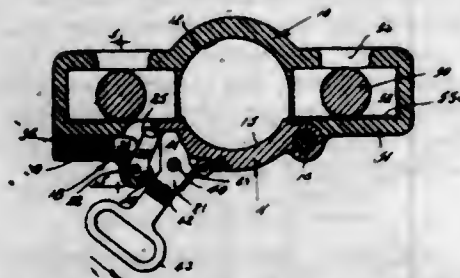
area only between the ends of each blank, and means to vary the length of the ungraded area of the following end of the blank.

1,738,819. OFFSET OVERSHOT TOOL. GUSTAVE J. CORMIER, Seminole, Okla. Filed Sept. 27, 1927. Serial No. 222,321. 5 Claims. (Cl. 294-86.)



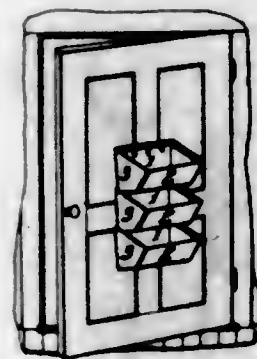
1. An offset overshot tool comprising a wall hook, a slip casing rising from the hook, slips in the casing, a hinged joint on the upper end of the slip casing, a tubular section, hinged to said joint, a piston in said tube operable by the drilling mud pressure, a rod depending from said piston, a wedge on the bottom of said rod, said wedge being adapted to engage the joint to swing the same to one side and extend the hook and slip casing at an angle to the tubing.

1,738,820. ELEVATOR. DENNIS L. DRISCOLL, Alhambra, Calif. Filed Mar. 28, 1925. Serial No. 19,026. 2 Claims. (Cl. 224-90.)



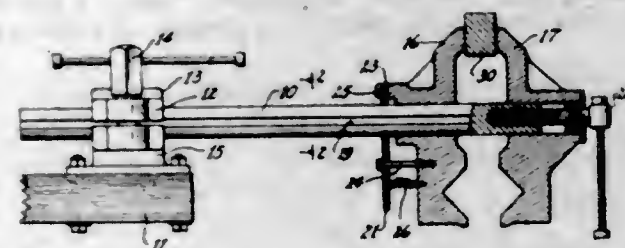
1. A support for an elevator including, a vertical rod having a transverse T head formed on its lower end, a projection on the elevator having an opening to pass the rod, a socket to hold the head and a passage to admit the head into the socket, and means for closing the passage.

1,738,821. CONTAINER. FRANCIS W. GIBSON, West Roxbury, Mass. Filed Mar. 2, 1928. Serial No. 258,474. 4 Claims. (Cl. 211-88.)



1. A multiple suspension stack comprising similar detachable interchangeable upper and lower unit members each unit comprising a bottom and a back wall, an outwardly hooked lip on the top of said back wall and an inwardly turned lip on the bottom of said back wall, a front wall of lesser height than said rear wall and having an inward slant, side walls uniting said back and front walls and having inclined upper edges whereby ready access to interior of each unit is provided, the outwardly hooked lip on the top of the back wall of the lower unit adapted to engage the inwardly upturned lip on the bottom of the back wall of the upper unit whereby the pressure resultant of the overhang of the front wall holds the bottom of each unit against the structure from which the stack is hung and tends to prevent disengagement of said lip.

1,738,822. CLAMPING DEVICE. EUGENE A. ODIN, Chicago, Ill. Filed Jan. 31, 1927. Serial No. 164,690. 5 Claims. (Cl. 81-17.)

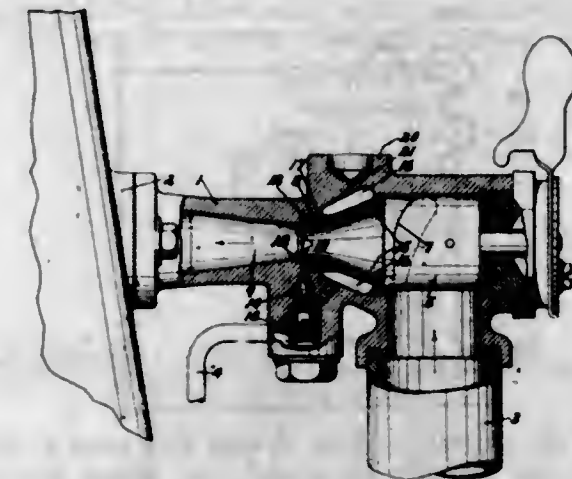


1. In a device of the class described, the combination with a bar, of a jaw adapted per se to move freely relatively thereto, a tilting cramping member carried by the jaw and through which the bar extends and adapted automatically to be cramped on the bar to prevent relative movement of the jaw in one direction while permitting it in the other, means carried by the jaw and co-operating with the cramping member to limit its tilting movement when the jaw is moved in the permissible direction, a second jaw having a limited movement on the bar toward and from the first jaw, and means for giving said second jaw said limited movement and holding it where it is moved.

1,738,823. CHARGE-FORMING DEVICE. OTTO W. GREENE, Elyria, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 31, 1921, Serial No. 441,194. Renewed Oct. 8, 1928. 9 Claims. (Cl. 261-40.)

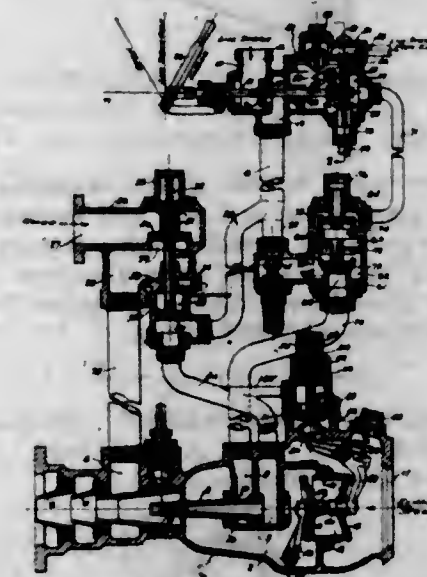
1. In a mixing device, a Venturi tube, a chamber in close proximity to a restricted portion of said venturi, means for supplying a liquid to said chamber, means for supplying air to said chamber evenly all around said

chamber for mixing with the liquid therein, and means for admitting the air and liquid from said chamber into



said venturi, said last mentioned means including a plurality of channels spaced about said tube and in connection with the chamber.

1,738,824. EXHAUST-STEAM INJECTOR. JOSEPH F. GAFFIN, Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Filed Mar. 3, 1927. Serial No. 172,394. 14 Claims. (Cl. 103-265.)

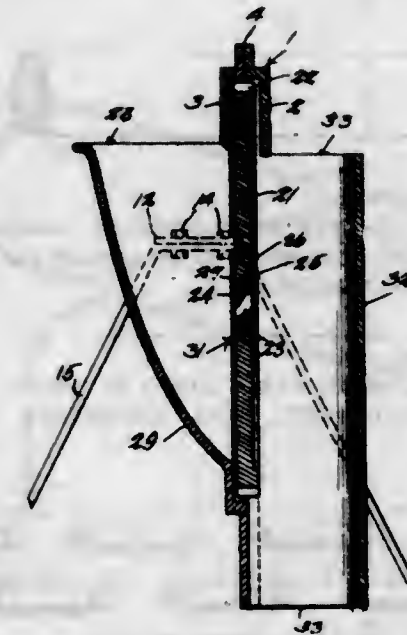


1. An exhaust steam injector control system of the type wherein there are provided means for admitting supplementary live steam, auxiliary live steam, water and exhaust steam to said injector, an automatic valve connected with a main steam line of an engine controls the admission of auxiliary live steam and exhaust steam in alternation to the injector, an intercepting valve is provided in the connection leading from said automatic valve to said main steam line, and a main control valve in communication with a source of live steam governs the admission of steam to said injector and to said automatic valve, characterized by the provision of a relief valve for venting said connection to the atmosphere when said main control valve is closed, and means having a lost motion connection with said main control valve for closing said relief valve and opening said intercepting valve after the main control valve is partially opened.

1,738,825. ICE SHAYER. KENNETH R. HARMON, Norfolk, Va., assignor of one-half to Barbee Hayes Co., Norfolk, Va., a Corporation of Virginia. Filed June 28, 1928. Serial No. 288,887. 6 Claims. (Cl. 83-62.)

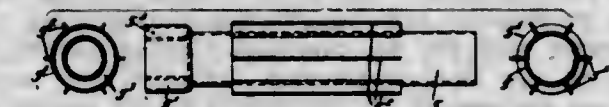
2. A machine for comminuting ice comprising a casing, a rotary member journaled in the casing and hav-

ing a peripheral gear, a pinion inside the casing and disposed at a higher elevation than the center of rotation of said member, the pinion meshing with the gear,



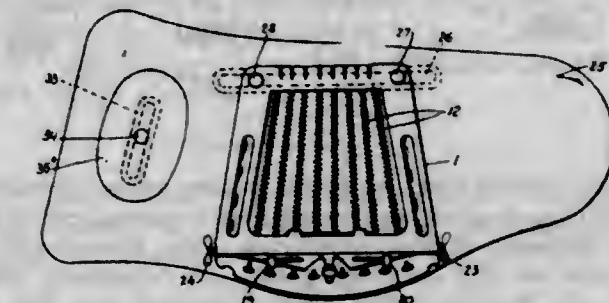
a prime mover supported on the casing and connected to the pinion, and ice-comminuting means on the rotary member.

1,738,826. ROTARY DRIER. WILLIAM A. HARTY, Buffalo, N. Y., and FRANK W. MOORE, Thorold, Ontario, Canada, assignors to Harmer & Co. Inc., Buffalo, N. Y., a Corporation of New York. Filed Jan. 18, 1927. Serial No. 161,839. 4 Claims. (Cl. 34-6.)



1. In a drier, comprising an outer shell, consisting of a main section and a detachable end section, a mandrel carried by said main section, and an end mandrel removably mounted in the end section, mandrel supporting means in the end shell section adjacent the ends thereof, means for coupling the outer shell sections in alignment, said main and end mandrel sections having telescopic interengagement.

1,738,827. ARCH SUPPORT. HUMBERT THURSTON SCOTT HUNTINGTON, Providence, R. I. Filed Mar. 28, 1928. Serial No. 265,365, and in Canada Apr. 2, 1927. 3 Claims. (Cl. 38-71.)



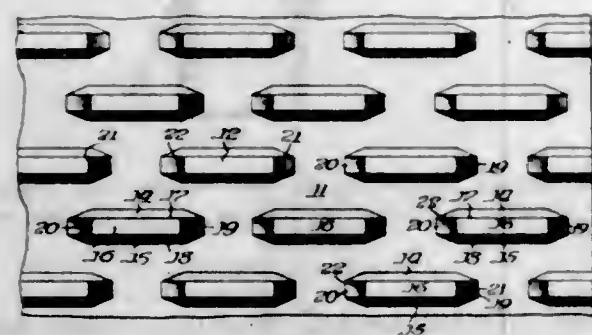
2. In an arch support of the type described, the combination with a slightly convex open frame, having an upturned portion, of an elevating member mounted to slide up and down on said upturned portion relative thereto, means for varying the position of said member, coiled springs connecting said elevating member with the opposite side of said frame, and connecting hooks between the ends of said springs and said elevating member adapted to engage apertures in said member.

1,738,828. LOW-RESISTANCE PERMANENT WIRE. ARTHUR HEWS JACKSON, Huntington Park, Calif. Filed Mar. 2, 1925. Serial No. 12,728. 8 Claims. (Cl. 173-13.)



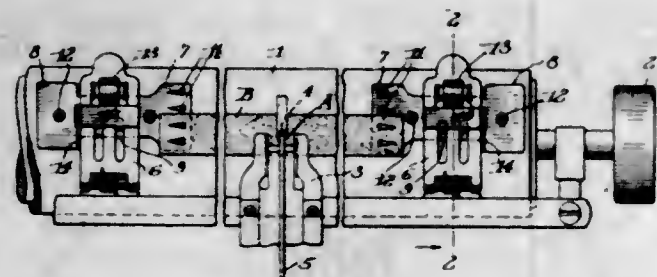
1. A wire of the character described consisting of a round copper core, a layer of silver around the core and a layer of gold over the silver.

1,738,829. FLOOR PLATE. JAMES E. JONES, Chicago, Ill. Filed Oct. 6, 1927. Serial No. 224,444. 1 Claim. (Cl. 94-3.)



A floor plate comprising a rolled metal section having a flat under surface and an upper tread surface having a plurality of rows of elongated rectangular flat topped projections thereon, the said projections being in staggered relation in adjacent rows and having sloping sides making angles with the flat tops and forming non-slipping edges at the line of juncture between said sloping sides and the tops of the projections having sloping end portions, the said end portions forming a non-slipping edge with the top portion and the juncture of the said end portion with the side portions.

1,738,830. DEVICE FOR TESTING TYPEWRITER RIBBONS. CARL J. KANNEWISHER, Rochester, N. Y. Filed Feb. 4, 1928. Serial No. 251,806. 5 Claims. (Cl. 197-151.)

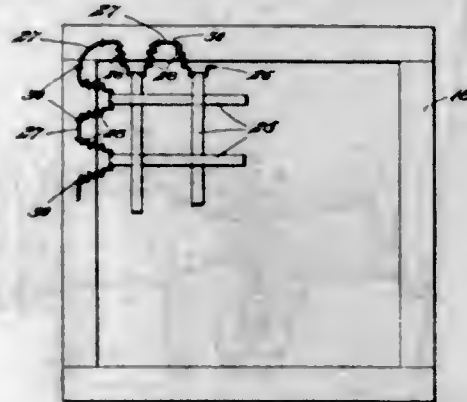


1. The combination with the platen of a typewriter having types cooperating therewith at a printing point and paper pressure fingers associated with the platen at each side of the printing point, of detachable sheet metal clips having spring tongues clipped over the fingers and provided with impaling points upon which an inking ribbon may be fixedly secured to stretch between the platen and the types across the printing point.

1,738,831. SEAT SUPPORT. OTHO V. KEAN, Providence, R. I. Filed Apr. 25, 1927. Serial No. 186,279. 4 Claims. (Cl. 155-179.)

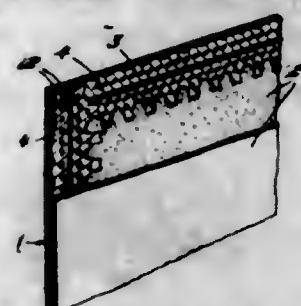
1. A seat support comprising a woven wire mesh formed of flattened wires each provided with a relatively wide-

supporting surface in proportion to its thickness, a continuous border wire having spaced loops therein surrounding the woven wire mesh and having secured thereto the



ends of the separate strands of said wire mesh at points between said spaced loops whereby the spaced loops may be secured to a support in such a manner as to permit flexing of the wire mesh.

1,738,832. PLASTER-BOARD CONSTRUCTION. OTHO V. KEAN, Providence, R. I. Filed July 26, 1927. Serial No. 208,444. 9 Claims. (Cl. 72-124.)



1. A plaster board section of the character described formed from plaster like material and having embedded therein a thin perforate metallic border member which extends inwardly from the edge of said section throughout the perimeter thereof and provides a support for the edge portions of said plaster board section.

1,738,833. SAFETY LINE TERRET. THOMAS L. KELLEY, Salem, S. Dak. Filed Aug. 2, 1928. Serial No. 296,991. 1 Claim. (Cl. 54-63.)

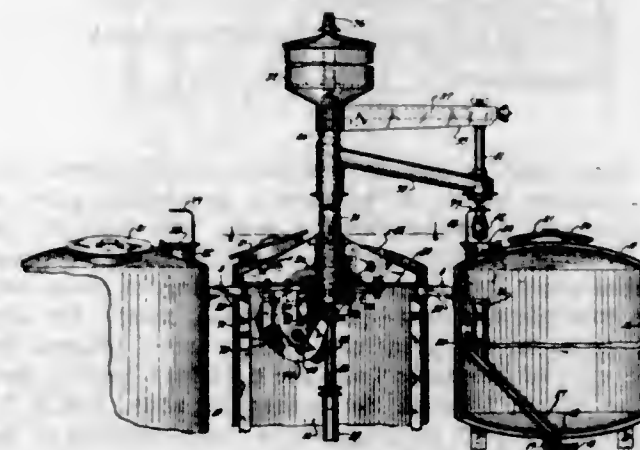


A terret of the character described, comprising a relatively broad ring body, means extending from the peripheral face of the ring for mounting the same in upright position, a pair of spaced upright posts secured within said ring and arranged in upwardly diverging relation, and means for introducing a rein to position between said posts, consisting of a split made through the ring body at an oblique angle with respect to the axial line thereof, the upper end of each post being positioned a substantial distance to one side of the split.

1,738,834. PASTEURIZING APPARATUS. FRANK W. KELLY and ALEX H. LUDWICK, Milwaukee, Wis., assignors to Gridley Dairy Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 21, 1927. Serial No. 177,166. 4 Claims. (Cl. 137-21.)

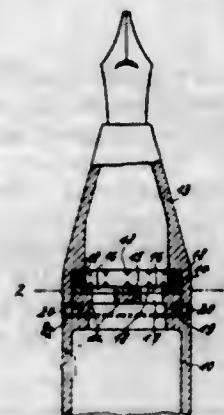
1. In a pasteurizing apparatus, an elongated tubular central member, means for intermittently turning said central

member, means for moving said central member vertically between intermittent turning movements, a supply chamber mounted at the upper end portion of said central member, a discharge pipe extending through said central member, a plurality of stationary holding chambers grouped about said central member, a tubular valve controlled



chamber filling arm carried by said central member and connected with said supply chamber, and a tubular valve controlled chamber emptying arm also carried by said central member and in connection with said discharge pipe and disposed at an angle with respect to the filling arm, said arms when in a lowered position making an interior operative connection with a pair of adjacent chambers.

1,738,835. FOUNTAIN PEN. HANS LESSING, Berlin-Charlottenburg, Germany. Filed Sept. 20, 1920, Serial No. 136,517, and in Germany Sept. 25, 1925. 1 Claim. (Cl. 120-48.)

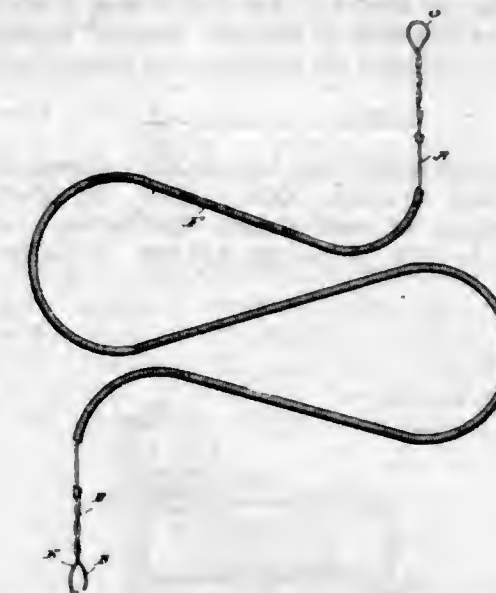


In a fountain pen, a main barrel, a front barrel capable of rotation in relation to the said first barrel, a closure disc at the end of the said first barrel, a closure plate seated within the said second barrel and resting over the said closure disc, a rubber ring washer mounted within the said second barrel pressing the said closure plate on to the said closure disc, projections on the interior of the said second barrel and projections on the edge of the said closure plate, the said projections serving to firmly engage the said washer, a plurality of holes in the said closure disc, and corresponding holes in the said closure plate.

1,738,836. PIPE CLEANER. MICHAEL CHARLES LO BOVES, Ridgefield Park, N. J., assignor to United Piano String Company, New York, N. Y., a Corporation of New York. Filed Nov. 28, 1928. Serial No. 322,570. 1 Claim. (Cl. 137-70.)

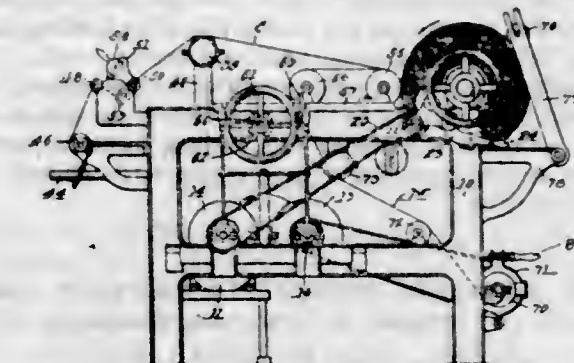
A pipe cleaner comprising a main wire having one end bent to form a prong or hook, and the other end bent to form a handle, a short wire coiled on the main wire near

the prong thereof and having a free end bent to form an opposing prong or hook, and a supplemental wire coiled



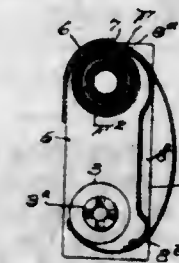
tightly around the main wire so that the main and supplemental wires are tied or locked together for the purposes stated.

1,738,837. MANTLE STEAMING AND AIR-COOLING MACHINE. EDWIN H. MARBLE, Worcester, Mass., assignor to Curtis & Marble Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1927. Serial No. 174,573. 4 Claims. (Cl. 26-50.)



1. In a mantle steaming machine, the combination with a steaming cylinder and means for forcing steam through the cylindrical wall thereof to steam the cloth wound thereon, of a frame arranged to move freely toward the cylinder, two rolls on said frame, means for guiding a mantle from a stationary point around the roll more remote from the steaming cylinder and over the other roll into contact with the cloth on the steaming cylinder, said guiding means being so located as to subject the frame and rolls to pressure directly toward the steaming cylinder, only after a few turns have been wound thereon, and means for applying an adjustable tension to the mantle, whereby the mantle and cloth will be forced against the cloth on the steaming cylinder under adjustable pressure as they are wound thereon.

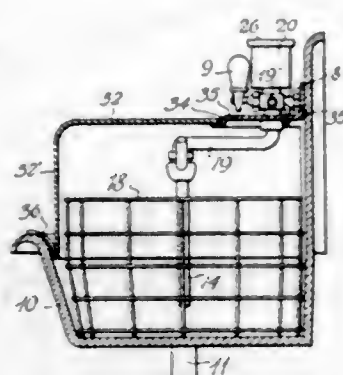
1,738,838. CAMERA. HAROLD C. MATTHEWS, Los Angeles, Calif. Filed May 31, 1927. Serial No. 195,515. 3 Claims. (Cl. 242-71.)



2. A motion picture film package for use in "still" cameras, including a section of film in a roll, a shell in one end

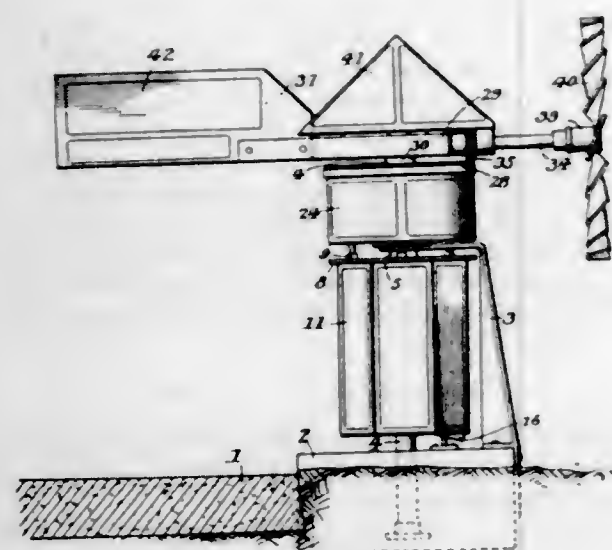
of which the roll is loosely enclosed and having a platen over which the film passes from its roll, and encasing means sealing the shell and film and having a window at the platen for exposure of the film "frames" successively, and a roller in the shell for receiving the exposed film from the platen.

1,738,839. DISHWASHING MACHINE. FRANK MCCLINTOCK, Grand Junction, Colo.; Merle M. McClintock administratrix of said Frank McClintock, deceased. Filed Aug. 9, 1926. Serial No. 128,277. 2 Claims. (Cl. 141-9.)



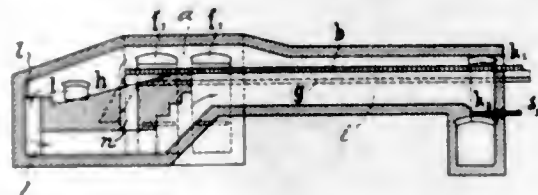
1. The combination with a sink provided with a back wall, a water-supply conduit and a valve in the conduit, of a spray device secured to the conduit, a dish holding rack extending below said device, and a cover to confine the sprayed water within the sink, comprising a horizontal section permanently secured to the back wall of the sink below the valve and through which the conduit extends, and a removable section provided with a recess to fit closely the horizontal section.

1,738,840. ROTATING SIGN-DISPLAY DEVICE. JOHN L. MORRIS and BERNARD E. MITCHELL, Woodsdale, N. C. Filed Apr. 19, 1928. Serial No. 271,247. 5 Claims. (Cl. 40-39.)



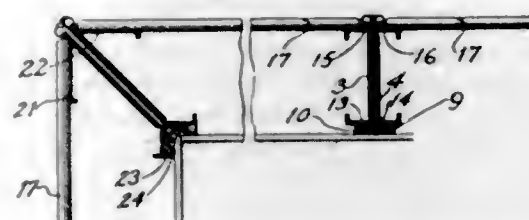
1. A sign display device comprising a shaft, a cylinder journaled for rotation thereon, means mounted on said shaft and engaging one end of the cylinder for rotating said cylinder, means for rotating the cylinder by stages, and means engaging the other end of said cylinder for holding the latter at rest during the intervals between the stages of rotation.

1,738,841. INGOT-HEATING FURNACE. KARL NEUHAUS, Gleiwitz, Germany, assignor to Adolf Krah, Gleiwitz, Germany. Filed May 9, 1928. Serial No. 276,312, and in Germany May 20, 1927. 1 Claim. (Cl. 263-10.)



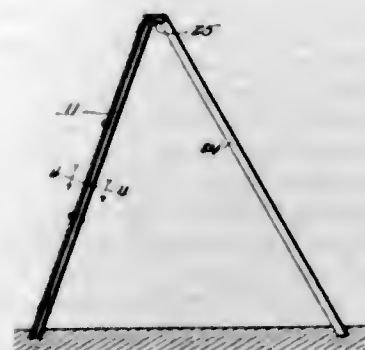
An ingot heating furnace comprising an elongated furnace structure having at one end a preheating zone, at the other end a heat-equalizing zone, and between the two a principal heating zone, a hearth extending through the three zones, means for guiding the ingots along said hearth towards the heat-equalizing zone, means for supplying heat to the principal heating zone, means for leading part of the gases from the principal heating zone over the hearth through the preheating zone, means for leading another part of the gases to the under-side of the hearth, partly direct through the latter and partly at the end of the heat equalizing zone, and means for discharging the gases at the end of the preheating zone.

1,738,842. WALL STRUCTURE. LOYD W. RAY, Wichita, Kans., assignor to The White Castle System, Inc., a Corporation of Kansas. Filed June 4, 1928. Serial No. 282,833. 5 Claims. (Cl. 189-1.)



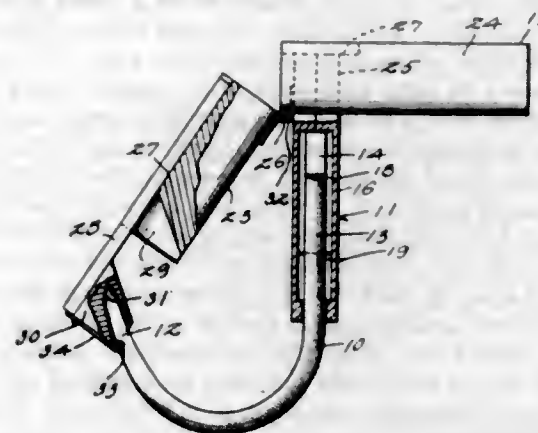
1. A building structure comprising a frame work made up of structural steel members having abutting webs with aligning grooves to form through openings, wall facing members lying against the steel members, arranged edge to edge beads interlocking adjacent edges of the facing members, bead carrying bolts projecting through the through openings and means for securing the bolts to the steel members, said means comprising devices adjustable with respect to the bolts to draw the beads into intimate contact with the facing members to bind them against the steel members.

1,738,843. SNOW SCREEN. LOUIS C. REIS, Duluth, Minn. Filed Apr. 18, 1927. Serial No. 184,626. 5 Claims. (Cl. 253-34.)



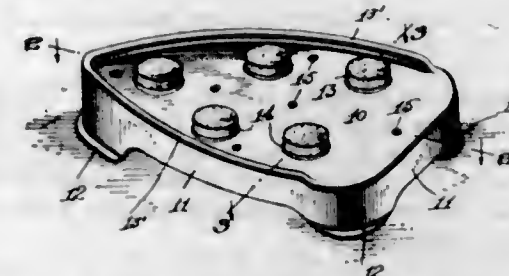
1. Fence construction, comprising metal posts, wires connecting said posts and metal pickets, the metal pickets being connected to the wires intermediate the posts, legs hingedly connected to the posts, the posts and pickets being so connected to the wire as to permit the entire structure to be rolled for shipment.

1,738,844. BOX HOOK. JOHN F. ROBERTS, Portland, Oreg. Filed July 28, 1928. Serial No. 295,943. 5 Claims. (Cl. 294-26.)



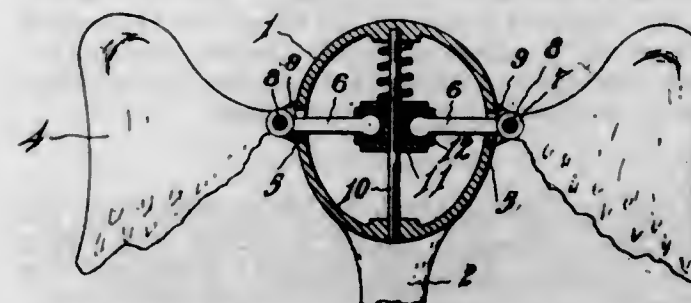
1. In a box hook or the like, a handle including a hand grip and a housing, a hook having a shank slidable in the housing and in one position thereof rotatable from a position where the bill of the hook aligns with the handle to a position where the bill of the hook is disposed at right angles to the handle, means for holding the shank in either of said positions, and means upon the handle extendible to engage the bill of the hook when the hook is in the first named position, said housing and the shank of the hook having coaction with one another preventing rotation of the hook from the first named to the last named position until the hook is extended from the housing.

1,738,845. SADIRON STAND. MICHAEL A. ROLLMAN, Mount Joy, Pa. Filed May 8, 1928. Serial No. 276,140. 3 Claims. (Cl. 68-27.)



1. A sad-iron stand consisting of a single sheet of thin metal of substantially the shape of the bottom of the iron but larger in area than the same, formed with a depending apron or flange extending entirely around the edge of the sheet and provided at its forward end as well as at its two rear corners with lateral extensions forming feet, said sheet being also formed around its sides and forward edge with an upstanding bead, each face of said sheet being provided with insulating material to prevent contact of the bottom of the iron with the sheet, thereby providing a device which in one position will serve as an insulating stand and in the reverse position will provide an insulating tray.

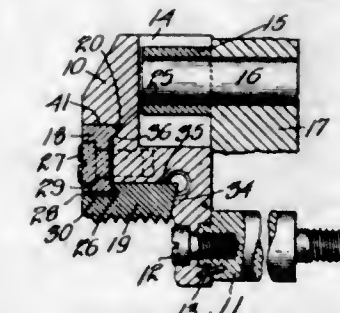
1,738,846. RADIATOR ORNAMENT. AURELIO SANCIONI, Detroit, Mich. Filed Mar. 10, 1928. Serial No. 260,723. 1 Claim. (Cl. 46-40.)



An ornament including a hollow body, laterally extending wing-shaped members pivotally attached to the body

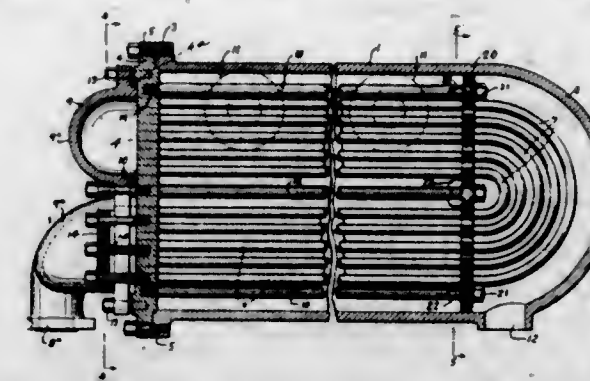
and having rigid arms extending into the body, a vertical guide rod fixed centrally within the body, a thimble slidable upon said rod, a ring member free to turn upon said thimble and movable therewith longitudinally of said rod, said ring member being formed to loosely receive the inner ends of said arms, and a spring sleeved upon said rod above said thimble to yieldingly resist longitudinal movement of said thimble in one direction on said rod.

1,738,847. CHASER AND CHASER HOLDER FOR DIE HEADS. HARRY T. SHEARER, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a Corporation. Original application filed Sept. 30, 1925, Serial No. 59,563. Divided and this application filed Feb. 17, 1928. Serial No. 255,148. 10 Claims. (Cl. 10-104.)



1. In a die head, a chaser holder having recesses therein, a tangential chaser seated in one of the recesses, a clamp mounted on the holder having a rib for engaging the said chaser, and another rib engaging a groove formed as a part of the other of the recesses on the holder, a clearance being provided between the last named rib on the clamp and the bottom of the groove on the holder, substantially as set forth.

1,738,848. FEED-WATER HEATER. ADOLPH STARR, Calumet City, Ill., assignor to The Superheater Company, New York, N. Y. Filed Feb. 3, 1928. Serial No. 251,579. 4 Claims. (Cl. 257-239.)

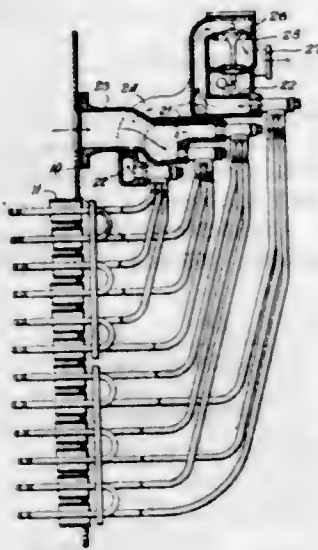


1. An apparatus of the class described, a casing open at one end, a tube-sheet closing the open end, a plurality of tubes secured to the tube sheet and extending into the casing, a support within the casing at the closed end for the tubes, said support resting on the bottom of the casing and having perforations through which the tubes extend, and spacing bars normally keeping the support in position, the support perforations being large enough so the support can be slipped along the tubes to the tube sheet when the connections between the support and spacing bars are released.

1,738,849. SUPERHEATER. ERNST RICHARD STEIN and KARL VOLLAND, Kassel, Germany, assignors to The Superheater Company, New York, N. Y. Filed Jan. 18, 1928, Serial No. 246,594, and in Germany Aug. 20, 1927. 10 Claims. (Cl. 122-462.)

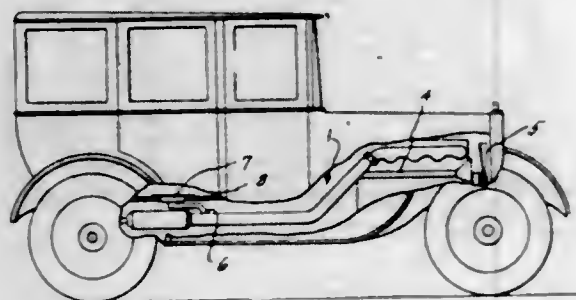
1. A flue superheater with headers in stepped relation characterized by the fact that the superheater elements

associated with each row of flues are connected to form independent groups one in front of the other and are so arranged that the pipe lengths of the elements of one row leading from and to the headers and their connections to the headers all lie in a single plane.



6. A flue superheater with headers in stepped relation, one of which headers is of angular formation, characterized by the fact that the superheater elements associated with each row of flues are connected to form independent groups one in front of the other and are so arranged that the pipe lengths of the elements of one row leading from and to the headers and their connections to the headers all lie in a single plane, said flue superheater being further characterized by the fact that one of said headers is located within the angle formed by the step of the other.

1,738,850. HEATER FOR AUTOMOBILES. JAMES J. SUNDAY, Detroit, Mich., assignor, by mesne assignments, to Kelch Ventilating Heater Company, a Corporation of Michigan. Filed Sept. 11, 1925. Serial No. 55,847. 4 Claims. (Cl. 257-241.)



1. A heating apparatus for an automobile body comprising a tube having its opposite ends attachable to an automobile engine exhaust manifold and exhaust muffler respectively and provided throughout substantially its entire length with a cross sectional area that is slightly larger than the cross sectional area of an ordinary exhaust conduit whereby the exhaust gases from an automobile engine may flow into and through the tube and be utilized therein as a heating medium, said tube being imperforate except for four openings, two of said openings being at one end of said tube and constituting inlets for air and exhaust gases respectively, and the other two openings being at the other end of said tube and constituting outlet openings for air and exhaust gases respectively, and means open at its opposite ends to the atmosphere for conveying air from the atmosphere into the tube aforesaid to be heated by the engine exhaust gases therein, and thence from the tube to the atmosphere within a vehicle body, said means includ-

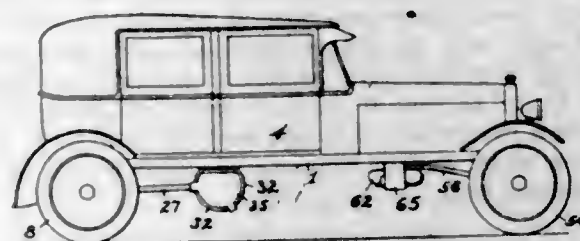
ing a tubular conduit having three sections arranged end to end, the intermediate section of said conduit being entirely within and extending longitudinally of said tube, and the two other sections constituting a fresh air inlet and a hot air outlet respectively for said intermediate section and extending through the air inlet and outlet openings aforesaid in said tube, the inlet section being open at its forward end to receive air from the atmosphere and having the portion thereof within the tube extending at a substantially obtuse angle with respect to the longitudinal median line of said tube so that the exhaust gases flowing through the tube from the engine will be deflected but not materially retarded around the intermediate section within said tube to heat the air received therein from the air inlet section, and the outer section being adapted to receive the heated air from the intermediate section and being open at its outer end whereby said heated air may be discharged therefrom through a vehicle body register to the atmosphere.

1,738,851. JACK SINKER OF SPECIAL SHAPE FOR KNITTING FRAMES. FRITZ TAUSCHER, Oberlungwitz, Germany. Filed Dec. 5, 1927. Serial No. 237,705, and in Germany Jan. 8, 1927. 1 Claim. (Cl. 66-110.)



Jack sinker for knitting frames in which the boundary line of the upper sinker-nose from the throat down to the front nose-point is so formed that the lower portion of said boundary line is inclined at a lesser angle to the lower edge of the sinker than the upper portion along the corresponding section.

1,738,852. SUSPENSION FOR VEHICLES. CHARLES M. SWINGLE, Cleveland, Ohio, assignor to Eva-Mae Swingle and Mildred E. Swingle. Filed Apr. 5, 1927. Serial No. 181,106. 13 Claims. (Cl. 267-35.)

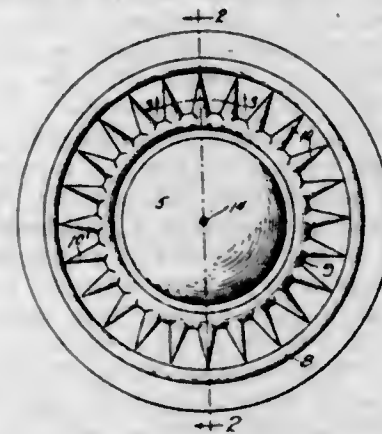


1. In a suspension for vehicles, the combination of a frame, wheels, inflated members, the inflated members being supported by the wheels, plates, graspers formed integrally with the upper and lower and the forward and rear edges of the plates, the upper and lower graspers engaging the inflated members, and the forward and rear graspers being in spaced relation to the inflated members.

1,738,853. DIAPHRAGM FOR TRANSMITTERS AND RECEIVERS. ARTHUR S. THAYER, Lakewood, Ohio. Filed June 29, 1927. Serial No. 202,276. 5 Claims. (Cl. 181-32.)

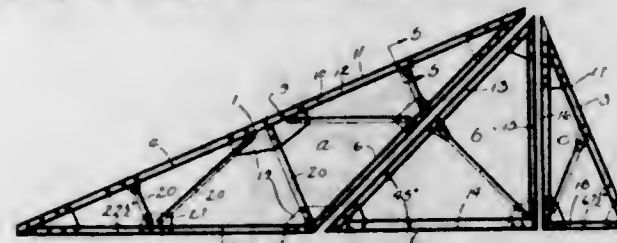
1. A diaphragm for transmitting sound waves consisting of a thin sheet of strong resilient material having a pair

of concentric annular corrugations about the center thereof, the central portion of said diaphragm being bulged



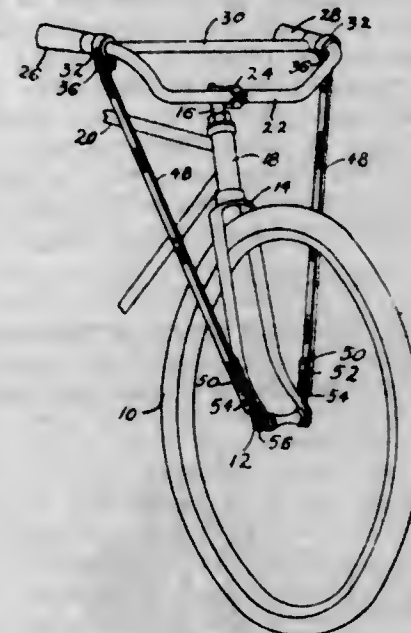
outwardly in the shape of a paraboloidal segment and a series of radially disposed corrugations arranged between said first mentioned corrugations and spaced apart.

1,738,854. FABRICATED STRUCTURAL PART. URBAN C. THIES, Dayton, Ohio. Filed Feb. 1, 1926. Serial No. 85,213. 6 Claims. (Cl. 108-23.)



1. An article of manufacture comprising a series of three triangular trusses adapted to be attached together in a variety of ways, two of said trusses being right-angled triangles, one of said right-angled triangles having two 45° angles, and the other of said right-angled triangles having angles of 67½° and 22½°, each truss having a side of the same length as another truss of the series.

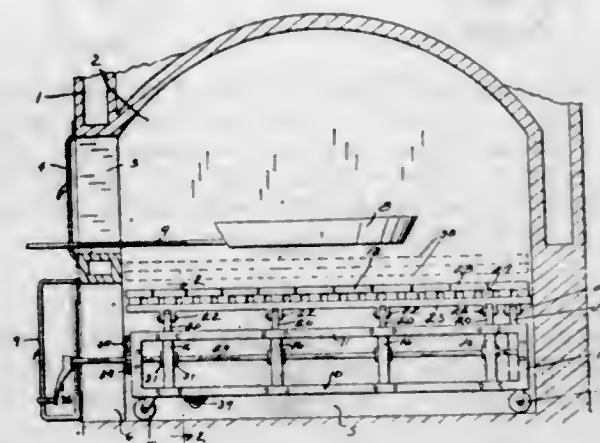
1,738,855. HANDLE-BAR BRACE. THOMAS THOMPSON, Des Moines, Iowa. Filed May 31, 1928. Serial No. 281,918. 4 Claims. (Cl. 208-96.)



1. A brace of the character described, comprising an attaching member having one end portion flattened and formed with an aperture for engaging a cycle axle, a brace rod having an adjustable engagement with the other end portion of said attaching member, a clip arranged to be mounted rigidly on a cycle handle bar, and a clamping bolt

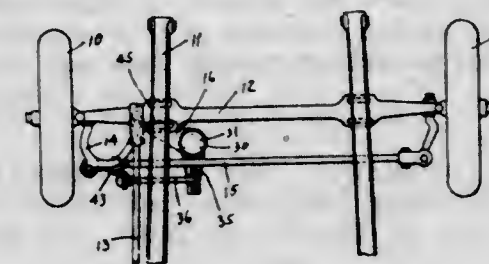
mounted through the ends of said clip, said brace rod having one end flattened and apertured whereby it may be received between the ends of said clip and engaged by said clamping bolt, the flattened ends of said attaching member and brace rod being arranged at angles to the common axis thereof, whereby the main portion of the brace may extend upwardly and outwardly on an oblique line to permit said clip to engage near the outer end portion of the handle bar.

1,738,856. REFRACTORY GRATE FOR FURNACES. ALBERT VASZI, Milwaukee, Wis. Filed Mar. 6, 1926. Serial No. 92,752. 5 Claims. (Cl. 158-4.)



5. In an oil-burning furnace, the combination with an oil burner, of a grate bed movable vertically relative to said burner, means for moving said bed vertically, and refractory material removably supported by said bed.

1,738,857. STEERING-GEAR STABILIZER. HENRY E. WEBER, Indianapolis, Ind., assignor, by mesne assignments, to William C. Sweezy, Indianapolis, Ind. Filed June 11, 1928. Serial No. 284,358. 1 Claim. (Cl. 280-89.)

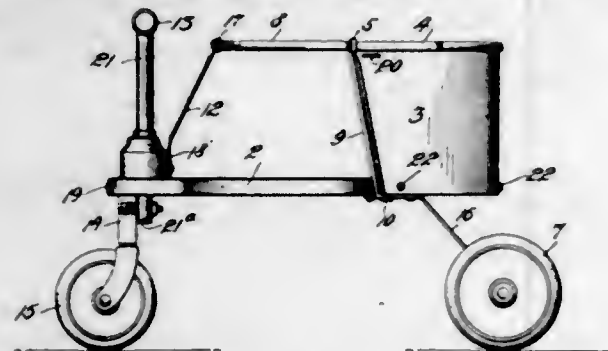


The combination with a vehicle having a front axle, steering wheels mounted thereon, and steering apparatus therefor, of a shimmy-resisting attachment including an impregnated wooden friction element having an annular conically-shaped friction surface, a corresponding conically-shaped friction element adapted to embrace said conical surface and frictionally engaging the same, a compression spring for yieldingly forcing said surfaces into frictional engagement with each other, means for securing one of said elements to the front axle, means for securing the other of said elements to the steering mechanism, and means for introducing lubricant between the frictional surfaces of said elements for forcing a film of lubricant therebetween against the tension of said spring.

1,738,858. CHILD'S VEHICLE. CLARENCE WATSON WHITE, North Bennington, Vt. Filed May 18, 1928. Serial No. 278,856. 3 Claims. (Cl. 155-22.)

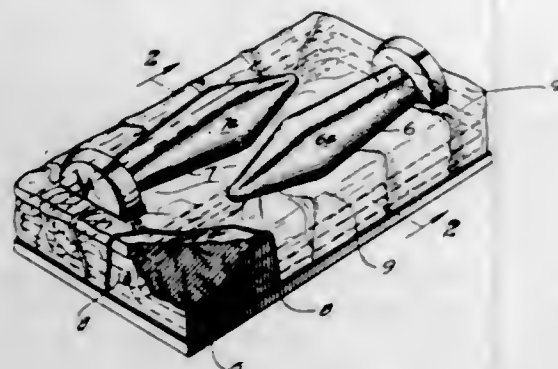
1. In a child's vehicle, the combination with a main seat board and wheel provided means thereunder at front and

back, said seat board having a broad seat proper at the rear and a narrower portion in front thereof adapted to be straddled by the child when he is propelling the vehicle with his feet, of an upright back member on the seat having forwardly extending sides formed with angular recesses,



and a confining rod located in front of the back member, and having a horizontal curved part above the narrower part of the seat board, and integral substantially vertical members whose lower ends are secured to the seat board, said confining rod engaging the said angular recesses to assist in maintaining its position.

1,738,859. MAGNETIC KEEPER CRADLE. GEORGE STARR WHITE, Los Angeles, Calif. Filed Nov. 12, 1928. Serial No. 318,907. 12 Claims. (Cl. 175-21.)



1. A magnetic keeper cradle comprising a bed having a cavity conforming to the shape of a magnetized article to be housed, and an encompassing shell of magnetic material secured to said bed ranging from pole to pole of said cavity.

1,738,860. HYDRAULIC ROTARY UNDERREAMER. WILSON B. WIGLE, Los Angeles, Calif. Filed June 11, 1927. Serial No. 198,117. 12 Claims. (Cl. 255-74.)

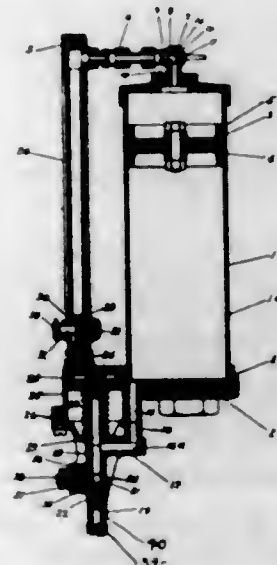


1. A rotary hydraulic well reaming tool comprising a cylindrical body member provided with a water course,

a reaming cutter mounted on said body member adapted to engage with the wall of the well, and a hydraulically operated shiftable bearing member secured to the body member for forcing the reamer cutter into cutting engagement with the well wall, said shiftable member having a fluid port adapted to register with the water course of the body member when said member is shifted.

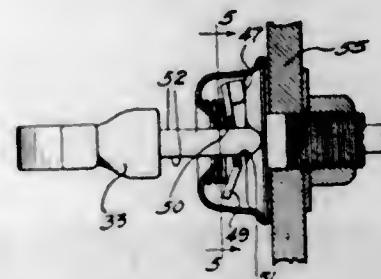
12. In a well reaming tool, a cylindrical body member having a water course therethrough, a reaming cutter secured to said body member for enlarging the bore of the well as the drilling progresses, a wall bearing shoe shiftable mounted on the lower end of said body member having a bore adapted to register with the water source of the body member when brought into operative position, said shoe having a recess on its inner face above the bore, whereby when fluid pressure is introduced through the water course of the body member the shoe will be shifted upwardly into operative position with the wall of the well, the fluid pressure maintaining the shoe in said operative position during the operation of the reaming tool.

1,738,861. LUBRICATING GUN. GEORGE B. WILSON and KARL C. EAGLEY, Erie, Pa., assignors to Service Manufacturing Company, Erie, Pa., a Corporation of Delaware. Filed June 7, 1928. Serial No. 283,594. 9 Claims. (Cl. 221-47.3.)



1. In a lubricating gun, the combination of a lubricant supplying means; a nozzle; an air-actuated charge forming and forcing device receiving its supply from said means and delivering the same to the nozzle; an air supply conduit leading to the device, said supply conduit being approximately in axial alignment with the nozzle and forming a handle for the gun; and a controlling valve in the aligned and handle forming conduit controlling said conduit and operative by an operator grasping the conduit.

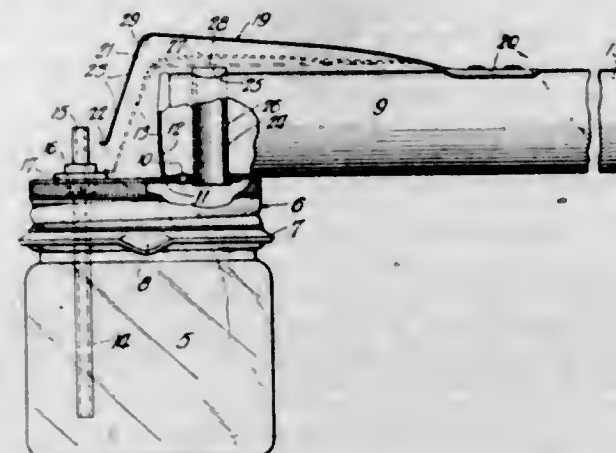
1,738,862. PULL HANDLE WITH AUTOMATIC LOCK. OZRO N. WISWELL, Los Angeles, Calif. Filed Apr. 17, 1928. Serial No. 270,730. 5 Claims. (Cl. 74-39.)



2. In a device of the class described, the combination of: a pull member having a bar portion; a locking member

having an opening through which said bar is freely slidable when said locking member is in normal position, said bar and said locking member cooperating for unitary rotation; a cam face; a spring urging said locking member towards said cam face and a follower portion formed on said locking member, said follower portion riding along said cam face when said pull member is rotated in a manner to cause said locking member to move into a tilted locking position against the tension of said spring, whereby said spring exerts its tension to cause a one-way gripping engagement between said locking member and said bar.

1,738,863. SPRAYER AND THE LIKE. HERBERT J. BRADON, Chicago, Ill., assignor to Wisco Manufacturing Co., Madison, Wis., a Corporation of Wisconsin. Filed Apr. 21, 1928. Serial No. 271,844. 2 Claims. (Cl. 299-89.)



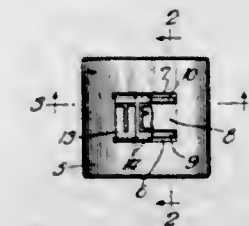
1. A sprayer for the purpose specified comprising in combination a receptacle having a cover, an air supply pipe having its end portion secured to the top of said cover and projecting outward therefrom, a closure for the end of said air supply pipe, an air opening in said closure for the discharge of an air blast, a liquid tube extending through and sealed to the cover and having its lower end reaching into the receptacle, the upper end of said liquid tube terminating substantially in line with the axis of the air opening aforesaid and subject to atomizing action of the air blast therefrom, an air pressure pipe extending vertically across the air supply pipe and having its lower end extending through the cover into communication with the interior of the receptacle, and its upper end extending through the top of the air supply pipe and terminating above the same, there being an orifice in said air pressure pipe facing against the current of air flowing through said pipe, and a spring valve for said parts comprising a length of spring strap overlying the front end portion of the air pipe and the upper end of the air pressure pipe and having its front portion turned downwardly on a sharp angle and terminating in a toe, the rear end of said spring strap being rigidly connected to the air supply pipe behind the position of the air pressure pipe, and there being an air opening in the downwardly turned front portion of said spring strap, the front end portion of said spring strap being normally sustained by spring action in raised position to maintain an imperforate portion of the down turned front in the path of air blast to thereby interfere with such blast the arrangement being such that when the spring valve is depressed to bring its toe portion into engagement with the top surface of the cover behind the liquid pipe the air opening through the front portion of said spring strap aligns with the path of air blast to thereby cause atomizing action, the upper portion of the spring strap being then disengaged from the upper end of the air pressure pipe to allow free exit of air from said upper end and without accumulation of pressure in the liquid receptacle, and being such that further movement of the spring strap downwardly closes said upper end of the air pressure pipe without displacement of the air opening from the path of blast to thereby cause accumulation of pressure within the receptacle, substantially as described.

1,738,864. ART OF PROTECTIVELY TREATING FRUIT AND THE LIKE. ERNEST M. BROGDEN, Winter Haven, Fla., assignor to Brogdex Company, Winter Haven, Fla., a Corporation of Florida. Filed Feb. 15, 1922. Serial No. 536,816. 16 Claims. (Cl. 99-8.)

1. A composition for treating fruit and the like comprising starchy material in intimate commixture with an oily vehicle, the aforesaid ingredients constituting the bulk of said composition.

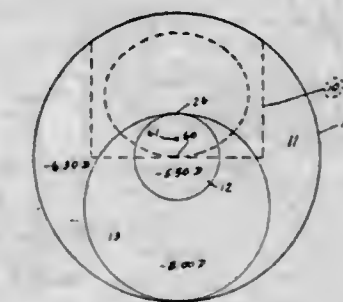
16. A composition for treating fruit and the like resulting from intimate commixture of one volume of a relatively volatile hydrocarbon liquid, approximately two volumes of powdered starch, approximately one-fourth volume of paraffin oil, and approximately one fourth volume of paraffin wax.

1,738,865. MEANS FOR FASTENING INITIALS TO NAME PLATES. HERBERT BUCHSBAUM, Chicago, Ill. Filed June 10, 1927. Serial No. 197,916. 5 Claims. (Cl. 40-140.)



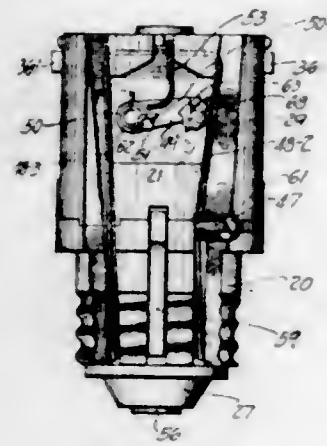
1. A device of the character described comprising a base plate, an elongated slot therein, said plate having a portion thereof along one side edge of said slot bent upwardly therefrom, a legend bearing member having a groove therein slidably engaging said bent up portion, to position said member on said plate, said bent up portion being bendable toward the base to lock said member in place.

1,738,866. PROCESS OF MAKING MULTIFOCAL LENSES. LUCIAN W. BUGEE, Jr., Indianapolis, Ind., assignor, by mesne assignments, to George C. Forrey, Jr., Indianapolis, Ind. Filed Mar. 17, 1927. Serial No. 175,974. 3 Claims. (Cl. 21-278.)



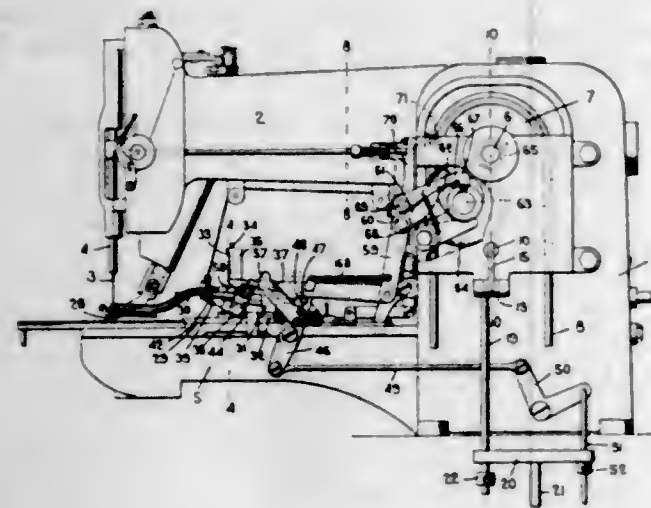
1. The process of making a multifocal lens, which process includes securing a lens blank on a lens blank holder, concentrically grinding said lens blank to form surfaces having the desired curvatures for the reading and intermediary portions of the ultimate lens, altering the axis of said lens blank holder by a predetermined amount, and grinding away a portion of the intermediary surface by rotation about the altered axis of the lens holder to form a surface whose curvature is suitable for distance vision.

1,738,867. AUTOMATIC FUSE PROTECTOR. JOSEPH C. CALL, Bancroft, Idaho. Filed May 1, 1926. Serial No. 106,057. 30 Claims. (Cl. 200—116.)



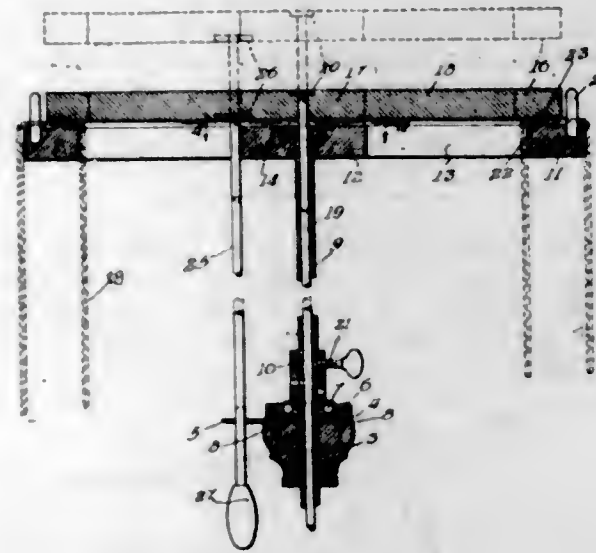
1. A self-contained fuse protector comprising in combination, a main switch, an auxiliary snap switch, a thermally actuated releasing mechanism for said main switch, all in circuit with each other; and a movable member having cams operative to re-set said switches in predetermined mutual relation to each other.

1,738,868. SEWING MACHINE. AXEL F. CARLSON, Cambridge, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed May 29, 1926. Serial No. 112,507. 21 Claims. (Cl. 112—76.)



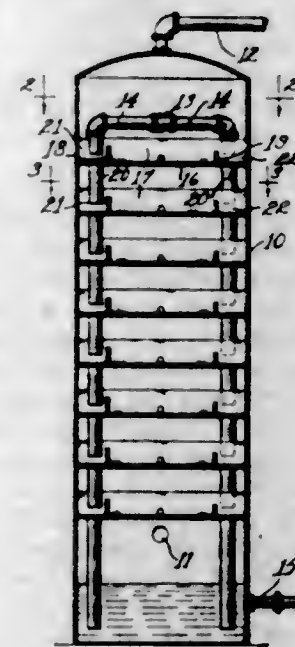
1. In a sewing machine, the combination with stitch-forming mechanism, of two work clamps for holding the work, a spring device for holding the clamps yieldingly against the work, a latch to hold the clamps raised when the machine is at rest, a swinging member operative during its initial movement to release the latch to allow the clamps to close and during its further movement to spread the clamps.

1,738,869. DISPLAY RACK. JAMES V. CIZER, Chicago, Ill. Filed Nov. 20, 1926. Serial No. 149,645. 10 Claims. (Cl. 211—163.)



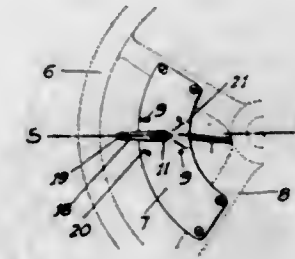
10. A device of the kind described comprising a support, cooperating circular clamping members carried by the support, the opposed faces of the clamping members being provided with a cooperating groove and bead for holding the articles therebetween, and means to actuate one member relative to the other.

1,738,870. APPARATUS FOR THE SEPARATION OF HYDROCARBONS. EDWIN R. COX, Venice, and HOWARD S. COLE, Jr., Los Angeles, Calif., assignors to California Petroleum Corporation, Los Angeles, Calif., a Corporation of California. Filed Dec. 1, 1927. Serial No. 236,997. 5 Claims. (Cl. 261—113.)



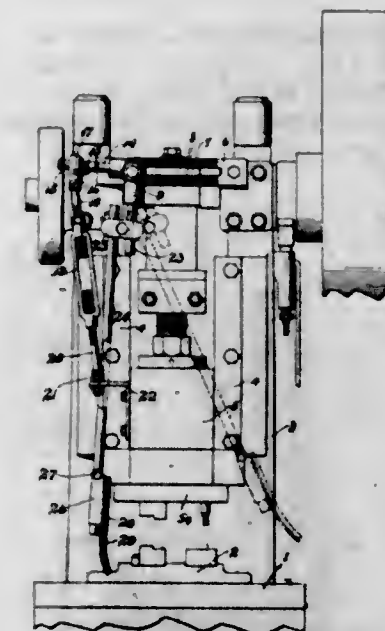
1. A tray of the character described comprising a bottom, a central division wall; two distributing dams, one each on opposite sides of said wall and spaced along the length thereof to form diagonally disposed intake reservoirs, two liquid level maintaining dams, one each on opposite sides of said wall forming diagonally disposed discharge reservoirs, there being absorption reservoirs formed intermediate said distributing and liquid level maintaining dams one on each side of said wall with perforate bottom sections.

1,738,871. DIRECTION SIGNAL FOR MOTOR VEHICLES. ARTHUR L. DAVIS, Modesto, Calif. Filed Oct. 2, 1926. Serial No. 139,068. 1 Claim. (Cl. 200—59.)



A switch for the purpose described comprising a plate to be mounted on the spokes of a steering wheel, a handle turnably mounted through the plate, a switch blade fixed to the handle, a switch-box independent of said plate, handle and switch blade and removably mounted on the plate, contact points within the box, the switch blade being capable of being brought into yielding contact with the contact points when the box is mounted on the plate.

1,738,872. SAFETY DEVICE FOR PUNCH PRESSES. EDWARD DES ENFANTS, Sr., Ludington, Mich., assignor to Handy Things Manufacturing Company, Ludington, Mich., a Corporation of Michigan. Filed Mar. 27, 1928. Serial No. 265,128. 4 Claims. (Cl. 74—105.)

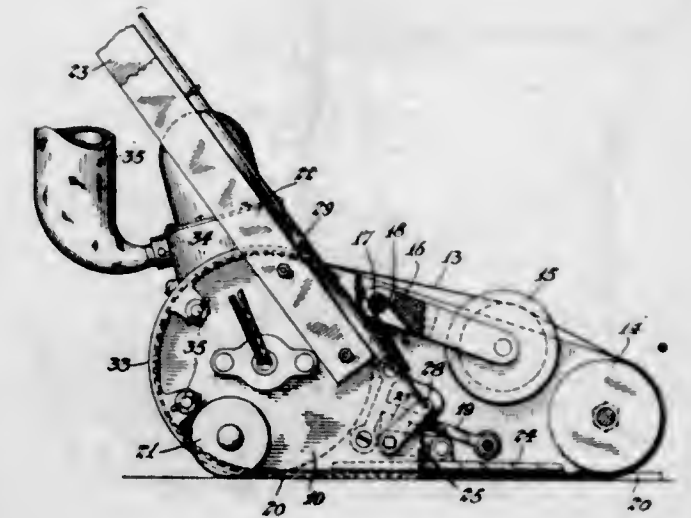


4. In a punch press having a vertically reciprocating ram and a support therefor, a rod pivotally mounted on said support adjacent the upper end thereof to swing back and forth in front of said ram, a sweep pivotally connected at its upper end to said rod a distance above the lower end thereof, means carried by said sweep to normally yieldingly engage with said rod but releasable therefrom to swing away from the rod in one direction, and means interposed between said ram and said rod for swinging the rod and attached sweep back and forth on reciprocation of said ram.

1,738,873. FLOOR-SANDING MACHINE. RAYMOND E. DWALT, Leola, Pa. Filed July 31, 1928. Serial No. 126,169. 2 Claims. (Cl. 51—174.)

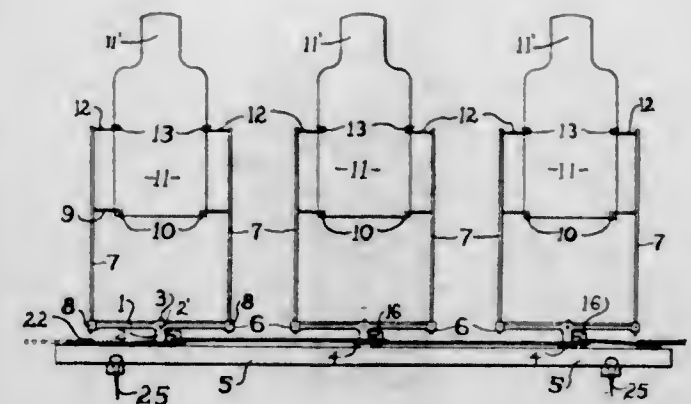
1. In a sanding machine, a pair of side frame plates, a motor roller between the plates at the rear thereof, an

idler roller between the plates at the front thereof, a presser plate between said plates intermediate of the lower parts of the rollers, a rock shaft extending across the device from one side plate to the middle of the machine, a rock arm on the inner end of the rock shaft and



pivotaly connected to the presser plate at its center, a second rock arm on the outer end of the rock shaft, a handle projecting upwardly from the side plate, an operating lever on said handle, a link connecting the second rock arm and lever, and a sander belt extending around said rolls and under said plate.

1,738,874. BOBBING TARGET. FAUSTINO J. DOMINGO, Topeka, Kans. Filed May 31, 1928. Serial No. 281,980. 2 Claims. (Cl. 124—15.)

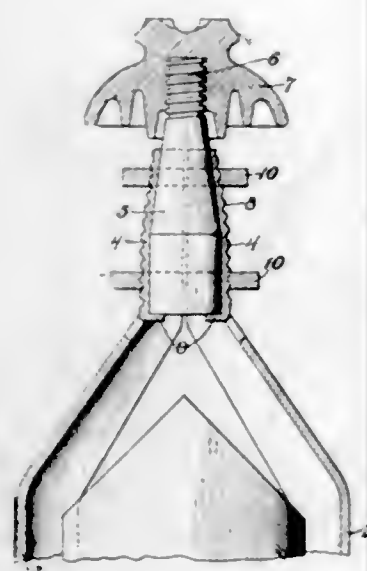


1. In a bobbing target, a base supporting means, a plurality of flanged sleeves engaging in apertures spaced along said base member, frames having an apertured sleeve for each thereof and a lever outwardly extending from each of the sleeves, and a pin to engage as rotatable connecting means for the frames to the flanged sleeve members respectively, arms connecting each of the levers of the frames, a bell crank and connecting means to the arms as rocking means for the frames to a transverse position, and a spring member to retract the frames to their normal position, the frames supporting a target, the target being removable and replaceable in the frame.

1,738,875. INSULATOR PIN. RALPH E. DUFFY, Greenfield, Mo. Filed Apr. 20, 1926. Serial No. 103,292. 5 Claims. (Cl. 173—321.)

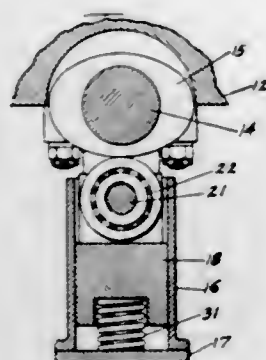
1. In a device of the character described, the combination of suitable members which cooperate to form a pin

receiving socket, means for securing the same to a support, a pin adapted to be received in said socket, and means



for altering the relative positions of said members and said pin to cause the said members to bear against the lower end of said pin to clamp and hold it in the socket.

1,738,876. ENGINE BALANCER. HENRY J. EDWARDS, Elyria, and ALVA B. GILBERT, Toledo, Ohio, assignors to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed May 23, 1924. Serial No. 715,348. 6 Claims. (Cl. 74—38.)

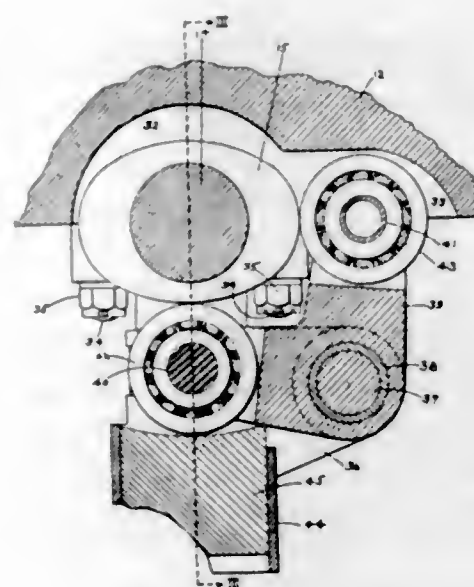


1. In a reciprocating engine, a cam driven at crankshaft speed, said cam having two high spots oppositely positioned, a weight mounted to reciprocate in a direction substantially parallel to the axes of the engine cylinders, said cam having contact with said weight to move it in one direction, and means for returning the weight and holding it against the face of the cam.

1,738,877. ENGINE BALANCER. HENRY J. EDWARDS, Elyria, and ALVA B. GILBERT, Cleveland, Ohio, assignors to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Original application filed May 23, 1924. Serial No. 715,348. Divided and this application filed Oct. 3, 1925. Serial No. 60,171. 8 Claims. (Cl. 74—38.)

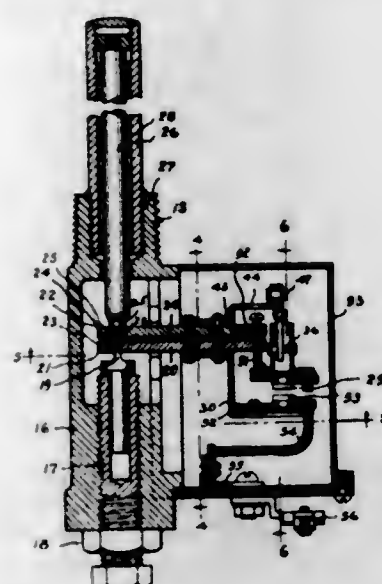
1. In a reciprocating engine, a crankshaft, a symmetrical cam with two high spots carried by the crankshaft, a bell

crank lever pivoted near said cam, a cam follower on each arm of the bell crank, both followers contacting with



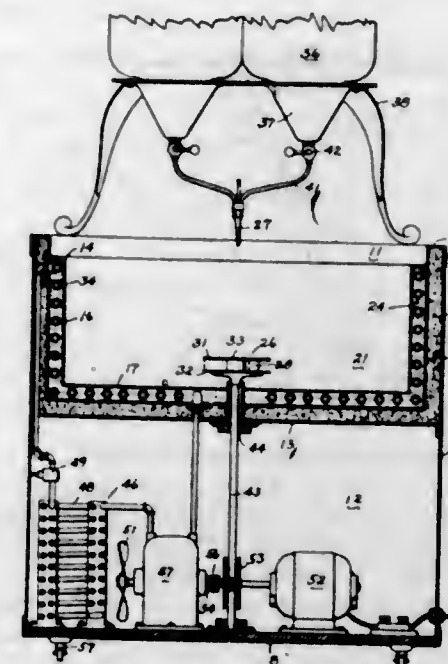
the cam at points separated by an angle of 90°, and one of said arms having connection with a counterbalancing weight.

1,738,878. THERMOSTATIC CONTROL. DIAN EISINGA, Los Angeles, Calif., assignor to National Steel Construction Co., Seattle, Wash., a Corporation of Washington. Filed Apr. 22, 1926. Serial No. 103,713. 13 Claims. (Cl. 200—137.)



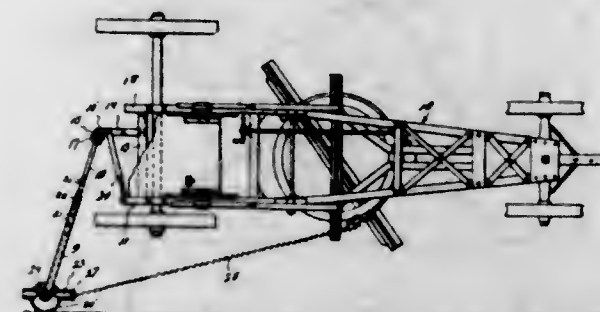
1. A thermostatic control embodying a base member; a fulcrum means mounted on said base; lever means operatively disposed on said fulcrum; thermostatic means operatively connected to said lever means; an electric switch member; actuating means for said electrical switch member; an electrical contact point mounted on said electrical switch member; and a second electrical contact point mounted on the lever means.

1,738,879. FROZEN CONFECTION AND METHOD OF PRODUCING SAME. FRANK W. EPPERSON, Oakland, Calif. Filed Oct. 1, 1925. Serial No. 59,818. 3 Claims. (Cl. 62—172.)



1. The method of forming a frozen confection which comprises simultaneously atomizing and mixing with air the different ingredients of the confection to form a common centrifugally thrown spray thereof, and throwing said spray into a space maintained at a freezing temperature for said ingredients.

1,738,880. ROAD-GRADER ATTACHMENT. AUGUST J. FALLERT, Akron, Colo. Filed May 18, 1928. Serial No. 278,735. 3 Claims. (Cl. 37—156.)

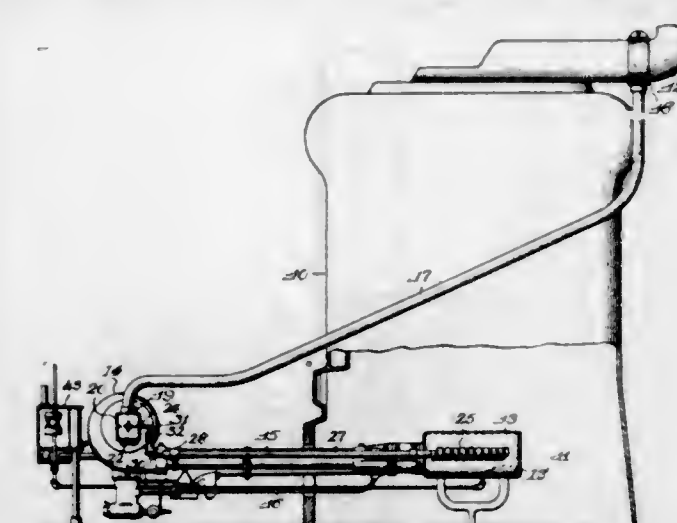


1. In a road working machine having a laterally extending brace bar, a wheel journaled on the outer end of the brace bar for engaging a bank at the side of the road for preventing movement of the machine transversely, and a runner carried by the brace bar inwardly of the outer portion of said wheel adapted for engagement with the ground to support the wheel at an elevated position.

1,738,881. METHOD AND MEANS FOR BURNING LIQUID FUEL IN FURNACES FOR HEATING BUILDINGS. ALBERT B. FRENIER, Chicago, Ill., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 6, 1925. Serial No. 48,464. 6 Claims. (Cl. 158—28.)

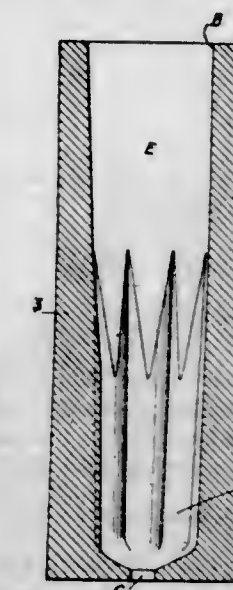
1. The method of burning liquid fuel in a confining combustion chamber, which consists in introducing all the combustion-supporting air and the fuel into said combustion chamber, igniting the mixture of fuel and air and swirling the burning mixture within the chamber with

force to confine the burning mixture to the said chamber until combustion is practically complete; in thus burning the mixture with air alone for a period of time until combustion has developed to a maximum of temperature; and in then injecting with the air a neutral gas, non-combus-



tible with air, said neutral gas and air being mixed in predetermined ratio adapted to somewhat delay combustion in said chamber and reduce the noise thereof, but without expanding the flame materially beyond the vicinity of said combustion chamber.

1,738,882. INGOT MOLD. RADCLIFFE FURNESS, Jenkintown, Pa. Filed Feb. 21, 1928. Serial No. 255,903. 6 Claims. (Cl. 22—139.)

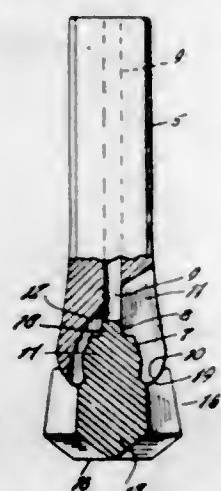


3. An ingot mold including a body provided with a metal receiving cavity increasing in area of cross section from the bottom towards the top, having a lower portion of substantial extent of a given cross sectional contour, an upper portion of substantial extent of a different cross sectional contour such that its ratio of perimeter to area of cavity is less than the corresponding ratio of perimeter to area of cavity of a cross section of equal area of the contour of the lower portion, and an intermediate portion of substantial extent of varying contour in cross section.

1,738,883. SEPARABLE ROCK DRILL. ORESTE GARINO, Butte, Mont. Filed June 27, 1929. Serial No. 374,136. 3 Claims. (Cl. 255—64.)

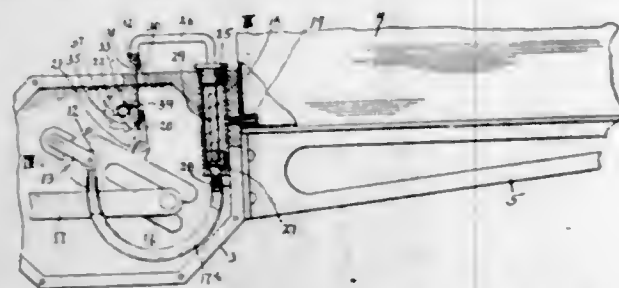
1. A rock drill comprising a shank portion and a bit portion removably seated in said shank portion, said shank portion having a socket at its lower end emerging at its inner

end in a diametrically disposed groove, said shank portion further having an opening extending from its upper end and terminating in said groove, said shank portion further provided with a slot communicating with said opening and terminating at the lower end of the said shank portion on opposite sides of the socket, said bit portion formed of a body portion having laterally projecting legs provided with



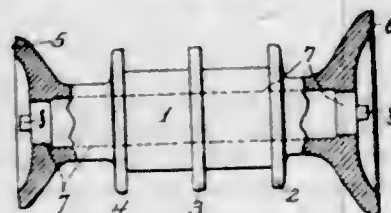
channels between said legs in communication at their upper ends with said slots and having cutting edges on the lower ends of the legs and the body portion, said body portion merging at its upper end with a shank for detachably seating in the socket and said shank merging with a raised boss for seating in said groove to prevent turning of the bit portion with respect to the shank portion of the drill.

1,738,884. WINDSHIELD WIPER. ROY E. GEARHART, Kansas City, Mo., assignor of one-half to Thomas W. Lee, Kansas City, Mo. Filed June 27, 1927. Serial No. 201,701. 9 Claims. (Cl. 15-253.)



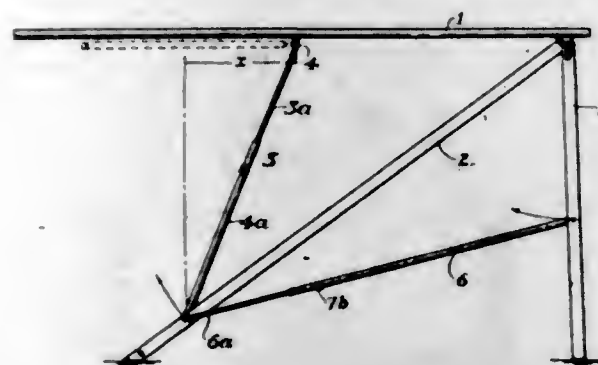
1. A wind shield wiper comprising a wiper arm adapted to distribute liquid, a hollow shaft for oscillating said arm and having its bore communicating therewith, a liquid supply tank, and a tube connecting said shaft and tank.

1,738,885. SPOOL FOR DISK-GANG ASSEMBLIES. CAMERON H. GEMBERLING, South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, a Corporation of Delaware. Filed May 16, 1928. Serial No. 278,201. 4 Claims. (Cl. 29-148.)



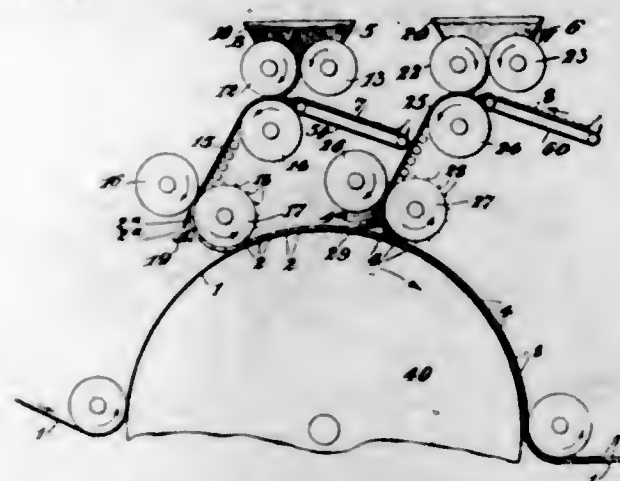
1. A spool for a disk gang assembly having an annular bearing flange at each end and having a central bore which is round in cross section, said spool having stop shoulders on each end for cooperation with stop means on the table of a machine for facing the end bearing flanges of the spool, the stop shoulders on the spool being located laterally of the central bore of the spool and without the effective area of the bearing flanges.

1,738,886. FOLDING IRONING TABLE. HENRY J. GILBERT, Saginaw, Mich., assignor to Saginaw Manufacturing Co., Saginaw, Mich., a Corporation of Michigan. Filed Sept. 8, 1928. Serial No. 304,769. 4 Claims. (Cl. 68-10.)



1. In a folding ironing table a board, a centrally arranged front leg hinged to the board near an end thereof and normally inclined forwardly and downwardly, a strut member pivotally connected to said front leg near the free end thereof and pivotally connected to the board, rear legs hinged to the board near the rear corners thereof, tie-rods hinged at their ends respectively to said front leg and to said rear legs, said strut member and tie-rods each made up of sections slidable one within the other and a latch adapted to releasably secure said sections in extended position.

1,738,887. METHOD OF MAKING INLAID LINOLEUM AND THE PRODUCT THEREOF. CHARLES G. H. GLAESER, Newark, N. J., assignor, by mesne assignments, to Congoleum-Nairn Inc., Philadelphia, Pa., a Corporation of New York. Filed Feb. 15, 1924. Serial No. 692,948. Renewed Jan. 30, 1929. 3 Claims. (Cl. 154-26.)



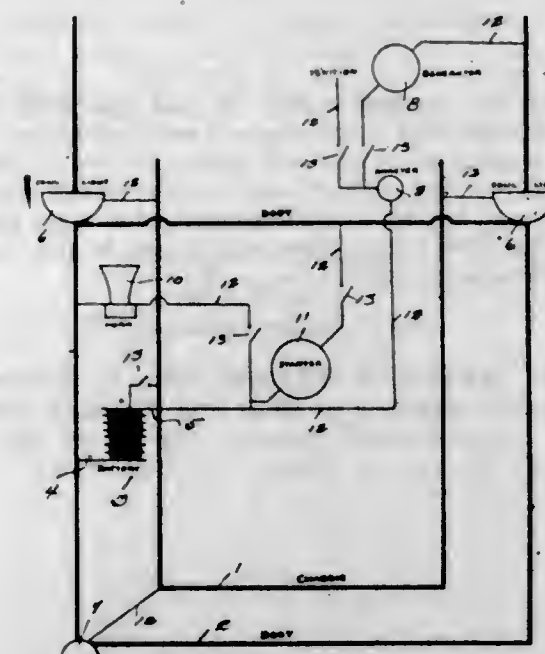
2. The method of continuous production of variegated machine inlay linoleum having a plurality of different sets of blocks, each set comprising similarly colored blocks, which method includes simultaneously and continuously forming separate primary sheets of linoleum composition, each sheet corresponding in coloring and width to one of said sets of blocks in the completed product; complementally cutting and rejecting from each primary sheet blocks corresponding in size and location to the blocks retained from the other sheet or sheets; interfitting the complemental blocks of all the sheets in their original location and spacing to form a single continuous sheet of inlaid linoleum; separately grinding rejects from each primary sheet and using substantially all of the ground rejects in endless repeating cycles in forming further continuous lengths of the respective primary sheets; at least one of said primary sheets being variegated and formed by rolling the same from non-uniformly distributed linoleum composition comprising a predominating amount of composition of one color and smaller controlled amounts

of composition of one or more variegating colors, the relative amounts of the respective compositions being such that the composition predominating in amount can be reproduced in the required amount and color when using in the reproduction substantially all of the ground rejects from the primary sheet.

1,738,888. PENCIL LEAD AND METHOD OF MAKING SAME. BYRON B. GOLDSMITH, New York, and HAROLD GROSSMAN, Bronx, N. Y., assignors to The American Lead Pencil Company, a Corporation of New York. Filed Aug. 5, 1922. Serial No. 579,970. 3 Claims. (Cl. 106-5.)

1. The method of producing marking elements which consists in deflocculating the constituents of the composition of the marking elements, mixing the deflocculated constituents, flocculating the constituents and forming the marking elements therefrom.

1,738,889. MEANS OF CONDUCTING ELECTRICITY FOR MOTOR VEHICLES. MAX H. GOLDSTEIN, Chicago, Ill. Filed Jan. 28, 1928. Serial No. 250,254. 2 Claims. (Cl. 171-97.)

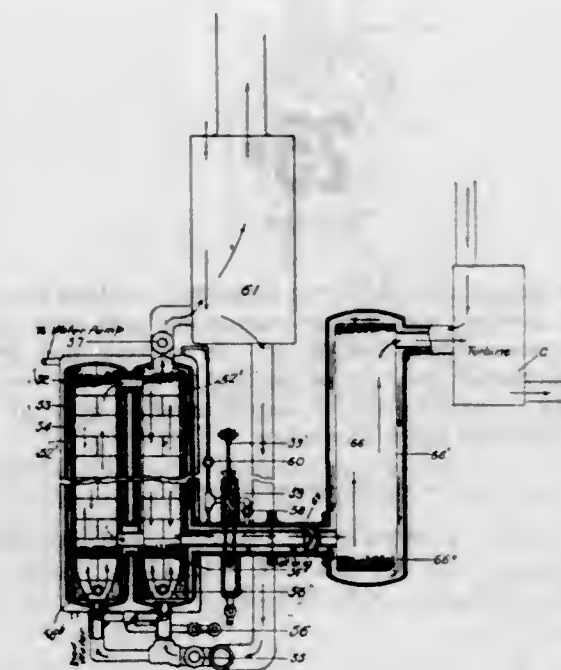


1. In a motor vehicle having a body, a plurality of electrical units, and a chassis, the body being insulated from the chassis, a source of electrical energy having its poles connected respectively to the body and to the chassis thereby to use said body and chassis as a conductor for electricity, and the several electrical units of the vehicle being connected to the body and chassis thereby to be in circuit with the source of electrical energy.

1,738,890. STEAM-SUPERHEATING PLANT. CHARLES H. GOODRICH, Whipple, Ariz. Filed Jan. 12, 1925. Serial No. 2,010. 11 Claims. (Cl. 122-484.)

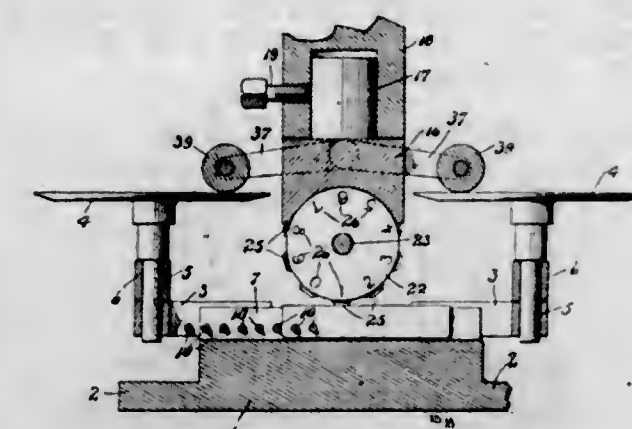
1. A superheater comprising a source of fuel, a valved passage for the fuel, a valved passage for air, means for delivery of air and fuel within the superheater in the form of combustible mixture for combustion of the mixture within the superheater, a valved passage for discharge of the gases of combustion, means for operating said valves, a filling within the superheater capable of absorbing the heat of combustion, and of giving it up to the steam being

superheated, a source of steam, and means for conducting said steam from said source to circulate within the combustion chamber and contact with the heated portion of



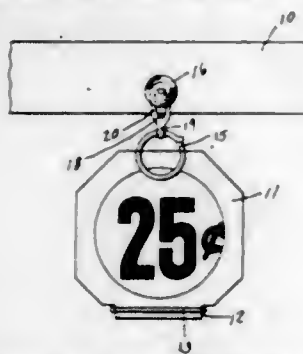
said superheater to superheat the steam, said processes of combustion and circulation of steam adapted to be carried on alternately in the same superheater chamber.

1,738,891. INKING PUNCH. EDWARD F. GRAF, Grand Rapids, Mich., assignor to Proudfit Loose-Leaf Co., Grand Rapids, Mich., a Corporation of Michigan. Filed Dec. 21, 1927. Serial No. 241,711. 5 Claims. (Cl. 101-19.)



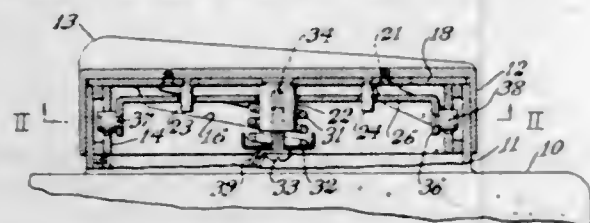
1. A construction of the class described comprising, a base, a bar rectangular in cross section located at the upper side and lying lengthwise of said base, against which a sheet metal member of angle formation may be placed with one leg lying against the upper side and the other against the front side of the said bar, a second bar located parallel to and in front of the first bar, a plurality of spaced apart stop means movably mounted on the second bar at the rear side thereof, spring means tending to move said stop pins rearwardly, means for manually moving any one of said pins independent of the others in a forward direction, and a vertically reciprocable punch located over the first bar and carrying a character which may be impressed on the downward movement of the punch into the horizontal leg of said sheet metal member, one end of the vertical leg of said sheet metal member being engaged against one of the stop pins.

1,738,892. SWINGING TAG FORKED MOUNTING. ISHMAEL H. GRAY, Indianapolis, Ind. Filed May 21, 1928. Serial No. 279,315. 4 Claims. (Cl. 40-11.)



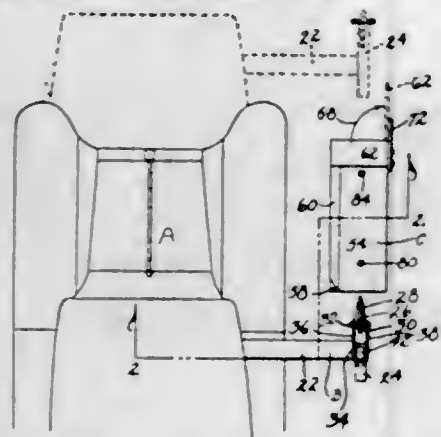
1. The combination of a tag support including a loop, a U-shaped member swingingly supporting said loop at the right portion and including an eye at one end, and a headed anchoring member extending through the eye and swingingly supporting the U-shaped member upon an axis transverse to the right mounting.

1,738,893. CONTAINER COVER. JOHN O. GRADY, Birmingham, Ala. Filed Oct. 11, 1928. Serial No. 311,843. 8 Claims. (Cl. 220-40.)



1. In a fastener for container covers, a plurality of cam surfaced fastening elements carried by the container, a spider carried by the cover, other fastening elements carried by the spider for cooperation with the fastening elements carried by the container, and means for angularly adjusting the spider with respect to the cover.

1,738,894. MAIL-DELIVERY SYSTEM. LARS GULBRANSEN, Mason City, Iowa. Filed July 26, 1928. Serial No. 295,448. 16 Claims. (Cl. 258-11.)

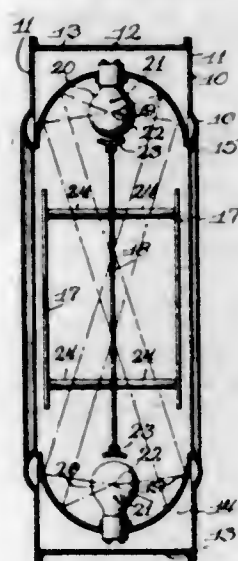


1. A mail delivery system comprising a mail box, an arm for passing therethrough and means associated with said arm and said box for transferring mail from the arm to the box and from the box to the arm as the arm passes therethrough, said means comprising a tapered channel-shaped member, the flanges of which are adapted to engage the incoming mail, said member having the outgoing mail supported on its narrowest end.

1,738,895. SIGN. LEE HALL, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a Corporation of New York. Filed June 19, 1928. Serial No. 117,033. 1 Claim. (Cl. 40-133.)

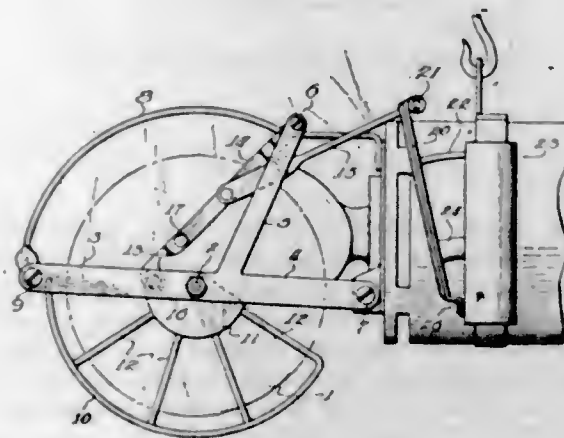
An illuminated sign comprising, a sign body including an open frame, face plates on opposite sides of said frame,

a background member located in said body substantially midway between and parallel to said face plates, each face plate having a letter space opening opposite said background member, cut out letters supported within said letter space, lamps supported in said sign body in the plane of said background member and located respectively above and below said background member, parabolic reflecting



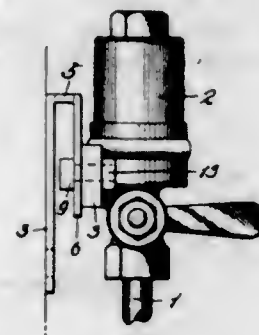
devices at the top and bottom of said sign body placed with their focal axes in the plane of said background member and respectively above and below the center lines of illumination of said rows of lamps, and auxiliary reflectors at the top and bottom of said background member adapted to block the direct light from said lamps to the faces of said background member.

1,738,896. MEAT-SAW GUARD. OTTO C. HANSEN, St. Joseph, Mo., assignor to Swift and Company, Chicago, Ill., a Corporation of Illinois. Filed July 13, 1929. Serial No. 378,142. 6 Claims. (Cl. 143-159.)



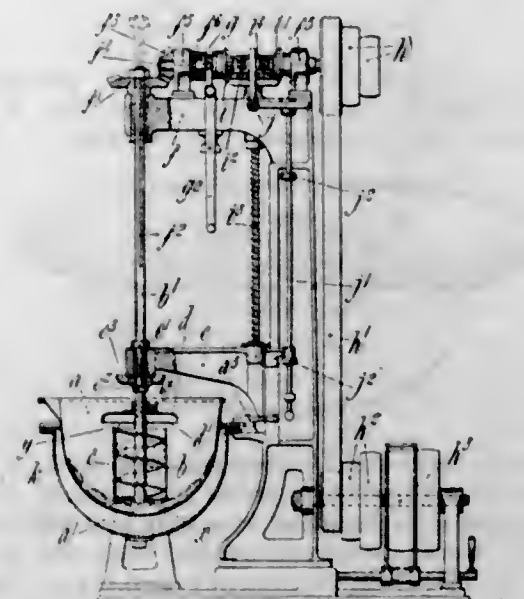
1. A device of the character described, comprising a support having a handle for manual movement of said support, a rotary power operated cutter mounted on said support, a fixed guard on said support for the non-working side of said cutter, a movable guard to protect the working side of said cutter when the device is not in use, and control means adjacent said handle for retracting the latter guard coincidentally with gripping the handle, said control means including a toggle for locking the movable guard in its cutter protecting position.

1,738,897. RETAINING-VALVE BRACKET. VICTOR H. HERBERT, Springfield, Ill. Filed Sept. 8, 1925. Serial No. 55,198. 9 Claims. (Cl. 303-1.)



3. A retaining valve anchor comprising a base, a shelf at the top of said base and extending forwardly from the base, an apron depending from the outer edge of said shelf but terminating short of the bottom of the base, said apron being parallel with said base, elongated slots in said apron, terminating in enlarged openings in said shelf.

1,738,898. MIXING APPARATUS. RONALD HEAD, London, England, assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich., a Corporation of New York. Filed May 9, 1925. Serial No. 29,030, and in Great Britain May 29, 1924. 3 Claims. (Cl. 259-97.)

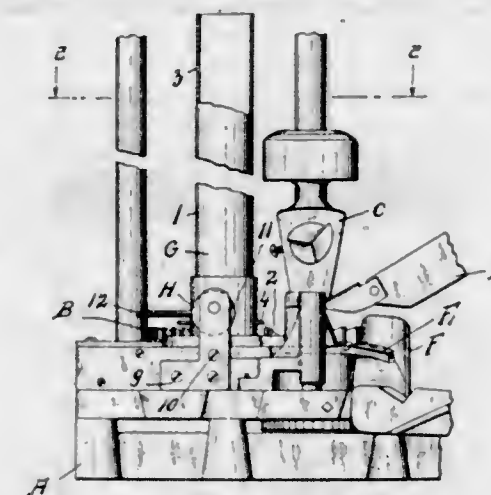


1. In a mixing apparatus, a mixing chamber, an open ended sleeve positioned axially of the mixing chamber, means for mounting said sleeve whereby it may be adjusted relatively to the bottom of said receptacle, a rotatable helical mixing member mounted within said sleeve, a shaft for driving said helical mixing member, and a deflector carried by said shaft and adjustable therealong with respect to one end of the sleeve to control the discharge of material from the adjacent end of the sleeve.

1,738,899. STAMPING MACHINE. GEORGE W. HENNE, Cleveland, Ohio. Filed Feb. 13, 1929. Serial No. 339,688. 6 Claims. (Cl. 271-1.)

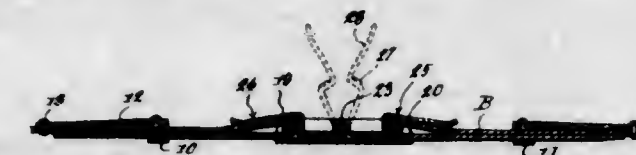
1. In a stamping machine of the class described, the combination with a frame member and a magazine, of fas-

tening devices for securing the magazine to the frame member, said fastening devices comprising complementary lugs



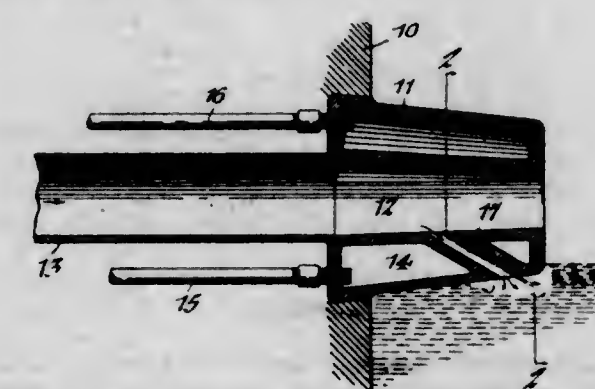
and recesses adapted to prevent movement in one plane, and means for holding the complementary lugs and recesses in engagement.

1,738,900. BELT BUCKLE. WILLIAM C. HENRY, Bellefonte, Pa., assignor of one-half to William Johnson, Bellefonte, Pa. Filed May 9, 1929. Serial No. 361,761. 3 Claims. (Cl. 24-74.)



3. A belt buckle comprising a front plate and rearwardly directed upper and lower flanges, belt strap terminal receiving rollers carried by said flanges in rear of the front plate adjacent to the opposite ends thereof, and locking levers hinged at the transverse center in the rear of the front plate for locking engagement with the belt strap terminals at the portions thereof trained over said rollers.

1,738,901. BLAST-FURNACE TUYÈRE. ERNEST H. HOLZWORTH, Buffalo, N. Y. Filed July 11, 1927. Serial No. 204,696. 3 Claims. (Cl. 266-41.)

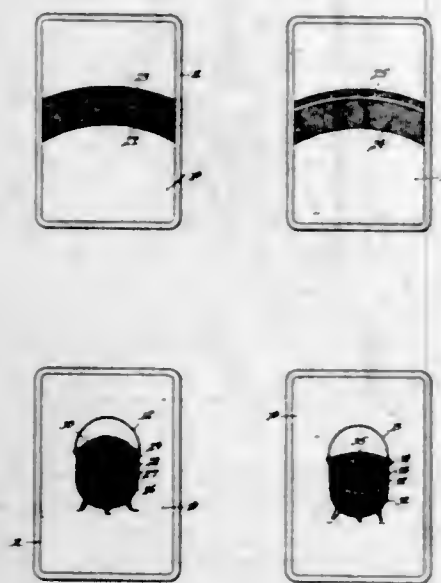


1. A blast furnace tuyère, comprising a body having a passage disposed adjacent to and under the nose end of the tuyère for delivering air under pressure into the molten materials of the furnace.

1,738,902. CARD GAME. LUCY H. HOWARD, Hartwell, Ga. Filed June 4, 1928. Serial No. 113,750. Renewed May 3, 1929. 1 Claim. (Cl. 273-152.)

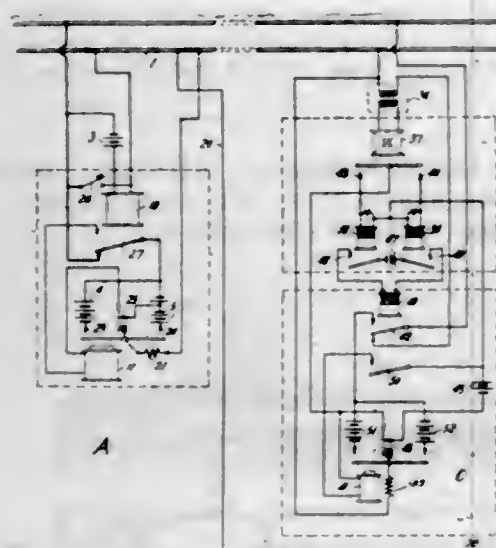
A-deck of cards comprising a series of groups each including a corresponding number of cards, every card in

each group having on one face a representation of one of the primary colors of the rainbow and also a representation of one of the elemental colors of the said primary color, each group of cards representing only one primary color



and including a plurality of duplicates or pairs, the members of each pair having representations of both the same primary and elemental colors, and two extra cards one bearing a representation of an empty pot and the other a representation of a pot filled with gold.

1,738,903. RAILWAY SIGNALING SYSTEM. ALFRED ERNEST HUDD, New Brighton, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Filed Feb. 20, 1923, Serial No. 620,206, and in Great Britain Feb. 21, 1922. 34 Claims. (Cl. 246-21.)

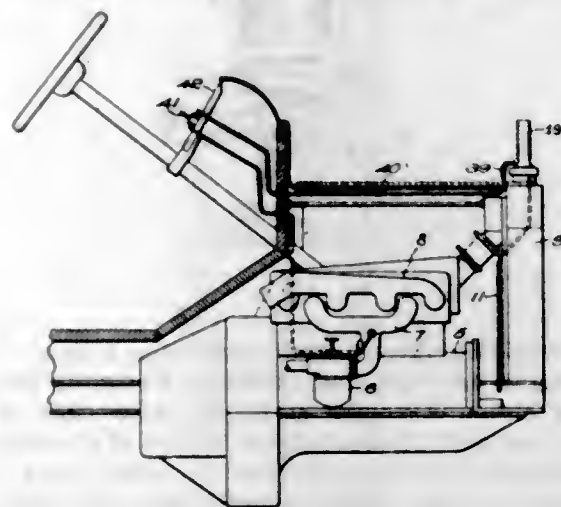


33. In combination with a section of railway track, a first relay, a signal controlled by the first relay, a second relay, means for at times closing the second relay for a brief interval of time, a pick-up circuit for the first relay controlled by the second relay, and a stick circuit for the first relay.

1,738,904. WATER-VAPOR-SUPPLY DEVICE FOR FUEL CHARGES OF INTERNAL-COMBUSTION ENGINES. PERCY L. JONES, Medford, Mass. Filed July 21, 1926. Serial No. 123,927. 3 Claims. (Cl. 123-25.)

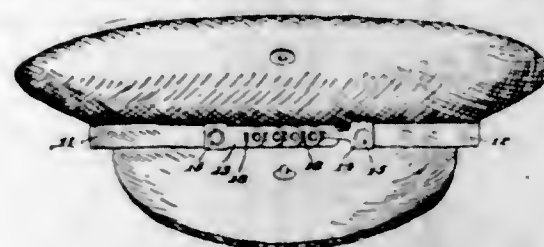
1. In a vapor supply device for internal combustion engines, the combination of a cap for attachment to a radiator to furnish the vapor, said cap comprising upper and

lower hingedly connected sections, said upper section presenting an opening, a frame having a head and a neck above said upper section and a reduced shank extending through said upper section and secured to the latter, said head presenting a chamber and said neck and shank presenting a passage leading from said chamber through said neck and shank and adapted to permit vapor from the radiator to ascend into said chamber, said chamber having oppositely disposed, transparent walls through which water



may be viewed, said chamber also having upwardly converging sides in its upper portion, and downwardly converging sides in its lower portion, a tube having an inlet orifice for vapor adjacent the upper portion of said chamber, said tube extending in a downward direction along one side of said chamber and through said neck to the exterior, and a flexible tube attached to the outer end of said conduit and adapted to be flexed when the upper section of said hinged cap is swung to open said cap for the admission of water to the radiator.

1,738,905. ADJUSTING MEANS FOR GARMENTS. HENRY B. KIEFER, Louisville, Ky. Filed Sept. 4, 1928. Serial No. 303,868. 5 Claims. (Cl. 24-206.)



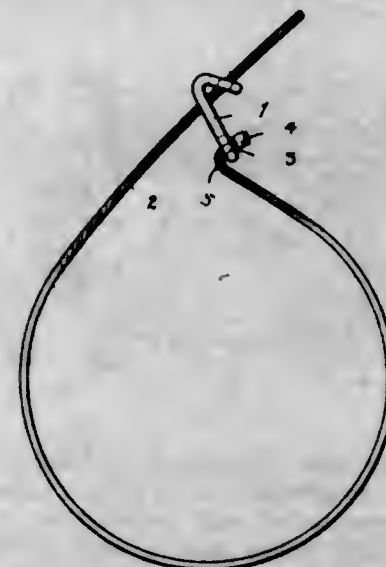
5. Adjusting means for garments comprising a plurality of similarly formed sections pivotally connected to each other and attached at one end to a garment, the sections each being formed with a slot which, when the sections are folded one upon another, registers with the slot in each adjacent section, and a member provided with slot engaging means adapted to interlock with the registering slots of the sections when folded to the desired length.

1,738,906. BITUMINOUS COMPOSITION AND PROCESS OF MAKING SAME. LESTER KIRSCHBAUM, Leonia, N. J. Filed July 22, 1927. Serial No. 207,821. 15 Claims. (Cl. 134-1.)

1. The process which comprises forming an aqueous dispersion of a bitumen-pitch type base, and aerating said dispersion to produce a substantially permanent cellular and sponge-like structure, said cellular structure containing gas in the dried product.

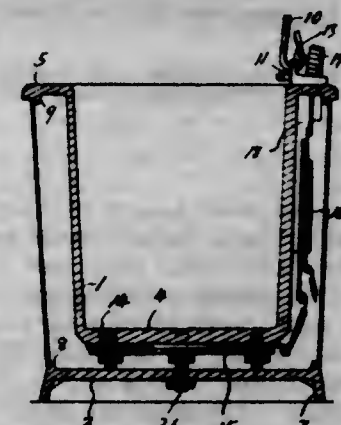
5. The process which comprises forming an aqueous dispersion of a bitumen-pitch type base, introducing into said dispersion an agent having a low surface tension, and aerating the mass to produce a substantially permanent cellular and sponge-like structure, said cellular structure containing gas in the dried product.

1,738,907. SNARE. JOHN KLEFFMAN, Hibbing, Minn. Filed Dec. 3, 1927. Serial No. 237,441. 4 Claims. (Cl. 43-87.)



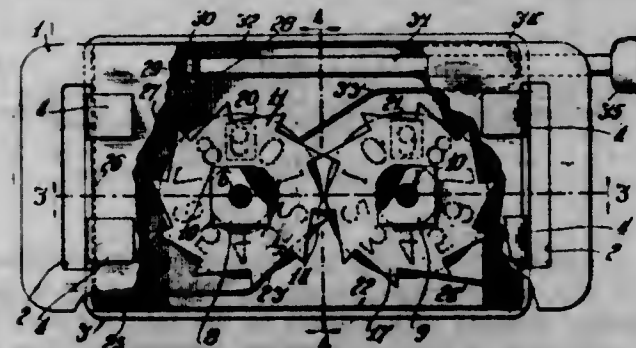
1. A snare comprising a catch having holes in either end thereof, a slot intermediate of said holes, a wire adjustably mounted within one of the holes and passing through the slot and one of its termini fixed through the other hole.

1,738,908. ELECTRIC MELTING POT. FRANK KUHN and LAURENCE H. THOMAS, Detroit, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 13, 1928. Serial No. 254,103. 8 Claims. (Cl. 219-44.)



1. In combination, a support, a receptacle in which glue and the like may be heated on said support, a heating element on the bottom of said receptacle, and means on an upright side of said receptacle at a point substantially midway the top and bottom thereof for controlling the operativeness of said heating element, the receptacle, element and means being assembled together and movable as a unit relative to said support.

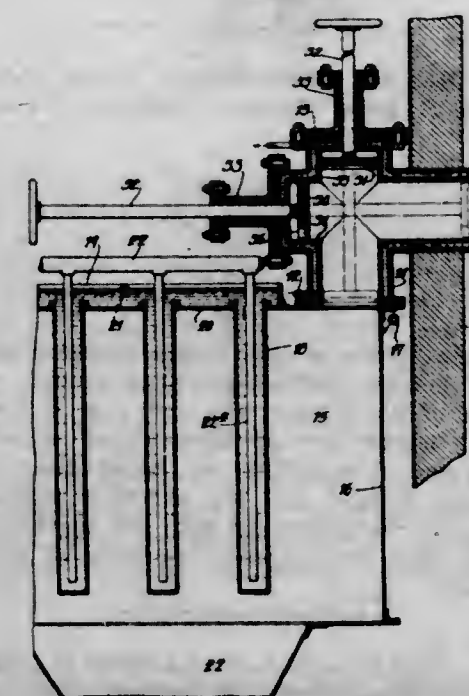
1,738,909. INTERMITTENT DRIVE FOR SCOREKEEPING DEVICES. OTTO KURZ, Chicago, Ill.; Anna M. Kurz administratrix of said Otto Kurz, deceased. Filed May 5, 1927. Serial No. 188,935. 4 Claims. (Cl. 74-54.)



1. A device of the kind specified including a casing, a pair of operatively associated ratchet wheels housed therein. 389 O. G.—27

by, a flat spring having opposed end portions engaging the respective ratchets for preventing rotation in one direction of each thereof, said spring mounted in said casing and held in place therein by the walls thereof and by engagement with said ratchet wheels, a second spring housed by and mounted in said casing and including a free end portion engaged with one of said ratchet wheels, and a reciprocable plunger associated with the last-named spring and with the casing for causing said free end portion of said last-named spring to rotate the ratchet wheel associated therewith as said plunger is moved against the action of said spring.

1,738,910. PRODUCTION OF ZINC. ROBERT LEPSOE, Trail, British Columbia, Canada. Filed June 24, 1927. Serial No. 201,112. 1 Claim. (Cl. 266-19.)

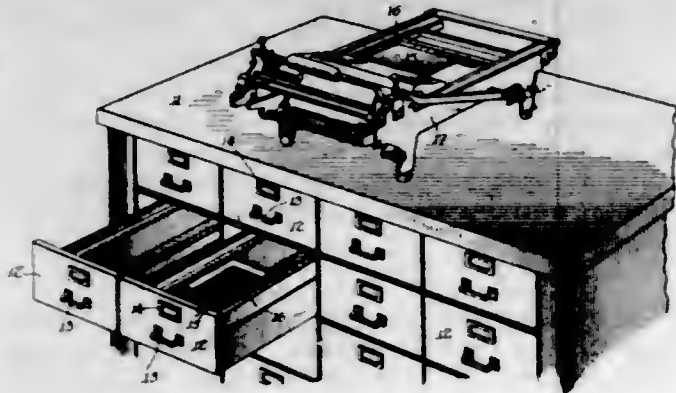


The combination of a furnace having means for introducing continuously a supply of zinciferous material and carbon and melting the charge to form a bath with an exposed surface and a zinc-containing gas at such a high temperature as to prevent the accumulating of a deposit on the wall within the furnace, a condenser for the gas closely adjacent to the furnace and a comparatively short tuyere extending through the wall of the furnace for the continuous passage of the gas from the surface of the bath as it is formed directly to the condenser, the tuyere being located so close to the bath that the gas enters it at the aforesaid high temperature, and means for cooling the tuyere throughout its length to cause a sudden and extreme drop in the temperature of the gas through the dew-point and down to the point of condensation of the metallic vapor to powder while passing through the tuyere so as to avoid the formation of a hard crust within the tuyere and means for removing any powder deposited in the tuyere so as to keep the cooling effect at a maximum without interrupting the continuity of the operation.

1,738,911. LIFE-INSURANCE-POLICY TABLE-VALUE PRINTING-IN SYSTEM. GABRIEL LIPMAN, Chicago, Ill. Filed Feb. 29, 1928. Serial No. 257,868. 1 Claim. (Cl. 101-287.)

In an appliance for printing value tables in life-insurance policies, the combination of a printing-press having

guide means for its chase, a printing-plate gauge adapted to be positioned on said chase against said guide means, and



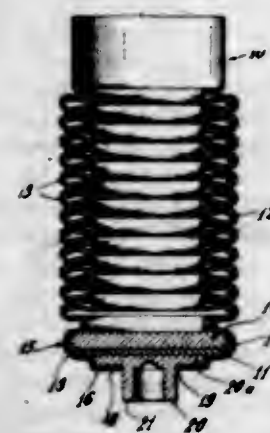
a printing-plate adapted to be placed on said chase in contact with said gauge to be correctly located thereby for proper printing register with the life-insurance policy.

1,738,912. BLADE. JOHN MILTON LUERS, Detroit Mich. Filed Jan. 21, 1928. Serial No. 248,458. 6 Claims. (Cl. 29—95.)



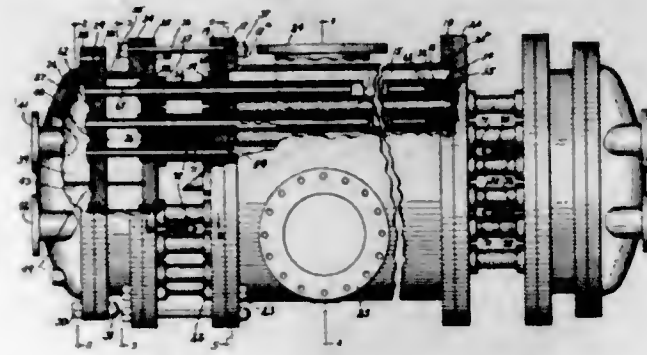
5. A blade having a wider and a narrower portion, said wider portion having a hollow ground outer surface one end of which forms a cutting edge, said wider portion having hollow ground sides widest apart at their outer ends and substantially no longer than the width of said outer surface, and the narrower portion having its sides substantially parallel with one another and nearer together than any opposed portions of said hollow ground sides.

1,738,913. EXPANSIBLE-COLLAPSIBLE ELEMENT. HARRY C. MALLORY, deceased, Bellport, N. Y., by Sue R. Mallory administratrix, Bellport, N. Y.; said Harry C. Mallory assignor, by mesne assignments, to American Radiator Company, Chicago, Ill., a Corporation of New York. Original application filed Aug. 31, 1920, Serial No. 407,207, Patent No. 1,570,312, dated Jan. 19, 1926. Divided and this application filed July 25, 1925. Serial No. 46,103. 5 Claims. (Cl. 137—156.5.)



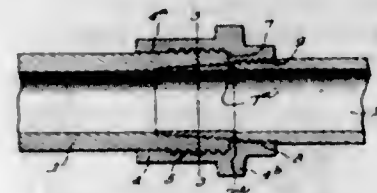
1. An expansible-collapsible element comprising a shell having a circumferentially corrugated body portion, a closed end, a member disposed within said end to reinforce the same and retained therein by a portion of said shell extending over and engaging the edge of said member, a member engaging the outer wall of said end, a boss projecting centrally therefrom, and separate means for retaining said outer member in engagement with said end, substantially as specified.

1,738,914. APPARATUS FOR HEAT EXCHANGING. GEORGE T. MOTT, Pearl River, N. Y. Filed Aug. 4, 1926. Serial No. 127,039. 13 Claims. (Cl. 257—238.)



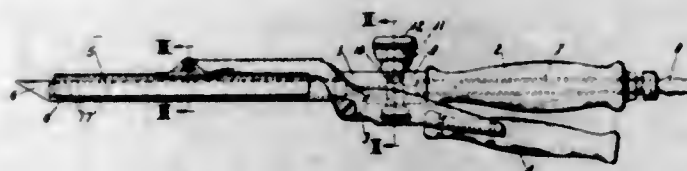
1. A device for heat exchanging, including in combination, a pair of receptacles spaced apart, tubes extending between said receptacles and penetrating the opposite heads thereof, said tubes having each a pair of outwardly extending flanges adapted to contact with said opposite heads and maintain said receptacles spaced apart.

1,738,915. PIPE COUPLING. PHILIP MUELLER, Decatur, Ill., assignor, by mesne assignments, to Mueller Co., Decatur, Ill., a Corporation of Illinois. Filed May 7, 1924. Serial No. 711,651. 3 Claims. (Cl. 285—84.)



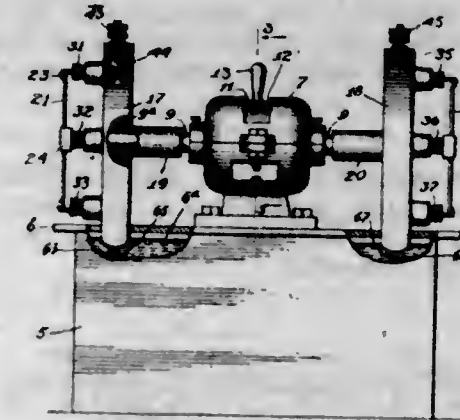
1. The combination with a hard metal pipe and a pipe of ductile metal, of a coupling sleeve having one end connected to the hard metal pipe and provided at its opposite end with a socket receiving one end of the ductile metal pipe, said sleeve having an interior, integral, annular shoulder forming an abutment for the end face of the ductile metal pipe therein and the circumferential wall of said socket having intersecting circumferential and longitudinal grooves formed therein, and a longitudinally tapered sleeve within said socket contacting with the inner periphery of the annular shoulder and the ductile metal pipe and expanding the wall of the ductile metal pipe, the portion of the ductile metal pipe within said socket provided with projections extending into said grooves to prevent relative rotary and longitudinal movement between the coupling and ductile metal pipe.

1,738,916. STEAM CURLING IRON. JOHN C. MURRAY, Cleveland, Ohio, assignor to The Nestle-Le Mur Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 26, 1927. Serial No. 228,747. 4 Claims. (Cl. 132—32.)



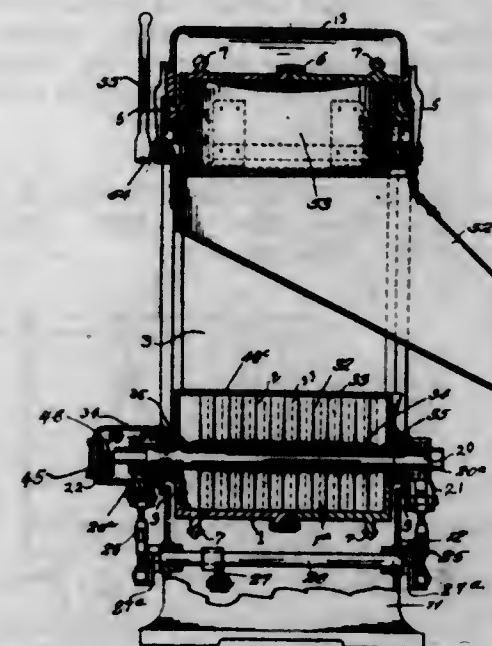
1. Apparatus for curling hair comprising a tube closed at the end, perforations along one side thereof, a shoe resiliently movable with respect to the tube for pressing hair thereupon, a source of steam connected to the interior of said tube and a valve controlling the admission of the steam to the tube.

1,738,917. ELECTRIC MACHINE. ARTHUR MUTSCHER-LEE, New York, N. Y., assignor to Wappler Electric Company, Inc., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,347. 17 Claims. (Cl. 175—364.)



10. An electric machine of the character described comprising a casing having the general form of a box, a top board mounted upon said casing and serving as a closure member for said box and as a supporting member for other parts, a synchronous motor mounted upon said top board and substantially midway between the ends thereof, said motor being provided with a revoluble shaft extending through said motor and extending in opposite directions therefrom, a pair of stanchions made of insulating material and located upon opposite sides of said motor and supported by said top board, said stanchions extending entirely through said top board and being provided with openings through which the end-ports of said revoluble shaft extends, a pair of rectifying switches connected with the ends of said shaft and driven by the rotation of the shaft, said rectifying switches being partly supported by said stanchions and located upon opposite sides of said motor, a transformer mounted within said box, conductors extending from said transformer through said stanchions to said rectifying switches for the purpose of supplying to said switches the currents to be rectified thereby, and means for synchronously energizing said motor and said transformer.

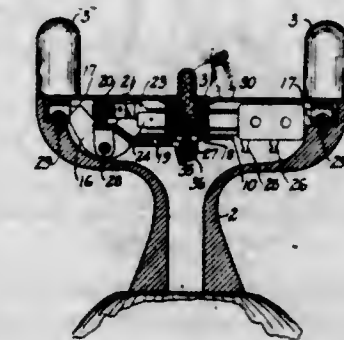
1,738,918. METHOD OF CUTTING AND APPARATUS THEREFOR. GEORGE R. NAPIER, Cleveland, Ohio, assignor, by mesne assignments, to The Guardian Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 19, 1925. Serial No. 31,423. Renewed Oct. 22, 1928. 25 Claims. (Cl. 146—84.)



21. The method of comminuting material consisting in subjecting a mass of material to centrifugal force against

an abutment positioned in a vertical plane, bringing said material in operative comminuting contact with comminuting means held out of contact with said abutment and having a plurality of motions relative to the line of travel of said material, thereby reducing the said material to a comminuted condition.

1,738,919. TELEPHONE DESK SET. HERBERT F. OBERG-FELL, River Forest, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed July 20, 1927. Serial No. 207,028. 13 Claims. (Cl. 179—159.)



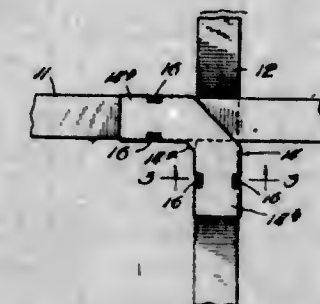
1. A portable desk set comprising a base and standard therefor, a cradle member integral with said standard and adapted to support a hand telephone, switching mechanism mounted in said cradle member, and means associated with said switching mechanism projecting from the cradle member, the same means causing the operation of said switching mechanism upon the association and disassociation of the hand telephone with the cradle member.

1,738,920. BLASTING CARTRIDGE. ERLE ORMSBY, St. Louis, Mo., assignor, by direct and mesne assignments, to Central Mine Equipment Company, St. Louis, Mo., a Corporation of Missouri. Filed July 5, 1927. Serial No. 203,420. 7 Claims. (Cl. 102—6.)



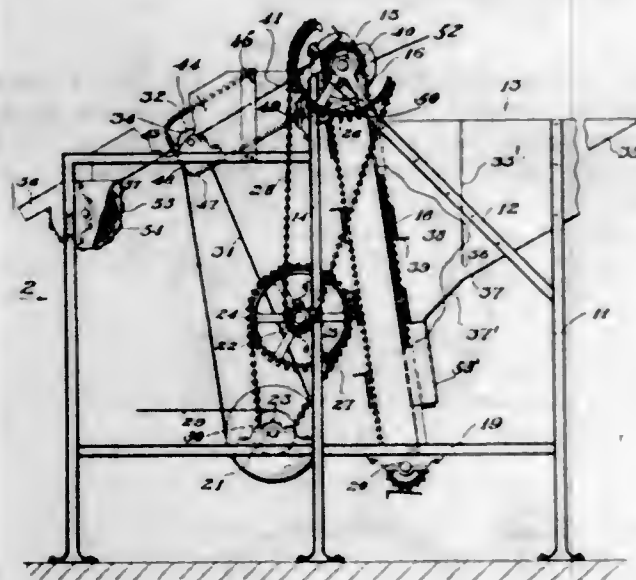
5. A blasting cartridge comprising a hollow metallic cartridge shell having a slot near one end of considerable greater circumferential length than its width.

1,738,921. BOX-STRAP SEAL. JOHN EKERN OTT, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a Corporation of Illinois. Filed May 10, 1928. Serial No. 276,566. 5 Claims. (Cl. 24—23.)



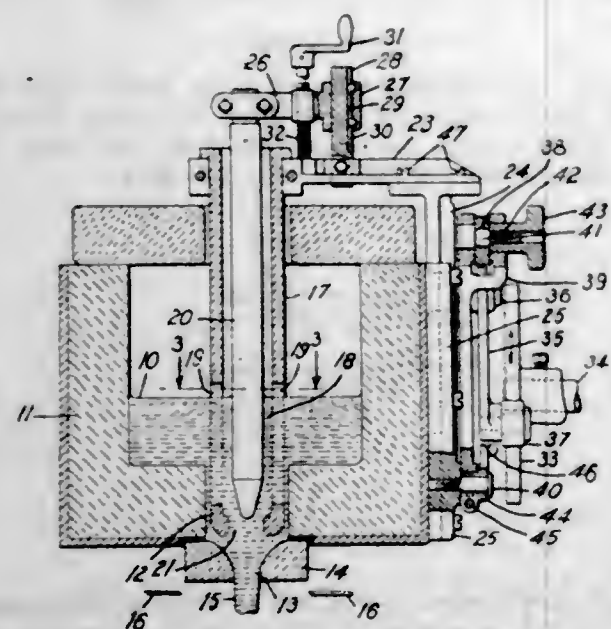
1. The combination with a pair of crossed straps angularly disposed, of a sealing device having angularly disposed arms each engaging one of said straps, said arms having flanges underlying said straps, said arms and said straps having parts thereof deflected at their edges to form interlocking connections.

1,738,922. DECORTICATING MACHINE. COLIN C. PALMERSTON, Monrovia, Calif. Filed Jan. 20, 1926, Serial No. 82,410. Renewed Apr. 9, 1929. 12 Claims. (Cl. 146-9.)



1. In a machine of the general character described: a frame providing support and housing for a blow-striking organization and for a handling organization, a blow-striking organization comprising a decorticating member provided with projecting parts, means for imparting rapid movement thereto, a handling organization comprising means for advancing units to be decorticated relatively to said member, and means for preventing said units from predetermined intervals during which repeated blows are struck upon each unit from being prematurely driven, out of reach of said projecting parts in a direction in which they are impelled by said blows.

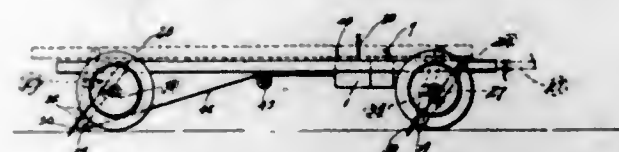
1,738,923. APPARATUS FOR FEEDING MOLTEN GLASS. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Original application filed Jan. 27, 1923, Serial No. 615,308, now Patent No. 1,675,819, dated July 3, 1928. Divided and this application filed Feb. 17, 1927. Serial No. 168,952. 11 Claims. (Cl. 49-55.)



1. In apparatus for segregating mold charges from a body of molten glass, the combination with a glass con-

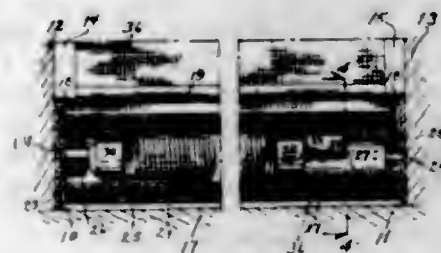
tainer having a submerged discharge outlet, a movable support, a tubular member mounted on the support and projecting into the glass in alignment with the outlet, a solid member mounted on the support and located within the tubular member, means for causing a relative adjustment of the members on the support, means for adjusting the support relative to the outlet, and means for moving the support to reciprocate the members toward and from the outlet.

1,738,924. POWER TAKE-OFF. STANLEY PRZYBYSEW-SKI, Saginaw, Mich., assignor to Stella Mowczyk, Saginaw, Mich. Filed Dec. 13, 1928. Serial No. 325,757. 1 Claim. (Cl. 254-4.)



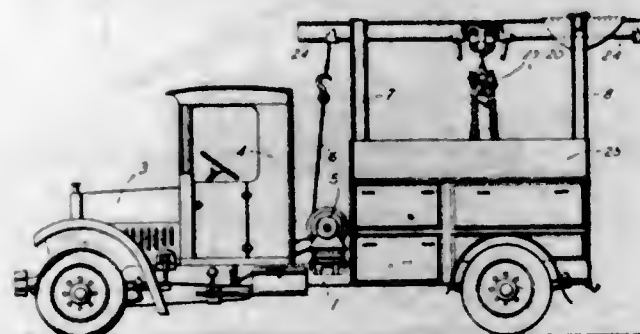
The combination with the chassis of a vehicle having props pivotally secured to the frame thereof, of a power take off comprising a housing, a transversely disposed shaft journaled therein, a drum mounted thereon, a cable anchored to the drum and connecting with one of said props, spaced apart lugs on said cable, and means in the housing for engaging said lugs for holding it in adjusted position.

1,738,925. ROLLING WINDOW SCREEN. GEORGE F. SAGERS, Des Moines, Iowa. Filed Nov. 4, 1927. Serial No. 231,039. 3 Claims. (Cl. 156-36.)



1. In a device of the class described, a hollow roller formed with a bearing at one end, a cartridge of tubular form fitted to and slidable in the opposite end of said roller, said cartridge being formed with a bearing at its outer end, a coil spring mounted within said roller and fixedly secured at one end, and a plug partially received within and secured to said spring and partially received within the inner end of said cartridge, together with means on said roller engaging said plug and cartridge to prevent relative rotation of said plug, cartridge and roller.

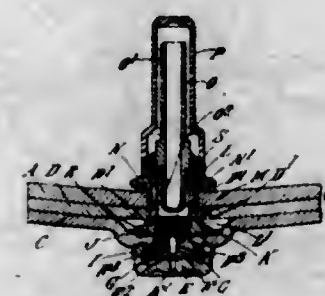
1,738,926. TRUSSED STRUCTURE. HAROLD H. SAKER, Cleveland, Ohio. Filed Mar. 21, 1927. Serial No. 177,929. 2 Claims. (Cl. 104-126.)



1. A trussed structure comprising two longitudinally extending frame members, two transversely extending

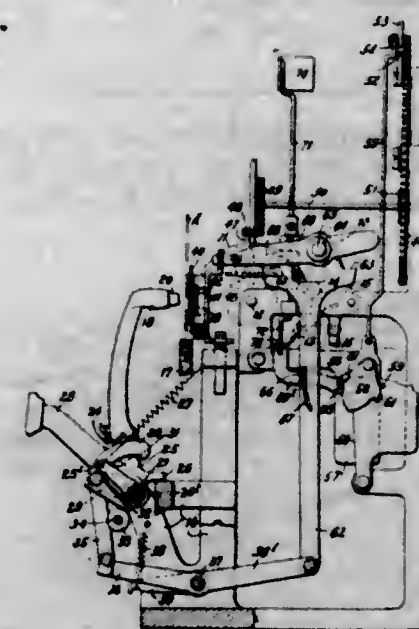
beams carried thereby, a bow-shaped member carried by each beam and comprising a curved-loop at the top, downwardly diverging sides, and vertically extending ends terminating upon said beam near its ends, diagonal braces from said beams to the upper part of said vertical sections of the bow, longitudinally extending beams connecting the corresponding sides of the bows adjacent the upper part of the vertical sections thereof, a central longitudinally extending beam carried by the tops of the bows, and gusset plates between said first mentioned longitudinally extending beams and said bows.

1,738,927. VALVE FOR PNEUMATIC TIRES. PIERO MARIANO SALERNI, Route de Villefrance, Nice, France, assignor to Marie-Thérèse Elisabeth Salerni, Nice, France. Filed Dec. 22, 1926, Serial No. 156,312, and in Great Britain Dec. 2, 1926. 2 Claims. (Cl. 152-12.)



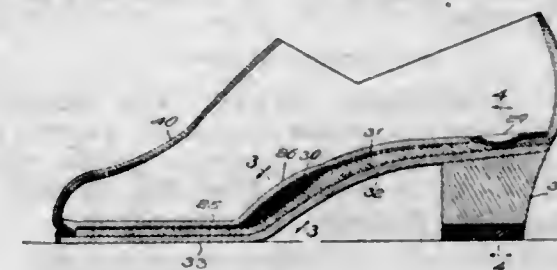
2. In a pneumatic tire, an inflation valve on the inner tube adapted to be located adjacent to an opening in the rim, a tubular member in said opening and an adaptor that can be secured to the valve through the tubular member in the rim for inflating purposes and can be reversed after inflation so as to be secured in the said tubular member without being connected to the valve.

1,738,928. WORKMAN'S TIME RECORDER. RICHARD D. SAWTELL, Atlanta, Ga., assignor to James W. Anderson, New York, N. Y. Filed Jan. 26, 1927. Serial No. 163,670. 5 Claims. (Cl. 284-1.)



1. In a device of the character described, in combination, recording mechanism for making an impression or record on a record card, or the like, and a mechanism operating under joint time and manual control to prevent at predetermined timed intervals the making of a record by said recording mechanism.

1,738,929. SHOE. ISIDORE SIMON, Chicago, Ill. Filed Oct. 12, 1927. Serial No. 225,763. 8 Claims. (Cl. 36-71.)



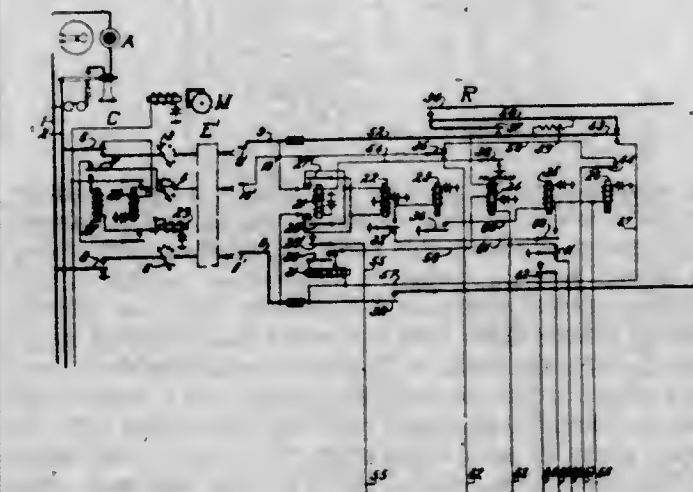
1. In a shoe in combination, an inclined support for the osclasis at the side opposite the side of the lateral tubercle of the osclasis having its highest elevation at the inside edge of the heel, and a depression in the floor of the inner sole in the heel portion thereof opposite the median tubercle of the osclasis.

1,738,930. MAGNESIUM PERCHLORATE. GEORGE FREDERICK SMITH, Urbana, Ill. Filed June 13, 1927. Serial No. 198,701. 12 Claims. (Cl. 23-85.)

6. Anhydrous granular magnesium perchlorate having no affinity for carbon dioxide.

11. The process of preparing anhydrous magnesium perchlorate without affinity for carbon dioxide which consists in grinding together anhydrous ammonium perchlorate together with a magnesium compound which will react with it to form the magnesium perchlorate, there being present some excess of anhydrous magnesium carbonate, and heating the resulting product at a temperature which will drive off water but not create a material affinity for carbon dioxide.

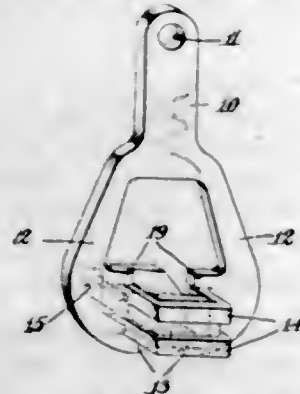
1,738,931. ZONE METERING SYSTEM. RUDOLPH F. STEHLIK, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 12, 1926, Serial No. 87,742. Renewed Mar. 18, 1929. 20 Claims. (Cl. 179-9.)



1. In a telephone system, a calling line, a message register associated with said line, a plurality of automatic switches accessible to said line and used in setting up connections to called parties in a plurality of distant exchanges, zone metering equipment associated with certain of said automatic switches, a zone marking switch arranged to be temporarily associated with said zone metering equipment, means on said calling line for transmitting impulses to said automatic switches to extend the connection to a called line, means responsive to the transmission of said impulses for operating said zone marking switch simultaneously with said automatic switches to determine a charge to be assessed against said calling subscriber, means responsive to the operation of said

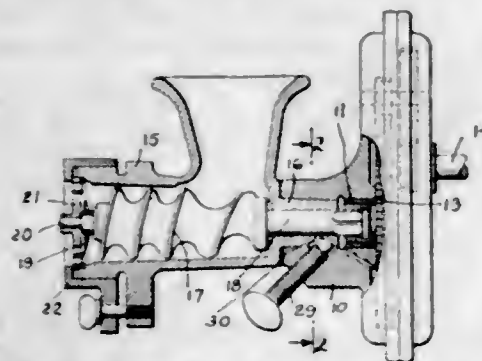
zone marking switch for setting said zone metering equipment so as to assess the determined charge, and means operated by the response of the called party for causing said zone metering equipment to operate said meter to assess said charge.

1,738,932. STEELYARD STIRRUP FOR WEIGHING SCALES. THOMAS HENRY STRACHAN, Dayton, Ohio, assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Apr. 16, 1925. Serial No. 23,580. 6 Claims. (Cl. 308-2.)



2. A bearing stirrup for a weighing scale comprising a one piece sheet metal member having a shank portion, an integral loop portion extending transversely of the shank portion a second loop portion extending oppositely to said first named loop portion, each of said loop portions consisting of a continuous strip with both ends joining the member to form a bearing seat open at the top and bottom.

1,738,933. MEAT CHOPPER. THOMAS H. STRACHAN, Dayton, Ohio, assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Sept. 14, 1926. Serial No. 135,441. 1 Claim. (Cl. 146-182.)



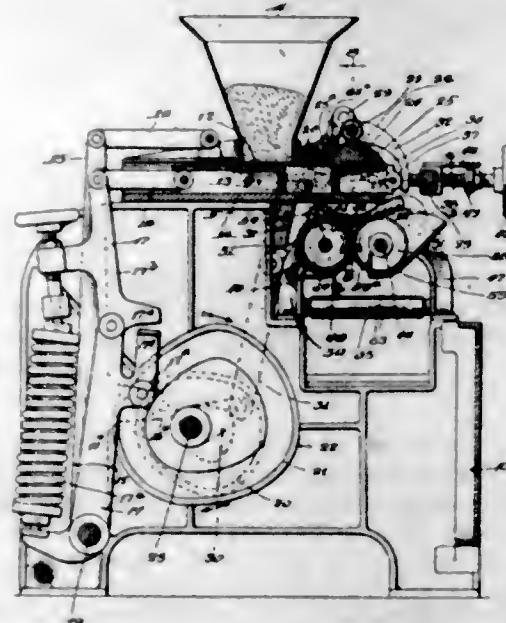
A meat chopper comprising a casing, a worm rotatably mounted therein, a fixed frame, a round socket formed in said frame, a round stub shaft provided on said casing and seated in said socket, a depression formed in the periphery of said shaft, said depression being of varying elliptical cross-section with the major axes disposed longitudinally of said shaft, a threaded bore formed in said frame at an incline to said depression, and a screw with a flat end threaded into said bore for cooperating with the curved walls of said depression, the end of the screw and the elliptical depression being wedged into each other in a direction longitudinal of the screw and also in a direction laterally of the screw to resist forward and rotary thrust of said shaft with a wedging action, and the screw and depression cooperating upon movement of the screw into the depression to bring the shaft from a position out of alignment into one of alignment.

1,738,934. METHOD OF TREATING LEATHER AND PRODUCING LEATHER ARTICLES. DAVID M. STRACHAN, Rochester, N. Y., assignor to Ritter Dental Manufacturing Co., Inc., Rochester, N. Y., a Corporation of Delaware. Filed Nov. 12, 1926. Serial No. 148,075. 6 Claims. (Cl. 149-6.)

1. The method of producing packing which comprises impregnating leather of the class described with acetone

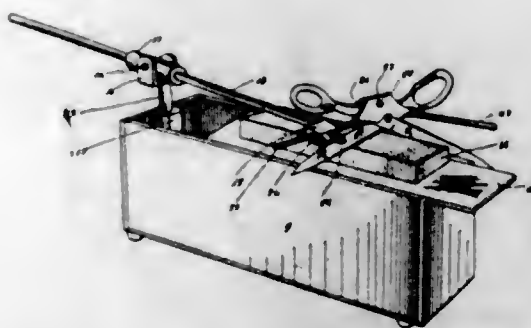
for the purpose of softening the same and carrying off therefrom the moisture and impurities contained therein, forming the leather to the desired shape while in a softened state, subsequently immersing the leather in a liquid composition embodying a plurality of different kinds of waxes and maintaining it in the liquid for a length of time sufficient to permit the leather to become thoroughly impregnated with the wax and allowing the wax therein to harden while maintaining said shape.

1,738,935. DOUGH DIVIDER. FRANK STREICH, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a Corporation of Illinois. Filed Jan. 14, 1928. Serial No. 246,694. 16 Claims. (Cl. 107-15.)



2. In a dough divider, the combination with a rotary measuring head having a pocket in which the material is measured, an ejecting plunger sliding in said pocket, and means for oscillating said measuring head, of a pivotally mounted cam member having a face non-concentric with respect to the axis of rotation of the measuring head, one end of said cam member being adjustable toward and away from the axis of rotation of the measuring head, and adjustably mounted abutment means for said cam member for regulating the depth of said measuring pocket.

1,738,936. SCISSORS-SHARPENING DEVICE. JAMES EDWARD STRNAD, Chicago, Ill. Filed Apr. 26, 1926. Serial No. 104,581. 5 Claims. (Cl. 51-158.)



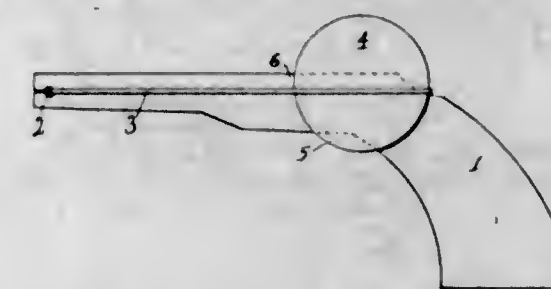
1. A device of the class described comprising in combination an abrasive element mounted on the slidable cover of a container, a clamping member secured to a rod longitudinally and angularly movable over said abrasive element and means including a split post vertically adjustable in a socket member fastened to said container and connected to the rod whereby said rod may be vertically adjusted.

1,738,937. COMBINATION FISHING TOOL. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Oil Tools, Inc., a Corporation of California. Filed Apr. 18, 1928. Serial No. 270,832. 11 Claims. (Cl. 294-86.)



1. An overshot body comprising a hollow section adapted to be telescoped over a cylindrical member, vertically reciprocable slips mounted within the hollow section and adapted to permit the hollow section to be telescoped over a cylindrical member, means limiting the reciprocable movement of the slips, means causing said slips to contract about a cylindrical member therein when an attempt is made to withdraw the hollow section from the cylindrical member and thereby tightly grip the member and connect it to the overshot body, said slips having left-hand wickers formed on their interior surfaces for engaging the surface of the cylindrical member whereby the member may be released by proper relative rotation between the slips and cylindrical member.

1,738,938. TOY GUN AND PROJECTILE. NATHANIEL BALDWIN, East Mill Creek, Utah. Filed Dec. 15, 1923. Serial No. 73,576. 8 Claims. (Cl. 124-14.)

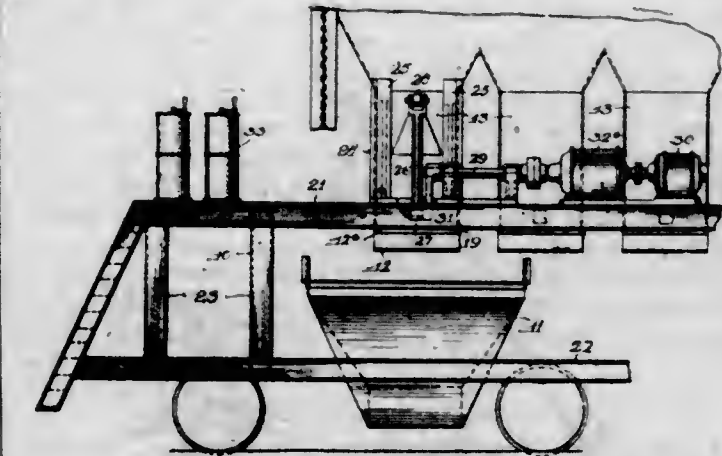


5. A toy gun and projectile comprising a projectile, a gun body with seat adapted to receive said projectile, an elastic cord connected with said gun body and adapted to stretch over said projectile and to propel said projectile when said projectile is tipped over the edge of said seat by the operator.

1,738,939. POWER-DRIVEN BIN-GATE-ACTUATING DEVICE. ARTHUR J. BOYNTON, Winnetka, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1927. Serial No. 192,771. 2 Claims. (Cl. 214-41.)

1. In combination, a bin provided with a discharge chute having a downwardly inclined floor, a vertically swinging gate closing against said floor, a catch device rigid with said gate and extending horizontally therefrom, a scale car, a hopper carried thereon, a reversible, longitudinally extending shaft mounted on said scale car above said hopper on the side remote from said gate, a motor

capable of driving said shaft in either direction, a reciprocable jaw member having vertically spaced jaws adapted to engage said catch device, a vertical guide frame for said jaw member rigidly mounted on said car in close proximity to said gate, an arm fixed to said jaw

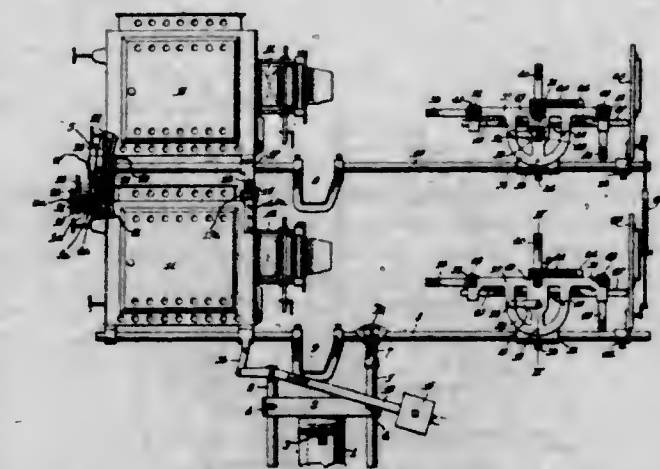


member, said arm being curved upwardly and rearwardly to a point substantially above said shaft, a crank on said shaft having a throw equal to the vertical movement of said bin gate, and means operatively connecting said crank and said arm.

1,738,940. PROCESS FOR PREPARING SLIMES DERIVED FROM WET WASHING OF GAS FOR SINTERING. ARTHUR J. BOYNTON, Winnetka, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1927. Serial No. 229,280. 1 Claim. (Cl. 75-65.)

The process of preparation for sintering of sludge recovered from blast furnace gases by wet cleaning, which consists in complete drying by application of heat and subsequent moistening.

1,738,941. LIGHT-PROJECTING MACHINE. JOSEPH W. BRENKERT and KARL BRENKERT, Highland Park, Mich. Filed Feb. 15, 1926. Serial No. 88,372. 6 Claims. (Cl. 88-24.)

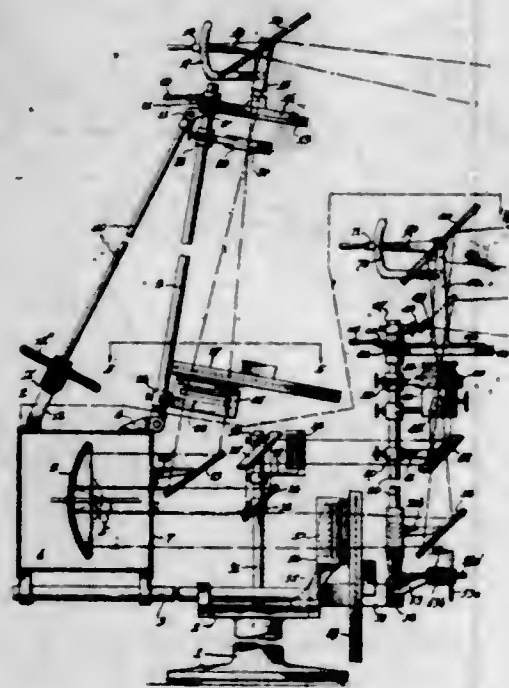


1. A light projecting machine comprising upper and lower frames, upper and lower lamp housings on the rear ends of said frames with the lower lamp housing between said frames, a pivotal connection between said lamp housings, and a scenic housing on each lamp housing with said frames formed with wells affording operative clearance for the scenic housings.

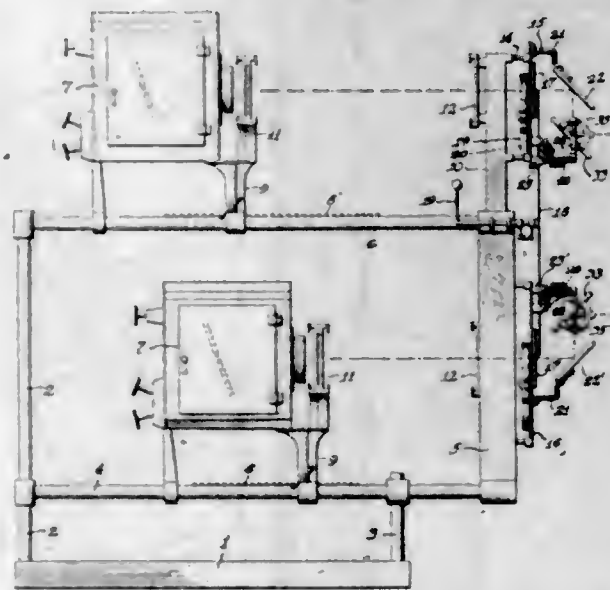
1,738,942. PROJECTION APPARATUS. KARL BRENKERT and JOSEPH W. BRENKERT, Detroit, Mich. Filed Apr. 9, 1928. Serial No. 268,663. 5 Claims. (Cl. 88-24.)

1. In a projector, a light source, projecting reflectors adapted for direction towards a common general area, pri-

mary reflectors adapted to divide a beam issued from said source, one of said primary reflectors being directed towards one of the projecting reflectors, means for supporting an effect device between the last named primary and projecting reflectors, a secondary reflector directed

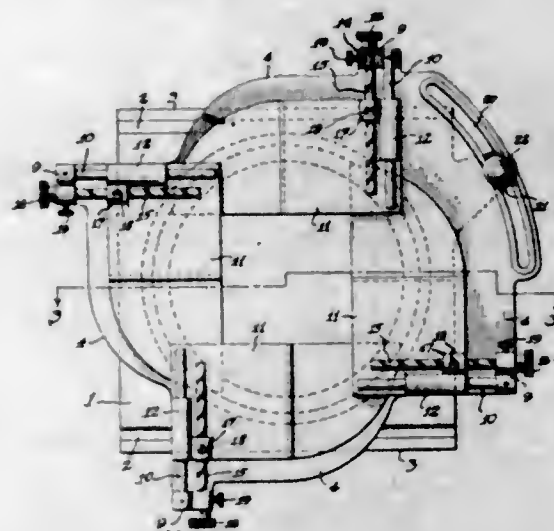


1,738,944. PROJECTION APPARATUS. KARL BRENKERT and JOSEPH W. BRENKERT, Detroit, Mich. Filed Nov. 1, 1928. Serial No. 310,393. 14 Claims. (Cl. 240-3.)



1. A projection apparatus comprising a reflector, and a pair of projecting reflectors adapted to be moved selectively into and out of the path of said reflector.

1,738,945. FRAMING SHUTTER. KARL BRENKERT and JOSEPH W. BRENKERT, Detroit, Mich. Filed Nov. 1, 1928. Serial No. 310,394. 7 Claims. (Cl. 240-3.)



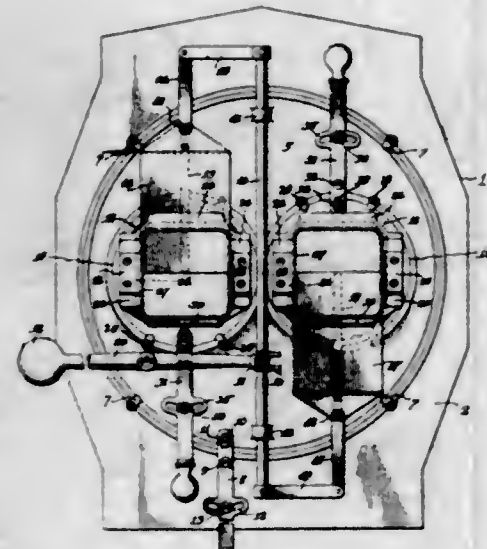
1. A framing shutter comprising a plate adapted to be removably inserted in the path of a beam of light, a frame having a swivelled mounting on said plate, a plurality of shutter blades slidably supported by said frame, means for locking said blades in adjusted position, and means for adjusting said frame angularly with reference to said plate.

1,738,946. PROCESS FOR TREATING FABRICS. EDWARD S. CHAPIN, Plainfield, N. J., and ABEL H. JACOBY, Ashby, Mass., assignors to The Deltex Company, a Corporation of Massachusetts. Filed Dec. 15, 1927, Serial No. 240,241. Renewed May 14, 1929. 5 Claims. (Cl. 8-5.)

1. The process of aging vat color printed or dyed fabric by reduction in an atmosphere of steam vapor which comprises passing the fabric continuously through an atmosphere of steam vapor, and causing the excess heat given off by the action of heat and moisture upon the fabric and dyes

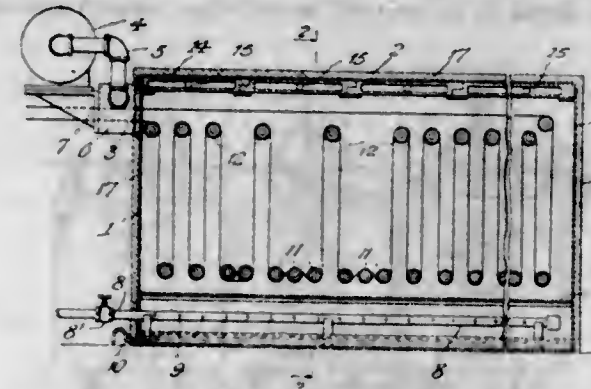
towards the other projecting reflector, the remaining primary reflector being directed towards said secondary reflector, and means for supporting a stereopticon slide in the path of the beam division entering the remaining projecting reflector.

1,738,943. STEREOPTICON PROJECTOR. JOSEPH W. BRENKERT and KARL BRENKERT, Detroit, Mich. Filed Apr. 9, 1928. Serial No. 263,664. 3 Claims. (Cl. 88-26.)



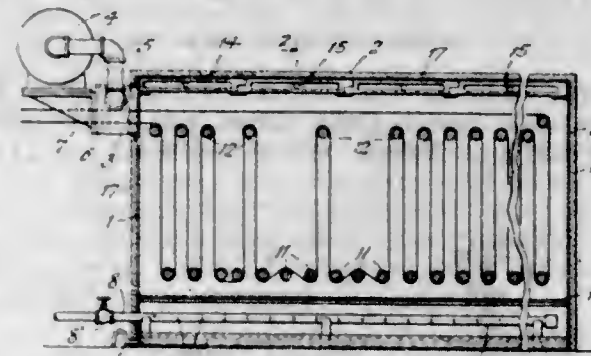
1. A stereopticon projector comprising a housing having a front wall, slide holders mounted on said front wall, a rod slidably mounted on the wall, a shutter slidably in one of said holders through one end thereof, another shutter slidably in the other holder through the opposite end thereof, and connecting means between each of said shutters and the corresponding end of said rod.

to be dissipated by a more rapid circulation of the over-heated vapor in the immediate vicinity of the surfaces of



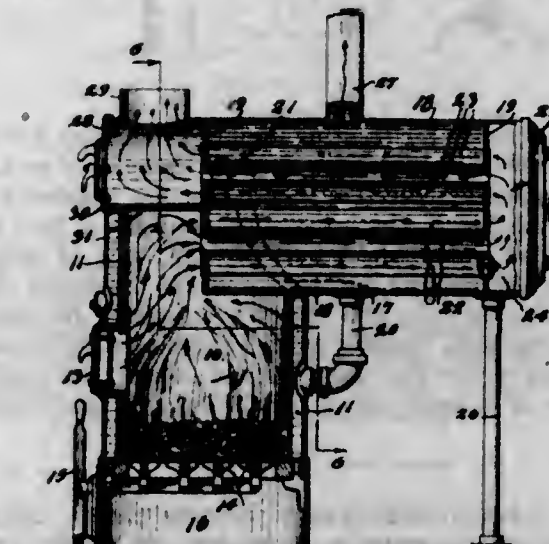
the fabric where the generation of heat is more intense than elsewhere and supplying saturated steam in place thereof.

1,738,947. APPARATUS FOR TREATING FABRICS. EDWARD S. CHAPIN, Plainfield, N. J., and ABEL H. JACOBY, Ashby, Mass., assignors to The Deltex Company, a Corporation of Massachusetts. Original application filed Dec. 15, 1927, Serial No. 240,241. Divided and this application filed Nov. 6, 1928. Serial No. 317,633. 4 Claims. (Cl. 8-15.)



1. Apparatus for aging printed or dyed fabric in an atmosphere of steam vapor, comprising, a casing forming a substantially closed chamber, series of rolls therein over which printed or dyed fabric is passed, means for supplying heat to said chamber to produce the requisite chemical reactions, means for supplying moisture to said chamber, and means causing a circulation of the moist vapor, said rolls being spaced apart by greater distances at the intermediate portion of said chamber than at the rear portion thereof.

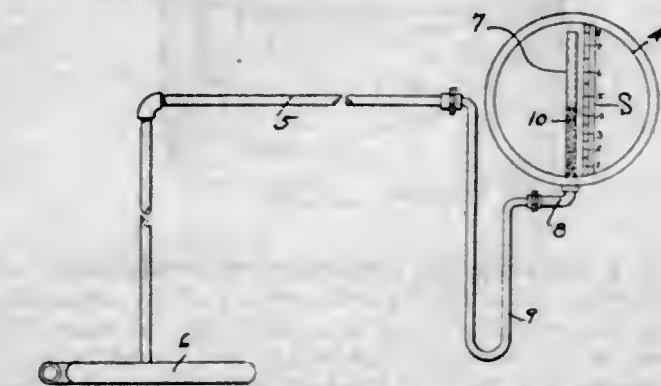
1,738,948. WATER HEATER. VICTOR W. DASHAW, Ogdensburg, N. Y. Filed Apr. 25, 1928. Serial No. 272,795. 1 Claim. (Cl. 122-73.)



In a water heating system, the combination of a vertical, cylindrical fire box having a water jacket formed therearound and a horizontal, cylindrical boiler having tubes held between opposite heads, a gas chamber at the

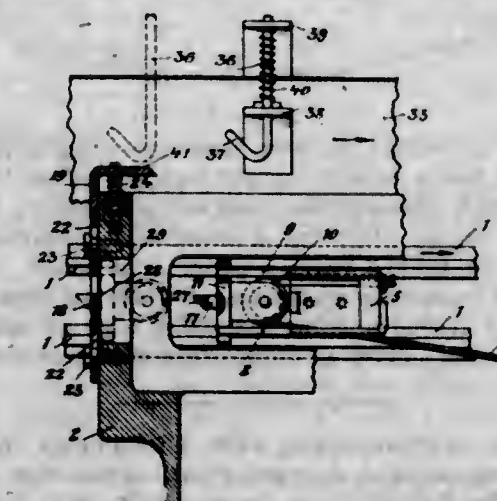
rear end of said boiler and a smoke box formed on the forward upper portion of said boiler, a rearwardly inclined saddle in the upper rear portion of said fire box for supporting one end of the boiler and for allowing a portion of the forward lower half of the boiler to extend into the fire box, the smoke box being arranged to extend over the top forward portion of the fire box, a vertical standard for supporting the other end of the boiler, the bottom of the smoke box constituting a top closure for the fire box for dividing the boiler tubes into a circulating series, a return connection for the heating system located in the lower portion of the water jacket of the fire box, connections between the top of the water jacket and the upper portion of the boiler and between the bottom of the boiler and the lower portion of the water jacket for effecting circulation between said water jacket and boiler, and an outlet at the top of said boiler for allowing heated water to be conducted through the heating system.

1,738,949. LIQUID-LEVEL INDICATOR. GORDON P. ENGLISH and JULIUS H. BUCKER, San Francisco, Calif., assignors, by mesne assignments, to American Research and Development Company, a Corporation of Delaware. Filed Nov. 9, 1922. Serial No. 599,822. 5 Claims. (Cl. 73-54.)



5. In combination with a liquid receptacle, a depth measuring apparatus comprising a pressure indicating device and a conduit, said conduit being operatively connected to said device and extending to and into said receptacle and having an open end at a point adjacent the low liquid level therein, said conduit including a substantially horizontally arranged coil adjacent the low liquid level of said receptacle, said coil being of relatively small internal cross sectional area whereby liquid entering the same forms a meniscus to normally prevent the liquid in the conduit from flowing past the air therein.

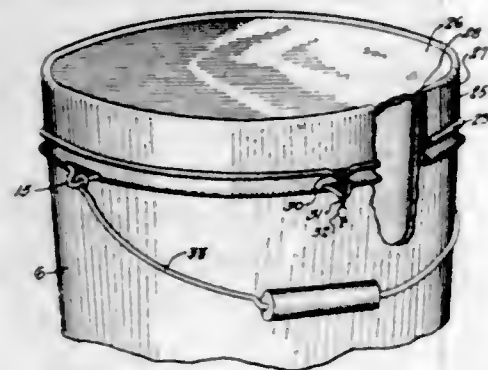
1,738,950. ESCAPEMENT MECHANISM FOR TYPE-WRITERS. BEN ZION GOLDENBERG, Alexandria, Egypt, assignor to Rheinische Metall-Waaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany, a Corporation of Germany. Filed Sept. 21, 1927, Serial No. 220,987, and in Germany Sept. 25, 1926. 12 Claims. (Cl. 197-82.)



1. In a type writing machine having a plurality of type systems of opposite writing directions: a machine frame,

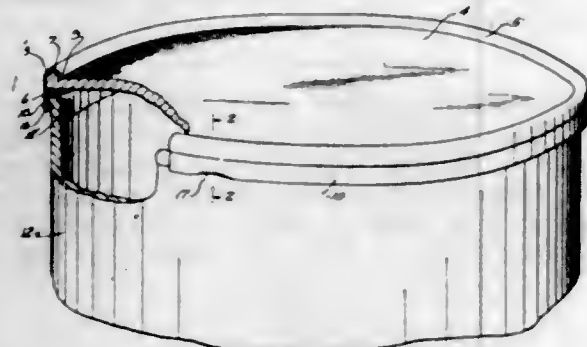
a paper roller carriage adapted to run thereon, a carriage feed mechanism comprising a spring-actuated drum, a pull member one end of which is attached to said drum and the other end of which is attached to the carriage, a removable support laterally abutting on said carriage at a point beside the point of attachment of said pull member and remote from said drum, a pulley mounted on said support, said pull member leading over said pulley, a second abutment for said support arranged on the machine frame horizontally opposite to said first abutment, means for automatically attaching said support to said second abutment if the carriage is in its corresponding end position, and means for releasing this attachment.

1,738,951. CONTAINER. EDWIN F. HULBERT, Milwaukee, Wis., assignor to The Master Package Corporation, Owen, Wis., a Corporation of Delaware. Filed Dec. 23, 1925. Serial No. 77,287. 5 Claims. (Cl. 229-5.7.)



1. In a container, the combination with the siding, of a reinforcing metal band for the mouth of the container, said band extending over the top edge of the container and crimped to both sides thereof and having a channel portion intermediate its ends provided with slots, and a ring member seated within said channel provided with loops projecting through said slots.

1,738,952. CONTAINER. EDWIN F. HULBERT, Owen, Wis., assignor to The Master Package Corporation, Owen, Wis., a Corporation of Delaware. Filed Apr. 4, 1928. Serial No. 267,242. 4 Claims. (Cl. 229-5.7.)

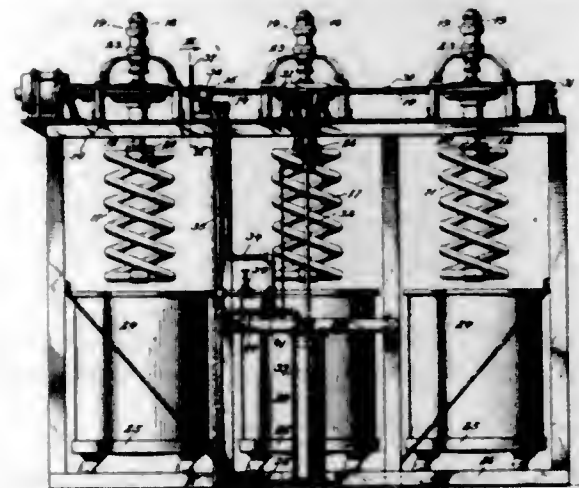


1. In a container, a cover structure comprising a fibre head disk, and a reinforcing and head-attaching band having a folded, intermediate portion forming an inwardly extending flange providing a cover and container mouth seat and an arched portion above said flange, said disk having its outer edge portion upset into and substantially filling said arched portion, the outer edge of said arched portion having embedded engagement with said disk.

1,738,953. APPARATUS FOR TREATING LIQUIDS. AAGE JENSEN, Los Angeles, Calif. Filed Nov. 9, 1926. Serial No. 147,244. 11 Claims. (Cl. 257-104.)

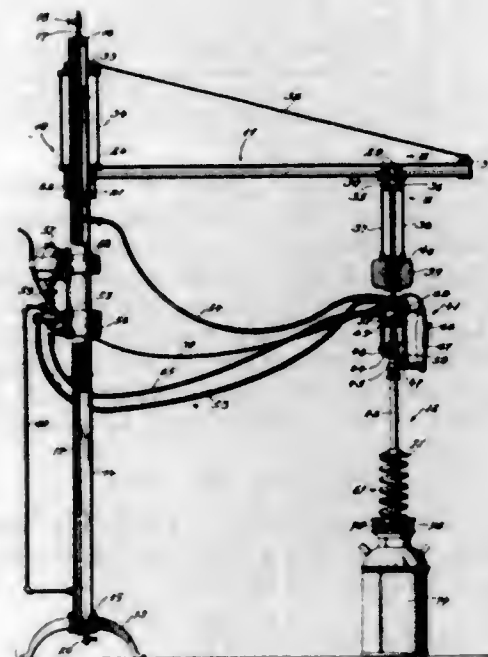
4. An apparatus for treating liquids, comprising a plurality of rotating coils arranged in an elevated position and

spaced laterally apart, means for circulating a treating medium through said coils, a platform to support containers for the liquid to be treated, in position beneath the coils,



means for raising and lowering the platform to bring the containers and coils into operative relation, and means for advancing the containers from a position beneath one coil to a position beneath the next adjacent coil.

1,738,954. LIQUID-TREATING APPARATUS. AAGE JENSEN, Los Angeles, Calif. Filed June 6, 1927. Serial No. 196,775. 4 Claims. (Cl. 257-104.)

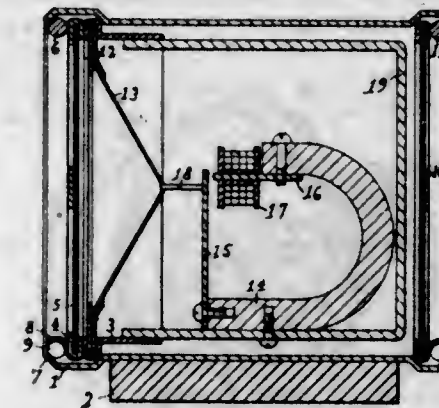


2. An apparatus for treating liquids, comprising a stand, a horizontally disposed arm carried thereby, a rotating member supported therefrom, said rotating member being helical and being formed of a tube, whereby a fluid may circulate throughout the length of the helix, a tubular supporting and driving member by which the rotary member is suspended from the rotary arm, means for raising and lowering said member with relation to its support, driving means for the member, and means for creating circulation of a heat transfer fluid through said rotating member.

1,738,955. LOUD-SPEAKER. ALFRED EDWIN JORDAN, Murray, and NATHANIEL BALDWIN, East Mill Creek, Utah. Filed Aug. 27, 1926. Serial No. 181,898. 8 Claims. (Cl. 181-31.)

1. An acoustic device comprising a diaphragm and a flexible but substantially inelastic mounting for said dia-

phragm surrounding said diaphragm and having its internal edge divided to form a recess to receive the edge of said

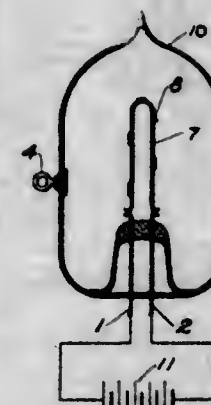


diaphragm the width of said mounting being such that a considerable area of the undivided portion thereof is not under lateral restraint.

1,738,956. PROCESS OF HARDENING ALBERENE STONE. PAUL MAHLER, New York, N. Y., assignor to Alberene Stone Co., New York, N. Y., a Corporation of New York. Filed Feb. 26, 1927. Serial No. 171,369. 8 claims. (Cl. 25-157.)

1. A process of hardening a piece of natural stone of the soapstone type containing a group of silicates and water of composition consisting in subjecting the piece of stone to a temperature only sufficiently high to volatilize the water of composition of the group of silicates, and then maintaining the said temperature practically constant until substantially all the water of composition of the said group of silicates is volatilized.

1,738,957. PHOTO-ELECTRIC TUBE. HERBERT E. METCALF, San Leandro, Calif., assignor to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed Apr. 16, 1923. Serial No. 632,570. 1 Claim. (Cl. 250-27.5.)

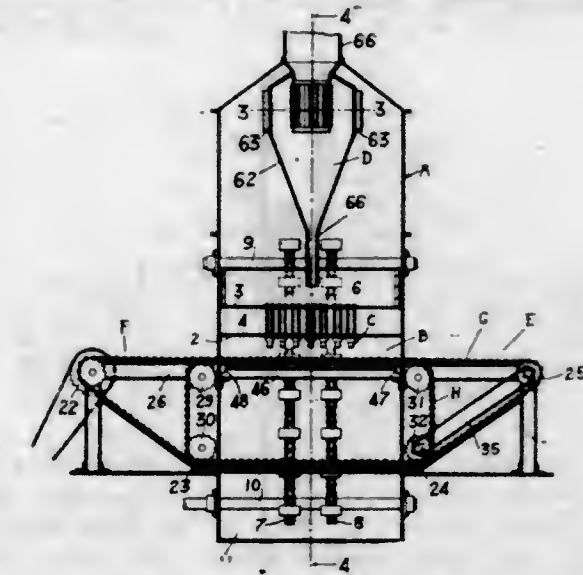


In a two-electrode vacuum tube having an evacuated vessel and double terminal anode, the latter having deposited thereon a volatile material sensitive to the action of light, the step of heating the anode to cause the volatile material to be vaporized and deposited in the form of a sensitive film upon the inner wall of the vessel, whereby to form a light sensitive cathode.

1,738,958. SAND-BLASTING MACHINE. HARRY A. MULVANY and HARRY E. KENNEDY, Berkeley, Calif. Filed May 17, 1923. Serial No. 689,513. 8 Claims. (Cl. 51-14.)

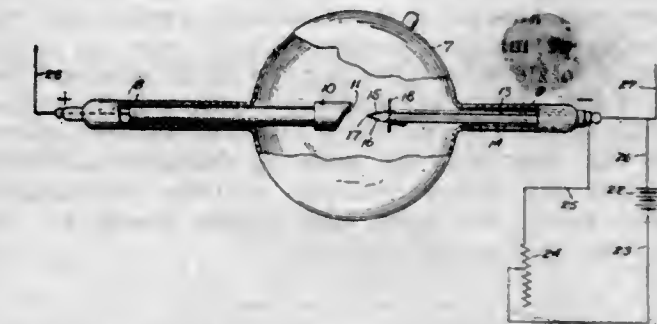
8. In a machine of the character described, an endless conveyor, rollers on the conveyor adapted to support

articles to be cleansed; means for imparting longitudinal movement to the conveyor; and means for rotating



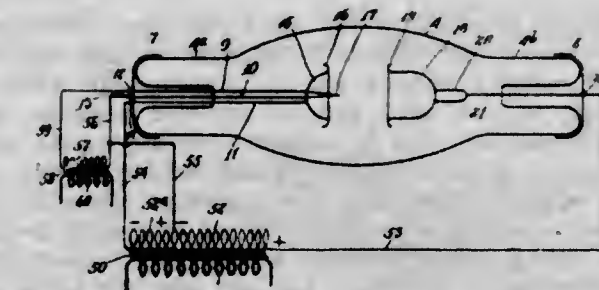
the rollers during such longitudinal movement of the conveyor so that the article supported thereby will rotate in the direction of travel of the conveyor.

1,738,959. VACUUM-TUBE DISCHARGE DEVICE. ARTHUR MUTSCHELLER, New York, N. Y. Filed May 13, 1922. Serial No. 560,545. 4 Claims. (Cl. 250-35.)



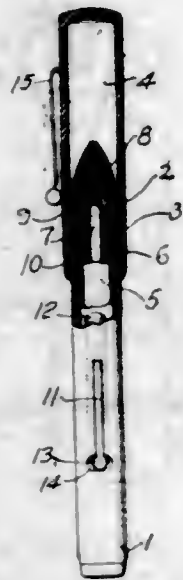
4. In a discharge device the combination with a highly evacuated vessel of an anode with a great active area and a filamentary cathode having portions extending to a point where the heating is a maximum compared to said extending portions, the discharge device being designed to carry a current which is equal to the n th power of the voltage applied where n is a constant depending upon the apex angle of the filamentary cathode.

1,738,960. VACUUM DISCHARGE DEVICE AND METHOD OF USING THE SAME. ARTHUR MUTSCHELLER, New York, N. Y. Filed Mar. 30, 1926. Serial No. 98,457. 2 Claims. (Cl. 250-34.)



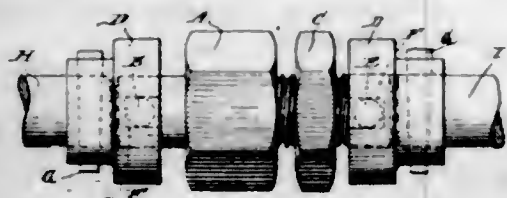
1. The method herein described of assisting the thermionic emission between an anode of relatively large size and a cathode of small size having a sharp edge, which consists in subjecting the cathode to the double effect of a repellant negative electrostatic field from a region behind the cathode, and an attractive positive electrostatic field, from said anode of relatively large size upon said sharp edge of said cathode, for the purpose of producing an attenuated negative electrostatic field in front of said cathode.

1,738,961. POCKET SYRINGE. SAMUEL NEER, Milwaukee, Wis. Filed Feb. 28, 1929. Serial No. 343,378. 1 Claim. (Cl. 128-233.)



A device of the character described comprising an elongated barrel-like casing having an open end, a syringe bag received within said casing, a plug removably engaged in said open end of the casing and with the mouth of said syringe bag, the outer end portion of said plug being flanged and adapted to have abutting engagement with the adjacent marginal portion of said open end of the casing, a nozzle removably engaged with the outer end portion of said plug, a cap engageable over said nozzle and with an adjacent portion of the casing having its normally outer end open, said cap being of elongated barrel-like formation and having a nozzle receiving compartment formed within the same, and closure means for the open outer end of the cap.

1,738,962. MAGNETO COUPLING. GUSTAVO NEVEU, Santiago, Chile, assignor to Bernardo Luchsinger, Santiago, Chile. Filed Nov. 29, 1926, Serial No. 151,533, and in Chile Sept. 26, 1926. 1 Claim. (Cl. 64-90.)

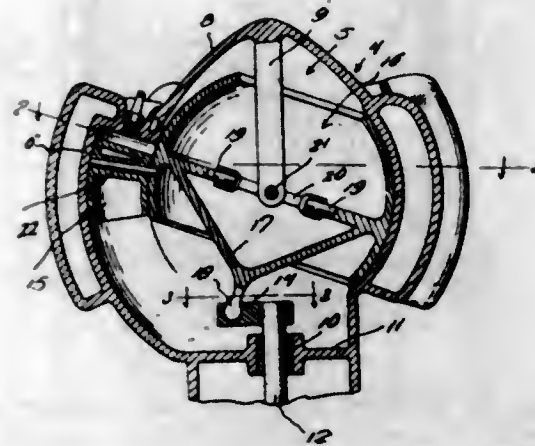


A flexible coupling of the class described, comprising a main nut, a bolt threadedly engaged in said nut and provided with a locking nut for engagement with the main nut to lock said bolt in adjusted position, said main nut and said bolt being each provided at the outer end with an extension having cylindrical lugs which project in opposite directions and abutment elements each arranged to receive and secure one end of a shaft member therein, said abutment elements having bores to receive the said extensions of the main nut and bolt and being also provided with recesses to receive the said lugs of said extensions so that said abutment members are connected to said main nut and bolt for angular movement with respect thereto.

1,738,963. MECHANICAL MOVEMENT. STANLEY L. NORTON, Ypsilanti, Mich. Filed July 30, 1928. Serial No. 296,135. 2 Claims. (Cl. 74-14.)

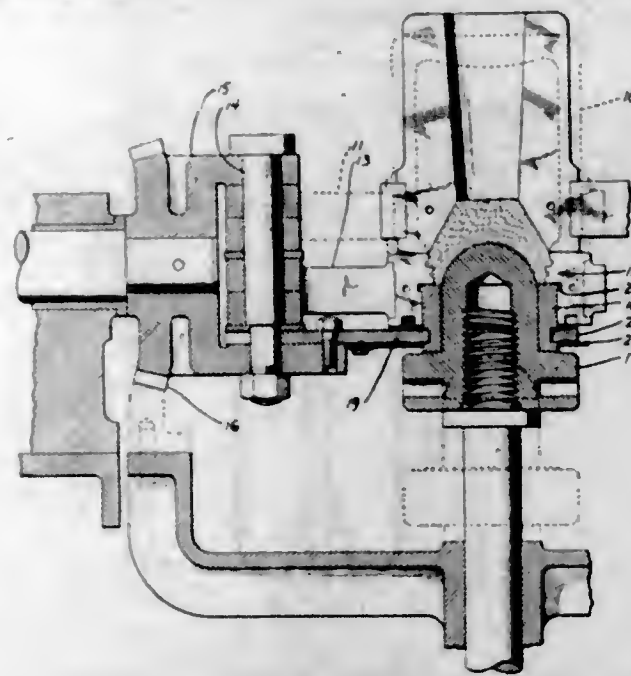
1. In a structure of the class described, a casing embodying a centralized spherically segmental shaped portion

defining an actuator chamber, circumferentially spaced cylinders surrounding said chamber and in open communication therewith, a rotary power shaft mounted in the casing and provided with a crank arm, a hanger in said chamber in alignment with said shaft, a segmentally



shaped spherically oscillating actuator in said chamber having universal connection with said hanger and eccentric ball and socket connection with said crank arm, peripheral pintles on the actuator extending into the cylinders, and pistons slidable in the cylinders and mounted for movement on said pintles.

1,738,964. MOLD FOR FORMING GLASS VESSELS. HAROLD J. RAYNES and FRANK J. DENNING, San Francisco, Calif., assignors to Illinois-Pacific Glass Corporation, San Francisco, Calif., a Corporation of California. Filed Aug. 16, 1926. Serial No. 129,406. 2 Claims. (Cl. 49-65.)

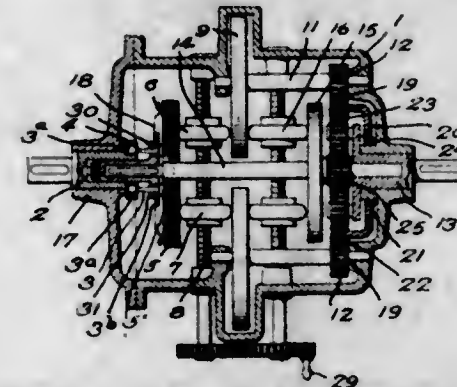


1. A mold for forming glass vessels, comprising hinged sections for the body and neck of the vessel held in inverted position, a plunger co-operating with the mold sections to enter the neck thereof, a one-piece closing ring between the neck mold sections and the plunger to form a seat for the rim of the vessel, a stationary support for said closing ring, said stationary support comprising a forked arm fitting into a groove in the ring, and a spring latch for retaining the ring in the forked member.

1,738,965. VARIABLE-SPEED TRANSMISSION. GIAN BATTISTA RINA, Legnano, Italy. Filed Feb. 13, 1929, Serial No. 339,703, and in Italy Jan. 2, 1928. 3 Claims. (Cl. 74-34.)

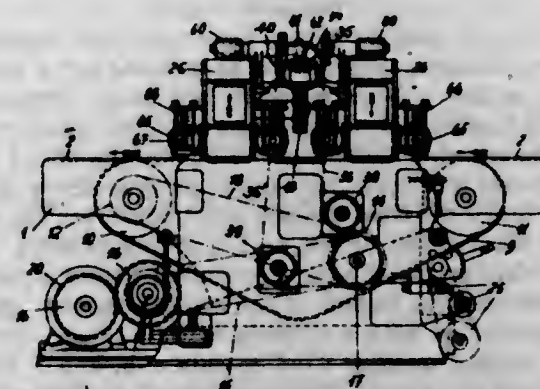
1. A variable speed transmission comprising a casing, a driving shaft in said casing, a second shaft in said

casing in alignment with said driving shaft having a pair of spacedly disposed friction discs and a sun gear arranged thereon, coupling means connecting said shaft to the driving shaft, a pair of shafts in said casing arranged parallel to and intermediate of said friction discs, each having a pair of adjustable friction discs thereon adapted to frictionally engage the discs on the shaft connected to the driving shaft, a second pair of parallel shafts in said casing disposed parallel to the driving shaft each



having a gear thereon and a friction disc arranged parallel to the friction disc on the shaft driven by the driving shaft and each disposed intermediate of and engaging a pair of the adjustable friction discs engaging the discs on the shaft driven by the driving shaft, and an orbit gear driven by the gears disposed on the pair of shafts arranged parallel to the driving shaft, planetary gears connected to said driven shaft and meshing with the orbit gear and the sun gear.

1,738,966. MACHINE FOR SCORING WOODEN BOARDS. PETER RÜTTIMAN, Sr., Siebnen, and FAITZ HOLZSCHEITER, Zurich, Switzerland, assignors to Maschinenfabrik Kessling A.-G., Leipzig, Germany. Filed Oct. 13, 1927. Serial No. 226,002, and in Germany Oct. 14, 1926. 3 Claims. (Cl. 144-186.)

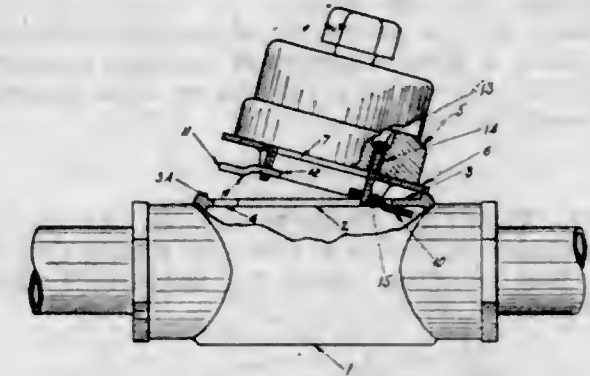


1. In a machine of the class described, the combination of means to feed the work in one direction, tool carrying means arranged to move a tool across the work in a direction at an angle to that of the movement of the work so that the movement of the tool across the work is diagonal to the movement of the tool and also diagonal to the direction of movement of the work, said tool carrying means being an endless chain comprising plates flexibly connected together and each plate being provided with a shoe to move over the surface of the work and with a tool carried by said plate.

1,738,967. POWDERED DETERGENT. SAMUEL S. SADTLER, Philadelphia, Pa. Filed Dec. 10, 1927. Serial No. 239,264. 3 Claims. (Cl. 87-5.)

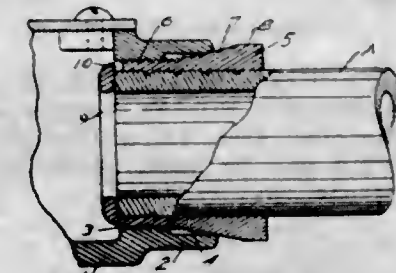
1. A detergent composed of bentonite, infusorial earth and sulphated oil, said infusorial earth moistened with said oil and the particles of said moistened earth being coated with said bentonite.

1,738,968. DEVICE FOR SECURING ELECTRIC APPLIANCES TO CONDUIT BOXES. HOWARD A. SELAH, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1925. Serial No. 53,483. 2 Claims. (Cl. 247-20.)



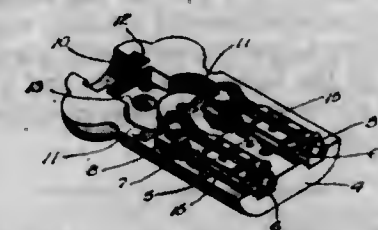
1. In a device for securing electric appliances having screw openings to conduit boxes, the combination of an attaching plate on the one side of which the appliance is placed, said plate having radially extending slots; opposing and relatively moving clamping lugs on the opposite side of the plate and spaced from the plate to permit the clamping engagement of an inserted flange; screws adapted to engage an appliance, said screws extending through the slots and into the lugs; and guide ways on the inner side of the plate of a width to slidably engage the lugs and prevent their turning and of a depth permitting the adjustment of the lugs toward and from the plate to accommodate the thickness of an inserted flange.

1,738,969. CONDUIT FITTING. HOWARD A. SELAH, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1926. Serial No. 105,150. 11 Claims. (Cl. 247-25.)



1. In a conduit fitting, the combination of a body having an opening therein; a contractible sleeve having an axial slot and an exterior wedging surface engaging the walls of the opening, said sleeve having an internal shoulder on which is formed a continuous annular interior leading-in surface at its smaller end; and means forcing the sleeve into the opening to contract the same.

1,738,970. CONNECTER SOCKET FOR ELECTRIC PLUGS. THEODORE C. SMITH, Philadelphia, Pa. Filed Sept. 3, 1921. Serial No. 498,345. 7 Claims. (Cl. 173-332.)

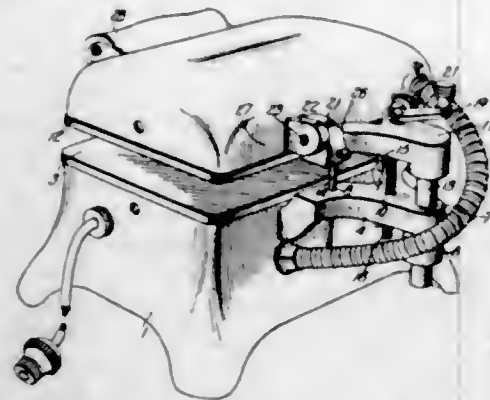


1. A jack-receiving socket, one side of which comprises a stationary contact element having flanges respectively positioned on opposite sides, another side of said socket having a pair of floating non-bending contact elements respectively provided with flanges positioned in close proximity to said first-mentioned flanges, and means for resiliently securing said contact elements in operative relation.

1,738,971. PROCESS AND CATALYST FOR SYNTHESIS OF METHANOL. HENRY HERMAN STORCH, New York, N. Y., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Aug. 2, 1927. Serial No. 210,215. 13 Claims. (Cl. 260-156.)

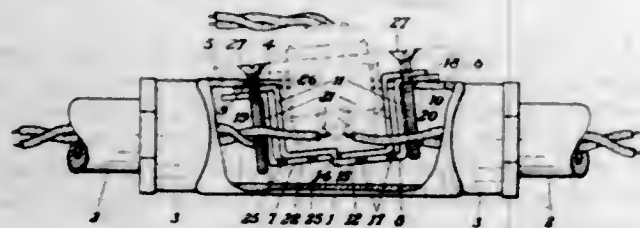
5. Process for the production of methanol which comprises passing a gaseous mixture of hydrogen and carbon monoxide in contact with a hot catalyst mass comprising copper, magnesia and silica.

1,738,972. TOASTER. EARL M. STRADER, Kansas City, Mo., assignor to Charles A. Lemaster, Kansas City, Mo. Filed Mar. 19, 1928. Serial No. 262,871. 7 Claims. (Cl. 53-5.)



1. In a toaster including a support, a cover, and means for heating the support and the cover, means adjustably spacing the cover from the support comprising lateral brackets on the support and the cover, a screw threaded in the support bracket and rotatable in the cover bracket, and guide posts fixed to the cover bracket and slidable in the support bracket.

1,738,973. ATTACHING DEVICE FOR OUTLET BOXES. ELMER J. S. SWANSON, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Mar. 23, 1927. Serial No. 178,830. 4 Claims. (Cl. 247-20.)

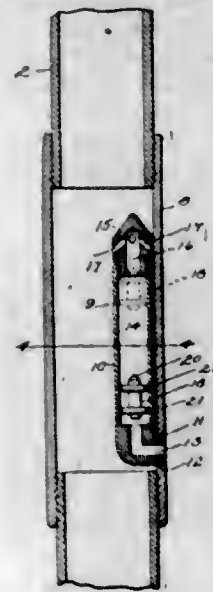


1. In an attaching device for outlet boxes, the combination of two telescopically connected plates, one end of each plate being superimposed by the other and superimposing the other plate at the opposite end, each plate having its superimposing end slotted and the end being superimposed provided with a screw-threaded opening, the screw-threaded openings being below the slots, said plates having their central parts in the form of U-bends and the ends having the slots and screw-threaded openings extending laterally from the U-bends.

1,738,974. OIL-WELL FLOWING AND PUMPING APPARATUS. JAMES W. TAYLOR, San Antonio, Tex., assignor to Economy Pump and Oil Tool Company, a Corporation of California. Filed Nov. 7, 1925. Serial No. 67,660. 4 Claims. (Cl. 103-233.)

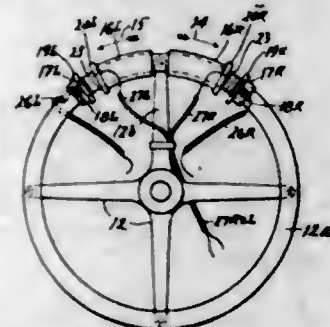
1. In oil well pumping apparatus, a nozzle arranged vertically in a flow line, said nozzle comprising a barrel having a longitudinally extending valve chamber provided therein, said barrel having the ends thereof provided with

restricted passages, one of said passages establishing communication between said chamber and said flow line and



terminated in an outwardly and downwardly extending portion, and a check valve arranged for longitudinal movement within said chamber to open and close said passages.

1,738,975. SIGNAL-CONTROL FOR AUTOMOBILES. CLARENCE H. TWETTEN, Round Lake, Minn., assignor of one-third to Alexander M. Hudson, Round Lake, Minn. Filed Mar. 24, 1923. Serial No. 627,301. 4 Claims. (Cl. 177-337.)



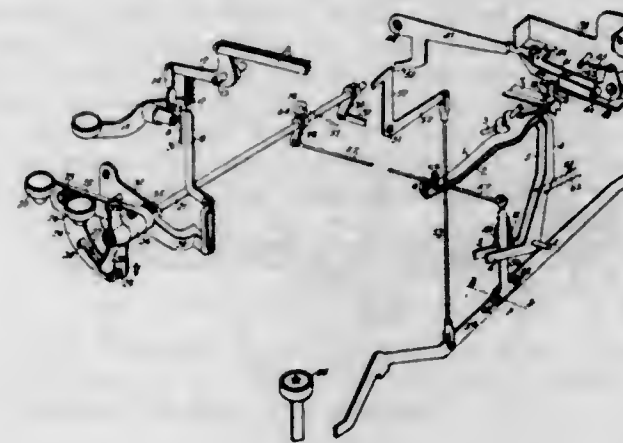
1. An electric contact device for automobile signal controlling mechanisms adapted to be located on a steering wheel in position to be actuated by the hands turning said wheel, said mechanism comprising an electric contact point fixed on the wheel, a slidable sleeve on the rim of the wheel and an electric contact point carried by said sleeve and arranged to touch the fixed contact point whenever the sleeve is pushed toward the latter, and a spring tending at all times to hold the sleeve with the contact points separated.

4. An automobile signal circuit closing device comprising in combination with a steering wheel having a rim and spokes, a contact member fixed to said rim, and a contact member carrying sleeve slidably mounted on said rim between one of the spokes and said fixed contact member, said spoke serving as a stop for said sleeve, spring means continuously tending to separate said contact members and hold said sleeve against said spoke, said sleeve being adapted to be moved away from said spoke to engage the contact members by the movement of an operator's hand after grasping the sleeve and rim in turning the wheel to turn the automobile in a given direction, and an insulating boot enclosing the fixed and movable contact members.

1,738,976. PROCESS FOR FIREPROOFING CELLULOSE. FERNANDO SOMOZA VIVAS, Los Angeles, Calif., assignor to International Fireproof Products Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 11, 1927. Serial No. 174,638. 3 Claims. (Cl. 91-68.)

1. The process of treating cellulose which comprises impregnating the material with boric acid, borax, ammonium sulphate and sodium tungstate, then treating the impregnated substance with calcium chloride.

1,738,977. COMPUTING MACHINE. SIGURD L. WALSOE, Lyndhurst, N. J., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 9, 1928. Serial No. 253,114. 3 Claims. (Cl. 235-39.)



1. The combination with a cross totalizer and printing mechanism including a rock shaft which controls the color of the printing; of clearance proof mechanism for said totalizer including a clearance signal printing key controlled as to operativeness by the clear state of said totalizer, two types to print different clearance signs, a link connected with said key and shiftable laterally into position to connect with one or the other of said types, and a transverse link directly connecting said rock shaft with said laterally shiftable link.

1,738,978. DYEING OF ORGANIC DERIVATIVES OF CELLULOSE. WILLIAM WHITEHEAD, Cumberland, Md., assignor to Celanese Corporation of America, a Corporation of Delaware. Filed Dec. 11, 1928. Serial No. 154,311. 17 Claims. (Cl. 8-5.)

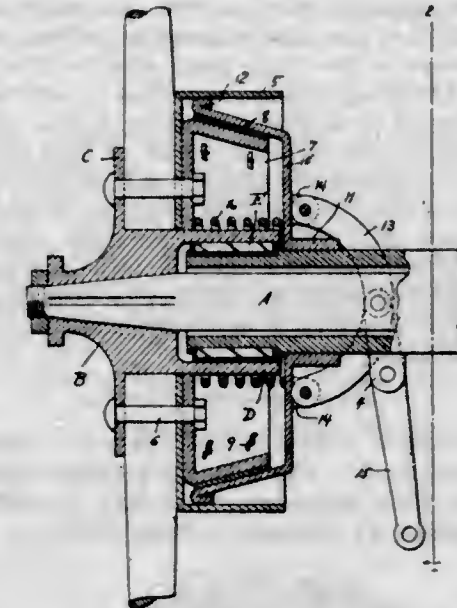
1. A process of dyeing organic derivatives of cellulose which comprises treating an organic derivative of cellulose with a water insoluble dyestuff dissolved in an organic solvent.

1,738,979. BOAT. WILLIAM ADELMANN, City Island, N. Y.; Alice Adelmänn and William D. Spörborg executors of said William Adelmänn, deceased. Filed Oct. 24, 1928. Serial No. 314,672. 13 Claims. (Cl. 115-34.)



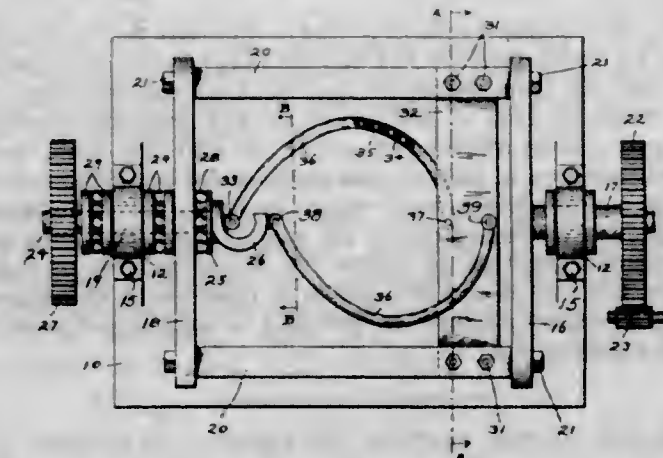
13. In apparatus of the class described the combination of a forward float structure, a rear float structure, side frame members extending longitudinally of the apparatus and projecting beyond the forward end of the forward float structure and the rear end of the rear float structure, means for detachably securing the side frame members to the float structures, bumper mechanism attached to the outer ends of said side frame members and extending transversely of the apparatus, cross tie members detachably secured to the side frame members, a motor carried by the rear of said cross tie members, a seating compartment intermediate the two sets of float structures detachably secured to the said side frame members, and mechanism operable from the control compartment for effecting bodily movement of said motor to guide the apparatus in its forward movement.

1,738,980. BRAKE. LADYSLAWS ANDRZEJEWSKI, South Bend, Ind. Filed Nov. 17, 1928. Serial No. 320,121. 7 Claims. (Cl. 188-71.)



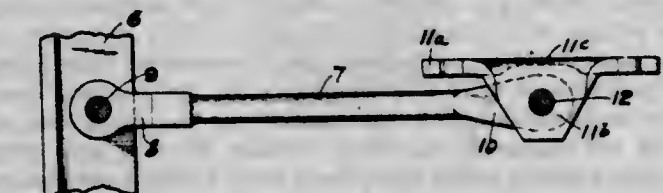
1. A brake comprising, a wheel carried shell, a drum within the shell, said drum and shell being arranged in radially spaced relation, and a braking element adapted for wedging engagement between said shell and the drum.

1,738,981. MECHANICAL MOVEMENT. EMILE BACHELET, Poughkeepsie, N. Y. Filed Dec. 13, 1927. Serial No. 239,625. 3 Claims. (Cl. 64-89.)



1. A mechanical movement, comprising in combination with a rotating member, a pair of flexible shafts having one of their ends rigidly secured to said member and adapted to travel therewith but have no individual axial rotation, one of said shafts acting as a driver through torsion during the clockwise rotation of the rotating member, and the other shaft acting as a driver through torsion during the counter-clockwise rotation of the rotating member.

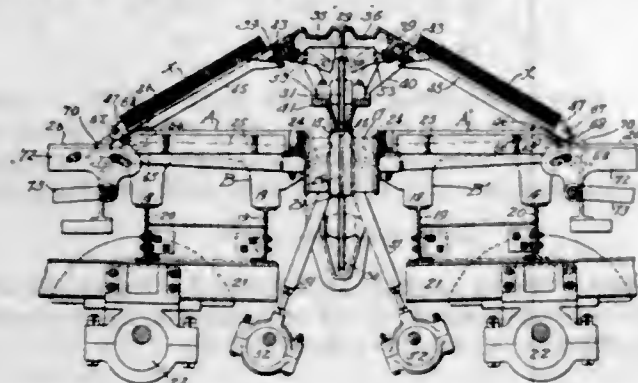
1,738,982. BOILER BRACE. JAMES G. BLUNT, Schenectady, N. Y. Filed May 3, 1926. Serial No. 106,214. 6 Claims. (Cl. 122-493.)



1. In combination with a diagonal stay rod for boilers formed from a single piece of stock, comprising an intermediate portion; a fork forged at one end of the rod integral with the said portion, provided with a pair of

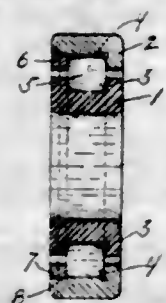
registering orifices disposed transversely of the fork for the reception of a pivot pin; and a flattened portion formed at the opposite end of the rod integral with the said intermediate portion, provided with an orifice disposed transversely of the flattened portion, for the reception of a pivot pin, parallel to the said registering orifices, whereby the rod may move in the same plane about either end as a center; of a bracket pivotally connected to said flattened portion, of integral structure comprising a base plate for connection with the boiler; and a pair of lugs projecting from the plate, disposed one on each side of the flattened portion, having orifices registering with the orifice of the flattened portion, said plate being provided with a depressed portion between the lugs opposite the flattened portion, whereby the end of the rod may be disposed nearer to the boiler wall to which it is secured; and a pivot pin in the said registering orifices.

1,738,983. HOTBED FOR ROLLING MILLS. RUFUS R. BOLT, Buffalo, N. Y.; Annie F. Bolt administratrix of said Rufus R. Bolt, deceased. Filed Mar. 10, 1927. Serial No. 174,351. 24 Claims. (Cl. 80—42.)



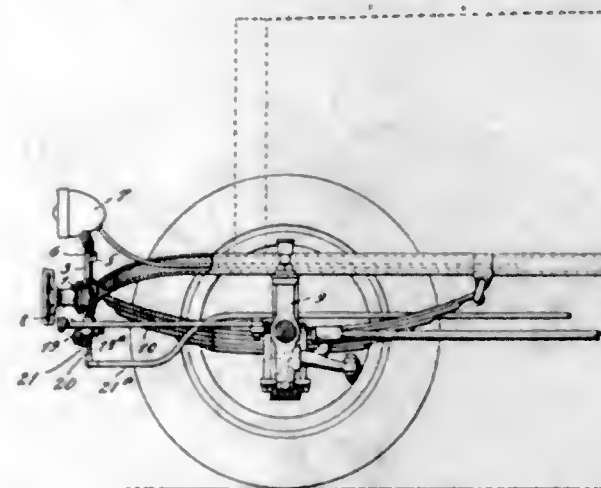
24. The combination of a lower hot bed for a rolling mill, an upper inclined hot bed arranged above said lower hot bed and terminating at its discharge side adjacent to the discharge side of said lower hot bed, troughs for conducting rolled products to either of said hot beds, and means common to both of said hot beds for removing rolled products therefrom, said upper inclined hot bed being adapted to be swung out of its operative position into an inoperative position in which the discharge side of said upper hot bed is out of operative relation to the lower hot bed, whereby either hot bed may be used in connection with a rolling mill.

1,738,984. ANTIFRICTION BEARING. ALEXANDER T. BROWN, Syracuse, N. Y. Filed May 26, 1922. Serial No. 563,979. 3 Claims. (Cl. 308—213.)



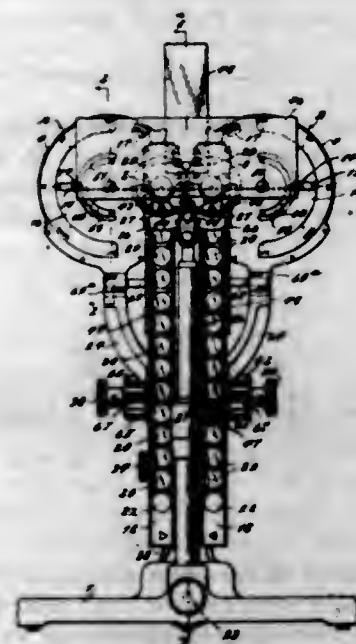
1. An antifriction bearing comprising inner and outer continuous unsplit members formed with opposing annular channels forming a raceway, one of said channels being open at one of its lateral sides, antifriction members in the raceway and a continuous unsplit retaining ring fitted into engagement with the member with the channel open at one side constituting the closure for the open side of one of the channels, opposing annular faces of said ring and said member being complementally tapered outwardly toward the outer sides of the raceway member and in such direction that the ring is insertable from the outer side of said member, such tapered surfaces being formed with interlocking shoulders arranged to ratchet into engagement with each other as the ring is pressed into position.

1,738,985. AUXILIARY LAMP. LOUIS DE L. CAMMANN, Brandon, Vt. Filed June 18, 1928. Serial No. 286,122. 1 Claim. (Cl. 240—62.)



In an auxiliary lamp for motor vehicles, a clamp for attachment to a vehicle, a substantially vertical sleeve carried by said clamp for rotation and axial movement, means for limiting the axial movement, a lamp pivoted to the upper end of said sleeve, a plunger having an enlarged lower end disposed in said sleeve and operative to engage said lamp and tilt said lamp upon its pivot, a spring surrounding said rod between the upper end of said sleeve and said enlarged portion of said plunger, said spring serving to urge said plunger toward the lower end of said sleeve, a collar secured to the lower end of said sleeve and a lever pivoted to said collar said lever having a portion contacting with the lower enlarged end of said rod, whereby said lamp may be tilted by actuating said lever.

1,738,986. KRATOMETER. HANS CLEMENT, New York, N. Y., assignor to General Optical Co., Inc., a Corporation of New York. Filed June 18, 1926. Serial No. 116,771. 27 Claims. (Cl. 88—22.)



17. An ophthalmological apparatus having, in combination, a support, a manually rotatable disc mounted on the support carrying an arcuate series of prisms any one of which may be brought into the line of sight, rotatable holders for mounting a plurality of the prisms on the disc to provide for axially rotating these prisms on the disc, a gear carried by each of these holders, a manually rotatable master gear engaging all of the holder gears, and releasable means for holding the master gear stationary at a plurality of rotative positions thereof, whereby said rotatable prisms will be axially rotated when the

disc is rotated and also when the master gear is rotated thereby to bring these prisms to a desired axial position at the line of sight.

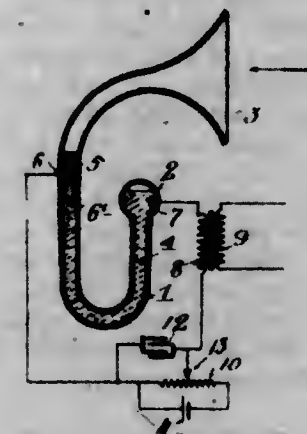
27. An ophthalmological apparatus having, in combination, a rigid main support, a pair of stationary members mounted upon the main support for unitary vertical adjustment and individual lateral adjustment, a pair of slides guided respectively for independent sliding movement on said members and each slide carrying a longitudinal series of prisms any one of which may be brought into the line of sight of the eye at that side, and a pair of independently rotatable discs mounted respectively upon said members and each carrying an arcuate series of prisms any one of which may be brought into the line of sight to cooperate with one of the prisms in the slide.

1,738,987. EXERCISING DEVICE. VINCENT DATILO, New York, N. Y. Filed Dec. 21, 1928. Serial No. 327,659. 3 Claims. (Cl. 272—79.)



1. In an exercising device of the class described, a base including side and end walls, and a bottom, guides extending inwardly from the upper edge portion of the side walls, a platform arranged for slidable movement on the base, said platform including a frame, rollers secured on the bottom of the frame for engagement with the bottom of the base, additional rollers secured on the upper face of the frame for engagement with the bottom faces of the respective guide members, a human body supporting platform secured on the frame for disposition above the guide members, retractile coil springs connected at one end to the rear end portion of the base, and at their opposite ends to the adjacent end of the frame for normally holding the movable carriage adjacent the rear end portion of the base, and means whereby the occupant of the platform can move the carriage forwardly on the base against the tension of the retractile coil springs.

1,738,988. SOUND ACTUATED AND PRODUCING DEVICE. LEE DE FOREST, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation, a Corporation of Delaware. Filed Oct. 29, 1926. Serial No. 144,976. 4 Claims. (Cl. 179—133.)



1. In a sound reproducing device of the type described, an elongated container having a relatively small cross section, said container having an enlarged conical portion at one end forming a horn, two liquids of different density in surface contact in said container at least one of said liquids being open to the atmosphere through said conical portion, a terminal in each liquid and means for

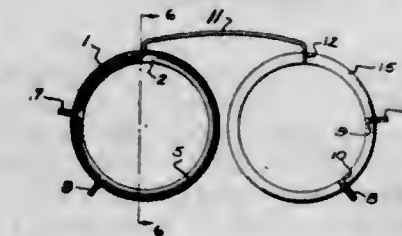
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impressing varying electrical currents on said terminals to produce sounds in accordance with the varying electrical currents causing physical displacement of the liquids in said container whereby the atmosphere in contact therewith is subjected to rarefactions and compressions.

1,738,989. MANUFACTURE OF METHYL ALCOHOL. HENRY DREIFUS, London, England. Filed May 27, 1926. Serial No. 112,162, and in Great Britain June 13, 1925. 7 Claims. (Cl. 260—156.)

1. A process for the manufacture of methyl alcohol, comprising subjecting a gaseous mixture containing hydrogen and carbon monoxide in about equi-molecular proportion to the action of heat and pressure in the presence of a catalyst consisting solely of zinc oxide.

1,738,990. AUXILIARY LENS ATTACHMENT FOR GLASSES. LOUIS DUNKELBERG, New York, N. Y. Filed July 12, 1927. Serial No. 205,078. 7 Claims. (Cl. 88—41.)



1. An auxiliary lens device comprising lens supporting means, including lens rims and a connecting member for said rims secured to one of said rims and secured to and extending in a groove circumferentially in the other of said rims, and means for securing said device to eye glasses extending from the circumferentially extending part of said connecting member.

1,738,991. MANUFACTURE OF DOUBLE-WALLED VACUUM RECEPTACLES. COLIN G. FINK and JOHN R. BEERS, New York, N. Y., assignors to The American Thermos Bottle Company, Norwich, Conn., a Corporation of Maryland. Filed Nov. 24, 1925. Serial No. 71,207. 19 Claims. (Cl. 91—70.1.)



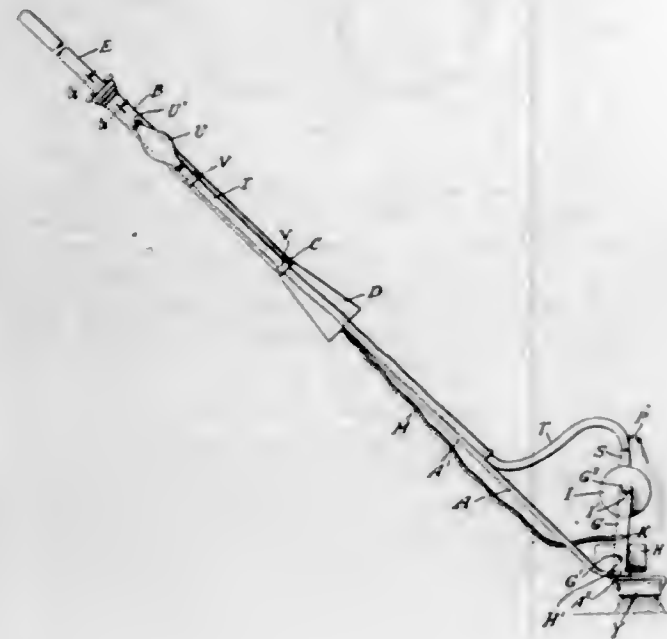
3. In the manufacture of vacuum receptacles in which an inner and an outer container of glass are spaced by a vacuum chamber, the process of coating the walls of said chamber with a mirror-like surface adapted to minimize the loss of radiant heat from the inner container, which consists in placing a coil of metallic wire around the

inner container, said wire being closed upon itself to form a short-circuited secondary coil of one or more turns, exhausting the space or chamber between the two containers to the required vacuum, and inductively subjecting said wire coil in the evacuated chamber to the action of high-frequency currents generated in an electric circuit outside of said vacuum chamber until the metal of the wire is vaporized and deposited on the surrounding walls in a substantially uniform mirror-like film.

1,738,992. COMBINED FILLER AND STAIN. EARL D. FLOOD, Cleveland, Ohio. Filed Oct. 31, 1925. Serial No. 66,095. 1 Claim. (Cl. 134-49.)

A combined filling and staining material consisting of powdered silica, suspended in a starch solution, together with glue as a binder, a non-alkaline preservative, and a coloring material.

1,738,993. CLEANING DEVICE. PAULINE GRAYSON, New York, N. Y. Filed Sept. 24, 1927. Serial No. 221,652. 3 Claims. (Cl. 15-116.)



1. A cleaning device comprising a frame and a handle, a mop and a drainage receptacle mounted on said frame, and means for expressing fluid from said mop into said receptacle.

1,738,994. METHOD OF FORMING SPIRAL CONVEYERS. OTTO N. GREDELL, Kansas City, Mo. Filed Feb. 17, 1927. Serial No. 169,043. 11 Claims. (Cl. 29-148.)

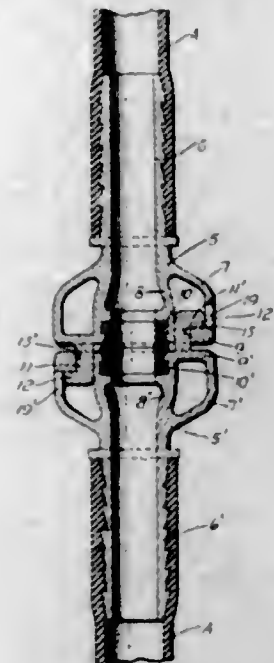


1. A method of producing a spiral of slitted rings including welding the opposite ends of complementary slitted rings together to form a continuous ribbon having continuous plane faces and passing the ribbon through a die to confer the pitch of the spiral.

1,738,995. METHOD OF MAKING AND REPAIRING PRINTING ROLLERS. CLARENCE HAMER, Illon, N. Y., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed July 24, 1925. Serial No. 45,936. 11 Claims. (Cl. 18-58.)

1. The improved process for forming printing rollers comprising the use of a liquid composition capable of forming a yielding and elastic substance when solidified and having a relatively low melting point; placing the liquid composition in a mold; rotating the latter to decrease the number of air pockets or bubbles; cooling the composition; and then applying steam to the periphery of the cooled roller whereby the composition will be partly melted to fill in the crevices or indentations appearing on the surface.

1,738,996. HOSE COUPLING. PETER J. HAMILTON and LEON F. MEUNIER, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 17, 1927. Serial No. 175,995. 1 Claim. (Cl. 285-67.)

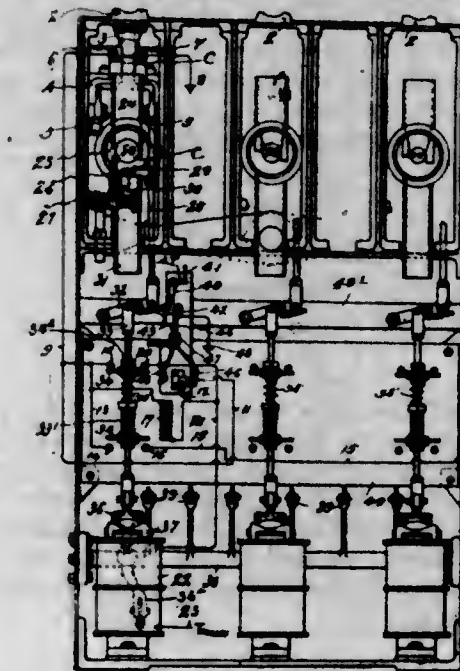


A coupling member adapted to be used in duplicate to connect a conduit, said member having a portion to be secured to the conduit and a bell shaped hollow terminal having a transverse end wall, an arcuate locking lug projecting axially from said wall and having an outwardly overhanging portion providing a cam surface terminating in a latching projection, said wall having a slot to receive a similar lug on a duplicate member, the slot having a reduced portion to enable the overhanging portion of the lug to engage the inner face of said wall, said wall providing a cam surface and a depression to cooperate with the cam surface and projection on the lug, said terminal having an opening in its outer wall adjacent the restricted portion of said slot to permit visual inspection of the inner face of said transverse wall.

1,738,997. HOLDING-CIRCUIT MEANS. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed Mar. 28, 1927. Serial No. 178,911. 12 Claims. (Cl. 194-6.)

1. The combination with a raceway and a pair of fixed coin contacts arranged to support a coin above the raceway of a circuit including a magnet, said circuit being

open at said contacts, means operated by said magnet for wiping a coin from said contacts and means operated by

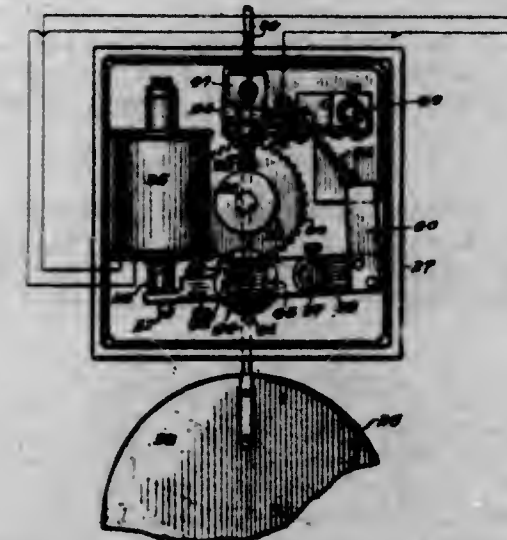


said first means for maintaining said magnet energized for a predetermined period after the coin has been wiped from said contacts.

1,738,998. PROCESS OF MANUFACTURING ACID-PROOF AND WATERPROOF BLACK INK. JINKICHI INOUE, Sendai, Miyagi-Ken, Japan. Filed June 9, 1925. Serial No. 36,020. 4 Claims. (Cl. 134-28.)

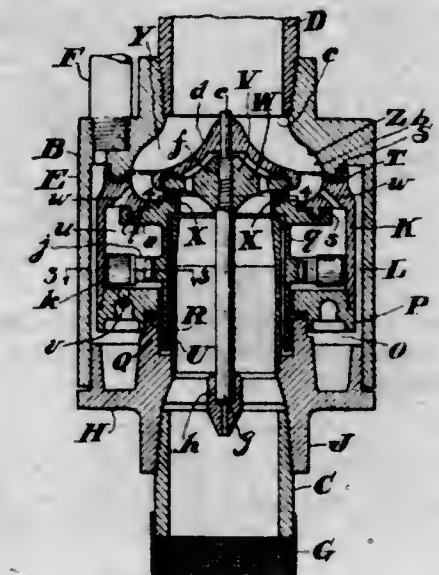
2. The process of manufacturing ink, which consists in adding nitric acid to dinaphthylene-di-oxide and heating the mixture to produce a tetra-nitro-derivative in the form of crystals, dissolving said crystals in sulphuric acid, treating the solution to produce a precipitate, and dissolving said precipitate in ammonia.

1,738,999. MOTION-PICTURE MACHINE. WILLIAM P. JEANES and CHRIS DAIMER, Philadelphia, Pa. Filed July 6, 1927. Serial No. 203,094. 5 Claims. (Cl. 88-17.)



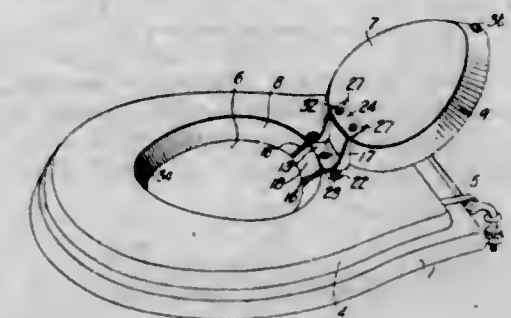
1. A light intercepting attachment for motion picture machines and the like including a motor controlling switch, a shaft spaced from the switch and having a member movable into and out of engagement with the switch by the rotation of the shaft to operate the switch, a douser mounted on and adapted to automatically rotate the shaft, a second shaft geared to the first shaft, a clutch connected with the second shaft for holding the said shafts against rotation, and means for operating the clutch to release the shafts.

1,739,000. PUMPING UNIT. ALFREDO JORDAO, Jr., Sao Paulo, Brazil. Filed Mar. 15, 1928. Serial No. 261,873. and in Brazil Jan. 18, 1928. 5 Claims. (Cl. 103-5.)



1. A pumping unit for wells and the like, comprising a casing adapted to be connected to a discharge pipe, a motor chamber in the casing, a fluid actuated rotary motor in the motor chamber, an impeller on the motor for drawing liquid axially through the motor and the casing, and an annular discharge chamber for the motor and the impeller in which discharge fluid from the motor chamber and liquid issuing from the impeller intermingle to reduce the weight of the liquid during its passage through the discharge pipe.

1,739,001. TOILET SEAT. DAVID E. JUSTUS, Kansas City, Mo. Filed July 13, 1928. Serial No. 292,449. 5 Claims. (Cl. 4-235.)

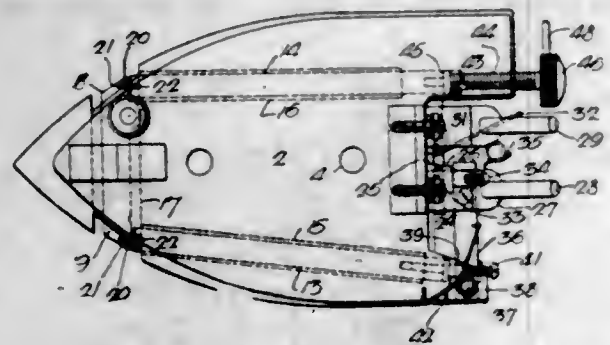


1. In a toilet device including a seat and a cover having a tapered opening, a lid having bevel edges for seating in said opening for support from the cover, and a hinge pivotally connecting the lid with the cover comprising a cover member including a body portion mortised in the cover and in integral arm extending from said body portion and secured to the cover, a lid member including a body portion mortised in the lid and an integral arm extending angularly from said body portion, and means pivotally supporting the lid arm from the arm of the cover member.

1,739,002. AUTOMATIC ECONOMIZER AND TEMPERATURE REGULATOR FOR ELECTRIC IRONS. WALTER L. KEEFE, Chambersburg, Pa., assignor to The Wolf Co., Chambersburg, Pa., a Corporation of Pennsylvania. Filed Feb. 18, 1924. Serial No. 693,655. 2 Claims. (Cl. 200-137.)

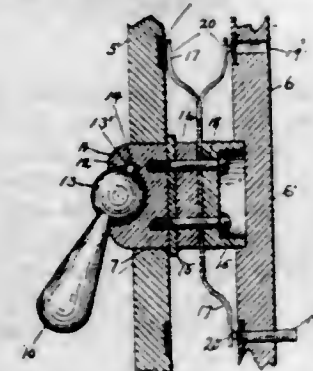
1. Thermostatic apparatus comprising a manually adjustable eccentric having a rotative movement only, an eccentric strap, a rod adapted to expand and contract, said eccentric strap being operatively associated with said eccentric and said rod, a switch comprising a movable switch

element adapted to be actuated by said rod when the latter has reached a predetermined degree of heat, a stationary



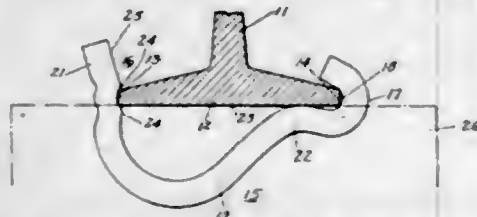
switch element cooperating with said movable switch element, and means for maintaining said switch elements in resilient engagement.

1,739,003. COMBINATION LOCK SWITCH. ADDISON R. KLINGENSMITH, Parnassus, Pa. Filed Dec. 6, 1927. Serial No. 238,069. 3 Claims. (Cl. 200-43.)



1. In combination with a lock of the character described, a rotatable plug provided with a spherical recess having an annular groove with a pocket, a loose lever having a spherical head with a radial projection operating within said recess, and a means for loosely holding the two parts together.

1,739,004. RAIL ANCHOR. CHRISTIAN KONOLD, Verona, Pa., assignor to Creepcheck Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1927. Serial No. 216,367. 3 Claims. (Cl. 238-330.)

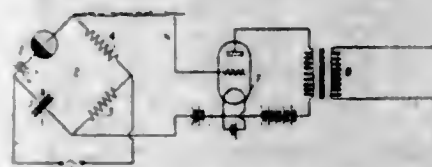


1. A rail anchor comprising a resilient yoke with one face adapted to lie against the tie and having a hump which when the anchor is in operative position contacts with the bottom of the rail-base to form a fulcrum, a jaw at one end for engaging one edge of the rail-base, and a springy upstanding end-portion at the other end whose inner face is adapted to engage the other edge of the rail when in operative position, said inner face having a substantially serpentine formation to provide a plurality of rounded humps any one of which is adapted to engage over the upper corner of the rail-edge to lock the anchor to the rail, for the purpose set forth.

1,739,005. CIRCUIT ARRANGEMENT FOR THE OPERATION OF PHOTO-ELECTRIC CELLS. AUGUST KAROLUS, Leipzig, Germany, assignor to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 10, 1927. Serial No. 225,065, and in Germany Sept. 29, 1926. 4 Claims. (Cl. 179-171.)

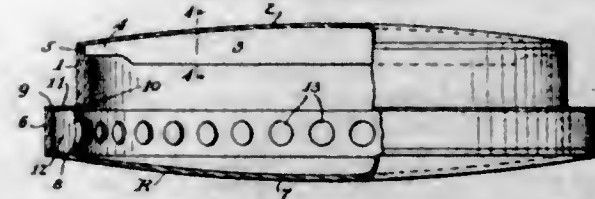
1. An arrangement for modulating a carrier frequency in accordance with variations in light intensity which in-

cludes, a bridge structure, a photo cell connected to form one leg of said bridge structure, a capacity forming a leg of said bridge structure adjacent said photo cell, said capacity being of the order of magnitude of the capacity of said cell electrodes for conditions of minimum illumination on said photo cell, and a plurality of resistors connected to form the other two legs of said bridge, means for applying a carrier frequency potential at opposite ends of the



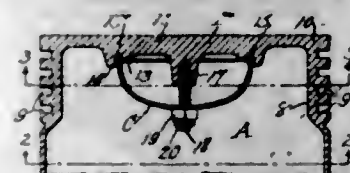
diagonal of said bridge structure between the point of connection of said cell and capacity at one end and the point of connection of the said resistors at the other end, so as to provide by said carrier frequency potential a source of anode potential for said cell, and means connected across the second diagonal of said bridge for amplifying said carrier frequency when modulated by light changes affecting said photo cell.

1,739,006. BANJO HEAD. WILLIAM L. LANGE, New York, N. Y. Filed May 4, 1926. Serial No. 106,869. 13 Claims. (Cl. 84-269.)



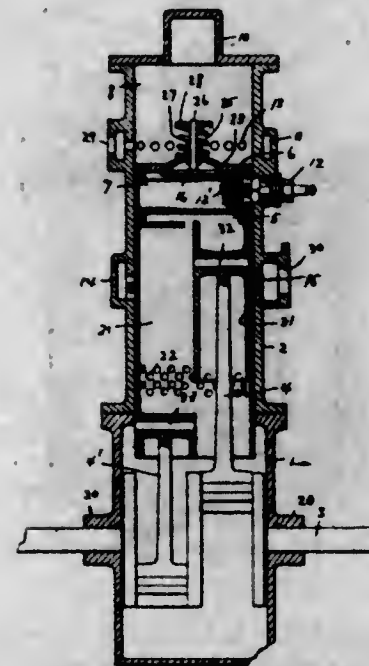
1. In a stringed musical instrument, in combination, a rim, a head on one end of said rim, and a resonator on the opposite end of the rim, said resonator including an outer side wall disposed in a plane parallel to and outwardly of the plane of the rim and an inner side wall parallel to the outer side wall and spaced away inwardly from the outer side wall and providing a resonating chamber between said walls, and a sounding board, said sounding board providing bottom closure for said chamber and bottom closure for the space enclosed by said inner side wall, said space communicating with the interior space of the rim, said inner side wall having means for passage of sound into the resonating chamber from said interior space of the rim and from said space enclosed by said inner side wall.

1,739,007. PISTON FOR INTERNAL-COMBUSTION ENGINES. ELWOOD T. LARKIN, Buffalo, N. Y., assignor to Charles A. Criegel, Buffalo, N. Y. Filed Mar. 21, 1927. Serial No. 176,997. 8 Claims. (Cl. 74-108.)



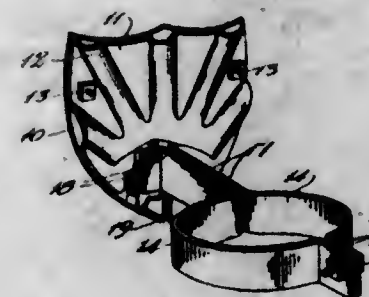
2. A piston for an internal combustion engine including a cylindrical wall and a head, and a guard of concave construction arranged substantially concentrically on the under face of said head and having its edge portions pressed toward said head at portions thereof remote from the middle portion of said head, whereby said edges are exposed to a lower temperature than the temperature of the middle portion of said head, said guard preventing lubricant from contacting with the middle portion of the under face of said head.

1,739,008. INTERNAL-COMBUSTION ENGINE. PETER LINDAHL and LAUREL DUNCAN, Rawlins, Wyo. Filed Mar. 1, 1928. Serial No. 258,296. 5 Claims. (Cl. 123-50.)



3. In an internal combustion engine of the two-cycle type, a pair of pistons one slidable within the other, one of said pistons formed with a semi-cylindrical skirt portion, means for igniting gas between the cylinder, the outer cylinder having a check valve in the head thereof openable inwardly and having a stem projecting outwardly from the first piston, a spring associated with the stem to normally hold the valve closed, a head on the cylinder with a projection to accommodate the stem, said cylinder being provided with an annular series of intake openings and an annular series of exhaust openings, the skirt of the first piston being provided with an annular series of openings to register with the exhaust openings.

1,739,009. FLAG HOLDER. CHARLES LORBER, Louisville, Ky. Filed Aug. 7, 1929. Serial No. 384,147. 3 Claims. (Cl. 248-37.)

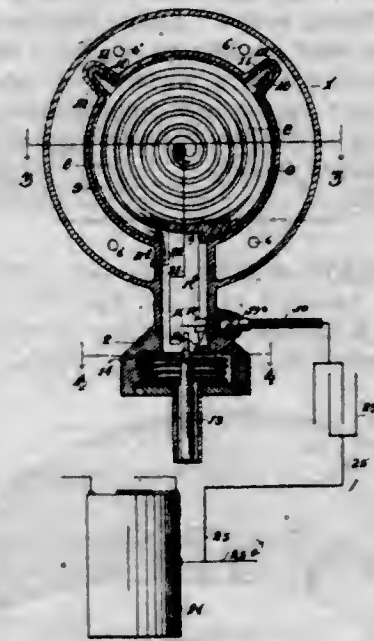


1. A flag holder consisting of a pair of plates provided with means to hold the staff of a flag therebetween in definite selected positions, one of said plates having a slot extending inwardly from a marginal portion, a bracket having an end portion adapted to fit in said slot and provided with oppositely extending flanges engaging between said plates on opposite sides of the slot, and clamp screws for drawing said plates together.

1,739,010. INDICATOR SYSTEM. MADISON P. MCCARTY, Dallas, Tex., assignor to one-half to Stanley R. Leeson, Dallas, Tex. Filed Feb. 15, 1926. Serial No. 88,800. 2 Claims. (Cl. 177-311.)

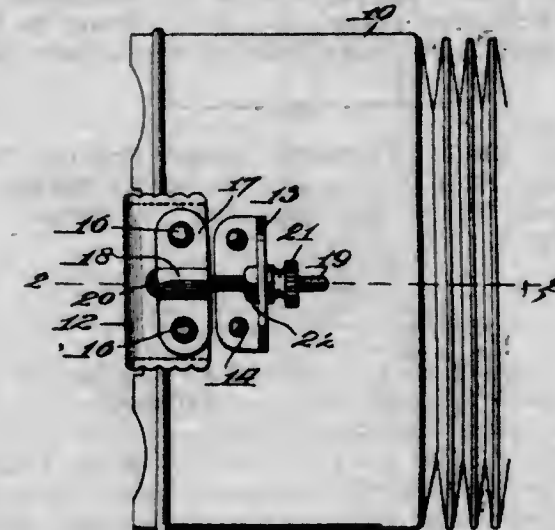
2. In an indicator system for motor driven vehicles, the combination of a temperature and firing indicator compris-

ing gas filled tubes, a housing in which said gas filled tubes are located, a thermostatic switch controlling the



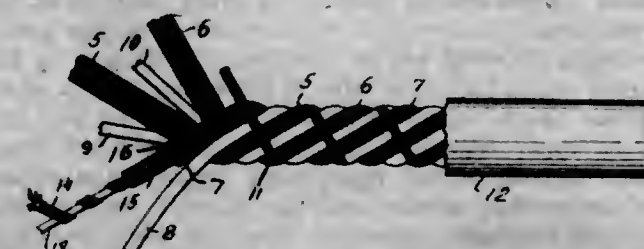
alternate energization of said gas filled tubes and means connecting said switch to the ignition system of the motor vehicle.

1,739,011. ACCORDION-STRAP ATTACHMENT. VICTOR MENEGHETTI, Los Angeles, Calif. Filed Dec. 12, 1928. Serial No. 325,510. 4 Claims. (Cl. 84-376.)



1. An accordion strap attaching and adjusting device comprising a bracket adapted to be positioned on the end of the accordion body, a plate secured to the end of the hand retaining strap of the accordion with which the device is associated, a screw connected to said plate and passing through said bracket, and a nut mounted on said screw for engaging said bracket.

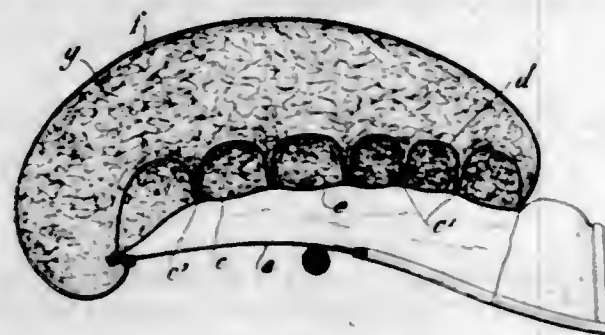
1,739,012. TELEPHONE PLUG CORD. WASHINGTON IRVING MIDDLETON, Watertown, Mass., assignor to Simplex Wire and Cable Company, Boston, Mass., a Corporation of Massachusetts. Filed July 25, 1928. Serial No. 295,331. 2 Claims. (Cl. 173-284.)



1. An improved telephone plug cord, consisting of a plurality of conducting elements and a plurality of filler ele-

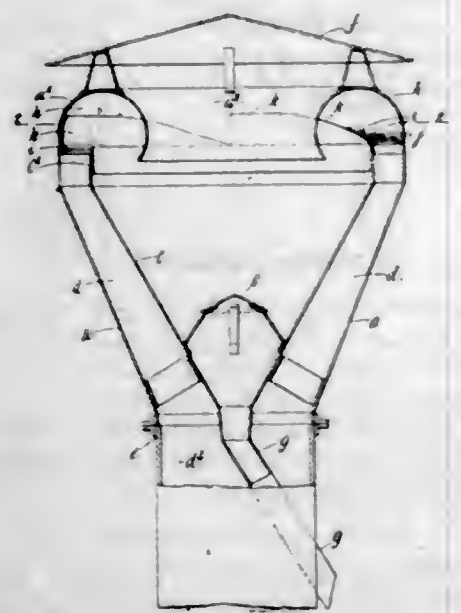
ments small with respect to the conducting elements spiralled together and encased in an outer jacket of elastic vulcanised rubber, said spiralled conducting elements and filler elements being bound together independently of the encasing jacket, said conducting elements each consisting of a non-conducting core, a plurality of conducting wires small with respect to the core wound thereon in a short spiral, a winding of non-conducting material thereover and an encasing braided jacket.

1,739,013. BOXING GLOVE. ROBERT J. MITCHELL, New York, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Mar. 22, 1928. Serial No. 263,895. 7 Claims. (Cl. 2—18.)



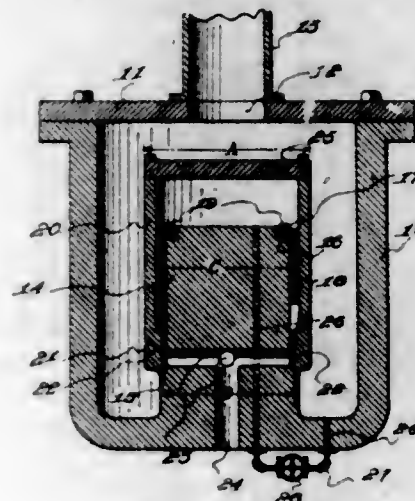
1. A boxing glove comprising inner and outer linings forming a finger portion, a thumb portion, an outer layer of retaining material over the inner lining to form a pocket for padding, an intermediate layer of retaining material within the pocket, padding between the intermediate material and the inner lining and means to secure the intermediate layer to the inner lining at intermediate points.

1,739,014. GRIT CATCHER. ALBERT PARKER, Tipton, England. Filed Oct. 25, 1927, Serial No. 228,539, and in Great Britain Oct. 27, 1926. 2 Claims. (Cl. 183—91.)



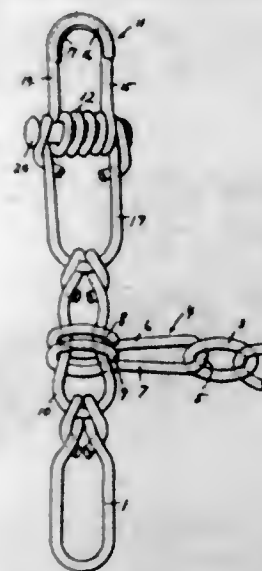
1. Grit catcher, combining a circular and vertical outer casing of cone shape closed at its upper end except for a depending central outlet, said casing being adapted at its lower end for attachment to a vertical pipe, a catcher member centrally disposed within the casing to project by its upper edge above the lower edge of the outlet and to leave an annular space between itself and said casing and between its upper edge and the outlet, a horizontal ring including spaced, curved vanes fixed between the upper edge of the catcher member and the opposite walls of the casing, and vertically arranged diverting walls between the upper edge of the catcher member and the inner diameter of the ring of vanes, said walls crossing some of the vanes.

1,739,015. VALVE. PASQUALE PASCALE, New York, N. Y., assignor to Dri-Steam Valve Corporation, a Corporation of Delaware. Filed Aug. 28, 1926. Serial No. 132,281. 6 Claims. (Cl. 137—139.)



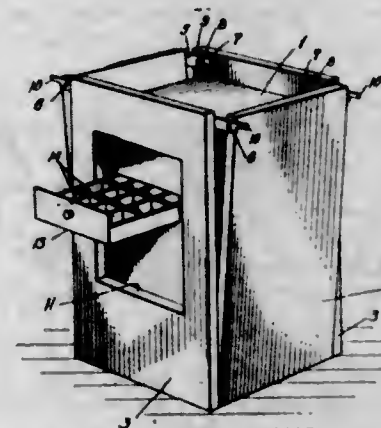
1. In a valve, a casing, a boss fixed within said casing and having its free end constituting a piston, the boss being provided with a peripheral valve seat spaced from the free end and above the fixed end, said seat being of lesser outside diameter than the diameter of the piston, a cylinder fitting said piston and having one end closed and the remaining end formed to seat on the operative portion of the said valve seat, and means to admit fluid under pressure to the space in the cylinder above the piston.

1,739,016. ANTISKID CHAIN. SAMUEL IVAN PETERS, Tucson, Ariz. Filed July 6, 1928. Serial No. 290,745. 1 Claim. (Cl. 24—237.)



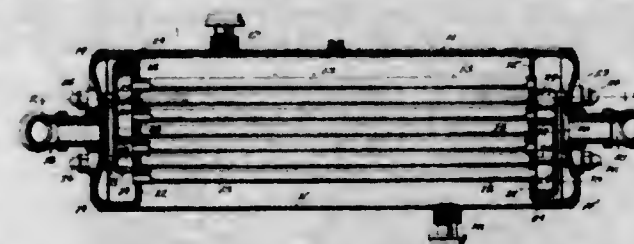
A chain fastener of the class described comprising a snap hook formed from a single length of spring wire having its intermediate portion coiled and with its ends extended parallel from opposite ends of the coiled portions and terminating in opposed hooks, cooperating to form a loop with the hooks yieldably retained in closed overlapping relation by the coil, a pin extended through the coil having heads at each end, and a link formed of a single length of wire having its intermediate portions formed into a loop and having its end secured to opposite ends of said pin outwardly of the ends of said coiled portion.

1,739,017. REFRIGERATION. ISIDOR BERTRAM ROSS, New York, N. Y. Filed Apr. 29, 1927. Serial No. 187,448. 3 Claims. (Cl. 62—1.)



1. As an article of manufacture, a gelatinous mixture of high heat conductivity, solidifying at a relatively low temperature, and composed of gelatin, gum arabic, ammonia nitrate, glycerin, denatured alcohol and water in substantially the proportions set forth, and a closed container of heat conducting material for the mixture.

1,739,018. DUPLICATE HEAD SHELL AND TUBE CONDENSER. THOMAS SHIPLEY, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a Corporation of Delaware. Filed Mar. 14, 1929. Serial No. 347,000. 3 Claims. (Cl. 257—240.)



1. An apparatus of the class described comprising a shell; a tube sheet; a water box head; an inner head interposed between said tube sheet and said water box head; fastening means for holding said inner head in engagement with said tube sheet; and means cooperating with said fastening means for securing said water box head to form a chamber at the end of said shell.

1,739,019. ELECTRIC CONNECTION. HAROLD ELNO SMITH, Cleveland Heights, Ohio. Filed Jan. 10, 1924. Serial No. 685,327. 9 Claims. (Cl. 173—360.)

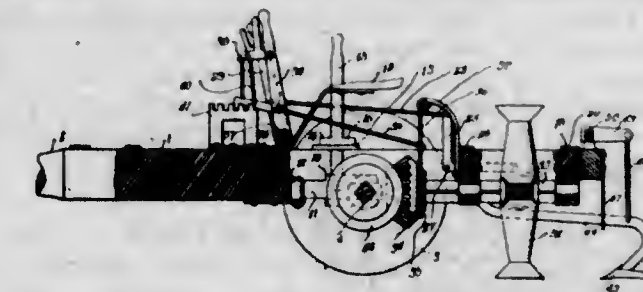


1. An electric cord terminal for threaded sockets comprising a body of soft flexible insulating material such as soft rubber having a contact member at its end adapted to engage the bottom of the socket and one or more circumferentially spaced, longitudinally projecting contact members of limited angular extent in its side wall adapted to engage the side wall of the socket, the interior of said body having a hollow bore, and the lateral contact members having projections adapted to be held yieldingly by said flexible body in engagement with the threads of the socket to which the terminal is applied.

1,739,020. AGRICULTURAL MACHINE. JOEL M. TAYLOR, Hawkinsville, Ga. Filed Mar. 7, 1928. Serial No. 259,838. 5 Claims. (Cl. 97—15.)

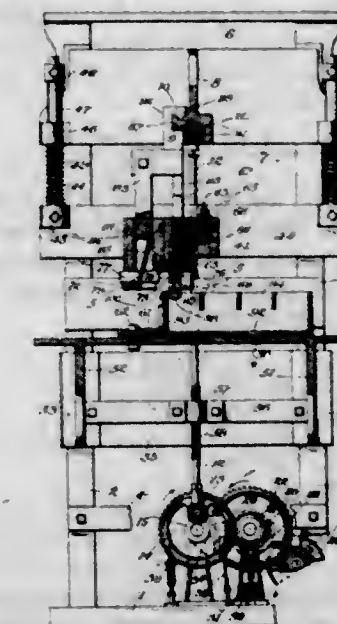
1. An agricultural machine comprising a main frame, a chopper frame hingedly connected at one end to one side

of the main frame and disposed transversely thereof, stops at the opposite side of the chopper frame adapted to rest upon the adjacent side of the main frame, a chopper rotat-



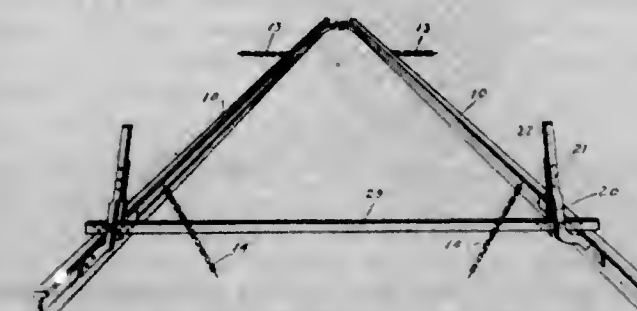
ably mounted in the chopper frame, and means mounted upon the chopper frame and the main frame for rotating the chopper.

1,739,021. FASTENER-SETTING MACHINE. JOSEPH O. TURNER, Winston-Salem, N. C., assignor to The Mengel Company, Louisville, Ky., a Corporation of New Jersey. Filed Nov. 30, 1928. Serial No. 322,790. 17 Claims. (Cl. 1—13.)



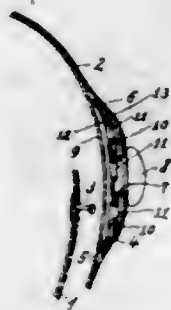
17. In a fastener-setting machine, the combination of a head having a plurality of spaced, depending portions on its under face, the space between a pair of said portions being adapted to receive one wall of a box being operated upon and the space between said pair of depending portions and another depending portion to receive an intersecting wall of said box; a series of plungers mounted for reciprocation in said depending portions toward and from a common point; and plunger operating means.

1,739,022. ROAD DRAG. WILLIS L. WALLICK, Alexandria, Ind. Filed Dec. 23, 1927. Serial No. 242,119. 2 Claims. (Cl. 37—170.)



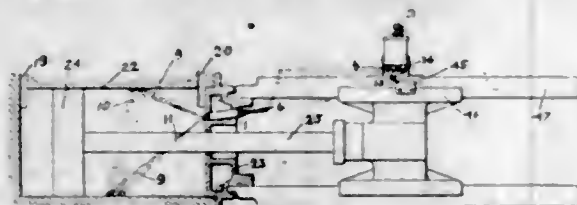
1. An adjustable connection of the character described comprising a spacing bar having a pair of series of openings, a yoke associated therewith, a member connected to said yoke, and means positionable in both series of openings for adjusting the inclination of the member to the bar.

1,739,023. FASTENING MEANS FOR FOOTWEAR. PAUL WIENSKOWITZ, Berlin, Germany. Filed Jan. 26, 1928. Serial No. 249,710, and in Germany May 4, 1927. 4 Claims. (Cl. 24-206.)



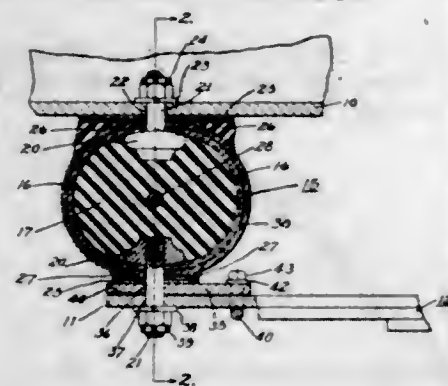
1. Fastening means for footwear including in combination a holding strap embodying an outer leather and a lining having a slit, a closure plate concaved in cross section and having a plurality of perforations arranged longitudinally of the plate and at the lower part of the concaved inner surface of the plate, means for anchoring the plate between the leather and the lining so that the perforations are accessible through the slit and a headed stud adapted to be fastened to the shoe upper and engaged by one of the perforations in the closure plate the engagement being facilitated by the guiding action of the concavity of the plate.

1,739,024. METHOD AND MEANS FOR LUBRICATING CYLINDERS OF RECIPROCATING ENGINES, COMPRESSORS, PUMPS, ETC. LEON WYGODSKY, Baltimore, Md. Filed July 26, 1924. Serial No. 728,403. 18 Claims. (Cl. 184-18.)



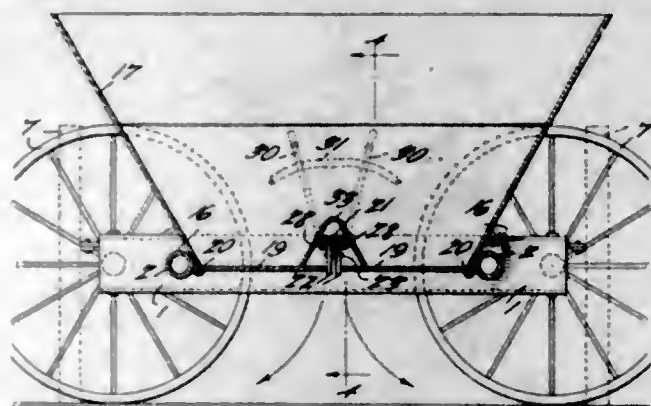
1. Means for cylinder lubrication consisting of, an orifice in the end portion of a cylinder, in combination with means for forcing a lubricant through said orifice at predetermined intervals for spraying the working surfaces within said cylinders, and means for controlling the period of said intervals.

1,739,025. SPRING SHACKLE. RALPH H. CHILTON, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 29, 1927. Serial No. 179,360. 13 Claims. (Cl. 267-30.)



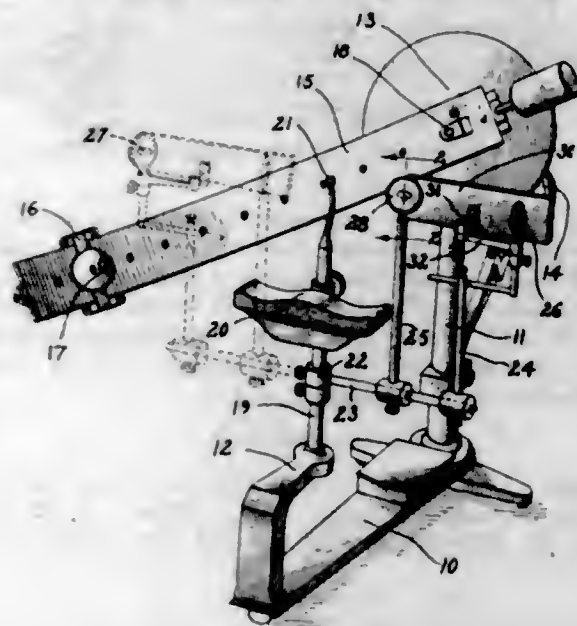
1. An extension shackle connecting two relatively movable members, said shackle comprising: an elastic non-metallic swinging element having opposite portions connected respectively to said movable members, a relatively rigid retaining wall on each side of said swinging element, and the means extending laterally through said element for clamping said retaining walls in place.

1,739,026. GRAVE-FILLING MACHINE. WILLIAM T. CONNER, Eldorado, Tex. Filed Mar. 13, 1929. Serial No. 346,740. 4 Claims. (Cl. 293-24.)



1. A grave filling machine including a main frame, a body supported thereon, doors hinged to the frame, and latches securing the meeting edges of the doors in body bottom forming relation, said latches each including pivotally supported plates formed in their meeting edges with notches which together provide an opening, projections from the doors to seat in said openings, and manually operable means for holding the plates against pivotal movement to free the projections from the openings.

1,739,027. DIAGNOSTIC INSTRUMENT. HENRY L. DE ZENG, Geneva, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 6, 1925. Serial No. 41,749. 10 Claims. (Cl. 88-20.)

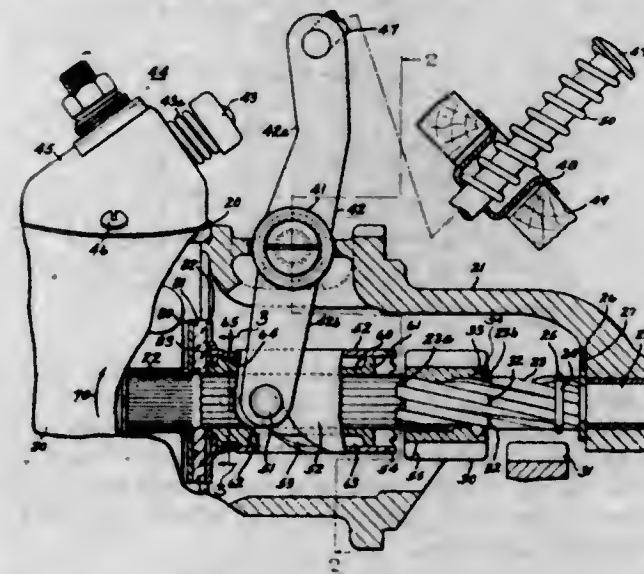


5. In a device of the character described, a head support for fixing the eye position of the eye under test, a member having a fixation object positioned in front of the eye under test and aligned therewith, a support positioned to one side of the eye position and extending in a direction laterally away from said eye position and at an angle to the aligned sight line of the eye under test, a reflector on said support aligned with the eye not under test, a member having a fixation object carried on said support and spaced from and aligned with the reflector, and means for moving the reflector towards and away from the member having a fixation object.

1,739,028. ENGINE STARTER. GEORGE W. ELSEY, Dayton, Ohio, assignor to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 11, 1927. Serial No. 182,585. Renewed May 2, 1929. 13 Claims. (Cl. 74-7.)

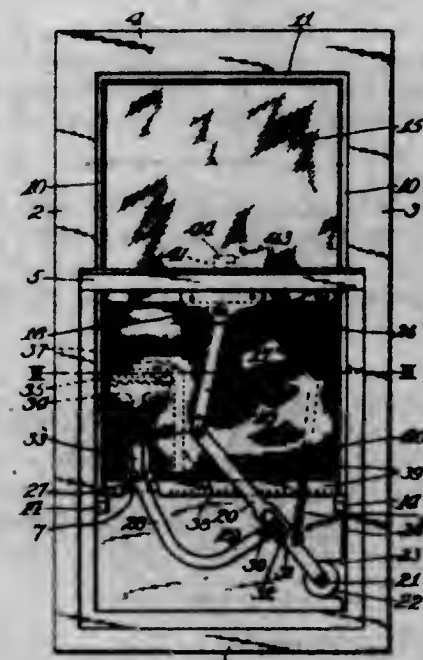
1. Engine starting apparatus comprising, in combination, a motor; a shaft operated by the motor; means for

connecting the shaft with the gear of an engine to be started and including a pinion mounted on the shaft for longitudinal movement thereof and rotary movement therewith and provisions whereby the pinion will be automatically demeshed from the engine gear when the engine starts; means for shifting the pinion endwise into mesh with the engine gear and for rotating the pinion in case the pinion teeth collide with the engine gear teeth, said means including a sleeve movable along the shaft and provided with slot oblique to the shaft, and a pin



movable longitudinally of the shaft and engaging the slot, whereby the pin and sleeve may move together to move the pinion into mesh with the engine gear and whereby the sleeve may be rotated in case movement thereof is obstructed, said sleeve and pinion having clutching means for imparting rotation to the pinion; and means tending to resist rotation of the sleeve element relative to the shaft element, said means comprising a friction member attached to one of said elements and engageable with the other of said elements.

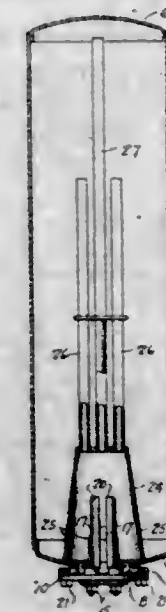
1,739,029. SCREENED VENTILATING WINDOW FOR AUTOMOBILES. HOWARD C. HART, Russiaville, Ind. Filed Nov. 6, 1926. Serial No. 146,806. 4 Claims. (Cl. 268-126.)



1. A ventilating window including a vertically movable window pane, a link rod pivotally connected positively with the pane, a control lever pivotally supported non-shiftably at one end below the pane and pivoted at its opposite end to the rod, an operating lever pivotally sup-

ported and having an actuating arm and a main arm, the main arm having a relatively angular portion shiftable and pivotally connected with the control lever, a balance spring having operative connection with the control lever to resist downward swing of the lever, and gearing to move or to lock the actuating arm of the operating lever, the gearing including gear teeth and a rotative element to control the functions of the teeth.

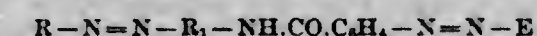
1,739,030. ELECTRICAL HEATING UNIT FOR TANKS. ARTHUR J. HENRY, Los Angeles, Calif., assignor of one-half to Sidney J. Bush, Los Angeles, Calif. Filed Oct. 21, 1926. Serial No. 143,053. 2 Claims. (Cl. 219-40.)



1. An electrical heating unit for liquid comprising a rigid base plate of material impermeable to water adapted to close a band hole in a heater tank, conductor posts rigidly secured therein and extending through said plate, said posts having heads, metallic brackets having lateral arms with elongated slots, screws extending through said slots into said heads so as to provide for spaced adjustment of said brackets, and carbon electrodes fixed to the upstanding arms of said bracket.

1,739,031. DISAZO DYES AND PROCESS OF PREPARING THE SAME. EMMET F. HITCH, HENRY JORDAN, and AUBREY O. BRADLEY, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 7, 1926. Serial No. 127,976. 18 Claims. (Cl. 260-81.)

1. A dye of the general formula:



wherein R and R₁ represent aromatic radicals containing neither a hydroxyl nor an amino group attached to the nucleus and E represents an auxo-chromic radical of any azo dye component.

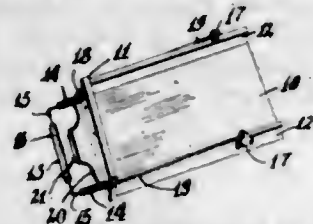
1,739,032. DISAZO DYE AND PROCESS OF PREPARING THE SAME. EMMET F. HITCH, HENRY JORDAN, and AUBREY O. BRADLEY, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 18, 1927. Serial No. 161,952. 17 Claims. (Cl. 260-81.)

1. A dye compound comprising the group:



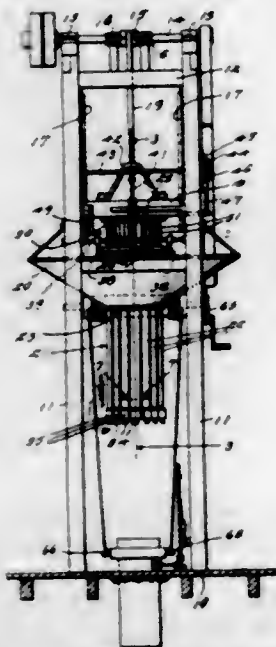
in which R, R₁, and R₂ represent aromatic radicals having neither a hydroxyl nor an amino group attached to the nucleus and CO.R₃ represents an acyl radical.

1,739,033. HOT-DISH-REMOVING DEVICE. LEON J. JAKUBOWSKI, Norwich, Conn. Filed Mar. 20, 1929. Serial No. 348,414. 5 Claims. (Cl. 294—32.)



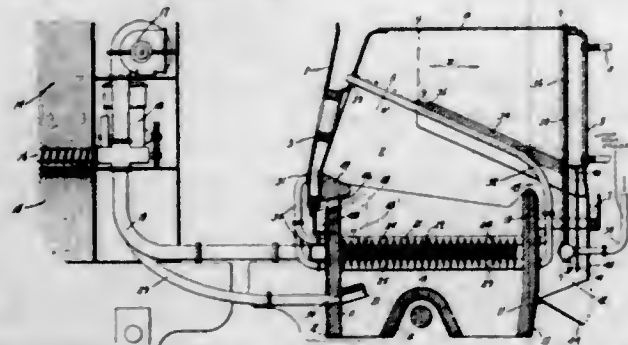
1. A device for removing dishes from a hot oven, comprising a scoop with a stationary front handle and a movable handle mounted on the sides of the scoop, and arranged for assuming a horizontal and a vertical position, in a horizontal position the movable handle being capable of resting upon the stationary handle.

1,739,034. STUFFING MACHINE. GROVER C. KIDWELL, Madison, Ind., assignor to Scott-Kidwell Jacket Co., Madison, Ind., a Firm. Filed June 19, 1928. Serial No. 286,627. 10 Claims. (Cl. 226—24.)



1. In apparatus for stuffing receptacles with yieldable substances in a predetermined state of compression, tubular feeding means for the substance, a plurality of plungers slidably mounted in said feeding means for compressing the substance in the receptacle, a support for the receptacle mounted to move in the direction of movement of the plunger and adjustable friction means resisting movement of the support.

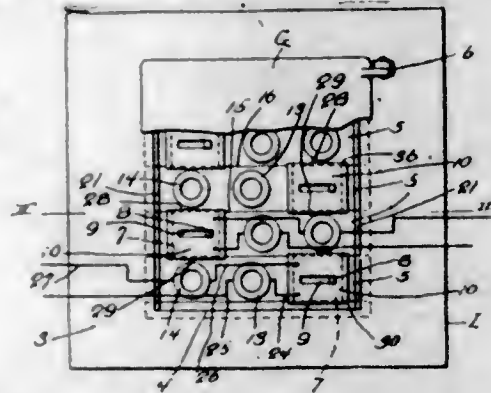
1,739,035. FURNACE FOR PULVERULENT FUEL. WALTER KLEINOW, Hennigsdorf, near Berlin; ALBERT MORGENROTH, Niederneudorf; FRIEDRICH REINHARDT, Hennigsdorf, near Berlin; and WILHELM BRUER, Velten, Germany, assignors to the Firm Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Filed Mar. 24, 1927. Serial No. 178,073, and in Germany May 1, 1925. 11 Claims. (Cl. 122—4.)



1. A furnace for pulverulent fuel comprising a combustion chamber in the lower portion of said furnace, a

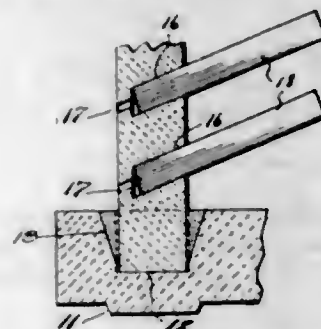
burner in said combustion chamber provided with a plurality of slots for the discharge of a mixture of fuel and primary air, and cooling, means arranged adjacent to the face of said slots for cooling the burner.

1,739,036. FUSE-SWITCH PANEL. HUBERT K. KRANTZ, Long Island, N. Y. Filed Aug. 19, 1926. Serial No. 130,202. 10 Claims. (Cl. 175—371.)



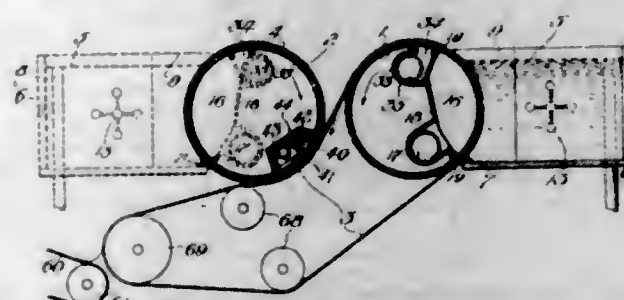
1. A unit adapted to be used as one of a series of similar units arranged side by side in panel-like formation, said unit being formed of insulating material and having a recess therein adapted to contain an electrical device, and said unit being formed with said recess opening through the sides of the unit arranged to be closed by abutting parts of adjacent units.

1,739,037. FIRE RACK FOR CHINAWARE. WILLIAM B. LOUTHAN, East Liverpool, Ohio, assignor to The Louthan Manufacturing Co., East Liverpool, Ohio, a Corporation of Ohio. Filed Dec. 13, 1928. Serial No. 325,794. 2 Claims. (Cl. 25—153.)



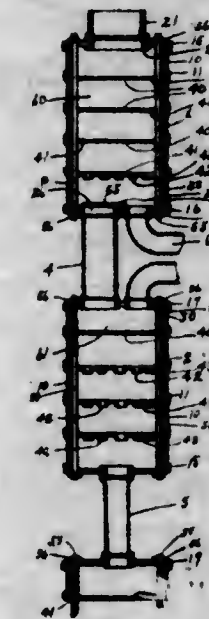
1. A firing rack for china including a base, having sockets and rods insertible into said sockets, the sockets being sufficiently larger than the rods to permit sand to be sprinkled between the rod and the wall of the socket.

1,739,038. PAPER-MAKING METHOD AND MACHINE. WILLIAM H. MILLSPAUGH, Sandusky, Ohio, assignor to The Paper and Textile Machinery Company, Sandusky, Ohio, a Corporation of Ohio. Filed Jan. 3, 1923. Serial No. 610,538. 47 Claims. (Cl. 92—43.)



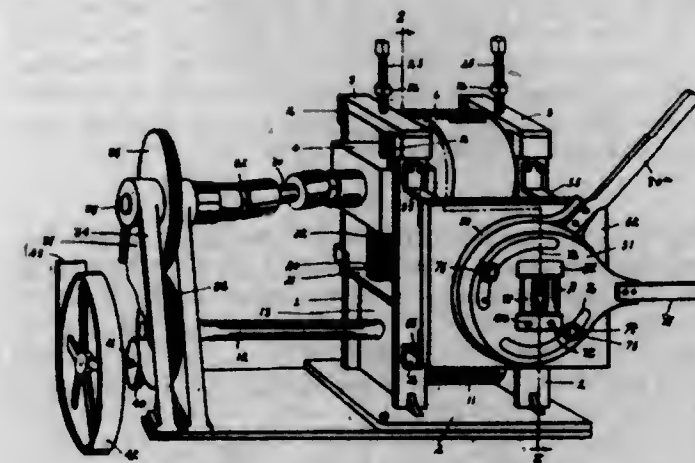
1. A paper-making machine having, in combination, rotating cylinders on which wet sheets are simultaneously formed by vacuum-induced collection and compacting of pulp fibres on the forming surfaces of the cylinders while traversing areas of contact with liquid stock; and means for consolidating the sheets on one of said cylinders.

1,739,039. MUFFLER. HERBERT S. POWELL, Utica, N. Y. Filed June 8, 1926. Serial No. 114,524. 7 Claims. (Cl. 137—160.)



1. In a muffler for exhaust gases, a plurality of sections, tubes connecting said sections and said tubes being disposed in prolongation of each other and reduced progressively in size, whereby to aid in breaking up the exhaust gases.

1,739,040. MACHINE FOR BENDING FLAT METAL STRIPS INTO SPIRALS. HERBERT S. POWELL, Utica, N. Y. Filed Apr. 13, 1928. Serial No. 269,639. 5 Claims. (Cl. 153—78.)

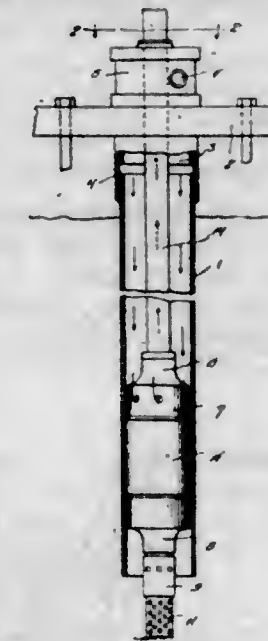


1. In a machine for bending flat metal strips into spirals, means for feeding a strip of metal in one plane, and rotary disks having rollers mounted thereon for twisting said strip of metal in other planes.

1,739,041. FLOW DEVICE FOR OIL WELLS. NATHAN B. RAGLAND, Muskogee, Okla. Filed May 2, 1928. Serial No. 274,550. 1 Claim. (Cl. 103—232.)

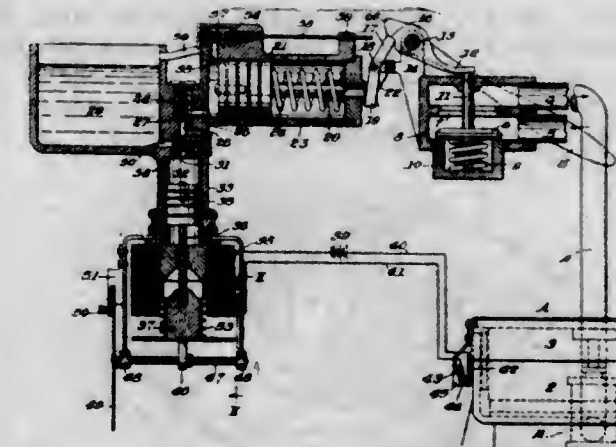
In a packer unit for oil wells, a hollow body formed with a reduced neck at its lower end to provide an oil inlet, the upper end of the hollow body being formed with a thickened portion, an eduction pipe receiving neck extending upwardly from the thickened portion, said body being

formed with an annular channel in its outer face, a packing ring fitted in the channel, said thickened portion being



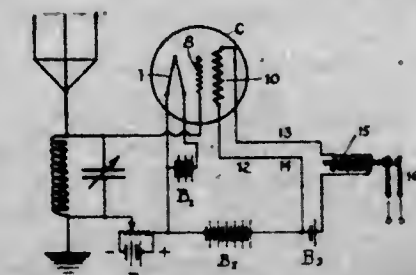
formed with a series of angularly disposed air passages that extend from the outer face of the hollow body to the bore of the eduction pipe connecting neck.

1,739,042. MOVEMENT-REGULATING MECHANISM. ROBERT F. RINGLE, Zellenopole, Pa. Filed Mar. 7, 1928. Serial No. 259,894. 14 Claims. (Cl. 192—138.)



3. Means for regulating movements of the active element of a machine having a fluid-actuated motor consisting of a valve controlling flow of fluid to the motor, a spring for closing the valve, an opening lever, a holding trigger therefor, a fluid-actuated device for releasing the trigger, means for supplying fluid pressure to said device, means controlled by the active element of the machine for imparting movement to said means, and means operative upon closing of the valve effecting release of fluid pressure from the trigger releasing device.

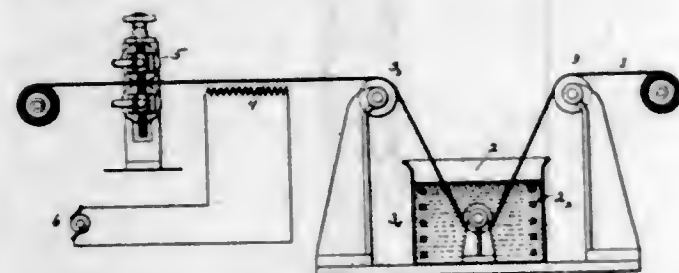
1,739,043. VACUUM-TUBE RELAY. SAMUEL RUBEN, New York, N. Y., assignor to Ruben Patents Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 17, 1926. Serial No. 155,541. 9 Claims. (Cl. 250—27.)



1. Vacuum tube apparatus comprising, in combination, an electron emission element constituting a cathode, a co-

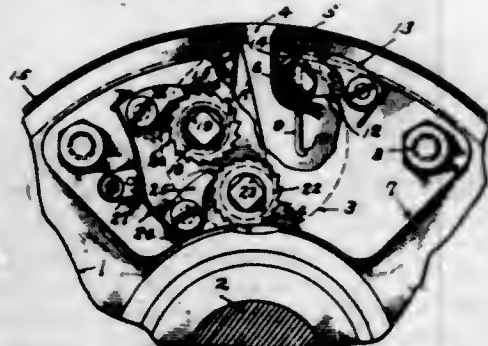
operating anode having a positive thermal coefficient of resistance and being responsive to variations of electron impact, means for substantially increasing the responsiveness by heating the anode to a critical temperature, a modulating element interposed between the cathode and anode, and translating means connected in the local circuit connecting the cathode and anode.

1,739,044. METHOD OF TREATING ELECTRON-EMISSION ELEMENTS. SAMUEL RUBEN, New York, N. Y., assignor to Ruben Tube Company, a Corporation of Delaware. Filed Jan. 12, 1927. Serial No. 160,758. 5 Claims. (Cl. 250—27.5.)



1. The method of treating an electron emission element which consists in applying a mixture of an alkaline earth oxide and a blunder material to the surface of the element, heating the coating layer on the element and compressing the coating layer at a temperature close to its melting temperature.

1,739,045. BLANKET-FASTENING MEANS FOR IMPRESSION CYLINDERS. LOUIS A. SCHMIDT, Brooklyn, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1927. Serial No. 205,915. 5 Claims. (Cl. 101—415.1.)



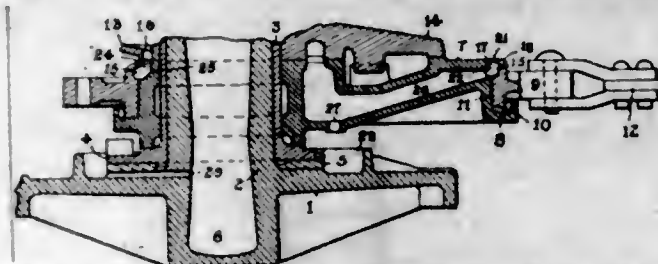
1. The combination of an impression cylinder having a narrow margin slot, means for adjustably securing one end of a blanket inside the cylinder, a rod mounted in the cylinder, blanket holding projections carried by the rod, to which the other end of the blanket may be directly secured, and means for rotating the rod to cause the projections to approach near to the surface of the cylinder and recede from the surface of the cylinder.

2. The combination of an impression cylinder having a margin slot, means for adjustably securing one end of a blanket inside the cylinder, a rod mounted in the cylinder, blanket holding projections carried by the rod, means for rotating the rod to cause the projections to approach and recede from the slot, and means for preventing the springing of the rod under blanket tension.

1,739,046. GUARD FOR LUBRICATED SURFACES. FREDERICK J. SCHWIMMER, Toledo, Ohio, assignor to The National Supply Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 2, 1927. Serial No. 150,422. 5 Claims. (Cl. 308—134.)

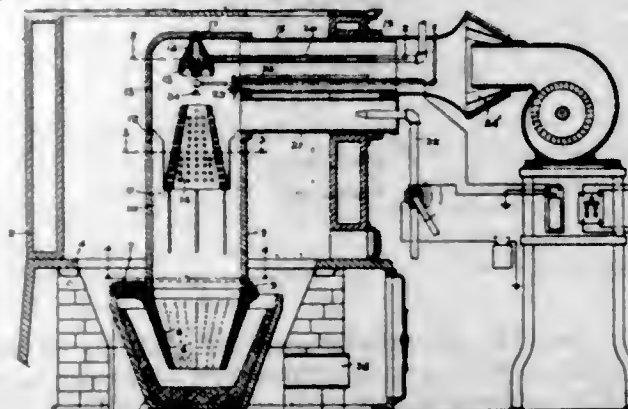
3. A horizontal eccentric member, a strap member bearing on the periphery thereof, an annular channel formed in each of the adjacent faces of the eccentric member and strap and above the bearing faces between them, the said

channel being in communication with the bearing surfaces, annular means carried by each member to form a cover



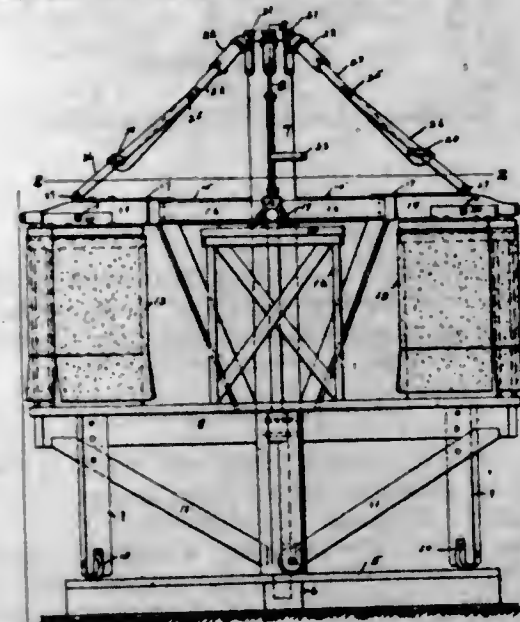
for its respective portion of the annular channel, and an annular lip projecting outwardly from the annular means which is carried by the eccentric member.

1,739,047. OIL BURNER. WILLIAM E. SHORE, New York, N. Y. Filed Oct. 29, 1924. Serial No. 746,553. 5 Claims. (Cl. 158—4.)



1. In an oil burner, the combination with the combustion chamber of a furnace, of a pot in the bottom thereof having an open top, a perforated pot open at the bottom and top and of lesser diameter than the aforesaid pot supported from the top of the aforesaid pot, a tubular member extending upwardly from the top of the inner pot, a refractory obstructing member supported centrally of said tubular member and having a passage therearound, a cap closing the top of said upright tubular member, an oil distributing member supported within said cap centrally of the upright tube, a conduit leading from outside the furnace combustion chamber to said cap, an oil feed pipe leading through said conduit to the oil distributor, and means extending from outside the furnace combustion chamber into said cap for projecting a flame into the path of the distributed oil.

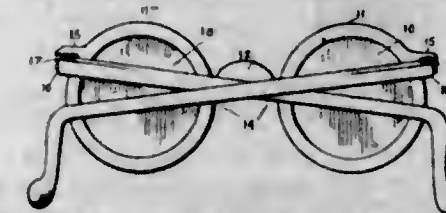
1,739,048. SEALING MACHINE. WILLIAM SCOTT SILVER, Havre de Grace, Md. Filed Feb. 3, 1928. Serial No. 251,643. 1 Claim. (Cl. 95—36.)



A box sealing machine comprising a stationary base, a standard rotatably mounted at the central axis of said

base, a table secured to said standard and equipped with rollers and having contact with said base whereby even travel of the standard and table may be had relative to the base, container supporting members secured to said table, stationary radially extending arms secured to the standard above said container supports, pressure arms hingedly secured to the outer terminals of said first named arms and overlying said container supports, pressure plates carried by said pressure arms, and an adjustable locking means associated with said standard and comprising pivoted links whereby said pressure plates and arms may be held in firm contact with said container supports.

1,739,049. SPECTACLES AND GOGGLES. JOHN ANTHONY SMITH, Spokane, Wash. Filed June 18, 1924. Serial No. 720,762. 1 Claim. (Cl. 88—53.)



In spectacles, a frame having laterally projecting temple lugs flush with the inner faces of the rims and located substantially above the horizontal axis of the rims which passes through the center line of the pupils of the eye, temples having squared ends and hinged to the lugs, the hinge joints being inset from the free ends of the lugs in such manner that the temples will cross the front, and will have a firm setting against the flush faces of the lugs when the temples are expanded to hold the lens at a proper angle.

1,739,050. ELECTRICAL CONDENSER. JAMES C. SNELL, Oak Park, Ill., assignor to Premier Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1923. Serial No. 640,019. 3 Claims. (Cl. 74—7.)



1. In an electrical instrument for controlling or modifying a current, a movable element, a sleeve for moving the element having a centrally apertured operating knob thereon, a rod extending through the sleeve and apertured knob, a circular pan-like housing secured on the end of said sleeve, a friction pinion on the contiguous end of said rod, and friction means between said pinion and said housing for transmitting motion from the rod to the sleeve at reduced speed.

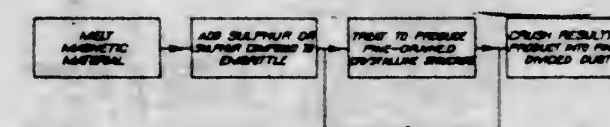
1,739,051. METHOD AND APPARATUS FOR BURNING FUEL. EARL P. WETMORE, Concord, Mich., assignor to The Anolcoal Burner Co., Toledo, Ohio, a Corporation of Delaware. Filed Oct. 23, 1924. Serial No. 745,309. Renewed May 4, 1929. 17 Claims. (Cl. 110—104.)



1. A method of burning fuel which comprises, directing an annular jet of air radially inwardly, feeding a fuel

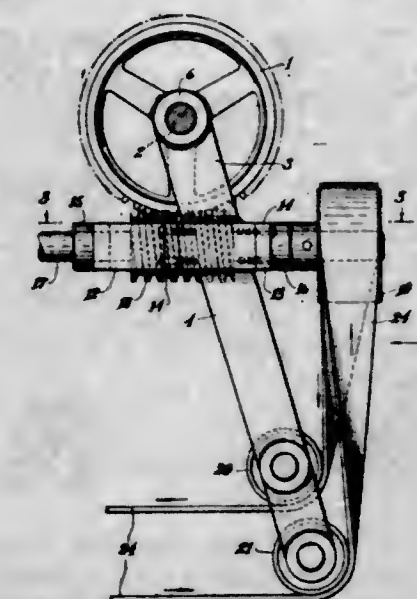
paste in the form of an annular sheet into said jet whereby particles of fuel are sheared off from said annular sheet as it enters said jet and are carried in suspension, and conveying said air and suspended fuel into a combustion chamber.

1,739,052. PRODUCTION OF FINELY-DIVIDED METALLIC MATERIALS. JOHN H. WHITE, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1929. Serial No. 336,431. 5 Claims. (Cl. 175—21.)



1. The method of reducing a tough metallic material to finely divided form, which consists in incorporating in said material a small quantity of sulphur to embrittle it, and then mechanically breaking up the resulting produce to the desired degree of fineness.

1,739,053. WORM-DRIVE BELT-TIGHTENING DEVICE. HAROLD F. WILHELM, East Orange, N. J., assignor to Verne E. Minich, Scarsdale, N. Y. Filed July 8, 1927. Serial No. 204,170. Renewed May 7, 1929. 10 Claims. (Cl. 64—5.)

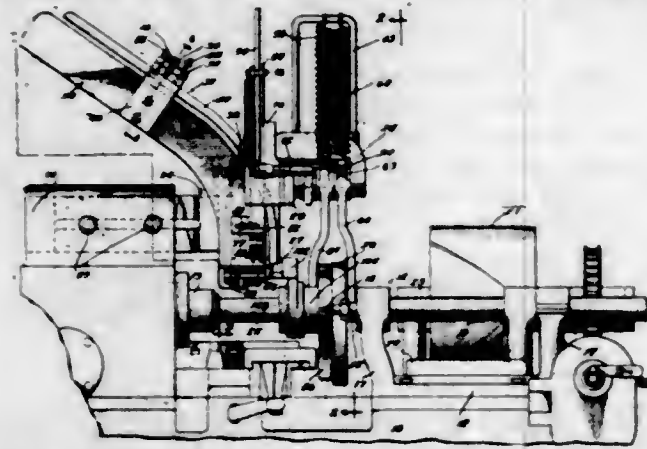


1. In a power transmission device, a supporting shaft, a worm wheel fixedly secured to said shaft, a frame journaled on said shaft, said frame having idle pulleys journaled therein, a worm shaft journaled in said frame, a worm on said worm shaft meshing said worm wheel, a worm pulley on said worm shaft, said pulleys and the direction of belt travel being so arranged that the belt is fed onto each pulley in the central plane thereof, the belt being adapted to be led away from said idle pulleys at right angles to said supporting shaft toward the drive shaft.

1,739,054. FEEDING MECHANISM. WILHELM GEDOR ALDEEN, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a Corporation of Delaware. Original application filed July 3, 1920. Serial No. 393,923, now Patent No. 1,529,645. Divided and this application filed Mar. 10, 1924. Serial No. 698,335. 16 Claims. (Cl. 29—60.)

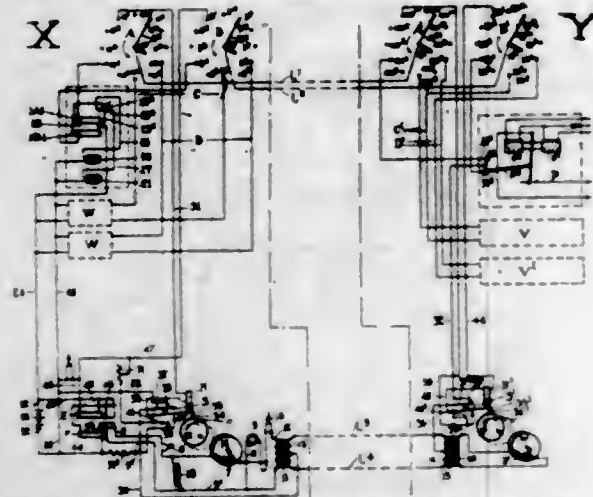
2. In a device of the class described, a supporting structure, a feed chute carried by said structure, means for mounting said structure in longitudinally adjustable position with respect to the chucking mechanism of an automatic machine, a horizontal slide adapted to receive an article from said chute and move it to a position directly

above the axis of said chucking mechanism, a vertical slide adapted to receive an article from the horizontal slide and move it down into alignment with the axis of said chucking mechanism, said horizontal and vertical



slides being supported by the same supporting structure as said chute whereby longitudinal adjustment of said entire feeding mechanism with respect to the chucking mechanism may be accomplished without disturbing the adjustment of the feeding mechanism.

1,739,055. SYSTEM OF SUPERVISORY SIGNALING AND REMOTE CONTROL. CHARLES B. BARTLEY and VIRGIL H. DAKE, Pittsburgh, Pa. Filed Sept. 14, 1925. Serial No. 56,184. 3 Claims. (Cl. 172-293.)



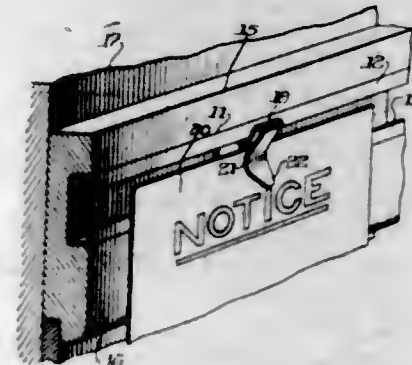
1. In a system of the class described, a plurality of motors of the synchronous type, with a source of supply therefor of identical frequency, and a control circuit for one of the motors, said circuit including a circuit closing device driven by each motor and an electro-magnetic switch-in circuit with said circuit closing devices for controlling the current flow to the controlled motor, a cam element driven by the controlled motor associated with said electro-magnetic switch to prevent operation of said switch except as permitted by the cam whereby said switch may only operate when in predetermined relation with the said circuit closing devices driven by the motors.

1,739,056. METHOD OF FINISHING SHEET-METAL TILING. GEORGE L. BENNETT, Cleveland Heights, Ohio. Filed Sept. 15, 1928. Serial No. 306,161. 5 Claims. (Cl. 91-70.2.)



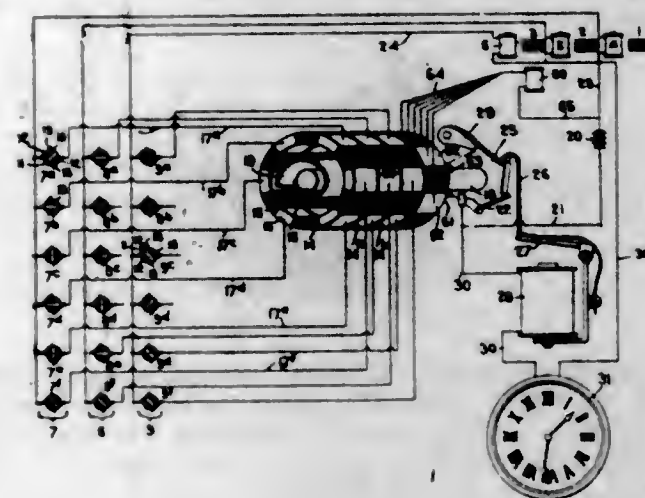
1. A method of finishing sheet metal tiling, embodying therein the separation of one portion of an enamel coated metal sheet from another portion thereof by abrasion, and subsequently coating the exposed edge of the body of the sheet with a non-corrosive material.

1,739,057. DEVICE FOR SUPPORTING SHEETS OF PAPER AND THE LIKE. CHARLES S. BOCK, Chicago, Ill., assignor to Andrew Hoffman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1927. Serial No. 214,568. 2 Claims. (Cl. 40-11.)



2. A device of the character described for application to a wall against which papers are to be fastened, consisting of a horizontal rail, and a paper clip slidably associated with the rail, said clip being characterized by a downwardly opening resiliently expansible throat portion, a finger-engaging portion with which to pull the throat portion open, and means for preventing the clip from moving outwardly when said finger-engaging portion is pulled.

1,739,058. ELAPSED-RUNNING-TIME COUNTER. RALPH W. BUMSTEAD, Westfield, N. J. Filed July 27, 1923. Serial No. 654,199. 9 Claims. (Cl. 235-92.)

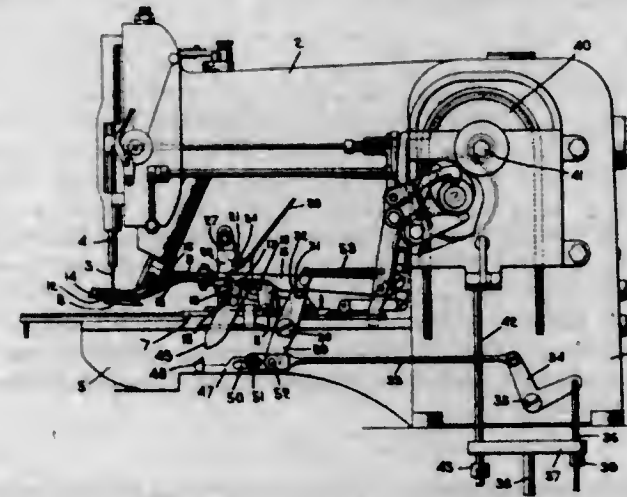


1. In a device for indicating the machine-running time of a group of machines, the combination with a counter, of electro-mechanical means to actuate the same, and timing mechanism to limit the frequency of actuation of the counter so that an indeterminate number of impulses received from any machine within a predetermined time interval will cause one advancement of the counter for each said time interval if the machine is running and no advancement if the machine is idle.

1,739,059. SEWING MACHINE. AXEL F. CARLSON, Cambridge, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed July 15, 1927. Serial No. 205,955. 6 Claims. (Cl. 112-76.)

1. In a sewing machine, the combination with work clamps, means normally holding the work clamps raised,

means to release the work clamps, said clamps when released automatically moving into clamping position but



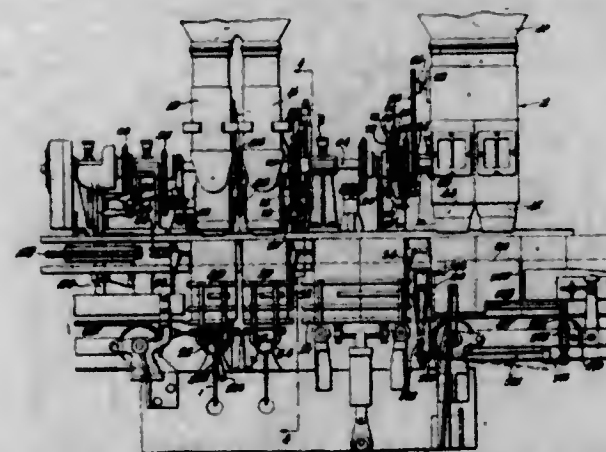
engaging the work with a gentle pressure, and means operative after the work clamps have closed onto the work to apply a relatively heavy pressure thereto.

1,739,060. WINDOW CONSTRUCTION. AMABLE CHARLEBOIS, Ferndale, Mich. Filed May 28, 1927. Serial No. 194,929. 3 Claims. (Cl. 20-52.1.)



1. In a sliding door or window construction, top and bottom guide rails angular in cross section, frames slidable between said rails, said frames having an H-shaped top rail, the outer channel of said top rail being adapted to receive the top guide rail and the inner channel adapted to receive the upper edge of a light of glass, a sectional bottom rail consisting of two separate bars between which is received said bottom guide rail and the lower edge of said light, rollers supported by said bars and rollers engaging said lower guide rail.

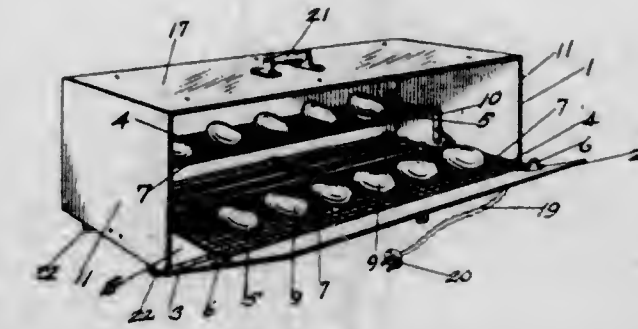
1,739,061. PACKAGING MACHINE. WILLIAM S. CLEAVES, Wollaston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a Corporation of Massachusetts. Filed May 9, 1927. Serial No. 189,700. 7 Claims. (Cl. 249-59.)



1. In a packaging machine, in combination, a plurality of weighing devices, a plurality of bulk loading devices, means for presenting a plurality and a predetermined

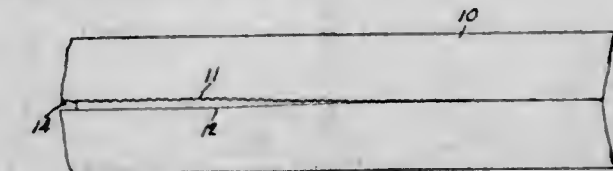
number of receptacles first to the bulk loading devices and then to the weighing devices, and means for preventing the operation of the bulk loading devices when less than the predetermined number of receptacles are in position to be presented to said bulk loading devices.

1,739,062. EGG COOKER. FRANK CONNOLLY, Toledo, Ohio. Filed Sept. 6, 1928. Serial No. 304,241. 2 Claims. (Cl. 53-6.)



1. In an egg cooker, a shell having a pair of doors forming when closed the side walls of the shell and hingedly connected to the bottom wall of the shell, electric heat units located near the top and bottom walls of the shell, shelves hingedly connected to the doors substantially mid-way the height of the doors, a pair of arms pivotally connected to the end walls near the bottom wall of the shell and to the inner edge of each shelf to maintain the shelf substantially parallel to the bottom wall when the door is opened, and springs interconnecting the arms connected to each end wall.

1,739,063. ELECTRIC RESISTANCE WELDING OF PIPE. WILLIAM E. CRAWFORD, Wauwatosa, and REIMAR C. F. KURTZE, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Mar. 12, 1928. Serial No. 261,026. 2 Claims. (Cl. 219-6.)

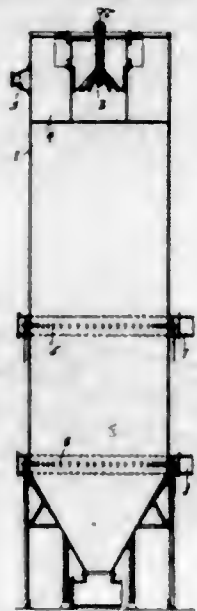


1. The method of manufacturing electrically welded pipe which comprises providing spaced projections extending perpendicularly across a side edge of a flat metal strip to facilitate extrusion of impurities from the weld, converting said strip into tubular form with the side edges thereof providing a longitudinal seam to be welded, progressively bringing said side edges into contact under pressure and passing an electric current across the same to heat the edges, and applying increased pressure to the edges to weld the same together and extrude oxides and impurities from the weld.

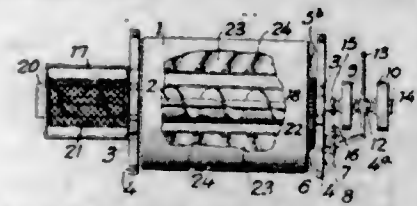
1,739,064. PROCESS FOR THE MANUFACTURE OF A SUGAR PRODUCT. WALTER H. DICKERSON, East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del., a Corporation of Delaware. Filed Dec. 29, 1922. Serial No. 609,767. 6 Claims. (Cl. 127-46.)

1. The method of producing sugar in dry non-crystalline form from the sugar juices ordinarily processed to obtain commercial sucrose which consists in its entirety of filtering raw sugar juice to remove mechanical impurities and objectionable coloring matter, spraying the

said filtered juice in finely divided condition into a hot normally gaseous drying medium to remove a substantial portion of the moisture content in said juice, and when

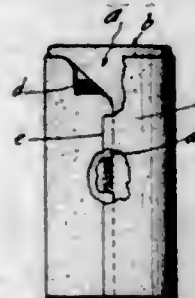


1,739,066. MIXING MACHINE. JOHN F. FIELD, Owosso, Mich. Filed Nov. 1, 1928. Serial No. 316,396. 6 Claims. (Cl. 239-85.)



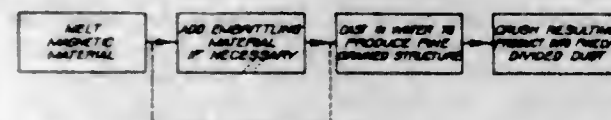
1. A mixing machine comprising a trough; a conveyor screw in said trough; a rotatable drum coaxial with and enclosing the trough; a plurality of longitudinal plates in the drum exterior to the trough, said plates being disposed radially of the drum; angularly disposed vanes on said plates; and clutch means for rotating the drum and screw in opposite directions.

1,739,067. PROTECTIVE PLUG FOR DRAINAGE FIXTURES. WELLS S. FLEMING, Portland, Oreg. Filed Mar. 18, 1929. Serial No. 348,045. 6 Claims. (Cl. 182-31.)



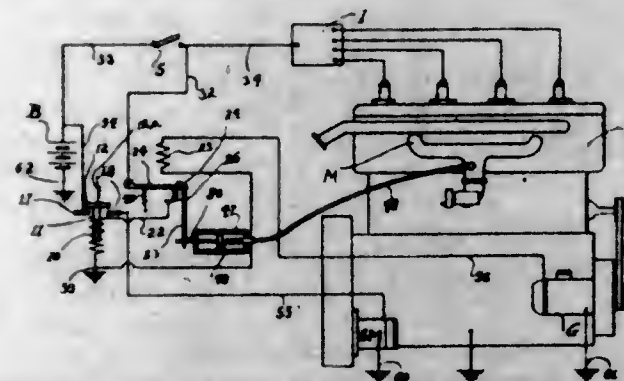
1. The combination with a drainage fixture of an inverted cup, and adapted to be removably inserted in the bore of the drainage fixture and held therein by frictional engagement to temporarily close the same.

1,739,068. METHOD OF PRODUCING MATERIALS IN FINELY-DIVIDED FORM. JAMES E. HARRIS, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1929. Serial No. 336,418. 5 Claims. (Cl. 175-21.)



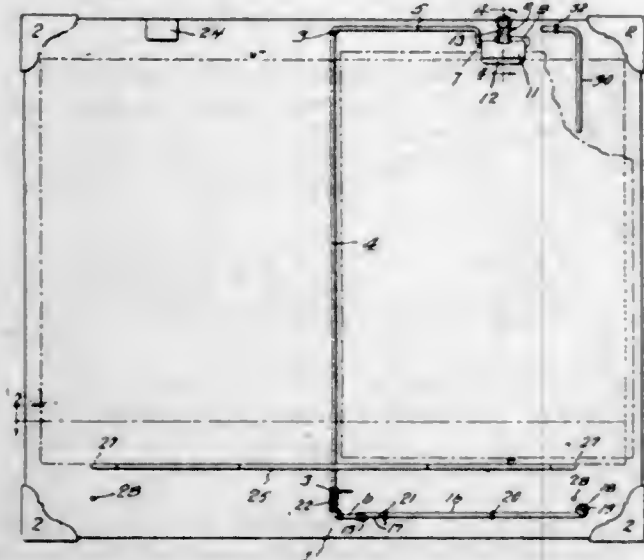
1. The method of reducing metallic material to very finely divided form which consists in melting the metallic material, casting the molten material in water to solidify it, and to produce a fine-grained crystalline structure therein, and breaking up the resulting product into finely divided form.

1,739,069. STARTER FOR INTERNAL-COMBUSTION ENGINES. JOHN HASSELMER, Jr., Woodhaven, N. Y., assignor to Royalty Holding Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 15, 1927. Serial No. 205,948. 9 Claims. (Cl. 290-37.)



1. In a starter for internal combustion engines, of the class in which power from an electric source is temporarily

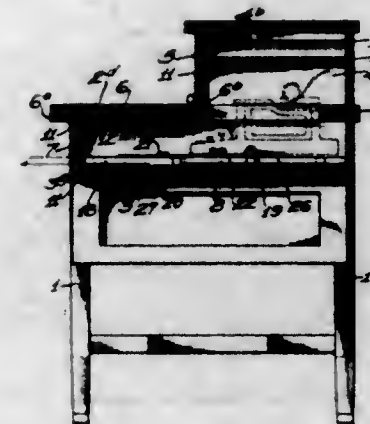
1,739,065. MUSIC SUPPORTING AND TURNING DEVICE. HARMON O. ENSIGN, Cleveland Heights, Ohio. Filed Mar. 31, 1927. Serial No. 179,729. 6 Claims. (Cl. 84-501.)



5. A device of the character set forth comprising a base, a heavy wire shaft rotatably supported thereby in a vertical position of substantially the transverse center of the base, the upper end of the shaft being extended laterally to provide a turning arm while its lower end is similarly extended to form a relatively short keeper that is in substantially parallel relation to the turning arm, means on the turning arm for attaching thereto a leaf to be turned, a latch on the base cooperating with the keeper to hold the shaft in a position with the turning arm overlying one end portion of the base, said latch consisting of a piece of wire whose body portion is contiguous to the base and substantially in alignment with the keeper, one end of the latch being secured to the base while its opposite end is turned outwardly and thence inwardly and rounded for engagement with the rounded side of the keeper, and means tending to rotate the shaft so as to swing the arm to a position adjacent the other end portion of the base upon release of the latch, the latch being releasable by reason of the nature of the engagement of the latch with the keeper by a force somewhat in excess of that exerted by the shaft rotating means.

applied by an electric starting motor to an engine having an ignition system and an intake, a generator is driven from said engine and independent circuits connect said source with said ignition system and said starting motor respectively, a normally open primary magnetic switch having a movable contact controlling the circuit from said source to said starting motor, and a winding, a secondary magnetic switch having a movable contact controlling the circuit from said source to the winding of said magnetic generator, a suction device operatively connected with said engine intake, mechanical connections between same and the movable contact of said secondary switch, and a manually operative switch in the circuits to the ignition system of said engine, and through the contacts of said secondary magnetic switch to the winding of said magnetic switch.

1,739,070. TYPEWRITER DESK. LOUIS T. HERRMANN, San Diego, Calif. Filed Oct. 7, 1924. Serial No. 742,180. 3 Claims. (Cl. 312-21.)



1. In a desk, a platform supporting panel member, a shiftable platform reciprocally mounted on said panel member, an adjustable and shiftable stop means mounted on said panel member for retaining said platform thereagainst and for limiting the outward position of said platform, and a lever means mounted on said platform and engageable with said panel member for raising the forward end of said platform from said panel member when the same is shifted to any desired outward position.

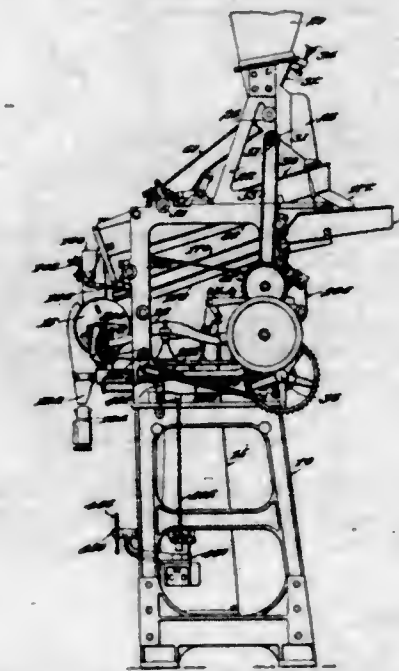
1,739,071. TENTER CLIP. JOHN J. HOEY, Providence, R. I. Filed May 22, 1928. Serial No. 279,786. 6 Claims. (Cl. 26-62.)



1. In a tenter clip a jaw member, a reversible blade co-operating means on said jaw member and blade for aligning said blade on reversal thereof, and means for clamping said blade to said jaw member.

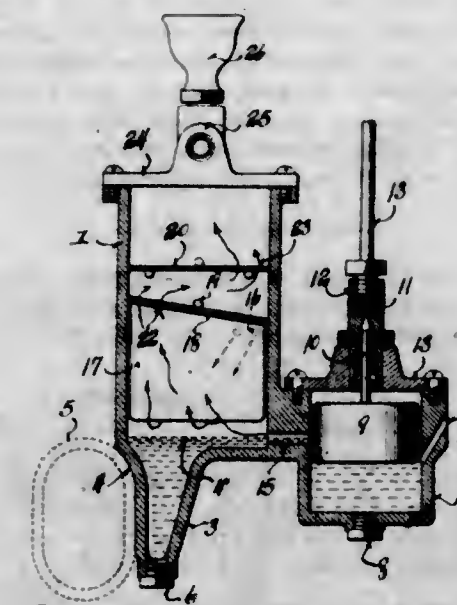
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1,739,072. WEIGHING AND PACKAGING MACHINE. STANLEY R. HOWARD, East Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1923. Serial No. 635,175. 53 Claims. (Cl. 249-15.)



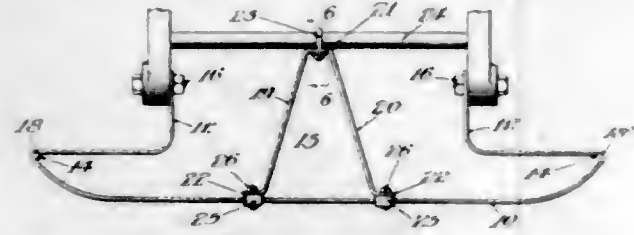
1. In a weighing machine, in combination, a scale, a supporting base for the scale, mechanism for feeding material to be weighed on to the scale, mechanism for discharging the weighed material from the scale, and a frame for supporting said feeding and discharging mechanism separate and spaced from said scale supporting base at the scale supporting end of the latter and for a sufficient part of the length thereof to eliminate vibration from the scale.

1,739,073. AIR MOISTENER. EDWARD H. JOHNSON, Kohler, Wis., assignor to one-half to John H. Huber, Sheboygan, Wis. Filed Nov. 18, 1927. Serial No. 234,172. 4 Claims. (Cl. 123-25.)



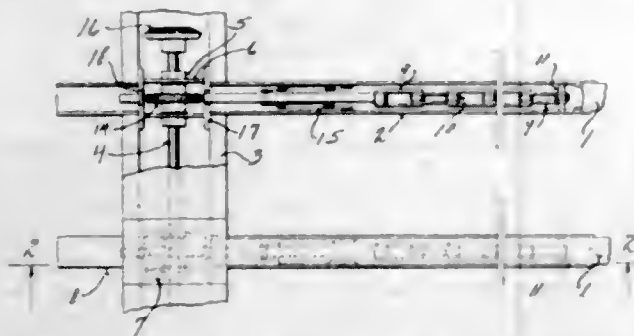
1. An air moistener for internal combustion engines comprising a body portion, a heating chamber formed in the lower part of the body portion, means for heating said heating chamber, a float chamber communicating with said heating chamber and spaced from said heating chamber, a float positioned within said float chamber, a valve controlled by said float, a water supply pipe communicating with said valve, and means independent of said float chamber for conducting air through said heating chamber.

1,739,074. AUTOMOBILE BUMPER. CLARENCE H. KAUF-FUNG, Milwaukee, Wis., assignor to Badger Manufacturing Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Feb. 8, 1928. Serial No. 252,828. 7 Claims. (Cl. 293-55.)



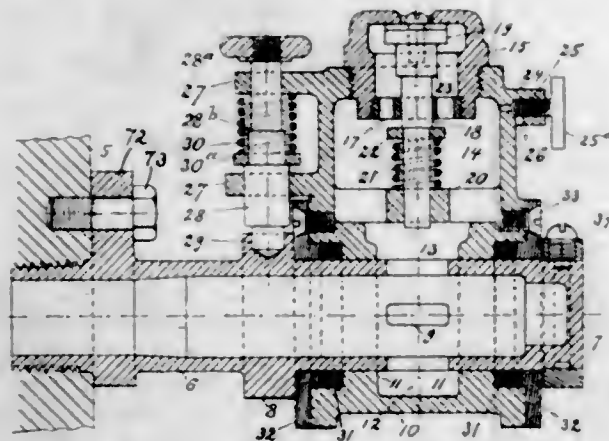
1. An automobile bumper comprising spring impact bars, spring supporting bars having the outer ends thereof pivotally connected to the ends of said impact bars and the other ends thereof connected by spring bolts to an automobile frame, and a resilient brace connected to a cross-member of said frame and to said impact bars intermediate the ends thereof.

1,739,075. POWER-TRANSMITTING MECHANISM. WALLACE W. KELLY, Racine, Wis. Filed Feb. 23, 1928. Serial No. 256,380. 3 Claims. (Cl. 74-54.)



1. Power transmitting mechanism comprising a plurality of elongated casings, a plurality of depressible elements carried within said casings and projecting therefrom, means for limiting the extent of projection of said elements from said casings, reciprocating bars projecting from the ends of said casings and provided with ratchet teeth, toggle link mechanism carried within and attached to said casings and operatively connecting said elements and said bars for imparting reciprocating motion to said bars when said elements are depressed, means for elevating said elements from their depressed positions, a shaft revolvably mounted transversely of said casings, and a plurality of ratchet wheels carried by said shaft and operatively related to and supporting said bars, whereby said shaft is rotated when said elements are successively depressed.

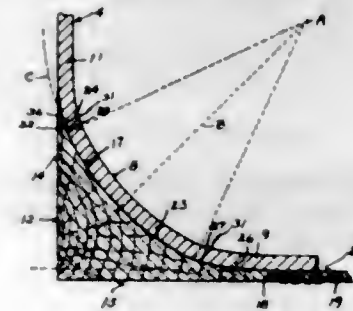
1,739,076. LUBRICATING DEVICE. CARL W. A. KOELKEBECK, Pittsburgh, Pa. Filed Feb. 23, 1924. Serial No. 694,509. 9 Claims. (Cl. 184-66.)



1. A lubricator comprising a discharge tube, a reservoir rotatably mounted thereon and revolvable thereon from

upright to inverted position to cut off the supply of lubricant from the reservoir to the discharge tube, said reservoir communicating with said tube in either position, and a self-closing filling valve on the reservoir for preventing escape of lubricant when the reservoir is inverted.

1,739,077. MOUNTING FOR COMBINED WALL BASE AND FLOOR COVERINGS. SETH G. LISH and CHARLES RATTO, Napa, Calif. Filed Dec. 22, 1927. Serial No. 241,836. 2 Claims. (Cl. 20-74.)



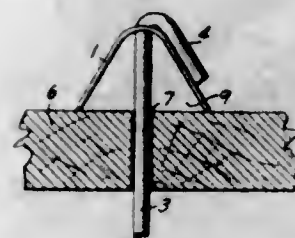
1. In combination with a wall intersecting a floor, a covering having integrally associated floor and wall engaging portions, and a preformed fillet cooperating with said wall and floor to define a concave backing surface for said covering, an intermediate portion of said surface being cylindrically curved about an axis disposed at a distance from said wall and floor which is less than the radius of curvature of said portion, and the portions of said surface adjacent said first portions being curved for tangency both to said first portion and to the surfaces of said wall and floor, the spirally curved portions of said surface forming abrupt bends with the cylindrically curved surface for the purpose described.

1,739,078. SWIMMING POOL. CHARLES M. MAPES, Rutherford, N. J., and EDMUND BRITTON, New York, N. Y.; said Britton assignor to said Mapes. Filed Feb. 23, 1927. Serial No. 170,398. 1 Claim. (Cl. 4-171.)



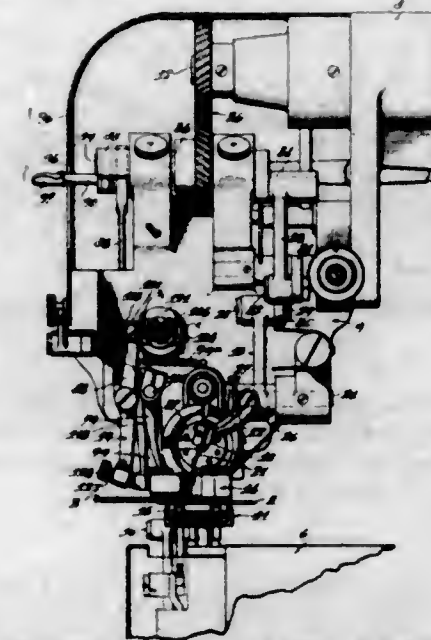
A swimming pool construction comprising a substantially rectangular and relatively deep water-tight tank having steps on two opposite sides leading to the bottom thereof and extending the full length of said sides to provide seats for spectators as well as means for entrance and exit, and a removable inclined sectional and perforated platform supported within the tank interfittingly with the steps on opposite sides.

1,739,079. CEILING-ROD HANGER. EDWARD C. MARQUA and SAMUEL J. CALLAHAN, Kansas City, Mo. Filed Jan. 26, 1927. Serial No. 163,679. 4 Claims. (Cl. 72-118.)



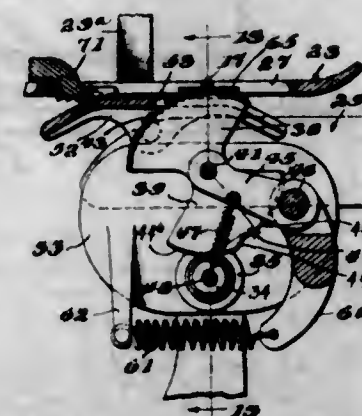
1. A ceiling supporting member projectible through a form board having a head located above the form board, and an anchoring member supported on the form board and adapted to receive the supporting member for supporting the head above and out of contact with the board to permit embedment of the head in concrete poured onto the board.

1,739,080. LINING-FELLING MACHINE. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a Corporation of Maine. Filed Aug. 26, 1927. Serial No. 215,701. 7 Claims. (Cl. 112-177.)



1. In a blindstitch sewing machine for felling a superposed layer to a base layer, the combination with a stitch forming mechanism including a non-shogging needle reciprocator in a single plane in the line of feed, and a work presenting mechanism including a presser foot and a cooperating feeding mechanism, a vertically disposed guide extending from in front of the point of needle penetration to the rear thereof for directing the upturned edge portion of the superposed layer past the stitch forming mechanism, means for projecting nodes of the base layer and the upturned portion of the superposed layer respectively into needle penetrating positions, and separate means for respectively clamping the base layer against the presser foot and the upturned portion of the superposed layer against the guide during the formation of said nodes in said layers by said plungers.

1,739,081. BLINDSTITCH SEWING MACHINE. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a Corporation of Maine. Filed Oct. 15, 1927. Serial No. 226,398. 15 Claims. (Cl. 112-178.)

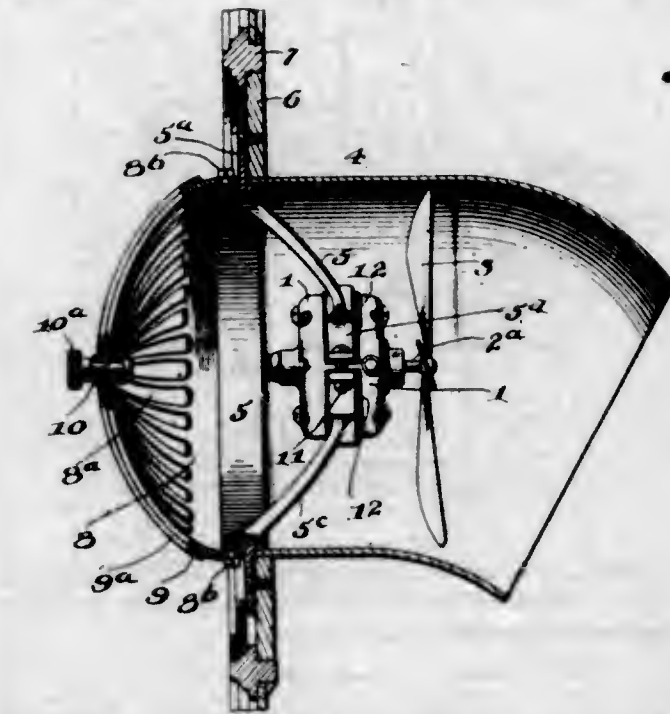


1. In a sewing machine, the combination with a stitch forming mechanism including a reciprocating needle, of a slotted presser foot, a work support, a toothed ridge forming and fabric feeding disc supported for oscillations on said work support and located in the plane of the slot in the foot, the path of needle reciprocations being in a plane crossing the plane of the disc, and means including a rock-shaft separate from the disc support for oscillating said disc.

1,739,082. VENTILATOR. LEO SIMMONS and BERKELEY LEO SIMMONS, Washington, D. C. Filed Mar. 14, 1929. Serial No. 347,121. 6 Claims. (Cl. 98-43.)

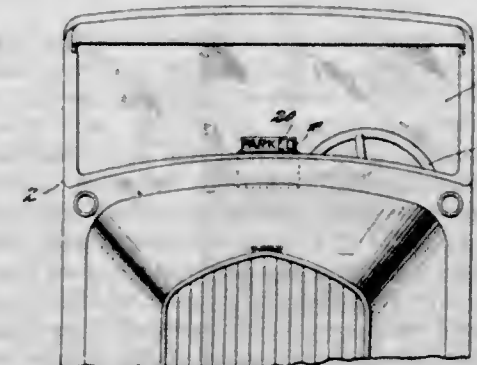
1. A ventilating unit for installation to exhaust air from a room or space and discharge at the exterior there-

of, said unit including a ventilating air exhaust pipe of substantially uniform interior dimensions throughout its length; a supporting annulus for said pipe constituting the air intake thereto; a damper arranged at the intake side of and carried by said annulus for controlling back



draft; an air exhausting suction blade rotor arranged concentrically within said pipe and spaced inwardly thereof from said annulus, clearance being provided between the circumferential exterior of the rotor and the surrounding inner surface of the pipe; and a motor carried by said annulus for driving said rotor.

1,739,083. AUTOMOBILE THEFT-PREVENTING DEVICE. PHILIP F. MULCAHY and WILLIAM C. COONY, New York, N. Y. Filed May 15, 1929. Serial No. 363,240. 3 Claims. (Cl. 116-33.)

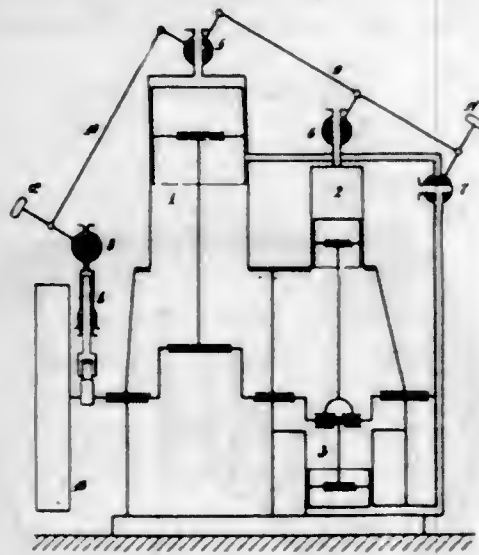


1. A theft preventing device of the class described having, in combination, a casing for attachment to the cowl-board or other suitable part of an automobile, a member mounted to slide in said casing to project one end thereof beyond and retract it into the adjacent end of the casing, said member having a notch therein, lock mechanism comprising a lock bolt adapted to be projected into said notch when the slide is in projected position to lock the slide in this position, and manually operable means independent of the lock mechanism for moving the slide when unlocked into and out of said projected position.

1,739,084. ARRANGEMENT FOR FACILITATING THE STARTING OF INTERNAL-COMBUSTION ENGINES. FRIEDRICH MÜLLER, Vienna, Austria. Original application filed Mar. 25, 1921, Serial No. 455,575, and in Austria Nov. 16, 1916, Patent No. 1,570,914, dated Jan. 26, 1926. Divided and this application filed July 15, 1925. Serial No. 43,856. 4 Claims. (Cl. 123-182.)

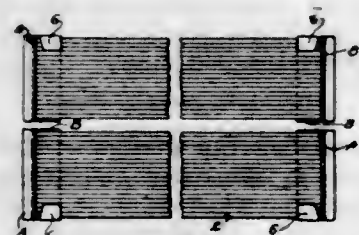
1. In a Diesel engine, or the like, and in combination, a working cylinder, one or more associated auxiliary driven

cylinders, cylinder pressure release means for said working cylinder and each said auxiliary cylinder, and means



for operating the said release means to prevent the building up of excessive pressure within all of said cylinders during the initial starting operation.

1,739,085. CARDED ARTICLE STRAP. GEORGE D. PARKER, Riverside, Calif. Filed May 24, 1927. Serial No. 193,868. 1 Claim. (Cl. 1—56.)

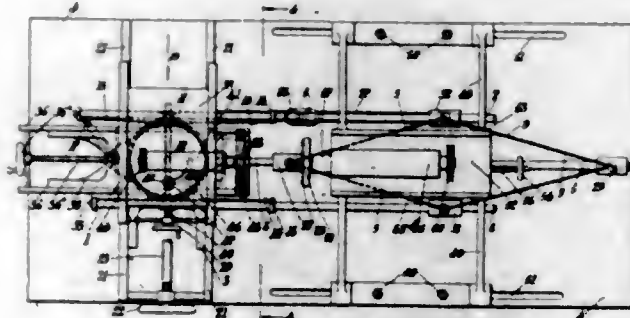


A filler for magazines of articles strapping machines, comprising a plurality of independent article straps, each comprising a body terminating at its opposite ends in angularly extended pointed terminals, said straps arranged in parallel contacting relation in a common plane with their corresponding terminals disposed in the same direction, and envelopes, each extending longitudinally of the filler at each of the sides thereof, said envelopes having portions overlying the body portions of the straps and portions overlying the outer faces of the angular extensions on said straps, said last mentioned portions being extended around the pointed ends of the straps and over the inner faces of the angular strap extensions, end portions on the envelopes for engagement with the body portions of the end straps at points removed from the point of bend of the angular strap extensions, and other end portions on said envelopes extending around the terminal side edges of the pointed ends of the end straps of the filler and cooperating with the portions of the envelopes extending over the inner faces of the pointed ends of the straps.

1,739,086. APPARATUS FOR GRINDING, SURFACING, AND POLISHING THE CURVED SURFACES OF LENSES AND THE LIKE. ARTHUR PASS, Brookside, England. Filed June 28, 1928. Serial No. 288,984. 5 Claims. (Cl. 51—54.)

1. An apparatus for grinding, surfacing, and polishing lenses and the like comprising in combination a base plate, a support for the lenses to be operated upon, a support for the grinding element, a table upon which one of said supports is mounted, sliding elements upon which said table is mounted, means for imparting a sliding movement to said sliding elements, a rod secured to said table, a

pair of rods arranged one on each side of said first named rod, one of said rods being secured to one of the sliding elements, the other being pivoted to a base plate, said rods



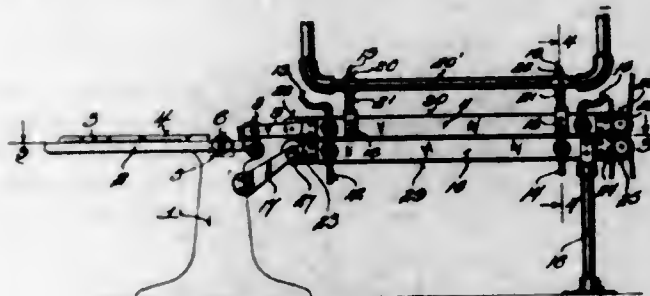
being so mounted and connected together that when the means for imparting a sliding movement to the sliding elements is operated the table and the parts carried thereby are caused to move in a parabolic curve.

1,739,087. CARD AND THE LIKE FOR CLASSIFICATION SYSTEMS. ALFRED PERKINS, Birmingham, England. Filed Sept. 27, 1928, Serial No. 308,867, and in Great Britain Oct. 27, 1927. 8 Claims. (Cl. 129—16.1.)



1. Cards for classification purposes comprising a row of holes closely adjacent to the margin thereof and other holes inward of the aforesaid row and so individually placed that they are staggered with respect to the holes in the aforesaid row for the purpose set forth.

1,739,088. MACHINE FOR GLUING VENEER EDGES. MELVIN W. PERRY, Algoma, Wis. Filed Apr. 9, 1926. Serial No. 100,842. 3 Claims. (Cl. 144—279.)

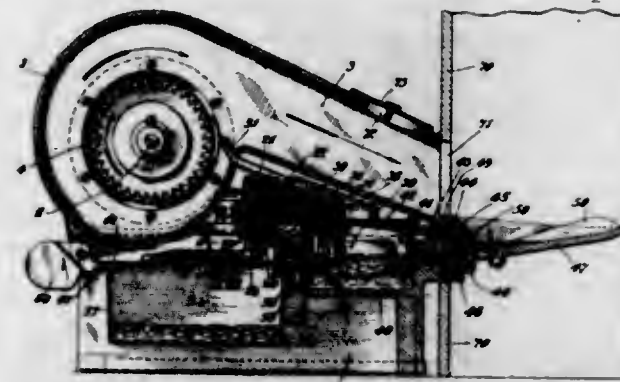


1. A machine of the class described including means for applying glue to opposed edges of veneer sheets, means for bringing said glued edges together, a pair of elongated heating units, metal belts slidably passing between said units and contacting therewith and heated thereby, and adapted to receive the glued edges of the veneer sheets and means for driving said belts.

1,739,089. BURNER FOR PRODUCING HEAT FROM LIQUID FUEL. MILTON A. POWERS, New York, N. Y., assignor, by mesne assignments, to The Timken-Detroit Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 28, 1926. Serial No. 144,706. 32 Claims. (Cl. 158—92.)

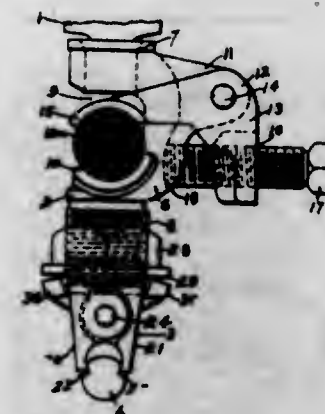
1. In a burner of the character described, in combination, a tray for liquid fuel, means for maintaining a pool of

liquid fuel on said tray, means for impinging a stream of air against the surface of said pool of fuel to create a combustible mixture of said air and vapors from said



pool of fuel, means for igniting said combustible mixture, and pneumatic means for producing a flow of liquid fuel to said tray.

1,739,090. COMBINED TROLLEY-FEEDER CLAMP. HOWARD N. RICHARDS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1927. Serial No. 190,440. 6 Claims. (Cl. 191—43.)

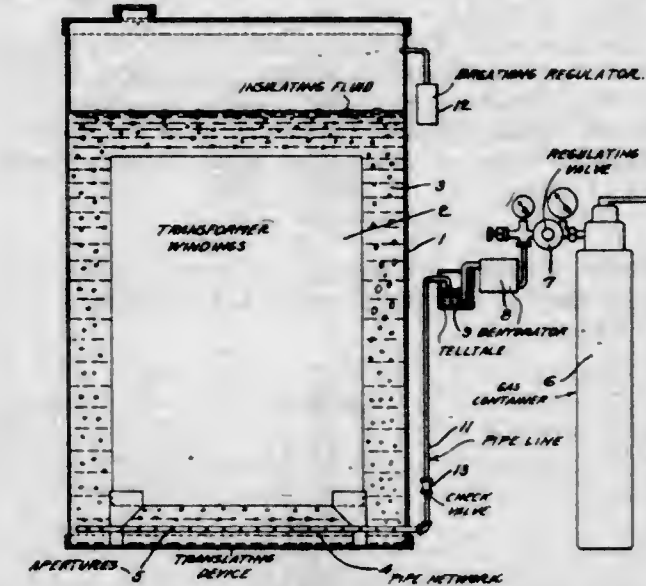


1. The combination with a trolley conductor clamp and a support therefor, of an interposed cable clamp comprising a body member adapted to connect the conductor clamp and the support, the body member having a cable-receiving channel, a bell crank lever mounted on the body member, and a bolt located in one end of the lever and adapted to force the other end of the lever against the cable.

1,739,091. PROCESS FOR REFINING CRUDE BORAX. CHARLES F. RITCHIE and WILLIAM A. GALE, Trona, Calif., assignors, by mesne assignments, to American Potash & Chemical Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 8, 1926. Serial No. 140,415. 8 Claims. (Cl. 23—59.)

1. A process for refining crude borax consisting essentially in treating crude borax with natural brine substantially saturated with respect to borax, effecting the solution of the impurities of the borax in the brine, and separating the leached borax from the brine containing the dissolved impurities.

1,739,092. ELIMINATION OF IMPURITIES IN INSULATING OILS. CLARENCE J. RODMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 21, 1924. Serial No. 745,042. 5 Claims. (Cl. 196—16.)



1. In the art of purifying the insulating oil of an electrical translating device, the step which consists in passing an inert gas into coacting relation with said medium to preserve its dielectric characteristics.

1,739,093. GAS SEPARATOR. ARTHUR HARRIS RUBY, Ponca City, Okla., assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla., a Corporation of Delaware. Filed June 17, 1926. Serial No. 116,682. 3 Claims. (Cl. 183—50.)

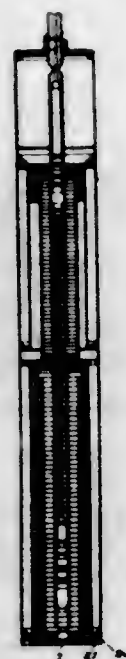


1. A gas separator comprising a cylindrical casing, a central supporting standard arranged in said casing, a plurality of baffle plates arranged in said casing and spaced vertically from each other, the lower pair of said plates being provided with perforate and imperforate portions, the perforate portion of one plate being arranged in vertical alignment with the imperforate portion of the other plate of the pair, a supporting pan arranged between adjacent plates, each pan being provided with an upstanding peripheral flange spaced from said casing, a body of filter material arranged on each of said pans and extending entirely across said casing, each body of filter material being confined by a baffle plate arranged thereabove, and a spreader arranged beneath the lowermost plate, said spreader, said plates, and said pans being carried by said standard, said casing being provided opposite said spreader with an inlet conduit adapted to feed gas into said casing against said spreader.

1,739,094. PROCESS OF PRODUCING A DRY MIXTURE OF CHEMICALS SUITABLE FOR THE PREPARATION OF FIRE FOAM. KARL SCHMIDT, Neuruppin, Germany, assignor, by mesne assignments, to Pyrene-Minimax Corporation, a Corporation of Delaware. Filed Apr. 18, 1927, Serial No. 184,832, and in Germany Sept. 1, 1926. 2 Claims. (Cl. 28-11.)

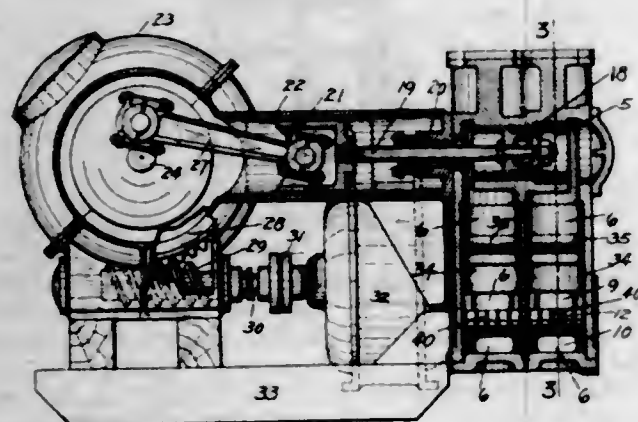
1. The process of producing a dry mixture of chemicals suitable for the preparation of fire foam, which consists in drying aluminum sulphate, sodium bicarbonate, saponin and sodium carbonate individually at about 60° C., mixing them together and adding simultaneously ground pumice to them.

1,739,095. PUMP. WILLIAM V. SEIFERT, Denver, Colo. Filed June 8, 1925. Serial No. 35,414. 19 Claims. (Cl. 103-44.)



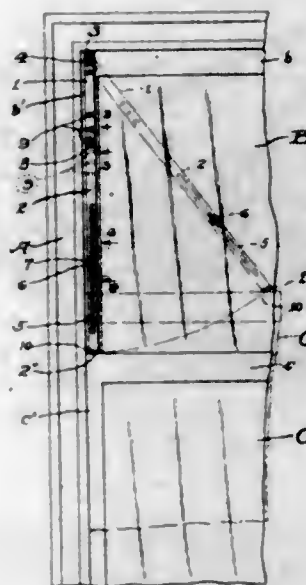
1. A pump comprising a piston-barrel, a piston movable therein, a passage surrounding the barrel for the flow of liquid from a point of intake to a point of discharge, and a fluid agent in the barrel at a side of the piston and part of the barrel to transmit the movement of the piston to the liquid.

1,739,096. MUD PUMP. WILLIAM V. SEIFERT, Denver, Colo. Filed Sept. 3, 1926. Serial No. 133,485. 5 Claims. (Cl. 103-44.)



1. In a pump having an ingress port and an egress port, a cylinder, a piston in the cylinder, a displacement cylinder connected with the first-mentioned cylinder, the displacement cylinder being in connection with the ingress and egress ports of the pump, a floating piston in the displacement cylinder, a fluid body between the first-mentioned piston and the floating piston, and a check valve in the displacement cylinder, controlling the flow of liquid through the ingress port.

1,739,097. AUTOMATIC WINDOW-SAFETY LATCH. FRED INMAN SMITH, JR., Plainfield, N. J. Filed Oct. 27, 1924. Serial No. 745,957. 5 Claims. (Cl. 292-338.)



1. A window-latching bar comprising an adjustable strut member, a pivotal connection at the upper end secured adjacent the upper part of a window, a thrust foot formed integrally with the lower end, and anti-friction means on said foot adapted to engage an upper surface portion of the lower sash after the bar has been swung partially out of its vertical position.

1,739,098. TOY. WILLIAM I. SMITH, Brooklyn, N. Y. Filed Apr. 4, 1929. Serial No. 352,432. 4 Claims. (Cl. 46-40.)

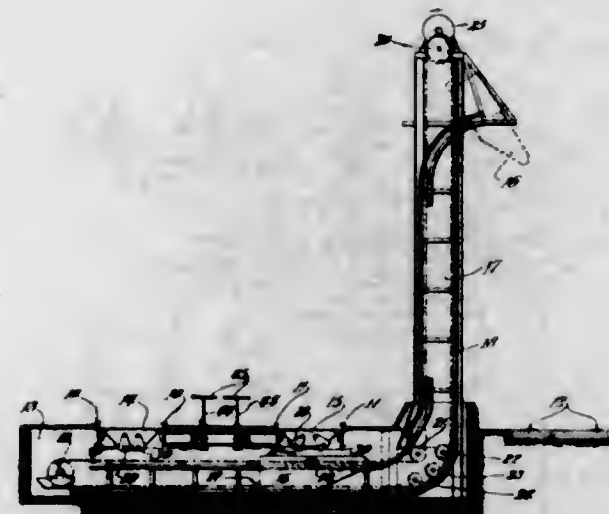


3. Toy representing a conventional bath tub of floating material, an inner shoulder formed therewith, a perforated sheet of transparent celluloid within said tub resting on said inner shoulder and representing the water level in said tub, figures of children facing each other and in sitting posture on the bottom of said tub, extending through the perforations in said sheet and held in position by the walls of said perforations and a wash rag and sponge within said tub.

1,739,099. MATERIAL-MOVING APPARATUS. BARTON S. SNOW, Wheaton, Ill., assignor to T. W. Snow Construction Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 1, 1928. Serial No. 145,517. 13 Claims. (Cl. 214-125.)

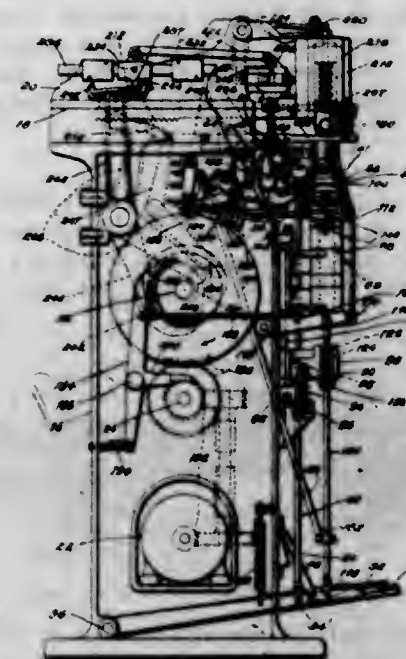
1. In material-moving apparatus, the combination of material-moving means, means for supplying material thereto and comprising a controlling element and manually-controlled means by which said element is actuated,

and releasable means controlled by said material-moving means for preventing the operation of said element by said



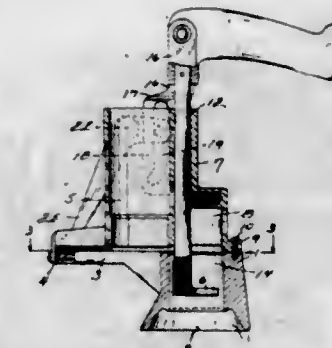
manually-controlled means to supply material from said second-named means, unless said first-named means is in position to receive the material.

1,739,100. HEEL-SEAT-FITTING MACHINE. WILLIAM C. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 7, 1923. Serial No. 673,379. 38 Claims. (Cl. 12-17.)



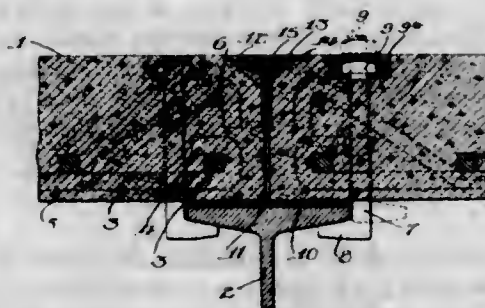
1. A heel seat fitting machine having, in combination, means for deflecting the peripheral portion of the heel seat of the sole of a shoe, a knife, means for causing relative movement of the knife and the sole in a direction substantially at right angles to the tread surface of the sole to bring the cutting edge of the knife into engagement with the sole at its heel breast line, and means for causing relative movement of the knife and the sole in another direction to cause the knife to trim off surplus material from the sole from the heel breast line rearwardly.

1,739,101. BOTTLE-CAPPING DEVICE. GUSTAV E. STRANDT, Milwaukee, Wis., assignor, by mesne assignments, to Cherry-Burrell Corporation, Cedar Rapids, Iowa, a Corporation of Delaware. Filed June 25, 1926. Serial No. 118,447. 7 Claims. (Cl. 226-92.)



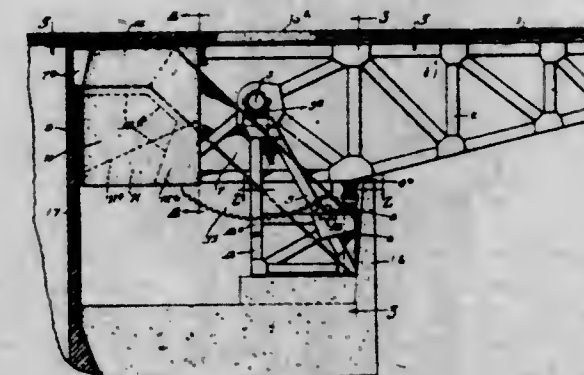
7. In a bottle capping mechanism, the combination of a cap feeder provided with a slide for successively pushing caps into capping position and a cap inserting plunger provided with means for effecting a two step retraction of the slide at different stages of the cap inserting movement of the plunger.

1,739,102. PAVEMENT. JOSEPH B. STRAUSS, Chicago, Ill. Filed Oct. 27, 1921. Serial No. 510,955. 8 Claims. (Cl. 94-3.)



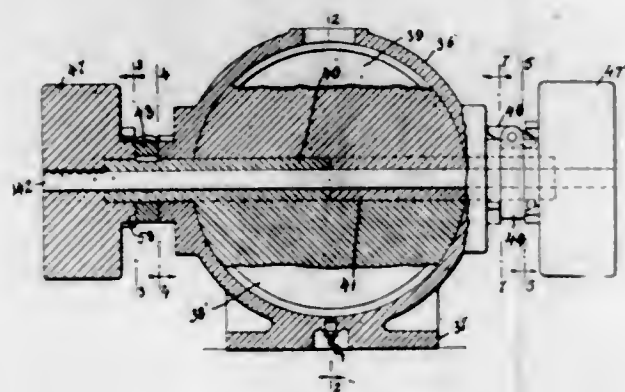
4. A concrete pavement having a continuous upper surface of concrete material with means for limiting the cracks due to contraction and expansion to predetermined areas, said means comprising strips of frangible concrete material on said surface at predetermined intervals therealong.

1,739,103. BRIDGE. JOSEPH B. STRAUSS, Chicago, Ill. Filed Feb. 29, 1924. Serial No. 695,879. 11 Claims. (Cl. 14-36.)



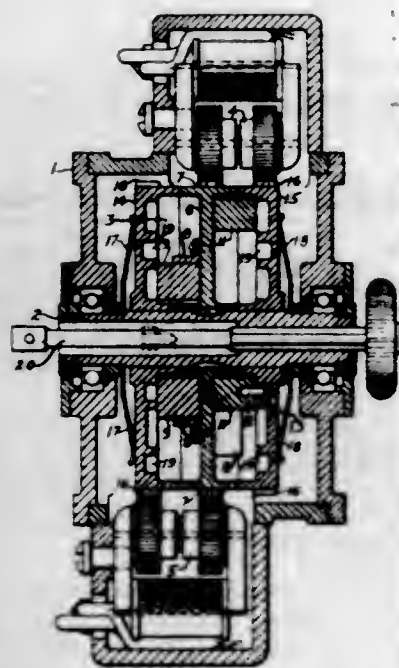
1. A bascule bridge comprising two separated trusses, trunnions for said trusses, outside supports upon which one end of each of said trunnions is mounted, means associated with said supports for resisting the vertical, longitudinal and transverse forces thereon, an underneath concrete counterweight located under the roadway and extending between the trusses and comprising a top portion rigidly connected to the ends of the trusses, and portions projecting outwardly and laterally from said rigidly connected portion and cantilevered therefrom, said cantilevered portions being provided with means to clear said outside supports when the bridge is open.

1,739,104. ROTARY INTERNAL-COMBUSTION ENGINE. HERMAN TROPP, New York, N. Y. Filed Mar. 7, 1929. Serial No. 344,947. 5 Claims. (Cl. 123-11.)



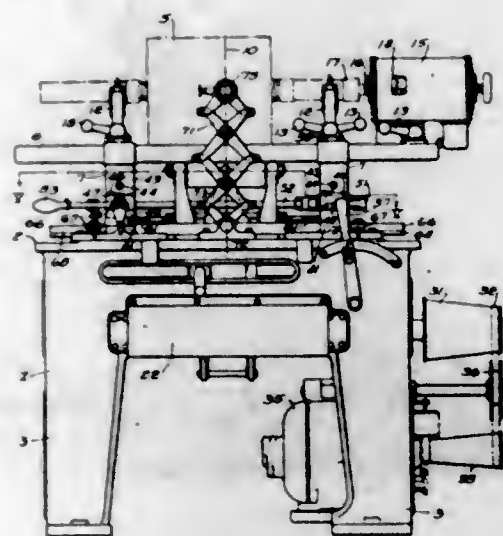
5. In a rotary internal combustion engine, a housing having an exhaust and inlet opening and means for igniting a charge, a pair of rotors each having a sleeve projecting out of the housing, a shaft revoluble in the sleeves, a collar for each of the sleeves constrained to revolve therewith, a rocker arm in each of the sleeves, cams carried by the shaft for connecting the rocker arms, and cams carried by the housing for engaging the said rocker arms, the engagement of the said rocker arms with said cams on the shaft and housing coupling and uncoupling said rotors to the shaft and housing.

1,739,105. BALANCING MACHINE. WILLIAM E. TRUMPLER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 31, 1928. Serial No. 98,747. 12 Claims. (Cl. 73-51.)



1. In a counterbalancing head for balancing machines, the combination with two balancing weights adapted to be moved at right angles to each other, of means for radially adjusting the position of the weights while the balancing head is rotating.

1,739,106. BALANCING MACHINE. WILLIAM E. TRUMPLER, Easton, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1928. Serial No. 285,949. 14 Claims. (Cl. 73-51.)

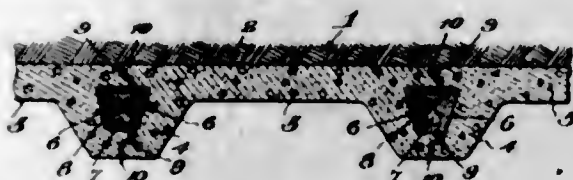


1. The combination, in a balancing machine, of a supporting base and a spring system comprising a plurality of leaf springs so mounted and interconnected on said base that their transverse axes lie in planes having a common line of intersection, said springs being adjustable to change the angle of intersection of the planes.

1,739,107. PROCESS OF MAKING CHROMIC ACID. MARVIN J. UDY, Niagara Falls, N. Y. Filed Nov. 5, 1925. Serial No. 67,152. 6 Claims. (Cl. 204-9.)

1. Process of making chromic acid which comprises passing current between an insoluble anode and a cathode in contact with an electrolyte containing trivalent chromium between approximately 15% and 80% CrO_3 , the composition of the electrolyte throughout the space between the electrodes being substantially uniform.

1,739,108. BULKHEAD-WALL CONSTRUCTION. CARL WEBER, Jacksonville, Fla., assignor to Shore-Line Builders, Inc., Jacksonville, Fla., a Company of Florida. Filed Mar. 13, 1928. Serial No. 261,263. 6 Claims. (Cl. 61-39.)

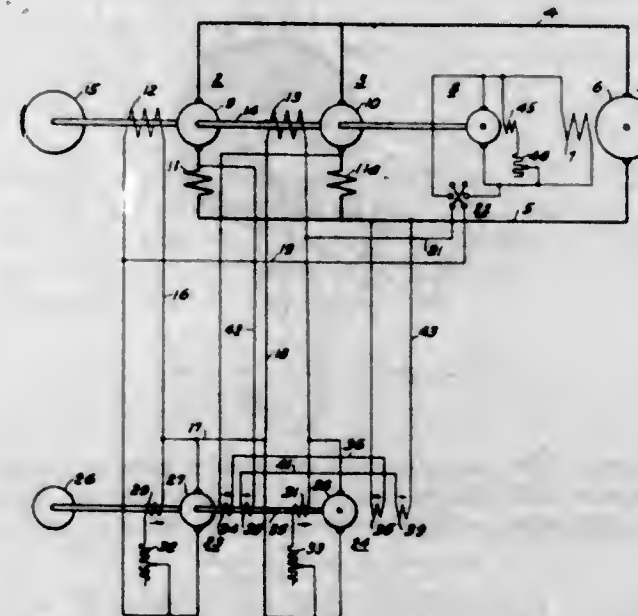


1. A retaining wall, comprising a row of driven metal piles, concrete slabs recessed at their ends to enclose said piles, and hangers passed over the tops of the latter and having their ends embedded in the end faces of said slabs to support and align the same said recesses being filled with cement to form an integral waterproof structure.

1,739,109. MOTOR-CONTROL SYSTEM. ROY J. WENSLEY, Edgewood, and MELVILLE J. WOHLGEMUTH, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1928. Serial No. 101,251. 5 Claims. (Cl. 172-239.)

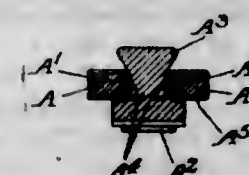
1. In combination, a direct-current motor and two generators therefor connected in parallel-circuit relation, an

exciter armature for each generator, a pair of differentially-related field windings for each exciter armature, and means for energizing said field windings in accordance with the loads on said generators.



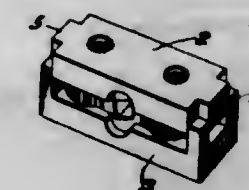
2. In combination, a pair of generators comprising field windings connected in series-circuit relation, a pair of exciter armatures respectively connected to said field windings and means for differentially varying the voltages of said exciter armatures to balance the load on said generators.

1,739,110. PRINTER. HAROLD E. WHEELER, Chicago, Ill. Filed Jan. 23, 1928. Serial No. 248,645. 3 Claims. (Cl. 101-381.)



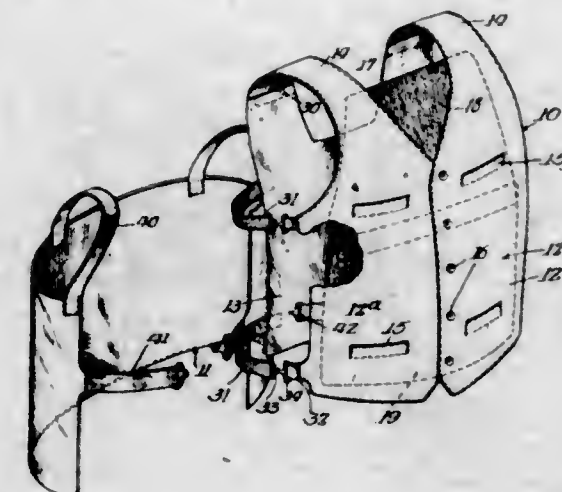
1. As a new article of manufacture, a type holder adapted for use with a plurality of longitudinally aligned type, said holder including a pair of substantially rigid opposed parallel members adapted for engagement with the type therebetween, said rigid members being provided, on the type engaging faces, with yielding, type gripping elements, and clamping means for securing said members about said type.

1,739,111. PRINTER'S QUOIN. OLAF C. WIEDEMANN, Revere, Mass. Filed Feb. 20, 1929. Serial No. 341,500. 5 Claims. (Cl. 254-40.)



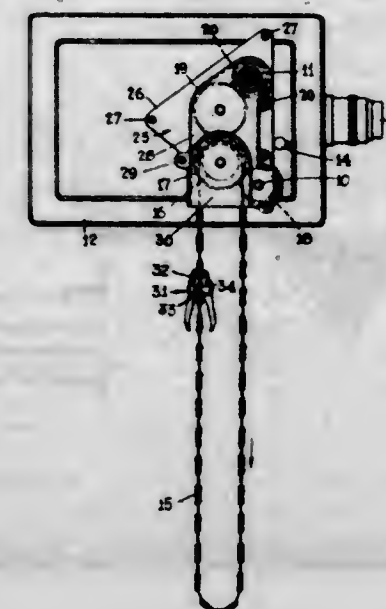
1. A printer's quoin comprising two side pieces, two driven worms positioned endwise between said side pieces, a driving worm engaging both of said driven worms, cams on the ends of said driven worms, and parts on said side pieces cooperating with said cams to cause the rotation of said driven worms to force the side pieces apart.

1,739,112. ARMOR. LOUIS WISBROD, Chicago, Ill., assignor to Chicago Armor Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1928. Serial No. 250,971. 9 Claims. (Cl. 89-36.)



1. Body armor consisting of sections, each section embodying two series of overlapped spring steel strips, arranged one in front of the other, said strips being of substantially the same resiliency as the body of the person on whom the armor is to be worn.

1,739,113. WINDING MEANS FOR MOTION-PICTURE CAMERAS. LUIS AZARRAGA, Hempstead, N. Y. Filed Apr. 20, 1928. Serial No. 271,435. 7 Claims. (Cl. 185-39.)

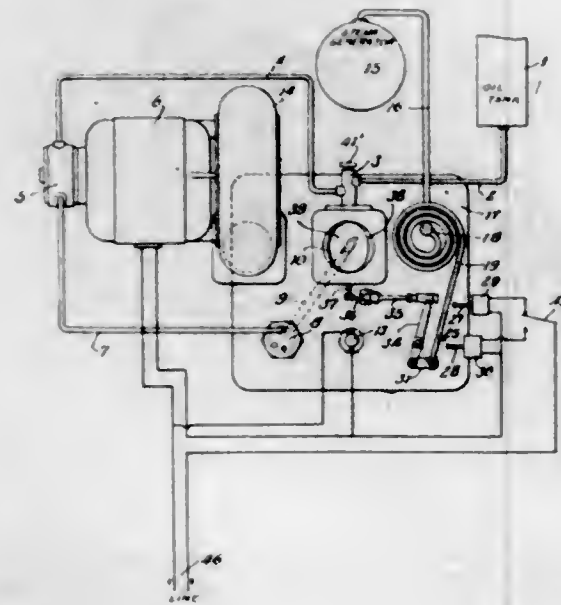


1. The combination, with an automatic motion picture camera including a winding shaft and a shaft rotatable as the camera mechanism is set in motion, of winding mechanism manually operable to rotate said first mentioned shaft, and a connection between said winding mechanism and said second mentioned shaft for rotating the latter in the same direction as that induced by the camera mechanism during a winding operation.

1,739,114. FLUID-PRESSURE CONTROL. WILLIAM E. BAKER, Erie, Pa., assignor to William Edgar Baker and George Alton Frantz as trustees of The Webb Engineering Company, a Trust Estate, Cleveland, Ohio. Filed Aug. 22, 1924. Serial No. 733,498. 10 Claims. (Cl. 236-26.)

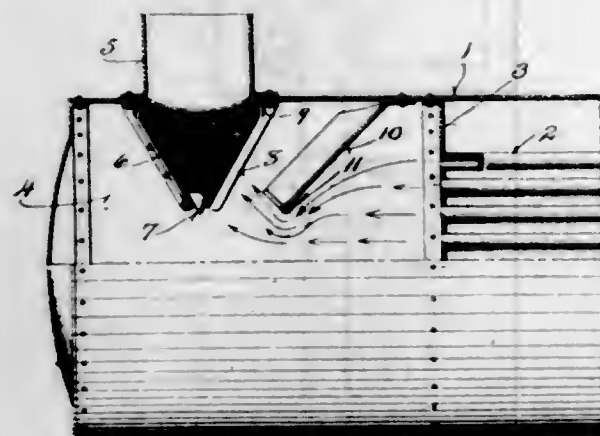
1. In combination, a burner, ignition means for said burner, a generator of fluid under pressure, a hollow

spirally wound expansion member connected with said generator at one end, the other end extended tangentially, a valve spindle and co-operable valves carried by



said spindle, articulated connections between the said spindle and said tangential end for simultaneously controlling the flow of fuel and air to the burner.

1,739,115. SPARK ARRESTER. STEPHEN BALDYZAR, Milwaukee, Wis. Filed Mar. 28, 1927. Serial No. 179,055. 1 Claim. (Cl. 183-72.)

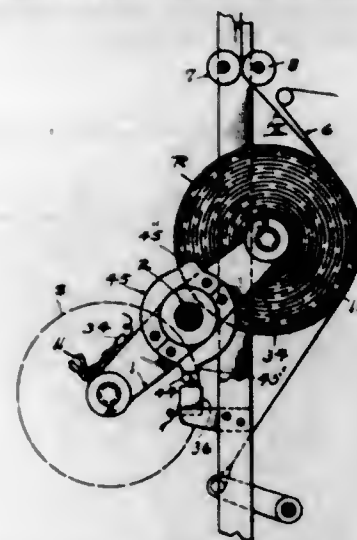


A spark arrester comprising a conical wire mesh member having a solid lower end, said conical member being adapted for attachment to the lower end of a stack, an inclined arcuate shaped baffle plate positioned at one side of said conical member and extending downwardly to approximately the position of the lower end of the conical member, and an arcuate lower member secured to the lower edge of the baffle plate to reinforce the same.

1,739,116. WEB-ROLL-CONTROLLING MECHANISM. HARRY V. BALL, Concord, Mass., and ROBERT D. SMALLEY, Brooklyn, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 27, 1926. Serial No. 144,477. 39 Claims. (Cl. 242-75.)

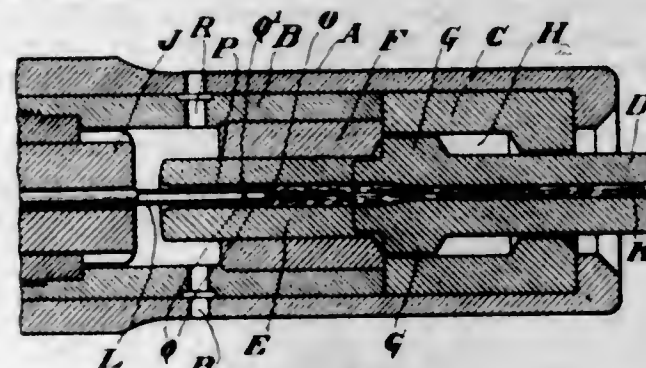
16. In a web controlling mechanism for printing presses, the combination of a rotary support for supporting a web roll while unwinding, electrically operated means for driving the press, electrically operated means under the con-

trol of the press motor for effecting a rotation of the support upon the stoppage of the press to take up slack in the



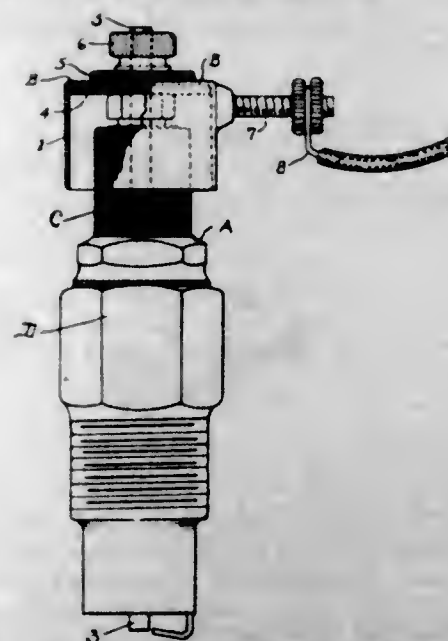
web, means for automatically effecting a reverse rotation of the support upon the restarting of the press, and means for limiting the return movement of the support.

1,739,117. WATER TUBE FOR ROCK DRILLS. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 22, 1928. Serial No. 307,622. 4 Claims. (Cl. 121-10.)



1. In a rock drill, the combination of a holder and a drill steel extending into the holder, said drill steel having a passage, a water tube in the drill having a nozzle for introducing water into the passage, and means for forming an envelope of water around the nozzle to prevent air from being drawn into the passage.

1,739,118. SPARK GAP AND SHIELD. EARL E. BIDWELL, Wichita, Kans. Filed Feb. 14, 1927. Serial No. 168,143. 11 Claims. (Cl. 123-148.)



1. In a spark gap and shield, in combination with a spark plug, a hood having an aperture in the top thereof

to receive the electrode of the plug, said aperture being greater in diameter than the electrode, an insulation member positioned in the top of the hood, an insulation member to engage on the outside of the top of the hood, apertures through said insulations in registry with each other and concentrically positioned to the aperture in the hood to receive the electrode snugly, a binding post attached to the exterior and near the top of the hood, means for connecting the current wire to the post.

1,739,119. METHOD OF RECLAIMING CAR AXLES. JOHN R. BLAKESLEE, Willoughby, Ohio, assignor to The Ajax Manufacturing Company, Euclid, Ohio, a Corporation of Ohio. Filed Dec. 10, 1926. Serial No. 153,895. 2 Claims. (Cl. 29-185.)



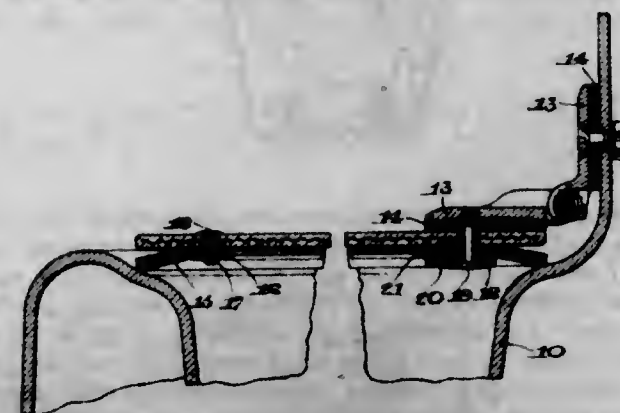
1. A method of reclaiming axles, which comprises punching off the end collars, and swage-lengthening the axles, upsetting new end collars, and finishing to dimension.

1,739,120. TRAIN-CONTROL SYSTEM. THEODORE BODDE, Niagara Falls, N. Y., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Substitute for abandoned application Serial No. 415,887, filed Feb. 14, 1908. This application filed Jan. 16, 1926. Serial No. 81,640. 6 Claims. (Cl. 246-63.)



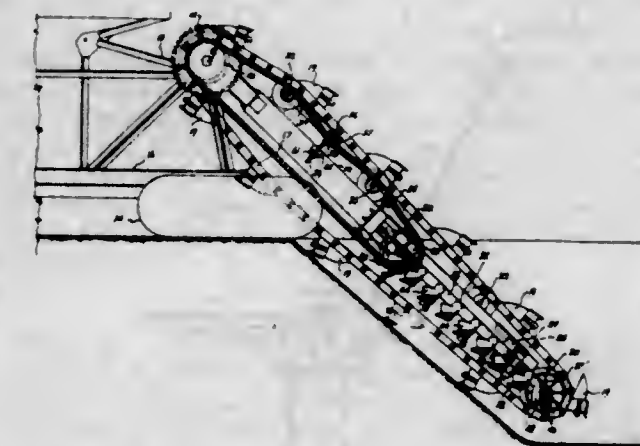
1. In combination a moving railway car, a rotating armature carried thereby and provided with armature conductors, means for varying the magnetic field in which said armature turns, comprising a stationary magnetic body, and controlling mechanism on the car actuated by the change in current flow in the armature conductors resulting from the change in said field, said controlling mechanism including a magnetic body in proximity to said armature and arranged to be moved from a normal position to another position when current of a sufficient strength is flowing in the conductors in said armature.

1,739,121. SWINGING COVER FOR DISHWASHERS AND THE LIKE. FRANK G. BAOTZ, Kohler, Wis., assignor to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Filed Nov. 18, 1925. Serial No. 69,836. 14 Claims. (Cl. 220-46.)



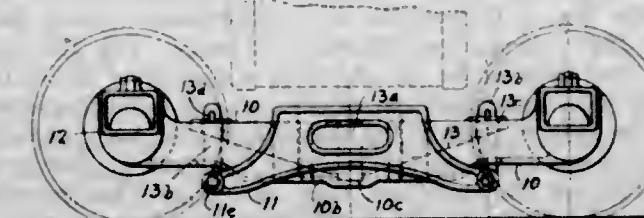
2. In combination with the container of a dishwasher or the like having an inclined rim, a hinged cover therefor having an inclined rubber lip surrounding it and spaced from its edge and contacting with the inclined rim to form an air-tight and water-tight sealing connection therewith.

1,739,122. TRENCH-DIGGING MACHINE. ROBERT L. BROWN, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 14, 1926. Serial No. 115,821. 20 Claims. (Cl. 87-88.)



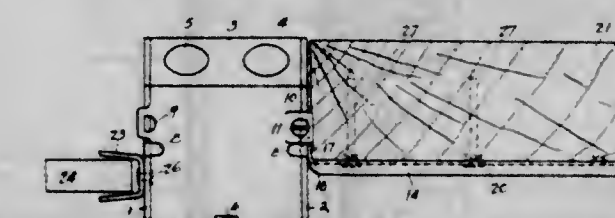
20. In a trench digging machine, the combination with a boom and excavating buckets carried thereby, of digging means arranged along one side of the boom, means for supporting the digging means upon the boom and driving means for imparting movement in an endless path to one end of the digging means whereby the digging means is operable to excavate earth with a plowing action.

1,739,123. TRUCK FOR RAILROAD VEHICLES. ALFRED W. BRUCE, New York, N. Y. Filed Sept. 13, 1927. Serial No. 219,252. 10 Claims. (Cl. 105-192.)



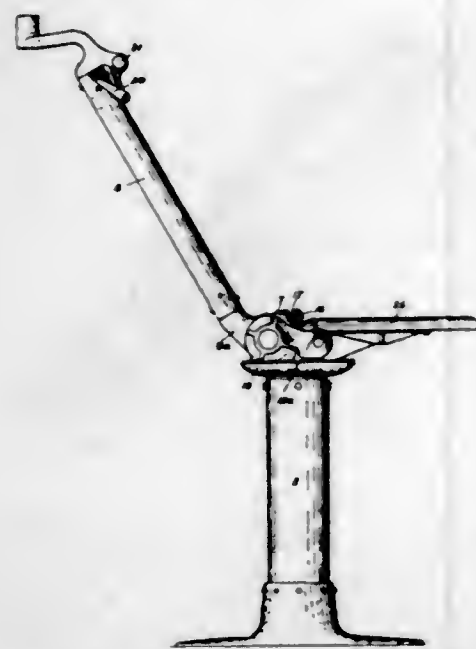
1. In a truck for railroad vehicles, the combination of two side frame members, each formed as an integral casting, and comprising a journal box at each end; and a bolster, formed as an integral casting and embodying, at each end, means by which it is locked to the adjacent side frame member, to permit only limited relative vertical movement, comprising end top portions above and normally spaced from the side frame members, and members below and normally spaced from the side frame members.

1,739,124. SWITCH BOX. GEORGE H. CALHOUN, Mansfield, Ohio. Filed Nov. 30, 1925. Serial No. 72,104. 1 Claim. (Cl. 247-21.)



The combination with a switch box having side walls, of a laterally extended channel shaped member attached to one sidewall, said member having a plurality of perforations with upstanding jagged edges, and a flexible U-shaped member attached to the opposite side wall.

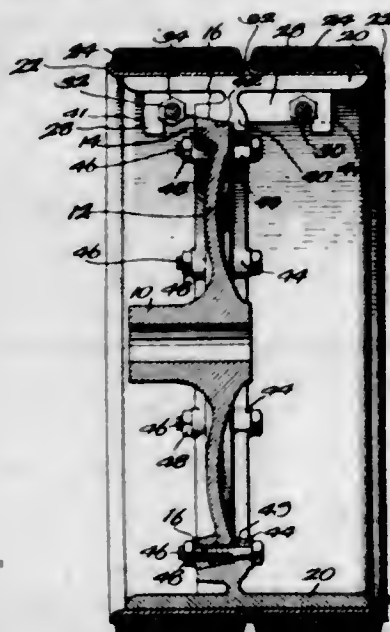
1,739,125. PEDESTAL MOUNT FOR AIRCRAFT GUNS. RICHARD C. COUPLAND, Dayton, Ohio. Filed May 7, 1927. Serial No. 189,554. 8 Claims. (Cl. 89—40.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



8. A mount for guns embodying a pedestal, a yoke mounted therein, a gun supporting standard trunnioned in the yoke, and a seat detachably secured to the yoke.

1,739,126. METHOD OF MAKING DUCTILE HIGH-SILICON-STEEL SHEETS. RALPH R. CURRY, Tarentum, Pa., assignor to Allegheny Steel Company, Brackenridge, Pa., a Corporation of Pennsylvania. Filed July 27, 1927. Serial No. 208,897. 5 Claims. (Cl. 29—18.)
1. That step in the art of rolling silicon steel sheets for use in electrical apparatus, which consists in rolling sheet bars in slowly raising the temperature of such bars to rolling temperature and in holding the same at that temperature for at least one hour whereupon ductile relatively thin sheets may be rolled therefrom.

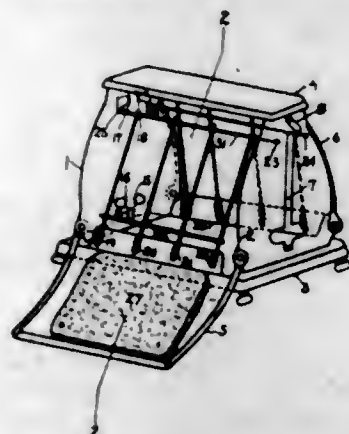
1,739,127. DUAL-TIRE WHEEL. FRANK S. DAVIS, Homewood, and LEONARD S. BURNS, Harvey, Ill., assignors to Anstin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 16, 1926. Serial No. 141,934. 6 Claims. (Cl. 301—13.)



2. In a wheel of the character described, an expansible tire carrying felly, a wheel body inside and independent

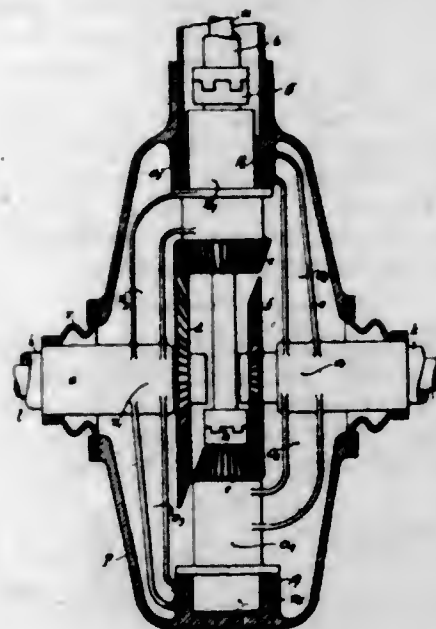
of the felly, said wheel body and said felly engaging each other along an annular wedge-surface, means for forcing the wheel body laterally into an engagement with the felly along said wedge surface to expand the felly, and means carried by the felly for expanding and contracting it independently of said lateral adjusting means, said independent expanding and contracting means including means for locking the felly in expanded relation.

1,739,128. ELECTRIC TOASTER. JOHN F. DIRZWEIT, Baltimore County, Md., assignor to William W. Varney, Baltimore, Md. Filed Apr. 5, 1927. Serial No. 181,188. 5 Claims. (Cl. 219—19.)



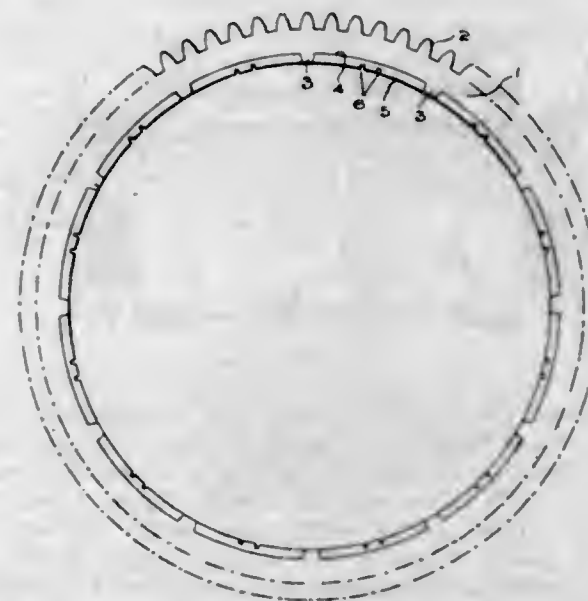
1. In an electric heater, provided with an electric heating element, a casing thereof comprising a metallic body coated adjacent to the heating elements thereof with a non-oxidizable heat resisting enamel.

1,739,129. MOTOR-VEHICLE TRANSMISSION MECHANISM. WALTER DORLHOFF, Berndorf, Austria. Filed Mar. 6, 1928. Serial No. 250,507, and in Austria Mar. 26, 1927. 4 Claims. (Cl. 180—73.)



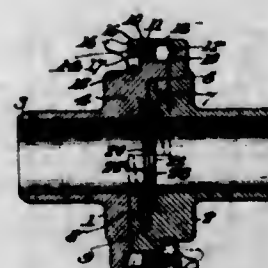
1. In a motor vehicle transmission mechanism, the combination of a housing having diametrically opposed and coaxial bearing portions, a pair of bracket members, each bracket member having an intermediate bearing portion and a pair of arms terminating in bearing portions whose axis is normal to the axis of the intermediate bearing portion, said terminal bearing portions fitting the housing bearing portions, first and second bevel gears carried by the intermediate bearing portions, first and second bevel pinions carried by terminal bearing portions, a hollow shaft connected to the first pinion, and an internal shaft extending through the hollow shaft, the first pinion, transversely of the housing and connected to the second pinion.

1,739,130. FLEXIBLE GEAR. GEORGE M. EATON, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 8, 1924. Serial No. 704,982. 2 Claims. (Cl. 74—29.)



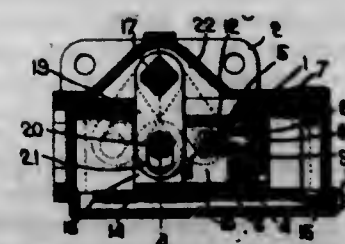
1. A gear rim having a toothed outer periphery, recesses in its inner face and insert portions secured in the recesses, said insert portions being provided with indexed slots for mounting in the gear rim.

1,739,131. HOSE COUPLING. FREDERICK VAN NESS EICK, Bedminster, N. J. Filed May 31, 1924. Serial No. 717,064. 3 Claims. (Cl. 285—60.)



2. A hose coupling of the character described comprising, homologous complementary members adapted to be united by relative movement in a direction at an angle to their axes, each said member having a plurality of semi-annular ribs tapered in opposite directions from their middles, a semi-annular groove adjacent one of said ribs and tapered from narrow at its middle to wide at its ends, and a semi-annular groove adjacent another of said ribs and tapered from wide at its middle to narrow at its ends, said grooves being adapted for interengagement with ribs of the other said complementary member.

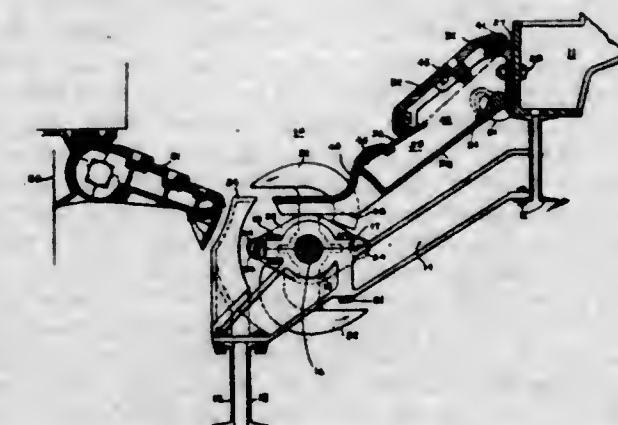
1,739,132. SHOCK ABSORBER. ERNST FLENTJE, Cambridge, Mass. Filed Nov. 19, 1927. Serial No. 234,402. 1 Claim. (Cl. 188—88.)



In a shock absorber, the combination with a cylinder member, of a plunger therein, said plunger having a slot

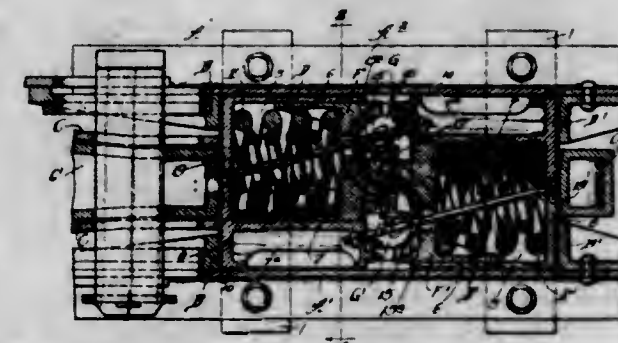
extending from one end nearly to the other end and extending from one side nearly to the other side, the un-slotted end of the piston being provided with a port which leads from the end face of the piston into the slot, a spring-pressed valve for closing said port, said cylinder having a by-pass extending from one end thereof to the other around the piston, a valve adjustable from the end of the cylinder for controlling the by-pass, a rock shaft journaled in the cylinder member and situated outside of the plunger, a slotted arm fast on the rock shaft extending into the slot of the plunger, a pin carried by the plunger and extending through the slot of said arm, a second arm on the rock shaft outside the cylinder member, means for connecting said cylinder member to the frame of the automobile, and means for connecting said second arm to the axle of the automobile.

1,739,133. COMBUSTION APPARATUS. ROBERT A. FORESMAN, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 26, 1925. Serial No. 4,728. 14 Claims. (Cl. 110—32.)



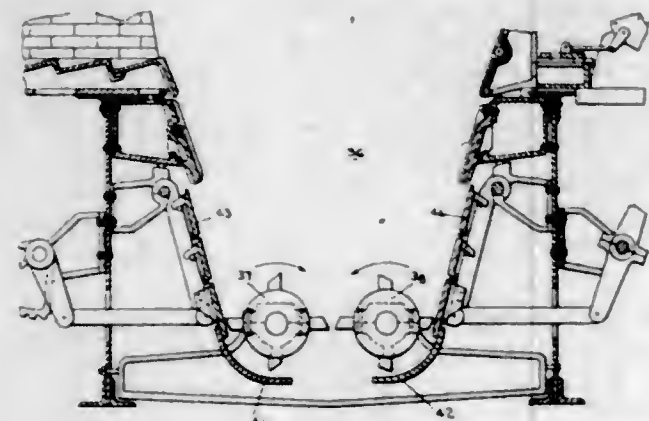
3. In combination with a progressive fuel feed grate, an extension grate formed in two movable sections, each section being pivotally mounted on the end of the progressive fuel feed grate, one end of the upper section sliding on the lower section during movement of the sections about the pivots.

1,739,134. DRAFT GEAR. JOSEPH E. FORSYTH, Chicago, Ill., assignor to Forsyth Draft-Gear Corporation, a Corporation of Illinois. Filed Dec. 6, 1926. Serial No. 152,838. 5 Claims. (Cl. 213—28.)



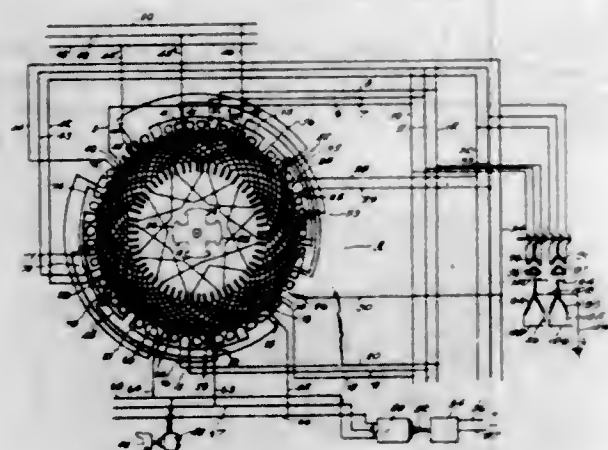
1. In a draft-gear, the combination of a pair of opposed follower-blocks, each presenting an inner end-bearing abutment and each having a chamber provided with opposed lateral walls, spring-caps mounted in said chambers having shank-portion confined between said lateral walls, a spring confined between said spring-caps and the remote ends of said chambers, and a rock-lever having head-portion confined between said spring-caps and the opposed bearing abutments of the follower-blocks.

1,739,135. REFUSE PIT. ROBERT A. FORESMAN, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 11, 1927. Serial No. 167,545. 2 Claims. (Cl. 110-165.)



1. In combustion apparatus, the combination of a pit for receiving the refuse and including an upwardly-extending side wall; a refuse grinding roll arranged within the lower portion of said pit and having its axis disposed in spaced, substantially parallel relation with the side wall of the pit; said grinder roll being provided with projections thereon for grinding the refuse out of said pit, and being supported for rotary motion in a direction to move the refuse away from said side wall; and a shield member forming an extension of said side wall and extending beneath the roll and beyond a vertical plane passing through the axis of said roll to provide a means for minimizing the sifting of relatively fine particles of refuse from between the roll and the side wall of the pit; a substantial part of the lower portions of said shield being arranged in a substantially horizontal plane.

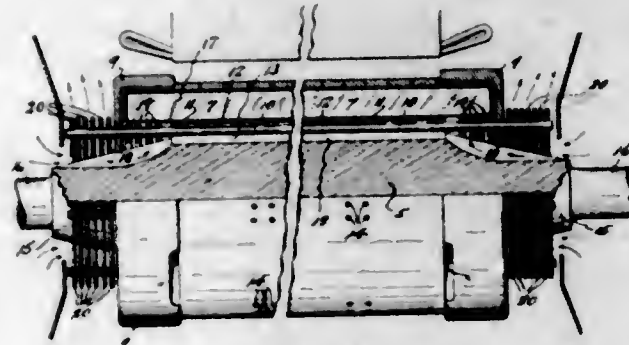
1,739,136. ALTERNATING-CURRENT GENERATOR AND ELECTRIC SYSTEM INCLUDING THE SAME. FRAZER W. GAY, Newark, N. J. Filed Dec. 17, 1927. Serial No. 240,713. 5 Claims. (Cl. 172-237.)



1. In a generating system, a turbo generator, said generator having two polyphase power windings, the coils of alternate polar groups being connected together to form one power winding and the coils of the remaining polar groups being connected together to form the other power winding.

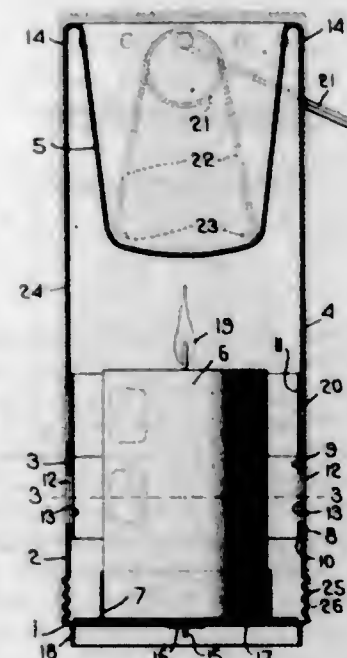
2. In a generating system, duplicate independent electrical circuits, a turbo generator, said generator having two polyphase power windings, the coils of alternate polar groups being connected together to form one power winding and the coils of the remaining polar groups being connected together to form the other power winding and each of said power windings being connected independently to one of said electrical circuits.

1,739,137. HEAT-TRANSFER MEANS FOR ROTATING ELECTRICAL MACHINERY. FRAZER W. GAY, Newark, N. J. Filed Mar. 26, 1928. Serial No. 264,725. 10 Claims. (Cl. 171-252.)



1. In an electrical apparatus having rotating means within which heat is generated during operation, means for dissipating said heat comprising a plurality of sealed tubes partially filled with a volatile liquid refrigerant, said tubes lying partly within and partly without said rotating means whereby the volatile liquid within the interior portions of the tubes is subjected to the generated heat to cause said refrigerant to boil and thus produce a flow of vapor from the interior to the exterior parts of the tubes and a return flow of condensed liquid from the exterior to the interior parts of said tubes, and means for circulating air through said rotating member contiguous to said tubes.

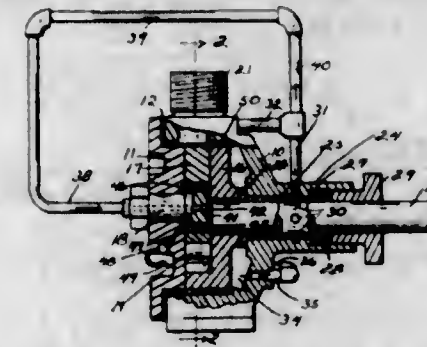
1,739,138. WATER HEATER. BEDROS GIRAGOSIAN, Woburn, Mass. Filed Feb. 23, 1928. Serial No. 256,133. 1 Claim. (Cl. 126-344.)



A water heater comprising a housing presenting a base section, an intermediate section and an upper section, a cup or receptacle carried by the upper section, a candle holder located in the base section and adapted to support a candle for heating material in said cup, said intermediate section being separable from the base section and the lower end of the intermediate section telescoping over the upper end of the base section, the overlapping portions of said two sections being provided with draft openings, the size of which may be varied by turning the intermediate section relative to the base section, the upper section being separable from the intermediate section and the lower end of the upper section being of a size to telescope over either the upper end of the intermediate section or the upper end of the base section, said lower end of the upper section being also provided with draft openings which are

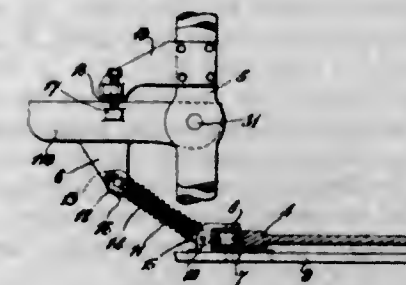
closed by the upper end of the intermediate section when the upper section is supported by the intermediate section but which register with the draft openings of the base section when the upper section is applied directly to the base section, whereby the housing may be constituted by all three sections or by the upper section and base section only dependent on the length of the candle being used.

1,739,139. PUMP. HIRAM H. HAIGHT, Milwaukee, Wis. Filed May 18, 1925. Serial No. 30,952. 12 Claims. (Cl. 103-126.)



1. In a pump, the combination with a casing part and a part movable therein in bearing contact therewith and exposed to material acted upon by the pump, of dielectric bearing material disposed between said parts; all metallic parts of said pump which are exposed to the material acted on thereby being of the same metal to prevent electrolytic action in said pump.

1,739,140. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Wythall, near Birmingham, England. Filed Sept. 17, 1927. Serial No. 220,217, and in Great Britain Nov. 18, 1926. 7 Claims. (Cl. 49-14.)

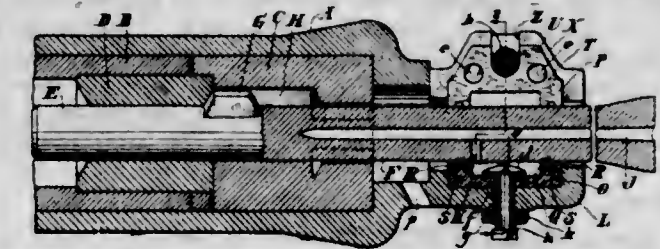


3. In a machine for the manufacture of glass articles comprising a fixed element, a frame movable with respect to such element, and a table carrying a mould, said table being pivotally mounted upon the frame; means for raising and lowering the table including a cam in connection with the fixed element, a bracket carried on the underside of and towards the end of the pivoted table remote from the movable frame, a slide mounted in a suitable guide in the frame, the said slide being furnished with means for carrying a cam roller cooperating with the before mentioned cam, a link pivotally mounted at one end to the before mentioned bracket and at the other end to the before mentioned slide, spring buffering means allowing for the shortening of the distance between the pivotal connections of the link with respect to the slide and the bracket, a stop on the swinging table and a corresponding cooperating stop on the fixed portion of the frame, in order to limit the motion of the swinging table and allow it to be firmly held in a definite position under spring control, substantially as described.

1,739,141. LIQUID-FEEDING DEVICE FOR ROCK DRILLS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 18, 1928. Serial No. 306,738. 4 Claims. (Cl. 121-10.)

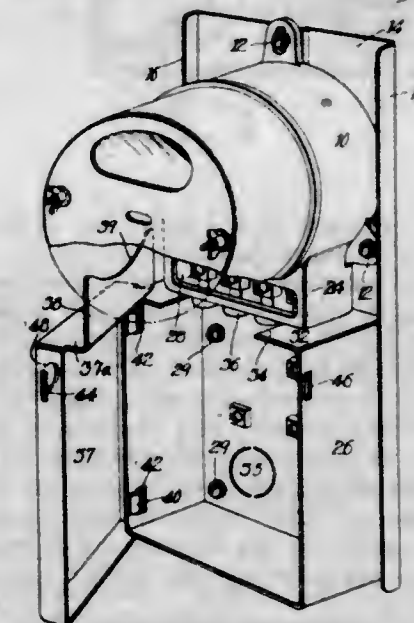
1. In a fluid actuated rock drill, the combination of a front head and a drill steel having a passage, a lug on the drill steel, an extension on the front head through

which the drill steel extends and having an open side to permit the passage of the lug through the extension, means secured to the extension to form a closure therefor, and a flexible sleeve in the extension forming a chamber for



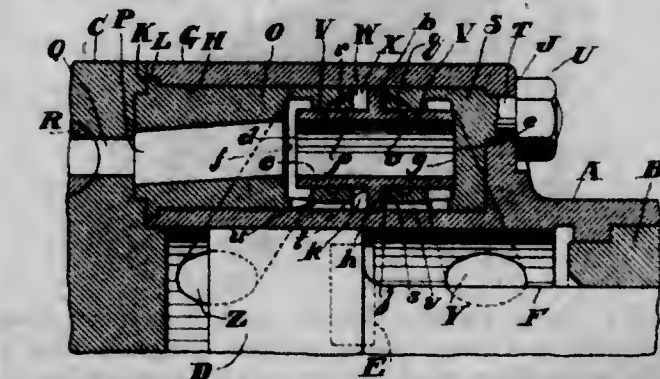
cleansing liquid around the drill steel adjacent the inlet opening of the passage and having integral flanges at its ends in fluid tight engagement with the drill steel, and means secured to the extension for conveying cleansing liquid into the sleeve.

1,739,142. SWITCH-BOX COVER AND ATTACHMENT. EDWARD EMIL HILL, Woodhaven, and FRANK V. MAGALHAES, Brooklyn, N. Y., assignors, by mesne assignments, to Thomas E. Murray, Jr., Brooklyn, N. Y. Filed Apr. 10, 1924. Serial No. 705,408. 10 Claims. (Cl. 247-2.)



6. In combination a meter service box having an aperture in an end wall for passage of conductors, a meter provided with a terminal chamber having one wall through which conductors are passed and a second wall with an opening giving access to said conductors, and a plate attached to the box and so positioned thereon that with the meter assembled adjacent the box with the said first terminal chamber wall in contact with the said box end wall, the said plate covers the opening in said second wall of the meter terminal chamber.

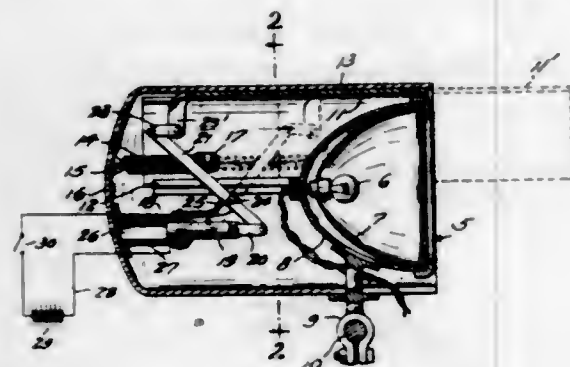
1,739,143. VALVE FOR ROCK DRILLS. GEORGE W. KULSHIZER, Stewartville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 19, 1927. Serial No. 206,848. Renewed Apr. 4, 1929. 3 Claims. (Cl. 121-19.)



1. In a fluid actuated rock drill, the combination of a cylinder and piston, a valve chest having a valve chamber,

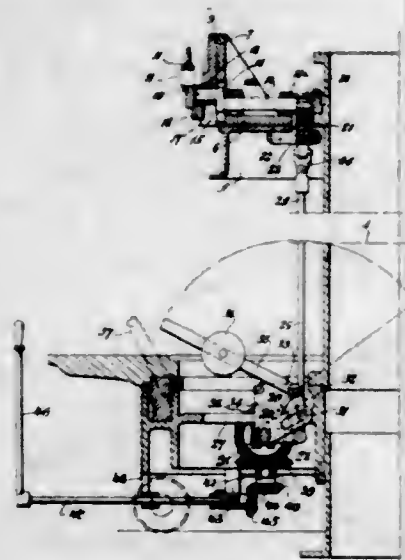
inlet passages leading from the valve chamber to the cylinder, a distributing valve in the valve chamber having a bore for conveying pressure fluid therethrough, the ends of said valve co-operating with the ends of the valve chamber for controlling the admission of pressure fluid into the cylinder, a flange on the valve intermittently having actuating and holding surfaces, ports in the valve conveying pressure fluid into the valve chamber to act against the said surfaces, and passages in the valve chest for exhausting such pressure fluid into the inlet passage upon an occurrence of a drop in pressure in the ends of the cylinder.

- 1,739,144. VEHICLE HEADLIGHT REGULATOR. FRANK H. HUNTWORTH, Seattle, Wash. Filed Jan. 20, 1928. Serial No. 249,580. 5 Claims. (Cl. 240-45.)



1. A light intercepting and reflecting device adapted to be used with an automobile headlight, said device comprising a cylindrical housing adapted to receive the headlight in one end thereof, a vane having a straight longitudinal section and a transverse vertical section of substantially the shape of a segment of a circle, means provided interiorly of said housing for guiding the vane for rectilinear movement parallel with the axis of the housing, power actuated means for effecting the forward movement of the vane, means for manually controlling said power means to render the same operative and inoperative selectively, and means for effecting rearward movement of the vane into a concealed position within the housing.

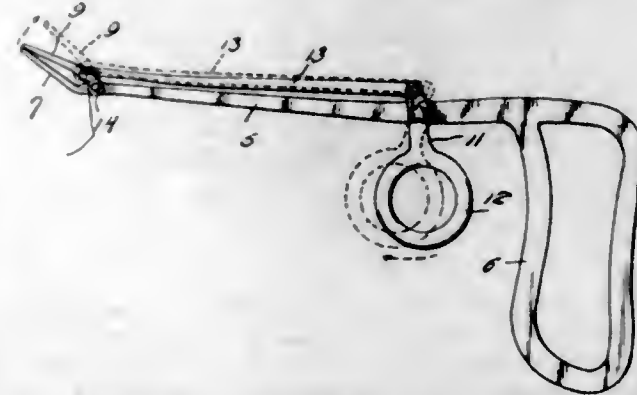
- 1,739,145. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. SYDNEY HUNT, Birmingham, England. Filed Sept. 3, 1927. Serial No. 217,445, and in Great Britain June 17, 1927. 5 Claims. (Cl. 49-5.)



1. In a rotary machine for the manufacture of glass articles, having a fixed central column furnished with a cam for controlling the movements of a counterbalanced parison mould carried by the rotary framework, and caus-

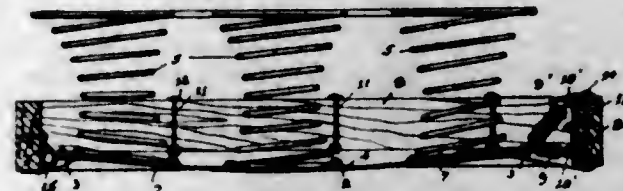
ing it to dip into a reservoir for molten glass at appropriately timed intervals, a construction in which the operative portion of the cam which effects the dipping is carried by a slide working in suitable guides in connection with the fixed central column of the machine, the slide being reciprocated by a crank mechanism, the shaft of the crank being rotated by mechanism controlled through appropriate transmission means from an operating device suitably disposed for manipulation by the machine minder.

- 1,739,146. CAPONIZING INSTRUMENT. AUGUST G. LOWRGER, Harper, Kans. Filed Sept. 10, 1927. Serial No. 218,706. 1 Claim. (Cl. 128-306.)



A caponizing instrument comprising an elongated member, a hand grip depending from its rear end, a stationary jaw of substantially triangular shaped formation fixedly attached at its apex to the forward end of the elongated member and disposed upwardly at an obtuse angle with respect thereto, the central portion of the triangular shaped jaw being cut out, a coaxial similar shaped jaw arranged above the stationary jaw, the apex portion of the upper triangular jaw being divided, parallel spaced leg members extending from the free ends of the arms of the triangular shaped upper jaw and being pivotally connected to and engaging the respective sides of the aforesaid member adjacent the stationary jaw, a trigger pivotally connected adjacent its upper end to the elongated member forwardly of the hand grip, an elongated link pivotally connected at its rear end to the upper end of the pivoted trigger, the forward end of the link being pivotally connected to the last-mentioned jaw between the apex portions of the arms of said triangular shaped jaw.

- 1,739,147. CHAIR AND COUCH. JACOB KRONHEIM, Cleveland, Ohio. Filed Aug. 13, 1928. Serial No. 290,227. 2 Claims. (Cl. 155-179.)

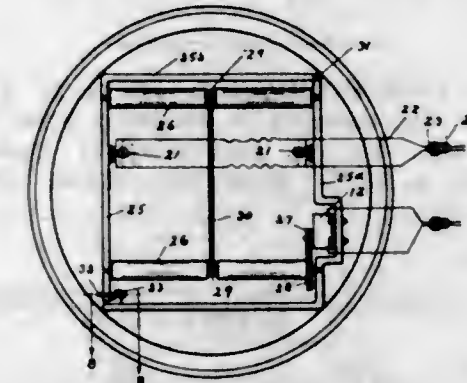


1. A resilient bottom for a chair or couch having a frame, comprising a flexible base supporting a series of springs, suspension springs for said base and clips attaching said suspension springs to the frame of the chair or couch, the rear side of said base being suspended by two series of cooperating suspension springs angularly related to each other, and attached to side loops of said clips arranged above each other.

- 1,739,148. DISPLAY DEVICE. SAMUEL M. LAFFERTY and HOWARD J. BURGWIN, Pittsburgh, Pa., assignors to Burgwin-Herron Motor Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1926. Serial No. 148,864. 2 Claims. (Cl. 40-32.)

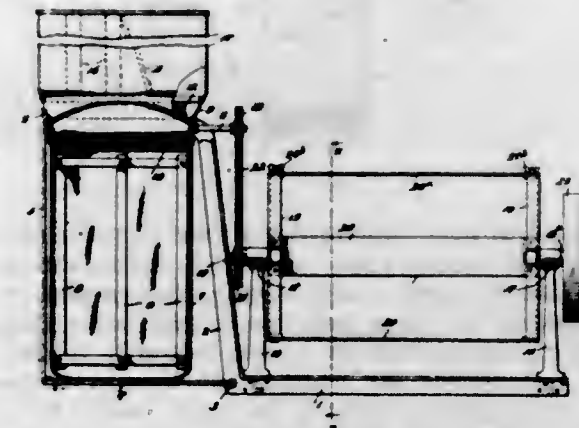
1. A display device for automobiles comprising a frame having two mutually pivoted sections, rotatable members

removably trunnioned in said frame, an endless screen on said rotatable members, driving connections and actuating means for producing a continuous progressive movement thereof arranged to be supported in a tire rim,



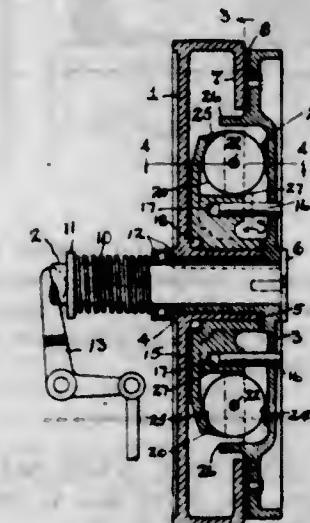
a tire cover arranged to enclose the device, said tire cover being provided with an opening and serving as a border to enframe the visible portion of the aforesaid screen.

- 1,739,149. MIXING MILL. DANIEL CLAUDE HEIM, Sunbury, Pa. Filed Jan. 4, 1929. Serial No. 330,233. 2 Claims. (Cl. 259-1.)



1. In a machine for filling and mixing the contents of cylindrical drums, a base, supporting arms projecting upwardly from the base and having horizontally extending ends, filling devices mounted on said ends, a platform hinged to the base and adapted to support the drum in upright position beneath the filling devices, and means on the free end of the platform for latching it to the ends of the supporting arms.

- 1,739,150. VARIABLE-SPEED DRIVE. HANS HONIGMANN, East Cleveland, Ohio, assignor to The Chandler and Price Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 30, 1926. Serial No. 125,922. 6 Claims. (Cl. 192-104.)



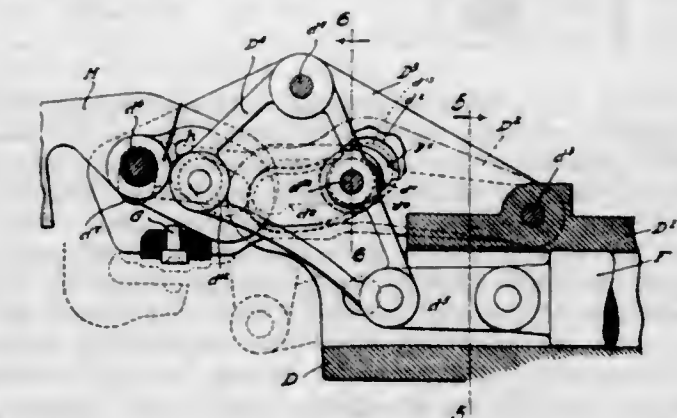
1. In mechanism of the character described, the combination of a shaft constituting the driven member, a

driving member rotatably mounted on and also shiftable longitudinally of said shaft, a disk keyed onto said shaft and adapted to have frictional engagement with said driving member when the latter is moved towards said disk, means tending thus to move said member, rollers interposed between said member and disk and movable in a radial direction by centrifugal force, a carrier member for said rollers, and a cam face on said carrier member wherewith said rollers contact and thus serve to move said driving member away from said disk.

- 1,739,151. METHOD OF FIRING TILES. JONAS P. JOHNSON, San Francisco, Calif. Filed Mar. 5, 1928. Serial No. 259,383. 1 Claim. (Cl. 25-157.)

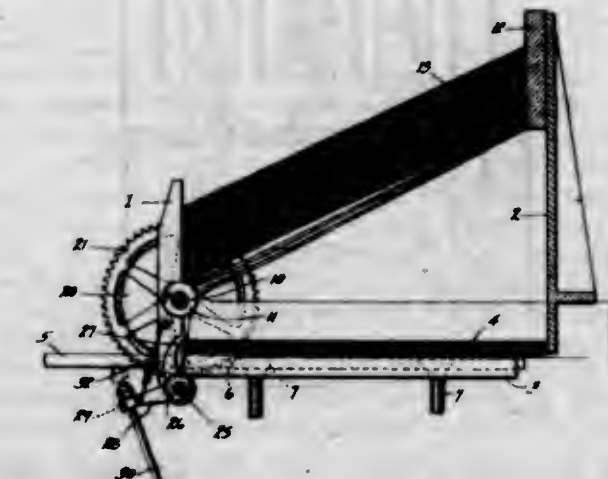
The method of reducing the tendency of clay tiles to warp and crack in firing which comprises arranging the tiles on edge in saggars and spaced from each other, and resting all along their lower edges on the bottom thereof, filling the spaces between the tiles and entirely covering the tiles with a granular material refractory to the firing heat, and of firing the tiles in a kiln while so covered.

- 1,739,152. HEAD FOR MOVABLE RIVETING MACHINES. EINER W. LARSEN, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed May 17, 1920. Serial No. 381,893. 18 Claims. (Cl. 78-48.)



2. In a riveting press, a stand, a head supported thereon and provided with wings and cams, pivoted riveting jaws supported on the head, a pivoted lever between the wings, and a slide movable in the head and connected to the said lever for actuating the riveting jaws through the said cams.

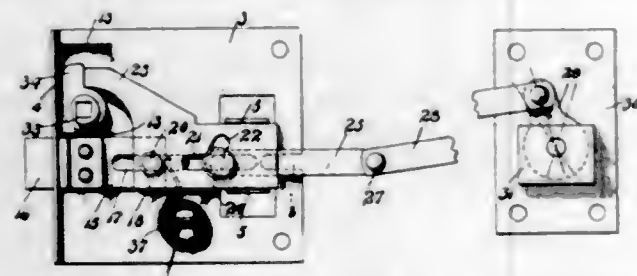
- 1,739,153. AUXILIARY FEED MECHANISM. ED LANO and NORBERT J. SCHAALE, Seattle, Wash., assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1925. Serial No. 185. 3 Claims. (Cl. 271-31.)



1. The combination with a supply of stacked sheet material and a working stack of said material of a feed mech-

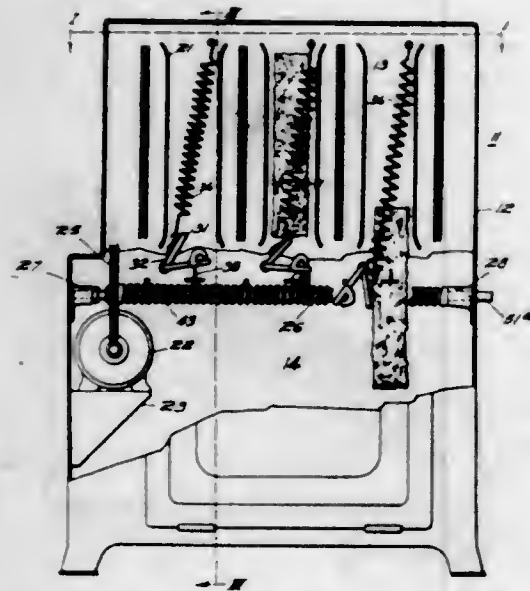
anism comprising a rotatably mounted shaft, a plurality of knurled rollers on said shaft in supporting engagement with the supply stack and adapted when rotated to effect the delivery of material from the supply onto the working stack, a second oscillatory movable shaft having a driving connection with the first shaft, a trip lever fixed on the second shaft having an arm adapted to engage with the working stack of material and to move in accordance with the increase or decrease in height of the said stack and having a laterally directed arm, a reciprocally driven shaft and a nut on said reciprocally driven shaft adapted at times to engage with said laterally directed arm to effect rotative movement of the second shaft and a consequent feeding movement of the first shaft.

1,739,154. AUTOMOBILE DOOR LATCH. ALBERT F. LICKTEIG, Grand Rapids, Mich., assignor, by mesne assignments, to National Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed June 13, 1927. Serial No. 198,474. 11 Claims. (Cl. 292-164.)



1. In a latch for automobile doors in combination with a slidably mounted latch bolt, spring means for normally projecting the latch bolt outwardly, a slidably mounted member having a sliding connection with the latch bolt, means for manually operating said member from one side of a door for retracting the latch bolt, a second manually operable means operable from the opposite side of the door connected with said member for retracting the latch bolt on moving said second means in one direction, and means for locking the said member against retraction on movement of said second manually operable means in the opposite direction.

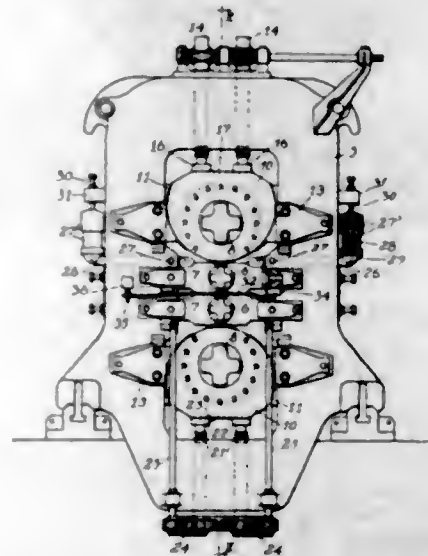
1,739,155. ELECTRIC TOASTER. ROLLO B. LINCOLN, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1928. Serial No. 246,965. 10 Claims. (Cl. 161-16.)



1. In a toaster having a plurality of spaced electric heating elements and a continuously operative shaft, in combination, a pivotally mounted bread-slice supporting means normally yieldingly held out of operative engage-

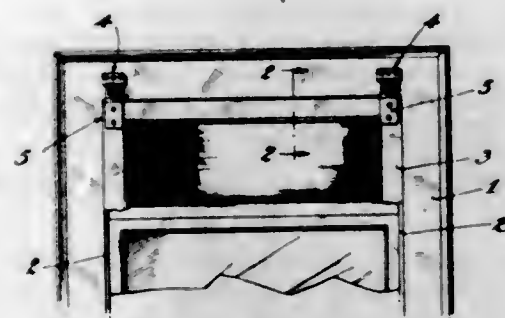
ment with the shaft, means operatively connecting the slice-supporting means with the shaft when a slice of bread is located on the supporting means, said connecting means being effective to permit the slice-supporting means to turn on its pivotal mounting and drop the slice.

1,739,156. FOUR-HIGH MILL. OTTO B. LINDQUIST, Tarentum, Pa., assignor to Allegheny Steel Company, Brackenridge, Pa., a Corporation of Pennsylvania. Filed Apr. 6, 1927. Serial No. 181,448. 10 Claims. (Cl. 80-38.)



9. In a four-high mill having a pair of reducing rolls and a pair of backing rolls, housings, a box rotatably and slidably mounted within each housing, the bearings for the upper backing roll being mounted in said boxes and said boxes being rotatable about centers eccentric to the axis of said roll, screws for limiting the upward movement of said boxes and for rotating the same, means for yieldingly supporting the upper of the reducing rolls and through it, the upper backing roll and for yieldingly holding the boxes in contact with said screws.

1,739,157. SCREEN HANGER. ARTHUR E. LYONS, North Caldwell, N. J. Filed Nov. 27, 1928. Serial No. 322,131. 8 Claims. (Cl. 16-172.)

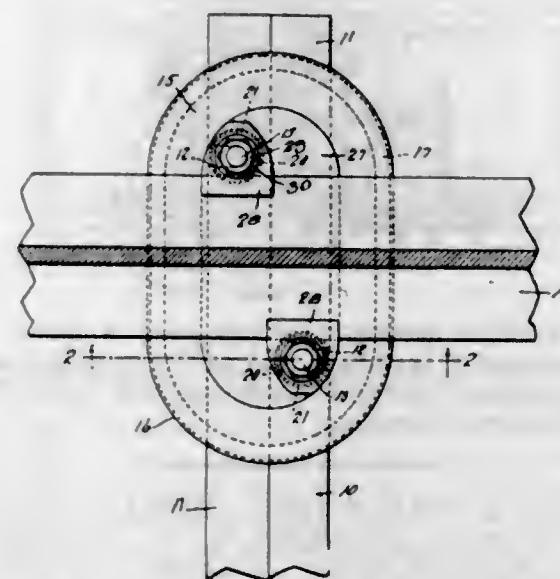


1. A support for a screen, or for similar purposes, comprising a bracket and a cooperating hanger, the bracket having a slotted arm portion, and the hanger having an opening to receive said arm and a tongue in the opening to enter the bracket arm slot.

1,739,158. RESILIENT RAIL ANCHORAGE. IVOR O. MALL, New Orleans, La. Filed May 1, 1929. Serial No. 359,506. 20 Claims. (Cl. 238-9.)

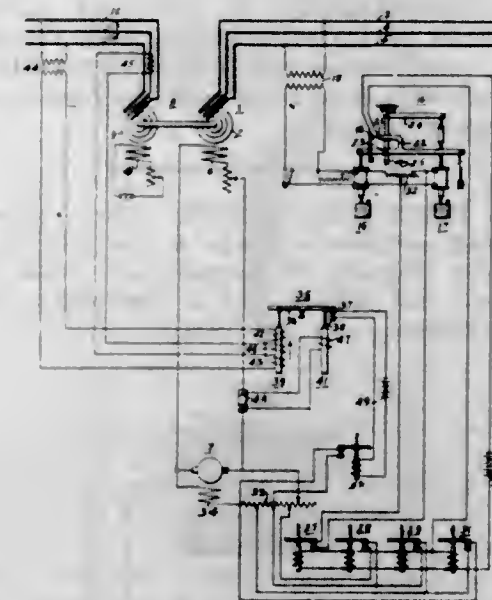
1. In a resilient anchorage for rails, the combination of an anchor member rigidly secured to a foundation, of a

rail member secured thereto, a resilient metallic supporting member interposed between said anchor member and rail and mounted to flex under the vibrations of the load



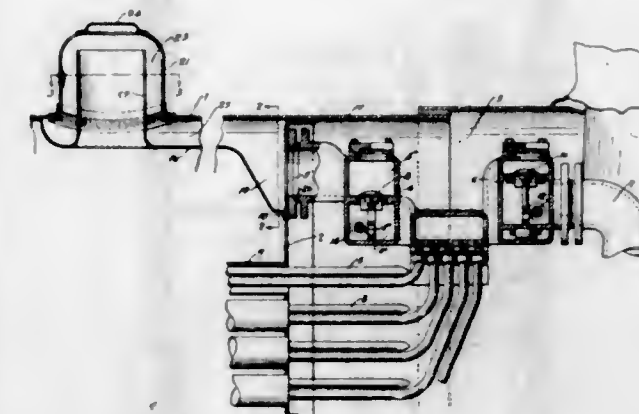
passing along said rails and vibration absorbing means against which said resilient means acts to prevent transmission of the vibrations to said anchor member.

1,739,159. REGULATOR SYSTEM. JOSEPH P. MAXWELL and ROYAL C. BERGVALL, Wilkesburg, and JOHN H. ASHBAUGH, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1928. Serial No. 269,452. 11 Claims. (Cl. 172-274.)



1. In a regulator system, an alternating-current power circuit, a synchronous dynamo-electric machine connected to said power circuit and comprising a field winding, regulating means actuated in accordance with an electrical characteristic of said power circuit for governing the excitation of said field winding, means for limiting a decrease in the excitation of said field winding to a predetermined minimum, and means for increasing said minimum in accordance with the load on said dynamo-electric machine.

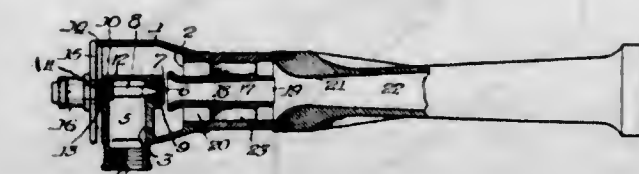
1,739,160. LOCOMOTIVE. NEAL T. MCKEE, Bronxville, N. Y., assignor to American Throttle Company, Inc., New York, N. Y. Filed Nov. 17, 1926. Serial No. 148,870. 7 Claims. (Cl. 122-462.)



1. In a locomotive, a boiler having a steam outlet, a superheater inlet header in direct communication with said outlet, emergency valve means located in said header to shut off steam flow therethrough, said means comprising a valve urged to closed position by steam flow from the boiler, manually controlled means normally holding said valve in open position, a superheater outlet header, and a throttle located in said outlet header.

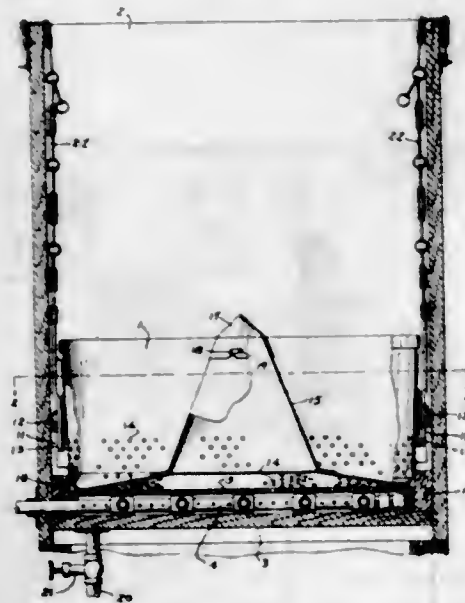
5. In a locomotive boiler, a cylindrical boiler shell having a steam dome opening, a forward flue sheet having a steam outlet therein, and an inverted trough-like member secured to the upper portion of said shell around the dome opening and the outlet and forming with the shell a dry pipe connecting the steam dome and said outlet, said member having an upwardly extending cylindrical portion located in said dome and spaced from the walls thereof to form a dry pipe inlet at the top of said dome.

1,739,161. MULTISTAGE FUEL MIXER. GARNET W. MCKEE, Rockford, Ill. Filed Feb. 26, 1927. Serial No. 171,332. 3 Claims. (Cl. 48-180.)



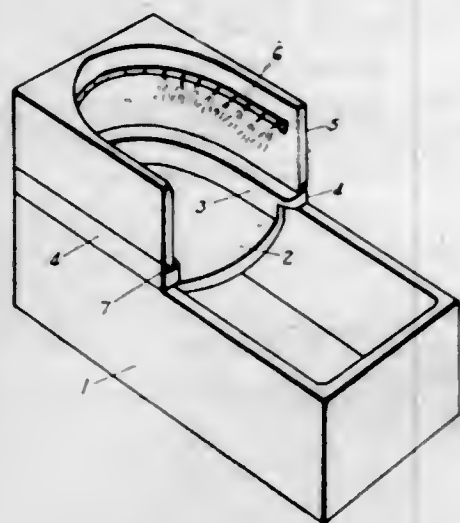
1. A gas mixing device comprising a casing forming a chamber, regulatable means in said chamber for regulatably directing a stream of gas into said chamber, a primary shell detachably connected to said chamber having a primary Venturi tube longitudinally disposed within its walls, an open end of said primary tube being adapted to directly receive said stream of gas and to receive a quantity of atmospheric air entrained by said stream, regulatable means for admitting atmospheric air into said chamber, a passage in said shell alongside said primary tube communicating with said chamber and having an open end in proximity to the delivery end of the primary tube, the delivery of the fluid mixture from the primary tube being adapted to entrain additional atmospheric air past both ends of said tube from said passage to form the ultimate mixture of gas and air, and a secondary Venturi tube detachably connected to said shell adapted to receive a fuel mixture from the primary tube and auxiliary air from said passage and to completely mix said air and mixture within the tube.

1,739,162. METHOD FOR TREATING FLOTANT MATERIALS. JOHN J. MCKEON, Troy, N. Y., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y., a Corporation of New York. Filed Feb. 27, 1926. Serial No. 91,096. 19 Claims. (Cl. 8—2.)



16. The method of treating floatant material which comprises floating said material in a bath of processing liquid above a receptacle immersed therein, effecting relative motion between the material and the receptacle to collect the floatant material therein, and rotating the receptacle to dry the material.

1,739,163. BATH ATTACHMENT. THOMAS W. MITCHELL, Indianapolis, Ind. Filed July 29, 1929. Serial No. 381,701. 2 Claims. (Cl. 4—148.)

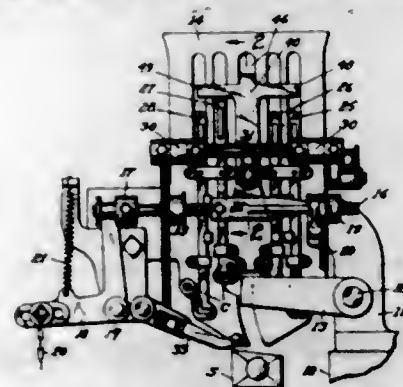


1. In a bath attachment, a seat structure adapted to be entered in a bath tub, a flange on said seat structure adapted to support the seat structure within the bath tub, and a shield extending upwardly from said seat structure.

1,739,164. ATTACHMENT FOR MULTICOLOR-WEFT-REPLENISHING LOOMS. HERBERT L. MOLLOY and CONRAD BELISLE, Manchester, N. H., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 21, 1928. Serial No. 263,468. 10 Claims. (Cl. 139—232.)

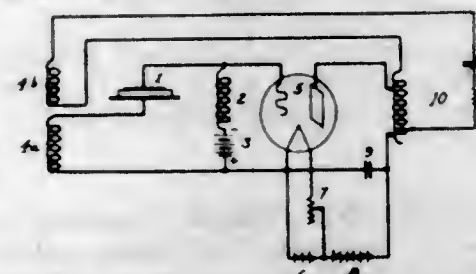
1. In a multicolor weft replenishing mechanism operating with a plurality of separate stacks of reserve bobbins and having a slide member for each stack, a device to have operative relation with but one of the members at a time but movable to cooperate with all of said members and effective to lift one of said members upon sub-

stantial exhaustion of weft, and means normally inactive with respect to the device to be moved and movable at substantial exhaustion of weft by one of said slide mem-



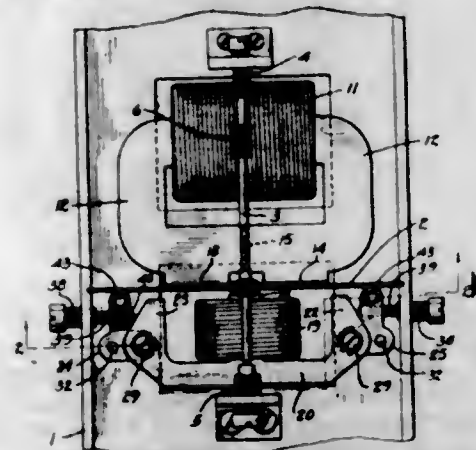
bers into active position relatively to said device when said one member is raised, said device operating to engage the means to lower the same and cause return of any member to normal position.

1,739,165. PIEZO-ELECTRIC CRYSTAL CIRCUITS. FRED B. MONAR, Washington, D. C. Filed Sept. 12, 1925. Serial No. 55,969. 2 Claims. (Cl. 250—36.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



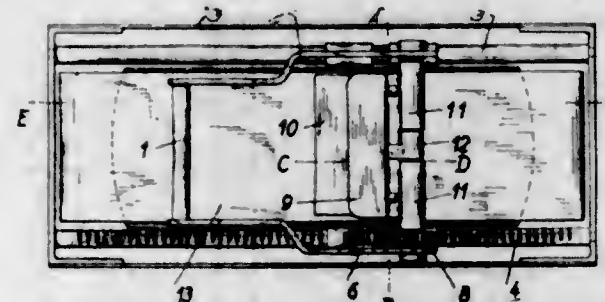
1. In a piezo electric oscillator the combination of a vacuum tube having a filament, grid-filament and plate-filament circuits, the combination of an inductance and a source of potential in series in the grid filament circuit, a piezo-electric crystal and a second inductance in series with each other and connected in parallel with the first mentioned inductance and the source of potential, a resonant circuit in the plate-filament circuit and means for coupling said resonant circuit to one of the inductances in the grid filament circuit to produce increased output of said piezo-electric crystal.

1,739,166. INDUCTION METER. PAUL MOOS, Zug, Switzerland, assignor to Landis & Gyr A.-G., a Limited Joint Stock Company of Switzerland. Filed Apr. 17, 1928, Serial No. 270,679, and in Switzerland Apr. 25, 1927. 3 Claims. (Cl. 171—264.)



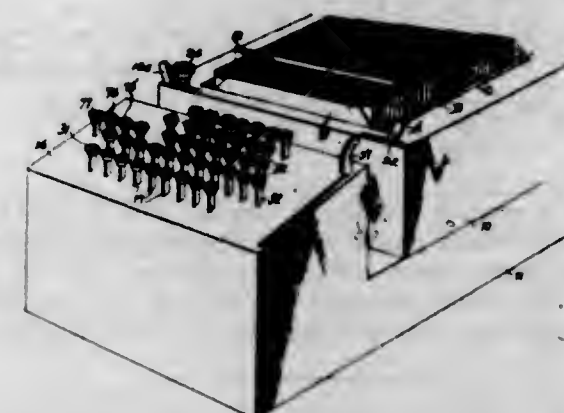
3. In an induction meter, the combination of a meter disc, driving means therefor comprising a current coil and core, and a pressure coil and core, a movable support on which one of the cores is mounted and means for minutely varying the position of the support to move the core relatively to the disc.

1,739,167. RAZOR STROPPING MEANS. PAUL MÜLLER, Solingen, Germany. Filed June 14, 1927, Serial No. 198,821, and in Germany May 9, 1927. 1 Claim. (Cl. 51—153.)



A stropping and blade-treating device, comprising, in combination, a longitudinal frame and two longitudinal guide rods, of which one is designed as a rack; sleeves adapted to be shifted along said rods and a grip-forming frame connected with said sleeves; a transverse shaft supported by said latter frame just over the said sleeves, a pinion affixed to one end of said shaft, and a transmission cog-wheel carried by said grip-forming frame and meshing with said rack, as well as with said pinion; a blade-holder attached to the said shaft and comprising a sleeve enclosing this shaft, and two ledges projecting forth from these sleeves and adapted to receive a blade between them; and a stropping member located in said frame between the said rods.

1,739,168. CARD-INDEXING DEVICE. DONALD A. NEVIN, Waynesboro, Pa., assignor to Autodex Co., Waynesboro, Pa., a Corporation of Pennsylvania. Filed July 11, 1927. Serial No. 205,000. 29 Claims. (Cl. 129—16.1.)

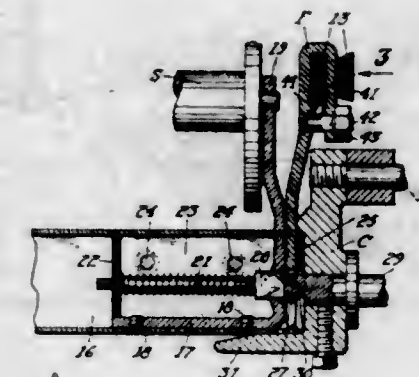


1. A card-indexing device comprising a container, cards in the container arranged in groups and sub-groups, means for selecting a group, means for selecting a sub-group in said group and moving said sub-group out of normal position, means for locking the second-named selecting means to maintain the sub-group in selected position for further selecting operations on the cards therein, and means adapted to be positioned to prevent action of said locking means, substantially as described.

15. A card-indexing machine comprising a container for cards, means for moving cards selectively partly out of the mass in a lateral direction, and means adapted to act on selective irregularities exposed by such movement for returning certain of the cards thus selected, substantially as set forth.

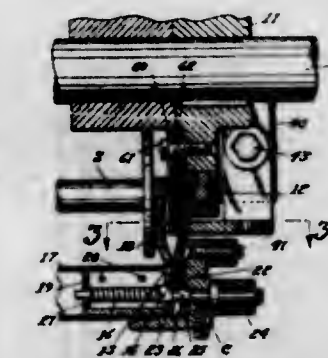
29. In a card index, a card having one or more tabs at the bottom for mechanical selection, notches at opposite sides, and a visual selection tab at the top, substantially as set forth.

1,739,169. TUBE-FRAME-SUPPORTING CHAIN FOR AXMINSTER LOOMS. ARTHUR P. PAINE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 5, 1928. Serial No. 283,044. 17 Claims. (Cl. 139—10.)



1. In an Axminster loom, a transporting chain, a tube frame having a pocket, a finger permanently connected to the chain under normal conditions and effective to enter the pocket, said finger having portions to engage opposite sides of the chain, and detachable means to hold said portions of the finger against the opposite sides of the chain.

1,739,170. GUIDE FOR AXMINSTER TUBE-FRAME SUPPORTS. ARTHUR P. PAINE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 8, 1928. Serial No. 283,983. 2 Claims. (Cl. 139—10.)

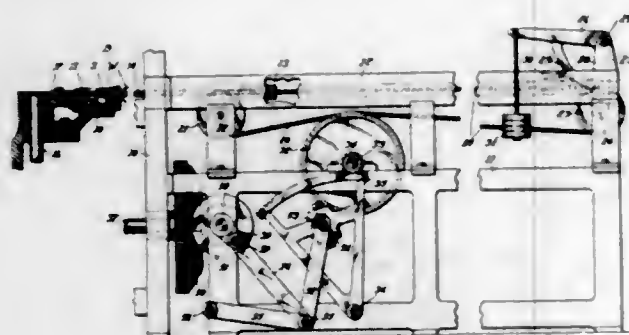


1. In an Axminster loom, a transporting chain, a finger secured to and projecting from the chain, a tube frame having a pocket to receive the finger, means to move the transporting chain to carry the tube frame to delivery position, a guide secured to and moving with the means for the inside of the finger to prevent improper longitudinal movement of the finger toward the tube frame and assist in causing proper registry of the finger relatively to the pocket of the tube frame, a body of slightly compressible material interposed between the guide and the means, and securing means to hold the guide against said compressible material, the latter affording slight adjustment of the position of the guide relatively to the means.

1,739,171. NEEDLE MOTION FOR AXMINSTER LOOMS. ARTHUR P. PAINE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 5, 1928. Serial No. 290,330. 14 Claims. (Cl. 139—124.)

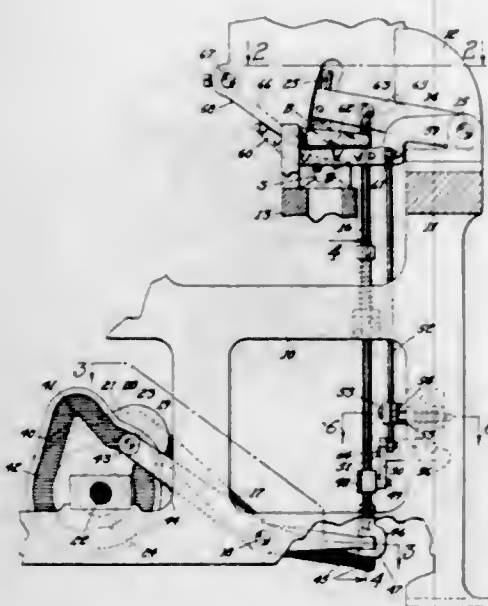
1. In a needle motion for an Axminster loom, a continuously moving driving member, a weft laying needle movable into and out of the shed of the loom, a driven oscillating member to be oscillated at different rates of speed and operatively connected to the needle, two con-

nected mechanical devices, one for each member, each device being movable to two extreme positions, one of said devices being effective to cause a retardation on the part



of the oscillating member when the needle is in the shed and also out of the shed, and the other device being effective to cause a retardation in the movement of the oscillating member when the needle is out of the shed.

1,739,172. REVOKER FOR REGULARLY-MOVING TRANSFER ARMS. OSCAR V. PAYNE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 18, 1926. Serial No. 155,741. 20 Claims. (Cl. 139—231.)

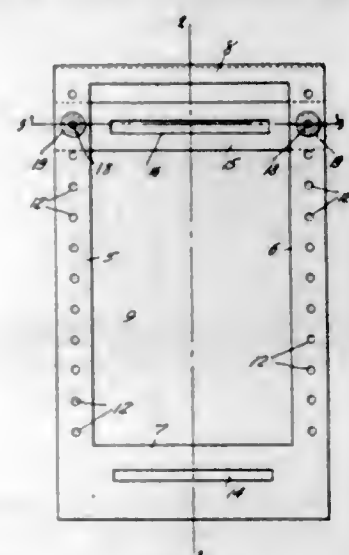


1. In a weft replenishing mechanism for looms having a shuttle and means whereby a bobbin moves to transfer position to be inserted in the shuttle at a predetermined point in the pick of the loom, means to engage an untransferred bobbin and expel the same from the replenishing mechanism by a positive motion at some time in the pick of the loom other than said predetermined point.

1,739,173. STENCIL DEVICE. EDWARD ROSS, Scranton, Pa. Filed Mar. 1, 1929. Serial No. 343,589. 7 Claims. (Cl. 101—114.)

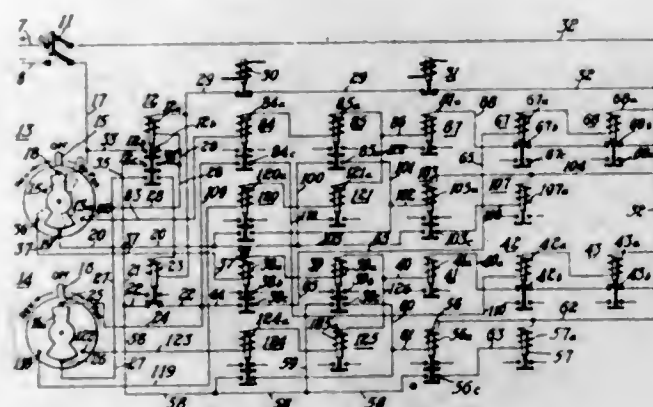
1. An adjustable stencil device comprising a frame having an opening in the intermediate portion through which identification characters may be made, a stencil member

adapted to be removably secured on different portions of the sides of said frame to position the same across dif-



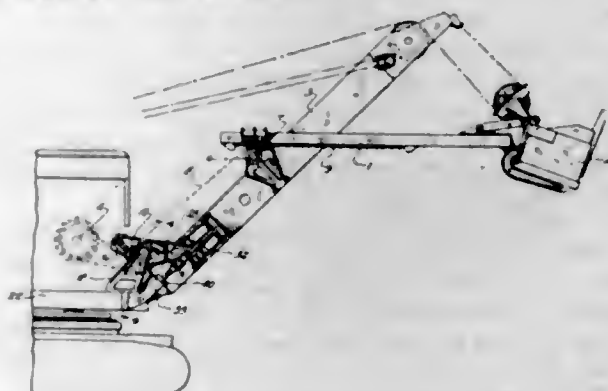
ferent portions of said opening, and a positioning part extending rearwardly from said frame to hold said frame in definite relation to the article to be stenciled.

1,739,174. MOTOR-CONTROL SYSTEM. PHELAN McSHANE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1927. Serial No. 221,414. 12 Claims. (Cl. 80—44.)



1. In a control system, in combination, a plurality of propelling motors, means for effecting the operation of the motors independently, and means effecting dynamic braking of the motors disposed to function automatically to brake one motor upon the starting of another motor.

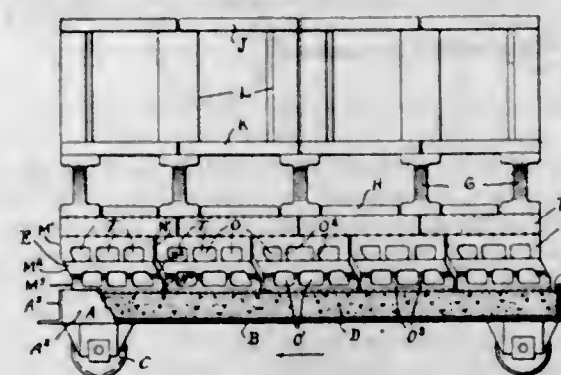
1,739,175. POWER SHOVEL. HOLGER L. MITCHELL and ROLF LJUNGKULL, Milwaukee, Wis., assignors to Harbischfeger Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 16, 1926. Serial No. 102,397. 17 Claims. (Cl. 214—135.)



1. In a machine of the character described, the combination with a supporting frame, a driving shaft rotatably

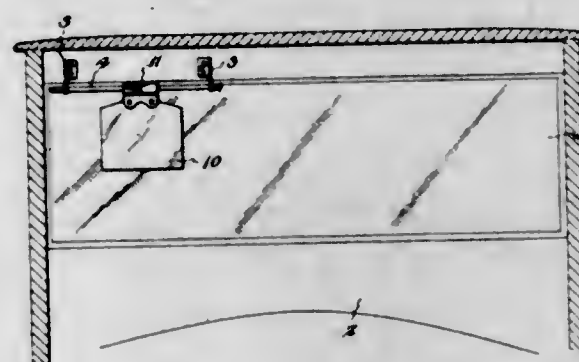
mounted on said frame, a boom connected to said frame for pivotal movement about an axis eccentric to the axis of rotation of said shaft, a shaft carried by said boom, and a flexible driving element connecting said shafts and traveling in a plane at right angles to the axes of the shafts, of means associated with said element and in its plane of travel and coacting therewith for automatically compensating for changes in the relative positions of said shafts upon said movement of the boom whereby the tension in said element is maintained substantially constant through the entire range of movement of the boom with respect to the frame.

1,739,176. KILN CAR. GEORGE D. MORRIS and GORDON KLEIN, New Castle, Pa., assignors to New Castle Refractories Company, New Castle, Pa., a Corporation of Delaware. Filed Aug. 27, 1928. Serial No. 302,231. 8 Claims. (Cl. 25—142.)



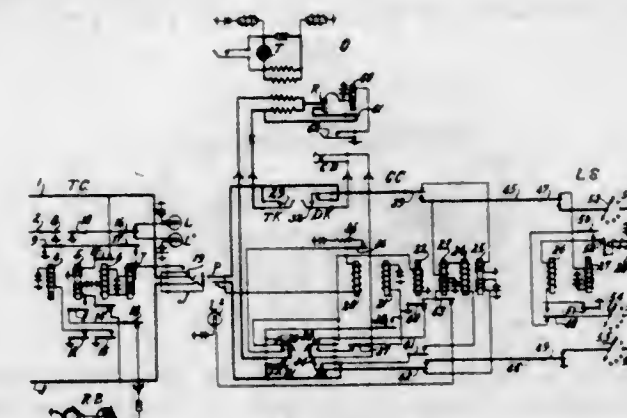
1. A tunnel kiln car comprising a metallic bottom frame and a refractory body portion mounted thereon and formed of a plurality of large blocks of refractory material arranged in overlapping relation, each of said blocks having a plurality of rows of transverse cores arranged in staggered formation.

1,739,177. LIGHT SHIELD. ROBERT GRANT NICHOLAS, Lincoln, Nebr. Filed Oct. 27, 1927. Serial No. 229,166. 1 Claim. (Cl. 296—97.)



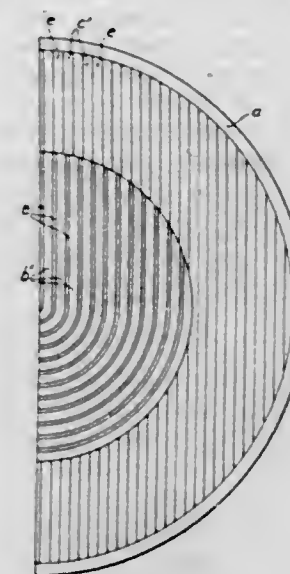
An anti-glare device comprising a shaft non-circular in cross section throughout substantially its entire length and having its ends reduced to form pintles and shoulders at the inner ends of the pintles, brackets adapted to be secured to a support and formed with openings rotatably receiving said pintles, springs coiled about said pintles and at their inner ends bearing against said brackets to hold the brackets against said shoulders, removable abutments carried by said pintles and engaging the outer ends of the springs, the abutment of one pintle consisting of nuts screwed thereon and when adjusted adapted to regulate tension of the springs, a transparent plate constituting a shield, and a clip having a tubular sleeve fitting snugly upon said shaft and slidable longitudinally thereon and held against turning about the shaft, and arms extending from said sleeve and firmly secured against opposite faces of the shield.

1,739,178. AUTOMATIC TELEPHONE SYSTEM. HARRY R. PARSHALL, Chicago, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 23, 1926. Serial No. 143,558. 13 Claims. (Cl. 179—27.)



1. In a telephone system, a cord circuit extending to an automatic switch, a dialling key and a talking key in said cord circuit, means responsive to the operation of said dialling key for initiating the operation of said switch, means for holding the switch after the dialling key is released, and means whereby the release of said switch is controlled by the subsequent operation of said talking key to its talking position and then to its normal position.

1,739,179. HEADLIGHT. ROBERT RÄSSLER, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed June 22, 1926. Serial No. 117,830, and in Germany Sept. 14, 1925. 3 Claims. (Cl. 240—48.4.)

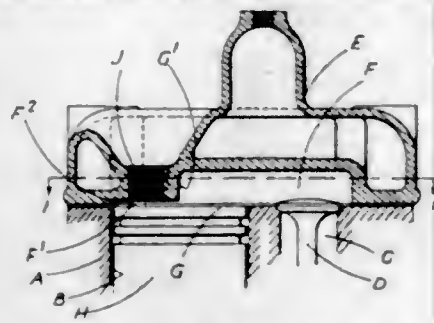


1. A headlight lens having an outer ring of vertically extending cylindrical ribs and a circular field within such outer ring, such field having prismatic ribs, portions of which extend in the direction of their length vertically, of the optical axis of the headlight and further continuing portions of such prismatic ribs extending in the direction of their length in the form of concentric arcs.

1,739,180. CYLINDER OF INTERNAL-COMBUSTION ENGINES. HARRY RALPH RICARDO, London, England. Filed Sept. 17, 1928. Serial No. 306,527, and in Great Britain Oct. 18, 1927. 7 Claims. (Cl. 123—191.)

1. An internal combustion engine operating on the constant volume cycle including in combination a cylinder, a combustion chamber overlapping the cylinder bore and having inlet and exhaust ports formed in a part thereof lying to the side of the cylinder bore, valves controlling these

ports, a piston reciprocating within the cylinder so as to approach the part of the cylinder head lying over the cylinder bore closely at the end of the compression stroke and thus force the major portion of the charge through the port leading from the cylinder bore into the combustion chamber so as to cause turbulence of a general character therein, and means for igniting first the small portion of



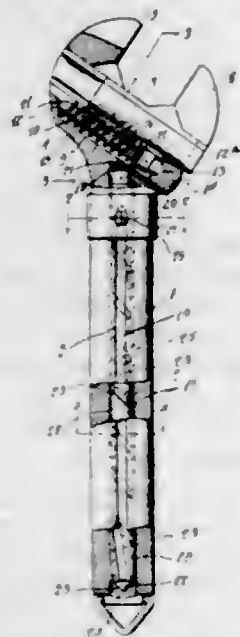
the charge remaining in the pocket-like part of the combustion chamber which lies between the piston face and the part of the cylinder head to which it closely approaches at the end of the compression stroke and which is in open communication with the main part of the combustion chamber overlapping the cylinder bore and containing the inlet and exhaust ports.

1,739,181. AXMINSTER WEAVE. WILLIAM W. ROBERTSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 4, 1927. Serial No. 180,731. 13 Claims. (Cl. 139-491.)



1. In an Axminster weave, binder threads crossed to form a pair of adjacent sheds for each pile tuft, one of which sheds is relatively large and the other of which is relatively small, three shots of filling each of which lies between two binders, a stuffer to separate the shots of filling, two of said shots being located in the larger shed one shot on each side of the stuffer and the third of which is located in the smaller shed, and a plurality of successive pile tufts entering and leaving the fabric for every three shots of filling and lying in adjacent sheds and extending around each of the shots of filling on alternate sides of successive picks.

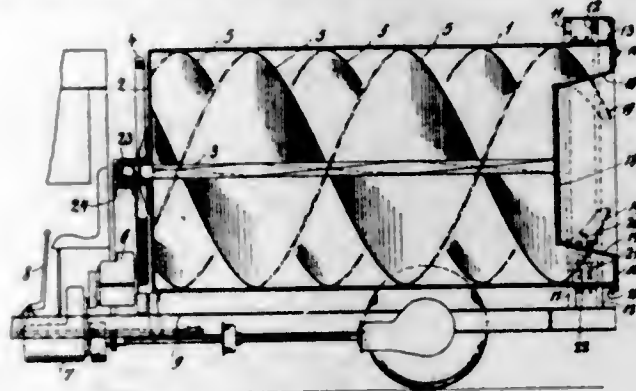
1,739,182. ADJUSTABLE-JAW WRENCH. GUIDO FRED SCHLOTE, Salt Lake City, Utah. Filed Aug. 16, 1928. Serial No. 300,015. 3 Claims. (Cl. 81-185.)



1. In a tool of the character stated, a tubular handle provided with a longitudinal slot communicating with the

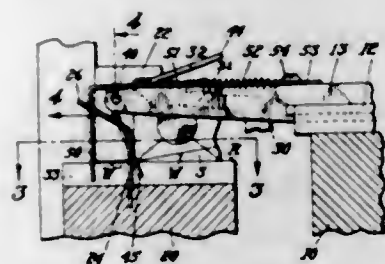
opening therein, a shaft journaled in said handle, means mounted on the handle and engaging the shaft through said slot to actuate it, and a sleeve rotatable on the shaft and engageable by said means to rotate it and provide a cover for said slot.

1,739,183. TRUCK FOR REMOVING HOUSE REFUSE. PAUL SCHUBERTH, Augsburg, Germany. Filed May 31, 1927. Serial No. 195,418, and in Germany Oct. 21, 1926. 3 Claims. (Cl. 214-67.)



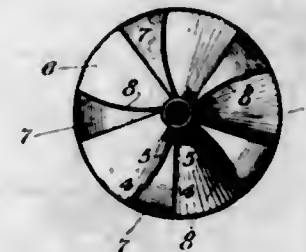
1. A motor driven vehicle for heapable material specially of house refuse, comprising in combination a horizontal shaft, a drum closed at the front end and open at the rear end and rotatably mounted on said vehicle, a change-gear driven from the motor of the vehicle and serving to rotate said drum, and several helical sheet iron plates fixed on the inner surface of said drum spaced at similar angular distance extending in longitudinal direction from the rear end to the front end of the drum and in radial direction to said shaft said plates forming longitudinally extending compartments for the heapable material which when said drum is rotating in clockwise direction travels through these compartments from the rear to the front end of the drum and when the drum is rotating in anticlockwise direction from the front end to the rear end of the same, and a lid with charging openings suspended on the rear end of the vehicle so that it bears against the rear open end of said drum.

1,739,184. FILLING STOP MOTION FOR LOOMS. JESSE W. SIMPSON, Anderson, S. C., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 6, 1928. Serial No. 297,866. 1 Claim. (Cl. 139-194.)



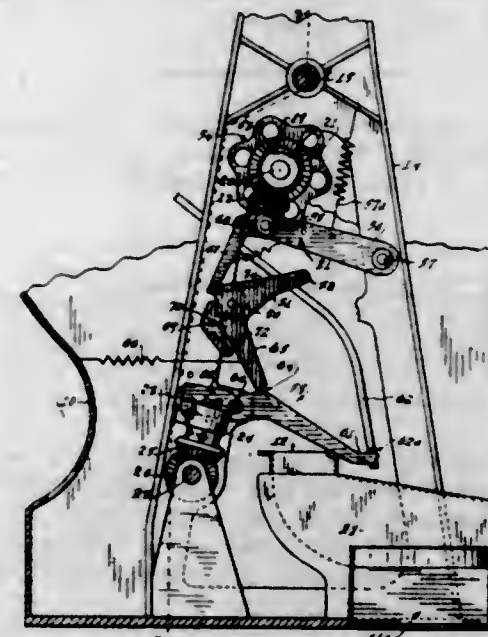
In a filling detecting and tensioning stop motion for a loom, a lay having a surface along which the filling extends, a grid on the lay, a slidably mounted member, means carried thereby defining a pivotal support, a tensioning line pivotally mounted on the support and positioned to extend behind the grid and below the surface along which the filling extends when the lay is in its forward position, said tensioning line having a forwardly extending normally horizontal arm, a substantially horizontal tension spring connected to the arm and having the forward end thereof secured to the member to hold said tensioning line relatively fixed with respect to the member when said tensioning line engages filling extending across the grid, said tension spring causing the tensioning line to take up slack in the weft, and a detecting element pivotally mounted on the support to be tilted by filling extending across the grid.

1,739,185. FLOAT-BALL VALVE. EDWIN L. STIMSON, Eggertsville, N. Y., assignor to Essex Rubber Company, Trenton, N. J., a Corporation of New Jersey. Filed Oct. 12, 1926. Serial No. 141,062. 4 Claims. (Cl. 4-56.)



1. A moulded rubber tank ball, comprising a lower flexible seat engaging portion, an upper relatively rigid valve stem engaging portion, and reinforcing ribs formed integrally with said upper portion and exteriorly thereof, said ribs being formed spirally of the ball to cause rotation of the ball during movement through the water.

1,739,186. AUTOMATIC SELECTIVE VENDING MACHINE. OTTO W. TIMM, Eagle Rock, Calif. Filed Jan. 19, 1927. Serial No. 162,036. 5 Claims. (Cl. 194-48.)



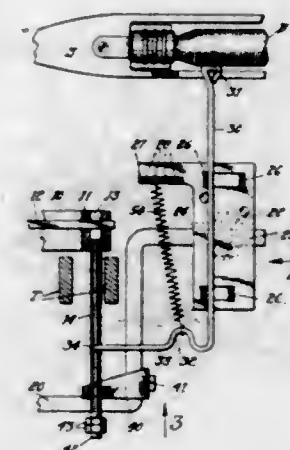
4. In a selective vending machine, a magazine embodying a plurality of article holders; closures, one for each article holder, an ejector movable through a fixed path to open the closure of an article holder aligned therewith; said magazine movable to dispose a selected article holder in registration with said ejector, a ratchet-driven by said magazine to move said ejector to retracted position, a spring urging said ejector from retracted position to advanced position through said path, and a trigger locking said ejector in retracted position against the urge of said spring.

1,739,187. BOBBIN FOR WEFT-REFILLING LOOMS. RICHARD G. TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 6, 1928. Serial No. 824,133. 6 Claims. (Cl. 242-161.)



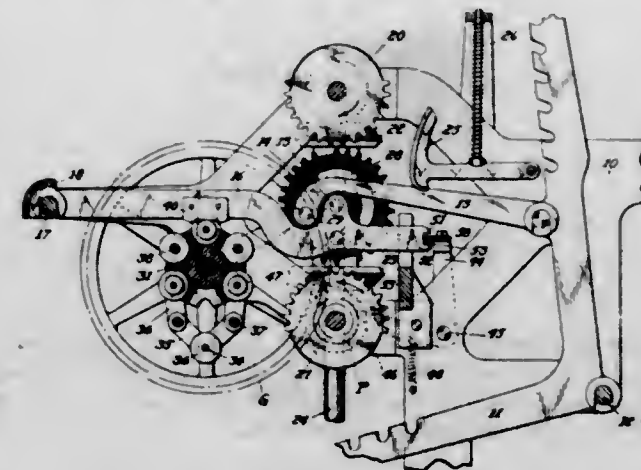
1. A bobbin for weft replenishing looms having yarn wound thereon a portion of which is tightly wound and another portion of which is loosely wound.

1,739,188. SIDE-SLIP WEFT DETECTOR. KENNETH J. UNWIN, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 23, 1927. Serial No. 193,420. 6 Claims. (Cl. 139-286.)



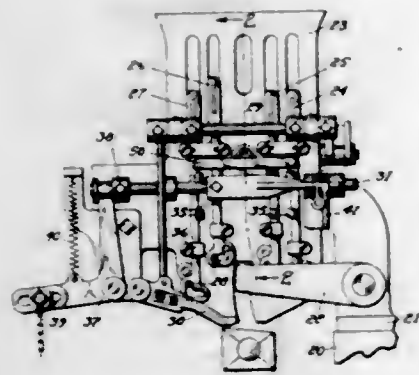
1. In a side slipping weft detector for a loom having a regularly moving actuator to initiate replenishment and a weft surface to be detected, a controller normally in the path of the actuator, a weft detector pivoted directly to the controller and having a portion offset from the axis of the controller to engage the surface to be detected, and a single resilient means having one end fixed and the other end attached to the detector at a point between the pivotal connection thereof on the controller and the part to engage the weft surface to be detected, said controller and detector moving forwardly when weft is present against the action of the resilient means and said detector sliding along the surface when substantially exhausted to have a pivotal movement with respect to the controller against the action of the resilient means.

1,739,189. HEAD MOTION FOR LOOMS. KENNETH J. UNWIN, Shrewsbury, and WALTER H. WAKEFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 25, 1927. Serial No. 215,482. 13 Claims. (Cl. 139-77.)



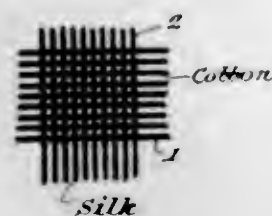
1. A reversible head motion for looms, comprising vibrator levers, vibrator gears mounted thereon and each having an equal number of teeth omitted therefrom at opposite sides thereof and having the resultant blank spaces diametrically spaced, and a pattern chain cooperating with said vibrator levers and having cylindrical pattern members of three different diameters corresponding to the high, low and intermediate positions of said vibrator levers.

1,739,190. MULTICOLOR-WEFT-REPLENISHING LOOM. KENNETH J. UNWIN and WALTER H. WAKEFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 6, 1928. Serial No. 268,012. 8 Claims. (Cl. 139-232.)



1. In a multicolor weft replenishing mechanism having a plurality of reciprocable spindles releasing members, a color slide movable longitudinally and having two opposite angular movements, one movement occurring at indication of weft exhaustion only and on detecting picks and the other movement occurring every non-detecting pick of the loom, and a device to be engaged directly by the color slide independently of the members and moved from normal to abnormal position, said color slide simultaneously effecting movement of one of the members from normal to abnormal position on an indicating detecting beat of the loom, said color slide on a subsequent non-detecting beat of the loom engaging the device to return the same together with the previously moved member to normal position.

1,739,191. TYPEWRITER AND BILLING-MACHINE RIBBON. ALBERT L. VOSBURG, Rochester, N. Y., assignor to Kee-Lox Manufacturing Company, Rochester, N. Y. Filed May 13, 1927. Serial No. 191,257. 1 Claim. (Cl. 197-172.)

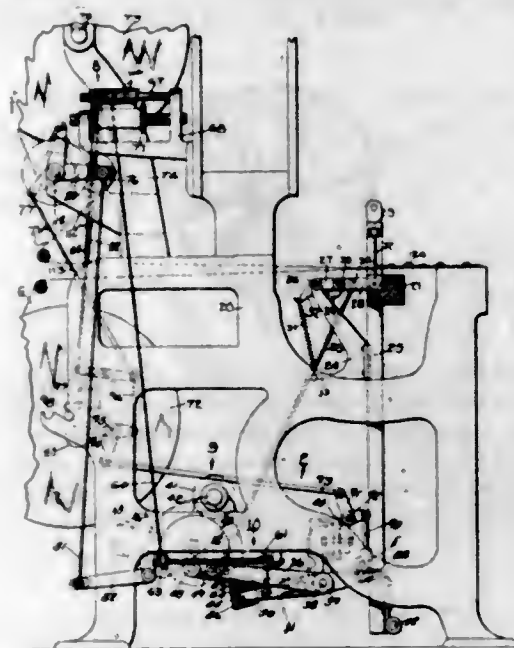


A ribbon of the class described having all the threads running in one direction formed of silk and all the threads running transversely thereof formed of cotton, the whole being impregnated with a suitable ink.

1,739,192. LOOM TO WEAVE TERRY PILES OF VARYING HEIGHTS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1927. Serial No. 239,372. 14 Claims. (Cl. 139-27.)

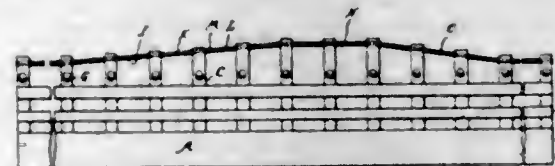
1. In a terry fabric loom having a lay and a reed thereon with means to move the reed to the fell of the cloth on pile forming beats of the loom, a regularly moving actuator independent of the lay and having a given move-

ment which is the same for each terry forming cycle of the loom, and a device operatively connected to the reed



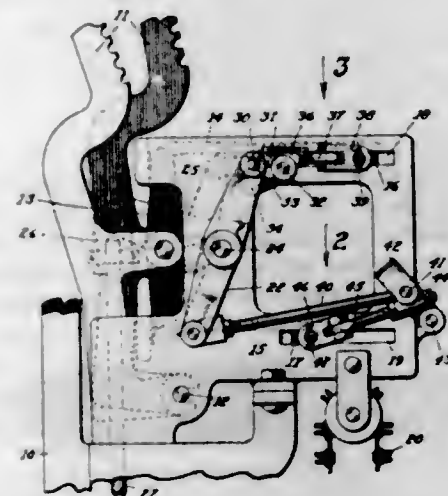
and having provision for engaging the actuator at different points in the movement of the latter to give the reed a plurality of ranges of movement.

1,739,193. YIELDABLE LANDING PLATFORM FOR AEROPLANES. WILLIS C. WARD, Orchard Lake, Mich. Filed Jan. 9, 1928. Serial No. 245,586. 1 Claim. (Cl. 244-2.)



A landing plane for aeroplanes comprising a foundation, rocker arms mounted on said foundation, a woven cable fabric extending between said rocker arms and resilient means reacting upon said rocker arms to hold said fabric normally taut while permitting yielding of the same under impact and weight of the plane.

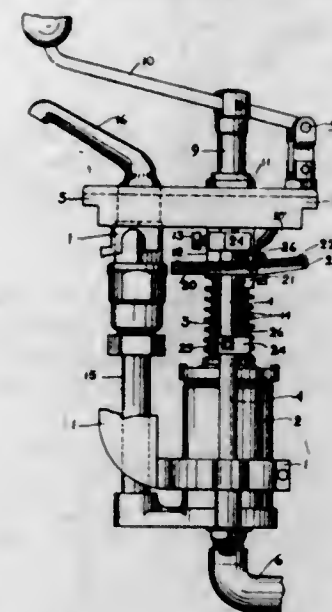
1,739,194. LOOM DOBBY MECHANISM. WILLIAM M. WATTIE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 10, 1928. Serial No. 291,653. 6 Claims. (Cl. 139-74.)



1. In a loom dobby, a knife bar, an actuating lever for each end thereof, means to rock said levers, and connections from each actuating lever to one end of said knife

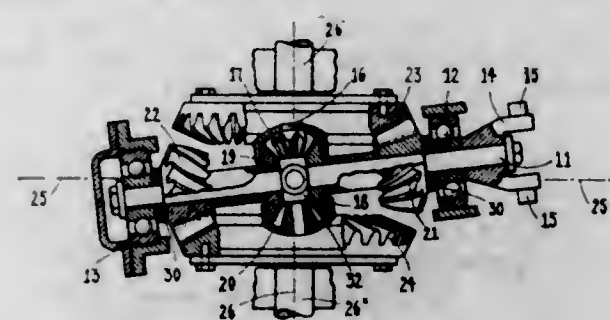
bar, said connections being effective to accelerate the movement of one end of said knife bar and to simultaneously retard the movement of the other end of said knife bar relative to the movement of the points of connection of said actuating levers.

1,739,195. NONREVERSIBLE PUMP. HARLEY T. WHEELER, Dallas, Tex., assignor to Beth H. Wheeler, Dallas, Tex. Filed Sept. 14, 1926. Serial No. 135,384. 2 Claims. (Cl. 221-103.)



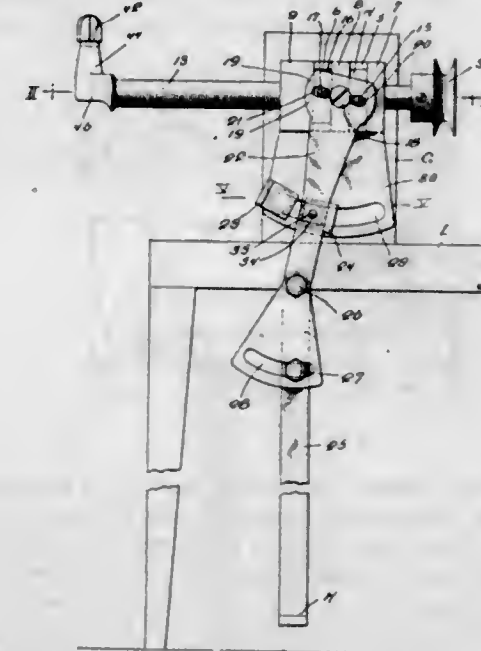
1. In a pump, a cylinder having a piston and piston rod therein, a spring tensioned sleeve on the upper end of the piston rod, a cross head carried by the lower end of the sleeve, a member rigidly carried by the cross head, a double acting detent pivoted to said member, a stationary rack bar, engageable with said detent, a rearwardly extending arm on the detent, a coil spring connected at one end to said arm and at its opposite end to said member, stops on the rack bar engageable with the respective opposite ends of the detent thereby to reverse the latter, the end of said spring which is connected to said arm of the detent and said arm being movable on opposite sides of the detent pivot thereby to hold the detent in either of its two positions, and means to actuate the sleeve.

1,739,196. AXLE. ERNEST WILDHABER, Brooklyn, N. Y. Filed June 30, 1927. Serial No. 202,582. 4 Claims. (Cl. 74-99.)



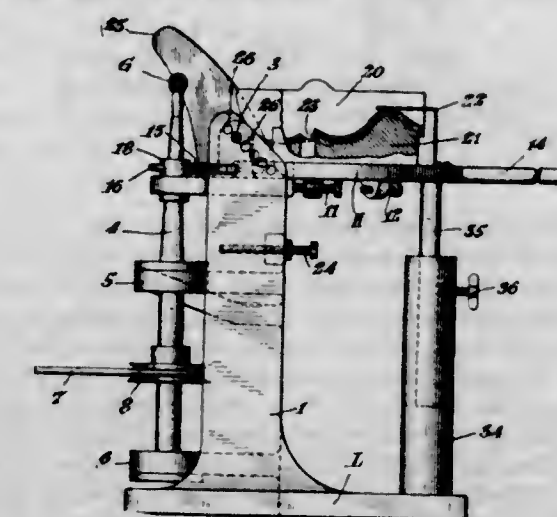
1. An axle, containing a drive shaft, two bevel pinions coaxial with said drive shaft, a differential mechanism for transmitting torque to said pinions, two bevel gears meshing with said pinions and constituting two pairs, both pairs containing teeth inclined to the straight generatrices of their pitch surfaces, the teeth being arranged in opposite hands on the two pinions, the axis of the pinions being inclined to a plane perpendicular to the axis of a gear.

1,739,197. MEANS FOR FITTING EYE SETS IN DOLL HEADS. JOHN H. WILHELM, Rockaway Beach, Long Island, N. Y., assignor to Markon Manufacturing Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 5, 1927. Serial No. 166,036. 10 Claims. (Cl. 90-17.)



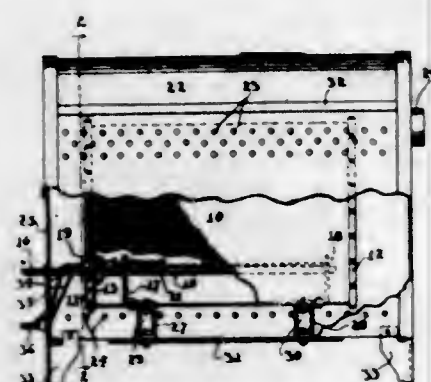
1. A frazing tool comprising a drive shaft, a pair of spindles arranged one at each side of said drive shaft and extending in a direction transverse to the length of said drive shaft, a pair of single gears fixed one to each of said spindles, a single gear fixed to the drive shaft and in constant mesh with said first gears, supporting means for said spindles by which said spindles may be inclined toward and away from each other about a pivot coinciding substantially with the axial centre of the drive shaft while maintaining mesh of said gears, and said gears all being spiral gears.

1,739,198. EYE FRAZING MACHINE. JOHN H. WILHELM, Rockaway Beach, Long Island, N. Y., assignor to Markon Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 13, 1927. Serial No. 239,727. 12 Claims. (Cl. 90-19.)



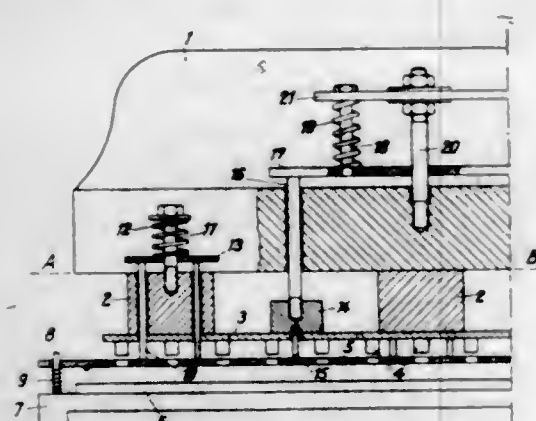
1. A machine for frazing the two eye sockets of a doll head, said machine comprising a single frazing tool, a carrier pivotally mounted to swing upon a horizontal axis, a work supporting platform connected with said carrier to swing therewith for disposing the work in operative association with said tool, and the connection between the carrier and said work supporting platform being of a character providing for movement of said platform into opposite extreme positions with respect to the carrier for thereby enabling frazing of the two eye sockets successively, together with resilient means to hold said platform into either of its extreme positions.

1,739,199. GARAGE HEATER. SAUL K. WOLFF, Long Beach, N. Y., assignor to American Gas Products Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 22, 1928. Serial No. 314,074. 7 Claims. (Cl. 126-85.)



1. A garage heater embodying therein a gas burner, a gauze shield completely inclosing and forming a combustion chamber for said burner, a lighter positioned within said shield adjacent said burner, an inclosing outer casing having small openings adjacent the top and bottom thereof for introducing and circulating air through and about said shield, and means, exteriorly of said casing, for actuating said lighter.

1,739,200. STAMPING DEVICE, ESPECIALLY FOR STAMPING PIECES OUT OF PLATES OF ARTIFICIAL HORN. ADALBERT ZSIGMONDY, Berlin, Germany. Filed Oct. 29, 1928. Serial No. 315,909, and in Germany Sept. 15, 1928. 2 Claims. (Cl. 164-110.)

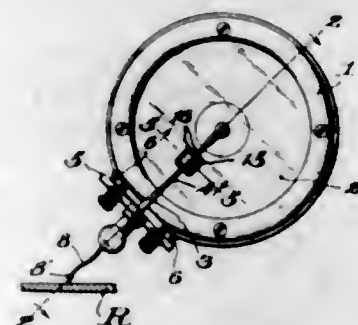


1. A stamping device, especially for stamping pieces out of plates of artificial horn, comprising, in combination, a support adapted to receive a blank; a vertically movable body, blocks attached to the bottom of said body, a punching plate attached to said blocks, and punches upon this plate; a stripping plate arranged between the punching plate and the blank support, and means for holding said stripping plate at some distance over the support provided for the blank; vertically movable pins attached to the stripping plate and extending upwardly through said blocks, and springs arranged over said pins and being adapted to be compressed when the punching plate descends, said springs being also adapted to retain the stamped plate depressed until the punches have left it.

1,739,201. PHONOGRAPH NEEDLE. CHARLES A. AHLSTROM, Jamestown, N. Y. Original application filed Dec. 9, 1925, Serial No. 74,345. Divided and this application filed Jan. 31, 1928. Serial No. 250,815. 3 Claims. (Cl. 274-38.)

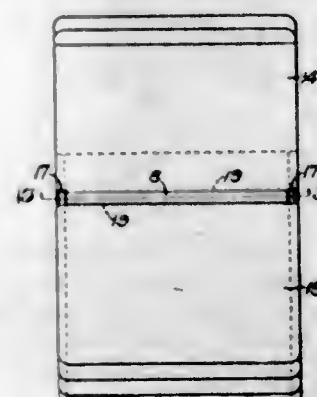
1. A needle for use with a stylus bar and phonograph record, composed of a straight rigid shank having a thinned

end of approximately uniform thickness to provide a flexible part which latter terminates in an integral record engaging tip portion, said thinned part being of gradual



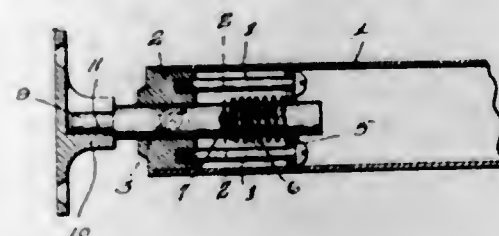
compound curvature throughout its length and formed to extend toward the record and with the axis of the tip portion at substantially 60 degrees to the plane of the record.

1,739,202. PAPER FILE. CHARLES E. ATTWOOD, Wollaston, Mass., assignor to Postindex Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Dec. 3, 1925. Serial No. 72,949. 13 Claims. (Cl. 129-16.)



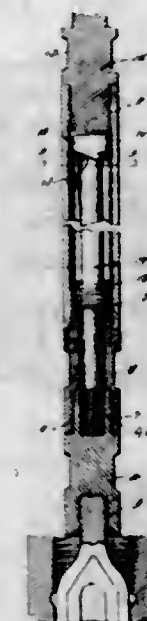
7. In a file, the combination of a series of overlapping sheets, each folded along parallel lines to present two leaves and an intervening base portion, a series of bars extending lengthwise of said base portions, respectively, each bar being disposed between the said parallel lines of its associated sheet and loosely related thereto, and means detachably receiving the ends of said bars, each sheet being removable from its associated bar for insertion in a typewriter, after one or both ends of such bar have been removed from said means.

1,739,203. WINDOW AND CURTAIN ROLLER CONSTRUCTION. ROY T. AXE, Syracuse, N. Y., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 1, 1927. Serial No. 209,722. 2 Claims. (Cl. 156-36.)



1. A roller of the class described comprising a body, a head at one end of the body and detachably secured thereto, a spring abutment within the body and spaced apart from the head and tie-means connecting the head and the abutment, an axle slidably mounted in the head and in the abutment, a shoulder on the axle between the head and the abutment and a compression spring interposed between said shoulder and the spring abutment.

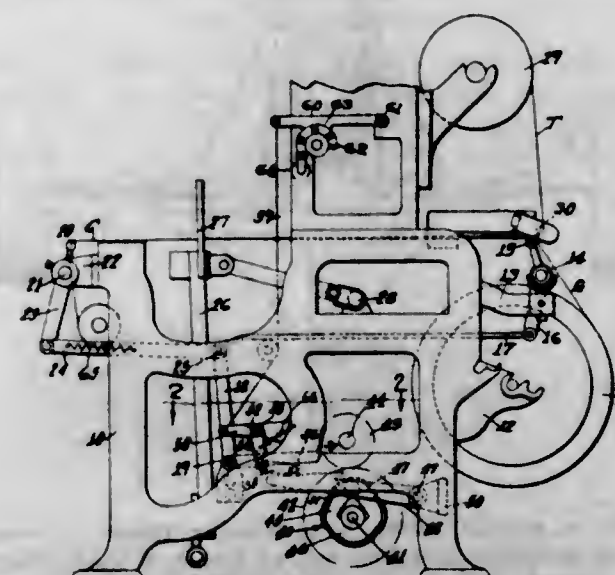
1,739,204. JARRING DEVICE FOR PUMP STRUCTURES. ROBERT W. BANKS, El Dorado, Ark. Filed June 15, 1927. Serial No. 199,082. 2 Claims. (Cl. 255-27.)



1. A jar device for a pump structure comprising a connector adapted to be secured to the pump structure, a jar rod detachably secured to the connector by left hand screw threads, a head carried by the rod, a barrel receiving the rod and head, and means connecting the barrel to the connector, said means being secured to the barrel by right hand threads and detachably secured to the connector by left-hand screw threads.

2. A device for a pump structure comprising a lower connector adapted to be secured to the pump structure, an intermediate connector detachably secured to the lower connector and having an axial passage closed by the lower connector, a jaw rod passing through the intermediate connector and having its lower end detachably connected to the lower connector, a head fixedly secured to the upper end of the rod, a barrel receiving the rod head and secured to the intermediate connector and having its lower end closed by said connector, and an upper connector secured and closing the upper end of the barrel.

1,739,205. LOOM FOR WEAVING TERRY FABRICS OF DIFFERENT HEIGHTS. HAROLD L. BLANCHARD, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 4, 1928. Serial No. 244,528. 13 Claims. (Cl. 139-25.)



1. In a terry fabric loom having a lay and reed moving through a fixed range of movement, supporting bars

for a portion of the cloth and the wrap threads, a pattern mechanism and means under control of the pattern mechanism to give said supporting bars movements of varying degrees with respect to the range of movement of the lay and the reed on pile forming beats of the loom to form terry piles of different heights, the heights of pile being determined by the pattern mechanism.

1,739,206. UNDERREAMER. EMMOR A. BUCHANAN, Cherryvale, Kans. Filed Sept. 24, 1925. Serial No. 58,457. 11 Claims. (Cl. 255-76.)



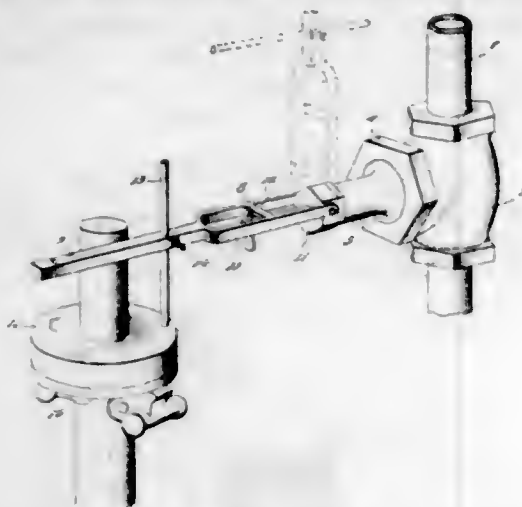
1. Means for reaming an oil or gas well comprising in combination with a rotatable tubing, a tubular reamer having its upper end pivoted directly to the lower end of the tubing at a relatively fixed center of pivotal movement and forming a closed joint with the tubing, the entire reamer below the tubing being unrestrained whereby it may respond to centrifugal action and having its bore communicating directly with the bore of the tubing at all times.

11. A reamer for wells comprising a tubular reamer body, cutters encircling and carried by said body, a coupling head fitting over the upper end of the reamer body and having pivotal connection therewith, the bore of said head being enlarged in its upper portion and the head being provided with lateral vents near the lower end of said enlarged bore, means for connecting said head to well tubing, a locking sleeve slidably fitted in the enlarged bore of the head and adapted to engage the upper end of the reamer body to lock the same against pivotal movement, yieldable means for holding the locking sleeve out of engagement with the reamer body, and means to limit the movement of the locking sleeve under the influence of said yieldable means.

1,739,207. AUTOMATIC SHUT-OFF VALVE. ARTHUR B. CASE, Wilson, Okla. Filed June 7, 1928. Serial No. 283,637. 1 Claim. (Cl. 137-140.)

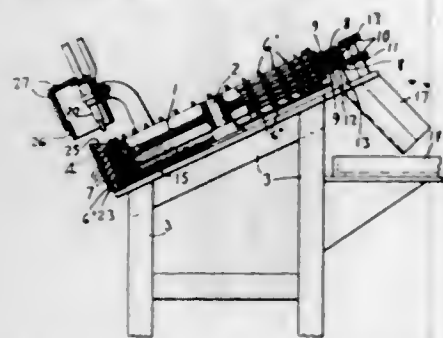
In an engine cut off the combination with a spring actuated valve, an element projecting laterally from the valve stem, a member pivoted to the valve body and comprising a stem and a fork, a cross bar connecting the

elements of the fork and adapted to engage the lateral element of the valve stem, and a rod adjustably connected



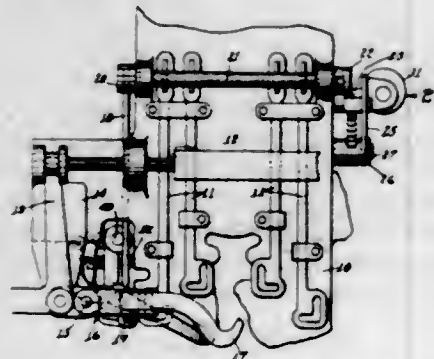
with the stem of the pivoted member and adapted to be tripped to release the valve and admit of its automatic seating.

1,739,208. METHOD OF AND APPARATUS FOR SEALING THERMOMETER TUBES. JOHN L. CHANEY, Springfield, Ohio. Filed Dec. 18, 1928. Serial No. 326,814. 12 Claims. (Cl. 49-7.)



10. In an apparatus of the character described, an inclined rotatable carrier, means for supporting a series of thermometer tubes about said carrier with the bulbs thereof lowermost and open ends thereof uppermost, means located in the path of the tubes for reducing the temperature of the same, means also located in line with the path of the tubes for sealing the same, and means whereby the tubes are automatically discharged from said carrier.

1,739,209. BOBBIN RELEASE FOR WEFT-REFRESHING MECHANISM. AUGUSTIN J. CHEVRETT, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 8, 1928. Serial No. 283,977. 10 Claims. (Cl. 139-232.)



1. In a weft replenishing mechanism for looms, a lay, a pair of movable jointed bobbin supporting elements, means normally holding said elements in open bobbin releasing position, and a resetting device carried by one of the elements and moving therewith to be engaged and moved by the lay to move said elements to open bobbin releasing position.

1,739,210. PROCESS OF MAKING UNSATURATED ACYL CELLULOSE ESTERS. HANS T. CLARKE and CARL J. MALM, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 4, 1927. Serial No. 188,861. 9 Claims. (Cl. 260-101.)

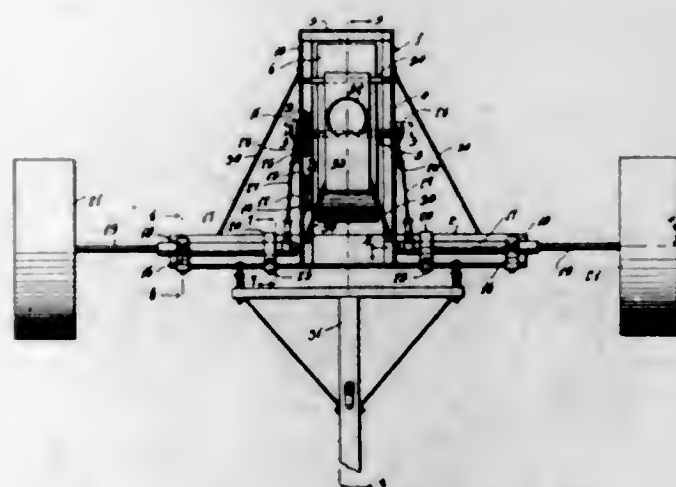
6. In the process of making organic esters of cellulose, heating together partially hydrated cellulose and a mono-carboxylic organic acid in which there is an ethylenic bond until a lower cellulose ester containing an unsaturated acyl group is produced, and thereafter further esterifying said lower cellulose ester.

1,739,211. SHAVING-BRUSH ATTACHMENT. WILLIAM E. CODDO, Chicago, Ill. Filed Sept. 2, 1927. Serial No. 217,195. 2 Claims. (Cl. 132-81.)



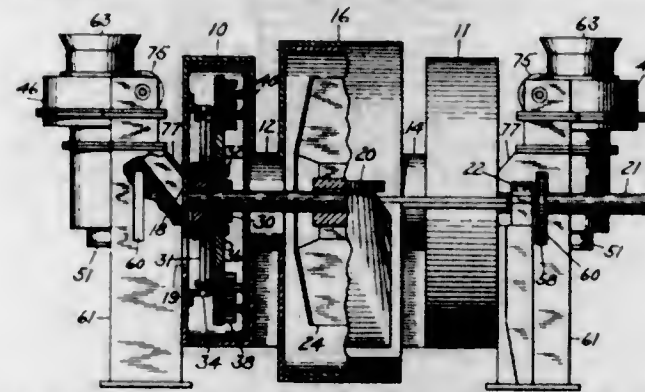
1. In combination, a shaving brush including a handle having a hollow interior opening outwardly from one end portion of the handle, a cap closing the end portion of said handle, a holder secured to said cap and having a plurality of yieldable fingers adapted for engagement with an end portion of the styptic pencil, means for detachably connecting said holder to said handle when said cap is connected to said handle, and means for connecting said cap to said handle.

1,739,212. THREE-ROW GROUND ROLLER. JOHN CRAIG, Alta Vista, Kans. Filed Oct. 4, 1928. Serial No. 310,296. 3 Claims. (Cl. 55-47.)



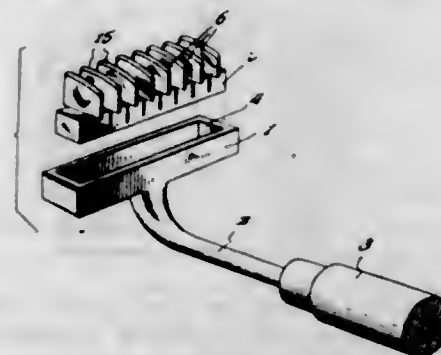
1. In a ground roller, a supporting frame, a bearing member pivotally mounted on the frame, a shaft slidably and rotatably mounted on said member, a roller secured to said shaft, and means to adjust the position of said bearing member to incline the shaft forwardly and rearwardly of the frame to slide the shaft in said bearing.

1,739,213. PULVERIZING APPARATUS. OLLISON CRAIG, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 19, 1926. Serial No. 142,730. 7 Claims. (Cl. 83-11.)



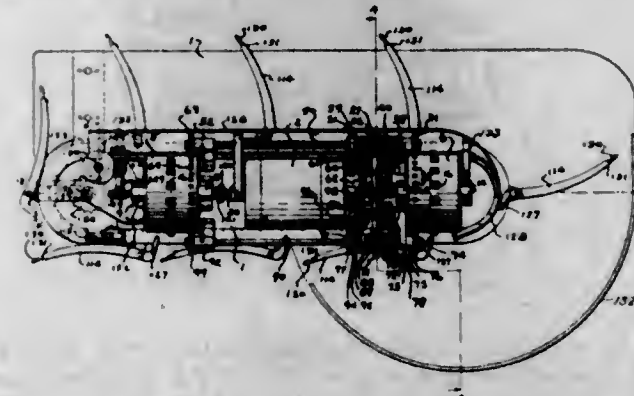
1. A pulverizing apparatus comprising separate pulverizing devices, separately regulatable means for feeding pulverizable materials to said pulverizing devices, whereby said materials are independently pulverized in desired proportions, and single mixing device connected with both of the pulverizing devices and arranged to receive the materials therefrom and mix them intimately.

1,739,214. MEAT TENDERER. AMY F. DARLING, Boston, Mass. Filed Oct. 26, 1927. Serial No. 228,927. 1 Claim. (Cl. 17-25.)



A meat tenderer comprising a metal head having walls along its sides and ends and defining a pocket open at its bottom, a molded metal block fitted snugly into said pocket with its under surface flush with the edge faces of the walls, and knives spaced from each other longitudinally of the block with portions projecting from opposite sides thereof across the side walls of the pocket in contacting engagement therewith, said knives having shanks embedded in the block during molding thereof and rigidly held by the block, the block being fused into engagement with the walls of the pocket.

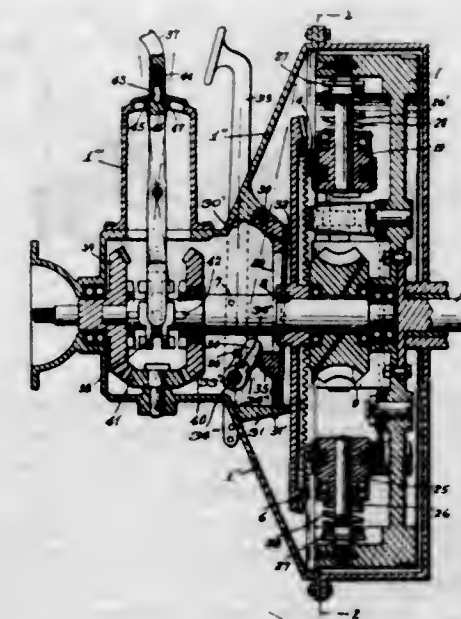
1,739,215. DISINTEGRATING AND CONVEYING MACHINE. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, Richard Peale, and Rembrandt Peale, Jr., trustees. Filed May 12, 1923. Serial No. 638,486. 27 Claims. (Cl. 198-7.)



21. A mechanism for removing shot down material including in combination an automotive machine having

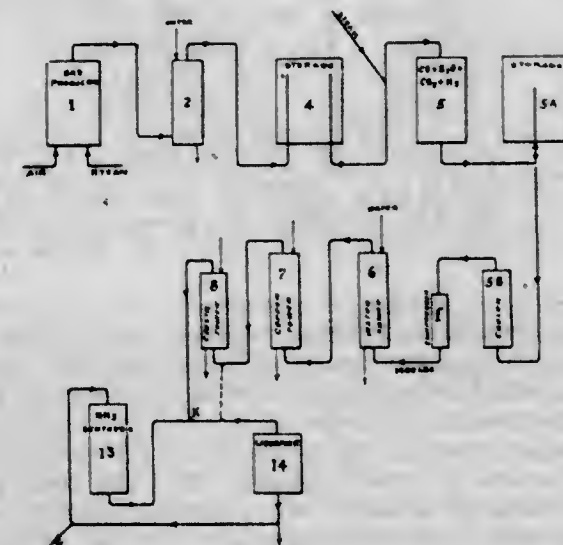
a low compact frame of relatively great breadth and relatively small length, means for advancing the machine broadside into a pile of shot down material and means for conveying material in a straight horizontal direction broadside of the machine from the pile to discharge at the same level.

1,739,216. CLUTCH MECHANISM AND CHANGING OF SPEED. LORENZO DURÁN Y DASPENAS, Habana, Cuba. Filed June 4, 1927. Serial No. 196,605. 3 Claims. (Cl. 74-34.)



1. In speed changing mechanism, a driving axle, a driven axle, a fly wheel secured to the driving axle, a crown gear wheel fixed to the driven axle, means to brake the crown gear wheel, a set of counterweighted gear members rotatably mounted on the body of the fly wheel and meshing with said crown gear, counterweights mounted on the body of the fly wheel for radial movement, springs to move said counterweights toward the driving shaft and connecting means between the counterweights and the counterweighted gear members for varying the speed of rotation of said gear members in regard to each other and producing the pull of the crown gear fixed to the driven axle.

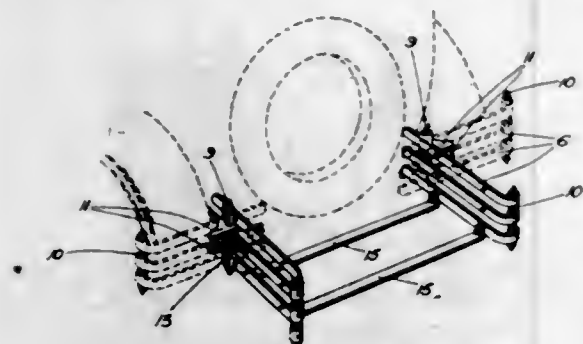
1,739,217. SYNTHETIC AMMONIA PROCESS. JOSEPH G. DELY, Syracuse, N. Y., assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y., a Corporation of New York. Filed Sept. 19, 1923. Serial No. 663,662. 2 Claims. (Cl. 23-7.)



2. In the art of preparing a gas containing small percentages of carbon monoxide for industrial uses requiring a substantially complete absence of carbon monoxide

in the gas, the process which comprises bringing the gas containing the carbon monoxide into contact, under high pressure, with an ammoniacal cuprous solution refrigerated to a temperature at least as low as approximately zero degree C.

1,739,218. BUMPER BAR. ALFRED MELVILLE DUNCAN, Clovelly, near Sydney, New South Wales, Australia. Filed June 28, 1928, Serial No. 288,890, and in Australia Aug. 8, 1927. 1 Claim. (Cl. 293—35.)



An improved bumper for motor vehicles comprising the combination with bumper bar sections composed of one or more bars, of pivots for each of said sections, brackets adapted to support said sections and pivots in hinged relationship, strengthening members connecting the brackets and detachable members adapted to act as luggage supporting members.

1,739,219. REPRODUCING NEEDLE FOR TALKING MACHINES, PHONOGRAPHS, AND SIMILAR INSTRUMENTS. HARVEY J. FIDDLER, Chicago, Ill., assignor to Hall Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 25, 1926. Serial No. 83,434. 1 Claim. (Cl. 274—38.)



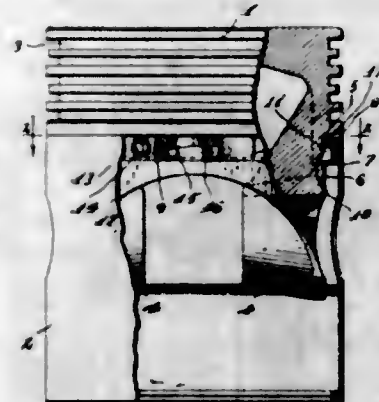
A needle of the class specified comprising a point portion having a triangular cross section and a holder portion having a circular cross section, the circle of said holder portion being substantially a circle inscribed in the triangular cross section of the point portion.

1,739,220. BROACH. ALBERT FORBERO, Hudson, Mass., assignor to La Pointe Machine Tool Company, Hudson, Mass., a Corporation of Maine. Filed Oct. 31, 1927. Serial No. 229,829. 1 Claim. (Cl. 90—33.)



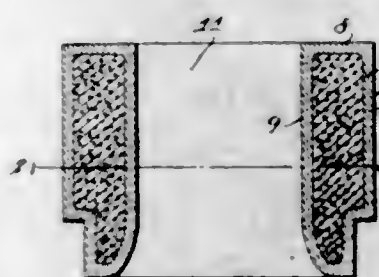
A broach for finishing a cylindrical hole, comprising a plurality of series of cutting sections, each series comprising a plurality of successive cutting sections, substantially polygonal in outline, and having narrow cutting portions at the angles of said section and circumferentially spaced apart, the cutting portions of each section being positioned out of axial alignment with the cutting portions of adjacent sections, and a circular cutting section for each series, the outside diameters of the cutting sections in each series being substantially the same as the circular section of said series, and the diameters of successive series being each progressively and slightly increased over the preceding series.

1,739,221. PISTON. PHELPS M. FREER, Detroit, Mich. Filed Jan. 14, 1929. Serial No. 332,534. 10 Claims. (Cl. 74—108.)



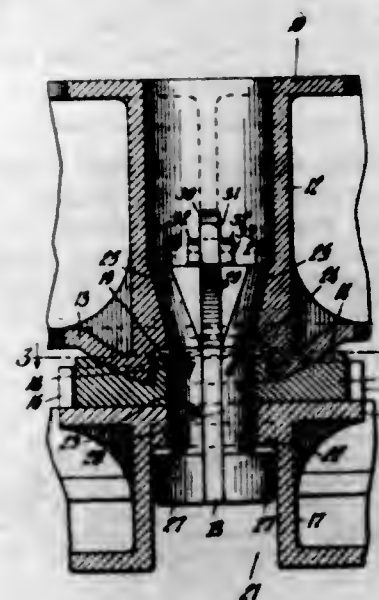
1. In a piston, the combination with head and skirt members, of means for securing said head and skirt members together, including a member having cam engagement with one of said head and skirt members upon relative rotation of said last mentioned member and said securing member.

1,739,222. SHRINK-HEAD CASING FOR INGOT MOLDS. EMIL GATHMANN, Baltimore, Md. Filed July 14, 1928. Serial No. 292,703. 5 Claims. (Cl. 22—147.)



3. A shrink head casing for ingot molds comprising a porous core of highly heat-insulating material and outer walls which are highly refractory and relatively strong and self-supporting.

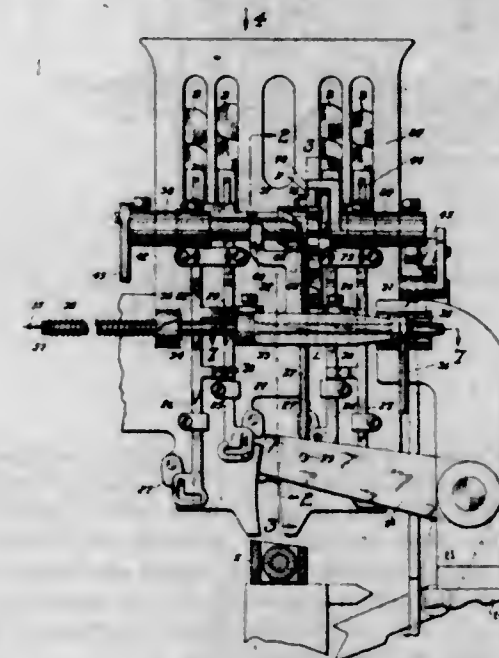
1,739,223. CAR CONSTRUCTION. WILLIAM A. GEIGER, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 28, 1929. Serial No. 335,449. 8 Claims. (Cl. 105—200.)



1. In car construction, the combination with body and truck bolsters having aligned center pin receiving openings; of a pin having a tapered head cooperating with a tapered seat on one of said bolsters to prevent removal of the pin in one direction and means at the other end

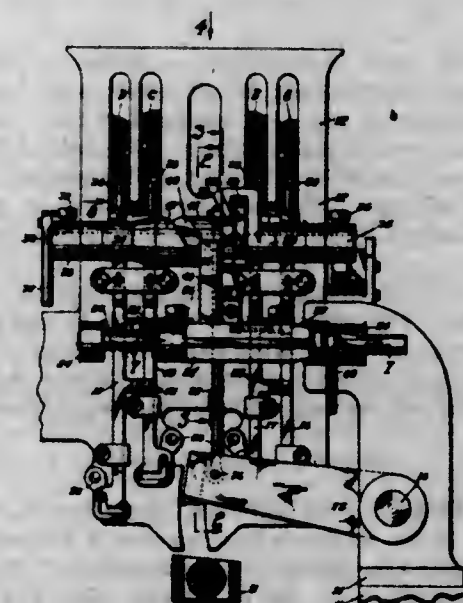
of the pin cooperating with the other bolster to prevent removal of said pin in a reverse direction, said pin comprising a plurality of sections including a spreading member which when removed permits collapse of the pin to effect reduction in size of said tapered head to allow passage thereof through the pin receiving openings.

1,739,224. AUTOMATIC WEFT-REPLENISHING LOOM. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 13, 1928. Serial No. 285,067. 19 Claims. (Cl. 139—232.)



1. In a weft replenishing loom operating with a plurality of stacks of bobbins, a longitudinally movable color slide, transfer mechanism, a control member for the transfer mechanism extending in a direction substantially parallel to the longitudinal movement of the color slide, co-operating means mounted in part on the color slide and in part on the control member to give said color slide progressive movements to different positions as the transfer mechanism operates, and means to effect release of a bobbin from any stack, dependent upon the position of the color slide.

1,739,225. WEFT-REPLENISHING MECHANISM FOR LOOMS. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 13, 1928. Serial No. 285,068. 8 Claims. (Cl. 139—232.)

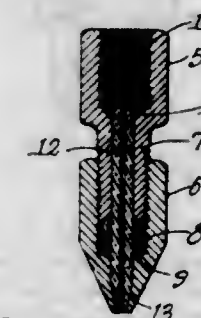


1. In a weft replenishing mechanism operating with a plurality of stacks of bobbins, a longitudinally movable

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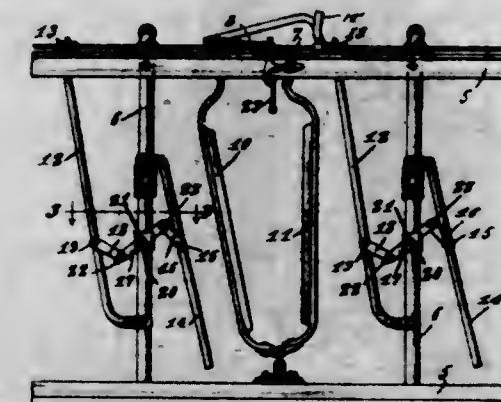
color slide to determine from which stack transfer shall take place, transfer mechanism, a control member movable about a fixed axis which is substantially parallel to the longitudinal movement of the color slide, means to be rotated by the transfer mechanism about the fixed axis and supported by the control member and presenting a closed cam slot extending along the fixed axis and also about the latter, and an actuator cooperatively related to the slot and operatively connected to the color slide to cause movement of the latter as the cam slot rotates about the fixed axis.

1,739,226. NOZZLE. ZEB S. GOSS, West Fitchburg, Mass. Filed July 10, 1928. Serial No. 291,645. 1 Claim. (Cl. 299—107.)



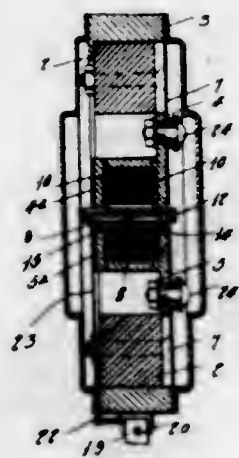
A nozzle of the class described including a sectional body portion, one of the sections having a threaded elongated extension, the other section having an enlarged threaded bore and having a smaller bore formed with a tapered portion, packing material disposed between the sections, a glass tube having tapered ends fitted in the elongated extension and having one end engaging the tapered portion of the bore of the second mentioned section to insure a close fit between the tube and bore, the first mentioned section having an enlarged threaded bore into which the opposite end of the tube extends, the last mentioned end of the tube being supported in spaced relation with the wall of the last mentioned enlarged bore.

1,739,227. STANCHION SURE STOP. CHARLES H. GRUBB, Baraboo, Wis. Filed Apr. 18, 1928. Serial No. 271,020. 2 Claims. (Cl. 119—148.)



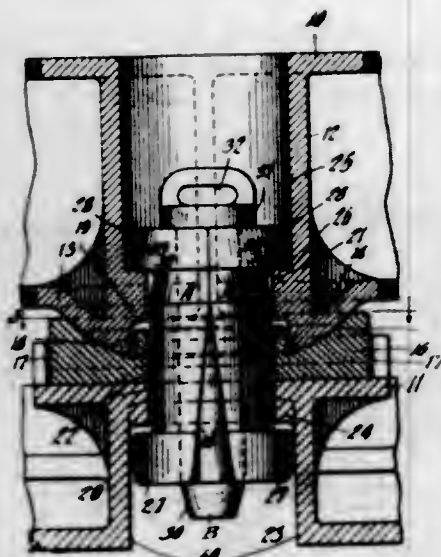
1. In combination with a stanchion and the uprights between which the stanchion is positioned, downwardly extending guarding arms pivotally connected to the uprights, upstanding guarding arms pivotally connected to the uprights below the first mentioned arms, operating arms pivotally supported on the uprights and having intumed ends, links connected to the guarding arms and having connection with the operating arms, said intumed ends of the operating arms adapted to engage the links to restrict movement of the guarding arms, and said guarding arms adapted to guard the spaces between the stanchions and uprights.

1,759,228. ELECTRICAL REPRODUCER FOR PHONOGRAPH RECORDS. LELAND D. HARRIS, Salt Lake City, Utah. Filed June 12, 1926. Serial No. 115,524. Renewed Apr. 12, 1928. 3 Claims. (Cl. 179-100.1.)



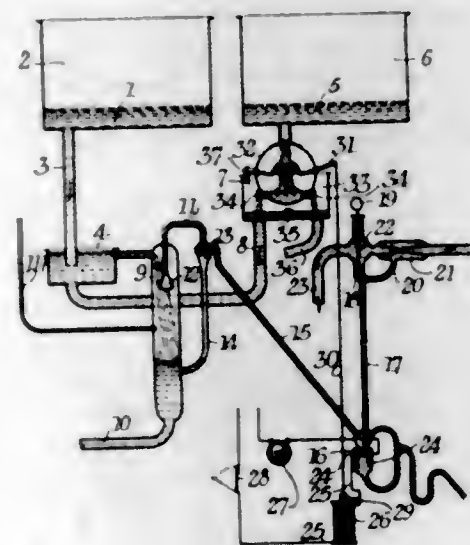
1. An electrical reproducer embodying semi-circular permanent magnets, pole pieces arranged diametrically of the magnets and having their outer ends secured to a side of the magnets, the inner ends of the pole pieces being of substantially U-form and arranged parallel to the plane of the pole pieces and extending into the magnets, a coil located within the inner ends of the pole pieces, a frame extending through and beyond the coil and engaged by the ends of the pole pieces to secure it and the coil in place, and an armature arranged within and rockably supported by the frame.

1,739,229. CAR CONSTRUCTION. STACY B. HASELTINE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 24, 1929. Serial No. 334,691. 6 Claims. (Cl. 105-200.)



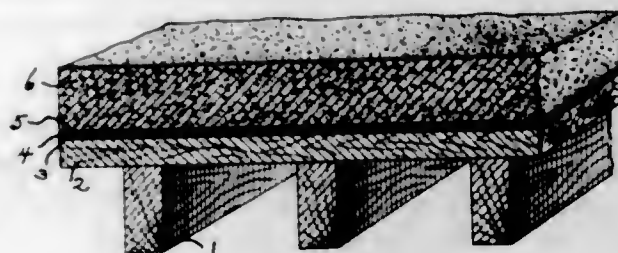
1. In car construction, the combination with body and truck bolsters having aligned center pin receiving openings; of a multipart center pin including outer members and a filler member, said outer members each being headed at opposite ends and having shouldered engagement with the bolsters, said filler member holding the multipart pin expanded and maintaining the shouldered engagement thereof with the bolsters, said pin at one end thereof having the outer members cut away at the inner sides to allow contraction of said end of the pin when the filler member is removed to permit insertion of said headed end through the pin receiving openings.

1,739,230. PROCESS AND APPARATUS FOR REGULATING CHEMICAL REACTIONS. KENNETH C. D. HICKMAN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 1, 1927. Serial No. 209,807. 7 Claims. (Cl. 23-230.)



1. In the process of regulating a chemical reaction, one stage of which causes the presence at the reaction mixture of a gas that will induce a characteristic conductivity in an electrolyte, the steps for finding whether said stage has been reached, which consist in fixing said electrolyte with any gas from said reaction mixture and then measuring the conductivity of said electrolyte, said electrolyte being separate from the reaction ingredients.

1,739,231. METHOD OF AND APPARATUS FOR FORMING CONCRETE FLOORS OR THE LIKE. JOHN WILLIAM HOLDSWORTH and HARRY HOLDSWORTH, New Rochelle, N. Y. Filed Nov. 9, 1928. Serial No. 318,139. 8 Claims. (Cl. 25-122.)



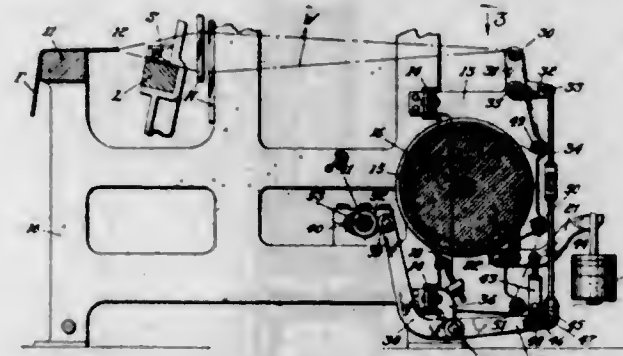
3. A wooden mold comprising a series of connected planks having intermediate joints, said mold having an inner lining made of cellulose material connected thereto by an adhesive which substantially fills said joints and which also substantially fills the irregularities in said planks, said adhesive being sufficiently firm to maintain said lining against distortion when the molding pressure is applied.

8. In the art of casting plastic material to obtain a smooth surface, the steps which consist in applying an adhesive layer to a non-metallic base to eliminate the voids therein, applying a lining upon said adhesive layer, and applying a thin coating non-adherent to the plastic material.

1,739,232. LET-OFF FOR LOOMS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 6, 1927. Serial No. 238,152. 7 Claims. (Cl. 139-100.)

1. In a let-off motion for a loom having a lay to beat in the filling, a lever oscillated each pick of the loom

when the lay is in its beating-up position, a whip roll movable toward and from the lay, a normally resisted warp delivery means acting independently of the whip roll at all times, and connections between said lever



and the whip roll and between said lever and the warp delivery means to move the whip roll rearwardly and also to increase the resistance offered to the movement of the warp delivery means when said lever oscillates at the time of beat-up of the lay.

1,739,233. STOVEPIPE OR THE LIKE. WALTER E. HUENEFELD, Cincinnati, Ohio. Filed Mar. 8, 1929. Serial No. 345,360. 5 Claims. (Cl. 126-309.)



1. A sheet metal stove pipe section having along one of its side edges, an outwardly extending neck terminating in an external hook, said neck and hook providing opposed shallow and deep cavities, the other edge portion having an internal hook to interlock with the first mentioned hook, and a nose to extend into said deep cavity, and an extension merging into said internal hook and normally projecting into said shallow cavity, the extremity of said extension being free to swing inwardly out of the shallow cavity when said edge portions are swung relatively to one another, while using the extremity of the external hooks as a fulcrum.

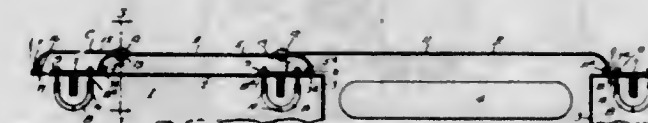
1,739,234. PROCESS OF MAKING METAL FILAMENTS. RICHARD JACOB and FRITZ KOREF, Berlin, Germany, assignors to General Electric Company, a Corporation of New York. Filed June 1, 1922. Serial No. 545,269, and in Germany June 18, 1921. 4 Claims. (Cl. 176-132.)

3. The process of making from tungsten drawn ductile wires composed of elongated crystal grains each of a length many times its diameter and on the average of a size to fill all or a considerable part of the cross section of the wire overlapping along the length of the wire,

which consists in first bringing a drawn wire with fibrous structure to a temperature at which destruction of the fibers begins, then subjecting the wire to mechanical treatment to deform it slightly, and then passing it continuously through a zone of suitable temperature to form new crystals.

4. In the manufacture of tungsten filaments, the improved process which comprises annealing a wire, applying a suitable strain to the wire, and then passing the wire through a zone of steep temperature gradient.

1,739,235. BUMPER. HERBERT S. JANDUS and FRANCIS H. GOODRICH, Detroit, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed Sept. 7, 1926. Serial No. 133,843. 27 Claims. (Cl. 293-57.)



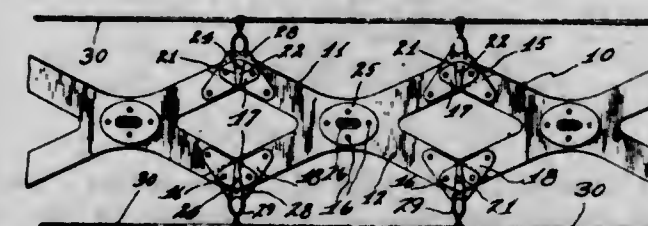
17. A bumper comprising a main section supported from a vehicle and an auxiliary section having one end supported by the vehicle and the other end adjustably mounted upon the main section.

1,739,236. RESILIENT CLAMP. HERBERT S. JANDUS, Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed Feb. 28, 1927. Serial No. 171,471. 16 Claims. (Cl. 293-55.)



1. The combination of a bumper having a bar adapted to support the impact element, a support arm for supporting said bar from a vehicle, and means for resiliently connecting the support arm to the said bar, said means consisting of a block of yielding material surrounding the bar, a plate adapted to press upon the outside of the arm and means for compressing the yielding material between the bar and arm.

1,739,237. SAFETY CALK WEB. MACK I. KARN, Pontiac, Mich. Filed Apr. 9, 1928. Serial No. 268,650. 6 Claims. (Cl. 152-14.)

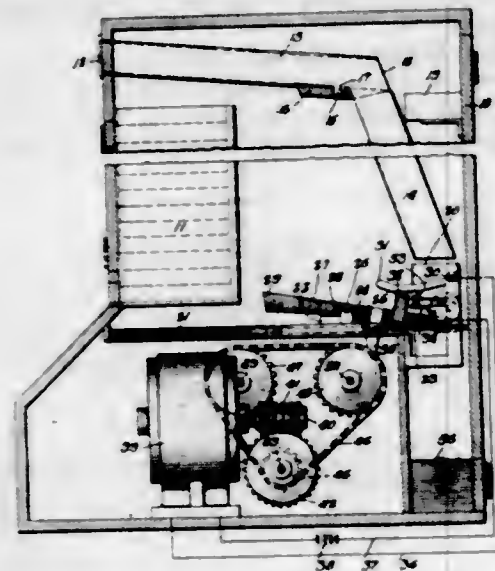


1. In an anti-skid device, a flexible web comprising overlapping sections, calks positioned on the web at the point of connection of adjacent sections, and a common securing means for said sections and calks.

1,739,238. VENDING MACHINE. ROY B. KEEHNEL, Independence, Mo. Filed Mar. 14, 1929. Serial No. 347,117. 9 Claims. (Cl. 194-10.)

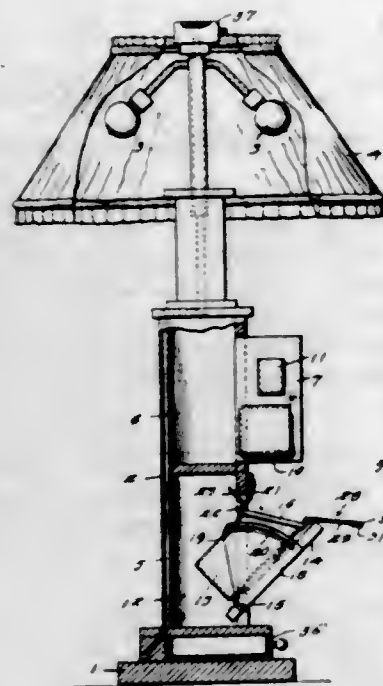
1. A machine of the class described having a device adapted to receive a coin, a lever arranged for engage-

ment by the coin and to be tilted through said engagement, electric circuit means engageable upon the displacement



of the lever, and means operable through the closing of the electric circuit means to impart a bodily movement to the lever to effect a vending operation.

1,739,239. SMOKER'S OUTFIT. ALLEN WELSTON KEEFER, Normal, Ky. Filed Oct. 21, 1926. Serial No. 143,196. 5 Claims. (Cl. 131-51.)



1. A smoker's outfit comprising a casing having a door, an ash receiver secured to the inner side of the door, a dished lid for the ash receiver and provided with an opening and a closure for the opening adapted to automatically move into active position during the closing of the door and into inactive position during the opening of the door.

1,739,240. MEASURING-TAPE REEL. ADOLPH LANGSTEN, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a Corporation of Delaware. Filed June 22, 1928. Serial No. 287,403. 14 Claims. (Cl. 220-1.)

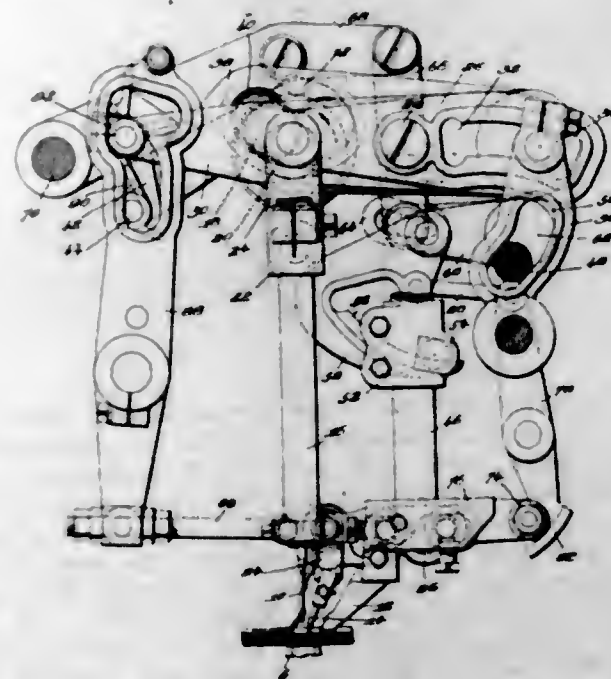
1. In a tape reel, a multi-part casing having flanged portions in interfitting engagement, outstanding shoulders

formed in said flanged portions to define a peripheral groove, cover pieces for said casing having portions terminating in said groove, and a finishing band overlying the



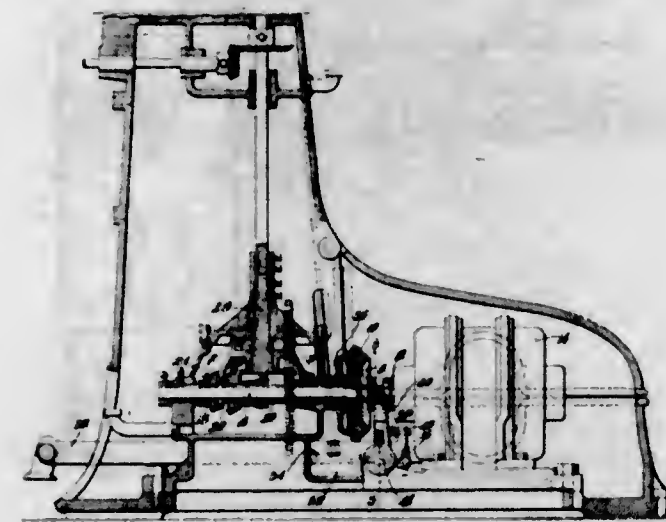
edges of said cover and hiding the same, said band being confined against lateral movement by said peripheral shoulders.

1,739,241. SEWING MACHINE. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 2, 1924, Serial No. 690,265. Divided and this application filed Oct. 19, 1925. Serial No. 63,226. 9 Claims. (Cl. 112-60.)



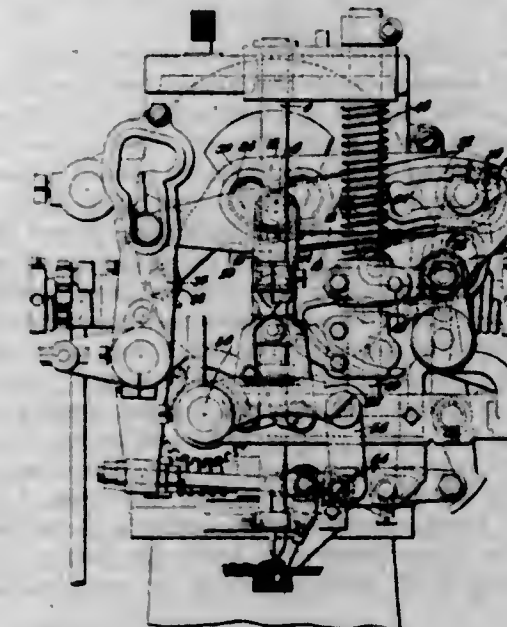
7. A chain stitch shoe sewing machine having, in combination, a straight hook needle, a shoe supporting horn arranged to extend within the shoe, needle actuating mechanism located in the horn, needle actuating mechanism, a presser foot, connections between the presser foot and the needle actuating mechanism for adjusting said mechanism to vary the throw of the needle as the work varies in thickness, a presser foot mechanism comprising positively acting self-locking adjustable connections for raising the presser foot during each stitch forming cycle, and a separate set of connections from the presser foot mechanism to the presser foot for adjusting the presser foot mechanism to lift the presser foot a uniform distance regardless of the thickness of the work.

1,739,242. DRIVING MECHANISM. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 2, 1924, Serial No. 690,265. Divided and this application filed Oct. 19, 1925. Serial No. 63,227. 2 Claims. (Cl. 74-59.)



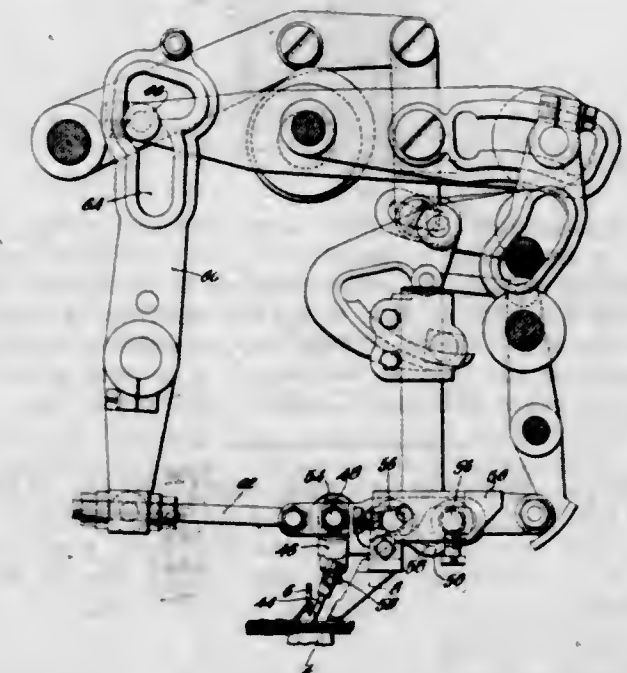
1. A two speed driving mechanism for sewing and other machines comprising a power shaft, a driven shaft at an angle to the power shaft, an intermediate shaft in line with said power shaft, a sleeve mounted on said intermediate shaft, two sets of gears connecting the driven shaft with the intermediate shaft and sleeve, a one way clutch between one of said sets of gears and the driven shaft to permit the driven shaft to rotate ahead of said gears, and means for clutching the intermediate shaft to the power shaft or for clutching the intermediate shaft and sleeve to each other and to the power shaft.

1,739,243. SEWING MACHINE. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 2, 1924, Serial No. 690,265. Divided and this application filed Oct. 19, 1925. Serial No. 63,228. 9 Claims. (Cl. 112-34.)



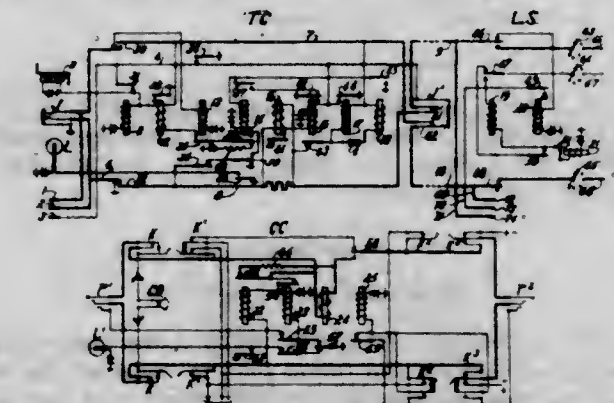
3. A sewing machine having, in combination, stitch forming devices including a needle, needle actuating mechanism comprising a constant throw lever, a variable throw lever directly pivoted thereon and extending substantially parallel therewith, needle actuating connections between said variable throw lever and the needle, a fulcrum for said variable throw lever fixed except as it is moved to vary the needle throw, and means controlled by the thickness of the work for moving said fulcrum to vary the needle throw.

1,739,244. FEED MECHANISM FOR SEWING MACHINES. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 2, 1924, Serial No. 690,265. Divided and this application filed Oct. 19, 1925. Serial No. 63,229. 2 Claims. (Cl. 112-47.)



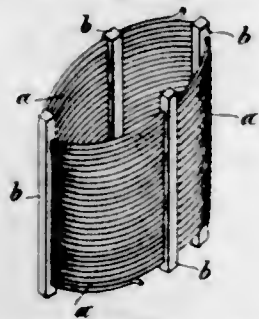
2. A shoe sewing machine having, in combination, stitch forming devices including a straight hook needle, a shoe supporting horn arranged to extend within the shoe, needle threading mechanism located in the horn, a feed point, a presser foot, a feed point carrier means for moving the carrier forward and backward in the line of feed in an unvaried angular position, and a plurality of pin and slot connections between the presser foot and carrier comprising slots having parallel portions inclined to the direction of feed, and horizontal portions extending in the direction of feed, said pin and slot connections being arranged to allow a bodily sliding movement of the carrier in the line of feed, and to move the carrier towards and from the work.

1,739,245. AUTOMATIC TELEPHONE SYSTEM. CLARENCE E. LOMAX, Oak Park, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 11, 1926. Serial No. 134,769. 15 Claims. (Cl. 179-27.)



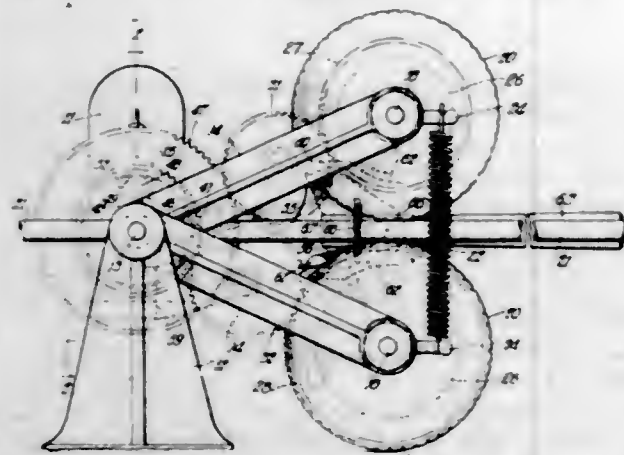
5. In a telephone system, a two way trunk line, an electromagnetic relay at one end of said trunk line having a winding normally bridged across the talking conductors of said trunk line, means effective when the trunk line is taken into use at the other end for connecting a source of current in bridge of said trunk line to energize said relay, a test terminal for said trunk line, and contacts on said relay for connecting ground to said test terminal to make said trunk line test busy.

1,739,246. METHOD OF MANUFACTURING WIRE COILS. JOHANN MAJCE, Vienna, Austria. Filed Nov. 7, 1927. Serial No. 231,446, and in Austria Nov. 10, 1926. 3 Claims. (Cl. 175-359.)



1. The method of manufacturing wire coils which consists in supporting a plurality of rods of readily fusible insulating material in spaced relation to each other, and winding a length of wire in heated condition in contact with one side of each of said rods, thereby to melt the material of the rods at the points of contact with the wire and cause said wire to embed itself in the rods.

1,739,247. APPARATUS FOR MEASURING MATERIALS. ALFRED MARCHEV, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1925. Serial No. 19,701. 8 Claims. (Cl. 33-134.)



1. In a material measuring device, a plurality of independently mounted members adapted to engage oppositely disposed surfaces of the material to be measured and to be operated upon a relative longitudinal movement between the material and the members, a counter, and a gear train interconnecting said counter with said members so that the mean of the independent operations thereof, representing the true linear measurement of the material, is indicated by said counter.

1,739,248. METHOD OF RECLAIMING RAILWAY-CAR AXLES. WALLACE B. MARTIN, Cleveland Heights, Ohio. Filed Sept. 14, 1928. Serial No. 305,943. 7 Claims. (Cl. 29-165.)

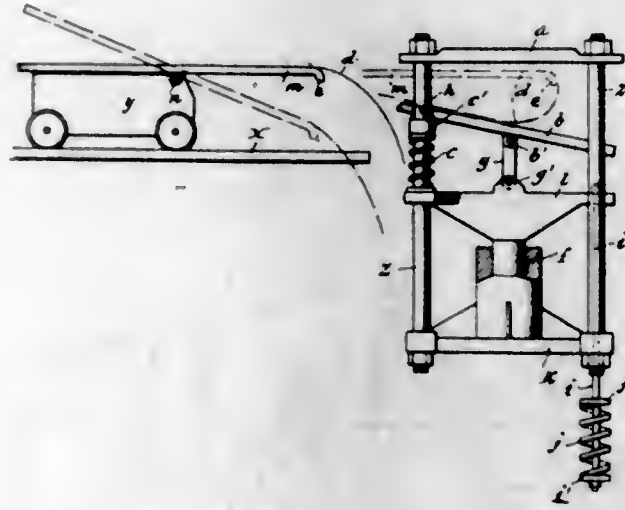


4. The method of reclaiming worn axles consisting of swedging metal from the wheel seat to build up the worn journal portion, and replacing the wheel seat metal by securing a metal ring thereon.

1,739,249. MACHINE FOR FOLDING SHEET METAL. FRITZ MENNE, Weidenau-on-the-Sieg, Germany, assignor to Herman F. Hoewel, New York, N. Y. Filed Mar. 17, 1928, Serial No. 262,406, and in Germany Mar. 5, 1927. 13 Claims. (Cl. 153-15.)

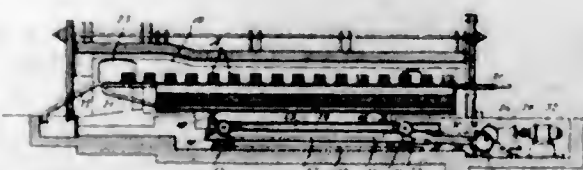
1. A machine for folding sheet metal, comprising two companion members movable relatively to each other and

adapted to engage a folded sheet on opposite sides to develop a compression force thereon, one of said members being mounted to swing so as to vary the angle it forms with the other member, to impart a sort of rolling action



to such member during the folding operation and to develop an initial folding pressure on said sheet, and means for giving the swinging member normally a position oblique with reference to the other member.

1,739,250. FURNACE. FRITZ MENNE, Weidenau-on-the-Sieg, Germany, assignor to Herman F. Hoewel, New York, N. Y. Filed June 7, 1928, Serial No. 283,503, and in Germany June 24, 1927. 1 Claim. (Cl. 263-6.)

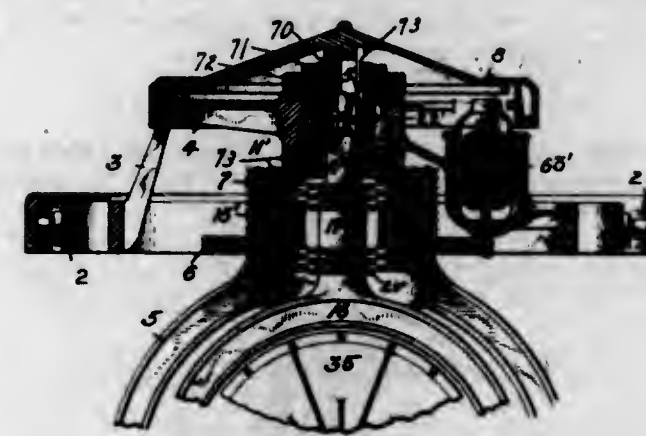


A furnace having a longitudinal passage, parallel cooled pipes in said furnace extending lengthwise of said passage at opposite sides thereof, a loose bottom in said passage movable therein both lengthwise of the furnace and up and down relatively thereto, parallel cooled pipes fixed on the upper surface of said bottom, said cooled pipes constituting supports for the articles to be passed through the furnace, a pair of superposed carriers located at each side of the furnace exteriorly thereof, co-operating inclinations and rollers on said carriers whereby movement of one carrier lengthwise of the other will cause upward or downward movement of the upper carrier, the latter supporting said loose bottom, and unitary mechanism for first moving the lower carrier in one direction relatively to the upper carrier to raise the latter, for subsequently moving both carriers jointly in one direction, for then moving the lower carrier in the opposite direction relatively to the upper carrier to lower the latter, and for finally moving both carriers jointly in the opposite direction.

1,739,251. SUPPORTING MEANS FOR GYROSCOPIC COMPASSES. CHESTER B. MILLS, Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 13, 1928. Serial No. 602,590. 3 Claims. (Cl. 33-226.)

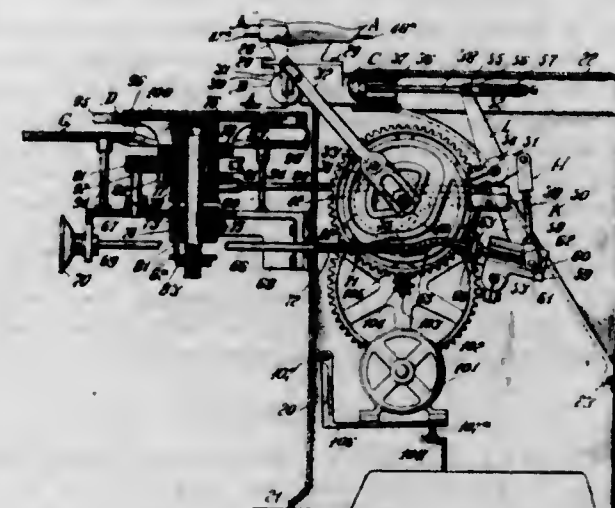
1. In a gyroscopic compass, a follow-up support, a sensitive element, a magnetic support between said support and element having one portion thereof mounted on

said support and the cooperating portion on said element, oil immersed vertical guide bearings between said



elements, the lower of said bearings also constituting an auxiliary thrust bearing for supporting the sensitive element when the magnetic support is not functioning.

1,739,252. FILLING MACHINE. JULIUS J. MOJONNIER and HARLEY R. PHILLIPS, Oak Park, and HENRY J. CLARKE, Chicago, Ill., assignors to Mojonnier Bros. Co., a Corporation of Illinois. Filed July 29, 1927. Serial No. 209,228. 9 Claims. (Cl. 226-107.)



1. A machine of the class described comprising a commodity supply connection, a cylinder, a valve operative in one position to guide the commodity from said supply connection to said cylinder and in a second position to guide the commodity from said cylinder to a delivery point, a piston and piston rod for said cylinder, a reciprocating driving head, means for actuating said valve in timed relation with said driving head, an auxiliary driving member having a lost motion connection with said piston rod, means for varying the extent of the lost motion in said connection, articulated mechanical connections between said driving head and said auxiliary driving member operative to drive the latter from the former, and means for shifting said connections at a joint thereof to change their relative movements and consequently the extent of movement of said auxiliary driving member.

1,739,253. BRAKE-HANGER SUPPORT. WILLIAM O. MOODY, La Grange, and LLOYD J. BROWN, Evanston, Ill., assignors to E. Payson Smith, Springfield, Ill. Filed July 14, 1926. Serial No. 122,302. 9 Claims. (Cl. 188-200.)

1. In a brake hanger support, a truck side frame provided with a projection slotted longitudinally to provide

vertically spaced bifurcations with the lower bifurcation slotted transversely and grooved longitudinally, a keeper

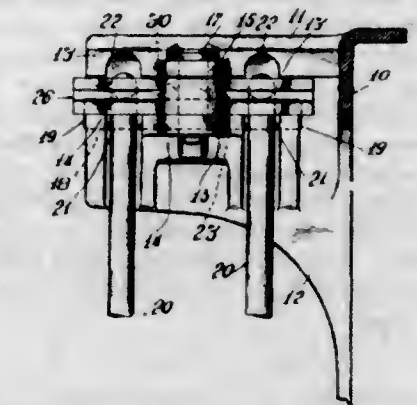
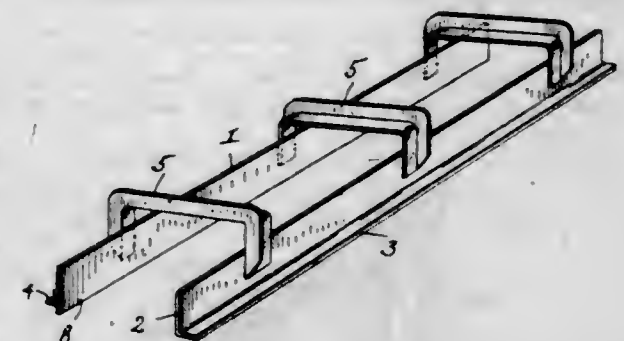


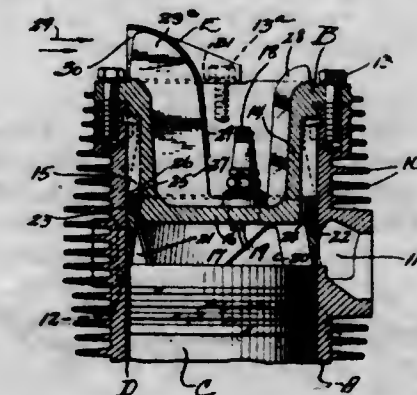
plate adapted to fit intermediate of the bifurcations and having its lower face dished at a point coincident with the longitudinal groove in the lower bifurcation.

1,739,254. FORM FOR CONCRETE ROAD CURBING. JOSEPH H. MOSEL, Lakewood, Ohio, assignor, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio, a Corporation of Ohio. Filed Nov. 14, 1927. Serial No. 233,016. 5 Claims. (Cl. 25-118.)



5. A form for a concrete curbing comprising a longitudinally extending vertical member, means secured to said member intermediate its upper and lower edges extending horizontally outwardly thereof, a second longitudinally extending vertical member having a horizontally extending portion along its bottom edge lying in the same horizontal plane as the means on said first member, and means interconnecting said members to hold the same in parallel relationship, the portion of said first-named member below the horizontal means being adapted to hold the form against transverse displacement.

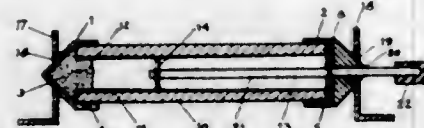
1,739,255. INTERNAL-COMBUSTION ENGINE. ARCHIE MACPHAIL NIVEN, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Mar. 23, 1928. Serial No. 264,265. 13 Claims. (Cl. 123-75.)



1. In a sleeve valve engine of the air cooled type, a cylinder structure having air cooling means, a cylinder

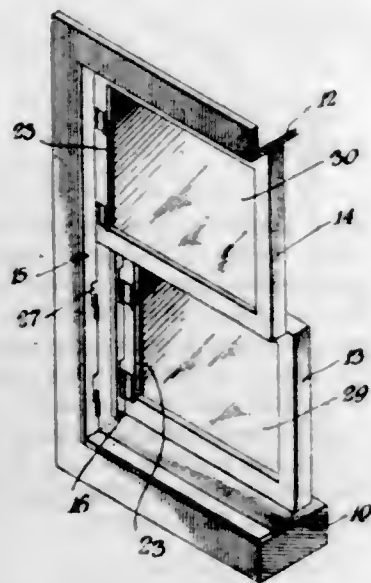
head structure closing the upper end of the cylinder and having a substantially cylindrical portion depending downwardly into the cylinder, said depending portion being spaced within the cylinder to provide an annular sleeve pocket, a sleeve valve within said cylinder, a working piston within the sleeve valve, said sleeve and cylinder having cooperating intake and exhaust ports, the upper end of said sleeve having its inner wall extended inwardly forming an enlarged upper end, a sealing ring carried in the said enlarged end of the sleeve contacting with the cylinder walls, said depending portion of the cylinder head structure being spaced within the said sleeve enlarged end sufficiently to prevent heat transfer from the cylinder head to the sleeve.

1,739,256. ELECTRICAL RESISTANCE AND ART OF FORMING THE SAME. HAROLD PENDER and JOHN H. MUELLER, Philadelphia, Pa. Filed Aug. 22, 1924. Serial No. 733,476. 12 Claims. (Cl. 201-76.)



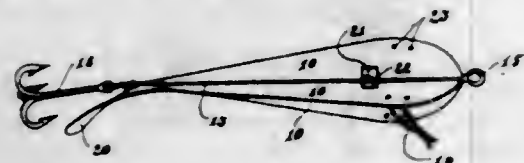
1. The herein described art of forming an electrical resistance which comprises heating a non-conducting tube and passing germanium hydride therethrough.

1,739,257. HINGED WINDOW. LORENZ PESCHKES, Brooklyn, N. Y. Filed Mar. 30, 1929. Serial No. 351,157. 4 Claims. (Cl. 20-46.)



1. In a window, a frame, sashes slidable in said frame, said sashes having recesses therein, hinge pins on said frame, a complementary plate adapted to be rotated into said recesses, means for rotating said complementary plate out of said recesses, sleeves on the free end of said plate, said sleeves being normally adapted to align with said hinge pins, and means connected to each pair of plates for urging said plates into said recesses.

1,739,258. ARTIFICIAL MINNOW. FRANK SPENCER QUIN, Clarkson, Ontario, Canada. Filed May 7, 1928. Serial No. 275,783, and in Canada May 9, 1927. 1 Claim. (Cl. 43-47.)



In an artificial minnow, a wire formed with front and rear eyes, flab hooks secured to said rear eye and a fishing

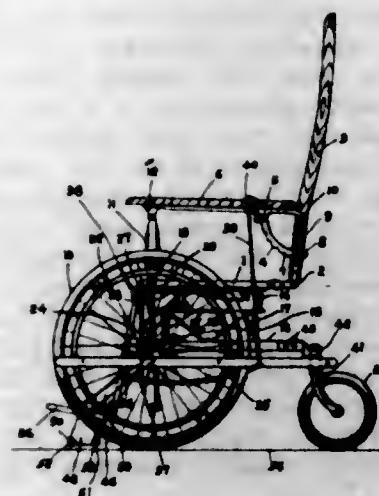
line detachably secured to said front eye, a plurality of vanes radiating out from said wire and terminating with a rear tail member, each of said vanes having a notch extending outwardly from said wire, and a link carried by said wire positioned within said notches and adapted to detachably receive said fishing line.

1,739,259. CIGAR LIGHTER. JOSEPH M. REDINGER, Providence, R. I. Filed Apr. 9, 1928. Serial No. 268,757. 3 Claims. (Cl. 67-7.1.)



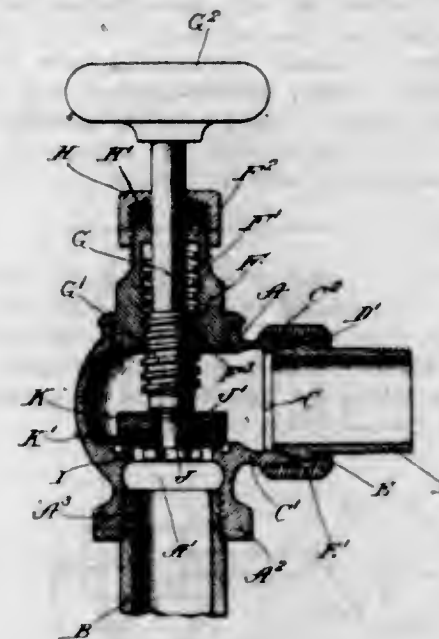
1. In a cigar lighter, a casing, a wick carried by the casing, a spring tensioned flint rod, a tubular member secured to the casing and having a bearing at its upper end, a spring pressed plunger in the tubular member, a spindle having a head which abuts a side of the bearing, a sparking wheel rigidly secured to the spindle, a sleeve mounted on the spindle and abutting the head thereof and disposed in said bearing, a guard on the sleeve surrounding said wheel and abutting the opposite side of the bearing, said sleeve having a flat face to engage the plunger, a snuffer for the wick connected to said sleeve, and a handle extending outwardly from the snuffer.

1,739,260. INVALID CHAIR. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed May 12, 1926. Serial No. 108,499. 9 Claims. (Cl. 155-30.)



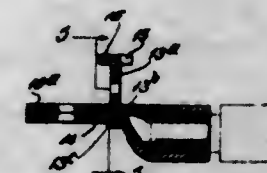
1. In a vehicle of the class described, the combination with a chair and vehicle chassis, of a pair of anti-tilters therefor, one end of each of the said anti-tilters secured to the chair frame and depending downwardly and forwardly therefrom, a pair of pendants pivotally supported each from one of the anti-tilters at its lower end, and a roller supported by each of said pendants in advance of the wheels of the vehicle.

1,739,261. STEAM VALVE. JOHN J. RYAN, JR., Chicago, Ill. Filed Apr. 22, 1925. Serial No. 24,909. 1 Claim. (Cl. 251-46.)



In combination in a valve, a housing member provided with an intake and an outlet opening, a raised annular seat member about one such opening and a valve and valve closing member, a housing and supporting member for such valve closing member, such supporting member provided with a threaded perforation, the threads of such perforation adapted to engage corresponding threads on the valve closing member, such supporting member having about such perforation a raised annular seat, the valve closing member comprising a threaded stem, means for rotating it, such stem carrying adjacent one end a bushing member adapted to provide a supporting and bearing portion for the valve, said valve closing member comprising a generally flat part movable upon such bushing.

1,739,262. WIRE-CONNECTING LUG WITH TEST CONTACT. JOSEPH SACHS, West Hartford, Conn. Filed Aug. 17, 1926. Serial No. 129,765. 3 Claims. (Cl. 173-269.)

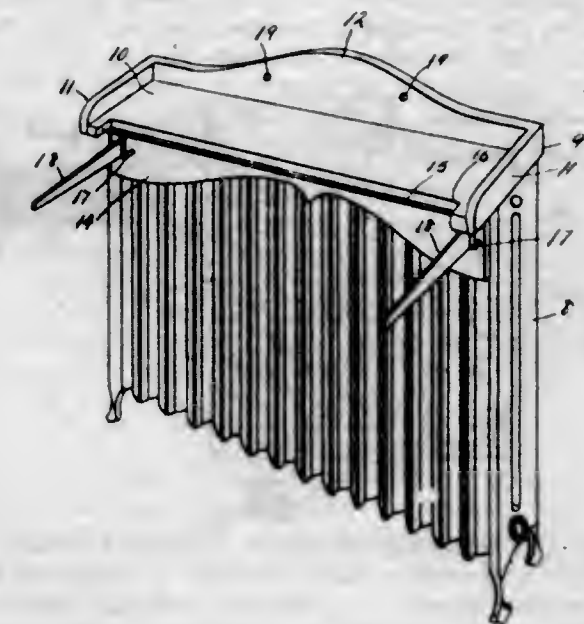


1. An article of manufacture comprising in combination a wire connecting lug having a wire receiving socket portion and an apertured flat portion formed integrally with the socket portion and adapted to be secured to other conducting parts, and a test contact plate carried by and projecting from the said flat portion of the lug immediately adjacent the socket portion, the said plate lying in a plane extending transversely of the longitudinal lines of the lug and having at its outer end integral teeth bent in opposite directions at angles to the main body of the plate.

1,739,263. SHELF FOR HOUSE RADIATORS. GEORGE SAYERS, Drexel Hill, Pa. Filed June 6, 1928. Serial No. 283,209. 1 Claim. (Cl. 211-86.)

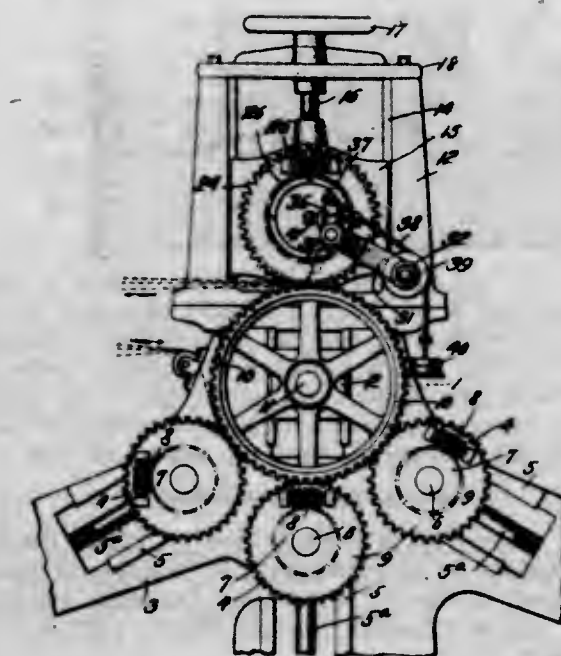
A device of the kind described comprising a base having a portion cut out of one edge, one or more rods supported within said cut out portion, end walls projecting above the base, a rear wall also projecting above the base, a

panel depending from the rear of the base, an apron depending from the forward portion of the base and spaced



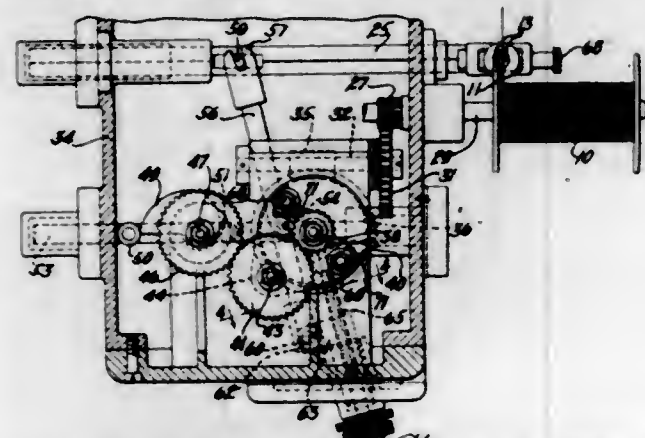
from the panel, said apron and panel coacting with opposite faces of a radiator on which the shelf is mounted, and arms swingingly connected with the apron.

1,739,264. COMBINED COLOR AND FLOCK PRINTING MACHINE. GEORGE SIMPSON, Paterson, N. J. Filed Apr. 24, 1924. Serial No. 708,612. 3 Claims. (Cl. 101-116.)



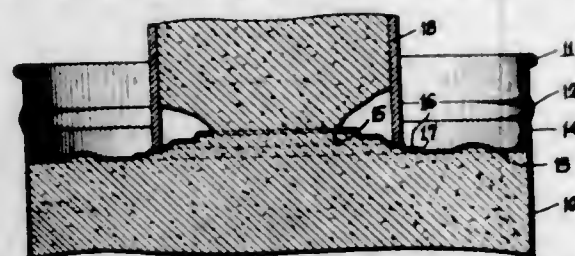
3. A combined color and flock printing machine, comprising an impression cylinder over which the fabric to be printed is passed, a printing roll cooperating therewith to print a color pattern, a stencil roll for implanting a flock printing design in register with the color pattern, gears for rotating the respective printing and stencil rolls, an intermediate gear mounted concentrically of the impression cylinder and intermeshing with said roll gears for rotating the printing and stencil rolls in synchronism, means for maintaining the axis of rotation of the stencil roll in fixed position radially of the impression cylinder during the printing operation and means for adjusting said stencil roll circumferentially to bring the flock printing design into register with the color pattern.

1,739,265. WINDING APPARATUS. LADISLAV STASTNEY, Cleveo, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed June 6, 1922, Serial No. 566,213, Patent No. 1,706,754, dated Mar. 26, 1929. Divided and this application filed Feb. 28, 1927. Serial No. 171,390. 4 Claims. (Cl. 242-25.)



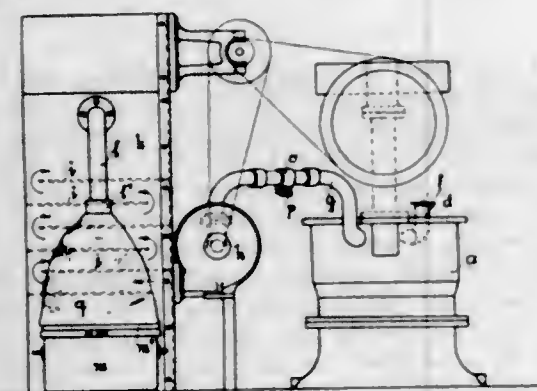
1. In a distributing mechanism for strand working machines, a reciprocable driven member, a distributing element carried thereby, a reciprocable driving member and actuating means therefor, an actuating member pivotally secured intermediate its ends to the driving member, the actuating member being connected with the driven reciprocable member and having a pivotal connection with a support at a position oppositely disposed from the intermediate pivotal connection, and means for varying the position of the support with respect to the actuating member to effect variations in the degree of movement thereof.

1,739,266. CONTAINER. FREDERICK J. STROWBRIDGE, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 10, 1928. Serial No. 245,662. 1 Claim. (Cl. 221-47.5.)



A lubricant can adapted for dispensing grease to grease guns comprising a can body, a plunger arranged to have a working fit within the can and formed with a centrally disposed opening and a plurality of annular steps disposed between the opening and the edge of the plunger adapted to thereby cooperate with guns of various diameters for the discharge of grease from the can to the gun.

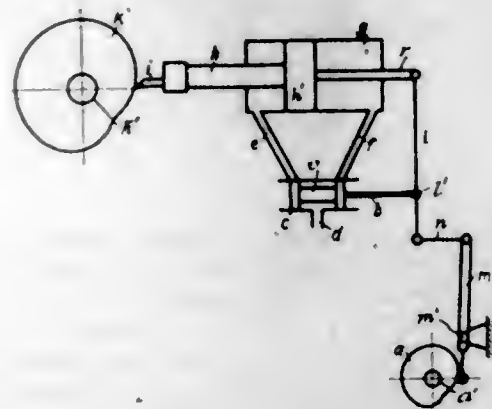
1,739,267. APPARATUS FOR COLLECTING BRONZE DUST FROM STAMPING MILLS. FRIEDRICH SPORER, Nuremberg, Germany. Filed Jan. 28, 1926. Serial No. 84,417, and in Germany Apr. 20, 1925. 1 Claim. (Cl. 183-34.)



A dust collector for bronze stamping mills including a collecting box for the bronze dust, a collector pot for the

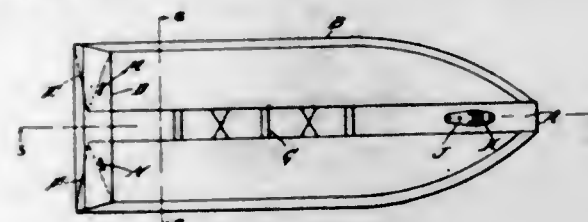
finest bronze dust freely arranged behind said collecting box, a hood-shaped filter adapted to cover air tight said collector pot and made of a material permeable to the air but impervious to the finest particles of bronze dust, a conduit connecting said hood-shaped filter with the said collecting box and adapted to freely hold said hood shaped filter, a blower discharging into said collecting box, a suction conduit for said blower, and an adjustable atmospheric vent on said suction conduit adapted to regulate the air stream and the amount of bronze dust to be withdrawn by said air stream.

1,739,268. DEVICE FOR COPYING ON MACHINE TOOLS. FRIEDRICH STEIN, Heldenheim-on-the-Brenz, Germany, assignor to J. M. Volth, Heldenheim-on-the-Brenz, Germany, a Corporation of Germany. Filed Jan. 27, 1928. Serial No. 249,867, and in Germany Jan. 29, 1927. 6 Claims. (Cl. 82-14.)



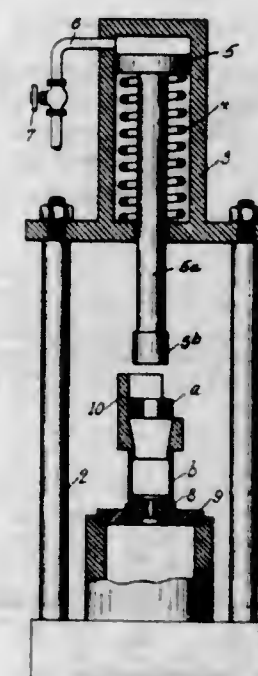
1. A reproducing device, comprising a movable pattern and a movable work piece whereon the pattern is to be reproduced, and means under the command of the pattern for operating upon the work piece, comprising a tool, a fluid motor commanding the tool, and valve means controlling the operation of the motor connected to be controlled by the movement of the pattern.

1,739,269. FOLDING VEHICLE. NICHOLAS STRAUSSLER, London, England. Filed Mar. 28, 1929. Serial No. 350,518, and in Great Britain Feb. 13, 1928. 1 Claim. (Cl. 9-2.)



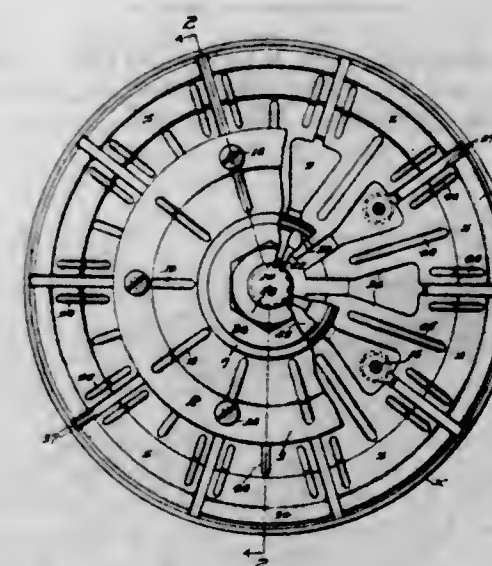
In a folding vehicle, a floor having one end curved inwardly at both sides towards the major axial line of said floor, the other end of said floor being straight and at right angles to the said major axial line, side walls continuously jointed to the sides of the said floor and following its contour throughout its length, said side walls being shorter at their upper edge than at their lower edges and being adapted to be turned down over the floor and laid flat thereon with their normally upper edges towards the major axial line of the floor, an undivided rear wall continuously jointed at its lower edge to the straight end of the floor and adapted to be turned down over the outsides of the side walls when the latter are folded, and two triangular portions each jointed at one side to one side of the rear wall, said portions being each jointed at their forwardly inclined side to an inclined edge of one of the side walls, whereby in collapsing the vehicle said triangular portions are caused to lie between the rear wall and the side walls.

1,739,270. PROCESS AND MACHINE FOR MANUFACTURING OSCILLATING JOINTS AND SUPPORTS. LÉON THIRY, Huy, Belgium. Filed July 17, 1928. Serial No. 293,373, and in France Sept. 9, 1927. 3 Claims. (Cl. 29-84.)



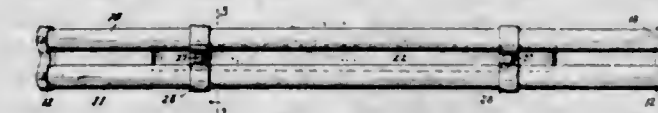
3. A machine for the manufacture of flexible joints comprising two coaxial sleeves and an intermediate elastic ring, which comprises a compressed air press of the quick acting type, the piston of said press having a cylindrical boss and an annular groove for receiving the internal sleeve, and an auxiliary tool for guiding the movement of said internal sleeve into the elastic ring during the insertion.

1,739,271. EXPANSIBLE WHEEL. FRANK L. TOWNSEND, Haddonfield, N. J., assignor to American Expansion Wheel Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 1, 1928. Serial No. 258,164. 6 Claims. (Cl. 51-190.)



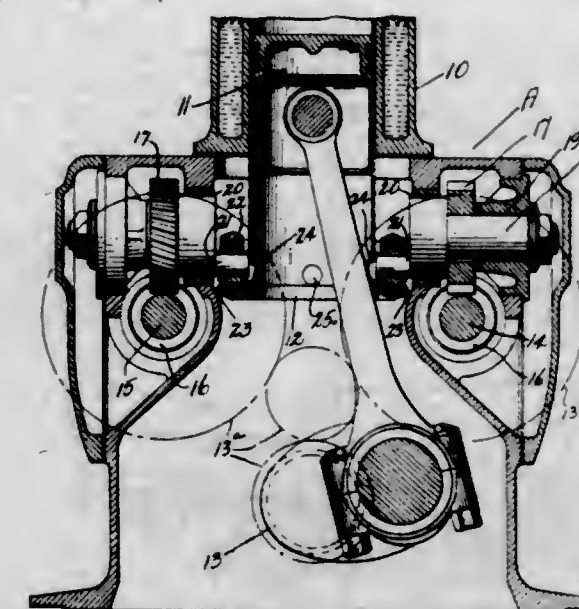
1. An expansible wheel comprising a pair of opposed spaced disks, means operative to prevent axial separation of the disks, an expander seated in one of the disks and longitudinally slidable with respect thereto, and a plurality of radially disposed segments each having a head portion disposed outside the peripheries of the disks and an extension disposed between the disks and adapted to bear on the expander.

1,739,272. BUMPER. GEORGE W. YEAL, Cleveland Heights, Ohio, assignor to the Eaton Axle-Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 16, 1927. Serial No. 175,669. 7 Claims. (Cl. 293-55.)



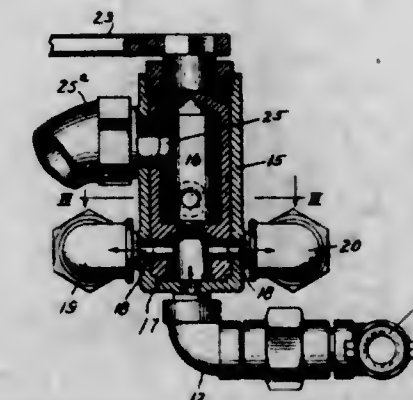
1. In a bumper for automotive vehicles, an impact receiving bar of arc-shaped cross-section with its convex side presented toward the impact, means for supporting said bar comprising an element extending transversely of the bar and having a hook on one end for engaging one edge of the bar, and means for applying pressure to the opposite edge of the bar causing it to engage firmly in said hook.

1,739,273. SLEEVE-VALVE ENGINE. WILLIAM WADDELL, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Aug. 6, 1927. Serial No. 211,015. 15 Claims. (Cl. 123-81.)



1. An internal combustion engine comprising in combination, a cylinder, a piston operable in said cylinder, a sleeve valve between the cylinder and piston having a combined reciprocating and oscillating movement with respect to the sleeve axis, and a plurality of driving means engageable with the sleeve at spaced points for imparting the said movement to the sleeve.

1,739,274. FIRE-EXTINGUISHER UNIT. WILLIS D. WITTER, Utica, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation, a Corporation of New York. Filed Aug. 3, 1925. Serial No. 47,701. 1 Claim. (Cl. 169-14.)



The combination with a fluid pressure container, two containers for component foam-making solutions and a

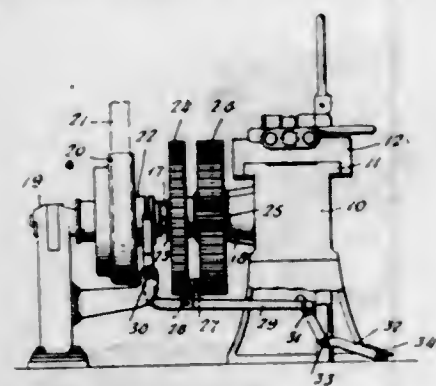
discharge hose, of a unitary control valve structure comprising a hollow valve body interiorly divided into two compartments, a housing for said valve body, pipe connections from said pressure container to said housing and an inlet therethrough to one of said compartments, outlets therefrom connected to each of said solution containers, pipe connections from each of the latter to the housing and inlets therethrough to the other of said compartments, an outlet from the latter to said discharge hose, said second mentioned compartment being of greater dimension than the inlets from the solution containers and the outlet to the discharge hose, thereby constituting said compartment a mixing chamber for the foam-making solutions, and an operating handle connected to said valve body for moving the same in its housing thereby simultaneously to control the flow paths from the fluid pressure container to the solution containers, from the latter to the mixing chamber and from said chamber to the discharge hose.

1,739,275. DRUMSTICK. ABRAHAM M. ZIPPERSTEIN, Chicago, Ill., assignor of one-third to Israel I. Zipperstein. Filed Aug. 8, 1924. Serial No. 730,887. 5 Claims. (Cl. 84-422.)



1. In a drum stick, an end of reduced diameter formed integral therewith, a metallic end piece secured over said reduced end, and a hollow extension extending beyond the end of the drum stick.

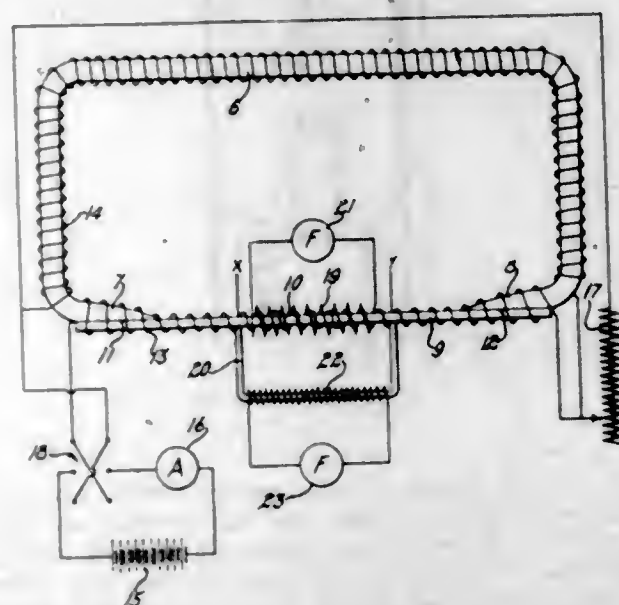
1,739,276. MACHINE FOR UPSETTING AND LIKE OPERATIONS. KARL AUERBACH, Saalfeld-on-the-Saale, Germany, assignor to Herman F. Hoevel, New York, N. Y. Filed July 14, 1926, Serial No. 122,347, and in Germany July 17, 1925. 3 Claims. (Cl. 192-139.)



1. In a machine for upsetting and like operations, a rotary member, blank-working mechanism operated by said member and including an abutment and a plunger mov-

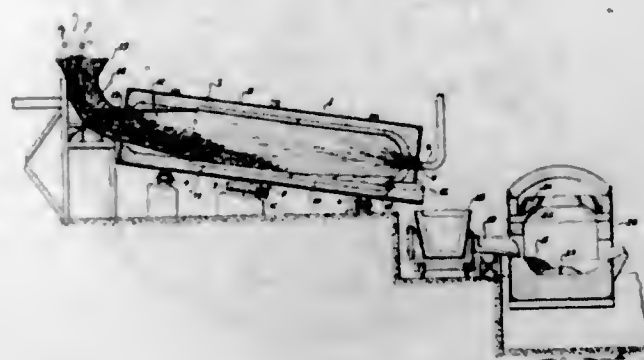
able relatively thereto, a device for stopping the rotation of said member, and an actuator for said stop device, said actuator being held to rotate with said rotary member and adjustable to different positions circumferentially of said rotary member to vary the stoppage of said plunger relatively to said abutment.

1,739,277. APPARATUS FOR MEASURING THE PERMEABILITY OF MAGNETIC MATERIALS. BETHEL JAY BARRITT, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 1, 1926. Serial No. 119,928. 8 Claims. (Cl. 175-183.)



1. In an apparatus for determining the permeability of magnetic materials, means extending the entire length of a specimen to be tested for placing the specimen in a magnetic circuit, means for developing a magneto-motive force through the circuit, means for balancing the magneto-motive force across an element of the test specimen with the magnetic potential drop across the element, means for determining the magnetomotive force across the element, and means for determining the magnetic induction in the element.

1,739,278. METHOD OF MAKING STEEL. THADDEUS F. BAILY, Alliance, Ohio. Filed Mar. 11, 1926. Serial No. 93,894. 5 Claims. (Cl. 75-22.5.)



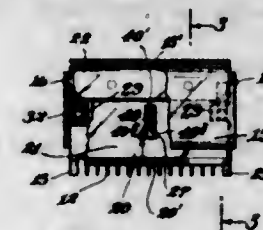
1. The method in the melting of scrap and pig iron and the like which consists in substantially continuously rotating the charge of material and simultaneously feeding the same downward in an inclined direction, introducing fuel for combustion and sufficient air to maintain an oxidizing flame at the lower end of the charge, introducing material for the production of an oxidizing slag at the upper end of the charge, and then maintaining the charge in molten condition under a reducing atmosphere.

1,739,279. TURN SHOE AND METHOD OF FIXING SHANK STIFFENER THEREON. REINHARD B. BARTLE, Melrose, Mass. Filed Mar. 14, 1929. Serial No. 346,990. 4 Claims. (Cl. 36-76.)



1. A turn shoe having a shank piece, a shank stiffener secured to the under face of said shank piece and overlying the sole of the shoe, and a fastener extending through said sole and stiffener and headed over on the upper face of said stiffener beneath said shank piece.

1,739,280. RAZOR AND BLADE THEREFOR. MARCUS B. BEHRMAN, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Feb. 2, 1929. Serial No. 336,991. 12 Claims. (Cl. 30-12.)



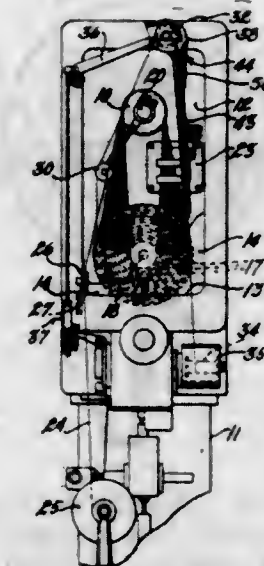
6. A safety razor blade having a shaving edge provided with stop engageable corner portions and cut-away portions adjacent opposite side edges which are spaced in a rearward direction from the shaving edge and present abutment shoulders between said portions and said shaving edge, said blade also having an opening between said cut-away portions which is elongated in a direction transverse to said shaving edge so as to extend closer to the shaving edge than said abutment shoulders, said cutaway portions and said opening being located in the central zone of the blade.

1,739,281. METHOD AND MEANS FOR BENDING WOOD. WILLIAM H. BRAGMANN, Piqua, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 27, 1927. Serial No. 208,710. 6 Claims. (Cl. 144-261.)



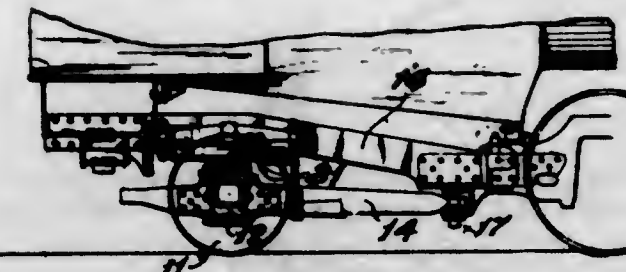
1. A device for bending wood comprising a fixed member adapted to divide the wood into two portions, the said member being outwardly flared and then bent inwardly until the sides are substantially straight and parallel, reinforcing means for the said member, a plurality of members pivotally mounted on the said fixed member, the shape of the pivoted members conforming to that of the said fixed member, thereby defining a chamber between each of the pivoted members and the fixed member, the said chamber having the same configuration as the members and being adapted to receive a piece of wood, the shape of the members being such as to assure a firm support for the wood at the areas of bending, and to relieve the strains within the wood, thereby preventing breakage of the said wood.

1,739,282. MATERIAL-WORKING APPARATUS. HARRY BLOUNT, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1926. Serial No. 151,642. 13 Claims. (Cl. 205-22.)



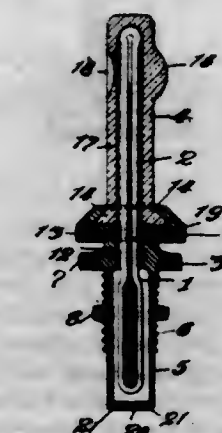
1. A device for guarding traveling material upon a material working apparatus having a material guiding element, comprising means adjacent the element for guarding the material for a predetermined distance therefrom, said means mounted to freely move with the moving material in a plurality of planes.

1,739,283. TRUCK-CENTERING DEVICE. JAMES G. BLUNT, Schenectady, N. Y. Filed Sept. 17, 1926. Serial No. 136,058. 7 Claims. (Cl. 105-174.)



1. The combination of a locomotive frame; and a spring seat yoke, rigidly secured thereto.

1,739,284. HOUSING FOR MOTOR-HEAT INDICATORS. HARRISON H. BOYCE, Jericho, N. Y. Filed May 25, 1927. Serial No. 184,008. 15 Claims. (Cl. 116-114.)



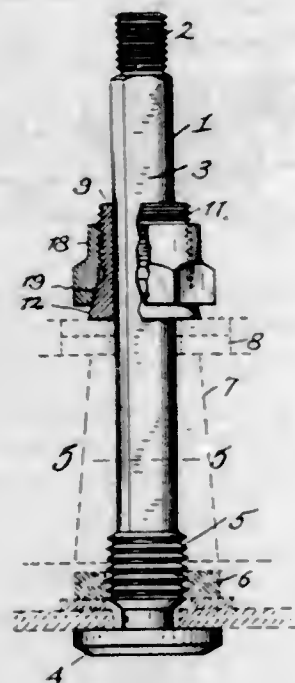
1. In a device for indicating the heat condition within an automotive radiator, a heat responsive device having an indicating element, a base, and a transparent housing for said indicating element secured to said base by a dove-tail joint, the base and the housing entirely enclosing said indicating element.

1,739,285. MULTIPLE-INDICATING TEMPERATURE-RESPONSIVE DEVICE. HARRISON H. BORCK, Jericho, N. Y. Filed May 27, 1927. Serial No. 194,573. 13 Claims. (Cl. 116-114.)



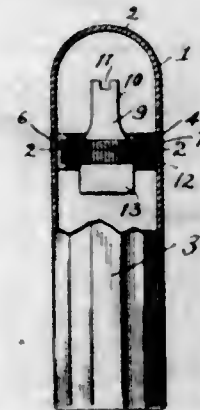
1. In a device for indicating the heat condition within an automotive radiator, the combination of a heat responsive means, a plurality of visual indicating devices including an indicating pointer and a semaphore visible from the same side of the device, and means comprising connections between the pointer and the semaphore and the heat responsive means for enabling said heat responsive means to move the semaphore and pointer relative to each other and visible from the same side of the device.

1,739,286. QUICK DETACHABLE NUT. ADELBERT E. BRONSON, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 4, 1923. Serial No. 643,219. 1 Claim. (Cl. 287-52.06.)



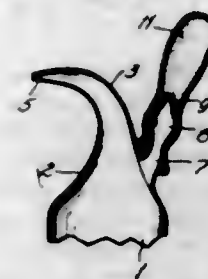
A quick detachable nut comprising a tubular member having slots formed in the lower portion thereof, thereby dividing the lower portion of the tubular member into distinct sections, one pair of oppositely disposed sections being provided with an inner rounding wall and the other pair of oppositely disposed sections having a flat inner wall, the outer surfaces of all of said sections being slanting, the outer surfaces of a portion of said tubular member being provided with threads, and a nut member mounted upon the threads just mentioned, said nut being formed with a slanting surface at one end thereof and adapted to engage with the slanting outer surface of the said sections whereby they may be moved inwardly as the nut is advanced upon the threaded portion of the tubular member.

1,739,287. QUICK-DETACHABLE DUST CAP. ADELBERT E. BRONSON, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 6, 1925. Serial No. 28,334. 4 Claims. (Cl. 152-12.)



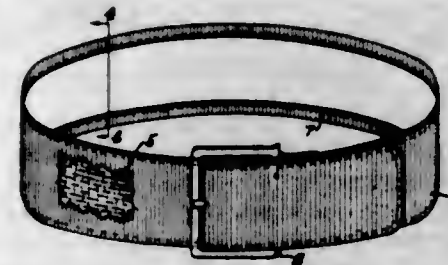
1. A dust cap construction comprising a shell open at one end, a valve cap within said shell, expandible means cooperatively associated with the valve cap and interior wall of the shell, said expandible means and said valve cap having cooperating surface contours whereby relative rotation of the expandible means and the valve cap causes expansion of said means to frictionally lock the same to the shell.

1,739,288. AMPUL. ARTHUR A. BROWN, St. Louis, Mo. Filed Aug. 30, 1928. Serial No. 303,072. 4 Claims. (Cl. 215-58.)



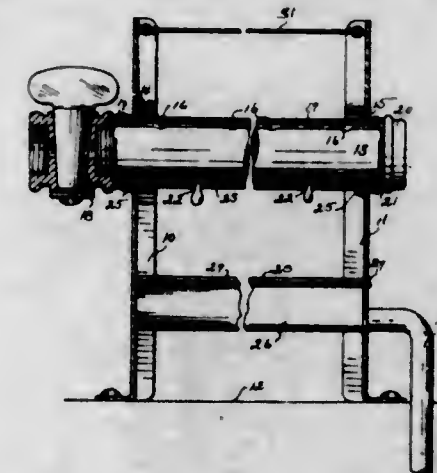
1. A glass ampul having at its top an elongated tubular projection with the end portion of its bore of capillary size and adapted to constitute a dropper nozzle, and having at its upper portion a second tubular projection adapted for engagement by a rubber bulb, said second projection having no outer opening of capillary size inside of said bulb.

1,739,289. LIGHT-REFLECTING SIGNAL DEVICE. ESTHER M. CARTER, Newtonville, Mass. Filed Apr. 3, 1928. Serial No. 267,063. 3 Claims. (Cl. 88-1.)



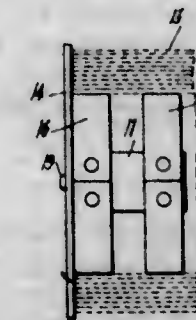
2. A device for affording warning to a vehicle-driver of the presence of a pedestrian, bicyclist or other person in or near the path of the vehicle, said means comprising an annular, flexible light-reflecting element, a covering for said annular element including a coextensive flexible, transparent, colored member, and means for securing together the opposite ends of said device to retain it in position about the wearer's person.

1,739,290. POULTRY DRINKING FOUNTAIN. JOHN LOUCIEN CHESNUTT, Long Beach, Calif. Filed Feb. 13, 1928. Serial No. 253,869. 10 Claims. (Cl. 119-74.)



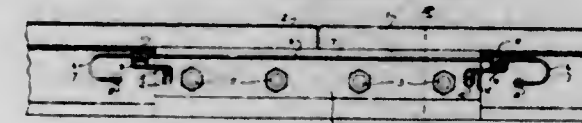
1. A sanitary poultry fountain comprising a support, a tube mounted in said support, said tube being closed at one end and having its opposite end communicating with a source of water supply, said tube being formed with a series of spaced apertures for the escape of water in drops, a strip of mesh wire in said tube overlying said apertures, and a tubular member extending lengthwise within said tube in contact with said strip of wire mesh, said tubular member being formed with restricted means for the escape of water to the interior of said tube.

1,739,291. END CAP FOR TUBULAR PACKAGES. BENJAMIN CUSHING, Norwood, Mass. Filed May 10, 1928. Serial No. 276,572. 3 Claims. (Cl. 206-59.)



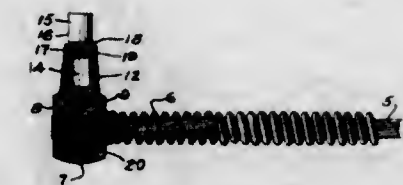
1. A protective end cap comprising a head formed to cover an end of a tubular package, and a tubular metallic plug fixed to the head and adapted to enter and frictionally engage an end portion of the internal surface of the package, the plug being composed of a plurality of metal rings and metal holding members fixed within the rings and spacing the same apart, each ring having angular edges adapted to indent the said internal surface, the holding member having attaching means engaged with the head.

1,739,292. RAIL BOND. EDWARD M. DEEMS, Forest Hills, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a Corporation of New York. Filed July 1, 1925. Serial No. 40,730. 1 Claim. (Cl. 173-283.)



The combination with a splice bar for connecting the ends of adjacent rails having an aperture adjacent each end and a bond wire; of means for resiliently supporting said bond wire in spaced relation to the splice bar and electrically connecting the bond wire to the splice bar, comprising a heavy wire coiled around the bond wire adjacent each end thereof and having its free ends wedged in said aperture.

1,739,293. RAIL BOND. EDWARD M. DEEMS, Forest Hills, and WILLIAM H. B. LAVARACK, Pine Bush, N. Y., assignors to Railroad Accessories Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 27, 1926. Serial No. 91,022. 7 Claims. (Cl. 173-280.)



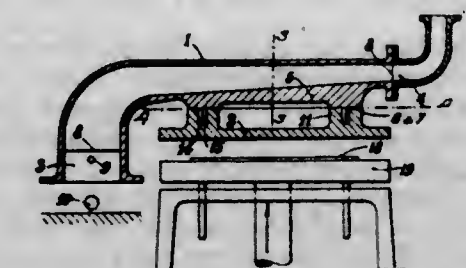
1. In a rail bond for electrically connecting adjacent rail members, formed each with a cavity in combination: a plug for insertion in a cavity of one rail member; a plug for insertion in a cavity of another adjacent rail member, each of said plugs formed with a passage therein and a cavity of larger diameter at an entrance to the passage; a conductor having one end portion positioned in the passage of one plug and the other end portion in the passage of the other plug and securely soldered to each plug; a helically wound electrically conducting member surrounding the conductor and having one end seated in the cavity of one plug and the other end seated in the cavity of the other plug.

1,739,294. POLISHING DISK. GEORGES PAUL DESPRET, Paris, France, assignor to Compagnies Réunies des Glaces & Verres Speciaux du Nord de la France, Boussais S/Sambre, France. Filed July 26, 1927. Serial No. 208,565, and in France July 12, 1927. 1 Claim. (Cl. 51-197.)



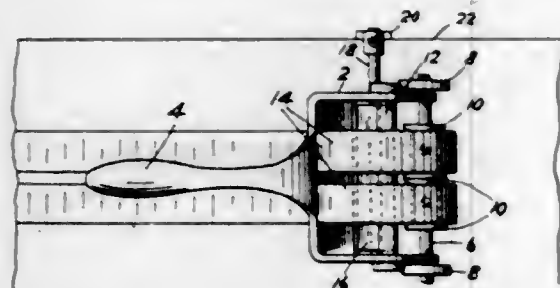
Polishing disk comprising a metal body having its edges turned up obliquely along its whole periphery, a felt sheet merely applied upon said body and bolts for securing the edges of said felt sheet to said edges of the body along the whole periphery of this latter.

1,739,295. TEMPERATURE REGULATION. PIERRE DIEBOLD, Nancy, France. Filed June 18, 1927. Serial No. 199,853, and in France Dec. 16, 1926. 2 Claims. (Cl. 236-1.)



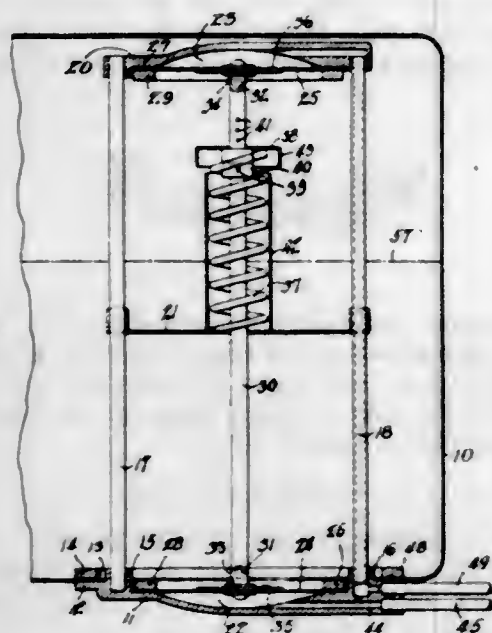
1. In a device for heating by conductivity, comprising a heating member forming an accumulator, and a heat receiver contacting therewith, two grooves milled in the surface of the heat receiver contacting with the accumulator, and a thermostatic device supported by the heat receiver, consisting of two pairs of expansion bars, one pair in each groove, each bar bearing at one end against one end of the groove, and an elastic metal ring in the free space left between the end of the bar and the end of the groove, in contact therewith as well as with the bearing surface of the heat accumulator.

1,739,296. STRIPE-PAINTING DEVICE. ELEUTHERI PAUL DU PONT, Montchanin, Del. Filed Feb. 4, 1928. Serial No. 251,823. 4 Claims. (Cl. 216-20.)



1. A tool for laying masking tape comprising a body, means for mounting a plurality of rolls of tape on said body, a soft roller arranged to press the tapes on a surface, adjustable guiding rollers arranged to lead the tapes to the soft roller, and an adjustable guide engageable with a guiding edge to define the path of movement of the tool.

1,739,297. DASHBOARD LIQUID-LEVEL INDICATOR. THOMAS M. EYNON, Philadelphia, Pa. Filed Mar. 31, 1921. Serial No. 457,278. 2 Claims. (Cl. 73-54.)

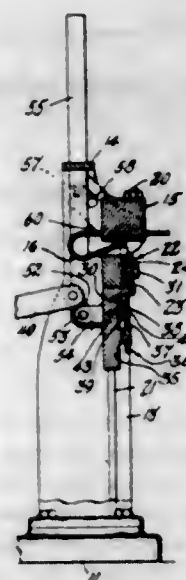


1. In an indicator for gasoline depth, a tank, a pair of upper and lower balanced diaphragms therein, one being in the bottom of the tank, walls about each providing a space adjacent thereto free from communication with the tank, support for the upper diaphragm, means for mechanically connecting the diaphragms causing them to move in unison, a counter-balance for the weight of the diaphragms and for the connecting means, a U tube indicator having an indicating liquid therein and fluid connections from one side of the U-tube to the space adjacent the upper diaphragm and from the other side of the U tube to the space adjacent the lower diaphragm.

1,739,298. METHOD OF AND APPARATUS FOR TESTING FLEXIBLE STRANDS. BEN KING FORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 12, 1925. Serial No. 75,018. 9 Claims. (Cl. 265-13.)

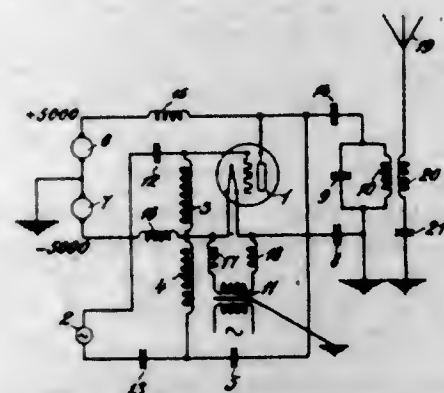
1. A method of testing a flexible strand, which consists in forming an untensioned bend in a portion of the strand,

subjecting a part of the bent portion to a predetermined frictional pressure and then straightening said bent portion.



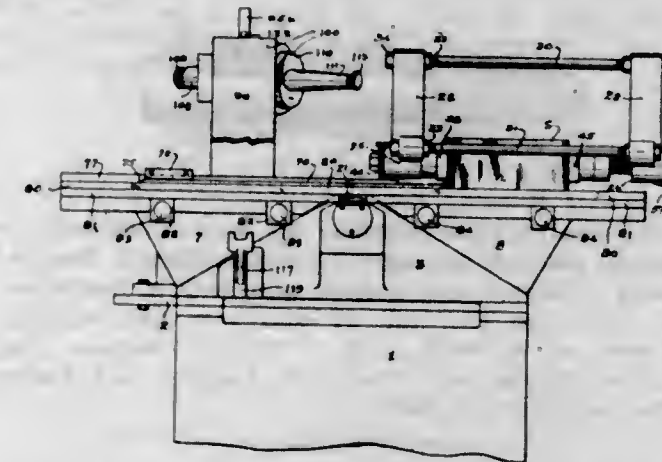
9. In an apparatus for testing a flexible electrical conductor terminating in a plug for engagement with a jack, a frame, individual means for holding the plug and the jack, a member rotatably supported by the frame for clamping the conductor at a point removed from the plug, common means for moving the jack to frictionally engage the plug and for moving the plug and jack to form a definite loop in the conductor, and means for rotating the clamping member to cause a portion of the loop adjacent to the plug to frictionally engage said clamping member.

1,739,299. HIGH-FREQUENCY OSCILLATOR. FELIX GERTH, Berlin Tempelhof, and HANS SCHUMACHER, Berlin-Lichterfelde, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed Mar. 14, 1928. Serial No. 261,489. and in Germany Mar. 18, 1927. 8 Claims. (Cl. 250-36.)



1. In an electron tube system for the generation of electrical oscillations, the combination of an electron tube having grid and plate electrodes and a heated cathode, an oscillation circuit coupled with an antenna, means to modulate the produced high frequency oscillations, and a constant high potential supply for the plate electrode connected to ground at a point between plus and minus potential.

1,739,300. CARD-DECKLING MACHINE. WILLIAM H. GIBSON, Cincinnati, Ohio, assignor to Gibson Art Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 19, 1928. Serial No. 320,361. 18 Claims. (Cl. 92-68.)



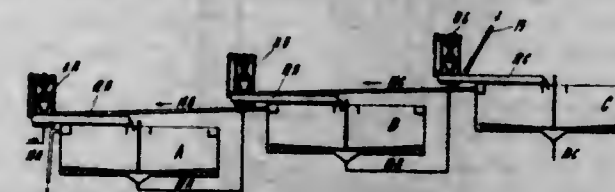
1. The method of treating sheet material to obtain a deckle edge effect, comprising stacking the sheets, compressing the stack, and moving the stack, in a direction normal to the plane of a sheet in the stack, relative to and in intermittent contact with a rapidly revolving undulating cutting edge.

1,739,301. HAIR-ENDS WAVER. ABRAHAM GOODMAN, New York, and JACOB GOODMAN, Brooklyn, N. Y. Filed Apr. 26, 1928. Serial No. 272,890. 3 Claims. (Cl. 132-41.)



3. A hair waver of the class described comprising two cooperative pivoted elements between which the ends of the hair are adapted to be clamped and on which the hair is adapted to be wound, one of said elements having a substantially circular cross section throughout the major portion of its length and the other of said elements having a curved cross section so as to closely embrace the first element throughout the major portions of its length in the closed position of said elements, a loop of wire between which said elements are disposed for the major portion of their length, said loop of wire having internal ends forming a pivot for said elements and sides extending lengthwise and spaced from said elements and outwardly bowed therefrom and an end adapted to resiliently and detachably interlock with the end of the element of circular cross-section in their locked position.

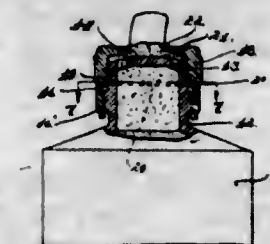
1,739,302. FEED REPULPER FOR SEDIMENTATION APPARATUS. JAMES GREENICH, Joliet, Ill., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed July 21, 1927. Serial No. 207,553. 14 Claims. (Cl. 210-55.)



1. Continuous sedimentation apparatus comprising in combination a settling tank, means for continuously withdrawing supernatant liquid therefrom, a feed channel dis-

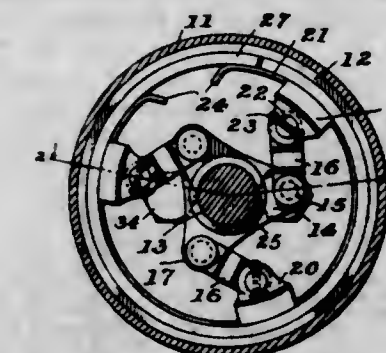
charging into the tank at a point spaced from the zone of liquid withdrawal, means for feeding finely divided solids and liquid into the channel, and positively actuated mechanical mixing means in the channel for maintaining the solids in suspension during flow along said channel.

1,739,303. TUBE CLOSURE. GEORGE HAWKINS, Detroit, Mich. Filed Mar. 3, 1927. Serial No. 172,276. 2 Claims. (Cl. 221-60.)



1. A tube closure of the class described adapted for use with a tube having a neck formed thereon comprising: a cap threadable on said neck, the end of said neck having an outlet opening formed therein and the top of said cap having an outlet opening formed therein, said openings being non-registering, the end of said neck being tapered for engaging in a recessed surface on the inner side of said cap tapering toward the outlet opening in said cap, the outer surface of the top of said cap being inclined inwardly toward the opening formed therein.

1,739,304. SHOCK ABSORBER. JESSE G. HAWLEY, Painted Post, N. Y. Filed Apr. 9, 1927. Serial No. 182,422. 12 Claims. (Cl. 188-130.)



1. In a shock absorber, the combination of a full floating friction member, means for expanding it into braking position, and means for positively withdrawing said last-mentioned means.

1,739,305. PRODUCTION OF ABSORBENT MATERIAL. THOMAS PERCY HILDITCH, Grappenhall, and HAROLD JOSEPH WHEATON, Lower Walton, near Warrington, England, assignors, by mesne assignments, to Harry N. Holmes, Oberlin, Ohio. Filed Aug. 13, 1928. Serial No. 657,208, and in Great Britain Aug. 14, 1922. 6 Claims. (Cl. 23-182.)

6. The process of increasing the porosity of inorganic gels, comprising precipitating a gel containing some material capable of conversion to soluble form by a given reagent and other material incapable of such conversion by the same reagent, treating said gel in a manner to produce the usual ultra-microscopic pores and to set and preserve the structure without subsequent material shrinkage of the pore walls, subsequently treating such gel with said reagent to thereby convert the first named material to water soluble form, and washing out the solution thereof, to thereby produce additional pores and increase the total porosity.

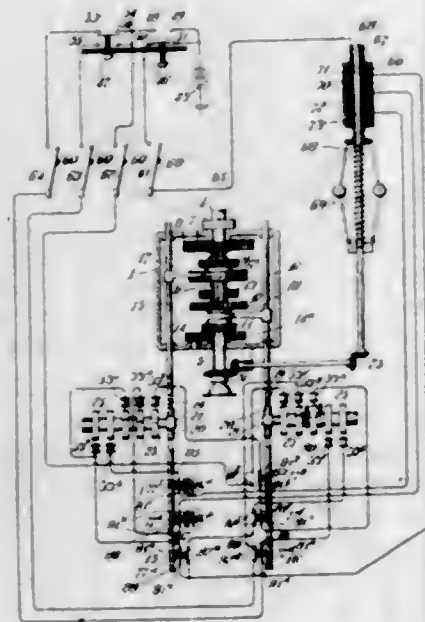
1,739,306. IMPREGNATION OF POROUS GELS WITH METALS OR OTHER INSOLUBLE MATERIAL. HARRY N. HOLMES, Oberlin, Ohio. Filed Aug. 13, 1927. Serial No. 212,828. 3 Claims. (Cl. 23-233.)

1. The method of impregnating a dry rigid-walled porous gel containing microscopic and ultra-microscopic pores with catalytic material, consisting in causing diffusion through substantially all of the pores of the rigid gel of a mixture of solutions capable of reacting to form catalytic material but incapable of changing or attacking the gel structure and at a temperature at which reaction between them is not appreciable, and then subjecting the gel with its pores substantially filled with said mixture to a temperature at which appreciable reaction occurs, thereby producing upon the unchanged walls of substantially all of the pores a deposit of the desired catalytic material.

1,739,307. IMPREGNATION OF POROUS GELS WITH A SOLID MATERIAL. HARRY N. HOLMES, Oberlin, Ohio. Filed Aug. 13, 1927. Serial No. 212,829. 5 Claims. (Cl. 23-233.)

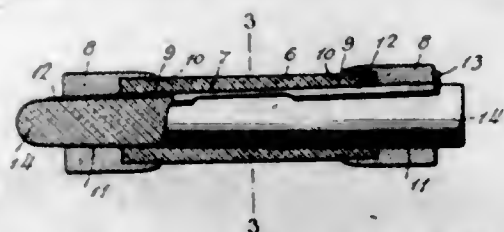
1. The method of impregnating a dry rigid-walled porous gel containing microscopic and ultra-microscopic pores with catalytic material, consisting in causing two substances which under certain conditions react upon each other to form catalytic material but which under other conditions do not materially react with each other to become uniformly distributed or diffused through the pores under said other conditions, and then with said substances in situ subjecting the porous solid to said first named condition under which reaction between said substances will occur, thereby depositing solid catalytic material in substantially all of the pores of the porous gel.

1,739,308. CHANGE-SPEED-GEAR TRANSMISSION. HARRY L. HOY, Chicago, Ill. Filed Mar. 16, 1927. Serial No. 175,816. 11 Claims. (Cl. 74-58.)



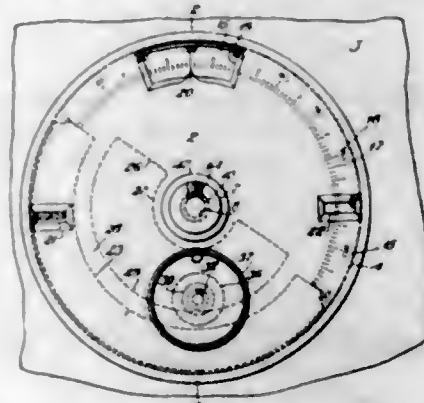
1. In a change speed gear transmission of the type in which two shift rods are individually associated with sets of shiftable gears, a gear sector pertaining to each shift rod and in permanent engagement with the same, a carrier for each gear sector, a plurality of cam discs supported by each of said carriers, an operator controlled element, means actuated by said operator controlled element for imparting a rotary movement to said carrier under coaction with said cam discs, and speed controlled means for determining the cam disc to be actuated.

1,739,309. ELECTRIC FUSE. WILLIAM H. HUMPHREYS, Yonkers, and WILLIAM J. POLLOCK, Bronx, N. Y. Filed Feb. 28, 1928. Serial No. 257,598. 5 Claims. (Cl. 200-131.)



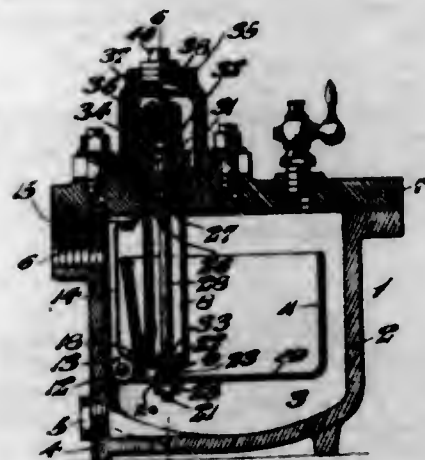
1. An electric fuse including an open ended body of insulating material having a bore therethrough, terminal members carried by the ends of said body, a fusible element contacting the wall of said bore and engaging said terminal members, and a tapered insulated plug extending through said bore and wedging said fusible element against said wall.

1,739,310. VERNIER RADIO DIAL. BROE J. JACOBSON and LAURENCE C. MARTIN, Providence, R. I., assignors to Martin-Copeland Company, a trusteeship consisting of Edgar W. Martin, Laurence C. Martin, and George W. Bleeker, trustees, Providence, R. I. Filed Mar. 5, 1925. Serial No. 13,308. 2 Claims. (Cl. 74-7.)



1. In a vernier dial, the combination of a relatively fixed plate, a thin dial rotatable at the rear of said plate and cut away at one side of its center to form a sector-like rim disposed concentric with its axis of rotation, means whereby said dial is adapted to be secured to the spindle of a radio instrument, a bearing on the plate, an operating-shaft rotatable in said bearing, spaced disks rotatable from the shaft and arranged to engage on opposite sides of the said rim of the dial, and resilient means for holding said disks in frictional contact with the rim whereby rotation of the shaft will turn the dial.

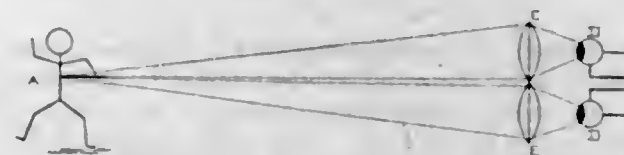
1,739,311. STEAM TRAP. FREDERICK L. JAHN, Stone-hurst, Pa., assignor to Watson & McDaniel Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 13, 1929. Serial No. 339,510. 3 Claims. (Cl. 137-103.)



1. In a steam trap, a cover therefor having a pendant outlet tube, longitudinally extending baffles on said tube,

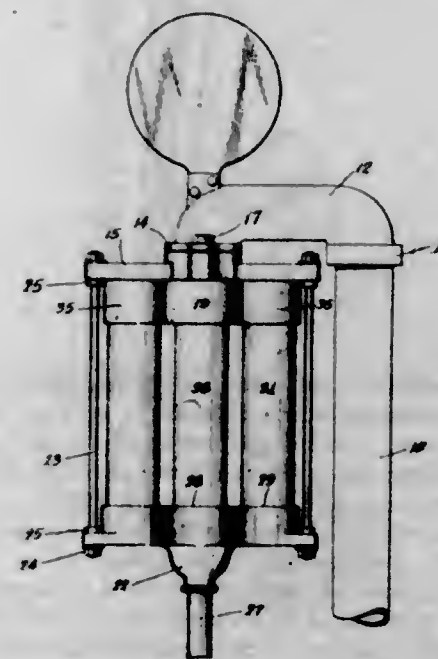
a bucket pivotally supported in said trap, a valve for controlling the exit of water from said trap, a cup positioned in the lower end of said tube, a valve rod for said valve having its lower end pivoted in said cup, a threaded stem depending from said cup and in threaded engagement with the bottom of said bucket, a nut for said stem arranged exteriorly to said bucket and a housing for said valve provided with top and side exit openings.

1,739,312. SPOT ILLUMINATION OF LENS CELLS. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation of the District of Columbia. Filed Oct. 31, 1927. Serial No. 239,999. 5 Claims. (Cl. 178-6.)



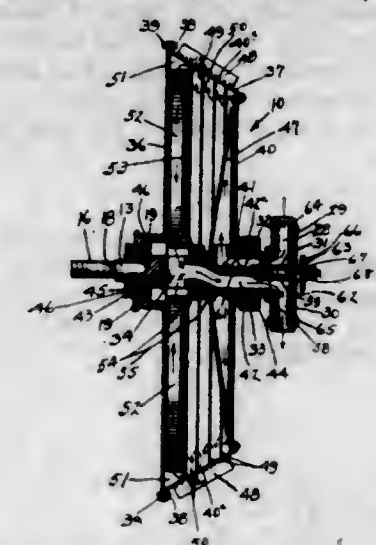
1. In apparatus of the class described, means for illuminating a subject in successive elementary areas, a lens for collecting the light reflected from said areas in the form of a widely diffused beam, and a light-sensitive cell to receive said collected light, said cell located outside the focal plane of the lens and the area of the light collecting lens being a plurality of times the area of the light sensitive cell, whereby the ordinary small light sensitive cell may be employed.

1,739,313. OIL-DISPENSING APPARATUS. BJORNULF JOHNSON, Brooklyn, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 23, 1925. Serial No. 64,311. 3 Claims. (Cl. 24-74.)



1. A visible display attachment for pumps comprising a cover plate or head having a centrally disposed opening, a base spaced from said head and having a centrally disposed opening in axial alignment with the opening in the head, a transparent tubular member mounted in the openings in said cover plate and base and communicating at one end with the discharge pipe of the pump, and a transparent sample container removably secured between said cover plate and base adjacent to the transparent tubular member enabling a ready comparison between the liquid being pumped and the standard sample in the sealed container.

1,739,314. CENTRIFUGAL COOLING DEVICE. JOHN KARMAZIN, Detroit, Mich. Filed Sept. 17, 1925. Serial No. 56,799. 8 Claims. (Cl. 257-127.)

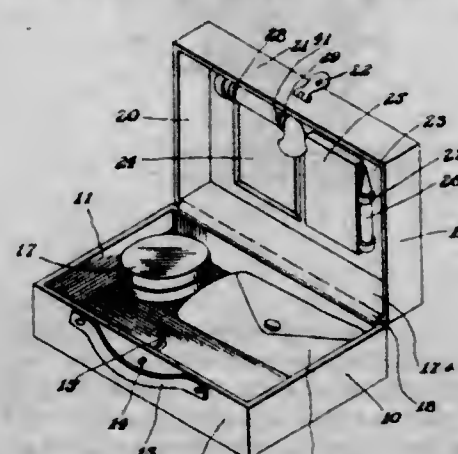


1. In a radiator, the combination of a drum, said drum including a first wall, a second wall and an inclined portion on the second wall extending to and connected with the first wall, a shaft extending through the center of said drum to support it, means by which the drum is rotated about said shaft, said shaft having two apertures in communication with the interior of the drum, a pipe connection having two openings therethrough, one of said openings associated with one of the apertures in said shaft to conduct water to the interior of said drum, a disc arranged close to the second wall to conduct the incoming water to the outer edge of said second wall, whence the water is forced along the inclined portion by the centrifugal force to the first wall, a stationary disc inside of said drum and located close to the first wall, said disc being secured to said shaft and being of a diameter large enough to extend close to said inclined portion, blades on said disc extending from its periphery substantially to the center of the drum, said blades being effective to deviate the water to the center of the drum and force it through the other aperture in said shaft through the other opening in said pipe connection, means on the outer surface of the inclined portion to agitate the air, and means on the inner surface of said inclined portion to agitate the water.

1,739,315. ETHER-ALCOHOL ESTER OF FATTY ACIDS. JOHN M. KESSLER, West Orange, and OREGON B. HELFRICH, Orange, N. J. Filed Apr. 25, 1928. Serial No. 272,856. 19 Claims. (Cl. 260-106.)

1. As new compounds, the aliphatic ether-alcohol esters of the fatty acids having a carbon content greater than five.
15. A composition of matter comprising a laurate of an ether of a glycol.

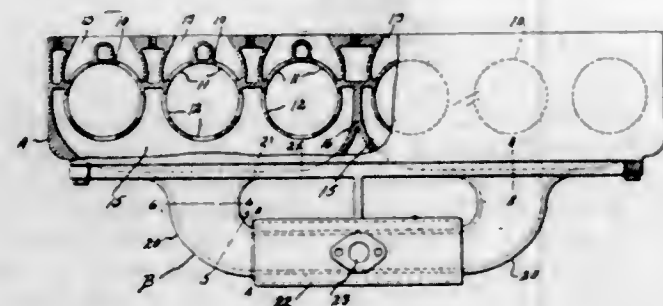
1,739,316. ILLUMINATED PURSE. MAX KOBAN and UMBERTO ERCOLANI, New York, N. Y. Filed Nov. 1, 1928. Serial No. 316,411. 4 Claims. (Cl. 240-6.4.)



1. In a purse having complementary hinged sections, a device for illuminating the interior of said purse comprising

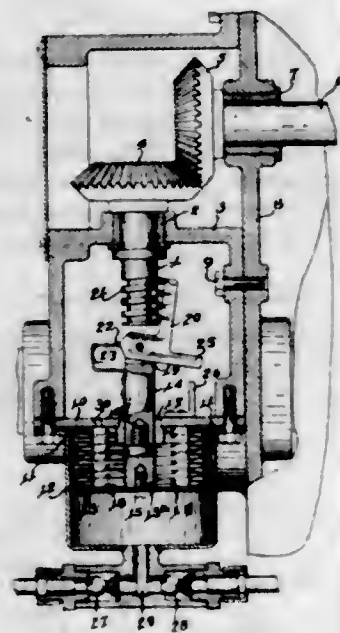
a cylinder, a dry cell located in said cylinder, a filament lamp in said cylinder, an open elbow at one end of said cylinder exposing said filament lamp, said dry cell being normally in contact with said filament lamp when said purse sections are open, rings secured to said purse, said cylinder being rotatable in said rings, and means mounted on one section of purse adapted to enter into said cylinder and open the circuit between the dry cell and said filament lamp.

1,739,317. FUEL-SUPPLY MEANS FOR ENGINES. OSCAR C. KREIS, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Nov. 30, 1927. Serial No. 236,632. 20 Claims. (Cl. 123-52.)



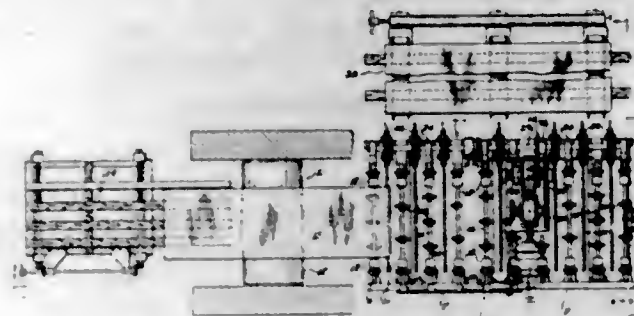
1. In an engine the combination of a plurality of engine cylinders each provided with an intake port, a chamber for the intake mixture communicating with the intake ports of said cylinders, and means for directing fuel mixture in the form of a flattened jet into said chamber for passage into said intake ports.

1,739,318. LIQUID PUMP. EDGAR JAMES LEACH, Janesville, Wis. Filed Sept. 15, 1924. Serial No. 737,654. 6 Claims. (Cl. 44-14.)



1. Means for converting movement of a rotatable shaft into a longitudinal movement of a rod in one direction, said means comprising a worm on said shaft, a rack pivoted on said rod, means for engaging said rack with said worm, a cam groove in said worm for disengaging said rack from said worm, and means for holding said rack disengaged until said rod has moved a predetermined distance in the opposite direction.

1,739,319. SHEET STACKER. GEORGE W. LENTZ, Canton, Ohio, assignor to The Bonnet Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 19, 1928. Serial No. 306,853. 18 Claims. (Cl. 271-70.)



15. A sheet stacker including rotating means, a laterally extending sheet stacking arm, and means mounting the arm for radial translatable movement on the rotating means.

1,739,320. DISAPPEARING PICTURE ILLUMINATOR. HERBERT D. LLOYD, New York, N. Y. Filed May 25, 1928. Serial No. 280,902. 9 Claims. (Cl. 240-4.)

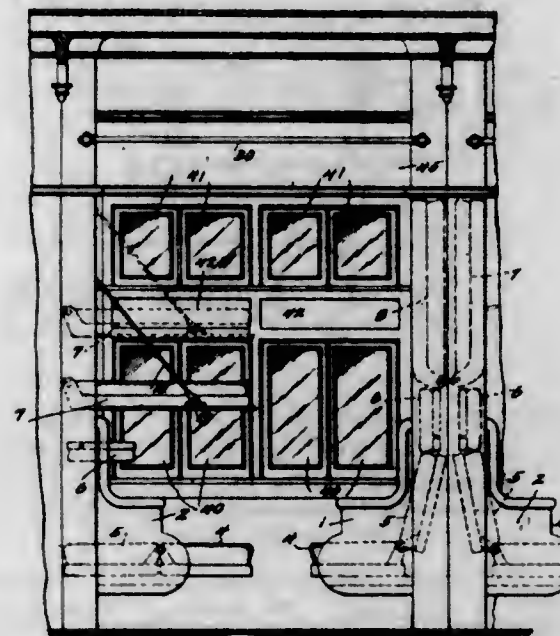


7. A mounting for picture illuminators comprising a vertically slidable bracket mounted on the rear of a picture, an arm pivotally connected to said bracket, an actuator connected with the arm and depending therefrom constituting a common means for effecting the vertical sliding movement of the bracket and swinging movement of the arm, said actuator consisting of an actuator rod pivotally connected with the arm and including a telescopically associated lower end section movable upwardly on the main portion of the rod to a position behind and concealed by the picture when the illuminator is in its concealed inactive position and extensible downwardly to a disposed depending position below the lower edge of the picture for manipulation and means for respectively latching the telescopic lower end of the rod in either of said positions.

1,739,321. SLEEPING-CAR BERTH. KARL H. MIDDENDORF, Kansas City, Mo. Filed Aug. 27, 1928. Serial No. 302,272. 19 Claims. (Cl. 105-316.)

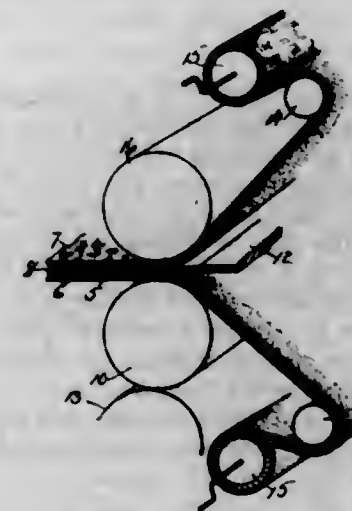
19. In a sleeping car, the combination of two oppositely facing seats adapted to be adjusted to constitute a lower berth, an upper berth, a curtain-like screen adapted to be

secured in position separating the berths from the car aisle and provided with two movable portions arranged to close openings in the curtain and communicating, respec-



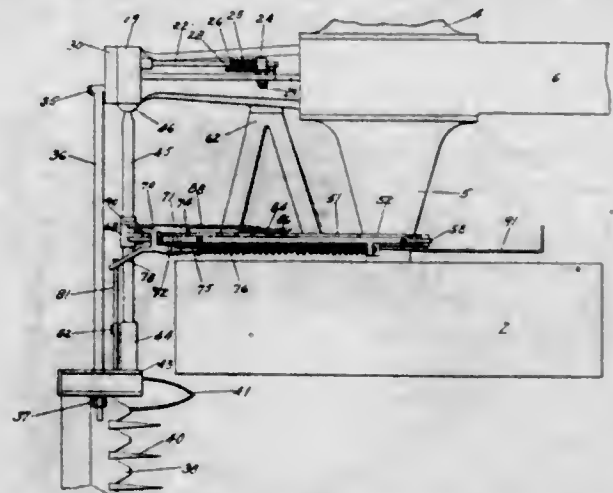
tively, with the lower and upper berths, and means adapted to be actuated by occupants of the berths for securing said portions in position over said openings.

1,739,322. PILE-FACED MATERIAL AND PROCESS OF MAKING THE SAME. FREDERICK W. MOORE, East Orange, N. J. Filed Jan. 2, 1924. Serial No. 683,935. 6 Claims. (Cl. 154-2.)



6. A new article of manufacture comprising a backing of flexible material having a surface of plush fibers in-laid in a flexible cement binder and disposed obliquely and cut short in such a manner as to cause the fibers to stand erect and without distortion, said cut free ends being developed by the cutting to a density to cover the backing, said flexible cement binder being located between the plush and the backing to secure the inner ends of the fibers comprising the plush pile to the surface of the flexible backing and the cement imparting the cement consistency to the pile surface.

1,739,323. MOWING MACHINE. EDWARD C. MYERS, Portland, Oreg. Filed Dec. 27, 1920. Serial No. 433,186. 32 Claims. (Cl. 56-25.)



1. In a mowing machine, the combination with a tractor, including an axle case and its engine shaft, of mowing mechanism including a reciprocating cutter bar fastened to the axle case and disposed rearwardly thereof, and mechanism operatively connecting the engine shaft and the cutter bar.

1,739,324. TOOTHBRUSH. WILLIAM M. NEISSL, Charleston, Ark. Filed Oct. 15, 1928. Serial No. 312,669. 4 Claims. (Cl. 15-202.)



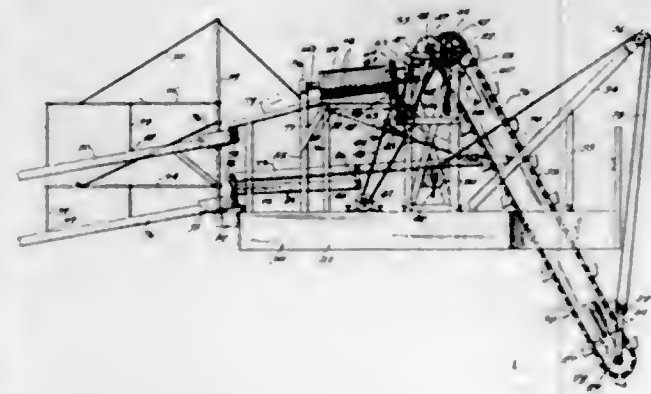
1. In a device of the character described, a resilient U-shaped handle member, crossed parallel jaws carried by the ends thereof, and latch means associated with the legs of the U-shaped handle slightly in advance of the points of intersection of the jaws to normally hold them against lateral separation and thus hold the jaws in position to clamp an object therebetween.

1,739,325. FOUNTAIN PEN. THOMAS PEARSON, Syracuse, N. Y. Filed Aug. 17, 1927. Serial No. 213,657. 1 Claim. (Cl. 120-47.)



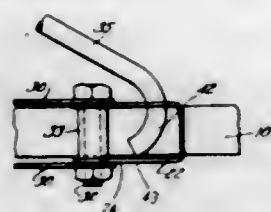
In a fountain pen, a barrel adapted to receive ink, and a hollow plunger adapted to be reciprocated in said barrel and fitting snugly therein, said plunger having a vent hole adjacent the rear end adapted to be closed for drawing ink into the barrel by a rearward movement of the plunger, said plunger furthermore having a second hole therein a sufficient distance from the inner end to permit of said second hole showing above the rear end of the barrel while the extreme end of the plunger is still in the barrel.

1,739,326. GOLD DREDGE. ALBERT J. POSSELT, Salida, Colo. Filed Apr. 13, 1928. Serial No. 269,747. 4 Claims. (Cl. 114—51.)



1. A device of the class described including a pontoon construction comprising a plurality of water-tight tanks, angle brackets mounted interiorly of said tanks adjacent the corners thereof, angle brackets mounted exteriorly of said tanks adjacent the corners thereof, means for securing said angle brackets to each other and to said tanks, and means for connecting the angle brackets disposed extraneous said tanks whereby to connect said tanks so as to provide said pontoon construction.

1,739,327. CULTIVATOR. ARTHUR W. REYNOLDS, Leonardsville, N. Y., assignor to The Babcock Manufacturing Company, Leonardsville, N. Y., a Corporation of New York. Filed May 9, 1927. Serial No. 189,848. 2 Claims. (Cl. 97—172.)

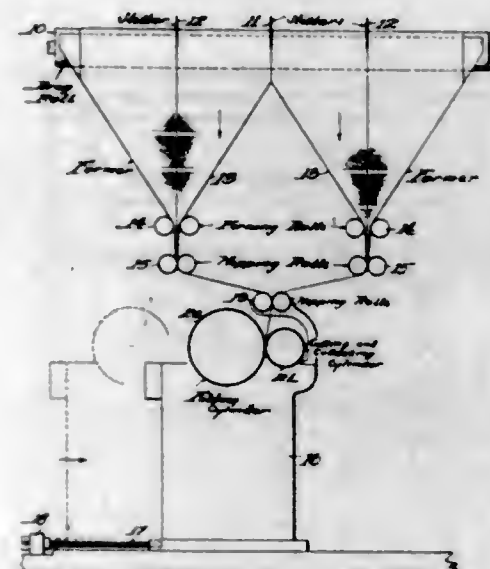


1. In a cultivator having a main beam and side beams hingedly connected thereto, an adjustable slide on the main beam, links pivotally connected at their ends to said slide and side beams respectively, an operating lever for moving the slide along the main beam, and a connecting link between said lever and said slide, one end of the link being curved and fitted into an opening in the slide, said curve being such that on the rearward movement of the slide the curved end contacts only with one edge of the opening and on the forward movement of the slide the curved end contacts with another edge of the opening and with the bottom portion of the slide.

1,739,328. FOLDING MACHINE FOR TABLOID NEWS-PAPERS. OSCAR CHARLES ROESSEN, Brooklyn, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Dec. 14, 1927. Serial No. 239,924. 7 Claims. (Cl. 270—42.)

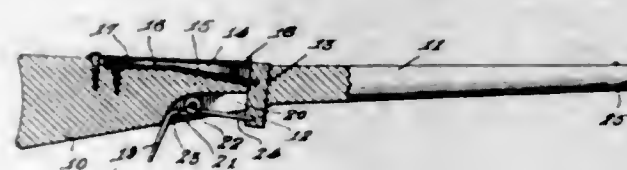
1. In a newspaper printing machine, the combination with a pair of formers, a drag roll, means for slitting the web in two at a point between the two formers, means for slitting each half of the web in two at points registering

with the centers of the two formers of a single folder, and means for delivering the four webs from the two formers,



to said single folder, and means for adjusting said folder to a point at which its nipping rolls are halfway between the points of delivery from the two formers.

1,739,329. TOY. KICHISABURO SAHARA, Kapaa, Territory of Hawaii. Filed July 20, 1928. Serial No. 294,264. 2 Claims. (Cl. 124—14.)

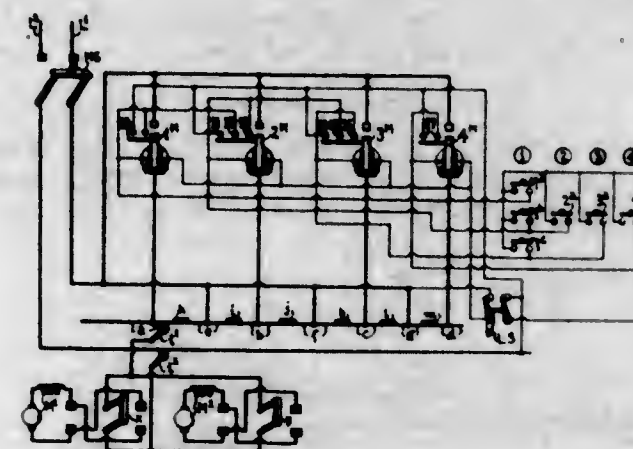


1. A toy gun having oppositely located cut-out portions in the stock and a notched portion in the free end of the barrel thereof, a pin slidably mounted for reciprocating action within the gun between the cut-out portions, a spring mounted within one of the cut-out portions having connection with the pin to dispose the same to occupy an elevated position, a trigger pivotally mounted within the remaining compartment for connection with the pin to shift the latter to occupy a released position, a cover plate enclosing the spring within its respective cut-out portion, and an upstanding flange portion projected from the cover plate being adapted to release a projectile from the adjacent end of the pin when the latter is called into use.

1,739,330. MOTOR CONTROLLER. EDWIN W. SIKORA, South Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc., a Corporation of Delaware. Filed Aug. 27, 1926. Serial No. 181,906. 10 Claims. (Cl. 104—149.)

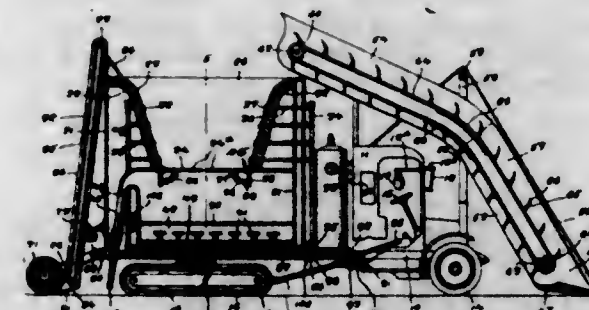
1. In a controller for motor operated carriers and the like, the combination with a trolley conductor formed of a plurality of alternate normally dead and normally live sections, of a trolley contactor adapted for engagement therewith, a dispatching station, and means comprising a plurality of switches located at said dispatching station, each of said switches being adapted upon closure thereof to effect energization of one of said dead sections

and certain of said switches being also adapted upon closure thereof to effect energization of other of said



dead sections, whereby said carrier may be directed at will from said dispatching station to any one of a plurality of predetermined points selectively.

1,739,331. SNOW-REMOVING MACHINE. STEPHEN SIDELLA, Port Carbon, Pa. Filed Dec. 27, 1927. Serial No. 242,668. 3 Claims. (Cl. 37—12.)



3. A machine for cleaning snow from roadways and the like comprising a truck adapted to be moved along said roadway, a body on said truck, a hopper therein, a tank beneath said hopper, means for heating said hopper and for heating said tank, a wheeled scoop forwardly of said truck, a conveyor leading from said hopper to said scoop, a nozzle in connection with said tank, means for controlling the flow of fluid from said tank through said nozzle, and a sweeper rearwardly of said nozzle rotatably mounted on said truck, means for rotating said sweeper, and a conveyor leading from said sweeper to a point above said hopper.

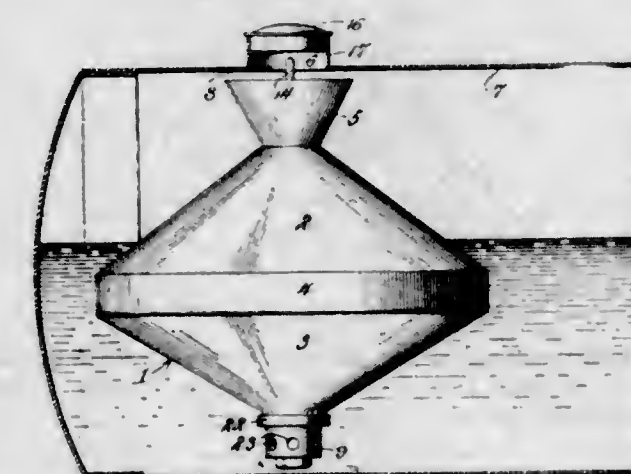
1,739,332. FURNITURE POLISH. ENOCH E. STURM, Parkersburg, W. Va., assignor of one-half to Ony O. Sturm, Parkersburg, W. Va. Filed Nov. 25, 1927. Serial No. 235,752. 1 Claim. (Cl. 134—24.)

A furniture polish consisting of crude oil, oil of cedar, oil of sassafras, solution of antimony chloride, and apple vinegar, in about the proportions set forth.

1,739,333. AUXILIARY TANK FOR MOTOR VEHICLES. FRED SWOYER, Silver Grove, Ky. Filed July 17, 1928. Serial No. 293,442. 4 Claims. (Cl. 158—46.5.)

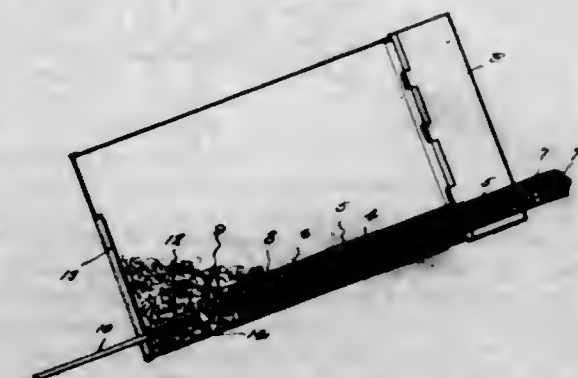
1. The combination with a main fuel tank provided at the top with a filling opening, of an auxiliary fuel tank arranged within the main fuel tank below the filling opening thereof and having oppositely tapered upper and lower portions and provided at the top with a downwardly tapered neck of greater diameter at the top than

the filling opening of the main tank, and valve mechanism for controlling the flow of fuel from the auxiliary tank into the main tank having an operating handle located within the tapered neck, the said tapered lower portion of the auxiliary tank being adapted to secure complete



drainage of the auxiliary tank when the main tank is empty and while the machine is either in a horizontal position or at any safe angle and the tapered upper portion being adapted to retain the contents of the auxiliary tank within the same.

1,739,334. CIGARETTE MACHINE. MITSUHE TAKAHASHI, Honolulu, Territory of Hawaii. Filed Oct. 12, 1927. Serial No. 225,710. 3 Claims. (Cl. 131—5.)

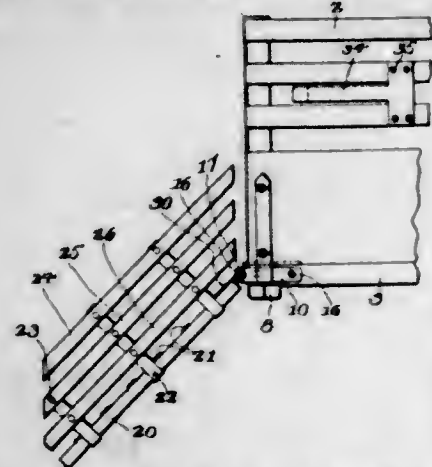


1. A cigarette forming device comprising a casing, a holder tube therein having both ends open with the inner end of the tube spaced from the bottom of the casing, a former tube formed with an enlarged inner part which fits snugly in the holder tube to frictionally hold the former tube in the holder tube, the narrow part of the former tube leaving a space between itself and the holder tube for receiving the cigarette paper which is wrapped around the small part of the former tube, the outer end of the tube formed by the paper being closed, a spiral extending into the tubes, a handle connected with the spiral and passing through a part of the casing whereby the spiral can be rotated to cause the tobacco to pass from the casing into the former tube.

1,739,335. LOADING CHUTE. EDWIN WILLIAM TANGEMAN, Madison, S. Dak. Filed Jan. 12, 1928. Serial No. 246,217. 8 Claims. (Cl. 119—82.)

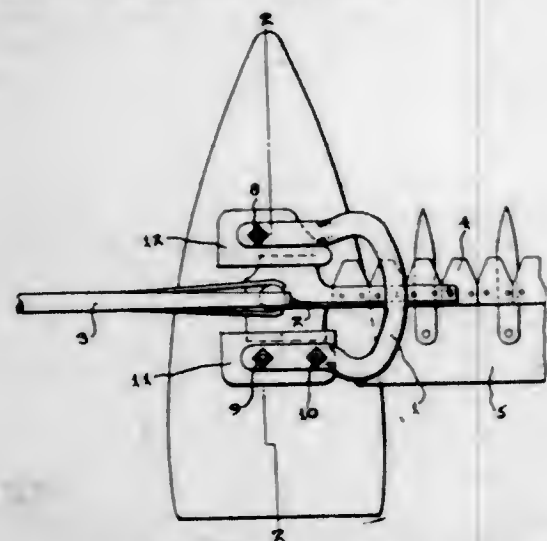
1. A chute adapted to be carried by the body of a vehicle and independent of the tail gate of the latter, said chute being of less width than the width of such tail gate and comprising a pair of oppositely disposed, independent sections each including a bottom and side rails, a pivot rod for connection with the rear of the vehicle body transverse-

ly thereof, means carried by each of said sections for pivotally and slidably connecting it to said rod, and means for



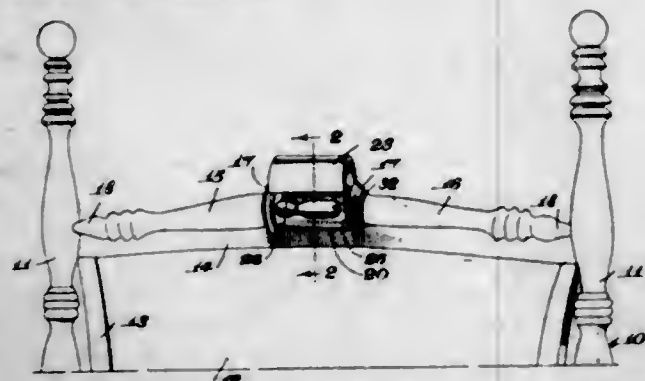
detachably connecting said sections together to arrange the chute in loading and unloading positions leading to and from such tail gate.

1,739,336. KNIFE-HEAD HOLDER. GEORGE E. VANDERHOOF, Karval, Colo. Filed July 5, 1928. Serial No. 290,453. 1 Claim. (Cl. 56-303.)



In combination with a sickle element of an agricultural machine, the same having a knife head and knife head guide and knife guard between which the knife head moves, a guard yoke having a curved or arcuate portion spanning the knife head and terminals disposed respectively upon the knife head guide and knife guard, and bolts extending through the terminals of the guard yoke and through the knife head guide and knife guard respectively and retaining said parts in position, said guard yoke being formed of flat metal twisted to dispose the curved or arcuate portion at substantially right angles to the terminal portions.

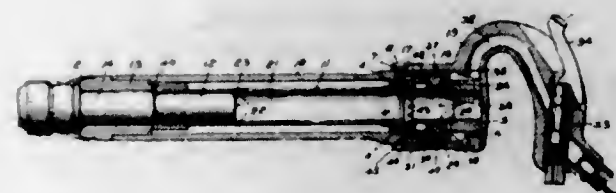
1,739,337. BUILT-IN BED LAMP. JAMES BOBBIT VON CANON and JAMES FREDERICK VON CANON, West End, N. C. Filed Apr. 12, 1928. Serial No. 269,465. 4 Claims. (Cl. 240-4.)



1. A bedstead having a head panel, a decorative member at the upper portion of the panel and including an

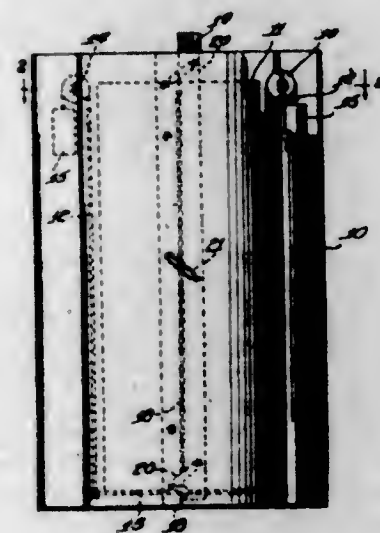
enlargement provided with a lamp chamber having a light opening, a hinged closure for the opening and forming part of the decorative member, the closure when in open position acting to deflect light rays directly on the upper portion of the bed, the decorative member being located approximately centrally of the bed panel.

1,739,338. PNEUMATIC TOOL. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed July 11, 1921. Serial No. 483,794. 9 Claims. (Cl. 121-31.)



1. In combination in a pneumatic tool, a tubular casing, a tubular member enclosed within but spaced from the inner peripheral face of said casing, and an annular valve box within said casing, forming a support for one end of the tubular member and into which said member projects.

1,739,339. APPARATUS FOR DISPENSING ICE CREAM. WILLIAM R. WILLAUER, Spartanburg, S. C. Filed Mar. 26, 1928. Serial No. 264,771. 3 Claims. (Cl. 220-93.)

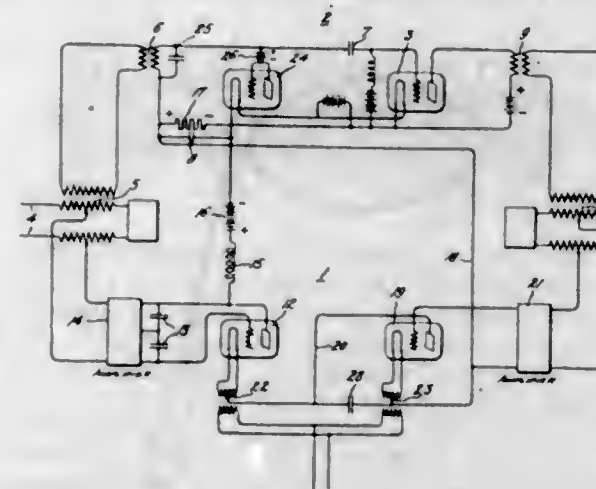


1. In an apparatus of the class set forth, a refrigerator receptacle, an ice-cream can adapted to be set down in said receptacle, a support for the ice-cream can, weight-operated means for elevating said support automatically, the weight of the weights being insufficient to thus elevate the ice-cream can until a portion of the contents has been removed, and manually-operable means for controlling the lifting of the ice-cream can by means of said weights.

1,739,340. SIGNALING SYSTEM. GEORGE P. ADAIR, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 18, 1928. Serial No. 255,484. 4 Claims. (Cl. 179-15.)

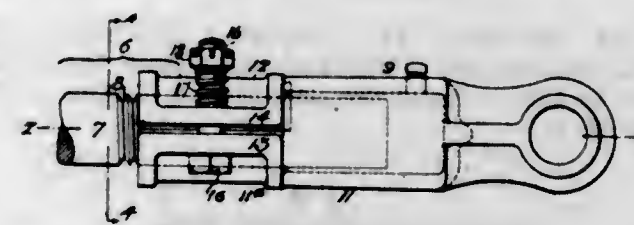
1. In a signaling system, a receiving circuit, a transmitting circuit, an electron discharge device having an anode and a cathode, the space between said anode and cathode being connected in shunt with said receiving circuit and the impedance thereof being variable in re-

sponse to the intensity of the received signals, and means responsive to operation of said transmitting circuit for



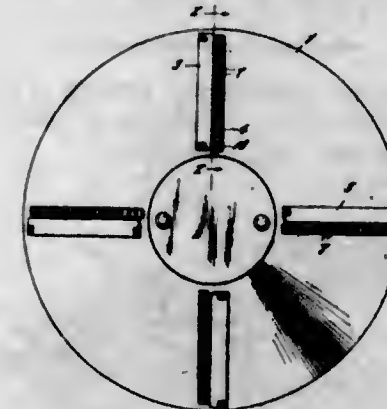
impressing a potential upon said anode with respect to said cathode thereby to diminish the impedance of said discharge device.

1,739,341. BRAKE ROD. WALTER S. ADAMS, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1926. Serial No. 127,923. 3 Claims. (Cl. 187-111.)



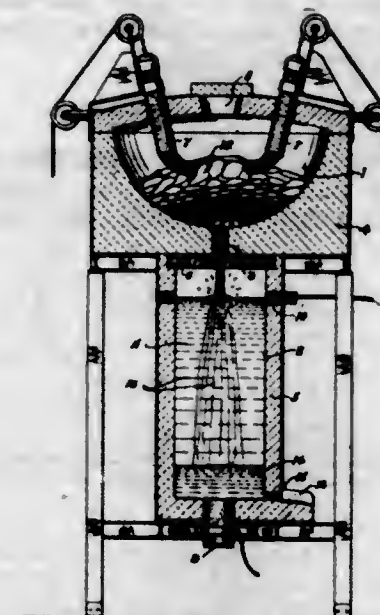
1. The combination in a brake mechanism, of a head made in two parts, comprising a recessed body part and a segmental clamping part having a portion fitting the recess of the other part; yieldable means holding the parts together; means for adjusting the tension of said yieldable means, each part having a screw-threaded section; and a rod having an external thread engaging the threaded sections of the head.

1,739,342. AUXILIARY KNIFE FOR VEGETABLE SLICERS. JOHN A. ANDRUSIS, Brooklyn, N. Y. Filed Feb. 7, 1928. Serial No. 252,600. 2 Claims. (Cl. 140-91.)



1. In combination with a rotary member of a vegetable slicer having slots therein, knives connected with one side of the member and extending over the slots, supports connected with the opposite side of the member and extending over the slots, each support and each knife being arranged at opposite sides of each slot and a plurality of knives carried by each support, said knives extending through each slot and arranged at right angles to the first mentioned knives.

1,739,343. MELTING AND REFINING FURNACE. THADDEUS F. BAILY, Alliance, Ohio. Filed Jan. 28, 1928. Serial No. 250,219. 4 Claims. (Cl. 266-1.5.)



1. Apparatus for melting and refining metals including walls forming a melting chamber, there being an opening in one of the walls for charging solid material to be melted into the melting chamber, electrodes movably mounted in the melting chamber walls extending into the melting chamber, walls forming a refining chamber located below the melting chamber, an electrode in the upper portion of the refining chamber, an electrode in the lower portion of the refining chamber, molten slag in the refining chamber extending between the upper and lower refining chamber electrodes, means for passing an electric current between the refining chamber electrodes through the slag for maintaining the slag in molten condition, means for producing an arc between the melting electrodes and the solid material for melting the material, means communicating between the melting chamber and refining chamber whereby material melted in the melting chamber will pass by gravity through the communicating means into the refining chamber and through the molten slag to the lower portion of the refining chamber, and means for withdrawing refined metal from the lower portion of the refining chamber.

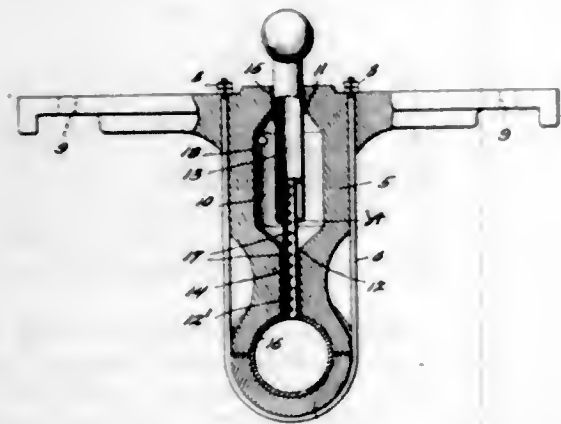
1,739,344. ELECTRIC FURNACE. THADDEUS F. BAILY, Alliance, Ohio. Filed Jan. 28, 1928. Serial No. 250,220. 2 Claims. (Cl. 265-1.5.)



1. A furnace of inverted cone shape, a resistor material within the furnace, an electrode at the lower end of the

furnace axial of the cone, a plurality of movable electrodes in the upper end of the furnace and substantially parallel to the side walls thereof, and a carbon lining in the upper portion of the side walls located in the area adjacent to the arc, the portion of the wall below the carbon lining extending entirely to the bottom and to the lower electrode and being of non-conducting material.

1,739,345. LUBRICATING CONVEYER HANGER. JOSEPH OSWELL BAILEY, Atlanta, Ga. Filed Mar. 29, 1928. Serial No. 265,593. 1 Claim. (Cl. 184-69.)



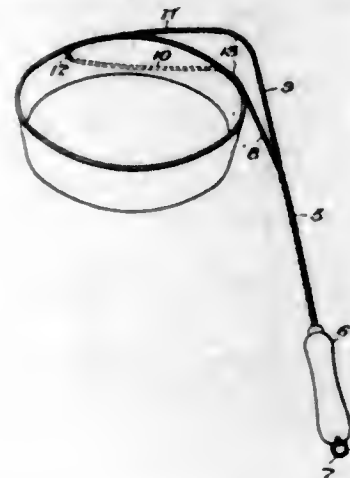
A hanger having a bearing in which is mounted a coupling, of a lubricant reservoir carried by the hanger having upper and lower aligned openings, a tube adapted to extend through said openings, said tube comprising upper and lower telescopic sections, the upper section projecting above said hanger and extending partially within said reservoir, the lower section extending through said lower opening of sufficient diameter to provide a channel surrounding said section, the upper end of said section being telescopically engaged within the upper section, co-acting means carried by the contacting ends of said sections to prevent their normal disengagement and allow their removal as a unit from said hanger, said lower section being perforated throughout its length and adapted to gravitationally contact said coupling to effect heating thereof, whereby the lubricant above and within the lower opening is directed exteriorly of said lower section and through said perforations interiorly thereof to the coupling, irrespective of the normal consistency of the lubricant.

1,739,346. METHOD OF SUPPLYING THREAD FOR MENDING STOCKINGS. MARY G. BARNEY, Kansas City, Kans. Filed Nov. 10, 1928. Serial No. 318,488. 1 Claim. (Cl. 2-239.)



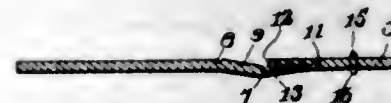
The herein described method of obtaining thread for mending knitted articles provided with hems stitched to the body longitudinally of said hem, consisting of providing a row of stitches passing through the hem substantially parallel with and spaced from the original stitching of the hem, opening the material and removing one or more threads between the parallel rows of stitching.

1,739,347. OVEN UTENSIL. HELEN DYMOND BENEDICT, Bridgeport, Conn. Filed Aug. 14, 1928. Serial No. 299,608. 1 Claim. (Cl. 294-1.)



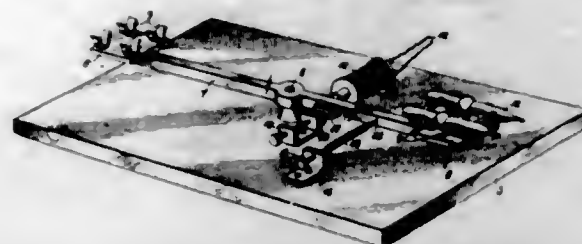
An improved kitchen utensil comprising a single strand of wire having its intermediate portion looped and bent to provide pairs of divergent legs disposed angularly toward one another, end portions twisted together, a handle extending about said twisted portion, and an eye beyond the handle for hanging the device.

1,739,348. BOTTLE CAP. SANFORD J. BLACKWELL, Atlanta, Ga., assignor to Cobb Benning, Atlanta, Ga. Filed Dec. 6, 1928. Serial No. 324,284. 4 Claims. (Cl. 215-51.)



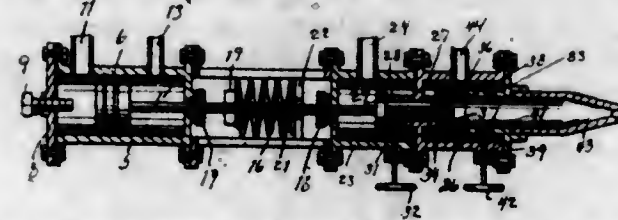
1. A bottle cap comprising, a body portion formed in its outer face with a pair of spaced, parallel incisions and further formed with a right angularly disposed incision connecting said spaced incisions and spaced from the inner ends thereof, said body portion being further formed in its outer face with a score connecting the inner ends of said spaced incisions and extending in parallel relation to said connecting incision, said score being of materially less depth than said incisions and coacting therewith to provide a depressible part for said body portion, said incisions coacting to provide a tab part adapted to be split from the body portion at one end of the tab part upon the exertion of a downward force on said depressible part.

1,739,349. LIQUID-SHAKING APPARATUS. DANIEL BLAIN, Nashville, Tenn. Filed Jan. 6, 1928. Serial No. 245,027. 8 Claims. (Cl. 259-75.)



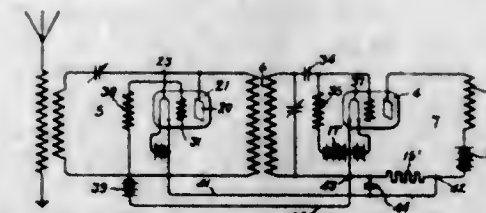
1. A clinical agitator comprising in combination resilient means for holding the substance to be agitated, an arm to support said means mounted on a vertical axis, means for imparting an oscillating motion to said arm, and means operatively connected with said arm between said holding means, and said axis whereby the period of oscillation may be varied.

1,739,350. AUTOMATIC OIL BURNER. JOSEPH BRANT, Hoquiam, Wash. Filed Apr. 27, 1928. Serial No. 273,344. 1 Claim. (Cl. 236-8.)



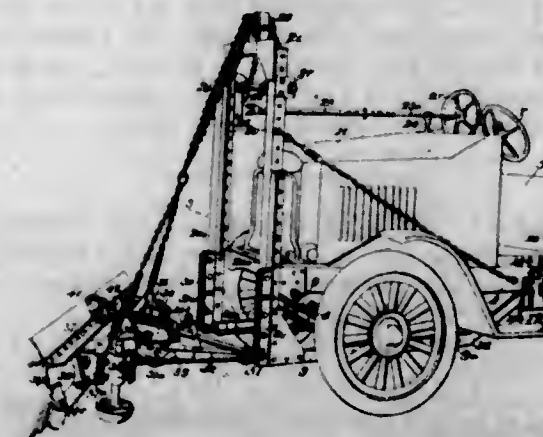
In a fuel burner of the character described, a steam cylinder, a piston movable in said cylinder, limiting means projecting into said cylinder for limiting movement of said piston, means for conducting pressure to the opposite sides of said piston, a rod secured to said piston and projecting through one end of said cylinder, a frame secured to said cylinder, a steam chest secured to said frame and spaced from and in alignment with said cylinder, an oil supply cylinder secured to and in alignment with said steam chest, a head formed between said steam chest and said oil supply cylinder, a boss formed on said head, a port formed through said boss, a cylindrical valve slidably carried on said boss at a point within said oil cylinder and adapted to be moved through the action of said piston rod, a valve secured to said piston rod and adapted to contact said boss at a point within said steam chest, an outlet valve seat formed in said oil chest and adapted to be engaged by said cylindrical valve and tension means carried on said piston rod in the manner described.

1,739,351. HIGH-FREQUENCY SIGNALING SYSTEM. EMMETT F. CARTER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 14, 1927. Serial No. 161,188. 19 Claims. (Cl. 250-20.)



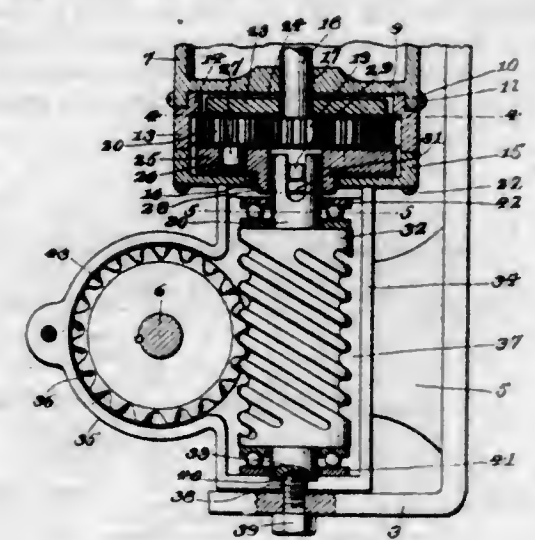
16. In a high frequency receiving circuit, a detector, a tuned circuit for controlling the input to said detector and means responsive to current flowing in said detector for detuning said tuned circuit in accordance with the gradations in intensity of said current over a range of variations thereof.

1,739,352. SNOWPLOW. ROY E. CHOWSE, Cedar Rapids, Iowa. Filed Sept. 1, 1927. Serial No. 216,842. 9 Claims. (Cl. 37-42.)



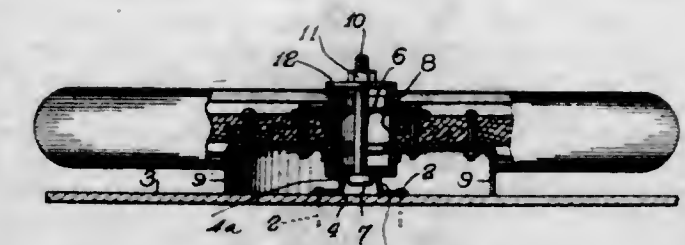
1. Combined with the chassis of a motor truck, and snow-plow pushed thereby, a pair of push-bars attached midway of the chassis, and forwardly connecting operatively with a snow-plow, front-axle supports for said bars, including bar-enclosing sleeves and hangers holding said sleeves immovably laterally or endwise, but free to move a limited distance vertically with respect to the axes.

1,739,353. POWER UNIT. FRED F. CRITESER, Roseburg, Oreg. Filed Oct. 20, 1927. Serial No. 227,906. 7 Claims. (Cl. 254-186.)



1. A power unit comprising a support, a motor arranged thereon, connected therewith, and including an armature shaft projecting therefrom, a planetary gear mechanism attached to said motor, said armature shaft extending into said mechanism and carrying a driving gear therefor, a shaft having a bifurcated end slidably coupled to and driven from said mechanism and provided with a worm, thrust bearings at each end of said worm, a worm gear meshing with and driven from said worm, a housing common to said worm shaft, worm gear and thrust bearings, a cable winding drum, and a shaft common to said drum and worm gear and mounted in said support, and housing, said drum being arranged exteriorly of said housing.

1,739,354. WHEEL HOLD DOWN. EDWARD S. EVANS and CLIFFORD L. SNYDER, Detroit, Mich., assignors to the Evans Auto Loading Co. Inc., Detroit, Mich., a Corporation of Delaware. Filed July 13, 1927. Serial No. 205,366. 1 Claim. (Cl. 280-179.)

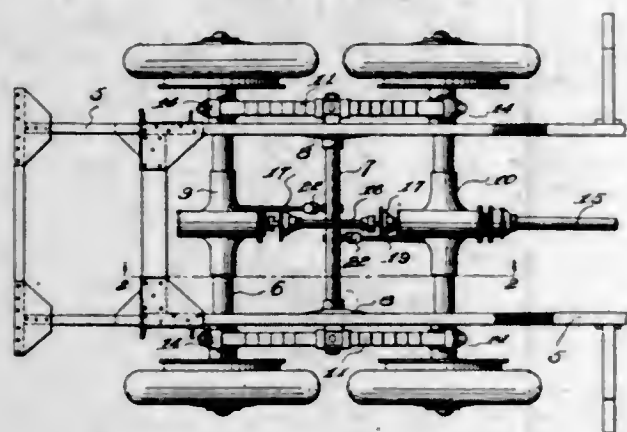


A holddown for automobile wheels comprising an anchoring foot having a floor flange adapted to be secured to the floor of a car, and formed with an upwardly rising central boss, pierced for the passage of a wheel retaining bolt, and a bolt having a head on its lower end and threaded at its upper end for the reception of a nut, said central boss being of polygonal formation on its inner portion and said bolt head being shaped to interlock with the boss to prevent turning, and said bolt having a washer at its upper end to rest on the hub of a wheel and constitute a seat for the nut, the device being constructed and adapted to secure a wheel to a car floor, with the brake drum resting thereon.

1,739,355. TORQUING ARRANGEMENT FOR TANDEM-AXLE VEHICLES. ROLLIE B. FACEOL, Los Angeles, Calif., assignor to Eight-Wheel Motor Vehicle Company, a Corporation of California. Original application filed Nov. 2, 1921. Serial No. 512,243. Divided and this application filed July 25, 1927. Serial No. 208,369. 18 Claims. (Cl. 180-22.)

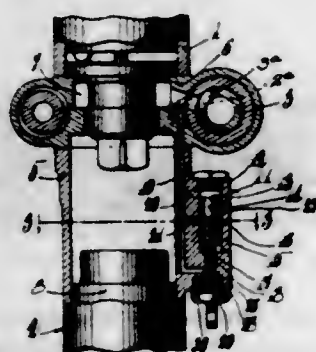
1. A road vehicle including a frame, a truck, comprising two axle housings and springs united at their ends to

said housings by universal joints and connecting said axle housings together, said truck being arranged to support one end of said frame, and being pivoted to said frame on a transverse axis so that the truck is free to swing as the wheels thereof follow road irregularities, axles in said housings, a drive shaft, means, including flexible shaft sections, to transmit the power of said shaft to said axles,



and torque resisting connections arranged to resist the reactions due to the driving torque arranged between said housings, said connections being substantially rigid in substantially vertical planes but flexible endwise and laterally so that the housings can freely approach or recede from each other as the springs deflect, and can freely tilt as the wheels on one side of the vehicle rise or fall with respect to the wheels on the other side thereof.

1,739,356. ROCK-DRILLING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 3, 1922. Serial No. 572,515. 13 Claims. (Cl. 121-9.)

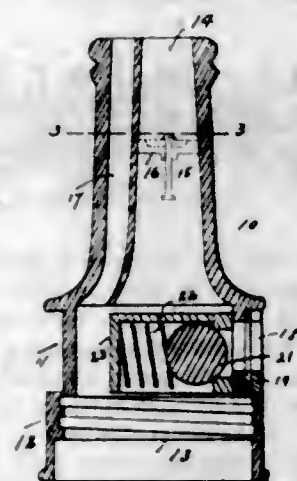


1. In a rock drilling device of the type having fluid actuated feeding mechanism and manually operable means for controlling supply of live pressure fluid to said feeding mechanism, the improvement which comprises means responsive to pressure changes in said feeding means within limits materially below line pressure for admitting live fluid directly to said feeding mechanism for maintaining the pressure therein above a predetermined minimum materially below line pressure when said manually controlled supply is closed.

1,739,357. REFILLABLE BOTTLE FOR VENDING OIL. FREDERICK D. GATCHELL, New York, N. Y. Filed July 9, 1927. Serial No. 204,546. 3 Claims. (Cl. 215-78.)

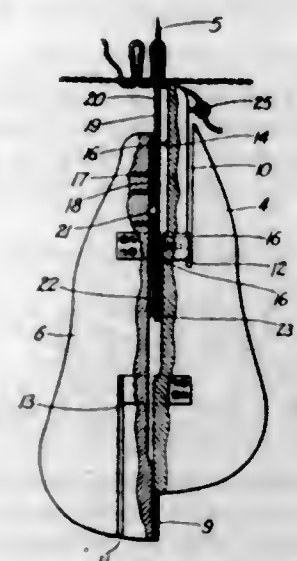
1. A closure for removable attachment to bottles designed to provide a filling and pouring attachment, comprising a nozzle-like body formed to provide a discharge

passage extending lengthwise the body and opening through the end thereof, the body being also formed with



a valved inlet passage opening through the side of the body, said passage opening downwardly within the body and being closed against the discharge passage.

1,739,358. LOOPING MACHINE. EMORY J. GEARHART, Clearfield, Pa. Filed Dec. 23, 1927. Serial No. 242,151. 3 Claims. (Cl. 112-80.)



1. A looping instrument comprising a handle having a straight edge provided with a groove extending lengthwise thereof, a needle pivoted between its ends in said groove and projecting from one end of said handle, a second handle having a straight edge slidable on the first named straight edge and having a groove aligned with the groove in the first named handle, a loop holder fixed in the last named groove and projecting from the end of the second named handle, and a cam in the last named groove in slidable contact with said needle to swing the projecting end thereof toward and from the loop holder when the handles are slid relatively to each other.

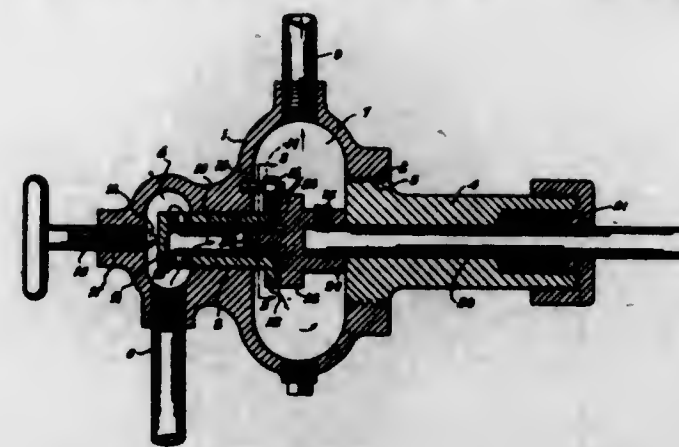
1,739,359. ANCHOR RAISING AND LOWERING MEANS. WILLIAM A. HAUSENFLUCK, Washington, D. C. Filed Apr. 2, 1928. Serial No. 266,677. 13 Claims. (Cl. 114-210.)



11. Anchor raising and lowering means comprising a carriage movably supported on a part of a boat, guiding

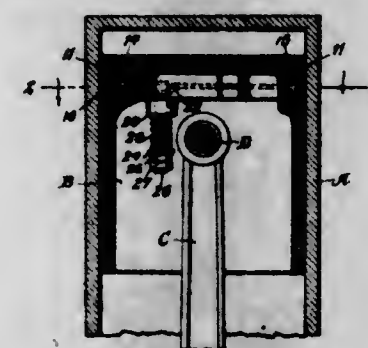
means for an anchor chain at the front end of the carriage, an anchor supporting flap hinged to the front end of the bottom of the carriage and lying in the same plane as said bottom when in raised position, said flap moving downwardly under the action of gravity to drop the anchor when the front of the carriage is projected beyond the side of the boat and swinging upwardly to engage the anchor and lift the same when the carriage moves inwardly due to said flap engaging a part at the side of the boat.

1,739,360. OIL-REGULATING DEVICE. ROBERT C. HOPKINS, Alliance, Ohio. Filed Oct. 1, 1925. Serial No. 59,880. 2 Claims. (Cl. 83-8.)



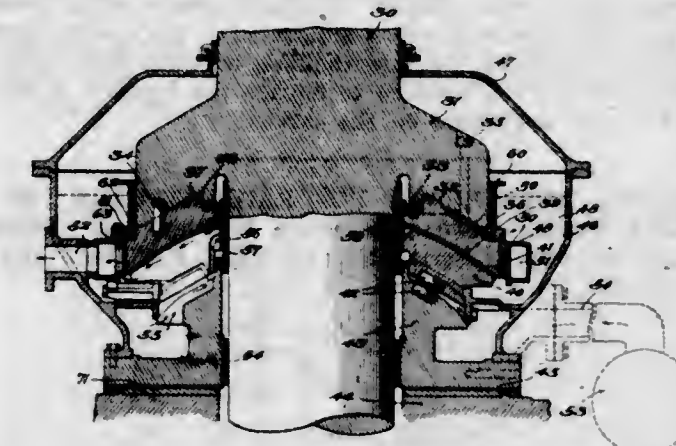
1. An oil regulating device including a housing, the housing including walls forming two chambers and a bore connecting the two chambers, an inlet for one of the chambers and an outlet for the second, a non-rotary tube located through said bore and having an annular flange thereon located in said second chamber, a rotary shaft journaled in the housing and having an end located within the second chamber, a grinding disk fixed to the end of the shaft within the second chamber cooperating with the annular flange, and a grooved hub on the disk journaled in the non-rotary tube whereby oil under pressure admitted to one of the chambers will pass through the tube, along the grooved hub, and between the disk and flange where the same will be broken up and emulsified.

1,739,361. PISTON RING. HENRY JAMDIKE, Brooklyn, N. Y. Filed Mar. 2, 1929. Serial No. 343,969. 5 Claims. (Cl. 74-100.)



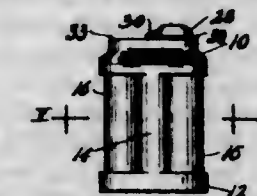
1. In a piston mounted for reciprocatory movement in a cylinder, means for establishing a seal between the piston and cylinder walls including arcuate ring forming sections carried by and encircling the piston, means for imparting outward movement thereto with respect to the piston comprising a plunger for each ring section mounted for radial movement in the piston, a circumferentially disposed flexible element extending freely through said plungers, guide surfaces formed on the piston adjacent each plunger into which portions of said element are offset inwardly and a member acting on said flexible element to cause the inwardly offset portions to move outwardly for imparting outward motion to said ring sections.

1,739,362. BEARING. ALBERT KINGSBURY, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 13, 1927. Serial No. 226,001. 42 Claims. (Cl. 308-160.)



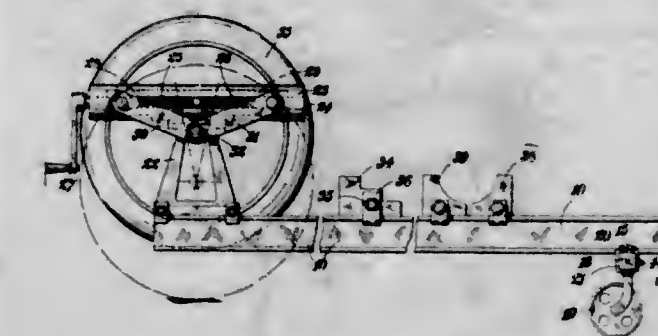
1. In a hydroelectric unit, in combination with a water wheel, a rotor and a shaft connected to said rotor, a thrust bearing interposed between said rotor and said water wheel, said thrust bearing having spherically curved bearing surfaces of such radius of curvature that said shaft is rigidly centralized against the lateral forces tending to displace said shaft.

1,739,363. INDIVIDUAL COMBINATION SALT AND PEPPER SHAKER. GUSTAV F. KRAFT, Kansas City, Mo. Filed May 18, 1928. Serial No. 278,790. 3 Claims. (Cl. 65-45.)



1. A combination salt and pepper container comprising a pair of receptacles, a holder comprising integrally connected upper and lower housing portions for embracing both the mouths of the receptacles and also the bottoms thereof, said lower housing portion having openings permitting the removal and replacement of the receptacles out of and into assembled relation, respectively, and a movable detent element for retaining the receptacles within the holder.

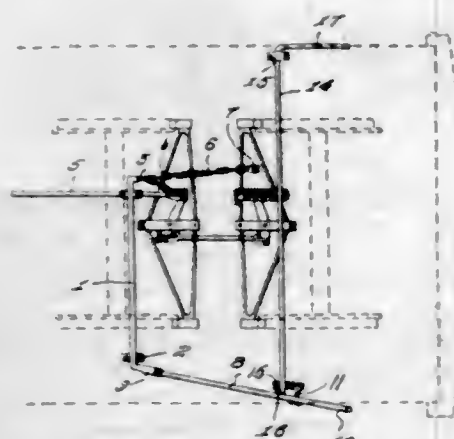
1,739,364. TRANSPORT DEVICE FOR DAMAGED VEHICLES. ARTHUR ERNEST LAKE, Bishop's Stortford, England. Filed Sept. 8, 1926. Serial No. 134,237, and in Great Britain Oct. 28, 1925. 4 Claims. (Cl. 280-34.)



1. For use in salvaging damaged vehicles and like objects, a demountable carrier comprising in combination two longitudinal members, two supports mounted on the same at one end thereof, two toggle lifting mechanisms, one carried by each of said supports, a wheel axle carried by said lifting mechanisms, and two wheels mounted on

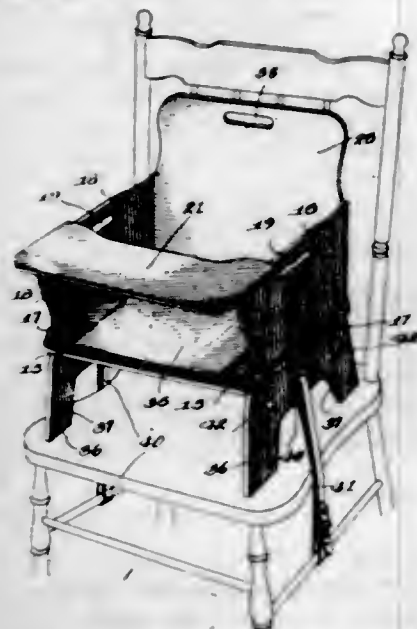
said axle, one at each end thereof, a tie-bar adjustably and detachably mounted on the other end of said longitudinal members, a single wheel mounted on said tie-bar between said longitudinal members and arranged to permit of steering movements, devices carried by the longitudinals between their ends adapted to engage parts other than the axles of a disabled vehicle supported on the carrier, and crutches carried by the longitudinals between their ends, which crutches are adapted to engage the axles of a disabled vehicle supported on the carrier.

1,739,365. FOOT BRAKE FOR RAILWAY CARS. ORVILLE WRIGHT LANCASTER, South Whitley, Ind. Filed Apr. 30, 1927. Serial No. 187,856. 1 Claim. (Cl. 188—38.)



In combination with a railway car and its braking mechanism, a rock shaft supported from the bottom of the car, and having both ends bent, flexible means for connecting the inner bent end with the main brake rod of the car, a spring connected with this bent end and to a part of the car, said spring holding the parts with the brakes in "off" position, a rod connected with the other bent end of the shaft, a bracket fastened to the under side of the car adjacent to the side thereof for slidingly supporting the rod with its outer end extending beyond the side of the car, said bracket having notches therein for receiving the rod to hold it in adjusted position, a second rock shaft supported from the bottom of the car and having one end bent to engage the rod and its other bent end to form a handle, the handle being adjacent the side of the car, the second shaft, when rocked, acting to release the rod from a notch in the bracket.

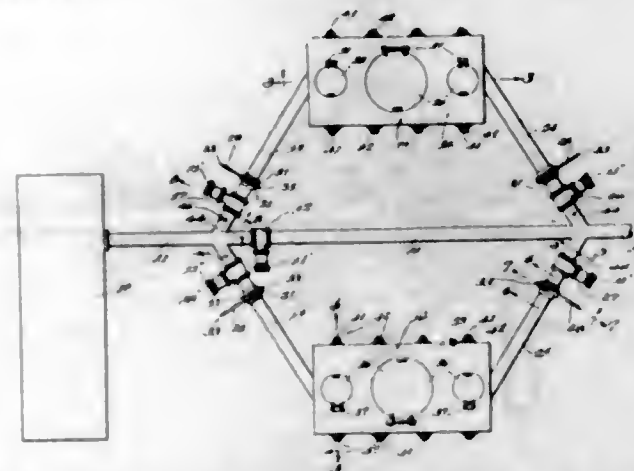
1,739,366. COMBINATION CHILD'S CHAIR. GUY A. LANG, San Dimas, Calif. Filed Jan. 7, 1926. Serial No. 79,802. 2 Claims. (Cl. 155—31.)



1. A low chair for children comprising a seat with a central opening therein, grooved cleats fitted at the opposite side edges of said seat to provide portions thereof projecting above and below the seat, a back hinged to the

rear end of the seat and adapted to be folded between the cleats, side arms hinged to the upper edges of the cleats to fold on the back, side pieces forming the legs hinged to the lower edges of the cleats to fold inward, and an end piece adapted to brace the legs apart hinged to the underside of the rear end of the seat to fold against the latter between the cleats and lie between said seat and folded legs, the end piece and side pieces or legs being cut away centrally so they will not obstruct the opening in the seat; together with cooperating catch members on the several parts for holding them extended from the seat.

1,739,367. DUST TRAP. MICHAEL LOVE, Pittsburgh, Pa. Filed Nov. 11, 1925. Serial No. 68,390. 2 Claims. (Cl. 183—34.)



2. In a device of the class described, a main conduit having pairs of branch conduits extending therefrom at spaced apart points whereby an intermediate portion is defined in said main conduit, said branch conduits extending from said main conduit at acute angles to the intermediate portion thereof, dust traps, conduits extending from said dust traps adapted to be connected to said branch conduits, valve means in said branch conduits, valve means in the intermediate portion of said main conduit, and means in said conduits leading to said dust traps adapted to be arranged such that said dust traps may be permanently closed against passage from said main conduit thereinto and therefrom at predetermined times.

1,739,368. SHEAVE BLOCK AND HEAD. VERNE MONROE, Cameron, W. Va. Filed Feb. 16, 1927. Serial No. 168,658. 1 Claim. (Cl. 254—190.)



As an article of manufacture a housing comprising a pair of plate-like sections having complementary cylinder providing segments thereon externally screw threaded, an internally screw threaded sleeve detachably assembled on said segments to hold them in cylinder relation for holding the plates in spaced assembled relation, said sleeve being longer than said cylinder formed by the segments to provide an internally screw threaded socket outwardly of the outer end of said cylinder.

1,739,369. SEPARATION OF MINERALS BY FLOTATION. FREDERICK G. MOSES, New York, RAYMOND W. HESS, Buffalo, and ROBERT L. PERKINS, East Aurora, N. Y., assignors to The Barrett Company, New York, N. Y., a Corporation of New Jersey. Filed May 20, 1927. Serial No. 193,063. 4 Claims. (Cl. 200—166.)

1. In effecting the separation of minerals, the process which comprises incorporating a pyridyl mercaptan with the mineral pulp, and subjecting the resulting mixture to a flotation operation.

1,739,370. TIRE. EDGAR S. MOULTON, St. Johns Park, Fla. Filed May 5, 1927. Serial No. 189,066. 2 Claims. (Cl. 152—10.)



1. A tire comprising a tread member, an interiorly arranged member having more resiliency than the tread member, fabric lining enclosing the interiorly arranged member, the fabric being extended to form an air chamber, a rubber lining for the air chamber, the wearing surface of the tread member being formed having a heavy portion for resisting punctures, the inner surface of the tread portion being formed having a wide flat section, the fabric portion adjacent thereto and the interiorly arranged member together with a contacting fabric portion and section of the rubber lining arranged parallel to the wide flat section thereby providing a tire-wearing surface difficult to puncture.

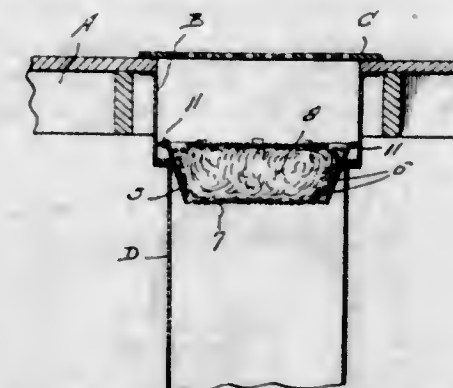
1,739,371. CHUCK. ALVAH C. PARKER, Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company, a Corporation of Ohio. Filed Feb. 21, 1925. Serial No. 10,728. 8 Claims. (Cl. 279—106.)



1. In chuck mechanism, a reciprocable sleeve, a spindle rotatable within and reciprocable with the sleeve, a chuck

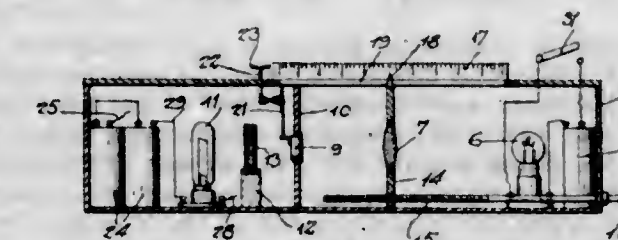
on one end of the spindle, a rod reciprocable within and rotatable with the spindle, operative connections between the rod and chuck, and a stop in position to encounter said rod when the sleeve is reciprocated.

1,739,372. AIR FILTER. PASQUALE PIRCHIO, South Bend, Ind. Filed Mar. 14, 1927. Serial No. 175,236. 1 Claim. (Cl. 183—50.)



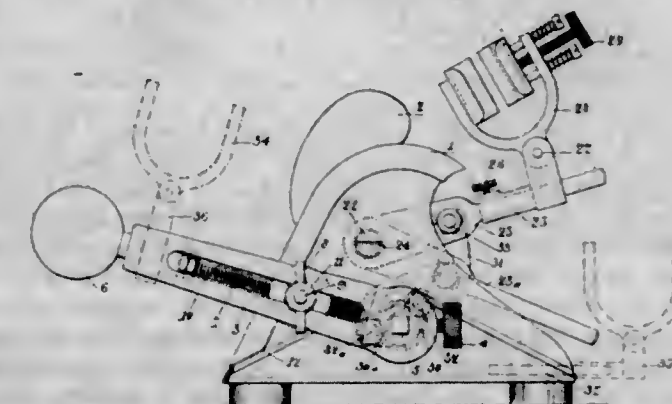
A hot air filter comprising a frustoconical perforated body, a sheet of screen material across the smaller end of the body, a wire forming a square figure having its corners secured to the edge of the larger end of the body so that the sides extend in chords thereacross, a foraminous closure of circular formation mounted in the confines of the wire and secured thereto and a mass of filtering material in the body between the sheet and the closure.

1,739,373. COLORIMETER APPARATUS. CHARLES N. RACE, Caro, Mich. Filed July 8, 1927. Serial No. 204,357. 3 Claims. (Cl. 88—14.)



1. In a colorimeter apparatus, the combination of a cell of changeable resistance under the influence of light rays, a source of light, means for interposing a translucent substance between said cell and said source of light, a source of electricity in circuit with said cell, an indicating instrument in said circuit, light focusing means including a lens adjustable toward and from the source of light between the latter and the translucent substance, and adjustment indicating means for said lens.

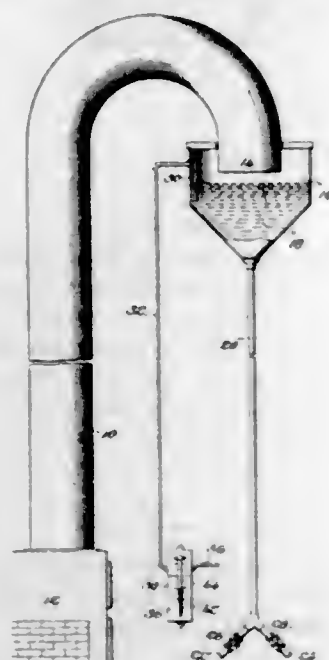
1,739,374. APPARATUS FOR EXERCISING THE FINGERS. GEORGES RETIF, deceased, Sannois, France, by Emile Gaymy, administrator, Sannois, France. Filed June 7, 1926, Serial No. 114,281, and in France June 17, 1925. 11 Claims. (Cl. 128—26.)



1. Apparatus to exercise the fingers, comprising in combination a plurality of pivoting levers, a finger gripper

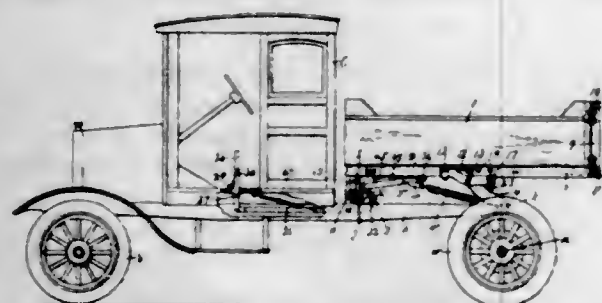
carried by each lever, each finger gripper comprising members placed opposite each other and coming in contact with opposite surfaces of the finger, means serving to lock said members adjustably against the fingers, means for imparting an alternating movement to the pivoting levers, said means consisting of a single manually controlled lever, and means to convert the oscillating movement of the control lever into oscillating movements of the pivoting levers in the opposite direction.

1,739,375. DRAFT-REGULATING SYSTEM. HERMAN C. SCHMIDT, Richmond, Va. Filed Nov. 12, 1926, Serial No. 148,018. Renewed May 16, 1929. 1 Claim. (Cl. 110-147.)



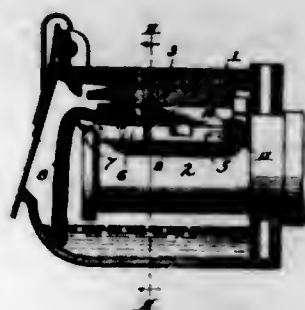
In a draft regulating system, a liquid receptacle in which a downwardly directed outlet end of a flue is adapted to be positioned, and a housing formed on the inner face of the side wall of the receptacle, said housing having its upper end closed and its lower end opened and the side wall of the receptacle having an opening therethrough communicating with the upper end of the interior of the housing whereby a liquid level gauge may be connected with said interior of the housing.

1,739,376. REAR-END DUMP BOX FOR VEHICLES. WILLIAM E. SHERWOOD, Canastota, N. Y., assignor to Eagle Wagon Works, Auburn, N. Y., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,262. 3 Claims. (Cl. 298-38.)



1. In a road vehicle, a frame, a box fulcrumed on the frame to tilt rearwardly, a toggle connecting the frame and box in front of the fulcrum of said box, means for preventing the movement of the toggle to an approximately straightened position including a latch pivoted at one end to the box at the rear of the toggle to extend forwardly from its pivot and having its front end engaged with the toggle joint and provided with means cooperating therewith for holding said toggle joint against rearward flexion when the box is tilted and thereby holding the box against returning from its tilted to its loading positions.

1,739,377. LUBRICATOR. GEORGE P. SIMMONS, Herkimer, N. Y., assignor to Horrocks Desk Company, Herkimer, N. Y., a Corporation of New York. Filed Sept. 28, 1927. Serial No. 222,597. 6 Claims. (Cl. 308-89.)



1. A brass for use in journal boxes, provided at both ends and on opposite sides with wick-supporting means adapted to receive and support between them and in contact with the journal, the end portions of a wick, the supports at the forward end of the brass projecting beyond the body thereof, whereby they are adapted to hold the intermediate depending loop of a wick beyond and clear of the journal.

1,739,378. MULTIPLE VALVE. EVERETT R. SLAGLE, Sayre, Pa., assignor to Standard Vacuum Brake Co., Camden, N. J., a Corporation of New Jersey. Filed Apr. 13, 1926. Serial No. 101,694. 14 Claims. (Cl. 303-54.)

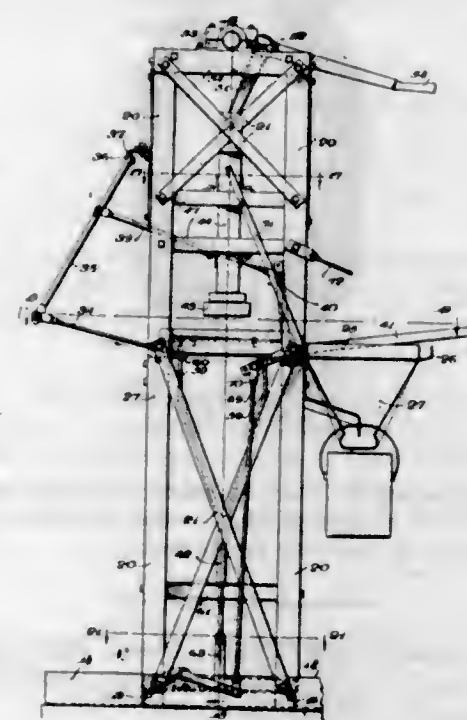


3. In a device of the character stated, a valve casing, a diaphragm therein having a port therethrough and having its outer periphery secured in said casing, the latter having ports therein leading to the atmosphere above said diaphragm, and having a lower inlet and outlet for the supply of air at atmospheric pressure or less, an application valve normally maintained seated by vacuum, said valve controlling said outlet, a release valve positioned above said application valve and controlling the ports in said diaphragm, a rotatable dome-shaped housing on the upper portion of said casing and tensioned devices intermediate said housing and release valve for actuating the latter.

1,739,379. MACHINE FOR MAKING TILE. GEORGE B. STEAD, Eugene, Ore. Filed July 19, 1927. Serial No. 206,932. 9 Claims. (Cl. 25-45.)

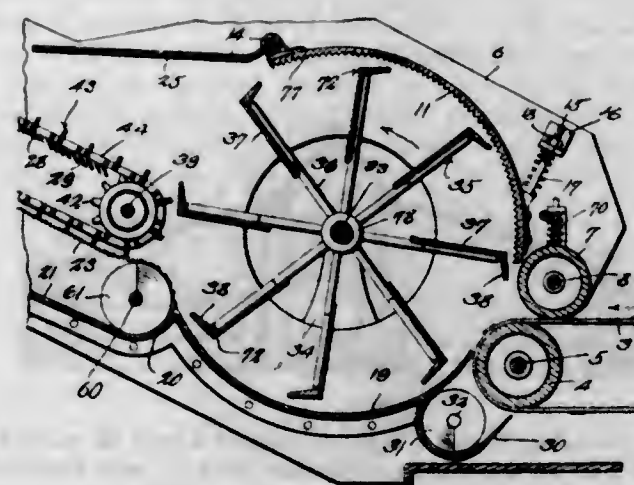
1. A machine of the character described comprising in combination, a frame, a pressure applying plunger

mounted therein for reciprocating movement and a cooperating mold support mounted thereon and guided for rectilinear movements in a plane substantially at right angles to the plane of plunger movement and from a



filling position out of line with the plunger to a pressure receiving position aligned with said plunger, and manually operable means for effecting such rectilinear movement of the mold support.

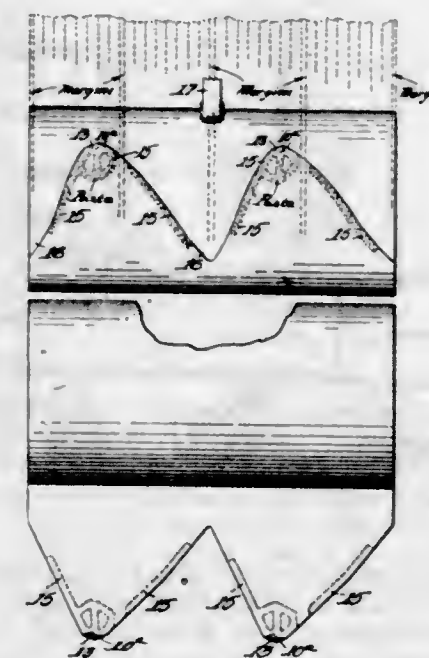
1,739,380. HEADER THRASHING ATTACHMENT. GEORGE W. WHITE, Hutchinson, Kans., assignor to J. S. Edwards, Kansas City, Mo. Filed Mar. 25, 1927. Serial No. 178,247. 4 Claims. (Cl. 130-27.)



2. In a machine of the class described, the combination of an overshot-threshing cylinder, a first screen onto which the cylinder discharges, an endless straw-carrying conveyor movable over the first screen, and a second screen below the first screen, to retain the tailings, the conveyor moving over the second screen in return motion, to return the tailings directly to the cylinder.

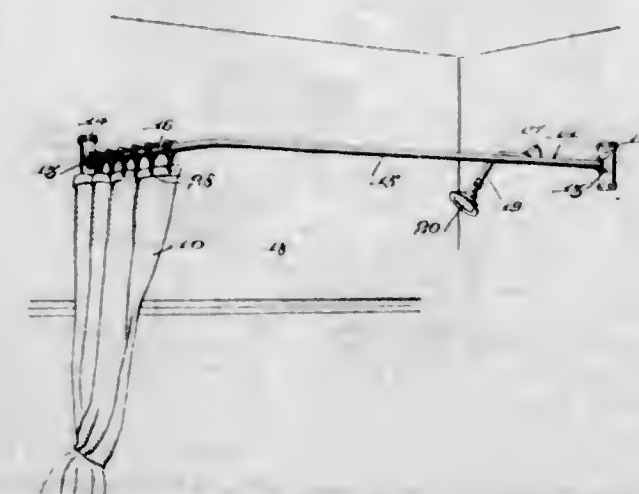
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1,739,381. METHOD OF PREPARING PAPER ROLLS FOR THE WEB CHANGE. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 27, 1927, Serial No. 215,934. Renewed May 14, 1929. 7 Claims. (Cl. 154-42.)



6. As an article of manufacture, a paper roll having the leading end of the web in the form of points, said points being turned underneath the paper in two thicknesses and temporarily secured to the surface of the roll by grease, and having paste on the opposite or outer surfaces along the edges thereof.

1,739,382. SHOWER-CURTAIN RING. LOUIS AUSTER and MARIE AUSTER, New York, N. Y. Filed July 31, 1926. Serial No. 126,175. 2 Claims. (Cl. 156-20.)

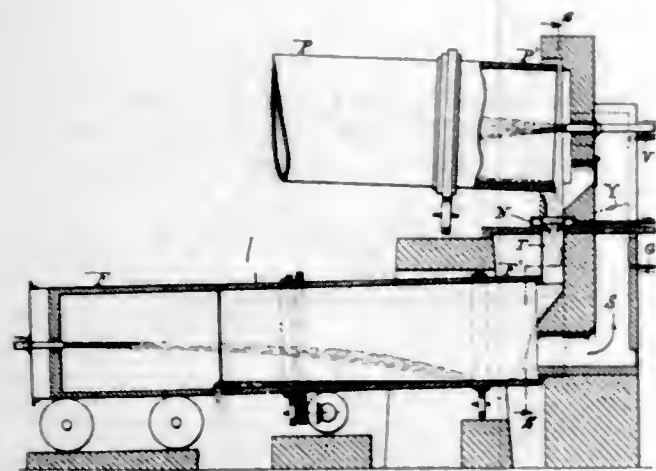


1. A ring for shower curtains comprising a pair of arms pivotally connected together at one of their adjacent ends, the opposite ends having straight portions movable into alignment with each other, said arms being curved to provide sufficient space to receive a rod, a tubular member having an axial passage adapted to receive the aligned straight portions and to aid in maintaining the straight portions in aligned positions.

1,739,383. MANUFACTURE OF CEMENTS. ANTOINE BAUCHÈRE and GABRIEL ARNOU, Paris, France. Filed Nov. 10, 1924, Serial No. 748,993, and in France Dec. 4, 1923. 3 Claims. (Cl. 222-7.)

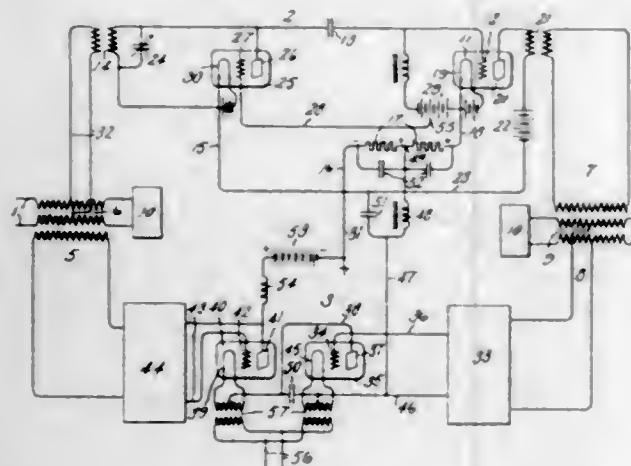
1. Apparatus for the production of used cement comprising an inclined rotary preheating furnace and fusion fur-

nace, means for heating said fusion furnace to a temperature above the fusion point of the cement materials, a conduit for passing the solid materials from the preheating furnace to the fusion furnace and means associated with said



conduit to prevent the escape of gases of combustion from said fusion furnace to said conduit, said associated means comprising a supply of fluid under pressure arranged and adapted for discharging said fluid into the said conduit in the general direction of flow of the cement materials.

1,739,384. HIGH-FREQUENCY SIGNALING SYSTEM. LESTER F. BIRD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 14, 1927. Serial No. 161,191. 14 Claims. (Cl. 179-15.)



1. In a signaling system comprising a transmitting circuit and a receiving circuit, an electron discharge device having a cathode and an anode, said cathode being connected to one side of said receiving circuit and said anode being connected to the other side of said receiving circuit, and a source of potential which is variable responsively to the intensity of the received high frequency impulses and to the functioning of said transmitting circuit for controlling the impedance between said cathode and said anode.

1,739,385. SWAB RUBBER FOR OIL WELLS. WALTER G. BISBEE and BEN P. HOFFMAN, Bristow, Okla. Filed Jan. 21, 1926. Serial No. 82,832. 3 Claims. (Cl. 74-109.)

1. In a swab rubber, a resilient body member formed with a central passage, and caps enclosing the extremities

of said body member formed with central openings adapted to register with the passage in said member, the passage



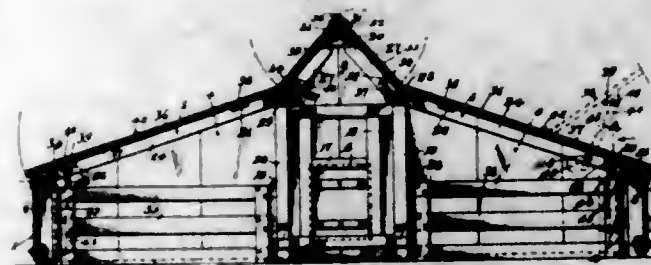
In the body member being enlarged centrally and the reduced portions of the passage being slotted to facilitate the movement of the fluid therethrough.

1,739,386. VEHICLE SPRING. HENRY STERLING CHAPIN, Truthville, N. Y. Filed Apr. 1, 1926. Serial No. 99,035. 5 Claims. (Cl. 267-50.)



1. A vehicle spring construction comprising a plurality of resilient leaves graded in length, a member secured intermediate the ends of said leaves and adapted to support said leaves, a rigid check bar secured against the outer face of the longest leaf member and longer than the shorter leaves, and means of lubrication carried by said check bar coacting with the edges of the resilient leaf members.

1,739,387. KNOCKDOWN HOG HOUSE. MAURICE COPE, Kingsley, Iowa. Filed Dec. 1, 1926. Serial No. 152,007. 3 Claims. (Cl. 119-16.)



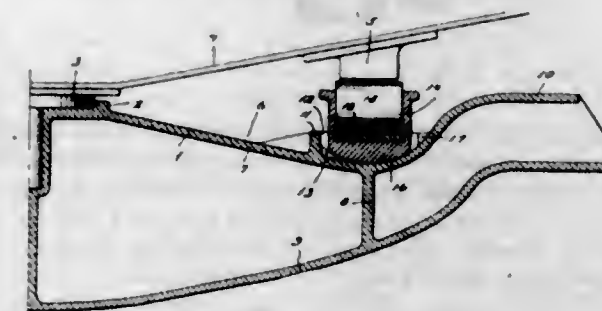
1. In a hog house, a roof formed of a pair of outer portions and an intermediate portion, each of said outer portions consisting of an upper set of stationary parallel roofing members and a lower set of shiftable roofing members, the members of said lower set hinged at their upper ends to the lower ends of the members of the upper set and forming hinged closures to permit of access to the house through the roof thereof, and said intermediate portion being of inverted V-shape and formed of a pair of oppositely extending, independently shiftable frames hinged together at their upper ends and provided with translucent panels constituting means for the entrance of light and air to the interior of the house, said roofing members disposed

lengthwise of said outer portions of the roof, and interengaging strips opposing the side edges of the roofing members of each set and further overlapping the members of each set, extending lengthwise thereof and providing closures between said members, the strips secured to the members of each of the upper sets being stationary and the strips secured to each of the members of the lower set bodily carried therewith when the lower members are shifted on their hinges.

1,739,388. GAS-PERMEABLE AND WATERPROOFING COMPOSITION. WILBUR B. DEXTER, Lakewood, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Oct. 7, 1927. Serial No. 224,776. 4 Claims. (Cl. 134-1.)

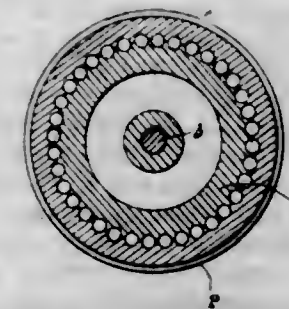
2. A sealing composition consisting of ingredients solid at ordinary temperatures and containing paraffine wax and 25% to 50% of naphthalene.

1,739,389. BOLSTER WITH SELF-EQUALIZING SIDE BEARINGS. PERCY R. DRENNING, Baltimore, Md., assignor to T. H. Symington & Son, Inc., Baltimore, Md., a Corporation of Maryland. Filed Apr. 30, 1927. Serial No. 187,838. 8 Claims. (Cl. 308-226.)



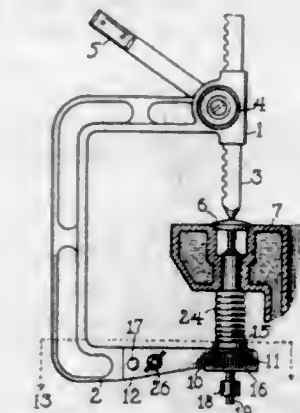
1. In combination, a body bolster having a center plate and depending side bearing elements, a truck bolster having a center bearing rotatably receiving the center plate, the truck bolster having its top continuous throughout and depressed inwardly of its ends to increase the distance between it and said side bearing elements, the top of the truck bolster being further formed with curved seats beneath said side bearing elements, carriers mounted upon said seats and having curved bottom surfaces substantially conforming thereto, and rollers retained within the carriers and coacting with said depending side bearing elements.

1,739,390. CLUTCH. WILLIAM TREAVOURS EATON, Wanganui, New Zealand, assignor of one-half to William Gambles, Wanganui, New Zealand. Filed June 18, 1926. Serial No. 116,064, and in Australia July 10, 1925. 2 Claims. (Cl. 64-99.)



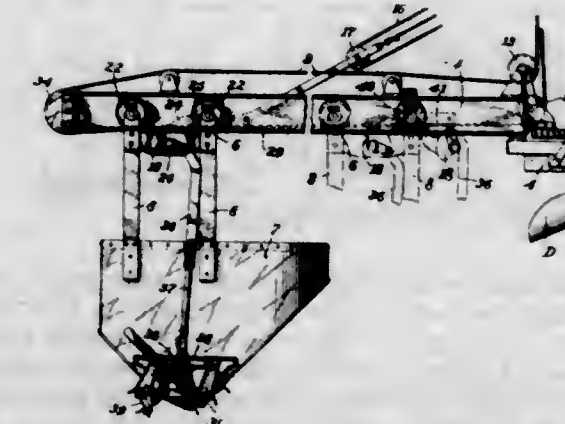
1. In a gradual take up transmission device, an outer ring-like member, a concentrically arranged inner circular member, each of said members having adjacent peripheral faces working one against the other, transverse recesses in each of said faces to form spaces into which viscous fluid is introduced, in order to resiliently lock the said members together, the inner member having formed therein a chamber from which the fluid passes, under centrifugal force, to the recesses.

1,739,391. VALVE-SPRING COMPRESSOR. ERIC E. ESSEN, Brooklyn, N. Y. Filed Apr. 6, 1927. Serial No. 181,665. 8 Claims. (Cl. 29-86.3.)



1. A valve spring compressor comprising a pair of relatively movable members, a pair of corresponding spring force means secured to one of said members having bulged sides and opposed spring seats, said sides being relatively straight from the bulged portions to their extremities, and there being projecting means upon said sides to impede the passage of springs and washers from between said members when gripped therebetween.

1,739,392. BOOM AND BUCKET FOR CONCRETE PAVERS. CHARLES E. FOOTE, Nunda, N. Y., assignor, by mesne assignments, to The Foote Company, Inc., Nunda, N. Y., a Corporation of Delaware. Filed June 15, 1926. Serial No. 118,126. 10 Claims. (Cl. 214-60.)

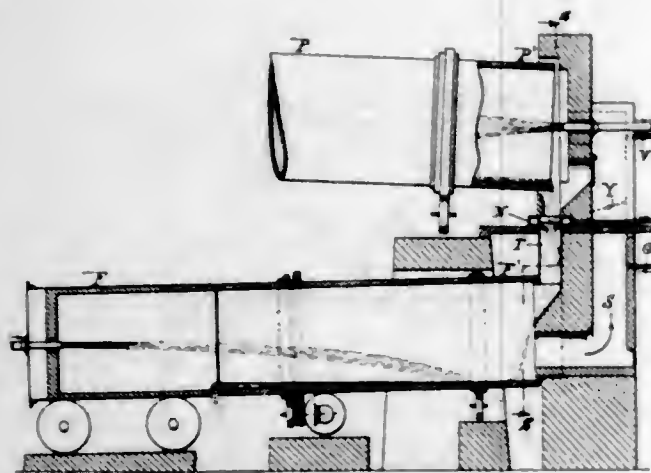


1. The combination of a boom and bucket, a trolley for supporting the bucket on the boom, a rockable sector mounted in the trolley, hinged doors on said bucket, a toggle means connecting the doors to said sector, a cable for driving the trolley and bucket along the boom, means for driving the cable, the two ends of the cable so attached to the rim of the sector that as the sector is revolved, one portion takes up and the other portion pays off, an integral arm on said sector, a stop secured near the inner end of the booms within the path of said arm so that when the said arm contacts with said stop it will force the toggle to its normal position to thereby close and lock the doors in their closed position, and the said cable when starting to move the bucket inwardly on the boom, causing the sector to rock to break the toggle to thereby open the doors of the bucket.

1,739,393. BOTTLE STOPPER. ROBERT H. HARMON, Saxtons River, Vt. Filed June 29, 1927. Serial No. 202,332. 3 Claims. (Cl. 215-18.)

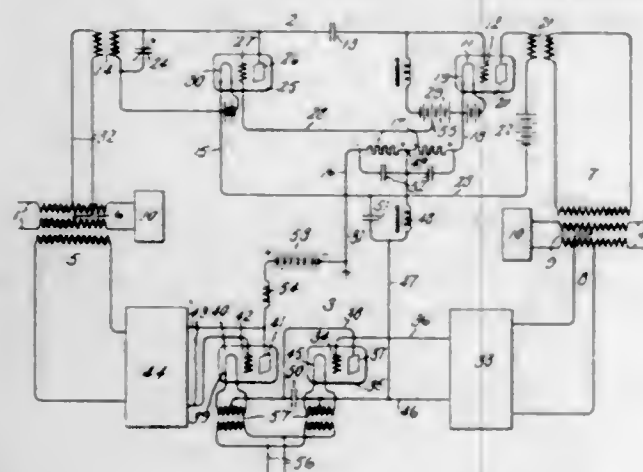
3. A stopper for non-refillable bottles comprising a main insertable elastic stopper fitting within a bottle neck and including a withdrawal preventing device, a tube fitted

nace, means for heating said fusion furnace to a temperature above the fusion point of the cement materials, a conduit for passing the solid materials from the preheating furnace to the fusion furnace and means associated with said



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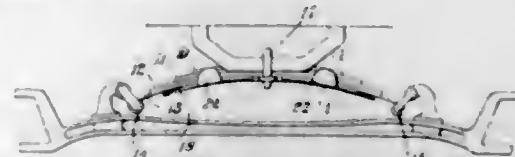
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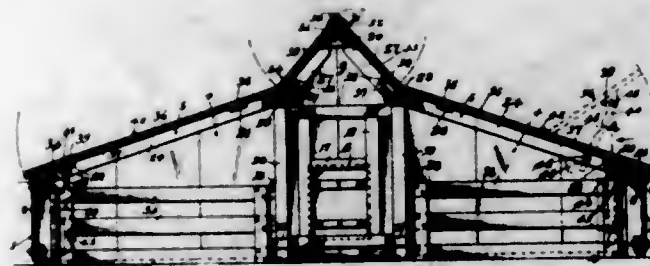
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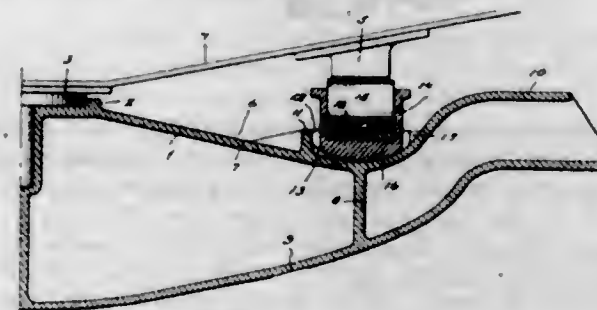
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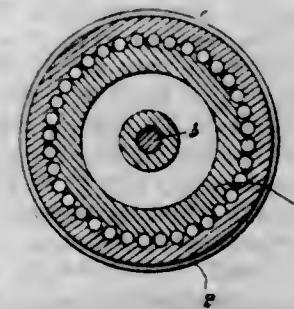
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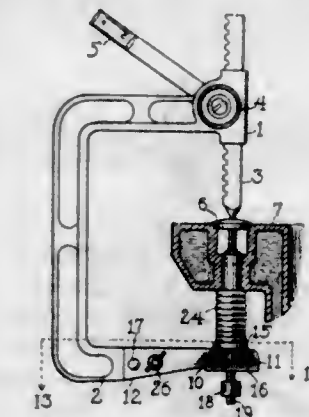
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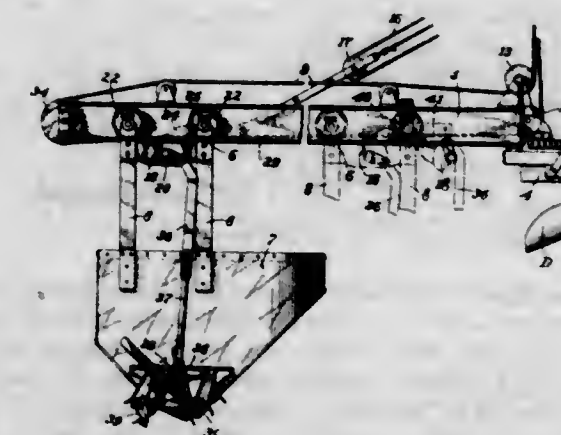
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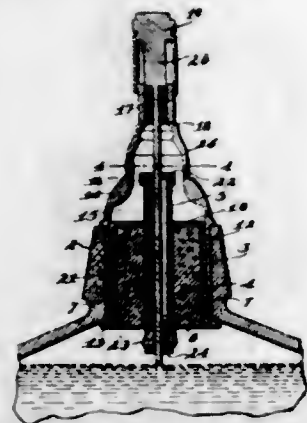


1. The combination of a boom and bucket, a trolley for supporting the bucket on the boom, a rockable sector mounted in the trolley, hinged doors on said bucket, a toggle means connecting the doors to said sector, a cable for driving the trolley and bucket along the boom, means for driving the cable, the two ends of the cable so attached to the rim of the sector that as the sector is revolved, one portion takes up and the other portion pays off, an integral arm on said sector, a stop secured near the inner end of the booms within the path of said arm so that when the said arm contacts with said stop it will force the toggle to its normal position to thereby close and lock the doors in their closed position, and the said cable when starting to move the bucket inwardly on the boom, causing the sector to rock to break the toggle to thereby open the doors of the bucket.

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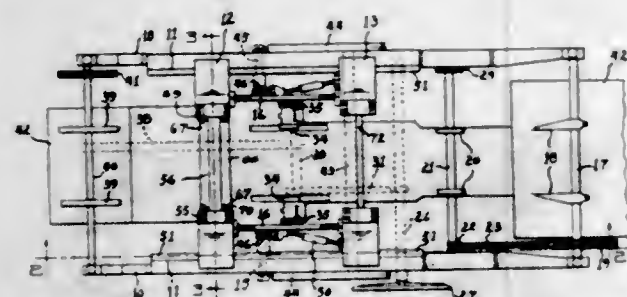
3. A stopper for non-refillable bottles comprising a main insertable elastic stopper fitting within a bottle neck and including a withdrawal preventing device, a tube fitted

In said stopper, a cap upon said stopper, said cap having discharge openings, the upper portion of said cap terminating in an interiorly threaded tube, a threaded stud coacting with said threaded tube, said stud being provided with a stem extended through said first named tube, a cap valve slidably mounted on said stem adjacent to one



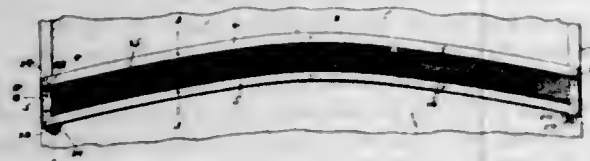
end of said tube, and a decanting stopper upon the stem adjacent to the opposite end of said tube, the length of the stem between the decanting stopper and said stud being less than the distance from seated position of the decanting stopper to the extremity of the threaded part of the tube.

1,739,394. CUTTER FOR PAPER-BAG TUBES. LOUIS H. HARTMAN, Toledo, Ohio, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a Corporation of New York. Filed July 14, 1927. Serial No. 205,627. 16 Claims. (Cl. 93-8.)



1. Apparatus for severing bag lengths from tubes, comprising means to move a tube longitudinally, a rack adjacent the path of travel of the tube, a gear adapted to run on the rack, a cutter carrier supported from the axis of the gear, means to reciprocate the carrier and gear longitudinally of the rack, a cutter mounted in the carrier, and means driven by the gear for reciprocating the cutter to sever the tube during the movement of the carrier in the direction of travel of the tube.

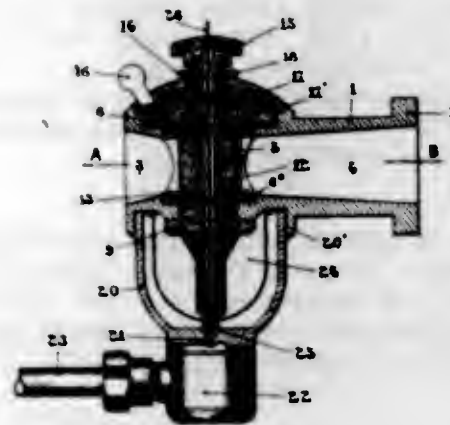
1,739,395. SCREEN FOR AUTOMOBILES. JAMES W. JELKS, Miami, Fla. Filed Sept. 23, 1927. Serial No. 221,528. 1 Claim. (Cl. 296-94.)



A screen attachment for windshields of motor vehicles comprising a frame for connection to the sides of the windshield at the lower portion thereof, coupling pins depending from the bottom of said frame at each end thereof for seating in the cowl of the vehicle, a foraminous panel secured within the frame for screening the opening formed when the windshield glass is elevated, a combined coupling and holding member secured to and projecting rearwardly from the top of the frame, a resilient sealing

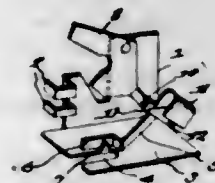
strip carried by said member for permanent contact with the windshield glass, and a resilient sealing strip depending from the bottom of the frame and positioned between said pins for permanent contact with the cowl of the vehicle.

1,739,396. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. LETH JENSEN, Paris, France. Filed May 13, 1926, Serial No. 108,896, and in France May 22, 1925. 1 Claim. (Cl. 261-63.)



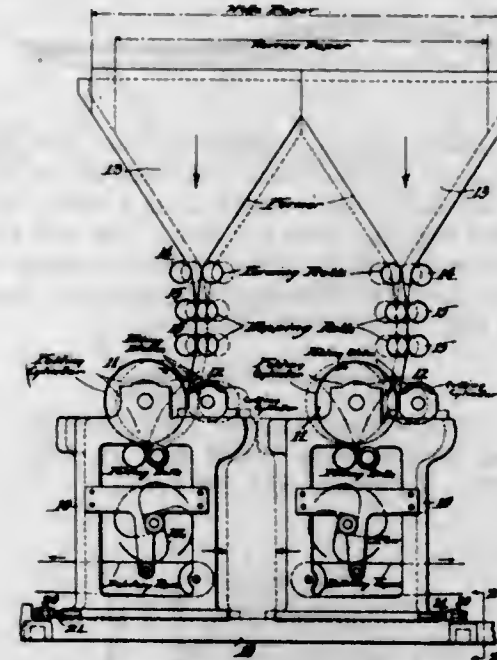
A carburetor comprising a body having a float chamber, cup-shaped submersible float in said float chamber, liquid fuel eduction means extending to a point adjacent the bottom of said float, the latter being provided with a stem extending through said liquid fuel eduction means to the exterior of the carburetor.

1,739,397. SEWING-MACHINE ATTACHMENT. MAUDE E. JOHNSON, Englewood, Colo. Filed Feb. 23, 1927. Serial No. 170,323. 1 Claim. (Cl. 112-101.)



An attachment for a sewing machine comprising an angle member adapted to be substituted for the presser foot of the machine, the foot or horizontal part of said member having a needle receiving notch therein, a forked member pivoted to the vertical part of said member and having its prongs engaged by the needle carrier of the machine, whereby the forked member will be rocked when the machine is in operation, an arm extending horizontally and outwardly from the forked member and over the foot part of the angle member, said arm having a rearwardly extending depending part which is enlarged and bent into U-shape, said U-shaped part having an eye in its inner limb at the front thereof through which yarn or the like is threaded so that rocking movement of the arm and its U-shaped part will form loops in the yarn and will place the looped portions under the needle so that they will be sewn to cloth passing through the machine, a spring member attached to the rear of the vertical part of the angle member and extending forwardly and outwardly with an offset part located adjacent the inner end of the notch and acting to force the loops toward the outer side of the foot part of the angle member, and a projection at the edge of the notch for limiting outward movement of the spring member.

1,739,398. ADJUSTABLE FOLDER UNIT. HANS C. JOEDHOY, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 7, 1926, Serial No. 120,886. Renewed Oct. 2, 1928. 4 Claims. (Cl. 270-86.)



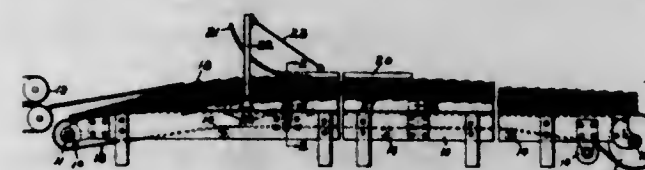
1. In a folder, the combination with the former arranged for use with either a narrow or a wide web, of a folding machine comprising a folding couple in fixed bearings on the frame of the folding unit, and means for adjusting the unit of the folding machine with the folding couple to register with the delivery from the former.

1,739,399. FRICTION CLUTCH. OSCAR C. KAYLE, Syracuse, N. Y. Filed Oct. 6, 1925. Serial No. 60,770. 3 Claims. (Cl. 192-107.)



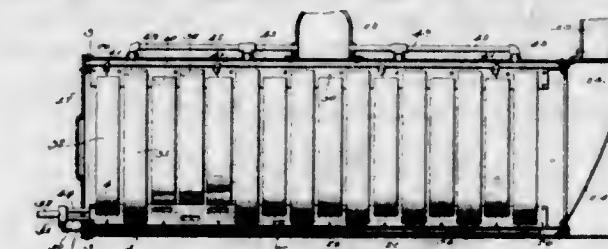
1. In a friction clutch, axially opposed co-axial relatively rotatable clutch members having their adjacent ends each provided with radially spaced concentric friction surfaces, one of said members being movable axially toward and from the other member, a floating friction ring between said members and having each of its opposite ends provided with radially spaced concentric friction surfaces for frictional engagement with the adjacent friction surfaces of said members as the axially movable member is moved toward the other member.

1,739,400. BAG CONVEYER. CARL G. KRONMILLER, Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a Corporation of New York. Filed May 7, 1927. Serial No. 189,547. 13 Claims. (Cl. 93-8.)



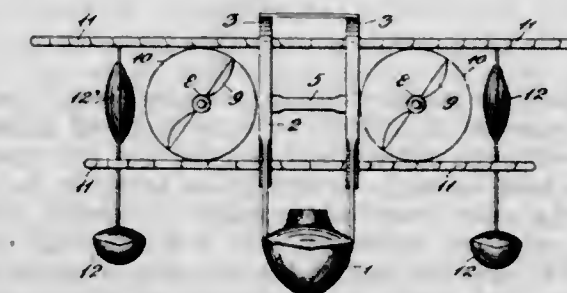
1. An off-bearing belt for lengths of flexible tubing, comprising a conveyer belt and a support beneath the receiving position of the belt, said support being arched upward along the central longitudinal line of the received length of tubing.

1,739,401. HIGH OR LOW PRESSURE FLASH BOILER. EDWARD J. LAMPORT, Chicago, Ill. Filed Jan. 27, 1927. Serial No. 164,086. 5 Claims. (Cl. 122-41.)



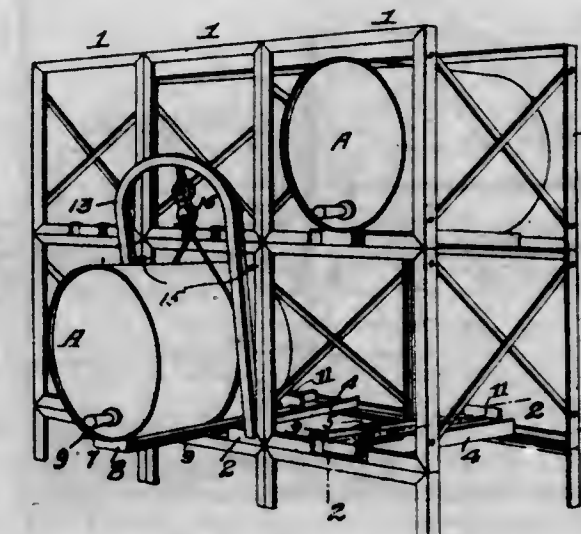
1. A boiler comprising a pair of spaced concentric shells and providing a restricted annular chamber between the shells, a perforated pipe located in the chamber, means for forcing water under pressure through the pipe whereby the water is forced into the chamber in a fine mist, the inner shell providing a heating chamber centrally of the boiler, headers located in the inner shell, hollow ribs connecting the headers and means for spraying water into one of the headers.

1,739,402. FLYING MACHINE. LAMBERTO LOMBARDI, Rome, Italy. Filed Jan. 28, 1928. Serial No. 250,291. 3 Claims. (Cl. 244-14.)



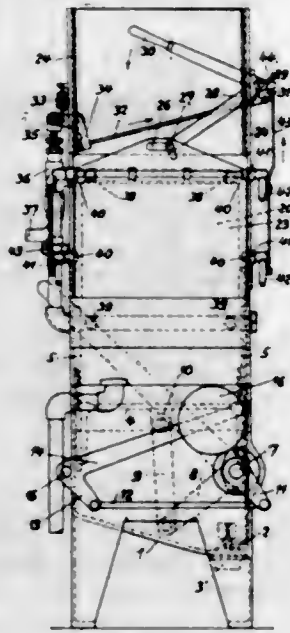
1. In a flying machine, a main body, uprights on said body, guides carried by said uprights, wheels mounted to turn in said guides, planes carried by said wheels, a shaft connecting said wheels, and propelling motors supported by the shaft outwardly of the wheels.

1,739,403. SECTIONAL OIL-BARREL RACK. GUSTAVE E. LUNDBERG, Kewanee, Ill. Filed Sept. 3, 1927. Serial No. 217,386. 3 Claims. (Cl. 248-12.)



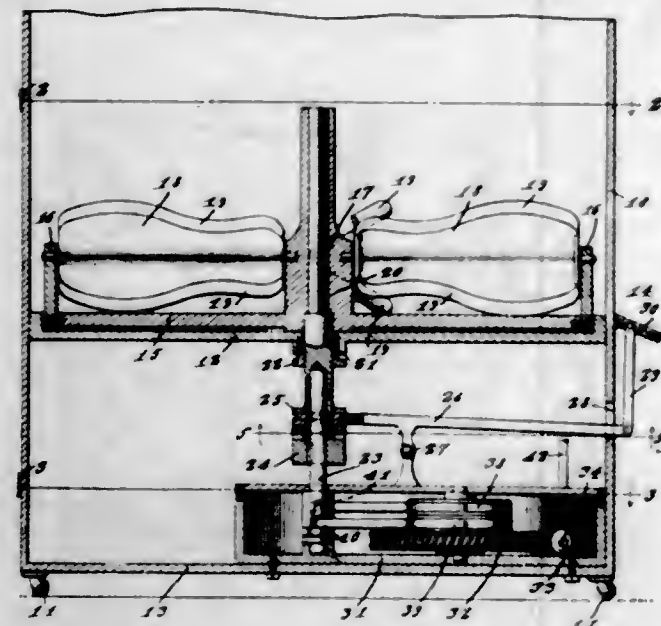
1. In a device of the class described, the combination with a frame, of a track on said frame, a slidable support on said track, said track provided with means overhanging said support for preventing displacement of the support off the track in one direction, and said support provided with means adapted to engage said overhanging means for preventing the support from being displaced off the track in another direction.

1,739,404. MACHINE ADAPTED FOR THE WASHING OF DISHES AND OTHER TABLEWARE. JOSEF LUTOLF, Lucerne, Switzerland. Filed Mar. 26, 1928. Serial No. 264,651, and in Germany Mar. 28, 1927. 1 Claim. (Cl. 141-9.)



In a washing machine of the class described, a vessel for the reception of articles to be washed and provided with a vertically movable door forming one side thereof and also with means to supply steam or water to said vessel and a valve to control the supply of steam or water, common operating means for said door and said valve arranged to open the valve when the door is closed and vice versa, and means also actuated by said common operating means to hermetically secure the door in closed position.

1,739,405. ELECTRIC WASHING MACHINE. RUTHERFORD H. MARSH, Fairview, Pa. Filed July 2, 1929. Serial No. 375,455. 5 Claims. (Cl. 259-101.)



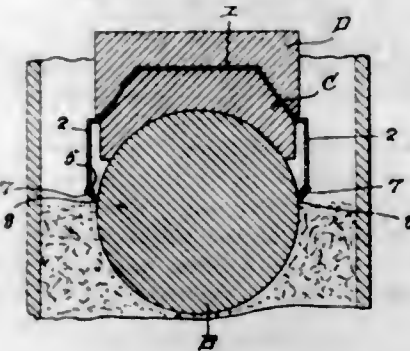
1. In a machine of the character described, a casing, a receptacle-like agitator supported therein, means for oscillating the agitator, and a plurality of horizontally disposed blades angular in cross section, freely pivoted within the receptacle and adapted to be automatically rocked incident to the oscillatory movement of the receptacle.

1,739,406. ARCH-SUPPORTING SOLE. EDWARD C. MARTIN, Hanover, Pa., assignor to Sheppard & Meyers, Inc., Hanover, Pa., a Corporation of Pennsylvania. Filed Sept. 10, 1928. Serial No. 305,065. 5 Claims. (Cl. 36-71.)



1. In an insole having a shank portion, the combination therewith of a button secured thereto, and of an arch-supporting shank member consisting of a metal and of a fibre part and having a fixed end and a free end, the fixed end being secured to the posterior end of the shank portion of the insole, and the free end lying squarely under the said button and bearing thereagainst.

1,739,407. JOURNAL-BEARING PROTECTOR. LEWIS N. MILLER, Elyria, Ohio. Filed Apr. 28, 1928. Serial No. 273,631. 2 Claims. (Cl. 308-89.)



1. The combination with a journal box, of a protector for the journal bearing thereof comprising a body formed from sheet metal and including an upper portion shaped to follow the confronting faces of the journal bearing and wedge of said box, side walls included in said body and being disposed in parallelism with respect to each other, a flange for each side wall and the flanges being disposed in converging relation, non-metallic strips secured to said flanges, and projections formed with said strips and being adapted to be disposed in contacting engagement with the axle in the journal box.

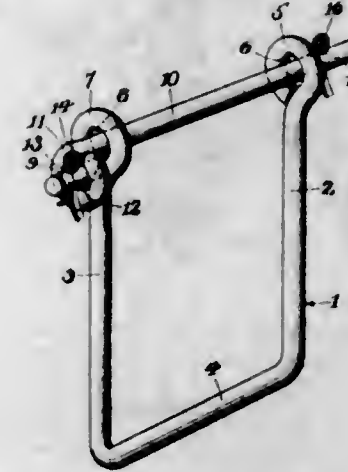
1,739,408. DEVICE FOR FLUSHING WATER-CLOSET PANS. AURELIO MARQUES MEDRANO and GABRIEL CHIOSSONE, Buenos Aires, Argentina. Filed Mar. 28, 1929. Serial No. 350,688. 5 Claims. (Cl. 4-249.)



1. An improved device for flushing water-closet pans of the type operated by a pull chain or cable, consisting

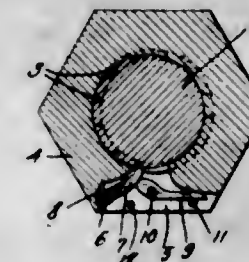
essentially of a foot operated push button, mounted in a casing embedded in the floor, and slightly protruding above the floor, which push button operates a lever which is also mounted in said casing beneath the push button and protected thereby, said lever having an arm operating within the casing so as to pull the cable which operates, directly or indirectly, the water discharge apparatus.

1,739,409. BRAKE-BEAM HANGER. GEORGE W. MILLER, Kansas City, Mo. Filed Dec. 4, 1928. Serial No. 323,691. 8 Claims. (Cl. 188-209.)



1. In a brake beam hanger, a hanger member formed with an eye and having a laterally projecting end portion in proximity to said eye, and a hanger pin for insertion through said eye and formed at one end with an offset eye for the reception therethrough of said projecting end.

1,739,410. LOCK NUT. CHARLES MURPHY, Littleton, W. Va. Filed Jan. 9, 1928. Serial No. 245,565. 1 Claim. (Cl. 151-12.)

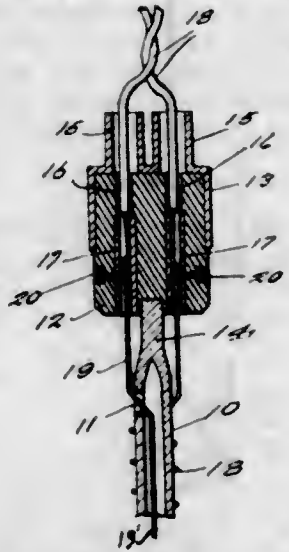


In a lock nut, a threaded bolt having recesses interrupting the threads thereof and extending longitudinally of the bolt, a nut for said bolt and being provided with a slot laterally formed therein and having rounded walls curved into the bore of the nut, a pivoted latch arranged in said slot and adapted to be received in the recesses to prevent movement of said nut on said bolt, said latch having a recess formed in its secured end, a coil spring received by the pivot of the latch and having its ends engageable with a wall of the recess of the latch and one wall of the slot to put the latch under pressure to hold it out of the recesses of the bolt, said last mentioned wall being notched to receive its end of the spring, a lever pivoted in said slot and having a cam face engageable with the latch for moving the same to its operative position in the recesses of the bolt, and a pin adapted to be arranged in any one of a pair of openings disposed through the walls of the slot and the nut for securing said lever in normal or operative position.

1,739,411. WINDSHIELD HEATER AND WIPER. STEPHEN B. MURPHY, Philadelphia, Pa. Filed Apr. 19, 1929. Serial No. 356,424. 1 Claim. (Cl. 219-19.)

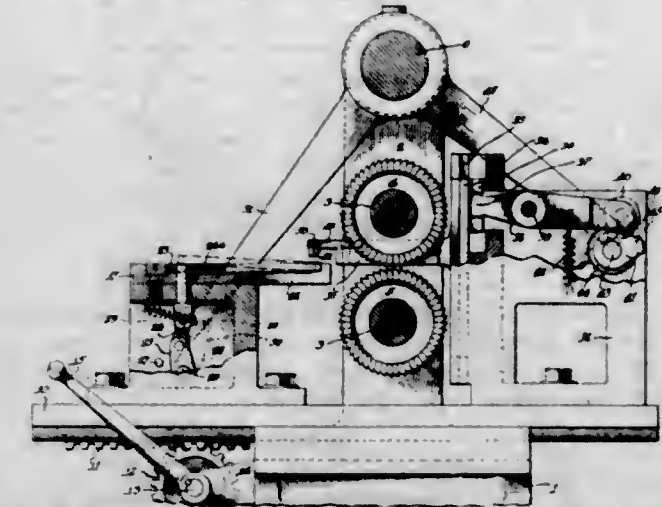
A window heater and wiper of the character described comprising a vertically disposed elongated shell of substantially U-shaped cross section, said shell closed at its lower end, an insulating block mounted in the lower end, an insulating plug in the upper end of the shell having bores extending longitudinally therethrough, means for

securing the plug in the shell, a cap on the upper portion of the plug having tubular extensions aligned with the bores, metallic sleeves in the lower portions of the bores, conductor wires extending through the extensions on the cap and into the bores of the plug from the upper end thereof, a tube of non-conducting material supported at its opposite ends in the plug and the block and extending longitudinally through the shell in spaced relation to the



walls thereof, a conducting wire convoluted on the tube and extending longitudinally therethrough and having its opposite ends extending into the bores of the plug from the lower end thereof and overlapping the first named conductor wire therein, securing screws threaded through the plug and the sleeves and extending transversely into the bores for engagement with the wires in a manner to clamp the same together for providing electrical connection therebetween and windshield wiping elements mounted on the opposite longitudinal side edges of the shell and extending forwardly therefrom for engagement with the windshield.

1,739,412. RING-CLAMPING MECHANISM FOR MILLING MACHINES. GEORGE W. OLSON, Muskegon, Mich. Filed Mar. 14, 1927. Serial No. 175,139. 4 Claims. (Cl. 90-18.)

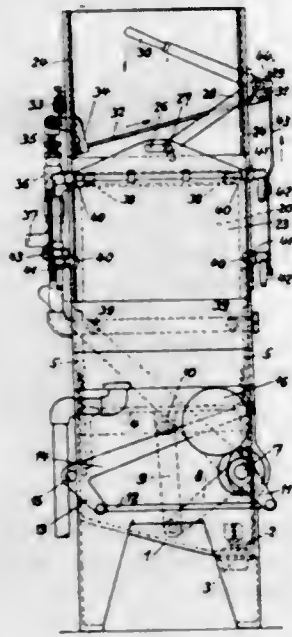


1. A milling machine embodying a reciprocable carriage, driven rotary cutters, a ring holder on said carriage adapted to have a ring seated therein and held during an operation of said cutters on said ring, movable clamping jaws having beveled work-engaging faces adapted to enter said holder and bear against the inner circumference of the ring to bind the ring in the holder, and means operable by the movement of the carriage for bringing said jaws into clamping position when said holder is at said cutters.

1,739,413. CAN OPENER. HENRY W. OTTOW, Watertown, S. Dak. Filed Nov. 26, 1927. Serial No. 235,944. 1 Claim. (Cl. 30-3.)

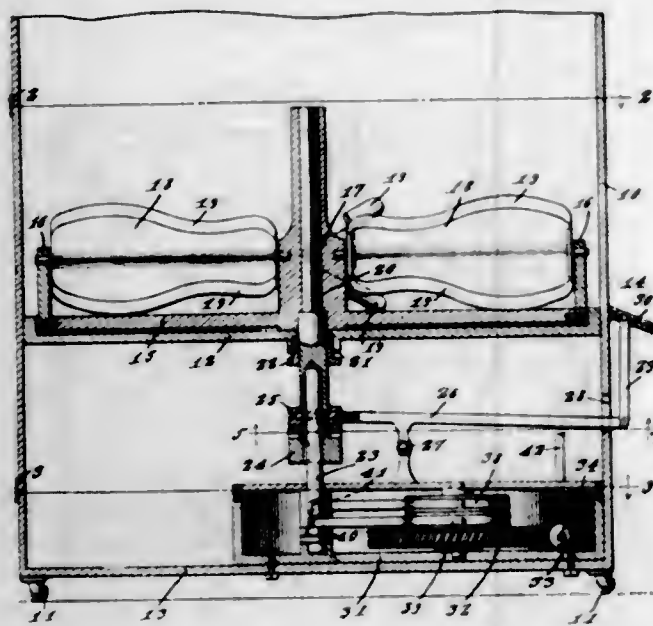
A can opener comprising a shank having a handle, the shank having attached thereto a longitudinally extending

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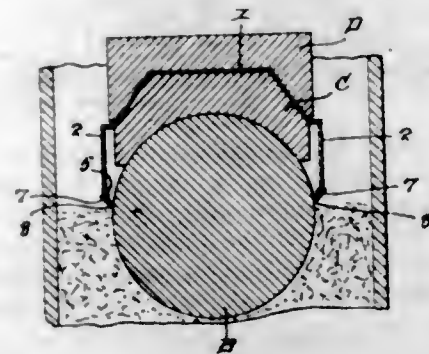
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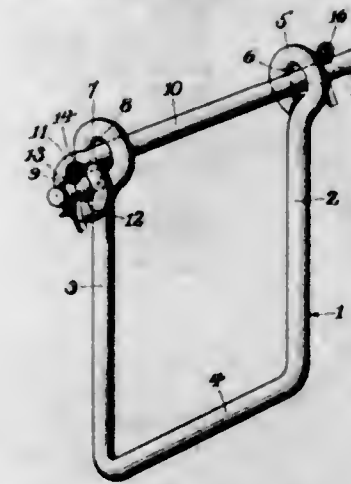
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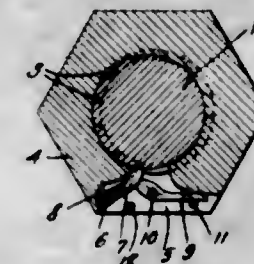
essentially of a foot operated push button, mounted in a casing embedded in the floor, and slightly protruding above the floor, which push button operates a lever which is also mounted in said casing beneath the push button and protected thereby, said lever having an arm operating within the casing so as to pull the cable which operates, directly or indirectly, the water discharge apparatus.

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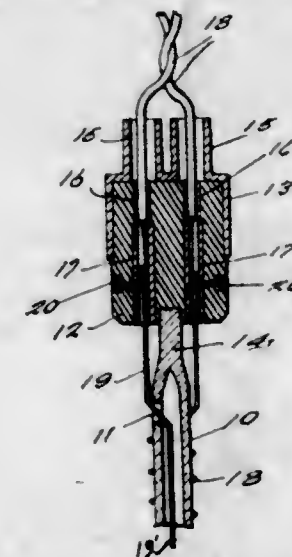


In a lock nut, a threaded bolt having recesses interrupting the threads thereof and extending longitudinally of the bolt, a nut for said bolt and being provided with a slot laterally formed therein and having rounded walls curved into the bore of the nut, a pivoted latch arranged in said slot and adapted to be received in the recesses to prevent movement of said nut on said bolt, said latch having a recess formed in its secured end, a coil spring received by the pivot of the latch and having its ends engageable with a wall of the recess of the latch and one wall of the slot to put the latch under pressure to hold it out of the recesses of the bolt, said last mentioned wall being notched to receive its end of the spring, a lever pivoted in said slot and having a cam face engageable with the latch for moving the same to its operative position in the recesses of the bolt, and a pin adapted to be arranged in any one of a pair of openings disposed through the walls of the slot and the nut for securing said lever in normal or operative position.

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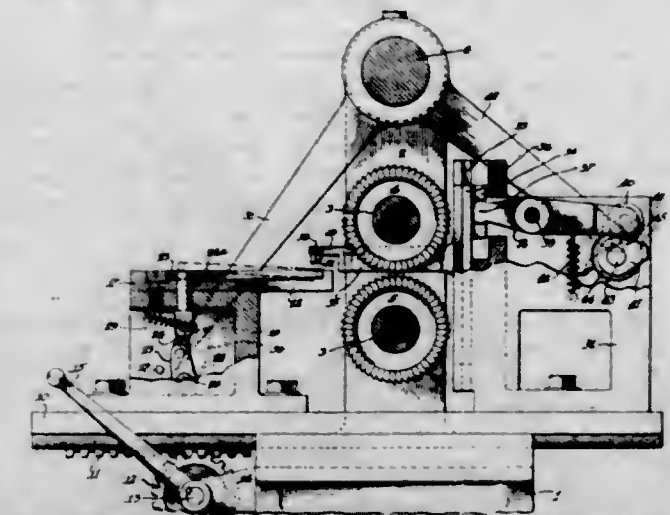
A window heater and wiper of the character described comprising a vertically disposed elongated shell of substantially U-shaped cross section, said shell closed at its lower end, an insulating block mounted in the lower end, an insulating plug in the upper end of the shell having bores extending longitudinally therethrough, means for

securing the plug in the shell, a cap on the upper portion of the plug having tubular extensions aligned with the bores, metallic sleeves in the lower portions of the bores, conductor wires extending through the extensions on the cap and into the bores of the plug from the upper end thereof, a tube of non-conducting material supported at its opposite ends in the plug and the block and extending longitudinally through the shell in spaced relation to the



walls thereof, a conducting wire convoluted on the tube and extending longitudinally therethrough and having its opposite ends extending into the bores of the plug from the lower end thereof and overlapping the first named conductor wire therein, securing screws threaded through the plug and the sleeves and extending transversely into the bores for engagement with the wires in a manner to clamp the same together for providing electrical connection therebetween and windshield wiping elements mounted on the opposite longitudinal side edges of the shell and extending forwardly therefrom for engagement with the wind shield.

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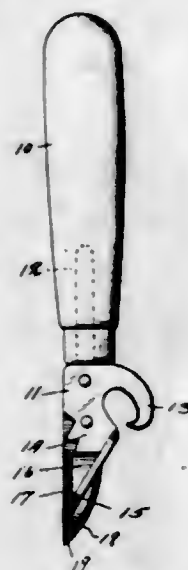


1. A milling machine embodying a reciprocable carriage, driven rotary cutters, a ring holder on said carriage adapted to have a ring seated therein and held during an operation of said cutters on said ring, movable clamping jaws having beveled work-engaging faces adapted to enter said holder and bear against the inner circumference of the ring to bind the ring in the holder, and means operable by the movement of the carriage for bringing said jaws into clamping position when said holder is at said cutters.

1,739,413. CAN OPENER. HENRY W. OTTOW, Watertown, S. Dak. Filed Nov. 26, 1927. Serial No. 235,944. 1 Claim. (Cl. 30-3.)

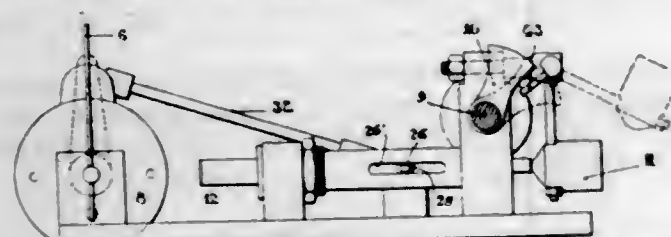
A can opener comprising a shank having a handle, the shank having attached thereto a longitudinally extending

blade having a straight edge and a curved intersecting edge, the straight edge being parallel to the longitudinal axis of the shank, the shank being formed with a straight guard extending diagonally across the blade from a point opposite the base of the curved edge to a point approximating the forward end of the straight edge and disposed in a



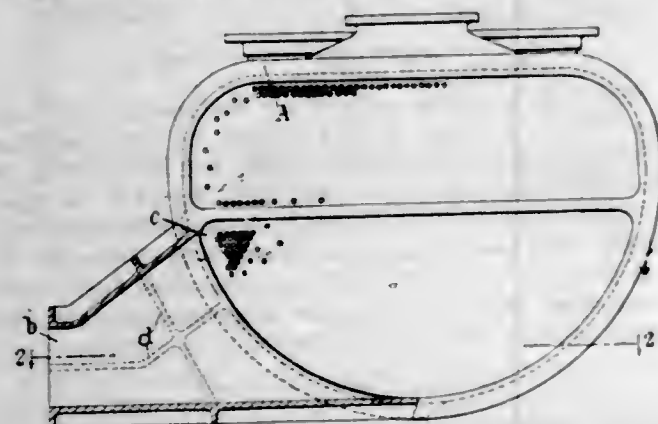
plane at right angles to the plane of the shank, the inner edge of the guard being uniformly spaced from the blade throughout its entire extent the shank having a plurality of teeth constituting a fulcrum upon which the shank may rock when the blade is inserted in the can, said teeth being disposed in a series in angular relation to the guard.

1,739,414. MACHINE FOR AUTOMATICALLY CUTTING SLATE INTO SHEETS. ARSENE PARNET, Paris, France. Filed June 10, 1926, Serial No. 115,103, and in France June 10, 1925. 14 Claims. (Cl. 125-23.)



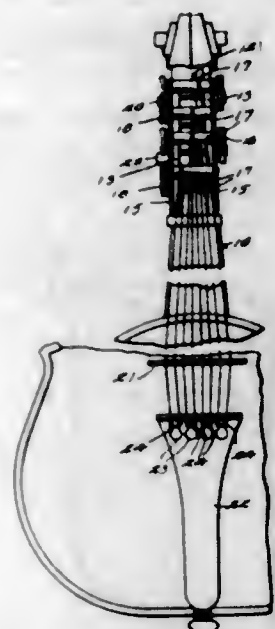
1. A machine for splitting slate comprising a rotating workpiece holder and a reciprocating chisel, the latter moving in a plane perpendicular to the axis of rotation of said workpiece holder, said holder including face plates, one of the latter being spring-pressed toward the other, and means for reciprocating said chisel.

1,739,415. SURFACE CONDENSER. CHARLES ALGERNON PARSONS, Newcastle-on-Tyne, England. Filed Feb. 10, 1928, Serial No. 253,478, and in Great Britain Mar. 18, 1927. 4 Claims. (Cl. 257-43.)



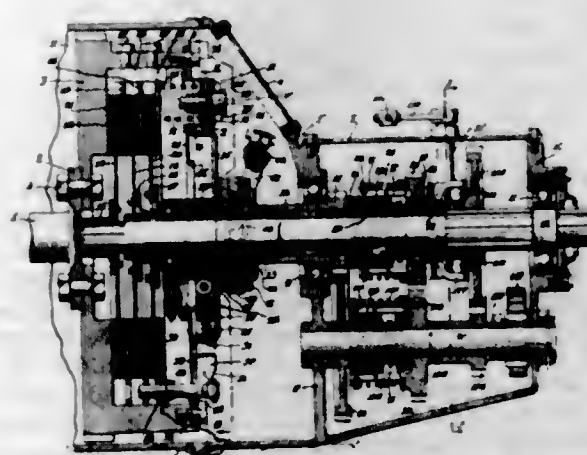
1. A surface condenser having a water-box, and means for reducing the velocity and turbulence of the circulating water immediately before its entry thereto.

1,739,416. ATTACHMENT FOR VIOLINS. GEORGE R. PETIT, Laconia, N. H. Filed Dec. 1, 1928. Serial No. 323,168. 3 Claims. (Cl. 84-304.)



1. In a violin attachment of the character described and in combination with a violin peg box having the usual peg receiving openings in its side walls, a pair of plates secured to the outer faces of said side walls and mounting an increased number of pegs, certain of said pegs being directed through the openings of the peg box walls.

1,739,417. TRANSMISSION MECHANISM. CLARENCE PULLIAM, Detroit, Mich. Filed Sept. 22, 1927. Serial No. 221,211. 9 Claims. (Cl. 74-59.)

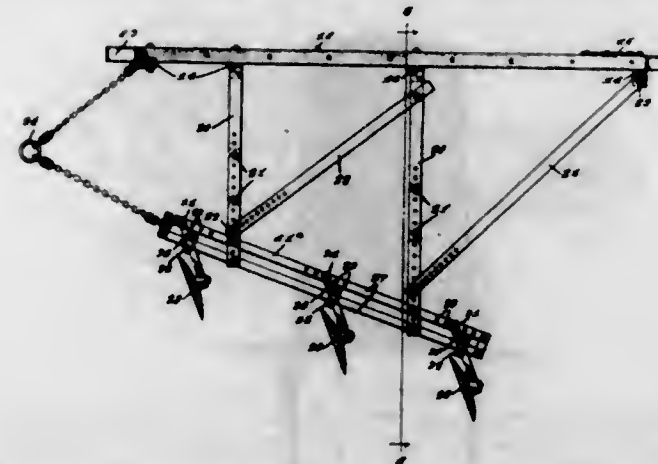


1. A clutch mechanism comprising parallel control members, a single friction member between each pair of parallel control members, a driving member fixed to said control members, shafts fixed to said friction members, a spring behind one of the outermost of said members and adapted to press the contact and friction members together, bolts secured separately to each control member, and means for selectively drawing said bolts against the action of said spring, whereby to selectively release said control members from the adjacent friction members.

1,739,418. CULTIVATOR. GUST A. RAPIS, Calexico, Calif. Filed Dec. 17, 1928. Serial No. 328,561. 3 Claims. (Cl. 55-22.)

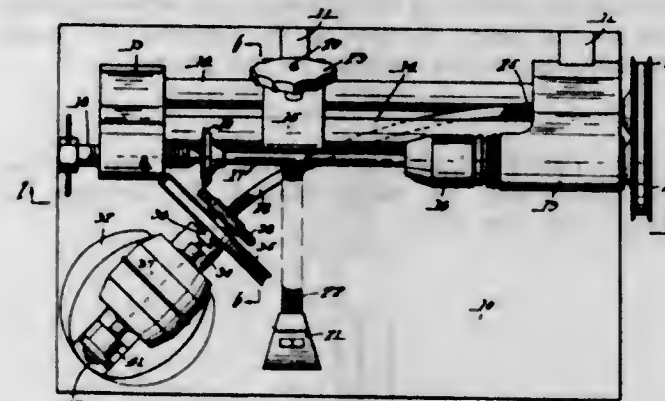
1. In an agricultural machine, a furrow guide member extending longitudinally of one side of the machine, a

relatively inclined border member disposed along the opposite side of said machine, said border member being of less height than the furrow guide member, bars having their opposite ends connected centrally of the height of said members and providing a frame, means to adjustably



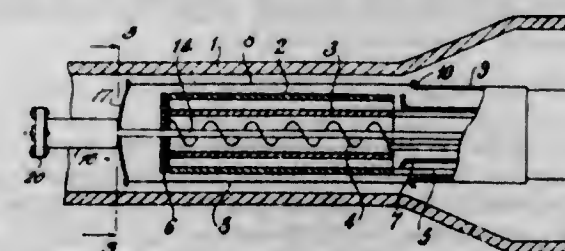
connect the inner ends of the bars relatively to regulate the width of the frame, inclined braces having their outer ends pivotally secured to the furrow member and border member and their other ends adjustably secured to the bars, and a draft gear for the machine.

1,739,419. VALVE GRINDER. JOHN L. BILLY, Indianapolis, Ind. Filed Nov. 7, 1927. Serial No. 231,464. 2 Claims. (Cl. 51-105.)



1. In a valve grinder, the combination of a standard having a recess therein, with a frame mounted in said recess and adapted to swing on a horizontal pivot carried by the standard, a shaft extending through said frame, a motor carried by the frame, a grinding wheel and a pulley on the shaft of the motor, a pulley on the first named shaft adapted to be driven by the motor shaft pulley, a head on the first named shaft having an eccentric stud thereon, and a link pivoted to said stud and to the standard at a point below it, whereby the rotation of the shaft will cause the frame to tilt about its pivot.

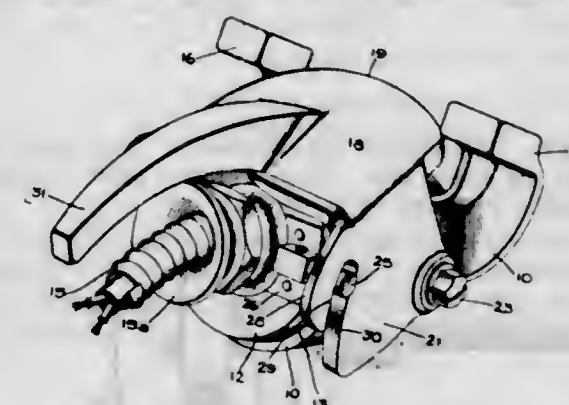
1,739,420. VACUUM TUBE. ERNEST YEOMAN ROBINSON, Manchester, England, assignor to Associated Electrical Industries Limited, a Company of Great Britain. Filed Sept. 6, 1923, Serial No. 661,826, and in Great Britain Oct. 16, 1922. 2 Claims. (Cl. 250-27.5.)



1. An electrode structure for a three-electrode vacuum electric tube embodying a cathode, a surrounding anode

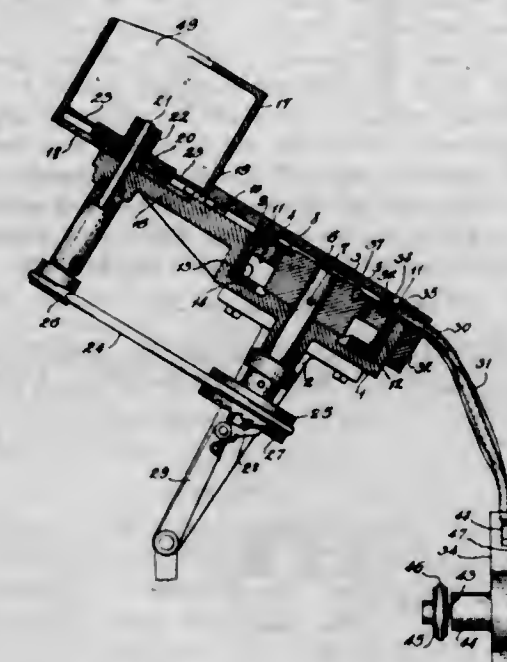
spaced therefrom, and a tubular grid comprising a plurality of substantially parallel grid wires which are straight throughout their lengths and extend longitudinally of the interspace between the cathode and anode, a central metal supporting member, and a plurality of plate springs radiating from said central supporting member in a plane substantially at right angles to the lengths of the grid wires, each spring having all portions thereof transverse to the grid wires and being connected to not more than two grid wires and acting on such wires to place them in tension and to support them so that they will be free for longitudinal movement while preventing lateral displacement thereof in the interspace between the cathode and anode.

1,739,421. ELECTRIC-TRAIN-LINE COUPLING. ARTHUR C. SAVAGE, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed Dec. 26, 1928. Serial No. 328,465. 7 Claims. (Cl. 173-332.)



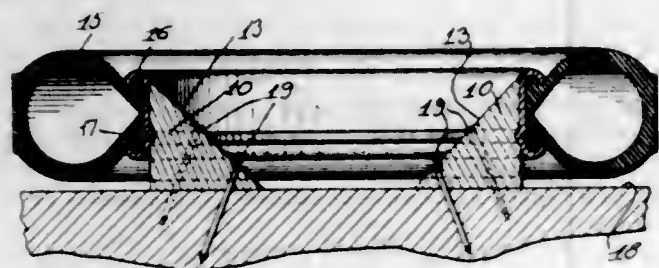
1. In a connecting device, the combination with a plug and a socket adapted to receive said plug, of a movable cover for said socket, and means associated with said cover for forcing said plug out of engagement with said socket upon a predetermined movement of the cover.

1,739,422. FEEDER FOR CUP-SHAPED BODIES. ALFRED SCHMIDT, Weehawken, N. J. Filed Feb. 3, 1927. Serial No. 165,746. 22 Claims. (Cl. 113-114.)



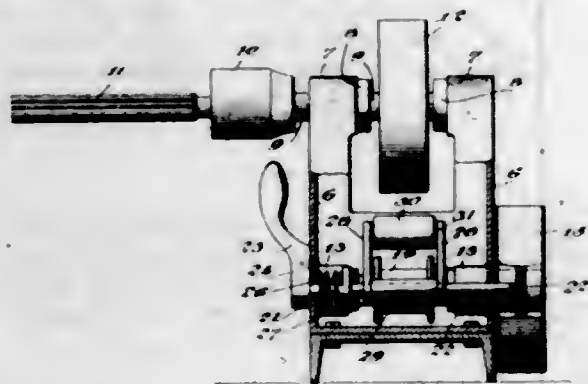
1. In a machine for feeding individual concavo-convex articles such as caps in similar relation from a heterogeneously arranged mass, means for advancing a file of heterogeneously placed articles in normal or inverted position, means to deflect the normally positioned articles from the advancing means, means moving with the advancing means to lift the inverted articles to a higher level, and means to discharge them at such level.

1,739,423. SHIPPING BLOCK FOR AUTOMOBILE TIRES AND RIMS. FAY L. SEELEY, Detroit, Mich., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Filed Apr. 10, 1929. Serial No. 354,045. 4 Claims. (Cl. 280-179.)



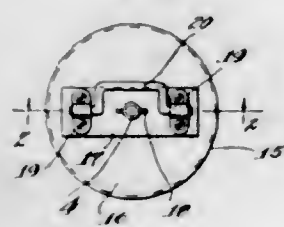
1. Means for supporting an assembled tire and rim in spaced relation to and parallel with a support including the wall or floor of a car comprising in combination with a rim, a plurality of independent supporting blocks engaged with the rim and anchored to the support with the side of the tire spaced from the support.

1,739,424. REAMING MACHINE. HAROLD TONKIN SNELL, El Paso, Tex. Filed Oct. 20, 1926. Serial No. 142,959. 1 Claim. (Cl. 64-5.)



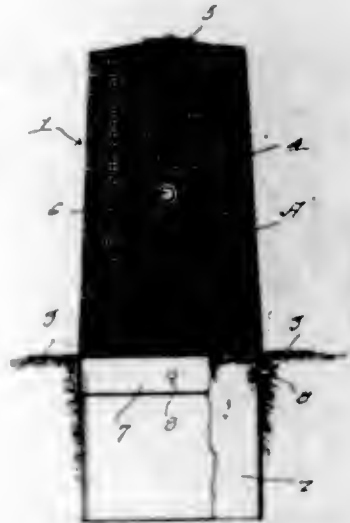
In combination a support having a plurality of spaced openings, a shaft rotatably supported in the support and capable of longitudinal movement, a laterally extending arm carried by the shaft, a belt tightening roller carried thereby and engageable with a belt to be tightened, a handle on one end of the shaft, a laterally projecting pin carried thereby and engageable in any one of the openings to retain the shaft in selected positions about its axis, and a coil spring engaging the shaft to normally urge the latter to a position to hold the pin in one of the openings and lock the shaft in selected position, the handle being shiftable laterally against the action of the coil spring to disengage the pin from the openings when it is desired to adjust the shaft to regulate the tension in the belt.

1,739,425. LUNCH KIT. JOHN STEFAN, Detroit, Mich. Filed Oct. 25, 1928. Serial No. 314,887. 4 Claims. (Cl. 206-4.)



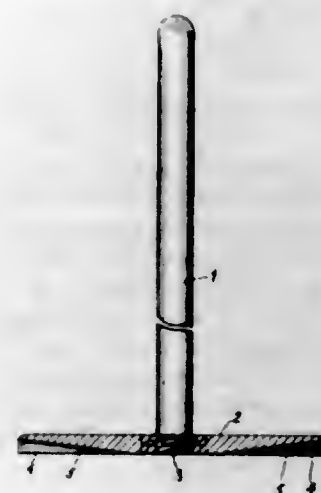
1. In a lunch kit, a circular base having a flanged edge, a cylindrical cover member seating on said flanged edge, a standard secured to the center of the base plate and extending upwardly therefrom, the cover member being provided with an aperture in the top through which the standard extends, a nut threaded onto the extending end of the standard, a carrying handle secured to the cover and a series of shelves adjustably mounted on the standard and rotatable in relation thereto.

1,739,426. PLANT PROTECTOR. JULIUS A. STRIPLING, Fort Dodge, Iowa. Filed Mar. 30, 1928. Serial No. 265,831. 2 Claims. (Cl. 47-31.)



1. A plant protector comprising an open ended cylinder adapted to be anchored in the ground around the plant, a perforated body open at its lower end and closed at its upper end for disposition around the plant, the lower open end of the perforated body encircling the upper portion of the cylinder, a band extending around the lower edge portion of the perforated body and being secured to the adjacent portion of the cylinder, and offset brackets secured to the upper portion of the cylinder for limiting the insertion of the cylinder in the ground.

1,739,427. CHURN DASHER. JAMES E. SUMRALL, Hico, Tex. Filed Feb. 11, 1929. Serial No. 339,090. 1 Claim. (Cl. 259-124.)

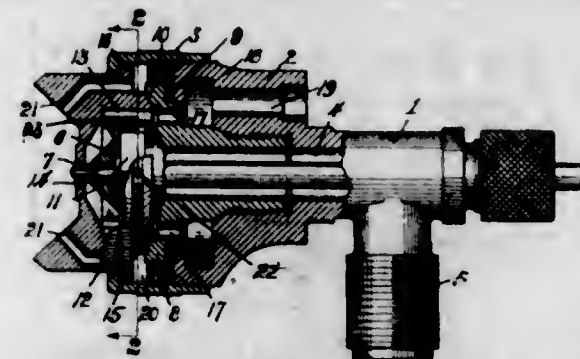


A dasher of the reciprocatory class having its blades or paddles formed with recesses in their under faces, the recesses extending from a point adjacent the inner end of each paddle through the outer end thereof, said recesses forming channels, with their upper walls sloping upwardly and outwardly.

1,739,428. SPRAY HEAD. ROBERT W. TRACY, Toledo, Ohio, assignor to The DeVilbiss Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 27, 1928. Serial No. 249,814. 4 Claims. (Cl. 91-45.)

1. In a spray-head of the class described, inner and outer nozzles mounted for relative rotary adjustment and the outer nozzle having supplemental air discharge pas-

sages, the nozzles being of different sizes to provide a space therebetween in communication with a source of air pressure supply, means cooperating with the outer nozzle to form a second space in communication with said



discharge passages, said spaces having restricted communication of predetermined area with each other, and means in said first space operable by a relative turning of the nozzles to effect an opening or closing of said restricted communication.

1,739,429. WINDOW SCREEN. JAMES WATSON, Marinette, Wis. Filed May 23, 1927. Serial No. 193,550. 1 Claim. (Cl. 156-14.)

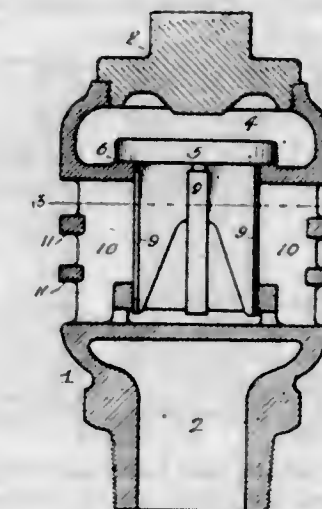


In a device of the class described, a window frame provided at each side with stiles having guide grooves, each groove having a transverse extension, a screen slidable vertically in the grooves and including a transverse flange which is long enough so that both of its ends can engage with the exposed surfaces of the stiles at both sides of the window frame to prevent the screen from moving horizontally in the grooves and disengaging the vertical edges of the closure from the grooves, each end of the flange being so shaped as to be received in the aforesaid extension, thereby to permit a horizontal movement of the screen in the frame and a disengagement of the vertical edges of the screen from the grooves, the grooves and the extension being extended but part way through the stiles.

1,739,430. RELIEF VALVE. WALTER O. WEBSTER, Westmont, N. J. Filed Jan. 5, 1928. Serial No. 244,098. 2 Claims. (Cl. 121-134.)

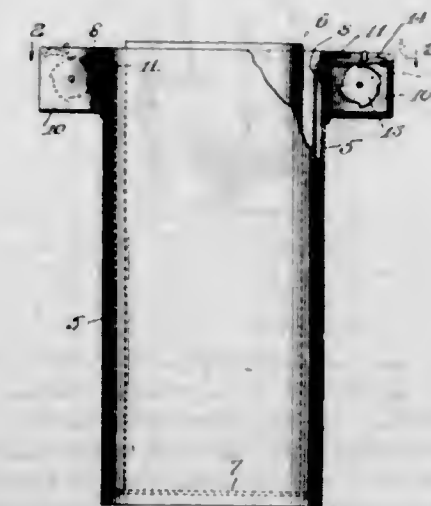
1. The combination in a relief valve, of a casing having inner and outer walls forming a main steam space and segmental steam spaces between said walls; an upper steam space communicating with the segmental steam spaces; a cap for the casing; a valve located in the upper steam space and having guiding wings located within the

inner walls of the casing; and segmental openings communicating with the space under the valve so that when a



partial vacuum is formed in the steam passages of the casing the air under atmospheric pressure will raise the valve off its seat.

1,739,431. APPARATUS FOR DISPENSING ICE CREAM. WILLIAM R. WILLAUER, Spartanburg, S. C. Filed Apr. 4, 1928. Serial No. 267,466. 1 Claim. (Cl. 220-93.)

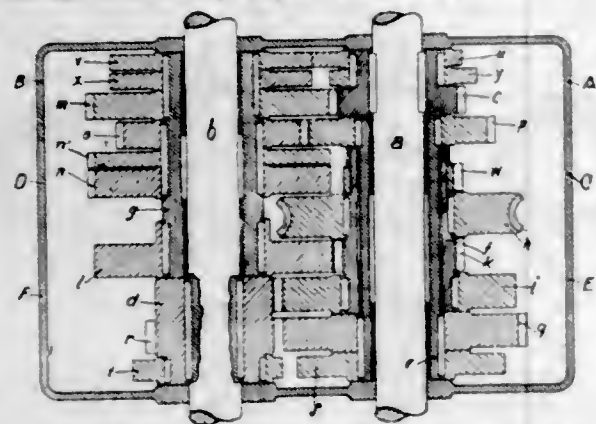


In combination with a refrigerator receptacle, a support mounted therein adapted to support an ice-cream container, cables attached to said support extending to the upper part of said vessel, spring-drum means connected to the upper ends of the cables adapted to normally raise the platform carrying the ice-cream container, and manually-controlled ratchet means for permitting the supporting plate to be depressed into the receptacle and automatically preventing the lifting of the plate, for the purpose set forth.

1,739,432. AUTOMATIC DRIVE FOR OPENING AND CLOSING MOLD BOXES AND METAL-CONTROLLING ORGANS IN MACHINES FOR CASTING STEREO-PLATES. CARL WINKLER, Bern, Switzerland. Filed May 10, 1928, Serial No. 276,764, and in Germany May 21, 1927. 3 Claims. (Cl. 22-3.)

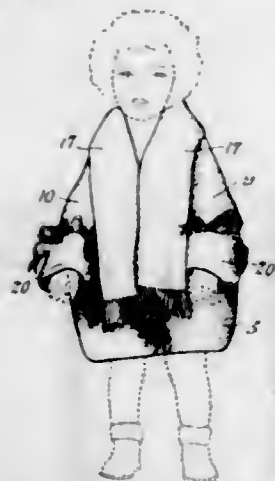
1. An automatic drive for opening and closing the mold box and metal controlling organ in machines for casting stereo-plates, comprising in combination, a continuously rotating part, a shaft to operate the mold box, a shaft to operate the metal controlling organ, gearing to turn the shaft serving to operate the mold box to close said mold, a hollow shaft surrounding the shaft serving to operate the mold box and adapted to be turned by said continuously rotating part both quickly and slowly, means en-

abling said hollow shaft, when moving quickly, to turn the shaft for operating the metal controlling organ, a second hollow shaft surrounding the shaft for operating said metal controlling organ and adapted to be driven



by said first hollow shaft, and means enabling said second hollow shaft to turn said shaft for operating the mold to open said mold, substantially as, and for the purpose, set forth.

1,739,433. SHAWL COAT. HELEN B. YOUNG, New York, N. Y. Filed Nov. 6, 1928. Serial No. 317,570. 3 Claims. (Cl. 2-88.)



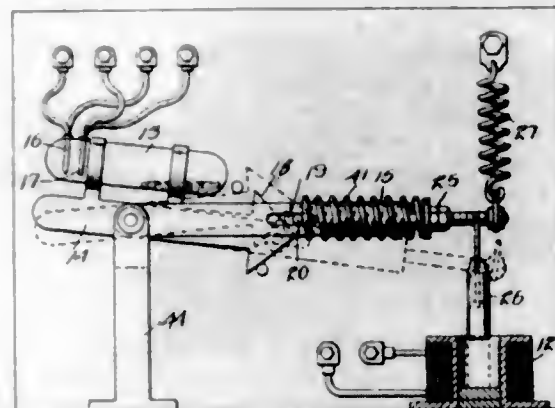
1. A shawl coat, comprising a body structure formed from a single shawl folded to present a looped formation slightly to one side of the center of the shawl and also to present a fold at one edge, said last-mentioned fold forming a scarf, lines of stitching coacting with the first-mentioned fold for causing part of the first-mentioned fold to form sleeves, a member arranged interiorly of the garment for supporting the first-mentioned fold, and disengageable fastening means for connecting opposite ends of the garment together when the garment is in use.

1,739,434. CAP OR STOPPER FOR BOTTLES, CANISTERS, JARS, AND THE LIKE. WALTER FRANCIS YOUNG, Surrey, England. Filed Apr. 6, 1929, Serial No. 353,075, and in Great Britain Apr. 11, 1928. 4 Claims. (Cl. 215-7.)



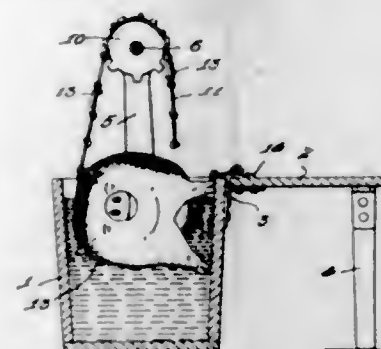
1. A jar provided with a lug upon the neck thereof, a stopper provided with a lug to engage the neck lug, a shoulder at one end of the neck lug, and a tongue extending in a circumferential direction around and partly cut out of the stopper to provide an end to abut against the said shoulder

1,739,435. SWITCH. FRANK R. ZUMBRO and FRANCIS SHENTON, Waynesboro, Pa., assignors to Frick Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed Apr. 24, 1928. Serial No. 272,497. 3 Claims. (Cl. 200-112.)



1. A snap switch comprising a bar pivotally supported at one end and having its opposite end resiliently supported and connected with the core of an electromagnet, said bar having its pivotally mounted end bifurcated, a roller resiliently supported in the bifurcation of said bar, a spring engaging said roller, an arm pivotally mounted on the same support as the pivoted end of said bar and having upper and lower cam faces at one end engaging said roller, a mercury tube supported on said arm and having contacts at one end thereof, said roller being adapted to ride from one face over the apex and onto the other cam face of said bar and operate said switch with a snap action upon the energizing or deenergizing of the electromagnet, substantially as set forth.

1,739,436. HOG SCALDER. WILLIAM BECHER, Jr., Youngstown, N. Dak. Filed Apr. 18, 1928. Serial No. 270,970. 2 Claims. (Cl. 17-15.)

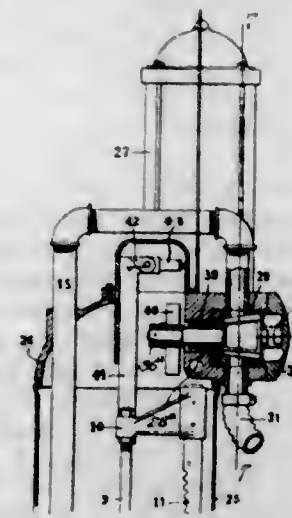


1. A device of the class described comprising a tank, uprights connected with the ends of the tank, a shaft journaled in the uprights, a handle on the shaft, sprocket wheels on the shaft, endless chains passing over the wheels and depending into the tank for supporting a hog in the tank and for turning the hog when the shaft is turned, a table hingedly connected with one side of the tank, foldable legs on the outer edge of the table and hooks on the table for receiving a link of each chain after said link has been detached from the adjacent link to cause the chains to pull the hog from the tank and roll it upon the table when the shaft is turned.

1,739,437. DISTRIBUTING DEVICE FOR LIQUIDS. HENRI BOUTILLON, Suresnes, France. Filed Mar. 31, 1924, Serial No. 703,238, and in France June 13, 1923. 6 Claims. (Cl. 221-99.)

1. An apparatus for the distribution of liquids in predetermined quantities comprising a frame, a conduit for the admission of the liquid at the lower part of the frame, a sucking pump barrel connected with the conduit, a delivery pipe at the upper end of the pump barrel, means

for actuating the pump, measuring reservoirs at the upper part of the frame, a distributing conduit, an overflow tube in each reservoir limiting the filling of the reservoirs, a member supporting the reservoirs and having passages communicating with the reservoirs, the distributing con-



duit and the delivery pipe, a valve in the member alternately permitting the delivery of the liquid to the reservoirs and alternately permitting emptying of the reservoirs, and means for actuating the valve from the pump actuating means.

1,739,438. PORTABLE GREASE DISPENSER. CLYDE G. BUTLER, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 7, 1928. Serial No. 268,357. 1 Claim. (Cl. 221-47.3.)

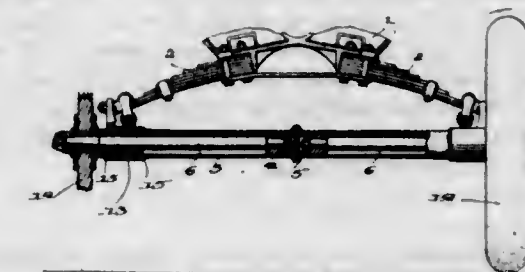


A lubricant discharging device, comprising, a shell, a closure for one end of said shell, a collar upon the other end of said shell, tie rods securing said closure said shell and said collar together, and a closing member supporting a pressure pump, said member detachably secured over said collar so that the device can be filled with lubricant when said member is removed and the pump can expel lubricant under pressure when said member is attached.

1,739,439. AXLE BEARING. WILLIAM L. CHAMPION, Muskogee, Okla., assignor to Muskogee Iron Works, a Corporation of Oklahoma. Filed Aug. 2, 1928. Serial No. 296,925. 1 Claim. (Cl. 301-126.)

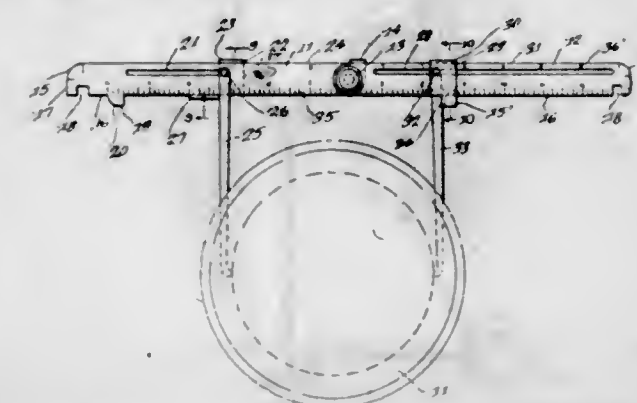
In a vehicle of the character described, the combination of an axle housing, axle mounted therein, a bearing block slidably fitted into the axle housing and receiving

and supporting the inner ends of the axles, said bearing block having a transverse opening therein for gaining access to the inner ends of the axles, means located in



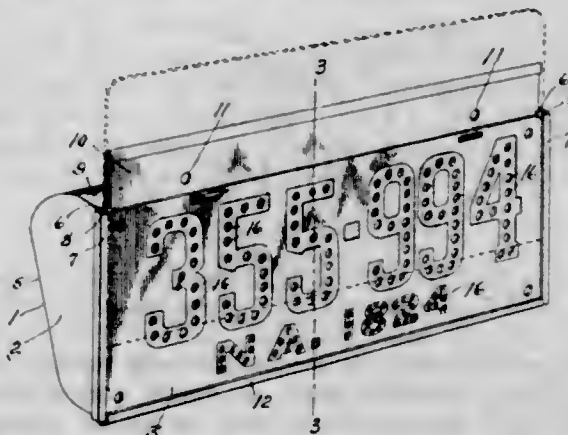
said transverse opening for securing the axles in the bearing block, and a bolt for holding the bearing block in proper position within the housing.

1,739,440. COMBINATION TOOL. ALBERT I. CILISKE, Chicago, Ill. Filed Jan. 5, 1927. Serial No. 159,201. 3 Claims. (Cl. 33-193.)



2. In a combination tool, two rule members pivotally connected together for folding upon themselves, means for limiting pivoted movement of the rule members for positioning the rule members in substantial alignment with respect to each other, said rule members having corresponding corners curved for journal fillet gaging and having notches formed in opposite end portions for journal collar gaging, a lateral flinger formed on one of the rule members and having a curved edge for journal fillet gaging, a pair of cooperating caliper legs, means pivotally and slidably connecting the caliper legs to the rule members, and means limiting the pivotal movement of the caliper legs relative to the rule members and positioning the caliper legs substantially at right angles with respect to the rule members.

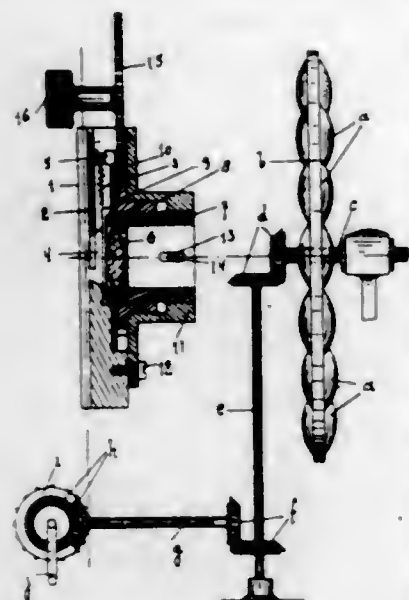
1,739,441. AUTOMOBILE LICENSE PLATE AND AUTOMOBILE LICENSE-PLATE HOLDER. CHARLES H. CLARK, Jefferson City, Mo. Filed Nov. 16, 1928. Serial No. 319,829. 1 Claim. (Cl. 40-133.)



A holder for a license plate comprising end members relatively wide near their upper ends and narrow at their lower ends having their front edges straight and provided

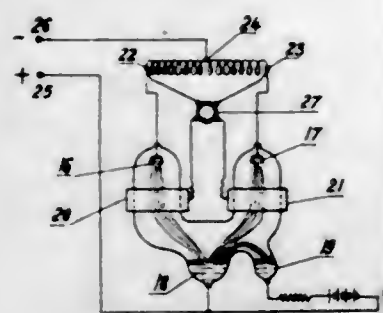
with ways adapted to receive the side edges of a license plate and having their rear edges curved, and a back plate member having its inner face adapted to serve as a reflector secured to the curved rear edges of the end members and having its lower end adapted to support the lower edge of the license plate and having its upper portion bent forward to near the plane of the front edges of the end members to form a support for an electric light socket and then bent upward to provide means for securing the holder in position.

1,739,442. CORRECTING DEVICE FOR CINEMATOGRAPHS WITH CONTINUOUSLY MOVING FILMS. VICTOR CONTINOUZA and MAURICE BAPTISTE COMBES, Paris, France. Filed Mar. 17, 1927, Serial No. 176,229, and in France Apr. 27, 1926. 4 Claims. (Cl. 88-168.)



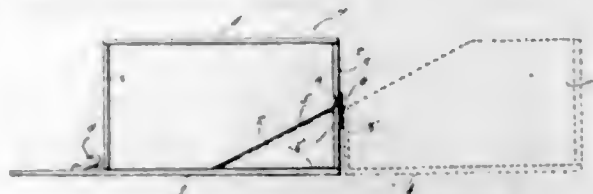
1. In a cinematograph with continuously moving film, the combination with a series of optical compensating members interposed between the film and the screen, means for imparting to said series of members a movement parallel to the film during the passage of the film through the luminous beam, a lens arranged between the film and said series of optical compensating members, a projection aperture near the film, means adapted for displacing said lens along the projection axis, means for varying the height of the said projection aperture, and connecting means between the two regulating means.

1,739,443. VAPOR ELECTRIC DEVICE. LOUIS DOMINIQUE JOSEPH ARMAND DUNOYER, Neuilly-sur-Seine, and PIERRE MARIE GABRIEL TOULON, Paris, France, assignors, by mesne assignments, to General Electric Company, a Corporation of New York. Filed Dec. 21, 1923, Serial No. 682,099, and in Germany Dec. 23, 1922. 4 Claims. (Cl. 175-363.)



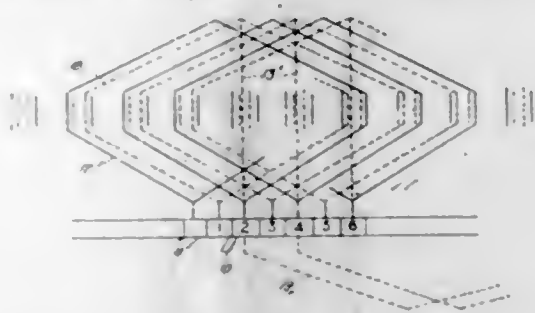
1. The combination of a continuously excited vapor electric device provided with an anode and a cathode mounted within an evacuated vessel containing a vapor or gas and with a control electrode mounted outside of said vessel, and means for applying to said control electrode a potential whereby the starting of current between said anode and cathode is prevented.

1,739,444. COMBINATION BREAD BOARD AND COVER. WILLIAM H. DOSSETT, Dallas, Tex. Filed Jan. 26, 1928, Serial No. 249,562. 1 Claim. (Cl. 416-215.)



In a combination cutting board and receptacle for loaf bread, the combination with a lower section, of an upper section hinged to said lower section, said lower section comprising a base, a rear end and triangular side members, said upper section comprising a rear end, a forward end, side walls and top, said rear ends of said upper and lower sections being hinged together to permit said upper section to be swung into open and closed position relative to said lower section for completely enclosing a loaf of bread within said upper and lower sections when in closed position and exposing said loaf of bread on said base in position for cutting the same when said upper section is swung in to open position relative to said lower section, said triangular side members terminating short of the forward end of said base for providing a maximum unobstructed plane surface on said base for cutting said loaf of bread positioned on said base.

1,739,445. COMMUTATOR DYNAMO-ELECTRIC MACHINE. HERBERT DREGHORN, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed July 6, 1927, Serial No. 203,821, and in Great Britain Nov. 11, 1926. 1 Claim. (Cl. 171-228.)



An armature for dynamo electric machines comprising a slotted core, a pair of parallel winding groups in said slots, the coils in the two groups being of different pitch, a commutator having spaced segments connected to the coil ends of one of said windings and having intermediate spaced segments connected to the coil ends of the other of said windings, and connections between points midway between the coil ends of one of said windings to the commutator segments connected to the coil ends of the other winding, the before-mentioned difference in the coil pitch being such that said connections connect equal potential points in the two windings.

1,739,446. RESINOUS CONDENSATION PRODUCT AND PROCESS OF PREPARING SAME. ANDRÉ HENRI VICTOR DURR, Paris, France, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a Corporation of France. Filed Jan. 2, 1929, Serial No. 329,939, and in France Dec. 31, 1927. 8 Claims. (Cl. 260-8.)

1. The method of preparing a resinous condensation product, suitable to form a varnish film, which method consists in heating an aliphatic polyhydric alcohol with a polybasic acidic substance and at least one natural resin, the amount of natural resin being less than the sum of the

amounts of the polybasic acidic substance and the aliphatic polyhydric alcohol so as to cause combination of the polybasic acid, and the resinic acid of the natural resin, with the polyhydric alcohol, while leaving an excess of uncombined hydroxyl groups of the alcohol in the product, and continuing the heating until a resinous condensation product is obtained which is markedly soluble in usual solvents, and which may be maintained for hours at a temperature of 250° C. without apparent polymerization or change of solubility, this product having an acid number of approximately 2 to 4.

2. As a new product, a resinous condensation product suitable to form a varnish film, obtained by reacting upon an aliphatic polyhydric alcohol with a polybasic acidic substance and at least one natural resin, the amount of natural resin being less than the sum of the amounts of the polybasic acidic substance and the aliphatic polyhydric alcohol so as to cause combination of the polybasic acid and the resinic acid of the natural resin, with the polyhydric alcohol, while leaving an excess of uncombined hydroxyl groups of the alcohol in the product, the said product being easily dissolved in esters being highly soluble in mixed solvents, and being capable of being heated above 250° C. for several hours without apparent polymerization or decrease of solubility, this product having an acid number of approximately 2 to 4.

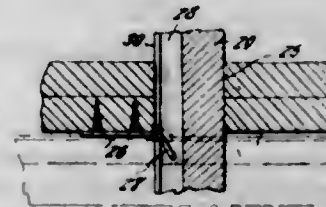
1,739,447. RESINOUS CONDENSATION PRODUCT. ANDRÉ HENRI VICTOR DURR, Paris, France, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a Corporation of France. Filed Jan. 2, 1929, Serial No. 329,940, and in France Dec. 31, 1927. 6 Claims. (Cl. 260-8.)

2. As a new product, a resinous condensation product obtained by acting on glycerine with a mixture of phthalic anhydride and a natural resin in quantity sufficient to replace only a part of the free hydroxyl groups in the glycerine by the phthalic anhydride and a part by the resinic acid of the resin and leave some free hydroxyl groups remaining until a resinous mass is formed and heating this resinous mass under superatmospheric pressure with a siccative oil until a homogeneous mass is obtained in which the oil is chemically combined and which is soluble in benzene and petrol derivatives.

1,739,448. RESINOUS CONDENSATION PRODUCT. ANDRÉ HENRI VICTOR DURR, Paris, France, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a Corporation of France. Filed Jan. 2, 1929, Serial No. 329,941, and in France Dec. 31, 1927. 5 Claims. (Cl. 260-8.)

2. A new resinous condensation product, comprising a combination of an ester formed by condensation of a polybasic acidic compound and a polyhydric alcohol in proportions such as to combine substantially all the hydroxyl groups of the alcohol with a resinic ester formed by combining a natural resin with a polyhydric alcohol.

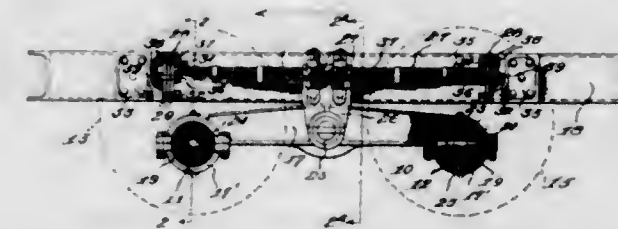
1,739,449. FOLDING TABLE. MAX H. ECKES, Kiel, Wis. Filed Nov. 7, 1927. Serial No. 231,660. 1 Claim. (Cl. 45-116.)



In combination with a foldable table which comprises two hingedly connected flanged sections that have pivot-

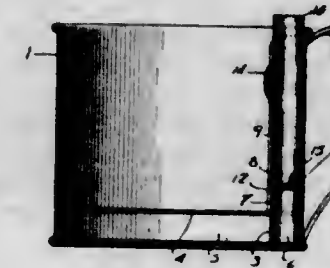
ally supported therein foldable legs and braces for said legs, said sections at their confronting and hinged edges having their flanges provided with aligning openings, of a plate on one of said flanges having a T-shaped end which is arranged angularly with respect to the plate, and disposed opposite the openings, a grooved bar, plates partially closing the groove in the bar, fixed to said bar and slidable in the notches between the T-head and the body plates therefor and designed, when moved through the openings to find a free passage through said notches, a keeper and socket engaging the bar when so moved, and said bar, when moved through the openings and brought against the flange of one of the sections designed to be frictionally engaged by the opposed walls of said notches and thereby sustained from accidental longitudinal movement.

1,739,450. MULTI-WHEEL ROAD VEHICLE. ROLLIE B. FAGEOL, Los Angeles, Calif., assignor to Elght Wheel Motor Vehicle Company, San Francisco, Calif., a Corporation of California. Original application filed Apr. 23, 1923, Serial No. 633,867. Divided and this application filed Oct. 16, 1928. Serial No. 312,868. 15 Claims. (Cl. 280-124.)



1. A vehicle comprising a pair of substantially parallel axles; rigid means having the ends thereof supported from said axles by means including cashioned connections; a member pivotally supported from the mid portion of said rigid means; a leaf spring supported at its mid portion from said member; a flexible shackle supported from each end of said spring; and a frame supported movably with relation to said spring from said shackles.

1,739,451. WHISTLE CUP. CLARENCE B. FOWLER, New York, N. Y. Filed Mar. 5, 1929. Serial No. 344,542. 6 Claims. (Cl. 46-46.)



1. A cup including a body having a false bottom, a tube extending through said false bottom, said tube having a whistling edge and a coating tube associated with the first-mentioned tube formed with a slot for directing air against said whistling edge for producing a whistling sound when air is forced through the last-mentioned tube.

1,739,452. GLASSWARE-FORMING MEANS. IVAL G. FOWLER, Toledo, Ohio, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio, a Corporation of Ohio. Original application filed Sept. 23, 1926, Serial No. 137,193. Divided and this application filed Sept. 24, 1928. Serial No. 307,880. 2 Claims. (Cl. 49-33.)

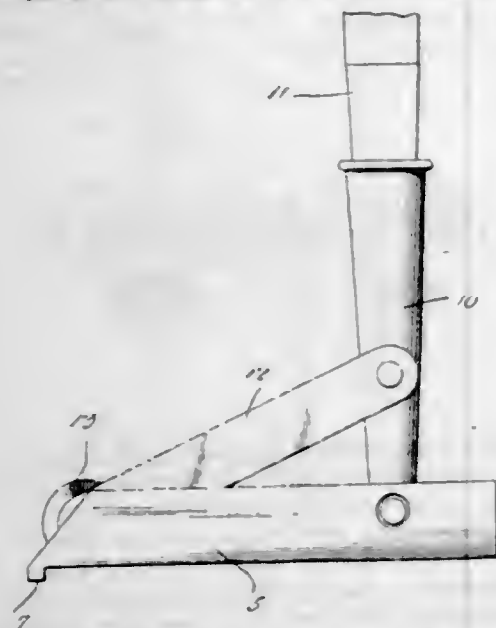
2. In combination, means for forming molten glass into sheet form and permitting an advance of the sheet as it is formed, and conveying means including a conveying belt of woven wire fabric for receiving the sheet

directly in contact therewith as it leaves the forming means and while in soft unset condition, said wire fabric



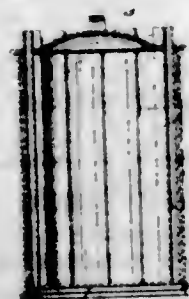
being of fine open mesh construction to minimize marring of the soft unset sheet in contact therewith and to permit uniform cooling of the sheet.

1,739,453. RAILWAY-TRACK-ALIGNING TOOL. CHARLES ALFRED GOFF, Grafton, W. Va. Filed June 14, 1928. Serial No. 285,444. 1 Claim. (Cl. 234-44.)



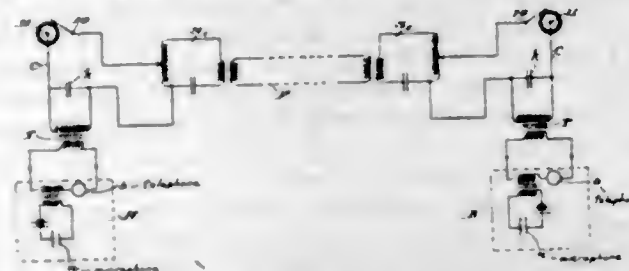
A railroad track moving device of the character described comprising a foot member of channeled construction, the flanges thereof being upturned, the upper edge portions of the foot member being bent inwardly to provide guide flanges, a lever pivotally connected to the bottom of the foot member adjacent one end thereof, a bar pivotally connected to the lever at a point inwardly from its pivot point, an anti-frictional roller at the opposite end of the bar for contact with the bottom of the foot, and having means associated therewith and projecting beneath the inwardly bent guide flanges to prevent the displacement of the roller from within the foot member, said lever being adapted to be swung downwardly so as to dispose the bar within the hollow foot so that the top of the foot may be positioned against the rail to be moved.

1,739,454. WASHBOILER. NARA D. GOFF, Clinton, Iowa. Filed Dec. 8, 1927. Serial No. 238,564. 3 Claims. (Cl. 68-30.)



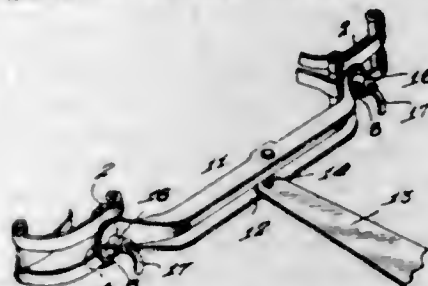
1. In a washboiler, a bottom, a side band, open ended tubes vertically disposed and extending from the bottom upward adjacent to the side band and above the top of the side band, and a removable cover perforated to fit over the upper ends of the tubes and close the washboiler.

1,739,455. METHOD FOR TRANSMITTING THE SPEECH BY HIGH-FREQUENCY WAVES. WILHELM EDUARD ERICH HABAN, Berlin, Germany. Filed Sept. 17, 1924, Serial No. 738,297, and in Germany Oct. 2, 1923. 1 Claim. (Cl. 178-44.)



In the transmission of speech by electric waves in which low frequency speech currents are resolved into impulses by the aid of mechanical interrupters in which a similar arrangement is operative on the receiving side as on the sending side, whereby both the sending device and the receiving device are connected with the main line over electric resonance circuits, tuned to the same frequency, the method which comprises operating the sender and the corresponding receiver with mechanical transmission frequencies which are in exact harmonic relation other than a one to one relation with one another.

1,739,456. AUTOMOBILE TRAILER-HITCH ATTACHMENT. CHARLES P. HANSEN, Evan, Minn., assignor of one-half to Dell Hansen, Evan, Minn. Filed Feb. 20, 1929. Serial No. 341,484. 1 Claim. (Cl. 280-33.44.)



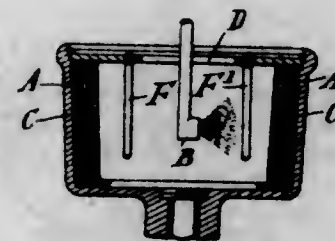
A trailer hitch designed to be attached to the rear fender guards or bumpers of an automobile, comprising a channeled member having angle ends which merge into straight outwardly directed portions that are centrally slotted longitudinally, clips designed for engagement with the inner faces of the bumper and having lips for contacting with the opposite edges of the bumper, said clips having inwardly directed angle edge flanges, a bolt passing centrally through the clips and having its head contacted by the flanges, said bolt passing between the bars of the fender and through the slots of the channeled member, nuts having tubular bodies which are screwed on the bolts and which contact with the straight end portions of the channeled member, a weighted handle on each bolt, said channeled member at its center having its rear face provided with an opening and its horizontal flanges provided with aligning apertures, said channeled member designed to receive therein the end of a trailer pole which is disposed opposite the opening and a pivot pin passing through the apertures and through the trailer pole.

1,739,457. BOTTLE OPENER. WILLIAM E. HARRISON, Union City, Ind. Filed Nov. 4, 1927. Serial No. 231,019. 1 Claim. (Cl. 65-46.)



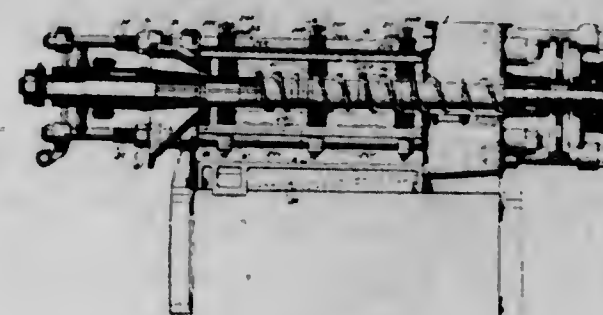
A bottle opener comprising a sleeve formed of a sheet of material, the said material extending from parts of the sleeve to form spaced side plates and said side plates terminating in laterally bent tabs projecting to produce a hook of substantial width designed to engage the edge of a bottle cap.

1,739,458. MANUFACTURE AND PRODUCTION OF ARTIFICIAL THREADS, FILAMENTS, RIBBONS, AND THE LIKE. EDWARD HAZLEY and ERIC ANDREW MORTON, Coventry, England, assignors to Courtauld Limited, London, England. Filed Sept. 7, 1928, Serial No. 304,490, and in Great Britain Nov. 7, 1927. 2 Claims. (Cl. 18-8.)



1. Apparatus for the treatment with liquid of a cake of artificial threads, filaments, ribbon and the like, comprising a centrifugal box, a non-rotating spraying device situated towards the centre of the said box and at least one member practically vertical, situated between the cake and the spraying device, and specially separated from the cake and arranged so that it rotates with the box.

1,739,459. HIGH-PRESSURE PRESS. STANLEY HILLER, San Jose, Calif., assignor to Stanley Hiller, Incorporated, a Corporation of California. Filed Sept. 3, 1924. Serial No. 735,854. 2 Claims. (Cl. 100-48.)



2. A body for high pressure screw presses comprising a plurality of thin buckled resilient plates; a central opening in each of said plates; a set of aligned slots in said plates; a knife bar fitting snugly in said slots providing a guide for the resilient movement of said plates; a plurality of spaced supporting members engaging said plates exteriorly thereof for holding said plates rigidly in alignment under high operating pressures; and means for clamping said plates in abutment.

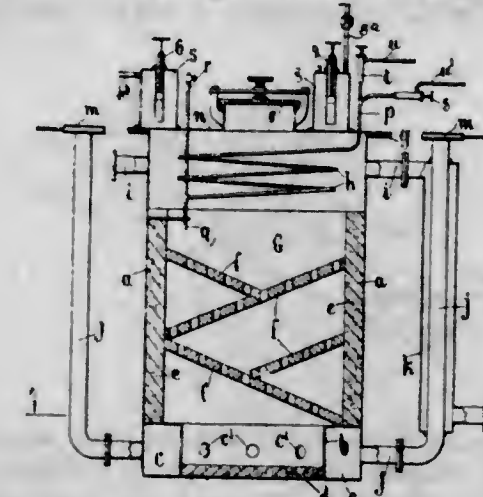
1,739,460. CELLULAR FABRIC. GEORGE B. HINTON, Mexico, Mexico. Filed Jan. 10, 1929. Serial No. 331,715. 4 Claims. (Cl. 108-18.)

1. A cellular fabric comprising a body of adherent bubbles, each having a rigid envelope of set hydraulic cement the walls of the individual envelopes being of substantially uniform thickness.

1,739,461. APPARATUS FOR GENERATING OIL GAS. ALBERT EDWARD HODGSON and NORMAN CLARKE JONES, London, England. Filed Mar. 18, 1927, Serial No. 175,878, and in Great Britain May 31, 1926. 1 Claim. (Cl. 48-74.)

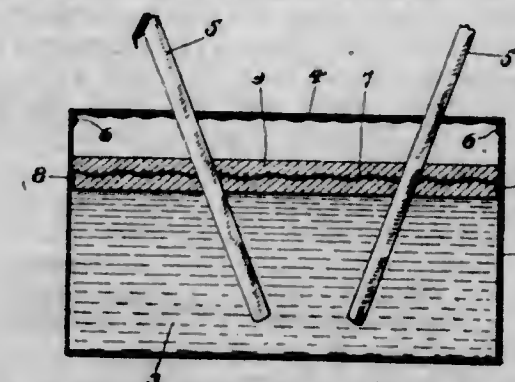
An apparatus for generating oil gas; comprising an oil gas generating chamber having an outer steel casing and an inner refractory lining, inclined perforated baffle plates attached to the refractory lining within the gasifying chamber, an oil inlet coil within the upper portion of the gasifying chamber above the refractory lining, whereby the oil

is preheated by the generated gas, an annular air admission chamber at the base of the gas generating chamber, an air inlet pipe leading to the air admission chamber,



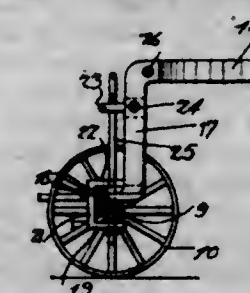
and an oil gas outlet pipe surrounding a portion of the air inlet pipe, whereby the air is preheated by the outlet oil gas.

1,739,462. APPARATUS FOR PROLONGING THE LIFE OF CUT FLOWERS. GERMAN BAKER HUNT and MARY MILLS HUNT, Monroe, La. Filed Sept. 12, 1928. Serial No. 305,566. 2 Claims. (Cl. 47-41.)



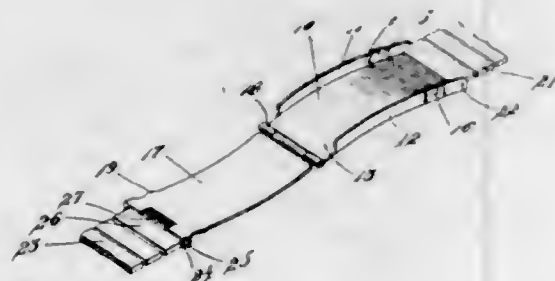
1. An apparatus for prolonging the life of cut flowers comprising, an open top receptacle adapted to contain water, a foraminous partition extending transversely of the receptacle for the passage of flower stems therethrough to support the stems with the lower portions thereof extending into the water, and a sealing medium disposed around said stems and engaging said partition to provide an impervious cover for sealing the water to the atmosphere.

1,739,463. ASPARAGUS WAGON. CHARLES W. JARVIS, Courtland, Calif. Filed May 10, 1929. Serial No. 362,002. 1 Claim. (Cl. 280-125.)



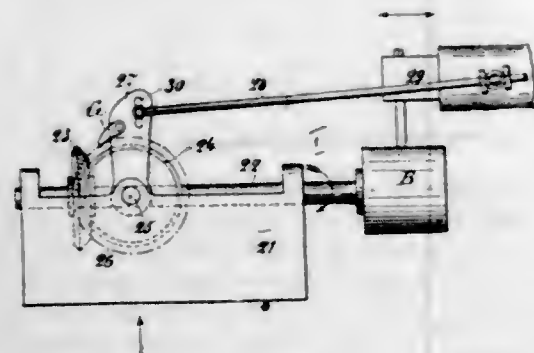
In a device of the character described, an asparagus wagon mounted upon rubber tired wheels, a pair of forwardly converging strap irons carried by the wagon, the forward meeting ends of the irons being downwardly directed in juxtaposed parallel relation with the lower terminal ends angularly bent forwardly into overlapping relation, and a wheeled draft device comprising a stationary axle bar upon which the overlapped ends of the strap irons are mounted, a U-shaped bracket anchored at its lower side to the axle bar with the upper side disposed above the axle bar and strap iron ends, and a bolt passed through the bracket, strap iron ends and axle bar to anchor the wagon to the draft device.

1,739,464. EXTENSION DEVICE. PERCIVAL W. JONES, Warwick, R. I., assignor to Rosenheim Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 2, 1929. Serial No. 344,010. 9 Claims. (Cl. 24-71.)



1. An extension device for a wrist strap comprising a plurality of sections hinged together to fold one over the other, portions extending laterally from the opposite edges of one of said sections intermediate its ends, and arch-shaped resilient fingers on another of said sections between which said portions may snap to hold said section in folded position, said fingers being arc-shaped in the longitudinal direction of said sections.

1,739,465. MACHINE FOR AUTOMATIC CUTTING OF RECESSES OR THE LIKE IN STRAIGHT OR CURVED DIRECTION ON SURFACES. AXEL JØRGENSEN, Copenhagen, Denmark, assignor to A. Jørgensen & Co., Copenhagen, Denmark. Filed Aug. 20, 1923. Serial No. 658,453, and in Denmark Sept. 6, 1922. 2 Claims. (Cl. 90-29.)

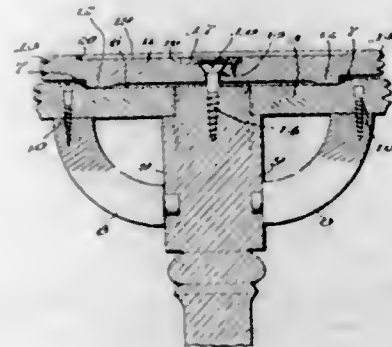


1. In a machine for automatically cutting grooves in the surface of cylindrical or conical mill-grinders, a reciprocatory tool holder, a work support, a shaft on which said work support is mounted, means for intermittently imparting uni-directional rotation to said work support from said tool holder comprising a connecting rod connected directly to said tool holder, a pivotally mounted lever to which said connecting rod is pivotally connected, for oscillating said lever, a shaft, a ratchet wheel on said shaft, a pawl carried by said lever and engageable with teeth on said ratchet wheel for imparting uni-directional movement to said ratchet wheel on the cutting stroke only of said tool holder, and a gear on said shaft intermeshing with a gear on the shaft of said work support for transmitting uni-directional movement to the latter.

1,739,466. PEDESTAL SUPPORT. HENRY C. KIHNEMAN, Sr., Monroe, La. Filed Nov. 22, 1927. Serial No. 235,013. 1 Claim. (Cl. 45-117.)

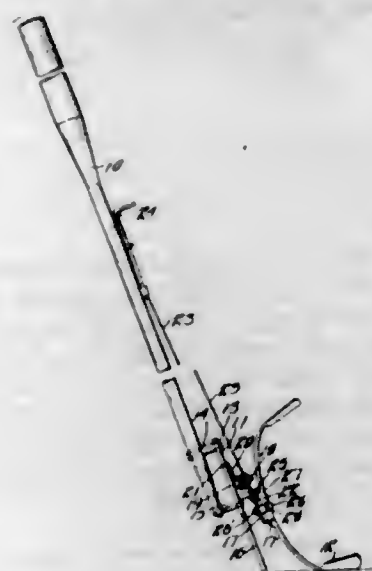
A pedestal support comprising a fixed standard having a supported base, a table base rigidly attached to the upper end of the standard having its upper face formed with a central circular depression, a removable pivot member extending upwardly above the upper face of the table base in the longitudinal axial line of the standard, a table having a lower portion of reduced diameter to seat within said depression and rotate therein and formed

with an annular bearing rib on its under face presenting flat bearing surfaces engaging the face of said depression and retained thereon by the edge bordering said depression, the upper portion of said table extending outwardly beyond the said depression to overlie the outer edge portion of the table base, said table having a bore therein



to receive the pivot member and a countersunk portion in its upper face to house the upper end thereof, and a removable cover plate for said countersunk portion and pivot member seated on the upper face of the table flush therewith, said upper face being bordered by a retaining ledge for the base of articles resting thereon.

1,739,467. DRIVING DEVICE FOR MINIATURE GOLF BALLS. HENRY J. KLUTHO, Jacksonville, Fla. Filed Nov. 17, 1928. Serial No. 320,186. 2 Claims. (Cl. 273-87.)



1. A device for playing indoor golf comprising a support, a bar having its upper end pivoted on the support, a spring coiled about the pivot for the bar and having one end connected to the bar and the other end connected to the support, a club secured to the lower end of the bar the said club having a driving head on each end and being adapted for reversing to use either of the heads, and manually operable means for tensioning the said spring to swing the club to drive a golf ball in a manner simulating the action of a golf club, substantially as set forth.

1,739,468. GOLF CLUB. HENRY J. KLUTHO, Jacksonville, Fla. Filed Nov. 17, 1928. Serial No. 320,187. 4 Claims. (Cl. 273-87.)

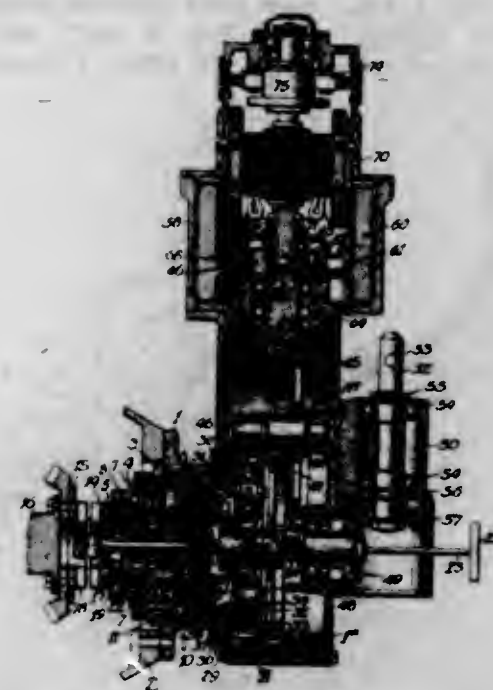
1. A device for playing golf comprising a handle, a driving member pivoted on said handle, a plunger supported

longitudinally of the handle, spring means associated with the plunger, adapted to be compressed when the plunger is moved longitudinally in one direction, and adapted when



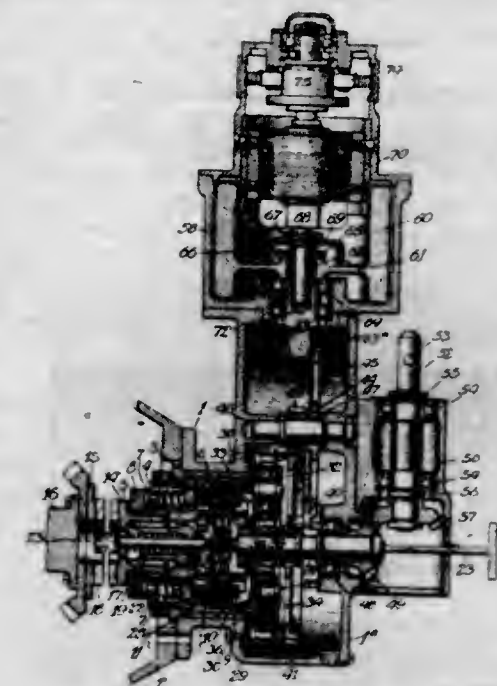
released to move the plunger longitudinally in the other direction, and a lever connecting the plunger and driving member for swinging the driving member upon the longitudinal movement of the plunger, substantially as set forth.

1,739,469. ENGINE STARTER. RAYMOND P. LANSING, Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Sept. 28, 1925. Serial No. 59,113. 65 Claims. (Cl. 123-179.)



1. In an engine starter, a drive including a driving member adapted to engage and crank a member of the engine to be started, an inertia device operatively connected with the driving member, power means and manual means operatively connected with the inertia device for actuating the same by either of such two means or by both combined, and means for automatically disconnecting the power means when the manual means alone is operated.

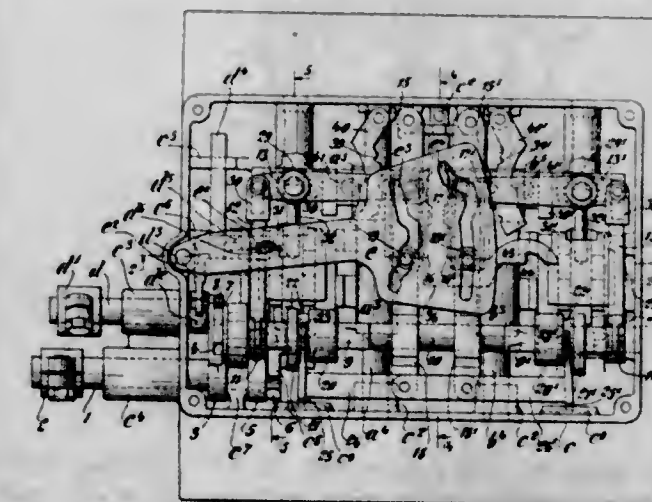
1,739,470. ENGINE STARTER. RAYMOND P. LANSING, Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Sept. 28, 1925. Serial No. 59,114. Renewed Apr. 26, 1929. 23 Claims. (Cl. 290-48.)



11. An engine starter including a driving member adapted to crank a member of the engine to be started, an inertia device operatively connected therewith, an electric motor and means for automatically connecting the motor with said device and disconnecting it therefrom comprising a rotatable nut threaded upon the motor shaft and having an extension, a sleeve mounted on such extension for rotary movement therewith and longitudinal movement thereof and having a clutch jaw and a complementary jaw member engaged by the other jaw and adapted to operatively engage the inertia device when the two jaws become engaged and a spring interposed between the nut and sleeve for yieldingly holding them extended.

21. An engine starter including a drive having a driving member adapted to engage and crank a member of the engine to be started, axially fixed reduction means operatively connected with the drive, a motor, and an operating connection between the motor and the member of the reduction means and normally disconnected therefrom.

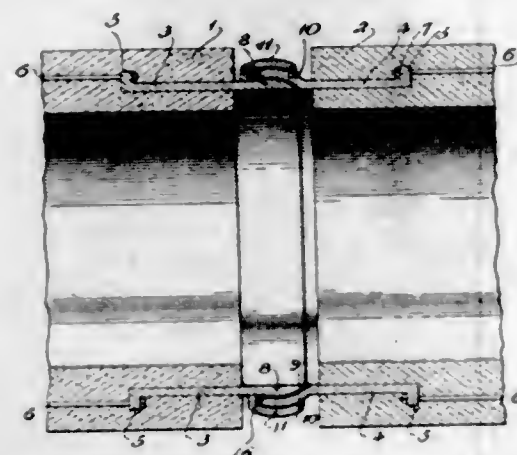
1,739,471. AUTOMATIC GEAR-SHIFTING MECHANISM. CHARLES M. SAVRDA, Bayshore, N. Y., assignor to Autosift Corporation, New York, N. Y., a Corporation of New York. Filed May 8, 1928. Serial No. 278,010. 15 Claims. (Cl. 74-58.)



1. Automatic gear shifting mechanism for a vehicle comprising a shifter fork, an arm connected to the fork, a

mechanical means for moving the arm, a selecting mechanism for effecting a predetermined movement of the mechanical means, a secondary selecting means operated by the mechanical means to move the arm in a desired position, and means to move the secondary means to a selected position and simultaneously cause it to move the arm.

1,739,472. CONDUIT COUPLING. HARRY K. SWENEY, Evansville, Wyo. Filed Dec. 31, 1927. Serial No. 243,961. 3 Claims. (Cl. 285—91.)



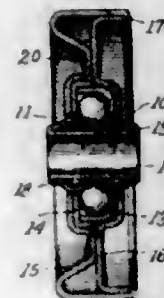
1. A conduit coupling comprising a pair of cooperating collars each carried by the adjacent ends of the conduit sections to be coupled, the end of one of said collars having its outer peripheral portion formed with a semi-spherical bearing surface, the end of the remaining collar being provided with an enlarged skirt having semi-spherical inner and outer surfaces, the inner semi-spherical surface of said skirt being engaged over said semi-spherical bearing surface of the first mentioned collar, and a rigid clamping sleeve concentric with the outer semi-spherical surface of the skirt and engaged over the same, one edge of said sleeve terminating short of the skirt and the other edge of said sleeve snugly engaging the outer peripheral portion of the first mentioned collar beyond the semi-spherical bearing surface thereof.

1,739,473. RIBBED EXPANDED-METAL LATH. FRED C. AMER, Oak Park, Ill., assignor to John W. Gleason, Pittsburgh, Pa.; Frank W. Bora, New York, N. Y.; William F. Freudenreich, Kenilworth, Ill.; and Frederick H. Chetlain, Chicago, Ill.; and himself, as trustees. Filed July 28, 1927. Serial No. 208,915. 7 Claims. (Cl. 72—117.)



3. A sheet of ribbed expanded metal comprising open sections alternating with solid sections, alternate open sections being formed of strands crossing each other, and the remaining open sections retaining the width of the corresponding portions in the original unexpanded sheet.

1,739,474. SKATE WHEEL. ADOLPH H. FRITZ, Litchfield, and ERNEST J. PARDON, Torrington, Conn., assignors to Union Hardware Company, Torrington, Conn., a Corporation of Connecticut. Filed July 25, 1928. Serial No. 295,136. 8 Claims. (Cl. 208—181.)

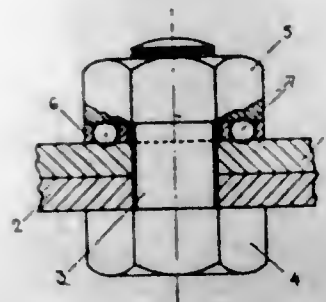


1. A ball bearing roller skate wheel comprising a single row of balls and at least two sheet metal walls on each side and on the outside of said balls, and an inner ball race comprising at least two thicknesses of sheet metal inside the balls and centrally thereof.

1,739,475. PROCESS OF MANUFACTURING DYED ARTIFICIAL SILK. HENDRIK JAN JAKOB JANSSEN, Arnhem, Netherlands, assignor to Naamloze Vennootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Filed Dec. 15, 1925, Serial No. 75,620, and in Germany Dec. 15, 1924. 2 Claims. (Cl. 8—5.)

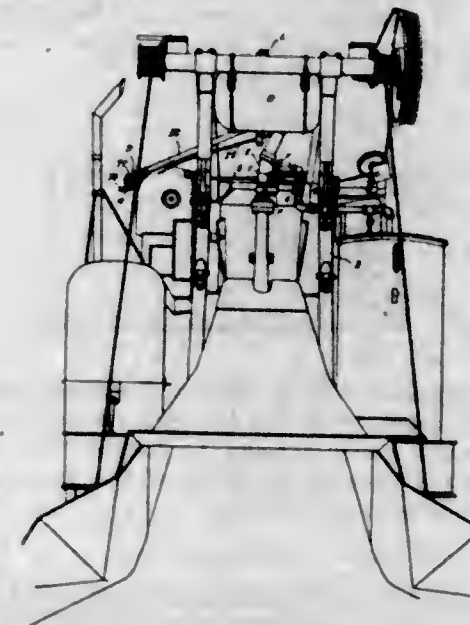
1. The process of modifying the dye absorptive properties of artificial silk containing oxycellulose, hemicellulose or hydrocellulose which comprises treating said silk with glycerine in a heated state.

1,739,476. NUT LOCK. BROR JOHN FRITHIOF ANDERSSON, Stockholm, Sweden. Filed Feb. 3, 1927, Serial No. 165,587, and in Sweden Mar. 19, 1925. 1 Claim. (Cl. 151—35.)



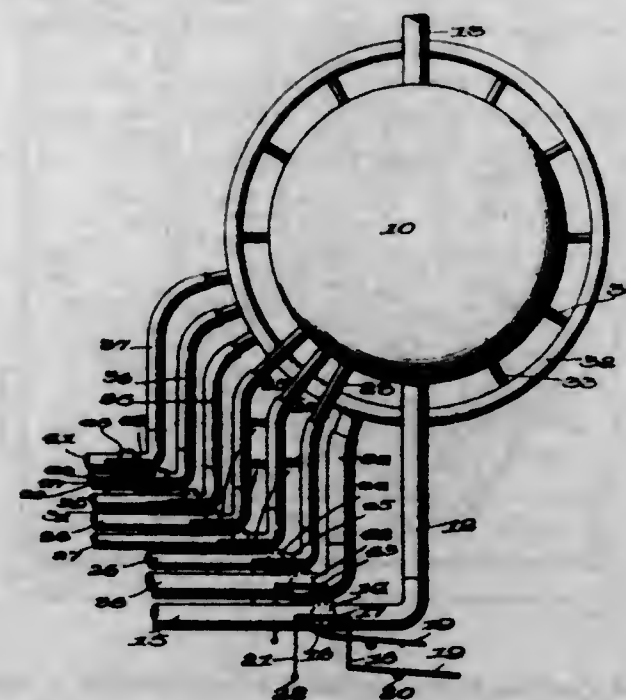
The combination of a nut having a plane bearing surface of relatively soft material a circular washer provided with one or several cylindrical holes and a corresponding number of balls of material relatively hard in comparison with that of said bearing surface inserted in said holes, said balls having such a diameter that they extend slightly beyond both of the plane surfaces of the washer to engage with rolling friction, said bearing surface and a similar underlying bearing surface, so as to deform said surfaces and thereby lock the nut.

1,739,477. CONTROL MECHANISM FOR LIQUID-MEASURING APPARATUS. CHARLES F. BALL, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 5, 1927. Serial No. 224,259. 4 Claims. (Cl. 221—95.)



1. The combination with a tank for containing a body of liquid, a rotatable siphon arranged therein controlling the amount of liquid to be delivered at each operation accordingly as it is set, and means for setting the siphon including a shaft by which the siphon is turned, linkage connected with the shaft and extending to a position of operation distant therefrom, the linkage having a screw-threaded portion, a nut engaging with the screw-threaded portion of the linkage to move the same and thus set the siphon, and means for operating the nut.

1,739,478. LENS. STANISLAWA BIELICKI, New York, N. Y. Filed Jan. 29, 1927. Serial No. 164,519. 3 Claims. (Cl. 240—107.)



1. In projection apparatus, a cell having transparent walls and adapted to be arranged in the path of a projected light beam, said cell being normally filled with transparent liquid, and having an inlet for said transparent liquid and a separate outlet, means for establishing a flow of transparent liquid through said cell, and means independent of said transparent liquid for selectively introducing into the flowing liquid within said cell, other liquids of different colors.

1,739,479. GAS-CELL FABRIC. WILLIAM C. CALVERT, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 23, 1927. Serial No. 177,845. 14 Claims. (Cl. 244—3.)

1. A gas cell for balloons comprising a fabric having a coating on one side containing graphite and a coating containing gelatin on the other side.

1,739,480. ANTIOXIDANT OR AGE-RESISTER. ALBERT M. CLIFFORD, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 10, 1927. Serial No. 239,260. 8 Claims. (Cl. 18—50.)

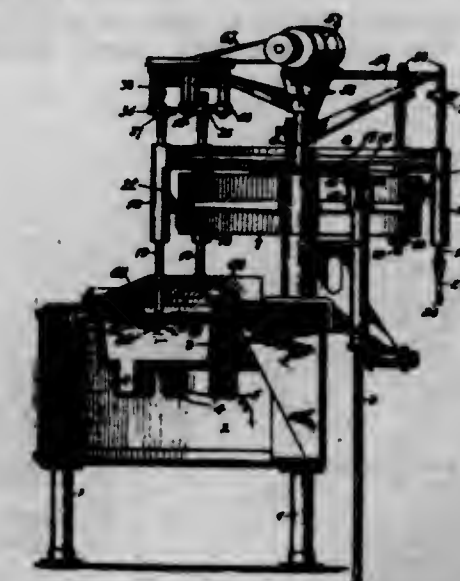
4. A vulcanized rubber product containing the reaction product of a naphthylamine and an aliphatic acid.

1,739,481. METHOD OF MAKING TIRE CORD. KENNETH B. COOK, Providence, and LEO P. GERVAIS, Pawtucket, R. I., assignors to Manville-Jencks Company, a Corporation of Rhode Island. Filed May 16, 1929. Serial No. 363,679. 1 Claim. (Cl. 117—52.)



The method of making a cord for use in the manufacture of tires which consists in twisting a plurality of yarns to form strands and twisting a plurality of strands together to form a cord, the amount of twist imparted to the yarns and strands in forming the strands and cord being that required to impart maximum tensile strength, and simultaneously with the twisting of the yarns and strands winding up the strands and cord while in a relaxed condition under a light tension to impart and preserve elasticity in the final cord.

1,739,482. METHOD OF AND APPARATUS FOR COATING METAL ARTICLES. DARWIN G. GRISWOLD, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation of Connecticut. Filed Dec. 29, 1922, Serial No. 609,551. Renewed Apr. 12, 1929. 27 Claims. (Cl. 91—12.6.)

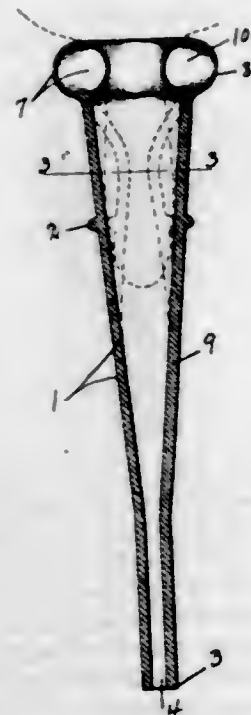


1. A machine for coating articles comprising a tank for containing coating material, an article carrier, means for

moving said carrier to advance an article to be coated through said material, means for moving said article up and down while in said material, and means for whirling said carrier and the article carried thereby after the latter is withdrawn from said material to remove surplus material therefrom by centrifugal action.

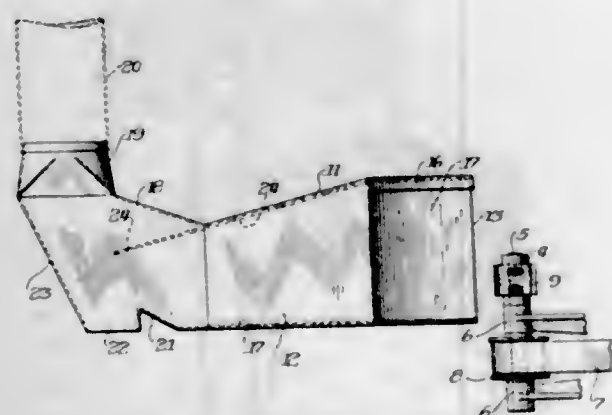
21. The method of coating an article with tin, which comprises first applying a rough coating of tin to the article, permitting said coating to solidify, then immersing the article in a bath of molten tin to melt the rough coating, then removing the same from said bath, and then rotating the article at a high velocity about an axis within itself to throw off by centrifugal action the surplus coating of metal, returning said material to said bath.

1,739,483. TEAT CUP. RALPH L. HINMAN, Oneida, N. Y., assignor to Hinman Milking Machine Company, Oneida, N. Y., a Corporation of New York. Filed Oct. 17, 1927. Serial No. 226,707. 1 Claim. (Cl. 31-84.)



In a device of the class described, a cylindrical body having an integral flexible tubular annular flange at one end, the interior diameter of the annular flange being less than the interior diameter of the adjacent portion of the cylindrical body.

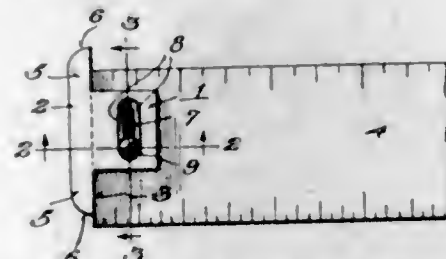
1,739,484. SHAPER HOOD. GERALD TY HURLBURT, Detroit, Mich., assignor to The Allington & Curtis Manufacturing Company, Saginaw, Mich., a Corporation of Michigan. Filed Sept. 19, 1927. Serial No. 220,453. 5 Claims. (Cl. 302-53.)



1. In a suction hood for dust collecting systems, a converging reception portion opened at the end, a vertical suction discharge, a housing connecting the discharge and

the reception portion comprising an opening below the suction discharge, and an inclined wall extending below the discharge and leading to the edge of the opening.

1,739,485. HOOK RULE. ARNOLD W. MEYER, Providence, R. I., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Filed Nov. 5, 1926. Serial No. 146,306. 5 Claims. (Cl. 33-107.)

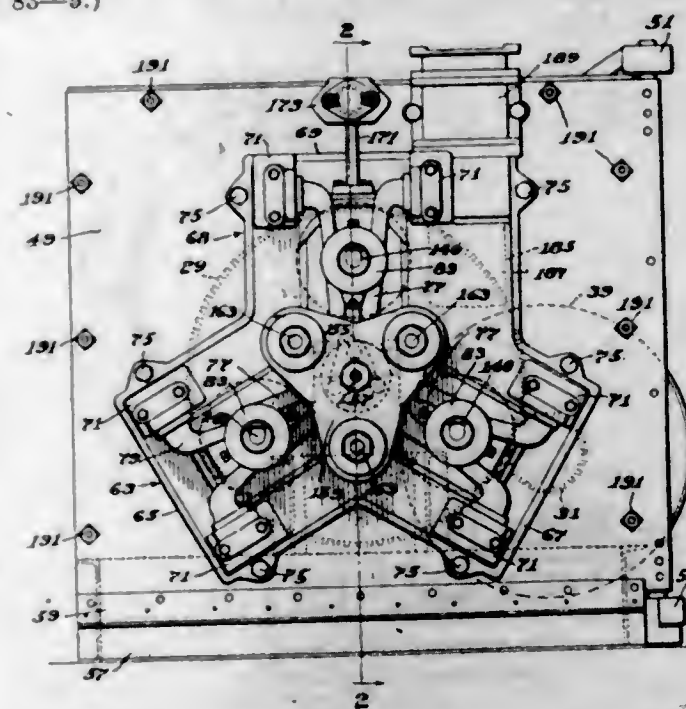


3. In combination with a rule, a T-shaped attachment therefor, and means to secure the attachment to the rule, said attachment being formed to provide for selective projection of the ends of the head of the attachment beyond either side edge of the rule.

1,739,486. METHOD OF PRODUCING ACCELERATORS FOR THE VULCANIZATION OF RUBBER. LORIN B. SEBRELL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 1, 1924. Serial No. 729,516. 6 Claims. (Cl. 260-125.)

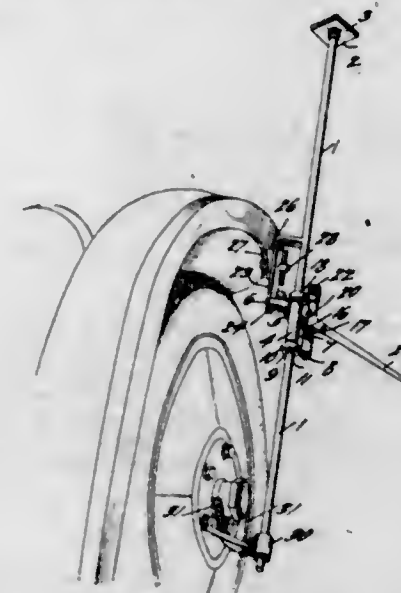
1. A method of making substituted guanidines which comprises admixing basic lead carbonate and litharge with a thiourea, adding a primary amine thereto, applying heat and collecting the guanidine thus produced.

1,739,487. RING-ROLL MILL. THOMAS J. STURTEVANT, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1927. Serial No. 169,612. 8 Claims. (Cl. 83-9.)



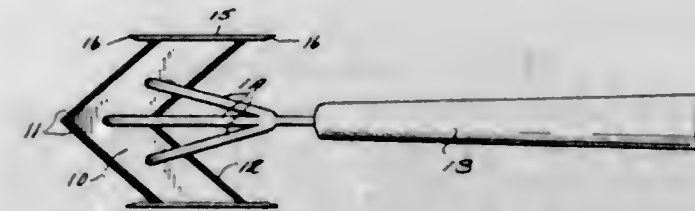
1. A crushing mill comprising, in combination, a shaft, an anvil ring carried by the shaft, rolls within and opposed to the ring for crushing materials, a casing for the ring and rolls comprising a body and a steel plate door having apertures therein, a frame in the form of a unitary casting mounted on and secured to the door and formed with U-shaped arms having spaces between said arms over said apertures, each of said arms having a pair of bearings, carriers having trunnions mounted in said bearings, and shafts on said carriers carrying the rolls and projecting through said spaces and door apertures into the casing body.

1,739,488. FENDER JACK. WILLIAM E. THAYER, San Francisco, Calif., assignor of one-half to R. P. Thornton, San Francisco, Calif. Filed July 27, 1928. Serial No. 295,787. 5 Claims. (Cl. 153-32.)



1. A fender jack including a main rod, a traveler movable on said rod, means for imparting a step-by-step movement to the traveler, a fender clamp including a lifting bar to be interlocked with the traveler, and means for anchoring the main rod to the hub-cap of the vehicle.

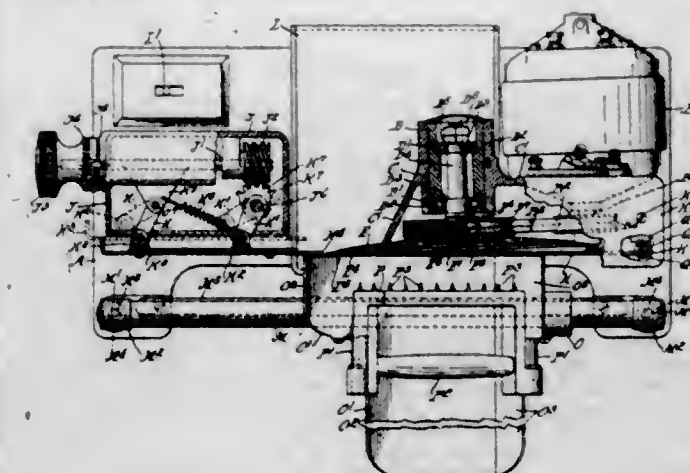
1,739,489. GARDENING TOOL. HENRY WAGNER, Falls City, Oreg., assignor of one-half to E. A. Campbell, Falls City, Oreg. Filed Feb. 21, 1928. Serial No. 256,007. 1 Claim. (Cl. 97-68.)



A gardening tool of the character described comprising an approximately V-shaped blade having forward and rear

cutting edges, the ends of the blade having upwardly turned flanged portions constituting guards and sharpened at their opposite ends, a handle, and three shanks extending from the handle and downwardly curved at their forward ends and diverging with relation to each other, the shanks engaging the flat middle portion of the blade at three different points, the middle shank projecting beyond the lateral shanks and being disposed immediately behind the apex of the V-shaped blade, the lateral shanks being substantially spaced from the guards whereby to prevent plant branches from being caught between a shank and a guard.

1,739,490. SLICING MACHINE. WILLIAM J. CAMPBELL, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a Corporation of New York. Original application filed May 8, 1926, Serial No. 107,656. Divided and this application filed Aug. 21, 1929. Serial No. 387,307. 18 Claims. (Cl. 140-102.)



10. In a slicing machine, a rotary knife and means for rotating it, the axis of rotation of said knife lying in a generally horizontal plane, a guard plate positioned forwardly of said knife and lying in a generally vertical plane, the axis of said knife being tilted to bring the cutting arc of said knife into the plane of said guard plate, a gauge plate positioned in a plane generally parallel with the plane of said guard plate, a carriage adapted to support the material being sliced, and means for guiding said carriage along a path generally parallel with the faces of the gauge plate and the guard plate.

THE OFFICIAL GAZETTE

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CONTENTS

	Page
ISSUE OF DECEMBER 17, 1929.....	531
ADJUDICATED PATENTS.....	531
ADVERSE DECISIONS IN INTERFERENCE.....	531
DISCLAIMER.....	531
NOTICE OF CANCELLATION.....	531
APPLICATIONS UNDER EXAMINATION.....	532
DECISIONS OF THE U. S. COURTS—	
In re Eifel.....	533
The I. E. Palmer Company v. Nashua Manufacturing Company.....	533
In re Travis.....	535
PATENT SUITS.....	536
TRADE-MARKS PUBLISHED (244 APPLICATIONS).....	537
TRADE-MARK REGISTRATIONS GRANTED.....	567
TRADE-MARK REGISTRATIONS RENEWED.....	575
LABELS.....	575
PRINTS.....	576
REISSUES.....	577
DESIGNS.....	579
PATENTS GRANTED.....	592

Issue of December 17, 1929

Trade-Marks.....	195—No. 265,059 to No. 265,253, inclusive.
T. M. Renewals.....	12
Labels.....	22—No. 26,740 to No. 26,761, inclusive.
Prints.....	11—No. 12,250 to No. 12,260, inclusive.
Reissues.....	11—No. 17,523 to No. 17,533, inclusive.
Designs.....	55—No. 80,108 to No. 80,157, inclusive.
Patents.....	949—No. 1,739,491 to No. 1,740,439, inclusive.
Total.....	1,255

Adjudicated Patents

(D. C. Pa.) Blackburn patent, No. 1,404,568, for furnace, claims 5, 7, and 8 Held valid and infringed. *Underfeed Stoker Co. v. American Engineering Co.*, 35 F. (2) 32.

(C. C. A. Mich.) Mayer patent, No. 1,486,779, for girdle brassière, claims 1 and 2 Held invalid for lack of invention. *Condit v. Jackson Corset Co.*, 35 F. (2d) 4.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,688,060, K. W. Schwartz, Manufacture of articles of cellulose esters and of their compositions, decided November 5, 1929, claims 2, 3, and 4.

Pat. 1,704,982, L. G. Lindsay, Water-softening apparatus, decided October 28, 1929, claims 1, 2, and 7.

Pat. 1,707,547, A. H. Adams, Laundry drier-control apparatus, decided November 8, 1929, claims 1, 2, 5, 6, 8, and 9.

Pat. 1,708,390, W. E. Leibing, Refrigerating apparatus, decided October 25, 1929, claims 1, 2, 4, 6, and 8.

Disclaimer

Reis. No. 16,408.—*John H. Vinton*, deceased, Keene, N. H. HEEL-TURNING MACHINE. Patent dated August 24, 1926. Disclaimer filed November 25, 1929, by the assignee by mesne assignments, *United Shoe Machinery Corporation*.

Hereby enters this disclaimer to said claims 10 to 14, inclusive, of said reissued Letters Patent which are in the following words, to wit:

"10. In a machine of the class described, a cutter, a pivoted jack arranged to carry a heel blank into different positions relatively to the cutter, a clamping mechanism on the jack to hold the heel blank, and a manually operable member for operating the clamping mechanism arranged also to move the jack relatively to the cutter.

"11. In a machine of the class described, a heel shaping cutter, a jack pivotally mounted on the machine arranged to be swung past the cutter by the operator, a clamping mechanism for the heel blank on the jack, a manually operable member arranged to move generally perpendicularly to the direction of the said swinging movement to clamp the heel blank, and arranged also to effect the said swinging movement.

"12. In a machine of the class described, a rotating heel shaping cutter, a swinging arm, a jack pivoted on the arm and arranged to be swung by the operator about an axis parallel to that of the cutter, a lever projecting toward the operator to enable the operator to swing the jack, and a clamping mechanism on the jack arranged to hold a heel blank, and to be operated by the said lever to hold and release a blank.

"13. In a machine of the class described, a heel shaping cutter, a jack arranged to be swung by the operator past the cutter, a cam track for giving the jack a vertical movement as it swings, a handle projecting toward the operator opposite the cam track, and a clamping mechanism on the jack for holding a heel blank and arranged to be operated by the said handle.

"14. In a machine of the class described, a heel shaping cutter, a jack arranged to be swung by the operator past the cutter, a cam track for vertically tilting the jack as it swings, a handled member for swinging the jack, projecting toward the operator opposite the cam track, and a clamping mechanism on the jack for holding a heel blank and arranged to be operated by the said handled member."

Notice of Cancellation

U. S. PATENT OFFICE, Washington, D. C., Dec. 2, 1929. *The Orchardale Company*, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of the New England Vinegar Works, Inc., 48-56 Washington Street, Somerville, Mass., to effect the cancellation of trade-mark registration No. 142,043, issued May 3, 1921, to Howard P. Miller, 8438 Wiswell Avenue, Cincinnati, Ohio, which registration, the assignment records of the Office show, has been transferred to The Orchardale Company, 8438 Wiswell Avenue, Cincinnati, Ohio. The notice of such proceeding sent by registered mail to The Orchardale Company at the said address having been returned by the post-office as undeliverable, notice is hereby given that unless The Orchardale Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business December 6, 1929

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Apr. 2	Apr. 17	1,345
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 28	Mar. 28	1,915
331	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 6	July 16	1,373
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	May 1	May 1	1,384
108*	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Mar. 18	Mar. 22	1,599
318	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Feb. 1	Feb. 1	3,095
106	7. JARBOE, C. O., Optics; Photography.	Mar. 18	Mar. 23	2,398
133	8. HENRY, C. G., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	July 24	1,255
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	May 15	May 17	1,800
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Mar. 18	Apr. 18	1,683
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 16	Aug. 15	775
380	12. PIERCE, P. P., Machine Elements.	Apr. 3	Apr. 13	1,677
154*	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 29	Apr. 13	1,511
102*	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 16	Apr. 30	1,314
329	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Feb. 12	Feb. 16	2,855
242*	16. SPENCER, C. J., Telegraphy; Telephony.	Mar. 18	Apr. 16	1,347
307	17. RAFTER, O. S., Label Pasting and Paper Hanging; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 21	Apr. 12	1,581
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 23	Apr. 26	1,488
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 23	Apr. 4	2,101
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 16	Apr. 26	1,576
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	May 2	July 12	814
244*	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Apr. 3	May 3	1,614
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers.	Mar. 5	Mar. 8	1,204
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 2	May 1	1,612
202*	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 1	Apr. 2	1,636
228*	26. HODGES, J. S., Electricity, Generation; Motive Power.	Apr. 11	Apr. 11	1,265
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 16	Mar. 18	1,615
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 11	Apr. 22	2,066
160*	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	June 5	May 20	531
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 2	Aug. 21	1,444
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Mar. 29	Apr. 1	2,482
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	Apr. 29	Apr. 26	1,824
152	33. WYMAN, W. L., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 11	Apr. 6	2,430
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Apr. 3	Apr. 29	1,211
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	June 17	July 1	1,622
105	36. MORTON, J. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Mar. 28	Mar. 30	2,249
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Mar. 5	Mar. 12	2,265
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 5	Mar. 9	2,000
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Feb. 18	Feb. 23	1,991
262*	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Mar. 11	Apr. 29	2,977
125	41. BROWN, J. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Apr. 3	Apr. 2	1,385
223*	42. CUTTING, H. O., Electric Signaling.	May 10	June 12	1,610
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Mar. 6	Mar. 6	2,294
253	44. SHAFFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Mar. 5	Mar. 15	2,220
379	45. OLLES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Feb. 16	Feb. 15	2,543
283	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Apr. 10	Apr. 13	1,646
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Feb. 5	Mar. 1	2,637
212*	48. ROEPKE, O. B., Electricity, General Applications.	Mar. 19	Mar. 25	1,416
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 29	June 27	1,268
322	50. BLAKE, O. L., Plastic and Liquid Coating Compositions; Coating.	Mar. 14	Apr. 2	2,801
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Mar. 10	Mar. 20	2,328
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	May 2	Apr. 25	2,366
201*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	July 3	July 6	1,387
341	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Nov. 7	Nov. 21	265
102	55. BOWEN, S. T., Bread, Pastry, and Confection Making; Cutlery.	Mar. 8	Mar. 8	2,555
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	Aug. 12	Aug. 12	542
257*	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 6	Mar. 6	2,379
270*	58. DOWELL, E. F., Abrading; Typewriting.	Apr. 2	May 21	1,193
315	59. RICHARD, V. I., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Mar. 10	Mar. 10	1,354
213*	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conductors and Housings.	Mar. 1	Mar. 1	2,662
269	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Mar. 9	Mar. 11	2,394
245*	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Mar. 18	Mar. 27	2,676
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND. [Trade-Marks, Labels and Prints.]	Nov. 6	Nov. 21	1,574
		Nov. 11	Nov. 26	224

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE EIFFEL

No. 2,246. Decided October 4, 1929

DESIGNS—PATENTABILITY—WRENCH.

A design for a wrench held unpatentable over the prior art, since it discloses no ornamentation possessing originality and beauty sufficient to justify the grant of a patent.

APPEAL from the Patent Office. Affirmed.

Mr. Paul Carpenter and Mr. Ralph B. Stewart for Eiffel.

Mr. T. A. Hostetter for the Commissioner of Patents.

BLAND, J.:

Joseph Eiffel appealed from the decision of the Commissioner of Patents refusing to issue a patent to him for what he termed "certain new and useful improvements in design for wrenches."

The Commissioner's denial of the application was based chiefly on the following grounds, mentioned in the decision:

The appellant's wrench may be distinctive as to appearance in minor details, but such distinctiveness has reference to structural features devised for utilitarian purposes, rather than for the purpose of ornamentation.

The Commissioner further said that the claim was rejected:

... on the ground that the design is not patentable over the disclosures of the cited patent; also, that such differences as exist are for utilitarian rather than ornamental purposes.

The general configuration of the wrench of appellant's design is substantially the same as that of the combination tool shown in M. M. Berg, 1,364,829, January 4, 1921, 81/53. Additional useful modifications have been made over the Berg patent, but there is no ornamentation possessing originality and beauty sufficient to justify granting a design patent under the statute, the purpose of which has oftentimes been declared to be to encourage art and decoration which appeals to the esthetic sense. *Smith & Co. v. Peck, Stone & Wilcox Co.*, 262 F. R. 415; *Ex parte Parkinson*, 1871 C. D. 251.

The rejection of the application by the Commissioner seems to be based upon well-settled principles. Nothing has been shown to us to indicate that the decision was erroneous. The Commissioner's decision is, therefore, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

THE I. E. PALMER COMPANY v. NASHUA MANUFACTURING COMPANY

No. 2,121. Decided October 4, 1929

1. TRADE-MARKS—SAME DESCRIPTIVE PROPERTIES.

Buckram, rice net, and hat net held not goods of the same descriptive properties as bleached and unbleached sheetings, flannels, and dress goods in the piece.

2. SAME—LIKELIHOOD OF CONFUSION.

Where the N. Co. for many years had used on bleached and unbleached sheetings, flannels, and dress goods in the piece a trade-mark consisting of the representation

of an Indian head, held that confusion would not be likely to arise from the use, by the P. Co., of the representation of a quite dissimilar Indian head and the word "Arawana" as a trade-mark for buckram, rice net, and hat net.

APPEAL from Patent Office. Reversed.

Mr. Irving W. Townsend for The I. E. Palmer Company.

Mr. Lester A. Stanley, Mr. John K. Brachvogel, Mr. Harry S. Seidel, and Mr. Sylvester J. Liddy for Nashua Manufacturing Company.

HATFIELD, J.:

This is an appeal, in a trade-mark opposition proceeding, from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences and sustaining the opposition to the registration by appellant of a trade-mark for "textile goods for millinery purposes, namely, buckram, rice net, and hat net." The mark in question consists of a pictorial representation, in profile, of the head and shoulders of an Indian, with a headdress containing a "full set" of feathers, and above which, arranged in a fanciful manner, is the word "Arawana."

The appellee's mark consists of a pictorial representation, in full face, of the head and shoulders of an Indian, with a headdress having but three feathers, and a bow and arrow at the Indian's back; and/or the words "Indian Head." Appellee and its predecessor in business, have used the mark extensively in the United States and in foreign countries for more than seventy-five years on cotton textile fabrics, such as bleached and unbleached sheetings, flannels, and dress goods in the piece. Its merchandise is used for making "ladies' skirts, ladies' dresses, boys' wash play suits, children's dresses, children's bloomers, drawn work for chiffonier covers, men's wash suits for tropical climates, napkins, doilies." Appellee's product has been extensively advertised and is widely known as "Indian Head" goods. The ultimate consumers are manufacturers, and those of the general public, mostly women, doubtlessly, who purchase the piece goods from retail stores.

The word "Arawana" has been used by appellant, alone and in association with other words, for many years. The mark in question, however, has been used only since 1919 for millinery "buckram, rice net, and hat net." The goods upon which appellant's mark is used is made specially for millinery purposes and is used solely by manufacturers of women's hats in the manufacture of hat frames. In this connection the witness, Palmer, the treasurer of appellant company, said:

These goods are used in the manufacture of hat frames and the first step is the shaping of the crown and the brim. Buckram, rice net and hat net may be used for this purpose, the buckram being preferable for larger hats on account of its greater rigidity. The long rolls are usually cut crosswise into from three to five pieces, thus forming small rolls, usually from fourteen to sixteen inches wide. These small rolls are then unrolled and the strips cut into squares, which are moistened until they become somewhat

limp and are then stamped on hot dies of forms into crowns or brims of the required shape. The crown and brim are then usually put together and the edges finished with wire, and usually some other material such as flexible hat net. Flexible hat net is often added to the frame in order to give it the required shape or style.

It further appears that the millinery textiles of appellant reach the consuming public only as a basic part of women's hats. The ultimate consumer, therefore, is the hat manufacturer.

Appellant also manufactures hammocks, couch hammocks, mosquito nettings, window-screen cloth, crinoline, and dress linings. The mark in question, however, is not used upon any of these articles.

It appears from the record that appellant's goods have never been known or sold under the name "Indian Head." Its mills are located on the Arawana River at Middletown, Conn., and have been known as "Arawana Mills" since 1864. The word "Arawana" was, at one time, the name either of an Indian chief or of an Indian tribe, and this accounts for the association of the name, in the trade-mark of appellant, with the pictorial representation of an Indian head.

The millinery textiles, "buckram, rice net, and hat net," are described by the witness, Palmer, as follows:

Buckram, at least in the millinery trade, generally means a material composed of two or more plies of fabric and a proportionately large amount of sizing material. Rice net is a single fabric made of piled yarns in open mesh leno weave. Hat net for the most part is somewhat closer weave fabric of piled yarns, although occasionally single coarse yarns are used. The chief characteristic of these goods is similar to buckram, that is to say, they contain a large amount of sizing material.

The two or more plies are combined together during the finishing process, that is to say, after the goods have been woven.

The fabrics have been treated with sizing material until in the finished goods the sizing materials make up forty per cent or more of the total weight.

The merchandise is composed of cotton and sizing material, and the fabric is so woven as to make it possible to treat it with sizing material. It is not as closely woven as the goods of appellee. It is of "lower count" and the yarns are somewhat heavier. The sizing is used to give stiffness and rigidity. It is put into rolls and shipped in bales of fifteen rolls, each.

Each of the tribunals below held that the characteristics and uses of the goods of the contending parties were such as to make confusion between them unlikely. It was held, however, that the mark of appellant was so similar to that of appellee that the "average purchaser" seeing the marks would be apt to believe that the goods were manufactured by the same concern.

The First Assistant Commissioner said:

"The applicant company has vigorously urged that these goods do not possess similar characteristics to the goods of the opposer. It is clear enough the specific purposes for which the goods of the applicant company and of the opposer company are used are different, but in a general way they are woven cotton fabrics, sold in the piece or roll, and while no one would be likely to confuse the applicant's goods with those of the opposer, yet on seeing the same trade-mark on both, would be quite likely to think both classes of goods had the same origin. (Italics ours.)"

The law prohibits the registration of—trade-marks which are identical with a registered or known trade-mark owned and in use by another and appropriated

to merchandise of the same descriptive properties, or which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers. 15 U. S. C. A., section 85.

[1] It is obvious that the trade-marks of the contending parties are not identical. Accordingly, we must turn to the second clause of the statute to determine whether the prohibitions therein contained are applicable to the case before us. We must first determine, therefore, whether the trade-marks of the parties are appropriated to merchandise of the same descriptive properties. If they are, we must then proceed to determine whether the trade-mark of appellant so nearly resembles the trade-mark of appellee "as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers." Unfortunately, the decisions are not in accord as to the meaning to be given to the language "merchandise of the same descriptive properties." Some courts have gone so far as to hold that, if goods are dissimilar, they do not have "the same descriptive properties," while other courts have taken into consideration the questions of confusion, mistake, and deceit, and have held that if the use of an applicant's trade-mark would tend to cause confusion or mistake in the trade, or to make deceit likely, the goods have "the same descriptive properties," even though they may be dissimilar. It would seem to be obvious that, if the so-called dissimilarity rule is followed, confusion, mistake, and deceit must result.

In the case of *California Packing Corp. v. Price-Booker Mfg. Co.*, 52 Appls. D. C. 259, the Court of Appeals of the District of Columbia, in an opinion by Smyth, Chief Justice, among other things, said:

The paragraph implies that, if the mark would not distinguish the goods of its owner from other goods of the same class, it should be denied registration. No interpretation of the phrase "the same descriptive properties," which occurs in the same section, applicable to all cases alike, has ever been given, so far as we know. The courts have been content with deciding in each case as it arose either that the goods did or did not possess those qualities, without going further. We think the dominant purpose of the part of the section here involved is the prevention of confusion and deception. If the use of the later mark would be likely to produce either, the mark should be rejected. Whenever it appears that confusion might result, it is because the goods have the same descriptive properties. We reason from the effect to the cause. For instance, no one would be deceived into believing that a can of tobacco and a can of peas were put out by the same concern, simply because they bore similar trade-marks.

Turning now to the goods of the parties to this litigation, we find that they are sold in the same stores, are put out in small containers, are used in connection with each other, and are associated in the public mind. We think that a person seeing the mark in question on a container of pickles would be likely to assume that they were produced by the same concern as that which produced the canned fruits or vegetables bearing a similar mark. At least we are not clearly convinced that he would not be, and therefore we hold against the newcomer.

While we do not mean to be understood as saying that the rule thus announced is sufficiently full and comprehensive to cover every possible situation, we are, nevertheless, of the opinion that it was the intention of the Congress to prevent, if possible, confusion, mistake, and deceit in the use of trade-marks. Obviously, merchandise of contending parties may be dissimilar, and yet the trade-marks thereon may so nearly resemble each other as to cause, when the merchandise is sold to the general public, confusion

and mistake, and to make deceit an easy matter of accomplishment.

The record clearly establishes that the merchandise of the contending parties is composed of woven cotton yarn. There the similarity ends. The merchandise of appellant has a different weave than that of appellee, it is heavily sized to give it stiffness and rigidity, whereas, that of appellee is soft and pliable. The two products are used for entirely different purposes, and, according to the record, can not be used for like purposes. That of appellant is used in the making of frames for women's hats. The hats are covered with other material and are then trimmed before they are sold to the general public. On the other hand, the merchandise of appellee is sold, not only to manufacturers of "ladies' skirts, ladies' dresses, boys' wash suits, children's dresses, children's bloomers," etc., but also to retail stores, to be, in turn, disposed of to the ultimate consumers—the general public. So, we find that the ultimate consumers of appellant's merchandise are hat manufacturers, while the ultimate consumers of the merchandise of appellee are manufacturers of articles other than hats, and the general public as well. The goods of the contending parties, while not entirely dissimilar, are so fabricated as to be dedicated to entirely different uses and are sold to entirely different trades. They are not competitive, nor are they so closely related as to be sold to the same purchasers. The ultimate consumers of appellant's goods are intelligent and discriminating buyers. Obviously, the sense of discrimination and discernment of trade purchasers is greater than that of the general public.

[2] It must be borne in mind that the marks are not identical. Furthermore, they resemble one another only in that each contains a pictorial representation of the head and shoulders of an Indian. These representations, however, are not only not identical, but quite dissimilar. Moreover, although we do not place great stress upon this testimony, none of the witnesses for appellee had ever known of any confusion in the trade resulting from appellant's use of its trade-mark. Therefore, measured by the rule announced in the *California Packing Corp. case*, supra, we are of opinion that there is no likelihood whatever of resulting confusion, mistake, or the practice of deceit, if the trade-mark of appellant is registered. In reaching this conclusion we are not unmindful of the general rule, recognized by most authorities, permitting appellee, in the natural extension of its business, to legitimately extend the use of its trade-mark.

The decision is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE TRAVIS

No. 2,155. Decided October 4, 1929

PATENTABILITY—BED SPRINGS.

A claim for a bed spring held unpatentable over the prior art since the substitution of helical springs in one of the patented structures and the inclusion of the specific means for connecting them in a common plane would not be inventive.

APPEAL from Patent Office. Affirmed.

Mr. Charles D. Davis for Travis.

Mr. T. A. Hostetler for the Commissioner of Patents.

LENROOT, J.:

This is an appeal from the decision of the Board of Appeals affirming the action of the Examiner in rejecting claims 1 to 7, inclusive.

Upon the hearing of the appeal appellant withdrew six of the claims as being surplusage, and elected to retain claim 6, reading as follows:

In a bed spring, a frame and a plurality of double deck coiled cushion springs, each spring having an intermediate substantially horizontal coil, the several horizontal coils being in the same horizontal plane, and substantially horizontal tensioned helical connectors disposed radially about each spring, each connector being secured at opposite ends to the intermediate horizontal coils of adjacent springs, and additional helicals connecting the horizontal coils of the outer springs to said frame.

The construction claimed is a spring bed bottom. The invention relates particularly to the means employed for connecting the springs together so as to provide a tensioned intermediate web extending across the spring bed bottom. As stated by the Examiner:

This web holds the deep springs in position, distributes weight more uniformly and furnishes a bottom zone in the spring which is very resilient yet firm and capable of absorbing severe or unusual shocks.

The references relied upon for the rejection are Hunt, 1,027,051, May 21, 1912; Shannon, 1,089,978, March 10, 1914; and Kreuzkamp, 1,372,702, March 29, 1921, the Shannon reference being taken as the basic reference.

The claim as above quoted brings out all the essential features of applicant's device.

The need for the invention claimed is stated in appellant's original specification, as follows:

In coiled spring constructions of the best type it has been found that in order to furnish the desired flexibility and resiliency, it is desirable to use a relatively large number of coiled springs and said springs should preferably be of considerable vertical depth, and by reason of the relatively large number of springs the diameter of the wire of which they are made is usually less than in the case of a bed spring employing a relatively smaller number of, and more widely spaced, coiled springs. Hence, by reason of the depth or height of the spring, its relative greater flexibility and smaller diameter, both of the coils themselves and of the wire of which the coils are made, it is of importance to provide means for preventing the buckling or tipping of the center or intermediate portion of the coiled spring when loaded or otherwise. In the past such intermediate bracing or center support has usually been secured by the use of substantially inextensible wires or straps engaged with the middle coils of the springs and extending horizontally between the adjacent springs.

Appellant's device to prevent the buckling or tipping of the springs when loaded consists of a multiplicity of small helical springs which are arranged in the same horizontal plane and connect together adjacent horizontal waist line coils of the double deck springs, the outer series of these small helicals being connected to the bed frame members all around the frame. All of these helicals are under tension, so that the weblike structure resulting is rendered elastic in all directions.

It is asserted that the normal tendency of all these small helical springs is to maintain the horizontal coils or rings of the load springs properly centered, and that they serve very materially to add resiliency to the bed.

In the Hunt reference the double deck springs are connected by helical springs in practically the same way as appellant proposes, but they are not attached

to the bed frame, are at an oblique angle to the vertical axis of the load springs, and apparently not under tension. They are referred to in the Hunt specification as "spacers," and their purpose seems to have been to space the load springs with reference to each other.

In the Shannon reference the rings at the waist line of the springs are disclosed, and the coils are connected together by wires and helical springs. The helical springs connect the wires to the bed frame and there is also a row of helical springs in the middle of the bed spring, all of the helical springs being under tension. Transverse wires connect the double deck springs longitudinally, without any helical springs, and apparently the longitudinal wires are not connected to the bed frame. The Board held that to substitute helical springs for the wire bracing connectors of Shannon would not involve invention in view of the Hunt disclosure, and also that the inclusion of the specific means by which the helicals are connected to the spring in a common plane at a right angle to the axis of the spring was shown by Shannon. We agree with the Board, and while it is true that applicant's device of securing tension to the helicals by attaching them to all four sides of the bed frame, instead of two as shown by Shannon, this is only an extension of the principle shown by the Shannon and Hunt patents and does not involve invention.

The use of helical springs is fully shown by Hunt, and the securing of tension and the means of placing helicals in a common plane at a right angle to the axis of the spring is shown by Shannon.

The decision of the Board of Patent Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4821, R. S., as amended Feb. 18, 1922]

1,016,897. (See 1,275,478.)

1,071,027, F. A. Bruckman, Automatic pastry-making machine, filed Sept. 25, 1929, D. C., N. D. Calif. (San Francisco), Doc. 2446-K, *McLaren Consolidated Cone Corp. v. American Baking Co.*

1,073,644, Sutton & Steele, Separating table and process of separation; 1,315,881, H. M. Sutton et al., Process of and apparatus for separating and grading materials, C. C. A., 4th Cir., Doc. 2825, *Gulf Smokeless Coal Co. et al. v. Sutton, Steele & Steele et al.* Decree affirmed Oct. 18, 1929.

1,105,924, Pridham & Jensen, Telephone; 1,266,988, same, Amplifying receiver; 1,448,279, 1,579,392, same, Electrodynamical receiver, filed May 28, 1929, D. C., Minn. (St. Paul), Doc. E 1562, *The Magnavox Co. v. Wright-De Coster, Inc.*

1,125,476, G. Claude, System of illuminating by luminescent tubes, D. C., S. D. N. Y., Doc. E 50/135, *Claude Neon Lights, Inc. v. L. E. Waterman Co.* Consent decree granting injunction Oct. 24, 1929.

1,142,361, G. Ornstein, Process of antisepticizing water, filed Sept. 6, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-23-J, *Electro Bleaching Gas Co. et al. v. City of Los Angeles.*

1,199,124, W. O. Snelling, Food products, appeal filed Oct. 23, 1929, C. C. A., 2d Cir., Doc. 10,662, *W. O. Snelling v. Dornell Potato Products Co.*

1,217,853, W. B. Wigle, Combination casing head and spider; 1,598,794, A. E. Warren, Well control head, (counterclaim June 13, 1929), filed Apr. 18, 1929, D. C., S. D. Calif. (Los Angeles), Doc. P-55-J, *Regan Forge & Engineering Co. v. W. D. Shaffer (Shaffer Tool Works).*

1,245,328, W. Freeman, Method and apparatus for pulverizing molten material; 1,650,136, A. Koberle, Means for blowing mineral wool, filed Aug. 16, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-21-J, *L. M. Wood et al. v. J. Meamer (St. Louis Fire Brick & Clay Co.).*

1,266,988. (See 1,105,924.)

1,275,478, C. C. Ryan, Lock nut and bolt; 1,016,897, same, Nut lock, filed Aug. 17, 1929, D. C., Minn. (St. Paul), Doc. E 1645, *C. C. Ryan v. Inland Steel Co.*

1,283,404, H. L. Feasel, Mop, filed Oct. 7, 1929, D. C., S. D. Calif. (Los Angeles), Doc. E O-11-M, *O-Cedar Corp. v. J. M. Robertson (O-U-Dust Co.).*

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, D. C., S. D. Calif. (Los Angeles), Doc. O-112-M, *Alemite Mfg. Corp. v. J. Kraus (Eastern Auto Supply Co.).* Decree of infringement Sept. 11, 1929. Same, Doc. O-120-M, *Alemite Mfg. Corp. v. N. Schlegel (Manual Arts Hardware Co.).* Decree as above.

1,307,734. (See 1,307,733.) 1,315,881. (See 1,073,644.)

1,428,044, G. C. Martin, Concrete-pipe machine, filed July 25, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-2-M, *Martin Iron Works et al. v. Snow Mfg. Co.*

1,448,279. (See 1,105,924.)

1,464,880, W. R. Mestice, Coat and method of making, D. C., S. D. N. Y., Doc. E 44/67, *W. R. Mestice v. Oarbach's Affiliated Stores, Inc.* Consent decree for plaintiff Oct. 25, 1929.

1,465,585, F. Mossberg, Spool; 1,536,680, McLaine & Borough, Casing head, D. C., Colo. (Denver), Doc. 8902, *C. A. Rasmussen, et al. v. Stearns-Roger Mfg. Co.* Consent decree for plaintiff (notice Oct. 23, 1929).

1,466,656, Barr & Jackson, Electric toaster, filed Oct. 25, 1929, D. C., W. D. Mich. (Grand Rapids), Doc. 2293, *H. C. Levine v. Sears, Roebuck and Co. et al.*

1,536,680. (See 1,465,585.)

1,544,986, O. Hovden, Fish-beheading and entrail-removing machine, filed Oct. 14, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-50-M, *O. Hovden v. Christiansen & Quamma et al.*

1,566,256, Front & Butler, Casing clamp; 1,566,257, W. A. Trout; same, 1,572,052, Trout & Butler, Casing head, D. C., Colo. (Denver), Doc. 8903, *C. A. Rasmussen et al. v. Stearns-Roger Mfg. Co.* Consent decree for plaintiff (notice Oct. 23, 1929).

1,566,257. (See 1,566,256.) 1,572,052. (See 1,566,256.) 1,579,392. (See 1,105,924.) 1,598,794. (See 1,217,853.) 1,650,136. (See 1,245,328.)

1,681,443, H. H. Steinman, Antifrost device for windows, filed Aug. 28, 1929, D. C., Minn. (St. Paul), Doc. E 1646, *Peerless Novelty Co. v. No-Frost Clear Vision Shield Co.*

Re. 16,251, O. B. Schellberg, Medical apparatus for use in proctotherapy, D. C., S. D. N. Y., Doc. E 36/190, *O. B. Schellberg v. J. Empringham et al.* Consent decree for plaintiff Oct. 24, 1929.

Re. 17,323, R. D. Davies, Process of facing the cutting edges of drilling tools, filed Aug. 15, 1929, D. C., S. D. Calif. (Los Angeles), Doc. E Q-17-M, *P. L. & M. Co. v. H. E. Ruggles (The Carbide Co.) et al.* Same, filed Aug. 24, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-20-M, *P. L. & M. Co. v. Richfield Oil Co. of California.*

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 17, 1929

[Vol. 389. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 290,839. C. D. KEPNER LEATHER CO., Boston, Mass. Filed Oct. 9, 1929.

SPORTETTE

For Shoe Leather.
Claims use since Sept. 1, 1929.

Ser. No. 291,061. MAURICE LEVY, New York, N. Y. Filed Oct. 14, 1929.

LAVISTA

For Sponges.
Claims use since 1919.

CLASS 2

Receptacles

Ser. No. 275,479. CENTRAL FIBRE CO. INC., South Gardner, Me. Filed Nov. 19, 1928.

Fibex

For Fibre Flowerpots, Fibre Milk and Cream Bottles.
Claims use since Jan. 2, 1926.

Ser. No. 280,138. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Mar. 1, 1929.

NUJOL

For Cartons.
Claims use since June 19, 1928.

Ser. No. 286,044. THE ENGLISH TEXTILOSE MANUFACTURING COMPANY LIMITED, Manchester, England. Filed June 24, 1929.

TEXTILOSE

For Bags and Sacks of Cellulose Fibre.
Claims use since Oct. 1, 1921.

Ser. No. 286,877. GILMAN PAPER COMPANY, New York, N. Y. Filed July 10, 1929.



Applicant disclaims the use of the words "No-Tare" apart from the mark as shown.

For Paper Bags.
Claims use since 1918.

Ser. No. 290,909. RICE, TREW & RICE CO. INC., Biglerville, Pa. Filed Oct. 10, 1929.

R. T. R.

For Paper Liners for Baskets.
Claims use since June 1, 1929.

Ser. No. 290,995. ANNIE CHANDLER, Toledo, Ohio. Filed Oct. 12, 1929.



For Paper Wrappers for Waste Material.
Claims use since May, 1928.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 276,932. FLORIAN, INC., Detroit, Mich. Filed Dec. 18, 1928.

Brisk

For Shaving Cream.
Claims use since Nov. 27, 1928.

Ser. No. 278,282. DAJAN CHEMICAL COMPANY, Boston, Mass. Filed Jan. 22, 1929.

FLORITE

For Soaps—Namely, Laundry, Toilet, and Shaving; Dry Cleaners, Polishes—Namely, Metal, Silver, and Shoe; Floor Cleaners.
Claims use since Dec. 14, 1928.

Ser. No. 282,238. THE GLESSNER COMPANY, Findlay, Ohio. Filed Apr. 11, 1929.

Glessner's
Kieiein
Lotion-
Lather

The words "Lotion Lather" are disclaimed apart from the mark shown in the drawing.
For Shaving Soap in Cream Form.
Claims use since Jan. 5, 1929.

Ser. No. 284,580. THE LIGHTNIN CHEMICAL COMPANY, Painesville, Ohio. Filed May 24, 1929.

LIGHTNIN'

For Bowl Cleaner.
Claims use since Mar. 6, 1928.

Ser. No. 284,929. AVA LIMITED, Aldwyth, London, England. Filed June 3, 1929.

AVA

For Perfumed Soap.
Claims use since Mar. 23, 1928.

Ser. No. 289,797. FRED MULHENS INC., New York, N. Y. Filed Sept. 14, 1929.

GAVOTTE

For Soaps, Toilet Soap, Shaving Soap, Glycerine Soaps, Bath Soaps, Cream Soap, Liquid Glycerine Soap, and Silver-Cleaning Soap, and Shaving Cream.
Claims use since Sept. 6, 1929.

Ser. No. 289,972. FRED I. JADEN, doing business as F. Jaden Mfg. Co., Hastings, Nebr. Filed Sept. 19, 1929.

Goldenite Cutting Cloth

No claim being made to the exclusive use of the words "Cutting Cloth," apart from the mark as shown in the drawing.

For Emery Cutting Cloth.
Claims use since June 21, 1929.

Ser. No. 291,278. LAUREL SOAP MANUFACTURING CO., INC., Philadelphia, Pa. Filed Oct. 19, 1929.

Laurel

For Soap, Scouring Compounds, and Cleaning Compounds for Textile Fabrics, and Sulphonated Oils for the Treatment of Leather.
Claims use since 1909.

Ser. No. 291,293. JOHN E. SALM, doing business as The Pargrip Company, Albany, N. Y. Filed Oct. 19, 1929.

PARGRIP

For Antislipping Preparation Applied to the Handgrip Portion of Golf Clubs, Tennis Rackets, Baseball Bats, and the Like.
Claims use since Aug. 29, 1929.

Ser. No. 291,567. THE MINNESOTA CHEMICAL CO., INC., St. Paul, Minn. Filed Oct. 25, 1929.

Rekab Soap Chips

The words "Soap Chips" are disclaimed apart from the other features of the mark shown in the drawings.
For Soap Chips.
Claims use since Oct. 1, 1915.

Ser. No. 291,568. THE MINNESOTA CHEMICAL CO., INC., St. Paul, Minn. Filed Oct. 25, 1929.

MINCOLITE

For Household Cleaning Product—Namely, Chemical Crystals.
Claims use since July 1, 1925.

Ser. No. 291,569. THE MINNESOTA CHEMICAL CO., INC., St. Paul, Minn. Filed Oct. 25, 1929.

Ferret Scouring Powder

The words "Scouring Powder" are disclaimed apart from the other features of the mark shown in the drawing.
For Scouring Powder.
Claims use since Aug. 1, 1919.

Ser. No. 291,571. THE MINNESOTA CHEMICAL CO., INC., St. Paul, Minn. Filed Oct. 25, 1929.

Gopher Soap Powder

The words "Soap Powder" are disclaimed apart from the other features of the mark shown in the drawing.
For Soap Powder.
Claims use since June 1, 1917.

Ser. No. 291,641. THE TONSOR COMPANY, St. Louis, Mo. Filed Oct. 26, 1929.

TONSOR

For Liquid Preparation for Shaving Purposes.
Claims use since Sept. 15, 1928.

Ser. No. 291,774. CHARLES W. KENSINGER, doing business as Servu Cleaner & Mfg. Co., Wilkensburg, Pa. Filed Oct. 30, 1929.

SERVU

For Wall-Paper Cleaner in Paste Form.
Claims use since Aug. 2, 1929.

Ser. No. 292,136. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Nov. 7, 1929.

OLD GOLD

For Shaving Cream.
Claims use since Oct. 30, 1928.

Ser. No. 292,138. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Nov. 7, 1929.

SUPERTEST

For Shaving Cream.
Claims use since June 18, 1929.

Ser. No. 292,140. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Nov. 7, 1929.

SANITEST

For Shaving Cream.
Claims use since May 30, 1929.

Ser. No. 292,141. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Nov. 7, 1929.

TRUSEPTIC

For Shaving Cream.
Claims use since June 13, 1929.

Ser. No. 292,144. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Nov. 7, 1929.

QUALITEST

For Shaving Cream.
Claims use since June 7, 1929.

Ser. No. 292,200. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Nov. 9, 1929.

FLEXBAC

For Abrasive Paper and Cloth and Waterproof Abrasive Paper and Cloth in the Form of Sheets, Rolls, Pads, Discs, Strips, Colls, and Special Shapes.
Claims use since July, 1919.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 262,797. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Filed Mar. 8, 1928.

Sunkist

For Citrus Oils and Citric Acid.
Claims use since Jan. 26, 1928.

Ser. No. 271,412. SOHN & O'HARA, doing business as The Nocout Co., Baltimore, Md. Filed Aug. 22, 1928.

NOC OUT

For Cold Tablets, Cough Syrup, and Liniment, Used as a Local Anodyne and as a Rubefacient.
Claims use since Jan. 1, 1928.

Ser. No. 273,620. BARIUM REDUCTION CORPORATION, Charleston, W. Va. Filed Oct. 10, 1928.

RED CAP

For Sodium Sulphide.
Claims use since Aug. 29, 1928.

Ser. No. 274,248. ANNA YAFFE, doing business as Yaffe Company, Philadelphia, Pa. Filed Oct. 24, 1928.



For Medicinal Remedy for Asthma.
Claims use since Sept. 26, 1928.

Ser. No. 280,753. AMERICAN YVETTE COMPANY, INC., New York, N. Y. Filed Mar. 15, 1929.

Catherine Day TANETTE

For Face Powder and Lotions.
Claims use since Feb. 8, 1929.

Ser. No. 282,770. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Filed Apr. 22, 1929.

Sunkist

For Citrus Oils and Citric Acid.
Claims use since Jan. 26, 1928, on citrus oils, and since Sept. 1, 1928, on citric acid.

Ser. No. 285,121. SAMUEL TINSKY, doing business as Pyorofom Laboratories, New York, N. Y. Filed June 5, 1929.

PYOROFORM

For Tooth Paste and Antiseptic Liquid Preparation.
Claims use since May 15, 1929.

Ser. No. 286,714. THE PEP BOYS—MANNY, MOE & JACK, doing business as Varsity Products Company, Philadelphia, Pa. Filed July 6, 1929.

Varsity

For Liquid Preparation for Stopping Leaks in Radiators.
Claims use since May 1, 1929.

Ser. No. 286,927. THE CRYSTAL CHEMICAL COMPANY, INC., Bronx, N. Y. Filed July 11, 1929.



The drawing is lined for color, there being girls costumed with yellow dresses or capes, blue or green stockings, blue bathing suits, red dresses, yellow car, and trees of green in a background of purple, the turf surface being green.

For Face Powders.
Claims use since Jan. 15, 1928.

Ser. No. 287,876. KNOX COMPANY, Kansas City, Mo. Filed July 30, 1929.

Johnson's Mendaco

For Cold Tablets.
Claims use since July 25, 1929.

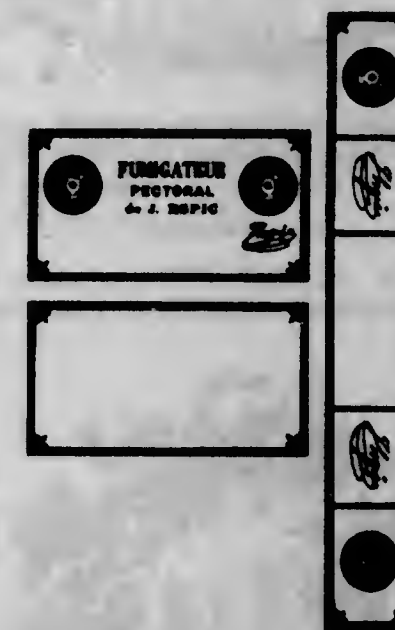
Ser. No. 288,421. HOLLYWOOD HAIR-RE-NEW LABORATORIES, Los Angeles, Calif. Filed Aug. 12, 1929.



The portrait appearing on the said drawing is fanciful. The applicant does hereby disclaim all the wording appearing thereon.

For Preparation for Shampooing the Hair.
Claims use since July 24, 1928.

Ser. No. 288,479. LOUIS JULIEN PIOT, Paris, France. Filed Aug. 13, 1929.



"Fumigateur, Pectoral," and "Cigarettes" being disclaimed apart from the mark shown in the drawing, the signature being the facsimile signature of J. Espic, deceased, the founder of the business in which the mark herein is employed.

For Medicated Cigarettes for the Treatment of the Respiratory Passages.
Claims use since May, 1896.

Ser. No. 288,517. EDWARD M. BRATTER, New York, N. Y. Filed Aug. 14, 1929.

DRI-STEEM

For Chemical Preparation Used in Connection with Steam-Fitting and Plumbing Supplies—Namely, a Chemical Preparation Designed to Decrease the Amount of Moisture in Steam Under Pressure, and to Decrease the Priming and Foaming of Steam Boilers, and to Clean Steam Boilers, and to Soften the Water Used in the Making of Steam, and in General to Make Steam Under Pressure More Convenient to Handle.
Claims use since Aug. 10, 1929.

Ser. No. 288,843. CHARLES BOUTET, Paris, France. Filed Aug. 22, 1929.



For Cod-Liver Oil.
Claims use since June 6, 1929.

Ser. No. 289,198. STEVE MARTIN, St. Louis, Mo. Filed Aug. 30, 1929.



MAAZE

No claim being made to the words "Hair Restorer" and the representation of the container apart from the mark shown. The portrait shown in the drawing is fanciful.
For Hair Restorer and Hair Dye.
Claims use since December, 1928.

Ser. No. 289,255. SUN DIAL SANITARY SALES CO., INC., New York, N. Y. Filed Aug. 31, 1929.



For Liquid Germicide, Insecticide, Fly and Moth Spray, Oil for Destroying Plant Insects, Liquid Disinfectant, Liquid Deodorant, and Liquid Spray Used to Destroy the Germs in the Air.
Claims use since Aug. 16, 1929.

Ser. No. 289,319. LOUIS NATURAL HAIR RESTORER COMPANY, Jourdan, Tex. Filed Sept. 4, 1929.

LOUIS'
Natural Hair Restorer



No claim being made to the words "Natural Hair Restorer." The portrait shown in the drawing is fanciful.
For Natural Hair Restorer.
Claims use since July 1, 1929.

Ser. No. 289,391. THE CUTINO COMPANY, Kansas City, Mo. Filed Sept. 6, 1929.

Formula-D

No claim is made to the word "Formula" apart from the mark as shown.
For Tooth Paste and Tooth Powder.
Claims use since July, 1924.

Ser. No. 289,604. TROPONWERKE DINKLAGE & Co., Cologne-Mulheim, Germany. Filed Sept. 10, 1929.

Novo-Tropen

For Medicinal and Pharmaceutical Preparations.
Claims use since Oct. 3, 1928.

Ser. No. 289,812. AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Sept. 16, 1929.

Air-Way

For Chemical Compositions for Combating Insects.
Claims use since Mar. 1, 1928.

Ser. No. 289,823. PEAC EDWARDS, doing business as Standard Engineering & Lubricating Co., New York, N. Y. Filed Sept. 16, 1929.



For Preparation Used for the Purpose of Eliminating and Removing Rust from Boilers and Steam Pipes.
Claims use since about Feb. 1, 1923.

Ser. No. 290,029. WILBERT E. PEASE, doing business as The P. C. Laboratory, Chicago, Ill. Filed Sept. 20, 1929.



For Hair Pomade and Blemish Cream.
Claims use since on or about Feb. 6, 1928.

Ser. No. 290,792. PAAS DYE COMPANY, Newark, N. J. Filed Oct. 8, 1929.

Paas Liquid Marble

For Dyes.
Claims use since Jan. 1, 1884.

Ser. No. 290,871. BARLOW AND GRISLER MFG. CO., Brooklyn, N. Y. Filed Oct. 10, 1929.

DAR HAR

For Hair Restorer.
Claims use since Sept. 12, 1929.

Ser. No. 291,308. ZERST PHARMACAL COMPANY INC., St. Joseph, Mo. Filed Oct. 19, 1929.

ZER-LAX

For a Preparation for the Treatment of Constipation, Sour Stomach, Flatulence and Bad Breath Due to Belching from Constipation, and for Acidity of Stomach and Gastric Distress Due to Excess Acid, and Which Also Acts as a Diuretic to the Kidneys, Increasing the Flow of Urine.
Claims use since Jan. 20, 1929.

Ser. No. 291,422. ANDERSON-PRICHARD OIL CORPORATION, Oklahoma City, Okla. Filed Oct. 23, 1929.

PETROBENZOL

For Petroleum By-Product Cut to Specifications for the Purpose of Replacing the Use of Benzol to the Lacquer and Rubber Industries.
Claims use since Aug. 1, 1929.

Ser. No. 291,454. HOUSEHOLD UTILITIES CO., Chicago, Ill. Filed Oct. 23, 1929.

**Gentil
GRANDEUR**

For Mentholated Cream, Hair Pomade, Styptic Pencil, After-Shaving Lotion, Talcum Powder, Hair Tonic, and Shampoo.
Claims use since Sept. 28, 1929.

Ser. No. 291,462. JOHN N. McMATH, doing business as Rosemary Shelton Preparations, Upper Montclair, N. J. Filed Oct. 23, 1929.

Bridal Hour

For Skin Cream, Face Powder, Toilet Water, Lip Ointment, Rouge, Bath Salts, Eyebrow Pencils; Vanity-Case Refills—Namely, Face Powder and Rouge in Cake Form; Skin Ointment, Perfume, Lip Crayons, Lip Sticks, Bath Powder, Hand Lotion.
Claims use since July 5, 1929.

Ser. No. 291,527. MRS. POMEROY, LIMITED, Walham Green, London, and London, England. Filed Oct. 24, 1929.



For Lotions for the Face and Hands to Soften the Skin and Prevent Chapping, Lotions for the Hair, Lotions for the Eyes, Lotions for the Feet, Creams for the Skin to Preserve the Same, Lip Salves, Tooth Paste, Shampoo Powder, Face Powders, and Scent.
Claims use since 1923.

Ser. No. 291,531. CHESTER E. SAWYER COMPANY, Boston, Mass. Filed Oct. 24, 1929.

FORM-DENT

For Tooth Paste.
Claims use since on or about Aug. 1, 1916.

Ser. No. 291,626. AUGUST GUSTAV LUEBERT, Coatesville, Pa. Filed Oct. 26, 1929.

Ka-No-Mor

For Capsules for Treating Muscular Pains and Aches.
Claims use since May 1, 1929.

Ser. No. 291,650. EDWARD A. WELTERS, Jacksonville, Fla.
Filed Oct. 26, 1929.

LOV-KIS

For Perfumes and Toilet Waters.
Claims use since on or about Oct. 10, 1929.

Ser. No. 291,884. WILLETT J. LA TOURRETTE, doing business as Mob, Denver, Colo. Filed Nov. 1, 1929.

MOB

For Laxatives and Compounds for the Treatment of Stomach Disorders.
Claims use since Feb. 1, 1929.

Ser. No. 291,887. THE NADOX Co., New Rochelle, N. Y.
Filed Nov. 1, 1929.

NaDox

For Antacid Digestant.
Claims use since Oct. 15, 1929.

Ser. No. 291,901. WILLIAM C. BARNICH, doing business as Cheboygan Drug Company, Cheboygan, Mich. Filed Nov. 2, 1929.



No claim is made to the words "The New Discovery for Stomach Ailments" except in association with the mark as shown.
For Medicinal Preparation for the Alleviation and Correction of Digestive Disorders.
Claims use since Sept. 27, 1928.

CLASS 7

Cordage

Ser. No. 291,102. YNCHAUSTI & Co., Manila, P. I., and San Francisco, Calif. Filed Oct. 15, 1929.

YNCHAUSTI-ROPE-FACTORY

Y-CO

The words "Ynchausti-Rope-Factory" are disclaimed except as used in connection with the balance of the mark as shown.

For Manila Rope, Sisal Rope, and Cordage.
Claims use since Apr. 1, 1927.

Ser. No. 291,103. YNCHAUSTI & Co., Manila, P. I., and San Francisco, Calif. Filed Oct. 15, 1929.

YNCHAUSTI-ROPE-FACTORY

The words "Ynchausti-Rope-Factory" are disclaimed except as used in connection with the balance of the mark as shown.

For Manila Rope, Sisal Rope, and Cordage.
Claims use since Apr. 1, 1927.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 289,730. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended 1920.

Filene's

For Cigar Holders, Cigarette Holders, Cigar Cases, Cigarette Cases, Cigarette Snubbers, Ash Trays, Pipes, Humidors, Tobacco Jars, Ash Stands, Smoking Stands, and Cigarette Boxes.

Claims use since on or about Jan. 1, 1928.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 291,941. VULCAN MATCH CO., INC., New York, N. Y. Filed Nov. 2, 1929.



No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches, Made in Sweden" apart from the mark as shown in the drawing.
For Matches.

Claims use since Sept. 4, 1929.

Ser. No. 291,943. VULCAN MATCH CO., INC., New York, N. Y. Filed Nov. 2, 1929.



No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches, Made in Sweden" apart from the mark as shown in the drawing.
For Matches.

Claims use since Oct. 29, 1929.

CLASS 12

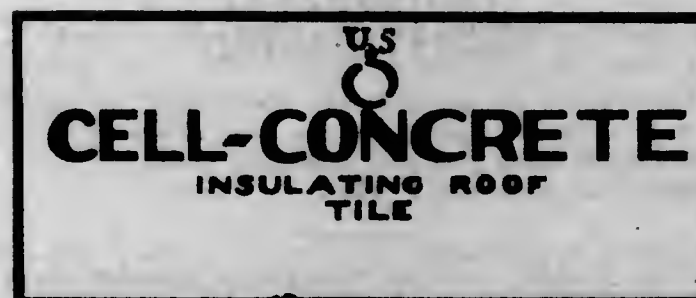
Construction Materials

Ser. No. 271,843. AMESITE ASPHALT COMPANY OF AMERICA, Philadelphia, Pa. Filed Sept. 1, 1928.

Macurban

For Road-Patching Materials of an Asphalt Nature.
Claims use since Aug. 1, 1928.

Ser. No. 272,013. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Sept. 6, 1928.



The word "Concrete" is disclaimed apart from the mark as shown. No claim is made to the words "Insulating Roof Tile" apart from the mark as shown.

For Concrete Molded Products—Namely, Light-Weight Tile and Blocks.

Claims use since June 25, 1928.

Ser. No. 289,497. BLUE DIAMOND CEMENT CO., Los Angeles, Calif. Filed Sept. 9, 1929.

BLUE DIAMOND

For Building Cement.
Claims use since Mar. 15, 1929.

Ser. No. 289,993. W. M. RITTER LUMBER COMPANY, Columbus, Ohio. Filed Sept. 19, 1929.



For Rough and Dressed Lumber Boards.
Claims use since August, 1929.

Ser. No. 290,098. UVALDE ROCK ASPHALT COMPANY, San Antonio, Tex. Filed Sept. 21, 1929.

DURACO

For Natural-Rock-Asphalt Paving Preparation.
Claims use since Nov. 2, 1927.

Ser. No. 290,209. CURTIN-HOWE CORPORATION, New York, N. Y. Filed Sept. 25, 1929.

ZMA

For Poles, Railroad Cross-Ties, and Lumber Treated with Wood Preservative.
Claims use since July 23, 1928.

Ser. No. 290,507. GAGER LIME MANUFACTURING CO., Sherwood and Chattanooga, Tenn. Filed Oct. 2, 1929.



For Lime in the Lump Quick State and Also Hydrated Lime.
Claims use since latter part of September, 1925.

Ser. No. 290,516. KEY-BOLTER EQUIPMENT CO., INC., East St. Louis, Ill. Filed Oct. 2, 1929.

KEY-TITE

For Waterproof Pipe-Joint Compound.
Claims use since about Jan. 1, 1923.

Ser. No. 291,033. UNITED STATES QUARRY TILE CO., East Sparta, Ohio. Filed Oct. 12, 1929.

ROMANY AIRVIEW

For Quarry Tile.
Claims use since Aug. 10, 1929.

Ser. No. 291,274. INDIANA QUARTERED OAK COMPANY, Long Island City, N. Y. Filed Oct. 19, 1929.

**PHILIPPINE
INDOAKO
WOOD**

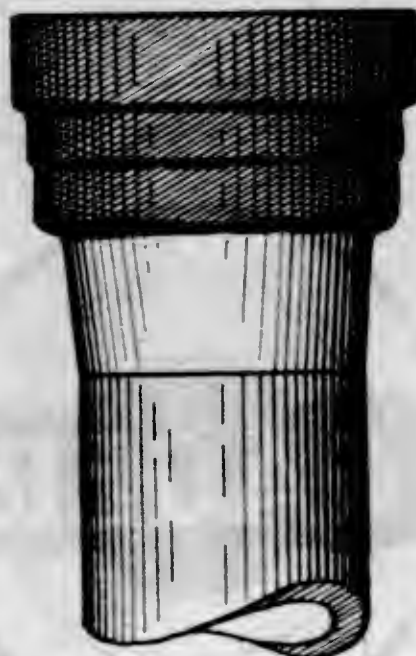
No claim is made hereunder or in connection with this trade-mark to the use of the word "Philippine" or the word "Wood."

For Lumber.
Claims use since Dec. 1, 1928.

CLASS 13

Hardware and Plumbing and Steam-Fitting
Supplies

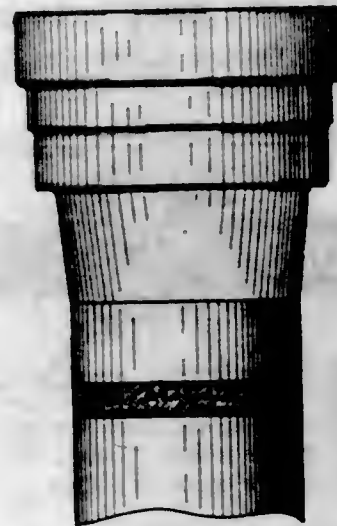
Ser. No. 278,496. ALFRED E. STRINGER, Chicago, Ill. Filed Jan. 26, 1929.



The trade-mark consists of a band of silver color applied to the hub of the pipe. The shading in the drawing illustrates the color silver. No claim is made to the illustration of the goods per se.

For Metal Pipes and Pipe Fittings.
Claims use since Jan. 15, 1929.

Ser. No. 282,011. STRINGER BROS. CO. INC., Chicago, Ill. Filed Apr. 8, 1929.



The drawing is lined to indicate the color orange. The mark consists of an orange band, and is applied transversely around the pipe by means of painting or by means of a metal or paper band. No claim is made to the representation of a soil pipe per se.

For Metal Pipes and Pipe Fittings.
Claims use since Mar. 27, 1929.

Ser. No. 282,702. J. B. CROFOOT COMPANY, Chicago, Ill. Filed Apr. 20, 1929.

PERF-O-MATIC

For Staples for Fastening Papers, for Tacking Shades on Rollers, for Tacking Screens on Frames, and for Fastening Tags on Boxes.

Claims use since Mar. 15, 1929.

Ser. No. 284,870. PENBERTHY INJECTOR COMPANY, Detroit, Mich. Filed May 31, 1929.

PENCO

For Regulating Valves, Check Valves, Gate Valves, and Relief Valves.
Claims use since February, 1929.

Ser. No. 285,539. UNITED WIRE AND SUPPLY CORPORATION, Providence, R. I. Filed June 13, 1929.

**UNITED
DEOXIDIZED
DEHYDRATED**

No exclusive use of the words "Deoxidized" or "Dehydrated" is claimed apart from the mark as shown.
For Small Metal Tube for Conducting Fluids.
Claims use since Dec. 1, 1927.

Ser. No. 288,214. AUDUBON WIRE CLOTH COMPANY, Audubon, N. J. Filed Aug. 7, 1929.

NIAGARALLOY

For Metal Screening in the Piece.
Claims use since about July 4, 1929.

Ser. No. 288,449. PARA RUBBER COMPANY, Newark, N. J. Filed Aug. 12, 1929.

PARA-HYTEX

For the purpose of this registration only the applicant disclaims the word "Para" apart from the combination and arrangement shown.

For Shower Curtains Used for Bath Purposes, Made Up of a Fabric Coated on Both Sides by an Impregnation Treatment so as to Make Same Waterproof.
Claims use since Mar. 1, 1928.

Ser. No. 290,639. A. WEISKITTEL & SONS CO., Baltimore, Md. Filed Oct. 3, 1929.

MASTERHUB

For Cast-Iron Soil Pipe and Fittings.
Claims use since Sept. 9, 1929.

Ser. No. 290,905. THE NEWELL MFG. CO., INC., Ogdensburg, N. Y. Filed Oct. 10, 1929.

**B.V.
(Best Value)**

The words "Best Value" are disclaimed apart from the mark as shown.

For Metal Curtain Rods.
Claims use since Mar. 31, 1927.

Ser. No. 290,975. SHERWOOD BRASS WORKS, Detroit, Mich. Filed Oct. 11, 1929.

Alexoid
RED BAND
NON-CORROSIVE
TRADE MARK

No claim is made to the exclusive use of the words "Non-corrosive" and "Trade Mark" apart from the mark as shown in the drawing.

For Ball Cocks.
Claims use since Oct. 1, 1929.

Ser. No. 291,271. GLYNN-JOHNSON CORPORATION, La Porte, Ind. Filed Oct. 19, 1929.

ARISTOCRAT

For Overhead Door Holders.
Claims use since June 1, 1925.

889 O. G.—36

Ser. No. 291,272. GLYNN-JOHNSON CORPORATION, La Porte, Ind. Filed Oct. 19, 1929.

HERCULES

For Door Holders.
Claims use since Dec. 1, 1924.

CLASS 15

Oils and Greases

Ser. No. 276,944. THE ARROW OIL COMPANY, Wooster, Ohio. Filed Dec. 19, 1928.

ICY-FLO
The 30° below zero
MOTOR OIL

No claim is made herein to the words "The 30° Below Zero Motor Oil" apart from the mark shown in the drawing.
For Motor Lubricating Oil.
Claims use since Feb. 1, 1927.

CLASS 16

Paints and Painters' Materials

Ser. No. 289,779. AMALGAMATED PAINT COMPANY, New York, N. Y. Filed Sept. 14, 1929.

Old Salt Spar

No claim is made to the exclusive use of the word "Spar" apart from the mark shown in the drawing.
For Varnishes.
Claims use since July 1, 1929.

CLASS 17

Tobacco Products

Ser. No. 285,234. THE TOBACCO EXPORT COMPANY INC., Clarksville, Tenn. Filed June 7, 1929.

—FAVORIT—

—SUPERIOR—

Applicant disclaims use of the word "Superior" apart from the mark "Favorit."
For Prepared Leaf Tobacco.
Claims use since Feb. 1, 1927.

Ser. No. 285,235. THE TOBACCO EXPORT COMPANY INC., Clarksville, Tenn. Filed June 7, 1929.

-FEODOR-
-SELECT-

Applicant disclaims use of the word "Select" apart from the mark "Feodor".
For Prepared Leaf Tobacco.
Claims use since Feb. 1, 1927.

Ser. No. 285,778. INDUSTRIAL CIGAR COMPANY, Pittsburgh, Pa. Filed June 19, 1929.

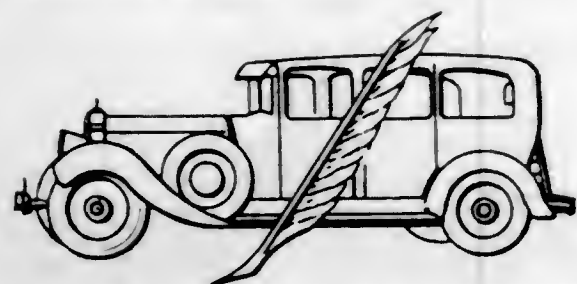


For Stogies.
Claims use since Sept. 1, 1921.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 287,686. PENN LIMOUSINE SERVICE, Philadelphia, Pa. Filed July 13, 1929.



The representation of a limousine is disclaimed apart from the mark as shown.
For Automobiles and Structural Parts Thereof.
Claims use since Apr. 8, 1926.

Ser. No. 288,030. ISAAC NETTLES, Detroit, Mich. Filed Aug. 2, 1929.

BRIGOEZ

For Pedal-Propelled Vehicles of Velocipede Type for Practical Use.
Claims use since Jan. 1, 1924.

Ser. No. 289,707. BERGISCHE STAHL-INDUSTRIE, Remscheid, Germany. Filed Sept. 13, 1929.

BSI-Record

For Automobile Wheels for Pneumatic Tires.
Claims use since Mar. 5, 1929.

Ser. No. 290,541. BORST ENGINEERING CORPORATION, Buffalo, N. Y. Filed Oct. 3, 1929.

RUBBER HEELS

For Automobile Parts—Namely, Spring Shackles, Shackles, Tie-Rods, and Links.
Claims use since May 22, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 264,332. THE THOMAS MANUFACTURING COMPANY, Springfield, Ohio. Filed Apr. 4, 1928.



Applicant disclaims the words "Blue Handle" and the representation of a handle apart from the mark as shown.
For Lawn Mowers.
Claims use since Mar. 20, 1928.

Ser. No. 264,334. THE THOMAS MANUFACTURING COMPANY, Springfield, Ohio. Filed Apr. 4, 1928.



Applicant disclaims the words "Green Handle" and the representation of a handle apart from the mark as shown.
For Lawn Mowers.
Claims use since Mar. 20, 1928.

Ser. No. 282,022. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Apr. 8, 1929.

CARBORUNDUM

For Grinding Machines and Parts Thereof, Polishing Machines and Parts Thereof, Rubbing Machines and Parts Thereof, Light-Duty Sanding Machines and Parts Thereof; Flexible Pads Built Up of Flexible and Compressible Material, Such as Felt and/or Rubber, Reinforced with Discs to Support Abrasive Discs Which are for Use on the Foregoing Machines, and Machine Attachments for the Foregoing Machines and Comprising Attachments for Holding Abrasive Cones, Wheel-Mounting Attachments, Chuck Attachments for Drills, Drum Attachments for Abrasive Belts, and Sanding-Disc Attachments for Sanding Machines.
Claims use since 1922.

Ser. No. 282,873. THE NATIONAL SUPPLY COMPANY OF DELAWARE, New York, N. Y. Filed Apr. 23, 1929.

**STRAIGHT
WAY**

For Oil-Well Tools—Namely, Crown Blocks and Parts Thereof.
Claims use since Nov. 15, 1927.

Ser. No. 287,290. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed July 18, 1929.

FIRTHITE

For Tools for Turning, Boring, Planing, Slotting, Threading, Chasing, Broaching, Knurling, Drilling, Milling, Reaming, Punching, Shearing, Scratching, Filing, Scraping, Spinning, Rolling, Sawing, Stamping, Piercing, Extruding, Tapping, and Chiseling, Primarily Intended for Application by Hand and Machine in the Usual Manner to the Workable Materials, Such as Metal, Wood, Stone, Glass, Etc.

Claims use since June 26, 1929.

Ser. No. 287,291. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed July 18, 1929.

FIRTHALOY

For Tools for Turning, Boring, Planing, Slotting, Threading, Chasing, Broaching, Knurling, Drilling, Milling, Reaming, Punching, Shearing, Scratching, Filing, Scraping, Spinning, Rolling, Sawing, Stamping, Piercing, Extruding, Tapping, and Chiseling, Primarily Intended for Application by Hand and Machine in the Usual Manner to the Workable Materials, Such as Metal, Wood, Stone, Glass, Etc.

Claims use since June 27, 1929.

Ser. No. 289,660. AMERICAN SLICING MACHINE COMPANY, Chicago, Ill. Filed Sept. 12, 1929.

**AMERICAN
"CHIEF"**

For Slicing Machinery.
Claims use since on or about Aug. 1, 1929.

Ser. No. 289,709. THE BOYE NEEDLE CO., Chicago, Ill. Filed Sept. 13, 1929.

"Boye"

Applicant claims ownership of registered Trade-Mark No. 72,417, registered Jan. 26, 1909, and renewed.
For Safety-Razor Blades.
Claims use since Aug. 22, 1929.

Ser. No. 289,721. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended in 1920.

Filene's

For Cigar Cutters, Table Knives, Glass Knives; Tool Sets, Consisting of a Hammer, Screw Driver, Chisel, Plane, Bit, Bit Stock, Gimlet, Saw, Ruler, and a Square; Pocket Emergency Tool Sets, Consisting of a Small Case Containing a Jack-knife with the Following Articles to be Inserted in One End: File, Chisel, Screw Driver, Awl, Gimlet, and Bottle Opener; Jack-knives, Carving Sets, Ice Picks, Corkscrews, Spoons, Forks, Mess Kits, All of Non-precious Metals.

Claims use since on or about Jan. 1, 1928.

Ser. No. 290,037. SNAP-ON WRENCH COMPANY, Chicago, Ill. Filed Sept. 20, 1929.

FERRET

For Wrenches, Wrench Sets, Wrench Sockets, Tool Handles, and Screw Drivers.
Claims use since Aug. 5, 1926.

Ser. No. 290,184. THE LAMSON COMPANY, Syracuse, N. Y. Filed Sept. 24, 1929.

LAMSON

FLEETWING

For Apparatus for Conveying and Transmitting Merchandise, Papers, and Money.
Claims use since Aug. 30, 1929.

Ser. No. 290,185. THE LAMSON COMPANY, Syracuse, N. Y. Filed Sept. 24, 1929.

FLEETWING

For Apparatus for Conveying and Transmitting Merchandise, Papers, and Money.
Claims use since Aug. 30, 1929.

Ser. No. 290,569. FOLLIARD F. GILMORE, doing business as F. F. Gilmore & Co., Boston, Mass. Filed Oct. 3, 1929.



No claim being made to "Industrial Diamonds" apart from the mark shown in the drawings.

For Diamond-Pointed, Cutting, Dressing, and Turning Tools.

Claims use since Nov. 5, 1928.

Ser. No. 291,109. AMERICAN STEAM PUMP COMPANY, Battle Creek, Mich. Filed Oct. 16, 1929.



The drawing is lined merely to denote shading.
For Automatically-Primed Power-Pump Units and Pumping Machinery and Parts Thereof.
Claims use since Aug. 1, 1929.

Ser. No. 291,134. NORTH BRO'S MFG. CO., Philadelphia, Pa. Filed Oct. 16, 1929.

"YANKEE"

Said corporation is the owner of registration No. 196,680, dated Mar. 24, 1925.

For Automatic Drills, Ratchet Screw Drivers, Spiral Ratchet Screw Drivers, Reciprocating Drills, Countersinks, Tool Sets, Comprising Spiral Ratchet Screw Drivers, Ratchet Screw Drivers, Chuck and Drill Attachments, and Countersinks.

Claims use on automatic drills, ratchet screw drivers, and spiral ratchet screw drivers since the year 1898; on reciprocating drills and countersinks since the year 1904; on tool sets comprising spiral ratchet screw drivers, ratchet screw drivers, chuck and drill attachments, and countersinks, since the year 1905; on nut sockets since Sept. 1, 1924; on bit extensions since Jan. 5, 1926; and on saws and wrenches since Dec. 17, 1928.

Ser. No. 291,253. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Oct. 19, 1929.

MICROMATIC

For Rotary Honing and Grinding Tools for Finishing Cylinder Bores or the Like.

Claims use since Oct. 7, 1929.

Ser. No. 291,284. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Oct. 19, 1929.



For Rotary Honing and Grinding Tools for Finishing Cylinder Bores or the Like.

Claims use since Oct. 7, 1929.

Ser. No. 291,519. E. MORRIS MFG. CO., Detroit, Mich. Filed Oct. 24, 1929.

PROSPERITY

For Razors and Shears.
Claims use since May 1, 1929.

Ser. No. 291,553. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio. Filed Oct. 31, 1929.

Majestic

For Sewing Machines.
Claims use since on or about Aug. 1, 1929.

Ser. No. 291,554. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio. Filed Oct. 31, 1929.

Milady

For Sewing Machines.
Claims use since on or about Aug. 1, 1929.

CLASS 24

Laundry Appliances and Machines

Ser. No. 288,137. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Aug. 5, 1929.

Country Club



For Washboards and Clothespins.
Claims use since July 1, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 286,675. ELEVATOR SUPPLIES COMPANY, INC., Hoboken, N. J. Filed July 5, 1929.

ROTOSCOPE

For Sign-Displaying Apparatus of a Character Comprising a Projection Machine by Means of Which Objects Arranged in Succession on a Film or Ribbon May Have Their Images Reflected on a Screen, in Combination with Electro-Magnetic Devices for Causing the Successive Appearances of the Objects in Proper Position to be Projected on Said Screen.

Claims use since about Mar. 1, 1929.

Ser. No. 289,720. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended 1920.

Filene's

For Lorgnettes and Opera Glasses, Compasses and Magnifying Glasses, Rules and Rulers, Measuring Cups, Motion-Picture Machines, Pewter Measures.
Claims use since on or about Jan. 1, 1928.

Ser. No. 290,122. FILMAGRAPH CORPORATION, South Easton, Mass. Filed Sept. 23, 1929.

FILMAGRAPH

For Cameras, Picture Projectors, Parts Thereof, and Films for Use Therewith.
Claims use since July 23, 1929.

Ser. No. 291,180. STANLEY FILM ADVERTISING COMPANY, New York, N. Y. Filed Oct. 17, 1929.

STAN-A-PHONE

For Unitary Apparatus for Synchronous Reproduction of Light and Sound Effects Through Films and Records.
Claims use since Aug. 10, 1929.

Ser. No. 292,092. THE BATES MANUFACTURING COMPANY, West Orange, N. J. Filed Nov. 7, 1929.

Junior

For Numbering Machines.
Claims use since Apr. 12, 1929.

CLASS 27

Horological Instruments

Ser. No. 291,365. SWITANA WATCH COMPANY LTD., Grenchen, Switzerland. Filed Oct. 21, 1929.

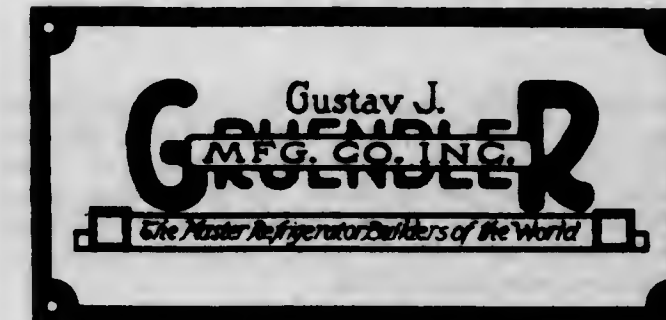
SWITANA

For All Kind of Watches and Parts Thereof.
Claims use since Apr. 5, 1929.

CLASS 31

Filters and Refrigerators

Ser. No. 290,696. GUSTAV J. GRUENDLER MFG. CO., INC., St. Louis, Mo. Filed Oct. 10, 1929.



No claim is made to the representation of the metal plate apart from the mark as shown in the drawing.
For Refrigerators and Refrigerator Cabinets.
Claims use since about Jan. 1, 1923.

CLASS 32

Furniture and Upholstery

Ser. No. 279,684. LOUIS RASTWITZER & SONS, Fort Wayne, Ind. Filed Feb. 20, 1929.



Applicant claims ownership of trade-mark No. 210,070 registered Mar. 9, 1926, "Press-Toe Lock Folding Chair" not being claimed apart from the trade-mark.

For Folding Chairs, Not Including Dental, Medical, and Surgical Appliances.
Claims use since May 10, 1928.

Ser. No. 282,133. REMBRANDT LAMP CORPORATION, Chicago, Ill. Filed Apr. 9, 1929.

JADDEX

For Lamp Stands and Bases, Not Including Lamps.
Claims use since Mar. 1, 1929.

Ser. No. 289,458. FEDERAL FURNITURE FACTORIES, INC., New York, N. Y. Filed Sept. 7, 1929.

FEDERAL

For Beds, Dressers, Wardrobes, Chests of Drawers, Silver Chests, Cedar Chests, Vanities, Bedroom Chairs, Rockers, Benches, Night Tables, Buffets, China Closets or China Cabinets, Servers, Dining-Room Tables, Dining-Room Chairs, Radiocabinets, Television Cabinets, and Phonograph Cabinets, All Cabinets Empty of the Instrument.
Claims use since Jan. 3, 1921.

Ser. No. 289,639. METAL STAMPINGS CORPORATION, Streaton, Ill. Filed Sept. 11, 1929.



The official linings are used for indicating the colors gold, green, and red; that is, horizontal and vertical cross dotting indicates gold, oblique lining from upper left to lower right indicates green, and vertical lining indicates red. The word "Smoker" is disclaimed apart from the other features of the mark.

For Combined Smoking Stand and Humidor in the Nature of a Permanent Piece of Furniture.
Claims use since May 20, 1929.

Ser. No. 289,734. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended in 1920.

Filene's

For Babies' and Children's Furniture, Meaning by Such Term Chairs, Tables, Cribs, Chiffoniers, Costumers, and Desks Intended for Use by Babies and Children; Footstools, Tables, Mirrors, Magazine Racks, Book Ends, Pillows (Including Boudoir).

Claims use since on or about Jan. 1, 1928.

Ser. No. 291,540. F. P. WOLL & COMPANY, Philadelphia, Pa. Filed Oct. 24, 1929.



The drawing illustrates an enlargement of the goods and is lined to indicate the color blue. The trade-mark consists of a number of blue-colored hairs promiscuously intermingled with the remaining hairs constituting the curled hair, such remaining hairs being much more numerous than the blue-colored hairs. No claim is made to the representation of the goods.

For Hair for Stuffing Mattresses, Furniture, and Upholstery.

Claims use since June 26, 1929.

Ser. No. 291,541. F. P. WOLL & COMPANY, Philadelphia, Pa. Filed Oct. 24, 1929.



The drawing illustrates an enlargement of the goods, and it is lined to indicate the color yellow. The trademark consists of a number of yellow-colored hairs promiscuously intermingled with the remaining hairs constituting the curled hair, such remaining hairs being much more numerous than the yellow-colored hairs. No claim is made to the representation of the goods.

For Hair for Stuffing Mattresses, Furniture, and Upholstery.

Claims use since June 26, 1929.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not Including Electrical Apparatus

Ser. No. 282,021. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Apr. 8, 1929.

CARBORUNDUM

The applicant is the owner of prior registrations: No. 49,394, of Feb. 6, 1906 (renewed); No. 231,673, of Aug. 23, 1927; No. 235,950, of Nov. 29, 1927, and No. 245,860, of Aug. 21, 1928.

For Furnaces and Parts Thereof, Muffles and Parts Thereof, Retorts and Parts Thereof, Oil and Gas Burners and Parts Thereof, Lehrs and Parts Thereof, Hearths and Parts Thereof, Kilns and Parts Thereof, Ovens and Parts Thereof, Recuperators and Parts Thereof, Regenerators and Parts Thereof, Air and Gas Heaters and Parts Thereof, Combustion Chambers and Parts Thereof, Furnace Arches, Furnace Roofs, Furnace Lids, Furnace-Roof-Section Shapes, Furnace-Lid-Section Shapes, Section Shapes for Combustion Chambers, Blocks of a Shape or Form to Provide for Forming Combustion Ports, Furnace Tuyères, Recuperator Tubes, Recuperator Blocks, Regenerator Blocks, Refractory Cylinders, Refractory Cylinder Sections, Saggers, Kiln-Car Tops, Industrial Crucibles, Refractory Pots, Rabbles of a Refractory Material, Refractory Tubes for Use in Furnaces, Pyrometer-Protection Tubes, Furnace Linings, Furnace-Lining Blocks, Kiln-Lining Blocks, Cupola Blocks, Gas-Generator Blocks, Air-Cooled Furnace-Lining Blocks, Suspended Furnace-Arch Blocks, Hearth-Support Blocks, Combustion Tubes, Burner Blocks, Baffle Blocks; Furnace-Wall Veneer Blocks—i. e., Facing Blocks

Which are Keyed to, Interlocked with, or Otherwise Supported at the Face of the Wall; Furnace-Arch Veneer Blocks—i. e., Facing Blocks Which are Keyed or Interlocked or Otherwise Secured to the Face of a Brick or Other Arch to be Protected; Muffle-Section Shapes, Retort Section Shapes, and Means for Surrounding or Supporting Ware in a Kiln and Generally Known as Kiln Furniture.
Claims use since September, 1928.

Ser. No. 283,887. NATIONAL RADIATOR CORPORATION, Johnstown, Pa. Filed May 11, 1929.

PANEL-RAD.

No claim is made to the word "Panel" apart from the mark as shown.

For Heating Radiators.

Claims use since Apr. 9, 1929.

Ser. No. 288,220. THE CINCINNATI VICTOR COMPANY, Cincinnati, Ohio. Filed Aug. 7, 1929.

Luminaire

For Combined Lamp and Fan Standards.
Claims use since on or about Jan. 1, 1928.

Ser. No. 290,324. SKINNER BROS. MFG. CO., INC., St. Louis, Mo. Filed Sept. 27, 1929.

AIRBLANKET

For Blower and Coil-Type Indirect Heaters.
Claims use since June 11, 1929.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 289,887. THE FEDERAL RUBBER COMPANY, Chicago, Ill., Cudahy, Wis., and Chicopee Falls, Mass. Filed Sept. 17, 1929.

FEDERAL

For Tire Repair Plugs Made Wholly or Partly of Rubber.
Claims use since June 27, 1929.

Ser. No. 292,067. JOSEPH EDLSON, doing business as J. E. Auto Supply Company, Chicago, Ill. Filed Nov. 6, 1929.

STATE LINE

For Inner Tubes for Vehicle Tires.
Claims use since Apr. 15, 1929.

CLASS 37

Paper and Stationery

Ser. No. 259,306. ZEMBEI KOBAYASHI, Tokyo, Japan. Filed Dec. 23, 1927.

READYRITE

For Metallic Pencils and Mechanical Pencils.
Claims use since Dec. 5, 1923.

Ser. No. 277,537. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Jan. 3, 1929.

NU - STAR

For Paper Napkins, Paper Dollies, Paper Tablecloths, Paper Towels.
Claims use since Feb. 13, 1925.

Ser. No. 282,823. THE NORTHWEST PAPER COMPANY, Cloquet, Minn. Filed Apr. 22, 1929.

COURIER KRAFT



No claim is made to the word "Kraft" apart from the mark as shown.

For Wrapping Paper, Envelope Paper, and Paper Board Lining.

Claims use since Feb. 15, 1929.

Ser. No. 287,698. DER-O-LITE PENCIL COMPANY, Chicago, Ill. Filed July 26, 1929.

Royal-Jack

For Mechanical Pencils.
Claims use since Sept. 10, 1928.

Ser. No. 289,093. CHARLES E. WARNER, Oakland, Calif. Filed Aug. 27, 1929.

WANDERBILT CLUB

For Contract-Bridge Score Pad.
Claims use since June 12, 1929.

Ser. No. 289,134. THE TILE & MANTEL CONTRACTORS' ASSOCIATION OF AMERICA, Wilmington, Del. Filed Aug. 28, 1929.



For Letterheads.
Claims use since June 1, 1929.

Ser. No. 291,000. EMPIRE PAPER COMPANY, Chicago, Ill. Filed Oct. 12, 1929.

CIRCUIT

For Bond, Ledger, and Writing Papers.
Claims use since February, 1900.

Ser. No. 291,001. EMPIRE PAPER COMPANY, Chicago, Ill. Filed Oct. 12, 1929.

REAPER

For Bond, Ledger, and Writing Papers.
Claims use since June, 1905.

CLASS 38

Prints and Publications

Ser. No. 277,839. EDWARD MADSEN & SONS, Chicago, Ill. Filed Jan. 11, 1929.



No claim is made to the exclusive use of the word "Print."

For Photographic Prints and Enlargements.
Claims use since Aug. 1, 1928.

Ser. No. 280,029. ALBERT JOHN LOWRY, Chicago, Ill. Filed Feb. 27, 1929.

Circum-Urban Increment

For Perpetual and Continuous Series of Volumes Containing Lectures and Articles and Other Similar Matter.
Claims use since Feb. 14, 1929.

Ser. No. 288,216. MATTHEW BENDER & COMPANY, INC., Albany, N. Y. Filed Aug. 7, 1929.

BENDER'S LAWYERS' DIARY AND DIRECTORY.

For Reference Book and Directory for Lawyers, Including a Series of Annual Diaries.
Claims use since 1895.

Ser. No. 290,318. MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn. Filed Sept. 27, 1929.

SODA FOUNTAIN MANAGEMENT

For Publication Issued at Irregular Intervals.
Claims use since Aug. 12, 1929.

Ser. No. 290,660. NEA SERVICE, INC., Cleveland, Ohio. Filed Oct. 4, 1929.

EveryWeek

For Newspaper Section Published Weekly.
Claims use since Sept. 22, 1929.

Ser. No. 290,819. CHILDS, JEFFRIES & CO. INCORPORATED, Boston, Mass. Filed Oct. 9, 1929.

CHAIN STORE COUNSELLOR

For Publications Issued at Stated Intervals.
Claims use since on or about July 1, 1929.

Ser. No. 290,826. THE FEDERATION OF SEWAGE WORKS ASSOCIATIONS, New York, N. Y. Filed Oct. 9, 1929.

Sewage Works Journal

For Quarterly Magazine.
Claims use since Oct. 30, 1928.

Ser. No. 290,933. THE BELL SYNDICATE, INC., New York, N. Y. Filed Oct. 11, 1929.

TAILSPIN TOMMY

For Strips of Humorous Drawings Representing the Same Characters in Different Situations.
Claims use since Mar. 29, 1928.

Ser. No. 291,063. MAY & MALONE, Chicago, Ill. Filed Oct. 14, 1929.

The RED BOOK

For Catalogs Published Annually and Relating to Jewelry, Leather Goods, Luggage, Silverware, Tableware, Electrical Appliances, Household Articles, Clocks, Furniture, Rugs, and Sporting Goods.
Claims use since September, 1923.

Ser. No. 291,114. CHILDS, JEFFRIES & CO., INCORPORATED, Boston, Mass. Filed Oct. 16, 1929.



No claim is made to the words "Chain Store Investment Securities."

For Publications Issued at Regular and Irregular Intervals.

Claims use since on or about July 1, 1925.

Ser. No. 291,319. THE BUZZA COMPANY INC., Minneapolis, Minn. Filed Oct. 21, 1929.

KARD-O-MONTH KLUB



No claim is made to the word "Kard" apart from the mark as shown in the drawing.

For Birthday Greeting Cards, Wedding Congratulation Cards, Anniversary Congratulation Cards, Vacation Cards, Graduation Cards, General Greeting Cards, Friendship Cards, Convalescent Cards, Christmas Cards, Valentine Cards, Easter Cards, and Mother's-Day Cards.
Claims use since Sept. 4, 1929.

Ser. No. 291,390. INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Oct. 22, 1929.

THE INDEPENDENT EAGLE

For Weekly Publication.
Claims use since Aug. 27, 1929.

Ser. No. 291,458. JEWISH BIOGRAPHICAL BUREAU, INC., New York, N. Y. Filed Oct. 23, 1929.

WHO'S WHO in AMERICAN JEWRY

For Books Published Periodically.
Claims use since about January, 1927.

Ser. No. 291,533. THE SPRAGUE PUBLISHING CO., Detroit, Mich. Filed Oct. 24, 1929.

The YOUTHS COMPANION combined with American Boy

For Monthly Magazine.
Claims use since Sept. 15, 1929.

Ser. No. 291,559. FOTO FAX, INC., San Francisco, Calif. Filed Oct. 25, 1929.

FOTO-FAX

For Photographs.
Claims use since Aug. 15, 1929.

Ser. No. 291,707. CO-OPERATIVE MANAGER AND FARMER, Minneapolis, Minn. Filed Oct. 28, 1929.



For Monthly Publication.
Claims use since Sept. 25, 1911.

CLASS 39

Clothing

Ser. No. 276,356. WINDRAM MANUFACTURING CO., Boston and South Boston, Mass. Filed Dec. 5, 1928.



For Waterproof Coats for Men, Women, and Children.
Claims use since Aug. 6, 1928.

Ser. No. 282,552. M. L. GREENWALD, doing business as The Scranton Knitting Mills, Scranton, Pa. Filed Apr. 17, 1929.

SOCIETY

For Sweaters for Men, Women, and Children and Bathing Suits.
Claims use since Mar. 12, 1929.

Ser. No. 284,550. E. S. TWINING & CO., New York, N. Y. Filed May 23, 1929.

FLIGHTEX FABRIC

No claim is made to the word "Fabric" apart from the mark shown in the drawing.
For Men's and Boys' Football Trousers, Stockings, Sweaters; Sports, Dress, and Work Shirts.
Claims use since Feb. 19, 1929, on shirts and since October, 1926, on the remaining goods.

Ser. No. 285,241. WILLIAM MASON (LEICESTER) LIMITED, Leicester, England. Filed June 7, 1929.

DIANIC

For Boots, Shoes, Slippers, Leggings, Gaiters, and Lining Socks for Insertion into Boots and Shoes, All Made of Leather, Fabric, Rubber, and Canvas; Clothing for Under Wear and Outer Wear Comprising Jerseys, Sweaters, Pull Overs, Jumpers, Cardigan Jackets, Work Shirts, Negligee Shirts, Undercoats, Outer Coats, Waistcoats, Trousers, Boys' Jersey Suits, Bathing Suits and Costumes, Overalls, Mufflers, Scarves, Shawls, All Made of Knitted or Textile Fabric for Men, Women, and Children.
Claims use since Oct. 5, 1928.

Ser. No. 287,250. GLASER SHOE COMPANY, San Francisco, Calif. Filed July 17, 1929.

Pedi-Processed

Applicant hereby disclaims the right to the exclusive use of the word "Processed."
For Leather Shoes.
Claims use since June 24, 1929.

Ser. No. 287,360. P. & S. SHOE COMPANY, New York, N. Y. Filed July 19, 1929.



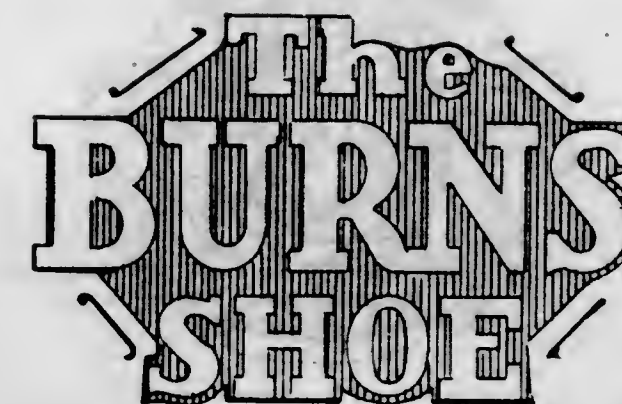
For Shoes Constructed of Leather, Rubber, Fabric, Rubberized Fabric, and Combinations of These Materials.
Claims use since July 2, 1929.

Ser. No. 288,684. THE ALLIGATOR COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Aug. 19, 1929.

ALLIGATORS NEVER LEAK

The right to exclusive use of the words "Never Leak" is disclaimed except in association with the word "Alligators."
For Waterproof Clothing for Men, Women, and Children—Namely, Raincoats, Capes, Jackets, Overalls, Hats, Caps, and Ponchos.
Claims use since July 1, 1910.

Ser. No. 288,740. JOHN RUNYON BURNS, doing business as J. R. Burns Shoe Co., Endicott, N. Y. Filed Aug. 20, 1929.



The vertical lining on the drawing denotes shading. No claim is herein made to the word "Shoe" apart from the mark as shown.

For Boots, Shoes, and Slippers of Leather, Rubber, Fabric, and/or Combinations Thereof.
Claims use since about Aug. 13, 1929.

Ser. No. 289,034. MCCLURE & MCINTOSH, LIMITED, Glasgow, Scotland. Filed Aug. 28, 1929.



The lines on the drawing are for shading purposes only.
For Clothing—to wit, Men's, Ladies', Boys', Girls', and Children's Knitted Pull Overs, Jumpers, Cardigans, Waistcoats, Hose, Knicker Hose, Half Hose, Spats, Garters, Skirts, Underskirts, Suits, Caps, Scarves, Gloves, Ties, Tam O' Shaners, Undervests, Trunk Drawers, Combination Suits, Body Belts (Other Than Sanitary Belts), Bathing Suits, Bathing Wraps, Sun Suits, Dresses, Pantaloon Suits, Berets, Coats, Cloaks, and Knickers.
Claims use since on or about Feb. 8, 1927.

Ser. No. 289,809. JOHN WANAMAKER NEW YORK, New York, N. Y. Filed Sept. 14, 1929.

TOURNAMENT

For Shoes Constructed of Leather, Fabric, or Combinations of Those Materials.
Claims use since May 7, 1929.

Ser. No. 289,899. A. PAUL & SONS, INC., New York, N. Y.
Filed Sept. 17, 1929.



All of the wording with the exception of "Ilona" appearing on the drawing being disclaimed apart from the mark shown on the drawing.

For Fur Garments—Namely, Coats and Scarfs, Consisting of Dressed Skins, for Men, Women, and Children.
Claims use since Sept. 9, 1929.

Ser. No. 289,936. MELVILLE SHOE CORPORATION, New York, N. Y. Filed Sept. 18, 1929.

Thom McAn

Applicant is the owner of registrations No. 170,095 and No. 189,170.
For Hosiery.
Claims use since March, 1927.

Ser. No. 289,974. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Sept. 19, 1929.

Lotta-Ease
THE
INVIGORATING SHOE

No claim is made for the word "Shoe" nor for the word "Ease" apart from the mark as shown in the accompanying drawing.

For Ladies' Shoes of Leather or Cloth.
Claims use since Mar. 15, 1929.

Ser. No. 290,301. CAMEO COSTUME AND DRESS COMPANY, New York, N. Y. Filed Sept. 27, 1929.

Cameo

For Silk Dresses for Women.
Claims use since August, 1926.

Ser. No. 290,517. LA MODE GARMENT CO., INC., Chicago, Ill. Filed Oct. 2, 1929.

DA-JAMAS
LA MODE GARMENT CO.

The name "La Mode Garment Co." is disclaimed apart from the mark as shown on the drawing.

For Ladies' and Children's Wearing Apparel, Being That of Pajamas, Combination Pajama Sets, Coats, Aprons, House Dresses, and Gowns, All of Textile Fabric.
Claims use since Sept. 3, 1929.

Ser. No. 290,603. ROSECLIFF SHIRT CORPORATION, New York, N. Y. Filed Oct. 3, 1929.



No claim is made to the words "New York" apart from the mark shown on the drawing. The portrait appearing on the drawing is not the portrait of any individual.

For Men's Dress Shirts and Ties.
Claims use since March, 1929.

Ser. No. 290,606. B. F. SCHLESINGER & SONS, doing business as Olds, Wortman and King, and Rhodes Brothers, New York, N. Y., and San Francisco, Calif. Filed Oct. 3, 1929.

KINGSLEY



The word "Kingsley" is disclaimed apart from the mark as shown on the drawing.

For Men's and Young Men's Suits and Overcoats.
Claims use since July 12, 1929.

Ser. No. 290,607. B. F. SCHLESINGER & SONS, doing business as Olds, Wortman and King, and Rhodes Brothers, New York, N. Y., and San Francisco, Calif. Filed Oct. 3, 1929.

BROADHURST



The word "Broadhurst" is disclaimed apart from the mark as shown on the drawing.

For Men's and Young Men's Suits and Overcoats.
Claims use since July 12, 1929.

Ser. No. 290,751. GALAX KNITTING COMPANY, Galax, Va.
Filed Oct. 7, 1929.



For Hosiery.
Claims use since May, 1929.

Ser. No. 290,755. LESH, WHITMAN & CO., INC., New York, N. Y. Filed Oct. 7, 1929.

Day Round

For Ladies' and Misses' Coats, Suits, Raincoats, Dresses, Blouses, and Skirts.
Claims use since Sept. 17, 1929.

Ser. No. 290,763. POOL SALES COMPANY, Sherman, Tex.
Filed Oct. 7, 1929.

Val-U-Plus

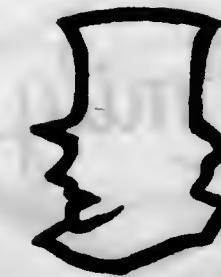
For Work Pants, Work Shirts, Dress Shirts, and Men's Hats.
Claims use since Aug. 15, 1929.

Ser. No. 291,003. BEN GREENHOLTZ, New York, N. Y.
Filed Oct. 12, 1929.



Applicant disclaims the word "Coat" apart from the mark as shown. The drawing is lined for the color green.
For Women's, Misses', and Children's Coats for Sport and Dress Wear.
Claims use since June 1, 1929.

Ser. No. 291,104. THE WEISBAUM BROS. BROWER COMPANY, Cincinnati, Ohio. Filed Oct. 15, 1929.



For Neckties.
Claims use since Aug. 17, 1929.

Ser. No. 291,212. WALTER FRED HOSIERY MILLS INC., Nashville, Tenn. Filed Oct. 18, 1929.

S-e-l-i-n-g

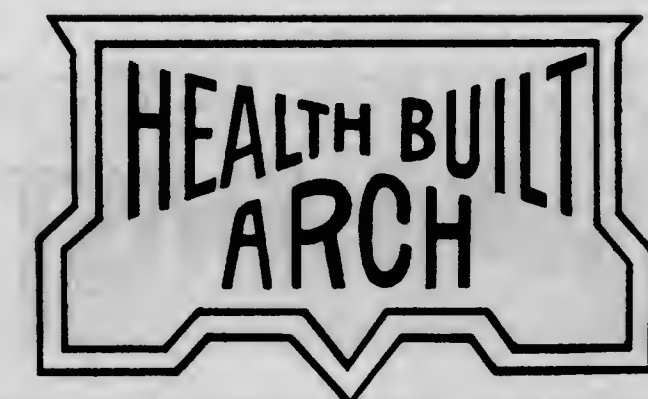
For Hosiery.
Claims use since Sept. 13, 1929.

Ser. No. 291,239. ROMAN STRIPE MILLS, INC., Easton, Pa.
Filed Oct. 18, 1929.

Rograin

For Hosiery.
Claims use since Sept. 11, 1929.

Ser. No. 291,443. ELIAS-KATZ SHOE FACTORIES, INC., Los Angeles, Calif. Filed Oct. 23, 1929.



For Men's, Women's, and Children's Shoes of Rubber, Fabric, Leather, and Combinations Thereof.
Claims use since Aug. 1, 1929.

Ser. No. 291,501. EMILY SHOPS, INC., New York, N. Y.
Filed Oct. 24, 1929.



For Hosiery.
Claims use since Sept. 1, 1929.

Ser. No. 291,638. ROBERT REIS & Co., New York, N. Y.
Filed Oct. 26, 1929.

Jim-Lastic

For Pajamas.
Claims use since May, 1929.

Ser. No. 291,752. ZAKONIT, INC., Boston, Mass. Filed
Oct. 29, 1929.

ZAKONIT

For Knitted Sweaters and Knitted Bathing Suits.
Claims use since Apr. 1, 1925.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 286,138. S. STEIN & Co., New York, N. Y. Filed
June 25, 1929.

**Fabrics
of
Fame**

No claim is made for the word "Fabrics" apart from
the mark shown.

For Woolen Goods in the Piece and in Cut Lengths.
Claims use since May 13, 1929.

Ser. No. 288,559. INTERNATIONAL WORSTED MILLS, New
York, N. Y., and Methuen, Mass. Filed Aug. 15, 1929.

CABLE TWIST

The lining shown thereon is intended to indicate shad-
ing, no claim being made to the word "Twist" apart
from the mark shown on the drawing.

For Worsted Goods in the Piece.
Claims use since about July 1, 1928.

Ser. No. 289,469. GRAHAM MACPHERSON, New York, N. Y.
Filed Sept. 7, 1929.

LOOMCRAFT

For Linen Tablecloths and Linen Napkins.
Claims use since Apr. 2, 1929.

Ser. No. 290,426. QUALITY MANUFACTURING COMPANY,
Asheville, N. C. Filed Sept. 30, 1929.



For Handkerchiefs.
Claims use since June 1, 1929.

Ser. No. 291,149. SELF SERVICE SALES CORPORATION, Hart-
ford, Conn. Filed Oct. 16, 1929.



The corporation name and the word "Handkerchief"
are disclaimed apart from the mark shown on the drawing.
For Handkerchiefs.
Claims use since Aug. 1, 1929.

Ser. No. 291,713. SAMUEL BONAT & BROTHER, New York,
N. Y. Filed Oct. 29, 1929.

RAJANETTE

For Hair Nets.
Claims use since July 1, 1929.

Ser. No. 291,771. THE JAEGER COMPANY, INC., New York,
N. Y. Filed Oct. 30, 1929. Under 10-year proviso.

JAEGER

For Woolen Rugs, Woolen Blankets.
Claims use since Apr. 19, 1887.

CLASS 43

Thread and Yarn

Ser. No. 285,712. HEMINWAY & BARTLETT SILK CO.,
Watertown, Conn. Filed June 17, 1929.

Paragon

For Darning and Mending Silk and Sewing Silk.
Claims use since 1900.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 288,413. ARROWHEAD SPRINGS BEVERAGE COM-
PANY, Los Angeles, Calif. Filed Aug. 12, 1929.



The drawing is lined to indicate the color orange. The
words "California" and "Extra Dry" are hereby dis-
claimed apart from the mark shown in the drawing.
For Carbonated Beverages—Namely, Ginger Ale.
Claims use since Feb. 1, 1924.

Ser. No. 291,171. NUGRAPE COMPANY OF AMERICA, At-
lanta, Ga. Filed Oct. 17, 1929.

Kangaroo

For Nonalcoholic, Noncereal, Maltless Beverages Sold
as Soft Drinks.
Claims use since Sept. 23, 1929.

Ser. No. 291,812. BEAVER DAM BOTTLING COMPANY, Beaver
Dam, Wis. Filed Oct. 31, 1929.

Glen Rose

For Ginger Ale and Lemon Soda.
Claims use since Aug. 12, 1929.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 267,387. PURITAN MALT EXTRACT CO., Chicago,
Ill., assignor to Puritan Malt Extract Company, Chicago,
Ill., a Corporation of Illinois. Filed June 2, 1928.



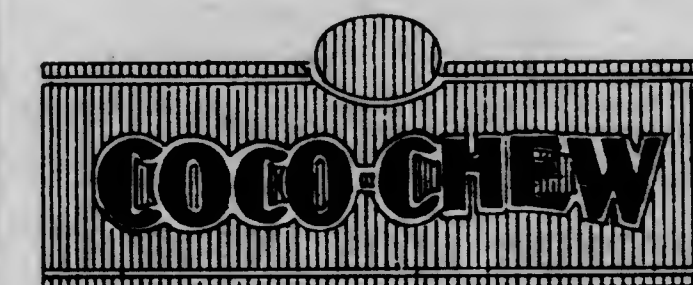
No claim is made to the words "Malt Extract" apart
from the mark.
For Malt Extracts.
Claims use since May 18, 1928.

Ser. No. 267,963. ITALIAN FOOD PRODUCTS COMPANY, INC.,
Long Beach, Calif. Filed June 13, 1928.

FAR-FAMED

For Canned Fish.
Claims use since May 3, 1928.

Ser. No. 273,105. JOLLY JOHN'S CANDY COMPANY INCOR-
PORATED, New York, N. Y. Filed Sept. 28, 1928.



The drawing is lined for red.
For Chocolate-Coated Candy Bars.
Claims use since June, 1928.

Ser. No. 273,147. KADOTA FIG PRODUCTS CO., Los Angeles, Calif. Filed Sept. 29, 1928.



No claim being made to the word "Kadota" apart from the mark shown in the drawing. The applicant disclaims the right to the exclusive use of the word "Fig" apart from the mark as shown in the drawing.
For Cereal Breakfast Food.
Claims use since March, 1927.

Ser. No. 273,296. GOLDEN GOOSE HAMBURGER SYSTEM, Tulsa, Okla. Filed Oct. 3, 1928.



No claim being made to the words "Buy 'Em by the Sack" apart from the mark shown in the drawing.
For Sandwiches, Tamales, and Fresh Vegetables.
Claims use since October, 1925.

Ser. No. 276,353. VERMONT TEA AND BUTTER CO., Lawrence, Mass. Filed Dec. 5, 1928.

**MORNING, NOON AND NIGHT
THE HOUSEHOLD DELIGHT**

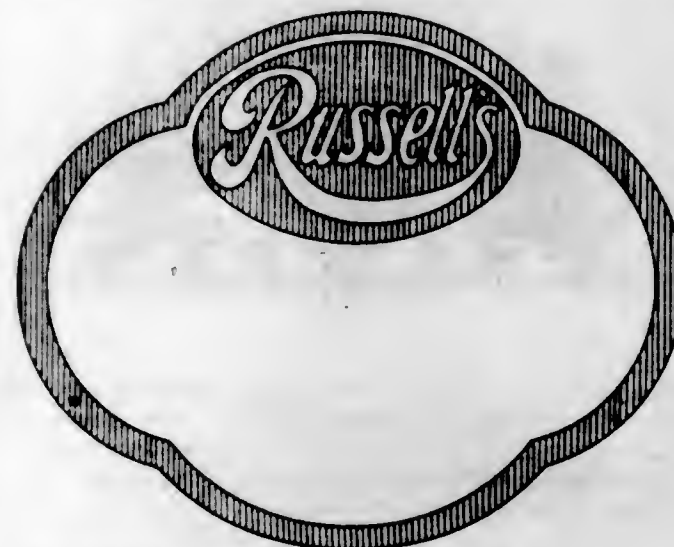
For Tea and Coffee.
Claims use since July 10, 1926.

Ser. No. 277,300. LA CROSSE REFINING COMPANY, La Crosse, Wis. Filed Dec. 25, 1928.



No claim is made to the exclusive use of the word "Brand" apart from the mark as shown in the drawing.
For Malt Syrup.
Claims use since Apr. 15, 1919.

Ser. No. 280,285. RUSSELL'S MAYONNAISE CO. INC., New York, N. Y. Filed Mar. 5, 1929.



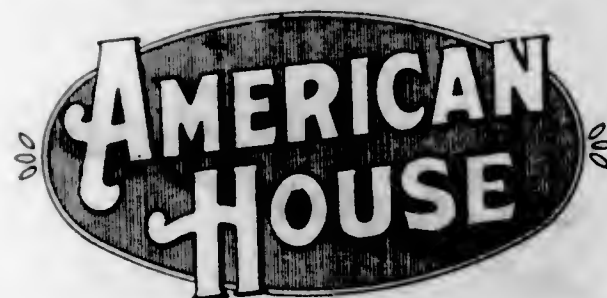
The drawing is lined for red.
For Salad Dressings.
Claims use since about 1921.

Ser. No. 280,338. JOE LOWE CORPORATION, Brooklyn, N. Y. Filed Mar. 6, 1929.

BLIMPS

For Doughnuts, Crullers, and Fried Cakes.
Claims use since about Nov. 15, 1927.

Ser. No. 282,039. AMERICAN GROCERY COMPANY, Hoboken, N. J. Filed Apr. 9, 1929.



The drawing is lined to indicate the color red.
For Coffee, Tea, Cocoa, Canned Fruits, Dried Fruits, Canned Vegetables, Canned Fish, Alimentary Paste Prod.

ucts; Dried Legumes Such as Navy Beans, Lima Beans, Black-Eyed Peas, and Lentils; Breakfast and Household Cereals Such as Farina, Oatmeal, Corn Meal, and Rice; All Kinds of Cereal Flours, Spices, Vinegar, Salad Oils, Flavoring Extracts for Foods, Fruit Preserves; Table Condiments Such as Mustard, Mayonnaise, Horse-Radish, Worcestershire Sauce, and the Like; Cheese, Peanut Butter, Table Syrup, Pickle Relishes, Evaporated Milk, and Potted Meats.
Claims use since May, 1924.

Ser. No. 282,332. YOUNGLOVE GROCERY COMPANY, doing business as United Purity Stores, Tacoma, Wash. Filed Apr. 12, 1929.

United PURITY Stores

For Fresh Eggs.
Claims use since Oct. 12, 1928.

Ser. No. 284,293. EL CAMPO RICE MILLING COMPANY, El Campo, Tex. Filed May 20, 1929.

SUPERVALU

For Developing Grains, Starter Mash, Baby-Chick Scratch Feed, Dairy Rations, Mixed Feed for Livestock and Poultry.
Claims use since November, 1928.

Ser. No. 284,897. BRINK & SONS INC., Chicago, Ill. Filed June 1, 1929.



The lining on the drawing is used to indicate the color red. No claim is made to the words "Milk Fed Poultry Packed For" and "Chicago" apart from the mark as shown.
For Dressed Poultry.
Claims use since May 16, 1929.

389 O. G.—37

Ser. No. 285,012. P. CAROLA & Co., doing business as The Stick-O-Bread Co., Chicago, Ill. Filed June 4, 1929.



No separate claim is made to the exclusive use of the wording, apart from the mark shown on the drawing, except the wording "The Stick-O-Bread Co."
For Bakery Products—Namely, Bread.
Claims use since Apr. 16, 1929.

Ser. No. 288,142. WHITTEN & SONS LIMITED, London, England. Filed June 25, 1929.



The lining on the drawing is intended for shading only.
For Vegetable Food Substance Obtained from Carrageen Used in Making Desserts and Delicacies.
Claims use since Nov. 18, 1918.

Ser. No. 286,876. GO-FAR CEREAL MILLS, Fargo, N. Dak.
Filed July 6, 1929.



For Self-Rising Pancake Flour, Whole-Wheat Breakfast Cereal, Whole-Wheat Flour, Graham Wheat Flour, Rye Flour, Buckwheat Flour, Corn Meal, Chick Meal, Chick Feeds, Dairy, Calf, and Hog Feeds.
Claims use since 1921.

Ser. No. 287,057. ELKA NOODLE CORPORATION, Maspeth, N. Y. Filed July 13, 1929.

ELKA

For Egg Noodles, Egg Barley, Cut Noodles, and Flakes.
Claims use since Mar. 22, 1925.

Ser. No. 287,447. THE WILLIAM BOARDMAN & SONS CO., Hartford, Conn. Filed July 22, 1929.

MOUNTAIN Blend

No claim is made to the word "Blend" apart from the mark as shown.
For Coffee.
Claims use since 1898.

Ser. No. 287,679. UNITED IMPORTERS, INC., Providence, R. I. Filed July 25, 1929.



For Food Products—Specifically, Tomato Paste, Macaroni, Packaged Rice, and Canned Peas.
Claims use since about January, 1925.

Ser. No. 287,816. HAAS, BARUCH & COMPANY, Los Angeles, Calif. Filed July 29, 1929.

Liquid Candy

For Table Syrup.
Claims use since July 11, 1929.

Ser. No. 288,638. H. C. COLE MILLING COMPANY, Chester, Ill. Filed Aug. 17, 1929.

MALLOW BLOOM



For Wheat Flour and Self-Rising Flour.
Claims use since November, 1927.

Ser. No. 289,607. TROPONWERKE DINKLAGE & CO., Cologne-Mulheim, Germany. Filed Sept. 10, 1929.

Novo-Tropon

For Dietetic Foods.
Claims use since Oct. 3, 1928.

Ser. No. 289,978. JOE LOWE CORPORATION, Brooklyn, N. Y. Filed Sept. 19, 1929.



No claim is made to any particular color in the present application.

For Frozen Confections and/or Ice Cream.
Claims use since about Aug. 1, 1928.

Ser. No. 290,744. THE COLORADO FLORAL COMPANY, INC., Denver, Colo. Filed Oct. 7, 1929.

COLO-CUKES

For Fresh Hothouse Cucumbers.
Claims use since Mar. 25, 1929.

Ser. No. 290,749. T. B. FINNEY & COMPANY, LIMITED, Cornbrook, Manchester, England. Filed Oct. 7, 1929.

PAB

For Bread for Use in the Manufacture of Sausage.
Claims use since 1899.

Ser. No. 291,067. PAPENDICK BAKERY CO., St. Louis, Mo. Filed Oct. 14, 1929.

HAN-DEE

For Rolls.
Claims use since Sept. 1, 1929.

Ser. No. 291,222. IMPERIAL SUGAR CO., Sugar Land, Tex. Filed Oct. 18, 1929.

SPARKLING IMPERIAL

The word "Sparkling" is disclaimed apart from the mark shown in the drawing.
For Cane Sugars.
Claims use since September, 1926.

Ser. No. 291,282. LUSH'US PRODUCTS CO., Chicago, Ill. Filed Oct. 19, 1929.



Applicant hereby disclaims the word "Lush'us" excepting in the form and association shown on the drawing.

For Marmalades, Honey, Green Olives, Ripe Olives, Peaches, Cherries, Spiced Fruits, Green Beans, Carrots, Pickles, Pickle Relish, Food-Flavoring Extracts, Beets, Catsup, Chili Sauce, Pimientos, Apricots, Pineapple, Wax Beans, Strawberries, Hot Mixed Vegetables, Pears, Fruits for Salad, Corn, and Lima Beans, All of Which Products are Packed in Glass.

Claims use since May 20, 1929.

Ser. No. 291,307. WHITE-STOKES CO., INC., Chicago, Ill. Filed Oct. 19, 1929.

COLONIAL DAME

For Cake Mixes for Cakes and Pastries.
Claims use since Sept. 11, 1929.

Ser. No. 291,384. EDWARD HARTMAN, Washington, Iowa. Filed Oct. 21, 1929.



The drawing being lined for the color red.
For Ice Cream Coated with Chocolate in the Shape of Flat Rectangular Blocks Similar to a Sandwich.
Claims use since on or about Oct. 1, 1924.

Ser. No. 291,448. C. M. GIFFORD & SONS, San Diego, Calif. Filed Oct. 23, 1929.

BERYL

For Olives.
Claims use since Sept. 24, 1929.

Ser. No. 291,477. THE ROGERS COMPANY, Seattle, Wash.
Filed Oct. 23, 1929.

EMPIRE

For Peanut Butter.
Claims use since Sept. 15, 1929.

Ser. No. 291,916. FRUTSHIPS, INCORPORATED, Milwaukee, Wis. Filed Nov. 2, 1929.

Thick-O

For Thickener for Foods, Such as Gravies, Salads, Sauces, Soups, etc.
Claims use since about Aug. 1, 1929.

Ser. No. 291,933. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Nov. 2, 1929.

HARVEST TIME

For Pancake Flour.
Claims use since on or about Nov. 9, 1928.

Ser. No. 292,151. BALLARD & BALLARD CO., Louisville, Ky. Filed Nov. 8, 1929.

NEW SOUTH



For Wheat Flour and Self-Rising Flour.
Claims use since Sept. 1, 1929.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 271,521. THE WESTERN SHADE CLOTH COMPANY, Chicago, Ill. Filed Aug. 24, 1928.

LEATHERODE

For Artificial Leather.
Claims use since 1922.

Ser. No. 279,846. FERDINAND GUTMANN & Co., Brooklyn, N. Y. Filed Feb. 25, 1929.

"INERTO"

For Bottle and Jar Caps.
Claims use since Feb. 14, 1929.

Ser. No. 289,725. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Sept. 13, 1929. Under section 5b of the act of 1905 as amended in 1920

Filene's

For Coat Hangers, Trousers Hangers, Skirt Hangers, Pennants, Tie Racks, Shoe-Trees, Blackboards.
Claims use since on or about Jan. 1, 1928.

Ser. No. 290,818. F. S. CARR COMPANY, Boston, Mass. Filed Oct. 9, 1929.

CARRTEX

For Artificial Leather.
Claims use since May 15, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 17, 1929

265,059. ADHESIVE PASTES, GLUES, MUCILAGE, ETC. NATIONAL ADHESIVES CORPORATION, New York, N. Y. Filed June 21, 1929. Serial No. 285,930. PUBLISHED SEPTEMBER 24, 1929. Class 5.

265,060. RICE. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y.

Filed August 23, 1929. Serial No. 288,928. PUBLISHED OCTOBER 1, 1929. Class 46.

265,061. BUTTER. BLUE VALLEY CREAMERY COMPANY, Chicago, Ill.

Filed August 21, 1929. Serial No. 288,779. PUBLISHED OCTOBER 1, 1929. Class 46.

265,062. GLUES AND GLUE BASES. GEORGE H. OSGOOD, Tacoma, Wash.

Filed August 19, 1929. Serial No. 288,719. PUBLISHED OCTOBER 1, 1929. Class 5.

265,063. FERTILIZER. BAUGH AND SONS COMPANY, Philadelphia, Pa.

Filed August 19, 1929. Serial No. 288,686. PUBLISHED OCTOBER 8, 1929. Class 10.

265,064. CIGARS; CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO. HARRY J. SPINGARN, New York, N. Y.

Filed August 16, 1929. Serial No. 288,623. PUBLISHED OCTOBER 8, 1929. Class 17.

265,065. WHEAT FLOUR AND CORN MEAL. KANSAS CITY MILL PRODUCTS CO., Kansas City, Mo.

Filed August 15, 1929. Serial No. 288,560. PUBLISHED OCTOBER 11, 1929. Class 46.

265,066. CIGARS, CIGARETTES, CHEROOTS, AND LITTLE CIGARS. ABRAHAM MANNHEIM, Detroit, Mich.

Filed August 14, 1929. Serial No. 288,506. PUBLISHED OCTOBER 1, 1929. Class 17.

265,067. SUGAR WAFERS. ANTHONY TACCETTA, doing business as Quality Wafer & Specialty Co., New York, N. Y.

Filed August 8, 1929. Serial No. 288,290. PUBLISHED SEPTEMBER 24, 1929. Class 46.

265,068. WHEAT FLOUR. WALTER E. FULLER, doing business as Walter E. Fuller Flour Company, Boston, Mass.

Filed August 7, 1929. Serial No. 288,260. PUBLISHED SEPTEMBER 24, 1929. Class 46.

265,069. DAIRY PRODUCTS—NAMELY, EGGS. BRIARCLIFF LODGE HOTEL, INC., Briarcliff Manor, N. Y.

Filed July 17, 1929. Serial No. 287,234. PUBLISHED OCTOBER 1, 1929. Class 46.

265,070. CLOCKS. THE KODEL ELECTRIC & MANUFACTURING COMPANY, Cincinnati, Ohio.

Filed July 16, 1929. Serial No. 287,191. PUBLISHED OCTOBER 8, 1929. Class 27.

265,071. MIXED FERTILIZER AND FOR COTTON-SEED MEAL USED AND SOLD ONLY AS FERTILIZER. DREW COTTON SEED OIL MILL, Monticello, Ark.

Filed July 11, 1929. Serial No. 286,930. PUBLISHED OCTOBER 1, 1929. Class 10.

265,072. CIGARS. LAWRENCE JANSEN, West Roxbury, Mass.

Filed June 14, 1929. Serial No. 285,570. PUBLISHED OCTOBER 8, 1929. Class 17.

265,073. SANDWICHES MADE OF ROLLS HAVING CAVITIES WITH TOASTED WALLS. TOASTIE-HOT INC., Akron, Ohio.

Filed June 12, 1929. Serial No. 285,484. PUBLISHED SEPTEMBER 24, 1929. Class 46.

265,074. REPELLANTS FOR DESTRUCTIVE BIRDS AND SMALL ANIMALS. APOTHECARIES HALL COMPANY, Waterbury, Conn.

Filed August 29, 1929. Serial No. 289,143. PUBLISHED OCTOBER 8, 1929. Class 6.

265,075. HAIRDRESSING, HAIR OIL, SHAMPOO, ETC. THOMAS D. STEEL, doing business as National Scientific Laboratories, Richmond, Va.

Filed August 10, 1929. Serial No. 288,401. PUBLISHED OCTOBER 8, 1929. Class 6.

265,076. PREPARATION FOR THE RELIEF OF COLDS, HOARSENESS, AND SORE THROAT. ED. F. BAIN, Tahlequah, Okla.

Filed August 6, 1929. Serial No. 288,174. PUBLISHED OCTOBER 1, 1929. Class 6.

265,077. COMPOUND CALCIUM TABLETS USED TO SUPPLEMENT ANY DIETARY DEFICIENCY IN CALCIUM SALTS. GRANGER CALCIUM PRODUCTS, INC., Brooklyn, N. Y.

Filed August 2, 1929. Serial No. 288,016. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,078. DENTIFRICE. E. W. VACHER, R. PH., New Orleans, La.

Filed July 31, 1929. Serial No. 287,948. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,079. PREPARATION FOR USE AS A RAT EXTERMINATOR. HENRY L. RICK, doing business as H. L. Rick Drug Company, Gallon, Ohio.

Filed July 31, 1929. Serial No. 287,938. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,080. PHARMACEUTICAL PREPARATION IN THE FORM OF A SALT OF EQUAL PARTS OF SODIUM, IODIDE, AND SODIUM BROMIDE FOR EXTERNAL USE IN BATHING AS AN ANTISEPTIC WASH OR IRRIGATIONS. CHARLES JOHN GLASEL, New York, N. Y.

Filed July 31, 1929. Serial No. 287,923. PUBLISHED OCTOBER 1, 1929. Class 6.

265,081. MEDICINAL PREPARATION USED IN THE EXTERNAL TREATMENT OF THE HUMAN FOOT—NAMELY, BLISTERS, ITCHING AND PEELING OF THE TOES AND FEET, GOLFER'S FOOT, TRENCH FOOT, ATHLETE'S FOOT, AND DACTYLITIS. CHAMPAIGN CHEMICAL CO., Champaign, Ill.

Filed July 31, 1929. Serial No. 287,903. PUBLISHED OCTOBER 1, 1929. Class 6.

265,082. CHEMICAL YELLOWISH OILY PREPARATION FOR USE IN CALICO PRINTING. GENERAL DYE STUFF CORPORATION, New York, N. Y.

Filed July 19, 1929. Serial No. 287,344. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,083. HAIR AND SCALP SHAMPOO. CHARLES L. BANKS, doing business as Nar-O Company, St. Louis, Mo.

Filed July 17, 1929. Serial No. 287,230. PUBLISHED OCTOBER 1, 1929. Class 6.

265,084. TOILET ARTICLES. ROGER S. ALLAN, New York, N. Y., assignor of one-half to Jessie W. Taylor, New York, N. Y.

Filed July 17, 1929. Serial No. 287,221. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,085. PERFUME, TOILET WATER, FACE POWDER, TALCUM, ROUGE, LIP STICK, FACE CREAM, TOILET CREAMS, AND BATH SALTS. PINAUD INCORPORATED, New York, N. Y.

Filed July 16, 1929. Serial No. 287,204. PUBLISHED OCTOBER 1, 1929. Class 6.

265,086. PERFUME, TOILET WATER, FACE POWDER, TALCUM, ROUGE, LIP STICK, FACE CREAM, TOILET CREAMS, AND BATH SALTS. PINAUD INCORPORATED, New York, N. Y.
Filed July 16, 1929. Serial No. 287,203. PUBLISHED OCTOBER 1, 1929. Class 6.

265,087. PERFUME, TOILET WATER, FACE POWDER, TALCUM, ROUGE, LIP STICK, FACE CREAM, TOILET CREAMS, AND BATH SALTS. PINAUD INCORPORATED, New York, N. Y.
Filed July 16, 1929. Serial No. 287,202. PUBLISHED OCTOBER 1, 1929. Class 6.

265,088. HAIRDRESSING PREPARATION. HY-TONE LABORATORIES, Nashville, Tenn.
Filed July 15, 1929. Serial No. 287,142. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,089. MEDICINE FOR PERSPIRATION. JOSÉ RODOLFO MELÉNDEZ, New York, N. Y.
Filed July 1, 1929. Serial No. 286,444. PUBLISHED OCTOBER 8, 1929. Class 6.

265,090. PREPARATIONS OR COMPOUNDS AND SOLUTIONS. KEM PRODUCTS CO. INC., Newark, N. J.
Filed June 8, 1929. Serial No. 285,275. PUBLISHED OCTOBER 8, 1929. Class 6.

265,091. ANTISEPTIC POWDER. RAYMOND G. HOUSE, doing business as Melrose Chemical Co., Wichita, Kans.
Filed June 5, 1929. Serial No. 285,097. PUBLISHED OCTOBER 8, 1929. Class 6.

265,092. SMOKING AND CHEWING TOBACCO, CIGARS, CIGARETTES, AND SNUFF. INTERNATIONAL TOBACCO COMPANY LIMITED, London, England.
Filed August 29, 1929. Serial No. 289,152. PUBLISHED OCTOBER 8, 1929. Class 17.

265,093. RICE. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y.
Filed August 23, 1929. Serial No. 288,929. PUBLISHED OCTOBER 1, 1929. Class 46.

265,094. ARTICLES MADE FROM SAFETY GLASS. SPINTEX SAFETY GLASS LIMITED, Teddington, England.
Filed July 9, 1929. Serial No. 286,840. PUBLISHED OCTOBER 8, 1929. Class 19.

265,095. COMBINATION VEHICLE STEP PLATE AND LUGGAGE CARRIER. THE WAHL COMPANY, Chicago, Ill.
Filed July 8, 1929. Serial No. 286,809. PUBLISHED OCTOBER 8, 1929. Class 19.

265,096. METALLIC REFLECTORS FOR INCANDESCENT LAMPS. HERMAN MAYER CO. INC., Philadelphia, Pa.
Filed July 6, 1929. Serial No. 286,691. PUBLISHED OCTOBER 8, 1929. Class 34.

265,097. BASKET BALLS. THE DRAPER-MAYNARD COMPANY, Plymouth, N. H.
Filed June 27, 1929. Serial No. 286,230. PUBLISHED SEPTEMBER 24, 1929. Class 22.

265,098. MEDICINAL DIAMINO-AZO-BENZOL. OSTRO RESEARCH LABORATORIES, INC., New York, N. Y.
Filed June 21, 1929. Serial No. 285,933. PUBLISHED OCTOBER 1, 1929. Class 6.

265,099. CORNED BEEF, SAUSAGES, HAMS, AND BACON. NEW CITY PACKING & PROVISION CO., Chicago, Ill.
Filed June 20, 1929. Serial No. 285,874. PUBLISHED OCTOBER 1, 1929. Class 46.

265,100. BARBED WIRE. CONTINENTAL STEEL CORPORATION, Kokomo and Indianapolis, Ind., and Canton, Ohio.
Filed June 19, 1929. Serial No. 285,770. PUBLISHED OCTOBER 8, 1929. Class 13.

265,101. MEDICINAL PREPARATION FOR THE TREATMENT OF SPRAINS, BRUISES, STIFFNESS IN JOINTS, MUSCLE SORENESS, AND SIMILAR COMPLAINTS. DR. D. JAYNE & SON, Philadelphia, Pa.
Filed June 13, 1929. Serial No. 285,519. PUBLISHED OCTOBER 1, 1929. Class 6.

265,102. CANNED SAUERKRAUT. EMPIRE STATE PICKLING CO., Phelps, N. Y.
Filed June 10, 1929. Serial No. 285,345. PUBLISHED OCTOBER 1, 1929. Class 46.

265,103. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER CORPORATION, Detroit, Mich.
Filed June 7, 1929. Serial No. 285,195. PUBLISHED OCTOBER 8, 1929. Class 19.

265,104. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER CORPORATION, Detroit, Mich.
Filed June 7, 1929. Serial No. 285,193. PUBLISHED OCTOBER 8, 1929. Class 19.

265,105. POCKETBOOKS AND BILL FOLDS. EMIL WEISSER & SONS, Greenfield, Mass.
Filed August 17, 1929. Serial No. 288,680. PUBLISHED OCTOBER 1, 1929. Class 3.

265,106. CAKE FLOUR. THE NORTHWESTERN ELEVATOR & MILL COMPANY, Toledo, Ohio.
Filed August 8, 1929. Serial No. 288,307. PUBLISHED OCTOBER 1, 1929. Class 46.

265,107. SWEETENED FRESH SHRED COCOANUT. THE GLIDDEN FOOD PRODUCTS COMPANY, Chicago, Ill.
Filed July 27, 1929. Serial No. 287,754. PUBLISHED OCTOBER 8, 1929. Class 46.

265,108. BREAD. GENERAL BAKING COMPANY, New York, N. Y.
Filed July 24, 1929. Serial No. 287,637. PUBLISHED OCTOBER 1, 1929. Class 46.

265,109. PLAIN FLOUR AND A SELF-RISING FLOUR. THE ROBINSON MILLING CO., Salina, Kans.
Filed July 24, 1929. Serial No. 287,598. PUBLISHED OCTOBER 1, 1929. Class 46.

265,110. SUGAR MOLDED INTO CUBES OR TABLETS. SPRECKELS SUGAR CORPORATION, New York, N. Y.
Filed July 23, 1929. Serial No. 287,548. PUBLISHED OCTOBER 8, 1929. Class 46.

265,111. EGGS, CHEESE, OLIVE OIL, SWEET BUTTER, ETC. PINA E. C. ALLEVA, doing business as F. Alleva, New York, N. Y.
Filed July 19, 1929. Serial No. 287,323. PUBLISHED OCTOBER 8, 1929. Class 46.

265,112. MALT EXTRACT. HENRY RUBIN, doing business as Bear Malt Products Company, Brooklyn, N. Y.
Filed July 18, 1929. Serial No. 287,315. PUBLISHED OCTOBER 8, 1929. Class 46.

265,113. FRIED APPLE CHIPS. OTTO'S ORIGINAL APPLE CHIPZ COMPANY, Atlanta, Ga.
Filed June 18, 1929. Serial No. 285,747. PUBLISHED OCTOBER 8, 1929. Class 46.

265,114. CANNED VEGETABLES, CANNED FRUITS, EXTRACTS FOR FOOD-FLAVORING PURPOSES, SPICES, CONDIMENTS—NAMESLY, MUSTARD, PEPPER, SAGE. JACOBSON, REIMERS CO., San Francisco, Calif.
Filed June 5, 1929. Serial No. 285,099. PUBLISHED OCTOBER 1, 1929. Class 46.

265,115. HANDLES FOR HAND TOOLS. IVORY HANDLE COMPANY, Hope, Ark.
Filed May 7, 1929. Serial No. 283,614. PUBLISHED OCTOBER 1, 1929. Class 23.

265,116. LEATHER CASES FOR MANICURE SETS, SEWING SETS, LIBRARY SETS, SCISSOR SETS, RAZOR SETS, TRAVELLING SETS. J. A. HENCKELS, Solingen, Germany.
Filed April 4, 1929. Serial No. 281,832. PUBLISHED OCTOBER 1, 1929. Class 3.

265,117. WHEAT FLOUR. THE LIGHT GRAIN & MILLING CO., Liberal, Kans.
Filed April 30, 1929. Serial No. 283,285. PUBLISHED JUNE 18, 1929. Class 46.

265,118. CIGARS AND CIGARETTES. ALHAMBRA CIGAR & CIGARETTE MANUFACTURING COMPANY, Manila, P. I.
Filed March 14, 1929. Serial No. 280,681. PUBLISHED OCTOBER 8, 1929. Class 17.

265,119. POULTRY FOODS—TO WIT, CHICK MASH, EGG MASH, SCRATCH GRAINS, CHOP FEED, AND GROWING MASH. SOUTHERN MILLING CO., Augusta, Ga.
Filed February 7, 1929. Serial No. 279,010. PUBLISHED OCTOBER 1, 1929. Class 46.

265,120. CHOLERA MEDICINE, A GRUB DESTROYER, AND A FOUNDER PREPARATION FOR HORSES. D. B. ONEY, doing business as D. B. Oney Remedy Co., Greenwich, Ohio.
Filed May 29, 1929. Serial No. 284,816. PUBLISHED OCTOBER 8, 1929. Class 6.

265,121. COLD CREAM, BLEACHING CREAM, ASTRINGENT CREAM, ETC. MARGUERITA WARD, Chicago, Ill.
Filed May 18, 1929. Serial No. 284,280. PUBLISHED OCTOBER 8, 1929. Class 6.

265,122. TONIC FOR THE RELIEF OF INDIGESTION, GAS ON THE STOMACH, ACIDITY, DYSPEPSIA, AND OTHER AILMENTS OF THE DIGESTIVE ORGANS. JOHN WASKIEWICZ, doing business as Wakie Products Corporation, Bloomfield, N. J.
Filed March 26, 1929. Serial No. 281,385. PUBLISHED OCTOBER 8, 1929. Class 6.

265,123. GENERAL DISINFECTANT. THE NITH VALLEY LABORATORIES LIMITED, New Hamburg, Ontario, Canada.
Filed March 26, 1929. Serial No. 281,369. PUBLISHED OCTOBER 1, 1929. Class 6.

265,124. SUBSTANCE FOR THE TREATMENT OF MENSTRUAL IRREGULARITIES, ETC. AUGUST KARRER, doing business as Luitpold-Werk Chemisch-Pharmaceutische Fabrik, Munich, Germany.
Filed January 29, 1929. Serial No. 278,599. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,125. VAGINAL DISINFECTANT. AUGUST KARRER, doing business as Luitpold-Werk Chemisch-Pharmaceutische Fabrik, Munich, Germany.
Filed January 29, 1929. Serial No. 278,598. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,126. ACETANILID, ACID SALICYLIC, CHLORAMINE, ETC. MONSANTO CHEMICAL WORKS, St. Louis, Mo.
Filed April 4, 1929. Serial No. 281,842. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,127. PLASTICIERS OR SOFTENERS USED IN CONNECTION WITH CELLULOSE ACETATE, CELLULOSE NITRATE, ETC. MONSANTO CHEMICAL WORKS, St. Louis, Mo.
Filed March 18, 1929. Serial No. 280,931. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,128. PATENT MEDICINE TO BE USED FOR RHEUMATISM, GAS, AND STOMACH TROUBLE. WILLIAM SONERL, doing business as Cambridge Medicine Company, Cambridge, Minn.
Filed March 13, 1929. Serial No. 280,674. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,129. LAXATIVE. DAVID WEILL, Bronx, N. Y.
Filed February 19, 1929. Serial No. 279,633. PUBLISHED MAY 7, 1929. Class 6.

265,130. TALCUM POWDER, FACE POWDER, PERFUMES, TOILET WATER, AND FACE CREAM, AND BATH SALTS. BO-KAY PERFUME CO., New York, N. Y.
Filed January 24, 1929. Serial No. 278,378. PUBLISHED MAY 21, 1929. Class 6.

265,131. AUTOMOBILE AND FURNITURE POLISH. D. S. APPELL, doing business as D. S. Appell Products Co., Pleasanton, Wheeling, W. Va.
Filed July 22, 1929. Serial No. 287,444. PUBLISHED OCTOBER 1, 1929. Class 16.

265,132. CANDY. PAUL F. BEICH COMPANY, Chicago, Ill.
Filed July 17, 1929. Serial No. 287,231. PUBLISHED OCTOBER 1, 1929. Class 46.

265,133. GAS-STOVE-LIGHTING ATTACHMENTS. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed July 15, 1929. Serial No. 287,158. PUBLISHED OCTOBER 8, 1929. Class 34.

265,134. CARBON DIOXIDE (CO₂) IN SOLIDIFIED FORMS, MIXTURE, AND COMPOUNDS. DRYICE CORPORATION OF AMERICA, New York, N. Y., and Elizabeth, N. J.
Filed August 21, 1929. Serial No. 288,787. PUBLISHED OCTOBER 1, 1929. Class 6.

265,135. FRESH DECIDUOUS FRUITS. COWICHE GROWERS, INC., Cowiche, Wash.
Filed August 21, 1929. Serial No. 288,784. PUBLISHED OCTOBER 1, 1929. Class 46.

265,136. CHEMICAL PREPARATIONS FOR THE EXTERMINATION OF INSECTS AND RODENTS. JOSEPH CANDIDO, Albany, N. Y.
Filed August 21, 1929. Serial No. 288,782. PUBLISHED OCTOBER 1, 1929. Class 6.

265,137. GENERAL TONIC. BENNETT MEDICINE COMPANY, Springfield, Ill.
Filed August 21, 1929. Serial No. 288,775. PUBLISHED OCTOBER 1, 1929. Class 6.

265,138. CANNED CORN. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans., and Kansas City, Mo.
Filed August 19, 1929. Serial No. 288,711. PUBLISHED OCTOBER 1, 1929. Class 46.

265,139. CANDY. DILLING & COMPANY, Indianapolis, Ind.
Filed August 17, 1929. Serial No. 288,643. PUBLISHED OCTOBER 1, 1929. Class 46.

265,140. PREPARATION FOR RINGWORM, ITCH, AND PARASITIC SKIN DISEASES. SHUPTRINE CO., Savannah, Ga.
Filed August 10, 1929. Serial No. 288,396. PUBLISHED OCTOBER 1, 1929. Class 6.

265,141. CANNED VEGETABLES. LITTLESTOWN CANNING CO. INC., Littlestown, Pa.
Filed August 8, 1929. Serial No. 288,304. PUBLISHED OCTOBER 1, 1929. Class 46.

265,142. INSECTICIDES, DEODORANTS, AND DISINFECTANTS. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y.
Filed August 7, 1929. Serial No. 288,254. PUBLISHED OCTOBER 1, 1929. Class 6.

265,143. INSECTICIDES, DEODORANTS, AND DISINFECTANTS. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y.
Filed August 7, 1929. Serial No. 288,253. PUBLISHED OCTOBER 1, 1929. Class 6.

265,144. INSECTICIDES, DEODORANTS, AND DISINFECTANTS. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y.
Filed August 7, 1929. Serial No. 288,252. PUBLISHED OCTOBER 1, 1929. Class 6.

265,145. FRESH MELONS AND PEACHES. J. B. EAST-ERLIN, Jr., Montezuma, Ga.
Filed August 6, 1929. Serial No. 288,182. PUBLISHED OCTOBER 1, 1929. Class 46.

265,146. AEROPLANES AND STRUCTURAL PARTS THEREOF. AEROTRUS PRODUCTS CORPORATION, Los Angeles, Calif.
Filed August 6, 1929. Serial No. 288,162. PUBLISHED OCTOBER 8, 1929. Class 19.

- 265,147. CANNED BERRIES, CANNED FRUITS, AND CANNED VEGETABLES. WESTERN OREGON PACKING CORPORATION, Corvallis, Oreg.
Filed August 1, 1929. Serial No. 287,986. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,148. OIL BURNERS. HANAK LABORATORY, INC., Stratford, Conn.
Filed July 30, 1929. Serial No. 287,870. PUBLISHED OCTOBER 8, 1929. Class 34.
- 265,149. COFFEE. THOMAS GEORGE LAHART, doing business as Lahart Coffee Company, Nashville, Tenn.
Filed July 27, 1929. Serial No. 287,759. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,150. PREPARATION IN POWDERED FORM FOR THE TREATMENT OF NEURALGIA, TOOTHACHE, HEADACHE, AND LA GRIFFE. LIVINGSTON C. VAN NAME, doing business as Neuro Chemical Company, West New Brighton, N. Y.
Filed July 23, 1929. Serial No. 287,551. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,151. ASSEMBLED APPLIANCES FOR COAL-BURNING HEATING FURNACES CONSISTING OF A GRATE, FORCED-DRAFT, AND AUTOMATIC CONTROL DEVICES. COMBUSTION ENGINEERING AND EQUIPMENT CO. INC., Baltimore, Md.
Filed January 30, 1929. Serial No. 278,637. PUBLISHED OCTOBER 8, 1929. Class 34.
- 265,152. HOSIERY. HENS & KELLY COMPANY, Buffalo, N. Y.
Filed May 28, 1929. Serial No. 284,734. PUBLISHED JULY 23, 1929. Class 39.
- 265,153. LADIES' AND MISSES' DRESSES. SUNKIST PROCKS, INC., New York, N. Y.
Filed May 8, 1929. Serial No. 283,706. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,154. FACE POWDER, TALCUM POWDER, COMPACT POWDER, ROUGE, COLD CREAM, VANISHING CREAM, LIP-STICK ROUGE, HAIR WASH, TOOTH PASTE, SHAMPOO PREPARATIONS, TOILET WATERS, AND PERFUME. HOUSE OF TREJUR, INC., New York, N. Y.
Filed April 23, 1929. Serial No. 282,859. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,155. NURSES' UNIFORMS. BRUCK'S NURSES OUTFITTING CO. INC., New York, N. Y.
Filed April 20, 1929. Serial No. 282,697. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 265,156. UNDERWEAR COMPOSED OF KNITTED FABRIC FOR THE USE OF MEN, WOMEN, AND CHILDREN. TRIKOTFABRIKEN J. SCHIESSER A.-G., Radolfzell, Baden, Germany.
Filed April 12, 1929. Serial No. 282,324. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,157. MEN'S AND WOMEN'S COATS. SARNOFF-IRVING HAT STORES, INC., New York, N. Y.
Filed April 8, 1929. Serial No. 282,058. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,158. WAVY FLUID FOR FINGER-WAVING HAIR. GENE WANDALL, Kansas City, Mo.
Filed March 29, 1929. Serial No. 281,581. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,159. GOWNS, FROCKS, AND DRESSES FOR THE SHORT MISS AND WOMAN. INTER-SIZE DRESS CO. INC., New York, N. Y.
Filed March 9, 1929. Serial No. 280,498. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 265,160. DEODORANT IN CAKELIKE FORM. REGAL PRODUCTS CO., New York, N. Y., and San Francisco, Calif.
Filed March 6, 1929. Serial No. 280,348. PUBLISHED OCTOBER 1, 1929. Class 6.

- 265,161. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF ACUTE AND CHRONIC CATARRHAL CONDITIONS OF THE GENITO-URINARY TRACT. THE VLEN-ORA COMPANY, Artesia, N. Mex.
Filed February 9, 1929. Serial No. 279,123. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,162. COSMETICS—NAMELY, FACE POWDERS, ROUGE, SKIN CREAMS, AND FACE CREAMS, AND SHAMPOOING POWDER. HENRIK GAHNS AKTIEBOLAG, Upsala and Stockholm, Sweden.
Filed January 31, 1929. Serial No. 278,690. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,163. CHEESE. INGERSOLL CREAM CHEESE COMPANY, LIMITED, Ingersoll, Ontario, Canada.
Filed June 3, 1929. Serial No. 284,983. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,164. BREAD, CAKES, CRACKERS, AND CANDY. JUNGE BAKING COMPANY, Joplin, Mo.
Filed May 29, 1929. Serial No. 284,810. PUBLISHED OCTOBER 8, 1929. Class 46.
- 265,165. STABILIZER FOR ICE CREAM, SHERBETS, AND ICES. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed May 24, 1929. Serial No. 284,595. PUBLISHED JULY 16, 1929. Class 46.
- 265,166. FERTILIZERS. SMITH-DOUGLASS COMPANY, INCORPORATED, Norfolk, Va.
Filed August 21, 1928. Serial No. 271,363. PUBLISHED MAY 7, 1929. Class 10.
- 265,167. DRIVE SCREWS, DRIVE PINS, SCREW NAILS, NAILS, RIVETS, AND STUDS. PARKER-KALON CORPORATION, New York, N. Y.
Filed August 13, 1928. Serial No. 270,940. PUBLISHED OCTOBER 8, 1929. Class 13.
- 265,168. BROOMS, MOPS, DUSTERS, AND BRUSHES, THE BRUSHES BEING OF THE DOMESTIC HOUSE BRUSH VARIETY, AND DUSTER MOPS. THE INDUSTRIAL HOME FOR THE BLIND, Brooklyn, N. Y.
Filed August 10, 1928. Serial No. 270,846. PUBLISHED OCTOBER 8, 1929. Class 29.
- 265,169. POULTRY MEDICINE. R. O. CUAL, Sibley, Iowa.
Filed August 10, 1928. Serial No. 270,830. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,170. MALT EXTRACT. LIBBY, McNEILL & LIBBY, Chicago, Ill.
Filed October 15, 1928. Serial No. 273,822. PUBLISHED OCTOBER 8, 1929. Class 46.
- 265,171. HAIR TONICS, SHAMPOOS, AND PREPARATIONS FOR THE HAIR, SCALP, AND HEAD. BENJAMIN F. BRESLAUER, doing business as Thermoll Products, New York, N. Y.
Filed May 26, 1928. Serial No. 267,031. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,172. DERMATOLOGICAL AND EPIDERMICAL CREAM. PINAUD INCORPORATED, New York, N. Y.
Filed May 8, 1928. Serial No. 266,094. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,173. DERMATOLOGICAL AND EPIDERMICAL CREAM. PINAUD INCORPORATED, New York, N. Y.
Filed May 8, 1928. Serial No. 266,093. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,174. CANDY, NUTS, BOTH SHELLLED AND UNSHELLLED, (IN THEIR NATURAL STATE), AND SALTED AND GLACÉ, CANDIED POP CORN, AND BISCUITS. EDWARD F. KEMP, Somerville, Mass.
Filed April 30, 1928. Serial No. 265,659. PUBLISHED OCTOBER 8, 1929. Class 46.
- 265,175. TOILET PREPARATION IN THE NATURE OF A TOILET WATER. MON M. DAB, doing business as Hindu Products Company, Chicago, Ill.
Filed October 5, 1928. Serial No. 273,393. PUBLISHED OCTOBER 1, 1929. Class 6.

- 265,176. RIBBONS, MATERIALS, FABRICS, KNITTED GOODS, AND TRICOTS IN THE PIECE MADE FROM ARTIFICIAL-SILK YARN AND OTHER TEXTILE FIBRES, NOT INCLUDING WOOLEN PIECE GOODS. BRITISH ENKA ARTIFICIAL SILK COMPANY, LIMITED, London, England.
Filed August 31, 1928. Serial No. 271,795. PUBLISHED JULY 9, 1929. Class 42.
- 265,177. DOUGHNUTS. JOE LOWE CORPORATION, Brooklyn, N. Y.
Filed August 22, 1928. Serial No. 271,397. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,178. CEREAL BREAKFAST FOODS. SPERRY FLOUR CO., San Francisco, Calif.
Filed February 23, 1928. Serial No. 262,131. PUBLISHED JULY 24, 1928. Class 46.
- 265,179. PEWTER WARE—NAMELY, CUPS, BOWLS, DISHES, TRAYS, PITCHERS, SALT AND PEPPER SHAKERS. THE WEIDLICH BROS. MFG CO., Bridgeport, Conn.
Filed December 11, 1928. Serial No. 276,591. PUBLISHED OCTOBER 8, 1929. Class 13.
- 265,180. MEDICINAL PREPARATION FOR TREATING DISEASES OF THE KIDNEYS. JAMES S. RILEY, doing business as Riley Medicine Company, Stedman, N. C.
Filed October 17, 1928. Serial No. 273,938. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,181. TOILET PREPARATIONS, INCLUDING THE FOLLOWING: FACE CREAM, SKIN TONIC, LIQUID FACE POWDER, VANISHING CREAM, TISSUE CREAM, ASTRINGENT LOTION, VELVET CREAM, FACE POWDER, FACE LOTION, LIP STICK, AND ROUGE. KARLIN LABORATORIES, INC., New York, N. Y.
Filed January 7, 1928. Serial No. 259,807. PUBLISHED JULY 24, 1928. Class 6.
- 265,182. ROUGES, DENTIFRICES, POWDERS, ETC. SOCIÉTÉ ANONYME ENZEL, Paris, France.
Filed June 22, 1928. Serial No. 268,517. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,183. BELTING, HOSE, AND PACKING. A.-B. COLLAN-OLJE-FABRIKEN, T. OLSEN, Stockholm, Sweden.
Filed June 19, 1928. Serial No. 268,269. PUBLISHED SEPTEMBER 17, 1929. Class 35.
- 265,184. LIQUID PREPARATION TO KILL FLIES, MOTHS, MOSQUITOES, ROACHES, FLEAS, BEDBUGS, AND ANTS. THE HILEX COMPANY, St. Paul, Minn.
Filed June 16, 1928. Serial No. 268,154. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,185. CANNED CHILES. CLEMENTE JACQUES Y CIA., Mexico, Mexico.
Filed June 6, 1928. Serial No. 267,582. PUBLISHED SEPTEMBER 17, 1929. Class 46.
- 265,186. CANDY, NUTS, ETC. EDWARD F. KEMP, Somerville, Mass.
Filed April 30, 1928. Serial No. 265,653. PUBLISHED OCTOBER 8, 1929. Class 46.
- 265,187. FLUIDS FOR FILLING CIGAR AND CIGARETTE LIGHTERS. O'NEIL OIL COMPANY, Milwaukee, Wis.
Filed March 7, 1928. Serial No. 262,765. PUBLISHED MAY 8, 1928. Class 6.
- 265,188. MEN'S AND BOYS' OUTER SUITS, COATS, VESTS, TROUSERS, TOPCOATS, AND OVERCOATS. J. B. STRAUSS & CO., New York, N. Y.
Filed March 5, 1928. Serial No. 262,634. PUBLISHED JULY 31, 1928. Class 39.
- 265,189. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS, PAJAMAS, AND NIGHTSHIRTS. CHRISTERFIELD SHIRT COMPANY, Louisville, Ky.
Filed March 5, 1928. Serial No. 262,597. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,190. POTATO CHIPS; CRISPETTES, WHICH IS A CONFECTION MADE FROM POP CORN AND SYRUP. ALL SEASON SPECIALTY CO., Chicago, Ill.
Filed May 16, 1929. Serial No. 284,106. PUBLISHED OCTOBER 8, 1929. Class 46.
- 265,191. HAIR TONIC. EDGARD JOSEPH LEDET, doing business as The Berlin Laboratories, New Orleans, La.
Filed May 27, 1929. Serial No. 284,684. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,192. HEEL BRACES FOR SHOES. MARTHA R. HARRIS, Indianapolis, Ind.
Filed May 6, 1929. Serial No. 283,563. PUBLISHED OCTOBER 8, 1929. Class 13.
- 265,193. MEDICAL COMPOUND FOR THE EXTERNAL TREATMENT OF DISEASED OR INFECTED TISSUES, EXCLUDING EYEWASHES OR EYE LOTIONS. GEORGE H. GODDERHAM, doing business as Osmosol Limited, Toronto, Ontario, Canada, assignor to Osmosol Limited, Toronto, Ontario, Canada.
Filed March 18, 1929. Serial No. 280,906. PUBLISHED MAY 28, 1929. Class 6.
- 265,194. CANDY. BISHOP & COMPANY, Los Angeles, Calif.
Filed January 22, 1929. Serial No. 278,278. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,195. CANDIES AND CRYSTALLIZED FRUITS. SOCIÉTÉ DAILLY ET CIE., Paris, France.
Filed February 14, 1929. Serial No. 279,361. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,196. COD-LIVER OIL, BONESET, SENNA LEAVES, ETC. UNITED DRUG COMPANY, Boston, Mass.
Filed July 18, 1929. Serial No. 287,319. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,197. COSMETIC PREPARATIONS, BEAUTIFYING PREPARATIONS ESPECIALLY FOR PRESERVING THE HUMAN SKIN, PERFUMED CREAMS. PETER MÜLHENS, doing business as Eau de Cologne & Parfümerie-Fabrik Glockengasse No. 4711 gegenüber der Pferdepost von Ferd. Mühlens, Cologne-on-the-Rhine, Germany.
Filed August 2, 1929. Serial No. 288,025. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,198. CHEMICAL COMPOUND FOR MEDICINAL BATHS. OSMOS COMPANY OF AMERICA, Boston, Mass.
Filed August 2, 1929. Serial No. 288,033. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,199. TONICS FOR STIMULATING THE APPETITE AND PROMOTING GASTRIC DIGESTION AND TONIC LAXATIVES. BON KURA PRODUCTS CO., Lansing, Mich.
Filed August 5, 1929. Serial No. 288,104. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,200. GENERAL MEDICINAL TONIC WITH A WINE BASE. J. J. KAUFMAN, doing business as St. Bernard Tonic Co., Los Angeles, Calif.
Filed August 12, 1929. Serial No. 288,423. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,201. COMPOUND FOR THE RELIEF OF ARTERIAL HYPERTENSION. SUTLIFF & CASE CO., INC., Peoria, Ill.
Filed August 15, 1929. Serial No. 288,577. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,202. MEDICINE FOR INTERNAL USE FOR DYSMENORRHEA. DAVID HILLMAN, Chicago, Ill.
Filed August 19, 1929. Serial No. 288,708. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,203. ANTISEPTIC SOLUTION. HERBERT A. HYMER, doing business as Dresden Drug Company, Detroit, Mich.
Filed August 24, 1929. Serial No. 288,961. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,204. MEDICAL PREPARATIONS. R-S-I-Co., Lakeport, N. H.
Filed August 29, 1929. Serial No. 289,164. PUBLISHED OCTOBER 8, 1929. Class 6.

- 265,205. AN ANTISEPTIC, ASTRINGENT, DEODORANT, AND PROPHYLACTIC. LOUIS A. MUNROE, Jr., doing business as The Menthollite Co., Nashville, Tenn. Filed June 6, 1929. Serial No. 285,164. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,206. PREPARATION FOR REMOVING DANDRUFF. JOSEPH N. LIMA, Chicago Heights, Ill. Filed June 12, 1929. Serial No. 285,462. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,207. INSECTICIDE, DEODORANT, DISINFECTANT, AND PERFUME. S. B. PENICK & COMPANY, New York, N. Y. Filed June 18, 1929. Serial No. 285,764. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,208. PREPARATION FOR FOOT AILMENTS. WILLIAMS DRUG COMPANY, INC., Little Rock, Ark. Filed June 18, 1929. Serial No. 285,765. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,209. CHEMICAL PREPARATION FOR KILLING WEEDS. DURECOIDE CHEMICAL AND MACHINE CORPORATION, Portland, Oreg. Filed June 19, 1929. Serial No. 285,773. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,210. VEGETABLE LAXATIVE MEDICAL COMPOUND. MEXICAN MEDICINE COMPANY INC., Los Angeles, Calif. Filed June 24, 1929. Serial No. 286,070. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,211. INSECTICIDE. JAMES GOOD, INC., Philadelphia, Pa. Filed June 28, 1929. Serial No. 286,326. PUBLISHED AUGUST 6, 1929. Class 6.
- 265,212. MEDICINAL CARMINATIVE AND ANTACID. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed June 28, 1929. Serial No. 286,351. PUBLISHED SEPTEMBER 17, 1929. Class 6.
- 265,213. PHARMACEUTICAL PRODUCT. NUMOTIZINE, INC., Chicago, Ill. Filed June 29, 1929. Serial No. 286,382. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,214. ANTIHOG-CHOLERA SERUM, HOG-CHOLERA VIRUS. MORRELL SERUM CO., Ottumwa, Iowa. Filed July 12, 1929. Serial No. 286,996. PUBLISHED OCTOBER 8, 1929. Class 6.
- 265,215. HAIR TONIC. CHARLES ARNAO COMPANY, Minneapolis, Minn. Filed July 13, 1929. Serial No. 287,035. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,216. A DRY WHITE POWDER SOLD IN BARRELS TO LAUNDRIES AS A SOAP BUILDER. PROVIDENT CHEMICAL WORKS, St. Louis, Mo. Filed July 20, 1929. Serial No. 287,423. PUBLISHED SEPTEMBER 10, 1929. Class 4.
- 265,217. YOUNG MEN'S SUITS, OVERCOATS, AND SPRING COATS. SHELLBROOK CLOTHES, INC., New York, N. Y. Filed July 22, 1929. Serial No. 287,499. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 265,218. CORSETS. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 29, 1929. Serial No. 287,844. PUBLISHED SEPTEMBER 10, 1929. Class 39.
- 265,219. CLOTHING. CHAS. DOUGLAS-MACK CO., INC., New York, N. Y. Filed August 8, 1929. Serial No. 288,295. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 265,220. LADIES', MISSES', AND CHILDREN'S FROCKS AND DRESSES. JOROCO DRESSES, INC., New York, N. Y. Filed August 9, 1929. Serial No. 288,339. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,221. BATHING SUITS FOR MEN, WOMEN, AND CHILDREN. SINCLAIR KNITTING MILLS, INC., New York, N. Y. Filed August 13, 1929. Serial No. 288,490. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 265,222. MEN'S AND YOUNG MEN'S SUITS. KELLER HEUMANN & THOMPSON COMPANY, INC., Rochester, N. Y. Filed August 14, 1929. Serial No. 288,493. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 265,223. PRODUCT FOR ANTISEPTIC, HEALING, AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo., and Jersey City, N. J. Filed August 14, 1929. Serial No. 288,522. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,224. PREPARATION FOR THE TREATMENT OF COUGHS DUE TO COLDS AND FOR CERTAIN IRRITATION OF THE BRONCHIAL TUBES. I. TOLKOW, doing business as TolK Medicine Co., New York, N. Y. Filed June 5, 1929. Serial No. 285,124. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,225. COSMETICS—NAMELY, ROUGE. MAX FACTOR & CO., Los Angeles, Calif. Filed August 21, 1929. Serial No. 288,789. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,226. CANNED FISH. FRANCO-ITALIAN PACKING CO., Terminal, Calif. Filed August 21, 1929. Serial No. 288,792. PUBLISHED OCTOBER 1, 1929. Class 46.
- 265,227. LIQUID SOLVENT. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y. Filed August 21, 1929. Serial No. 288,795. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,228. CHEMICAL PRODUCT OF METHYL CELLULOSE TO BE USED AS A BINDING MATERIAL AND DRESSING AGENT IN THE TEXTILE INDUSTRIES. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany. Filed June 4, 1929. Serial No. 285,025. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,229. BOYS' DRESS AND FLANNEL SHIRTS, BLOUSES, PAJAMAS, AND LUMBERJACKS. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed June 10, 1929. Serial No. 285,351. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,230. PREPARATION USED TO PRODUCE A TAN AND TO ENCOURAGE SKIN HEALTH. GEORGE HAUSER, doing business as G. Hauser, New York, N. Y. Filed August 21, 1929. Serial No. 288,799. PUBLISHED OCTOBER 1, 1929. Class 6.
- 265,231. HOSIERY. PATERSON-MUTUAL HOSIERY MILLS, INC., Paterson, N. J. Filed June 11, 1929. Serial No. 285,423. PUBLISHED SEPTEMBER 24, 1929. Class 39.
- 265,232. HOSIERY. WOOLLEY KNITTING MILLS, Shelbyville, Tenn. Filed June 17, 1929. Serial No. 285,723. PUBLISHED OCTOBER 1, 1929. Class 39.
- 265,233. LINIMENT FOR INTERNAL AND EXTERNAL TREATMENT OF ACES AND PAINS, ESPECIALLY RECOMMENDED FOR RHEUMATISM, NEURALGIA, HEADACHE, TOOTHACHE, SORE THROAT AND CHEST, CROUP, LUMBAGO, SPRAINS AND BRUISES; CORN TREATMENT; LAXATIVE TABLETS; 4 IN 1 TABLET TREATMENT FOR THE STOMACH, LIVER, KIDNEYS, AND BOWELS; AND CATARRH POWDER. JOSIAH S. HOYT, Grants Pass, Oreg. Filed June 19, 1929. Serial No. 285,818. PUBLISHED SEPTEMBER 24, 1929. Class 6.
- 265,234. HOSIERY. CONEWAGO TEXTILES INC., Elizabethtown, Pa. Filed July 3, 1929. Serial No. 286,551. PUBLISHED OCTOBER 1, 1929. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

265,235. (CLASS 27. HOROLOGICAL INSTRUMENTS.) STRAUSS & NEUGASS, INC., New York, N. Y. Filed Sept. 24, 1929. Serial No. 290,199.

ESSEN

For Watchcases.
Claims use since Apr. 3, 1928.

265,236. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NESBITT FRUIT PRODUCTS, INC., Los Angeles, Calif. Filed Sept. 5, 1929. Serial No. 289,362.

Nesbitt's

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Crushed Fruits in Glass, Syrups, Extracts, Colors, Prepared Chocolate and Cocoa, All Used as Ingredients for Soft Drinks.
Claims use since on or about Feb. 22, 1927.

265,237. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NOVELTEX, INC., New York, N. Y. Filed Aug. 13, 1929. Serial No. 288,482.

MON-O-TONE

For Cotton, Silk, and Cotton and Silk Fabrics in the Piece.
Claims use since July 1, 1927.

265,238. (CLASS 11. INKS AND INKING MATERIALS.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed June 6, 1929. Serial No. 285,139.

TRUINK

For Soluble Ink Composition.
Claims use since Jan. 31, 1928.

265,239. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE MORGAN BELLEEK CHINA COMPANY, Canton, Ohio. Filed Jan. 6, 1928. Serial No. 259,779.

MORGAN BELLEEK AZURE

For Chinaware, Pottery, and Semivitreous Porcelain.
Claims use since Dec. 19, 1927.

265,240. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD SONS, doing business as Richard Sons & Co., Cologne-Lindenthal, Germany. Filed Nov. 9, 1927. Serial No. 257,312.

Caruso

For Cacao, Chocolate, Articles of Confectionery Made Principally of Sugar; Dietetic Foods—Name, Babies' Food, Biscuits, and Cakes; and Malt.
Claims use since October, 1912.

265,241. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Feb. 21, 1929. Serial No. 279,718.

LITTLE FOLKS

For Hosiery.
Claims use since Oct. 13, 1928.

265,242. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GRANT DENTAL MANUFACTURING CO., Detroit, Mich. Filed Mar. 14, 1929. Serial No. 280,704.

GRANT ANATOMICAL BACKING

For Backings for Artificial Teeth.
Claims use since June 1, 1929.

265,243. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BURGESS NORTON Mfg Co., Geneva, Ill. Filed Mar. 27, 1929. Serial No. 281,406.

Perfectlap

For Pistons, Piston Pins, Power-Transmission Clutches and Parts Thereof, and Poppet Valves for Internal-Combustion Engines.

Claims use since Apr. 1, 1919.

265,244. (CLASS 37. PAPER AND STATIONERY.) KURTZ BAOS., Clearfield, Pa. Filed May 2, 1929. Serial No. 283,404.

MODERN

For Pencil Tablets, Pen Tablets, Composition Books, Writing Paper, Notebooks, and Spelling Tablets.

Claims use since June 19, 1923.

265,245. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN HAUZ, doing business as John Hautz Chemical Company, Cleveland, Ohio. Filed May 14, 1929. Serial No. 283,999.

NOX-DIRT

For Paste Cleaner Used for the Cleaning of Painted, Varnished, Lacquered, and Enameled Surfaces, Carpets, Rugs, and Fabrics, Silver, Nickel, Brass, and All Metal Surfaces, Marble, Tile, and Terra Cotta, Glass and Leather.

Claims use since June 10, 1928.

265,246. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOSEPH S. BUSHEY, doing business as Joseph S. Bushey Company, Los Angeles, Calif. Filed Dec. 1, 1926. Serial No. 240,802.

BUSHEY

For Axle Presses.

Claims use since Nov. 1, 1926.

265,247. (CLASS 37. PAPER AND STATIONERY.) CENTRAL PENCIL CO., INC., New York, N. Y. Filed June 20, 1928. Serial No. 268,349.

TU-TONE

For Lead Pencils.

Claims use since May 1, 1928.

265,248. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT J. CLARK, doing business as Clark's Dollar Store and Clark's Dollar Stores, Los Angeles, Calif. Filed July 13, 1928. Serial No. 269,512.

Dollar Store

For Games—Namely, Card Games and Parcheesi; Toys—Namely, Dolls and Doll Furniture; Sporting Goods—Namely, Footballs and Basket Balls.

Claims use since Mar. 1, 1925.

265,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES WEAR, Allston, Mass. Filed Aug. 6, 1928. Serial No. 270,683.

NU-ROLL

For Baked Rolls or Loaves of Bread.

Claims use since July 11, 1928.

265,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAYARD S. SCOTLAND, doing business as The 3 Minute Macaroni Co., Joliet, Ill. Filed Oct. 12, 1928. Serial No. 273,723.

3 MINUTE MACARONI

For Alimentary Paste Products—Namely, Macaroni.

Claims use since Oct. 4, 1928.

265,251. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY Co., Chicago, Ill. Filed Oct. 17, 1928. Serial No. 273,897.

BESTOVALL

For Hosiery.

Claims use since Sept. 29, 1928.

265,252. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEATH ROBERT-GROSS, INC., New York, N. Y. Filed Nov. 12, 1928. Serial No. 275,150.

Wearfast

For Linen, Cotton, and Silk Piece Goods.

Claims use since Oct. 31, 1928.

265,253. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE A. L. POWELL POWER COMPANY INCORPORATED, Miles City, Mont., and Oak Park, Ill. Filed Jan. 19, 1929. Serial No. 278,189.

LEVER MOTOR.

For Internal-Combustion Engines.

Claims use since Dec. 5, 1927.

TRADE-MARK REGISTRATIONS RENEWED

33,094. PERFUMES. Registered June 20, 1899. MELLIER DRUG COMPANY, St. Louis, Mo. Renewed June 20, 1929, to Mellier Company, Perfumer, New York, N. Y., a Corporation of Missouri, assignee.

33,095. PERFUMES. Registered June 20, 1899. MELLIER DRUG COMPANY, St. Louis, Mo. Renewed June 20, 1929, to Mellier Company, Perfumer, New York, N. Y., a Corporation of Missouri, assignee.

72,142. PIECE GOODS MADE OF COTTON, WOOL, AND MIXED COTTON AND WOOL. Registered January 5, 1909. WM. H. BROWN SON & CO. Renewed January 5, 1929, to Matthew W. Ryan Sons & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

72,247. CERTAIN CHEMICAL AND PHARMACEUTICAL PREPARATIONS. Registered January 12, 1909. THE HEYDEN CHEMICAL WORKS. Renewed January 12, 1929, to Heyden Chemical Corporation, New York, N. Y., a Corporation of New York, assignee by mesne assignments.

72,248. BISMUTH BITANNATE (A PHARMACEUTICAL PREPARATION). Registered January 12, 1909. THE HEYDEN CHEMICAL WORKS. Renewed January 12, 1929, to Heyden Chemical Corporation, New York, N. Y., a Corporation of New York, assignee by mesne assignments.

74,747. RESINS. Registered August 3, 1909. JULIUS STOCKHAUSEN, Krefeld, Germany. Renewed August 3, 1929, to Chemische Fabrik Stockhausen & Cie., Krefeld, Germany, a Corporation of Germany, assignee.

75,013. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered August 24, 1909. FORD MANUFACTURING Co. Renewed August 24, 1929, to Ford Roofing Products Company, Chicago, Ill., a Corporation of Illinois, by change of name.

75,097. VALVES. Registered August 31, 1909. THE SAFETY CYLINDER VALVE COMPANY. Renewed August 31, 1929, to Charles E. Schreidt, Mansfield, Ohio, assignee by mesne assignments.

75,301. PILSEN BEER. Registered September 21, 1909. BÜRGERLICHES BRÄUHAUS IN PILSEN, Pilsen, Austria-Hungary. Renewed September 21, 1929, to Bürgerliches Bräuhaus in Pilsen, Pilsen, Czechoslovakia, a Firm formerly of Austria-Hungary, now of Czechoslovakia.

75,499. WHEAT FLOUR. Registered October 12, 1909. THE BOZEMAN MILLING COMPANY, Bozeman, Mont. Renewed October 12, 1929, to Montana Flour Mills Company, Great Falls, Harlowton, Lewiston, and Bozeman, Mont., a Corporation of Montana, successor.

75,503. LARD, PORK SAUSAGE, BREAKFAST BACON, AND HAMS. Registered October 12, 1909. THE CLEVELAND PROVISION COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed October 12, 1929.

76,909. DENTAL SUCTION CUPS. Registered February 22, 1910. EUREKA SUCTION Co. Renewed February 22, 1930, to Harry R. Priest, Loudonville, Ohio, successor.

LABELS

REGISTERED DECEMBER 17, 1929

36,740.—Title: JOLLY BOY. For Prunes. BEANEY & COMPANY, Walla Walla, Wash. Published September 28, 1929.

36,741.—Title: LINDY JULEP. For Soft Drink. L. M. BUNNELL, doing business as L. M. Bunnell Company, Detroit Lakes, Minn. Published November 15, 1928.

36,742.—Title: CANNON LAVENLAWN SHEETS. For Sheets. CANNON MILLS, INC., New York, N. Y. Published July 25, 1929.

36,743.—Title: CANNON LAVENLAWN PILLOW-CASES. For Pillowcases. CANNON MILLS, INC., New York, N. Y. Published July 25, 1929.

36,744.—Title: LEM-O FOR PYORRHEA—USES OF LEM-O—DIRECTIONS. For a Dental Preparation. JAMES A. COCHRANE, Keokuk, Iowa. Published October 9, 1929.

36,745.—Title: CRAMER'S. For Hair Tonic. CRAMER REMEDY COMPANY, Chicago, Ill. Published October 4, 1929.

36,746.—Title: CAPUT OINTMENT FOR WHOOPING COUGH. For Ointment for Whooping Cough. J. GEZON & CO., Grand Rapids, Mich. Published April 15, 1928.

36,747.—Title: BERRI SUPREME THE BEST STRAW-BERRY KNOWN EVERBEARING. For Straw-berries. LEWIS M. GILLILAN, Salt Lake City, Utah. Published September 20, 1929.

36,748.—Title: SUNNY BROOK. For Fresh Apples. ISRAEL ERBES ORCHARD CO., Dayton, Wash. Published October 1, 1929.

36,749.—Title: DEFIANCE EARLY JUNE PEAS. For Canned Peas. JOBBERS SERVICE INCORPORATED, Coldwater, Mich. Published June 1, 1929.

36,750.—Title: E. F. KEMP SIGNATURE COFFEE. For Coffee. EDWARD F. KEMP, Boston, Somerville, and Worcester, Mass. Published October 31, 1929.

36,751.—Title: SOLUTION OF SORPTIN. For Medicinal Preparation for Rheumatism, Rheumatoid Arthritis, and Neuritis. THE MEDICAL SPECIALTIES CO. INC., East Orange, N. J. Published November 1, 1929.

36,752.—Title: SUNBEAM. For Oleomargarine. THE MENASHA PRODUCTS COMPANY, Chicago, Ill., assignor to Ideal Food Products Co., Peoria, Ill. Published October 22, 1929.

36,753.—Title: NU-FOOT. For a Preparation for Treatment of Foot Diseases. NU-FOOT LABORATORIES, INC., New Orleans, La. Published July 26, 1929.

36,754.—Title: MONDOIL. For Medicinal Preparation. BURTON W. PORTER, Springfield, Mass. Published September 19, 1929.

36,755.—Title: RESTORIA. For Medicine. RESTORIA CORPORATION, Milwaukee, Wis. Published June 8, 1929.

36,756.—Title: MORRIS ZEPPELIN BREAD. For Bread. MORRIS SHUMOFKY, Bridgeport, Conn. Published October 1, 1929.

36,757.—Title: GRAPEFRUIT HEARTS. For Canned Grapefruit. SPANISH AMERICAN FRUIT CO., INC., Porto Rico, West Indies, and New York, N. Y. Published August 21, 1929.

- 36,758.—*Title:* A SUPERIOR PRODUCT. For a Medicinal Preparation for Stomach, Liver, Kidney, and Bowels. SUPERIOR LABORATORIES, INC., Milwaukee, Wis. Published September 1, 1929.
- 36,759.—*Title:* ORJE THE MYSTIC PROPHET. For a Game. TRANSOGRAM CO. INC., Brooklyn, N. Y. Published October 3, 1929.

- 36,760.—*Title:* DAINY-MAID BREAD. For Bread. WARD BAKING COMPANY, New York, N. Y. Published October 14, 1929.
- 36,761.—*Title:* MOTHER HUBBARD BREAD. For Bread. WARD BAKING COMPANY, New York, N. Y. Published October 2, 1929.

PRINTS

REGISTERED DECEMBER 17, 1929

- 12,250.—*Title:* READY-SLICED WONDER BREAD. For Bread. BAKERIES SERVICE CORPORATION, New York, N. Y. Published August 6, 1929.
- 12,251.—*Title:* INTRODUCING. For Radios. BALKETT RADIO COMPANY, North Chicago, Ill. Published September 29, 1929.
- 12,252.—*Title:* ORDERS. For Radios. BALKETT RADIO COMPANY, North Chicago, Ill. Published October 9, 1929.
- 12,253.—*Title:* MORE IN-BUILT RADIO. For Radios. BALKETT RADIO COMPANY, North Chicago, Ill. Published October 2, 1929.
- 12,254.—*Title:* CAMPUS CENTER. For Sportswear, Ensembles and Coats, and Afternoon Frocks and Evening Frocks. L. BAMBERGER & CO., Newark, N. J. Published September 3, 1929.
- 12,255.—*Title:* FOOT AND SHOE NORMALIZER. For Shoes. DR. HARRY M. GOEHRING and DR. H. GLEN HALL, Pittsburgh, Pa. Published November 1, 1929.
- 12,256.—*Title:* FOR BUSY FEET. For Stockings. GOTHAM SILK HOSIERY CO., INC., New York, N. Y. Published October 25, 1929.
- 12,257.—*Title:* HIGH QUALITY—LOW PRICE. For Paint and Wall Paper. LIBERTY WALL PAPER CO., INC., Springfield, Mass. Published October 18, 1929.
- 12,258.—*Title:* A MATTER OF MOMENT. For Watches. MARCUS & COMPANY, New York, N. Y. Published March 30, 1929.
- 12,259.—*Title:* FOR SHE'LL HAVE RINGS ON HER FINGERS. For Rings. MARCUS & COMPANY, New York, N. Y. Published August 1, 1929.
- 12,260.—*Title:* VITAPHORE. For Electric Thermo-Vibrator. G. F. SCHMIDT, Los Angeles, Calif. Published August 28, 1929.

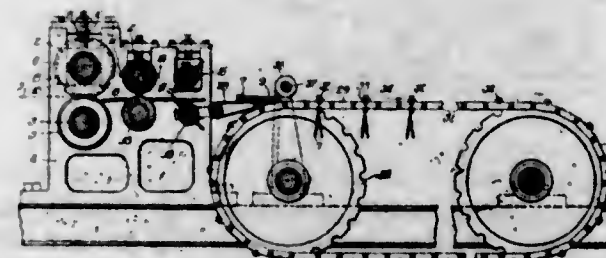
REISSUES

DECEMBER 17, 1929

- 17,523. LIGHT-WEIGHT CERAMIC MATERIAL AND PROCESS OF MAKING THE SAME. RICHARD ERICSON, Chicago, Ill., assignor to United States Gypsum Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1929. Serial No. 399,088. Original No. 1,702,076, dated Feb. 12, 1929, Serial No. 226,259, filed Oct. 14, 1927. 15 Claims. (Cl. 25—156.)

1. A porous ceramic material comprising the burned product resulting from heat treating a mixture of foam and argillaceous material.

- 17,524. PAPER-MATCH-MAKING MACHINE. JULIUS J. FERRETTI, Brooklyn, N. Y., assignor, by mesne assignments, to The Universal Match Corporation, a Corporation of Delaware. Filed Aug. 31, 1927. Serial No. 216,723. Original No. 1,605,336, dated Nov. 2, 1926, Serial No. 723,691, filed July 2, 1924. 36 Claims. (Cl. 144—51.)



1. In a paper match making machine, the combination with an endless conveyor, of transverse swiveling members mounted at intervals on said conveyor and having projecting pins thereon to engage the binding perforations in the studs of match book leaves for supporting the latter on said conveyor with their match blanks in depending position, a paraffine tank arranged below said conveyor, a train of buckets adapted to dip into said tank and apply a sufficient quantity of paraffine therefrom to coat the depending match blanks of each match book leaf as it passes over the tank, said bucket train being arranged on an incline for gradually removing them away from the match blanks as the latter advance toward the far end of the tank.

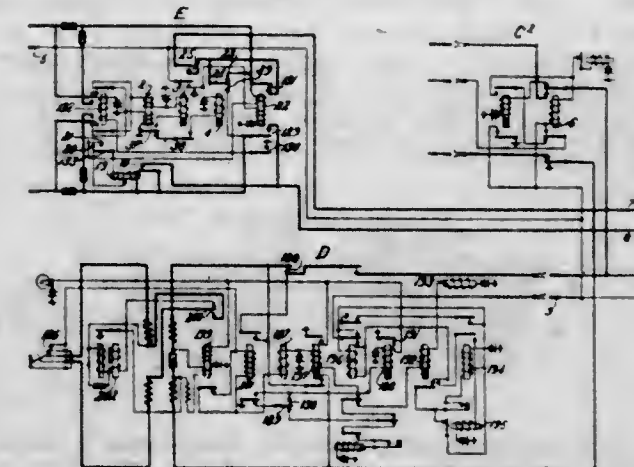
- 17,525. LEG-COVERING GARMENT. JACOB FINK, deceased, St. Paul, Minn., by Rose J. Fink, administratrix, St. Paul, Minn.; said Jacob Fink assignor to said Rose J. Fink. Filed Oct. 28, 1929. Serial No. 402,975. Original No. 1,705,008, dated Mar. 12, 1929, Serial No. 120,646, filed July 6, 1926. 1 Claim. (Cl. 2—224.)



In a leg covering garment, individual leg covering members having inside leg seams meeting in the crotch, said members being united by a front seam extending from the waist-line to a central point in the crotch, each of said members being substantially narrower at the waist-line than at the crotch, and the rear edge of each being substantially longer than the edges meeting at the front seam,

and a seat piece interposed between and connecting the rear edges of the leg covering members to give fullness to the seat of the garment, a triangular portion of said seat piece overlapping the normally lower end of the front seam and forming a crotch reinforcement, the side edges of said seat piece crossing the inside leg seams at points removed from the central point in the crotch.

- 17,526. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Plandome, N. Y., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 28, 1926. Serial No. 84,524. Original No. 1,525,995, dated Feb. 10, 1925, Serial No. 228,546, filed Apr. 15, 1918. Renewed Mar. 16, 1923. 28 Claims. (Cl. 179—27.)



1. In a telephone system, a trunk line, a pair of automatic switches associated with said trunk line, other automatic switches accessible to said pair of switches, means for seizing said trunk line, and for operating one of said pair of switches to seize one of said second switches, and for operating the seized second switch to extend a connection to a called line, connections whereby the other of said pair of switches may be operated over the connected called line to establish connection with a second called line, and a signal for indicating to the subscribers when the connection includes more than one called subscriber.

- 17,527. DOUBLE-LIFT JACK. MILLARD B. LUCKER, Benton Harbor, Mich., assignor to Auto Specialties Manufacturing Company, San Francisco, Calif., a Corporation of California. Filed May 16, 1928. Serial No. 278,261. Original No. 1,593,217, dated July 20, 1926, Serial No. 44,918, filed July 20, 1925. 25 Claims. (Cl. 254—102.)

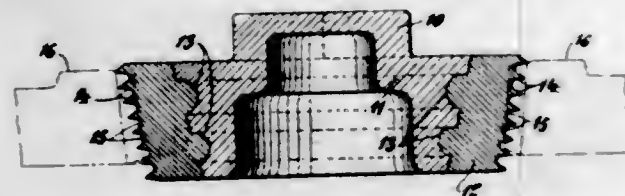
1. In a lifting jack having a support frame, the combination of a driving member mounted in the frame, driving means formed at one end of the driving member and extending outwardly thereof, a lifting member having telescopic relationship and threaded connection with the driving member, and a second lifting member having telescopic relationship with the first lifting member, said driving member and said lifting members having screw

threaded interconnection and arranged so that said second lifting member encloses the first lifting member, resting



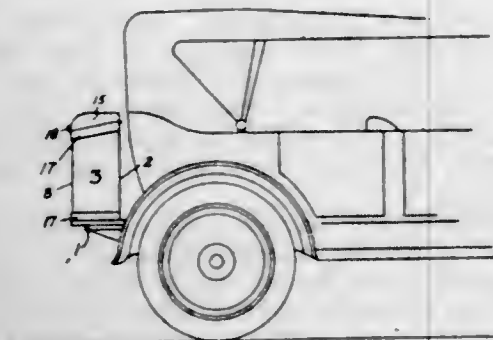
at one end upon said means, when the jack is in collapsed position and means for preventing rotation of the second lifting member during its longitudinal movement.

17,528. CLEAN-OUT PLUG. FREDERICK J. MERSFELDER and PAUL BALZE, Leonia, N. J., assignors to M. & B. Manufacturing Co., Inc., Leonia, N. J., a Corporation of New Jersey. Filed May 7, 1929. Serial No. 361,238. Original No. 1,702,878, dated Feb. 19, 1925. Serial No. 192,357, filed May 18, 1927. 3 Claims. (Cl. 137-76.)



1. The herein described fitting comprising a member having a uniform taper throughout the length thereof, the thread having a broad root of a different diameter than a thread to engage same, said member having a soft metal body to permit a new thread to be cut into the said root on engaging said member with a hard metal threaded device, the taper of the thread of the soft metal member being greater than that of the other member, the pitch of the angles of the sides of the thread being substantially the same for both members.

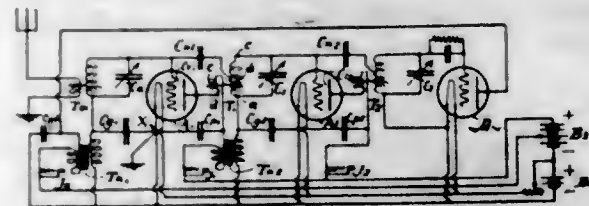
17,529. COMBINATION TRUNK AND LUGGAGE CARRIER. ROBERT M. CORMICAN, Casey, Ill., assignor to Karl-Keen Manufacturing Company, Inc., Sioux City, Iowa, a Corporation of Delaware. Filed Sept. 20, 1929. Serial No. 294,097. Original No. 1,087,427, dated Oct. 9, 1928. Serial No. 221,561, filed Sept. 23, 1927. 20 Claims. (Cl. 224-29.)



1. An attachment for motor vehicles, comprising a trunk including a rear wall, front wall, side walls and a bottom,

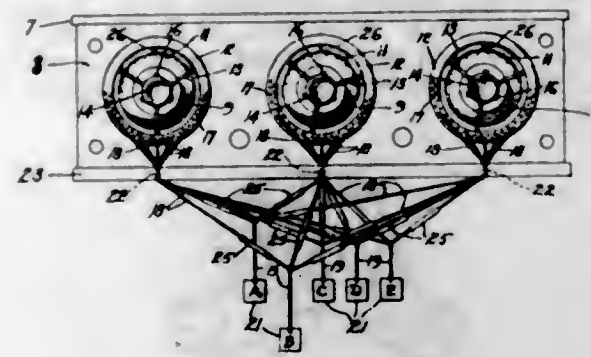
a luggage carrier including side walls, a bottom and a front wall, said front wall being recessed, a door for closing said recess, said luggage carrier being hingedly secured for movement in a vertical plane, and telescopically receiving said trunk when arranged in closed position, said luggage carrier being disposed in a horizontal position when open, and a cover for said trunk and capable of retaining said luggage carrier in its folded position.

17,530. WAVE SIGNALING SYSTEM. LOUIS ALAN HAZELTINE, Oakland, Calif., assignor to Hazeltine Corporation, a Corporation of Delaware. Filed Feb. 14, 1929. Serial No. 339,965. Original application filed Feb. 27, 1925, Serial No. 12,000, and in Canada May 4, 1925. Original No. 1,648,808, dated Nov. 8, 1927. Divided and application filed Jan. 4, 1927, Serial No. 158,839, Patent No. 1,650,353, dated Nov. 22, 1927. 14 Claims. (Cl. 179-171.)



6. In an amplifier, a vacuum tube having a grid, a plate, a filament and grid-plate capacity coupling through which a capacity current flows from plate to grid, and means for neutralizing said grid-plate capacity coupling, said means including a first coil connected in the plate-filament circuit of said amplifier, a tuning condenser, a second coil coupled to said first coil by means including said tuning condenser, and a neutralizing capacity coupling said grid with said second coil and thereby conducting said capacity current away from said grid.

17,531. METHOD AND MEANS FOR TUNING RADIO-RECEIVERS. WILFRID PAUL HEATH, Seattle, Wash., assignor to Zenith Radio Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 23, 1929. Serial No. 342,234. Original No. 1,038,734, dated Aug. 9, 1927. Serial No. 749,771, filed Nov. 13, 1924. 55 Claims. (Cl. 250-40.)



14. The combination, with an adjustable controlling element of a radio receiving system, of means acting upon operation to effect the movement of said element in a direction automatically determined by the position of said element directly to a predetermined position.

17,532. COMPOUND TOOL. CARL MARCH, Chicago, Ill. Filed Jan. 11, 1929. Serial No. 331,746. Original No. 1,664,783, dated Apr. 3, 1928. Serial No. 95,115, filed Mar. 16, 1926. 2 Claims. (Cl. 294-2.)



1. An implement for turning over fried cakes while being baked on a griddle, comprising an elongated solid rod, one end thereof being enlarged, the enlarged end of the rod being substantially triangular in cross section, one

flat face of the triangular portion adapted to rest on the griddle while the apex portion of the triangular portion engages the under side of the cake, the outer end of the triangular shaped enlarged portion being tapered to provide a point which tapered portion is circular in cross section, said pointed end facilitating the insertion of the implement beneath the cake and further facilitating the proper positioning of the triangular portion beneath the cakes to effect the turning of the same, the outer end of the rod being formed with a handle, the intermediate portion of the rod being provided with a series of air holes.

2. An implement for turning articles cooked in hot grease comprising a shank having a pointed extremity and an integral handle at the other extremity, said shank formed to retard the travel of heat and with graduations for measuring the depth of grease.

17,533. SOUND REPRODUCER. HANS SCHARF, Berlin, Germany, assignor, by mesne assignments, to Brandes Products Corporation, Newark, N. J., a Corporation of New Jersey. Filed July 6, 1926. Serial No. 120,840. Original No. 1,540,229, dated June 2, 1925. Serial No. 671,148, filed Oct. 27, 1923. 9 Claims. (Cl. 181-31.)



1. A sound reproducer comprising a vibratory diaphragm, a sheet of resilient material engaging and extending over one face of the diaphragm and beyond the periphery thereof, and a support encircling the diaphragm and of greater size than the diaphragm, said sheet adjacent its periphery being secured to said support.

DESIGNS

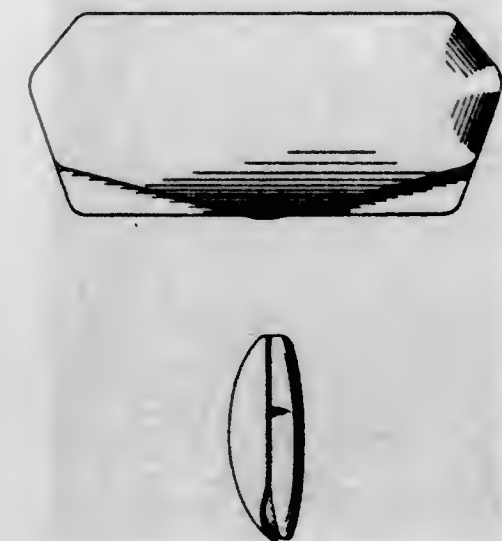
DECEMBER 17, 1929

50,103. ROCKER. EDELL T. BLECKER, Pueblo, Colo. Filed Nov. 4, 1929. Serial No. 33,301. Term of patent 14 years.



The ornamental design for a rocker as shown.
389 O. G.—38

50,104. EYEGLASS AND SPECTACLE CASE. SAMUEL E. BOUCHARD, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 19, 1929. Serial No. 32,444. Term of patent 7 years.



The ornamental design for an eyeglass and spectacle case substantially as shown.

80,105. STORE FRONT OR THE LIKE. CHARLES BRANDMAN, Boston, Mass., assignor to Emerson Shoe Manufacturing Company, Rockland, Mass., a Corporation of Massachusetts. Filed May 21, 1929. Serial No. 31,324. Term of patent 7 years.



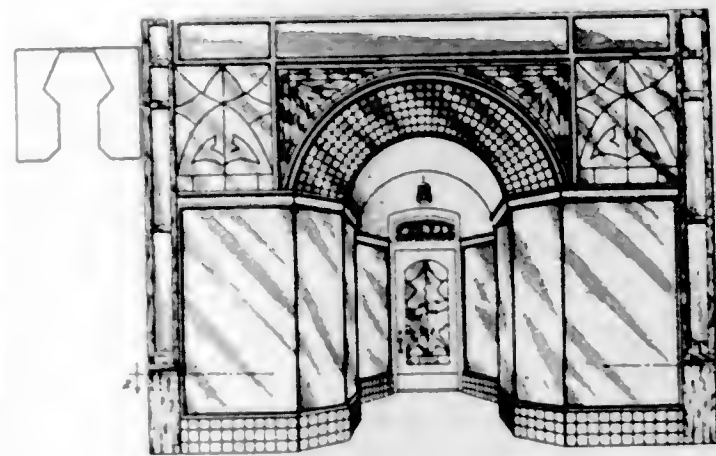
The ornamental design for a store front or the like, substantially as shown.

80,106. TEXTILE FABRIC. WARREN BREWER, New York, N. Y., assignor to Thorndike Company, West Warren, Mass., a Corporation of Massachusetts. Filed Oct. 3, 1929. Serial No. 32,925. Term of patent 3½ years.



The ornamental design for a textile fabric substantially as shown and described.

80,107. STORE FRONT. SAMUEL B. CASSIDY, New York, N. Y. Filed Aug. 8, 1929. Serial No. 32,326. Term of patent 14 years.



The ornamental design for a store front substantially as shown.

80,108. COMBINED ASH RECEIVER AND CIGARETTE AND MATCH HOLDER. MORRIS COHEN, Brooklyn, N. Y., assignor to The Gift House, Inc., New York, N. Y., a Corporation of New York. Filed July 17, 1929. Serial No. 32,001. Term of patent 3¼ years.



The ornamental design for a combined ash receiver and cigarette and match holder, as shown.

80,109. AUTOMOBILE RADIATOR SHELL. JOSEPH C. COULOMBE, Kokomo, Ind. Filed Oct. 18, 1928. Serial No. 28,538. Term of patent 7 years.



The ornamental design for an automobile radiator shell as shown and described.

80,110. AUTOMOBILE RADIATOR SHELL. JOSEPH C. COULOMBE, Kokomo, Ind. Filed Oct. 18, 1928. Serial No. 28,542. Term of patent 7 years.



The ornamental design for an automobile radiator shell as shown and described.

80,111. AUTOMOBILE RADIATOR SHELL. JOSEPH C. COULOMBE, Kokomo, Ind. Filed Oct. 18, 1928. Serial No. 28,543. Term of patent 7 years.



The ornamental design for an automobile radiator shell as shown and described.

80,112. AUTOMOBILE RADIATOR SHELL. JOSEPH C. COULOMBE, Kokomo, Ind. Filed Oct. 18, 1928. Serial No. 28,549. Term of patent 7 years.



The ornamental design for an automobile radiator shell as shown and described.

80,113. AUTOMOBILE RADIATOR SHELL. JOSEPH C. COULOMBE, Kokomo, Ind. Filed Oct. 18, 1928. Serial No. 28,551. Term of patent 7 years.



The ornamental design for an automobile radiator shell as shown and described.

80,114. AUTOMOBILE RADIATOR SHELL. JOSEPH C. COULOMBE, Kokomo, Ind. Filed Oct. 18, 1928. Serial No. 28,554. Term of patent 7 years.



The ornamental design for an automobile radiator shell as shown and described.

80,115. AUTOMOBILE RADIATOR SHELL. JOSEPH C. COULOMBE, Kokomo, Ind. Filed Oct. 18, 1928. Serial No. 28,558. Term of patent 7 years.



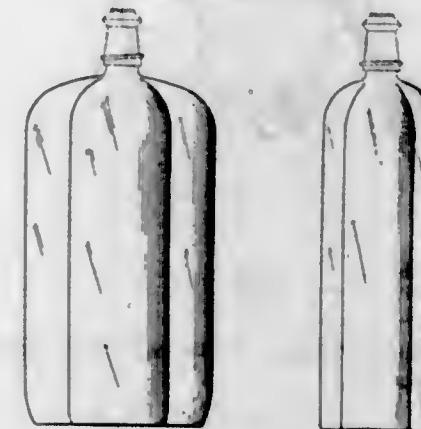
The ornamental design for an automobile radiator shell as shown and described.

80,116. WATCHCASE. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Dec. 5, 1927. Serial No. 24,390. Term of patent 14 years.



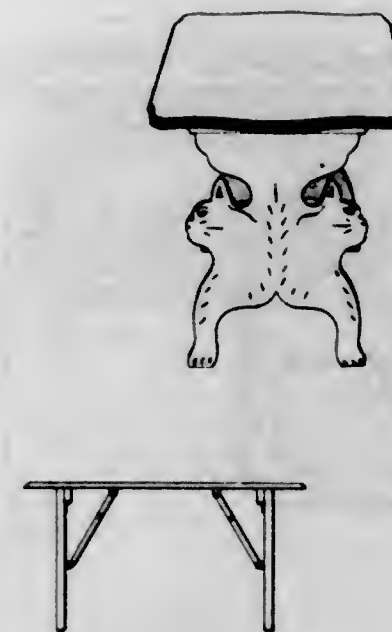
The ornamental design for a watch case, substantially as shown and described.

80,117. BOTTLE FOR PERFUME OR THE LIKE. SIMON DE VAULCHIER, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 25, 1929. Serial No. 29,775. Term of patent 7 years.



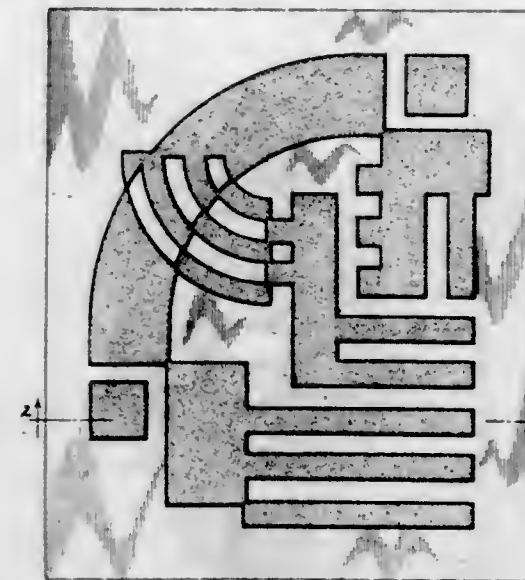
The ornamental design for a bottle for perfume or the like, as shown.

80,118. TABLE. HENRY O. GIRARD, Nashua, N. H. Filed Mar. 9, 1929. Serial No. 30,417. Term of patent 7 years.



The ornamental design for a table, as shown and described.

80,119. APPLIQUE TEXTILE FABRIC OR SIMILAR ARTICLE. MAX GOLDBERG, New York, N. Y. Filed May 23, 1929. Serial No. 31,342. Term of patent 3 1/2 years.



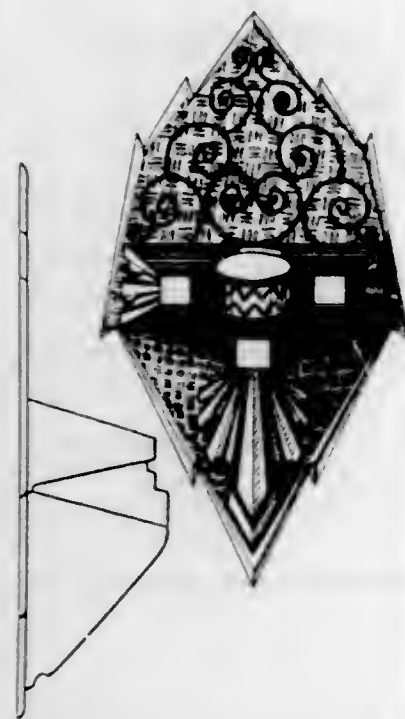
The ornamental design for applique textile fabric, or similar article as shown.

80,120. TROUSERS. JACOB HERSHER, Brooklyn, N. Y., assignor of one-half to Solomon Tauber, New York, N. Y. Filed Sept. 11, 1929. Serial No. 32,725. Term of patent 7 years.



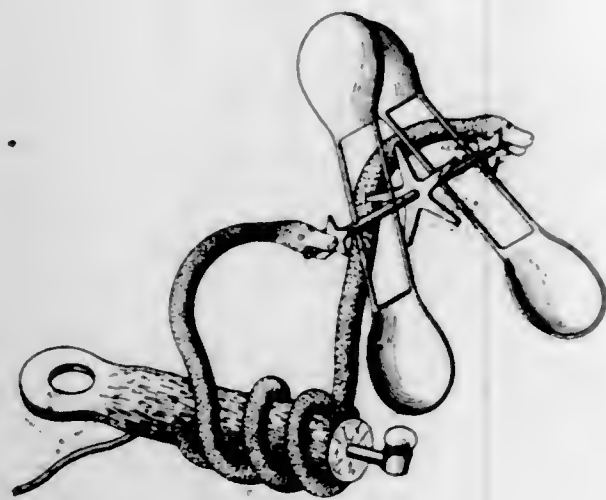
The ornamental design for trousers, as shown and described.

80,121. WALL PLATE FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. HARRY R. HOLDEMAN, Los Angeles, Calif., assignor to J. M. Feldman Co. Inc., Los Angeles, Calif. Filed Mar. 11, 1929. Serial No. 30,420. Term of patent 7 years.



The ornamental design for a wall plate for lighting fixtures or similar articles, as shown.

80,122. RADIATOR ORNAMENT. BIAGIO INTINGARO, New Rochelle, N. Y. Filed Oct. 3, 1929. Serial No. 32,922. Term of patent 14 years.



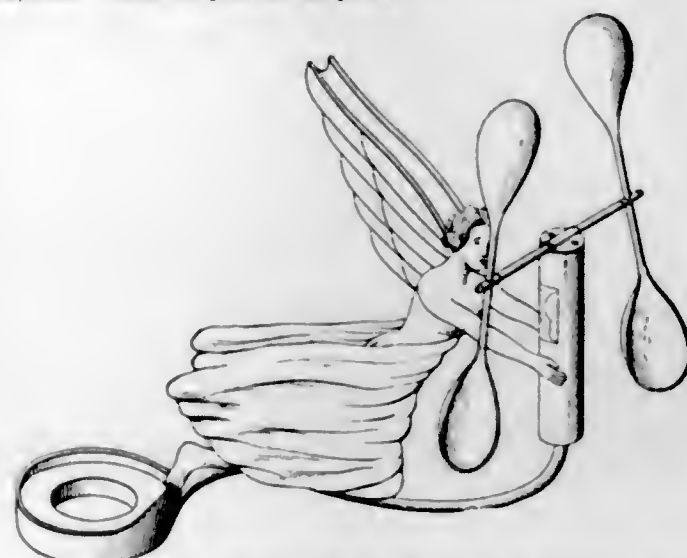
The ornamental design for a radiator ornament, substantially as shown.

80,123. RADIATOR ORNAMENT. BIAGIO INTINGARO, New Rochelle, N. Y. Filed Oct. 3, 1929. Serial No. 32,923. Term of patent 14 years.



The ornamental design for a radiator ornament, substantially as shown.

80,124. RADIATOR ORNAMENT. BIAGIO INTINGARO, New Rochelle, N. Y. Filed Oct. 3, 1929. Serial No. 32,924. Term of patent 14 years.



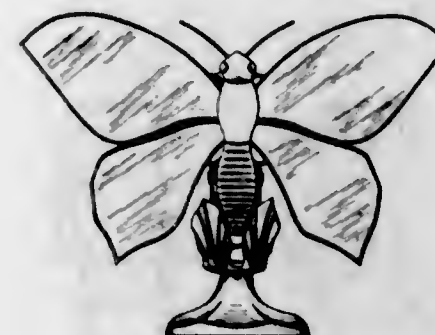
The ornamental design for a radiator ornament, substantially as shown.

80,125. DRINKING FLASK. BENNO Y. JACOBSON, New York, N. Y. Filed Oct. 10, 1929. Serial No. 32,999. Term of patent 3 1/4 years.



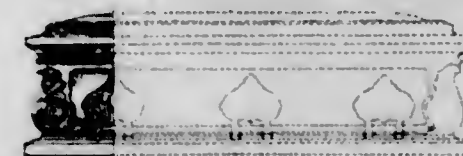
The ornamental design for a drinking flask, as shown.

80,126. LAMP. MORRIS KORNBLUM, Brooklyn, N. Y., assignor to Metal Lamp Corporation, a Corporation of New York. Filed June 24, 1929. Serial No. 31,805. Term of patent 3 1/4 years.



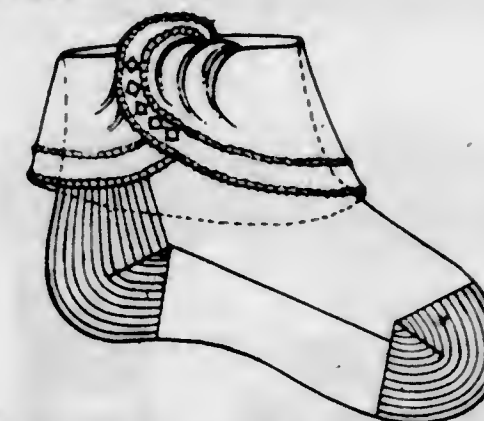
The ornamental design for a lamp, as shown.

80,127. CASKET. TULLY LA TESSA, Chicago, Ill., assignor to The Merit Company, Chicago, Ill., a Corporation of Illinois. Filed May 4, 1929. Serial No. 31,102. Term of patent 14 years.



The ornamental design for a casket as shown and described.

80,128. WOMAN'S SOCK. FLORENCE L. LE VEQUE, Los Angeles, Calif. Filed Aug. 4, 1928. Serial No. 27,700. Term of patent 7 years.



The ornamental design for woman's sock, substantially as shown and described.

80,129. WOMAN'S SOCK. FLORENCE L. LE VEQUE, Los Angeles, Calif. Filed Aug. 4, 1928. Serial No. 27,701. Term of patent 7 years.



The ornamental design for woman's sock, substantially as shown.

80,130. WOMAN'S SOCK. FLORENCE L. LE VEQUE, Los Angeles, Calif. Filed Aug. 4, 1928. Serial No. 27,702. Term of patent 7 years.



The ornamental design for woman's sock, substantially as shown.

80,131. DRESS. DOROTHY LONG, New York, N. Y., assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York. Filed Aug. 21, 1929. Serial No. 32,474. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a dress substantially as shown and described.

80,132. COAT. DOROTHY LONG, New York, N. Y., assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York. Filed Aug. 21, 1929. Serial No. 32,475. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a coat substantially as shown and described.

80,133. DRESS. DOROTHY LONG, New York, N. Y., assignor to Franklin Simon & Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 20, 1929. Serial No. 32,816. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a dress substantially as shown and described.

80,134. DRESS. DOROTHY LONG, New York, N. Y., assignor to Franklin Simon & Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 20, 1929. Serial No. 32,818. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a dress substantially as shown and described.

80,135. CASING FOR AN AIR PURIFIER. ANTONIO LONGORIA, Lakewood, Ohio. Filed Jan. 26, 1929. Serial No. 29,790. Term of patent 7 years.



The ornamental design for a casing of an air purifier, as shown.

80,136. RESTAURANT. ROBERT W. MCCREADY, Ingersoll, Ontario, Canada. Filed June 29, 1929. Serial No. 31,875 and in Canada Mar. 27, 1929. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a restaurant, as shown.

80,137. BROOCH OR SIMILAR ARTICLE. BERNAT MECHLOVITS, New York, N. Y. Filed Oct. 2, 1929. Serial No. 32,912. Term of patent $3\frac{1}{2}$ years.



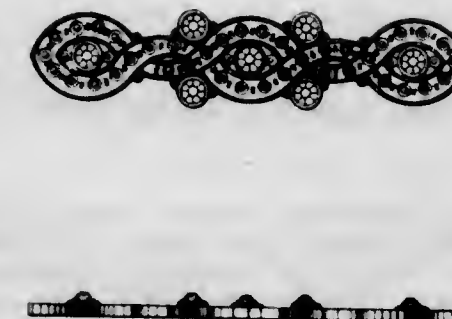
The ornamental design for a brooch or similar article, as shown.

80,138. BROOCH OR SIMILAR ARTICLE. BERNAT MECHLOVITS, New York, N. Y. Filed Oct. 3, 1929. Serial No. 32,930. Term of patent $3\frac{1}{2}$ years.



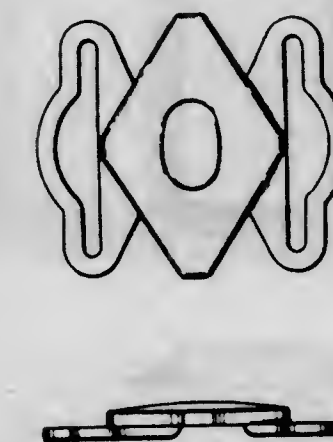
The ornamental design for a brooch or similar article, as shown.

80,139. BROOCH OR SIMILAR ARTICLE. BERNAT MECHLOVITS, New York, N. Y. Filed Oct. 10, 1929. Serial No. 33,000. Term of patent $3\frac{1}{2}$ years.



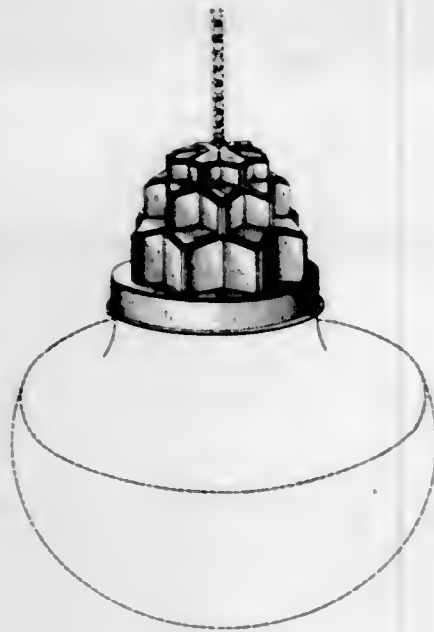
The ornamental design for a brooch or similar article, as shown.

80,140. BELT BUCKLE. EDWIN S. MIX, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Sept. 12, 1928. Serial No. 28,123. Term of patent $3\frac{1}{2}$ years.



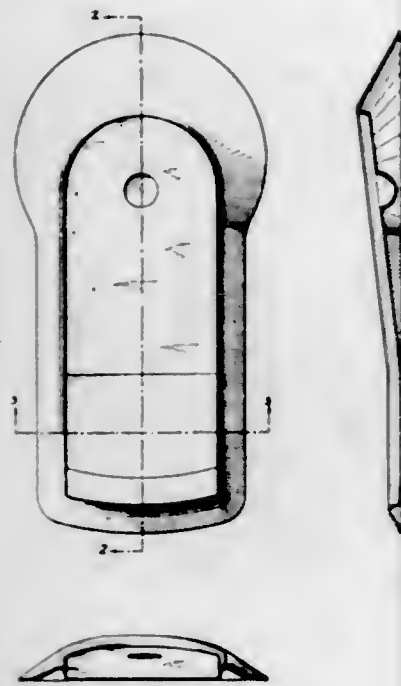
The ornamental design for a belt buckle, as shown.

50,141. LIGHTING FIXTURE. CHARLES RICHTER, New York, N. Y., assignor to Chattam Metal Spinning and Stamping Corporation, New York, N. Y. Filed Aug. 31, 1929. Serial No. 32,638. Term of patent $3\frac{1}{2}$ years.



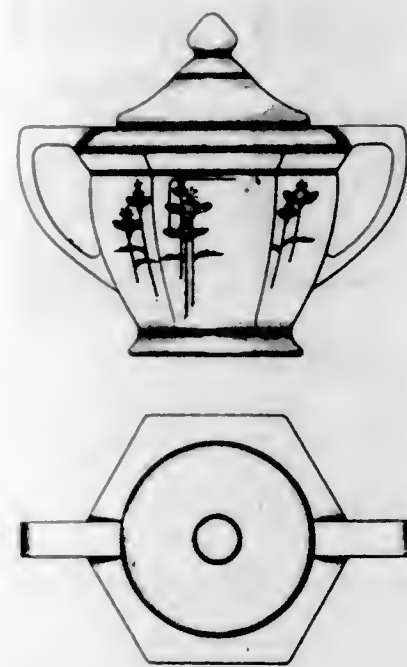
The ornamental design for a lighting fixture, as shown.

50,142. GOLF PUTTING GREEN. FRED A. SCHMITZ, Canton, Ohio, assignor of forty-nine two-hundredths to Clarence W. Austin and forty-nine two-hundredths to William Isler, Canton, Ohio. Filed Sept. 16, 1929. Serial No. 32,775. Term of patent 7 years.



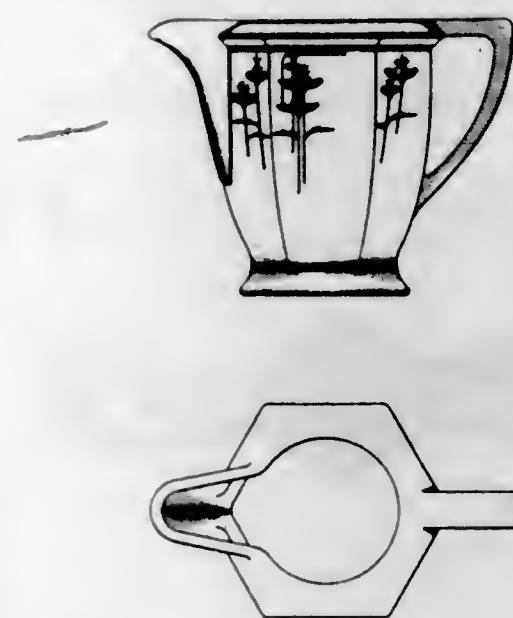
The ornamental design for a golf putting green, substantially as shown.

50,143. SUGAR BOWL. HOWARD H. SCHOTT, Rochester, N. Y., assignor to Robeson Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Oct. 3, 1929. Serial No. 32,933. Term of patent 7 years.



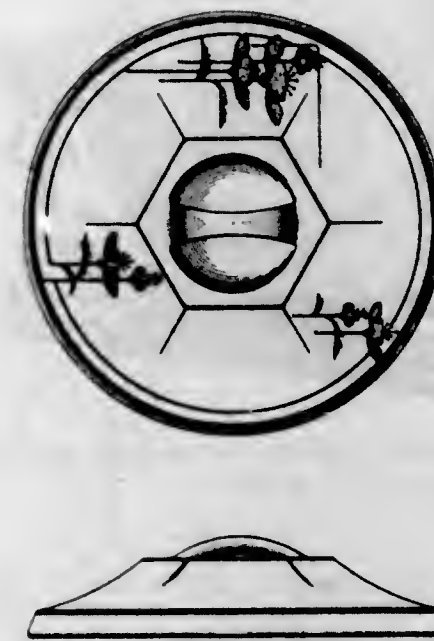
The ornamental design for a sugar bowl, as shown.

50,144. CREAM PITCHER. HOWARD H. SCHOTT, Rochester, N. Y., assignor to Robeson Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Oct. 3, 1929. Serial No. 32,934. Term of patent 7 years.



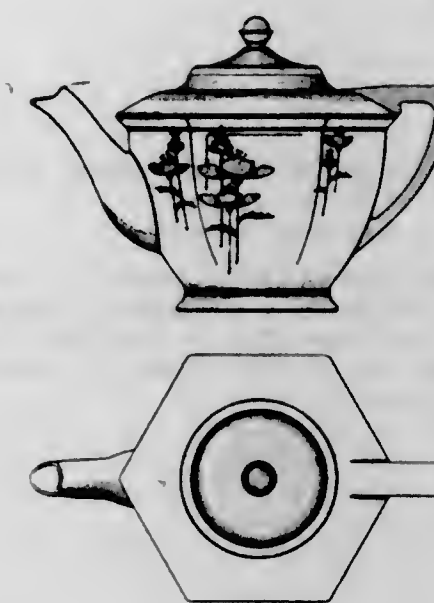
The ornamental design for a cream pitcher, as shown.

50,145. CASSEROLE COVER. HOWARD H. SCHOTT, Rochester, N. Y., assignor to Robeson Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Oct. 3, 1929. Serial No. 32,935. Term of patent 7 years.



The ornamental design for a casserole cover, as shown.

50,146. TEAPOT. HOWARD H. SCHOTT, Rochester, N. Y., assignor to Robeson Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Oct. 3, 1929. Serial No. 32,936. Term of patent 7 years.



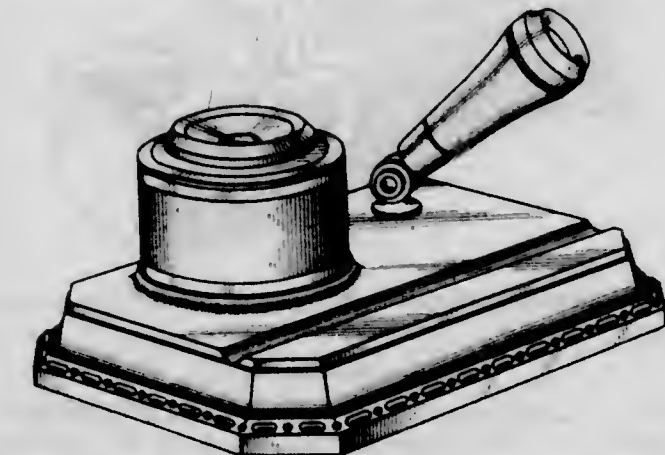
The ornamental design for a tea pot, as shown.

50,147. COFFE PERCOLATOR. HOWARD H. SCHOTT, Rochester, N. Y., assignor to Robeson Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Oct. 3, 1929. Serial No. 32,937. Term of patent 7 years.



The ornamental design for a coffee percolator, as shown.

50,148. COMBINATION DESK STAND AND PEN-HOLDER. GUSTAV J. SENGBUSCH, Milwaukee, Wis. Filed Oct. 22, 1929. Serial No. 33,137. Term of patent 14 years.



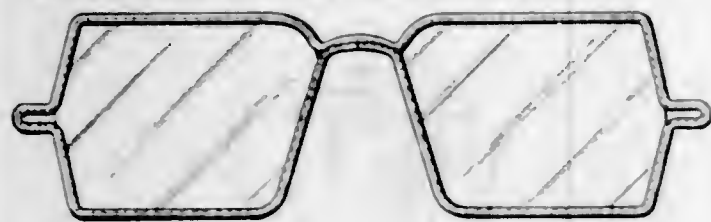
The ornamental design for a combination desk stand and penholder as shown.

50,149. BRACELET. ALBERT E. R. SPEIDEL, Edgewood, R. I., assignor to Spidel Bros., Providence, R. I., a Firm composed of Albert E. R. Spidel and Edwin F. M. Spidel. Filed May 17, 1929. Serial No. 31,273. Term of patent $3\frac{1}{2}$ years.



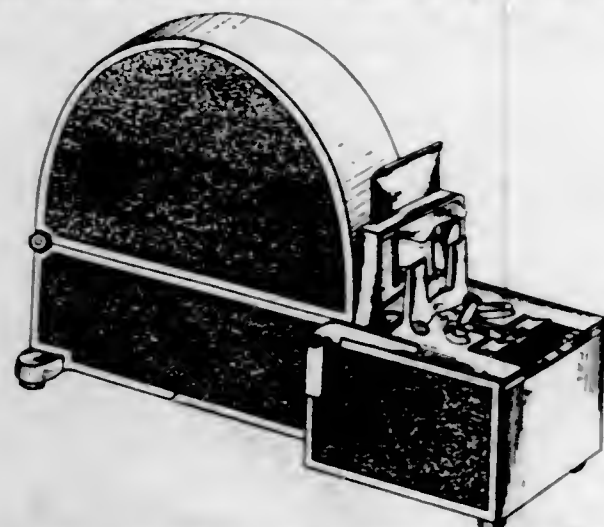
The ornamental design for a bracelet, substantially as shown.

80,150. SPECTACLE FRAME FOR EYEGLASSES. FRANK SPILL, East Rutherford, N. J., assignor to The Spill Manufacturing Co., Inc., East Rutherford, N. J., a Corporation of New Jersey. Filed Jan. 21, 1928. Serial No. 24,973. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a spectacle frame for eyeglasses as shown.

80,151. CASING FOR A TAPE SEALING MACHINE. WILLIAM A. UTTZ, Sr., Cleveland, Ohio. Filed July 12, 1929. Serial No. 32,013. Term of patent 14 years.



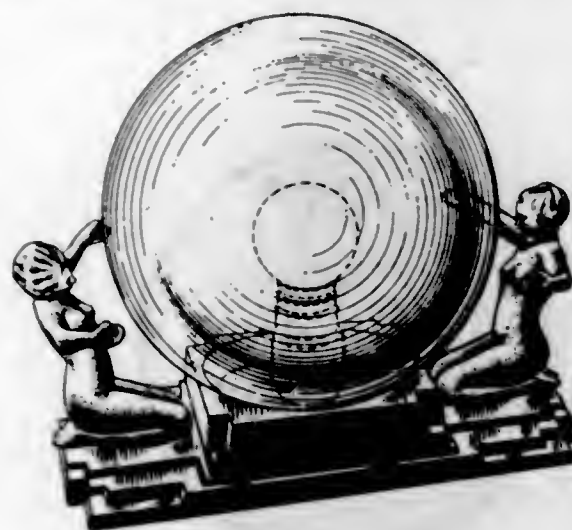
The ornamental design for a casing for a tape sealing machine as shown.

80,152. ELECTRIC LAMP OR SIMILAR ARTICLE. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 20, 1929. Serial No. 32,458. Term of patent $3\frac{1}{2}$ years.



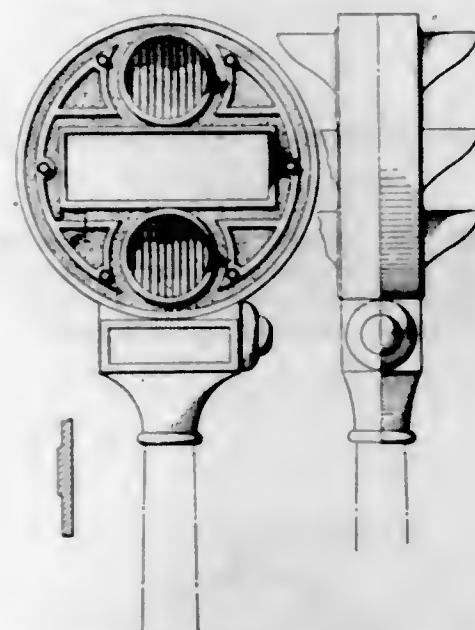
The ornamental design for an electric lamp or similar article substantially as shown.

80,153. ELECTRIC LAMP OR SIMILAR ARTICLE. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 20, 1929. Serial No. 32,460. Term of patent 7 years.



The ornamental design for an electric lamp or similar article substantially as shown.

80,154. TRAFFIC SIGNAL. EATHELBERT W. WEATHERS, San Diego, Calif. Filed Oct. 5, 1929. Serial No. 32,960. Term of patent 7 years.



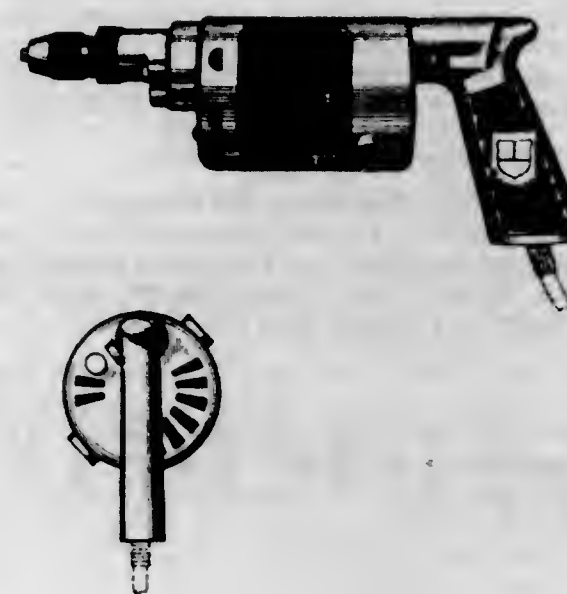
The ornamental design for traffic signal substantially as shown.

80,155. BUCKLE OR SIMILAR ARTICLE. THOMAS H. WIGHTMAN, Providence, R. I., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 22, 1929. Serial No. 32,505. Term of patent $3\frac{1}{2}$ years.



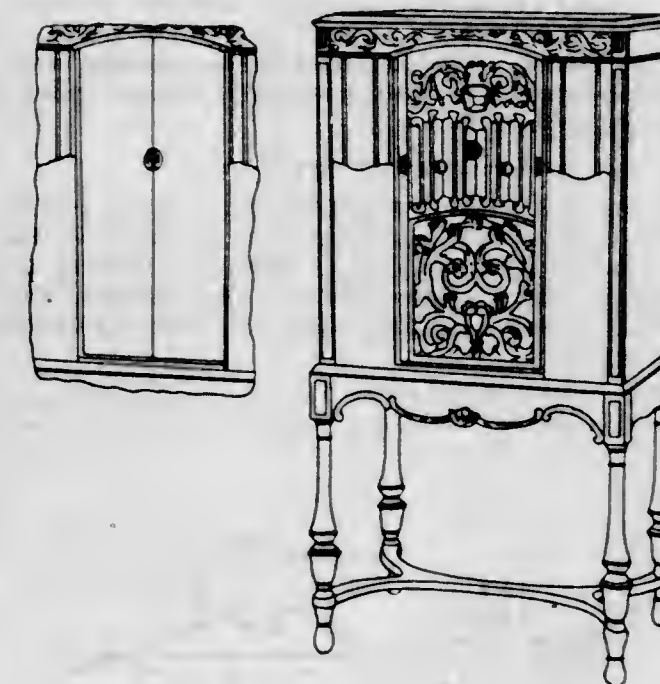
The ornamental design for a buckle or similar article, substantially as shown.

80,156. ELECTRIC DRILL. GEORGE R. WILCOX, Greenfield, Mass., assignor to Goodell-Pratt Company, Greenfield, Mass., a Corporation of Massachusetts. Filed Aug. 6, 1929. Serial No. 32,311. Term of patent 14 years.



The ornamental design for an electric drill as shown.

80,157. RADIOCABINET OR SIMILAR ARTICLE. EVERETT WORTHINGTON, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 24, 1929. Serial No. 33,154. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a radio cabinet or similar article as shown.

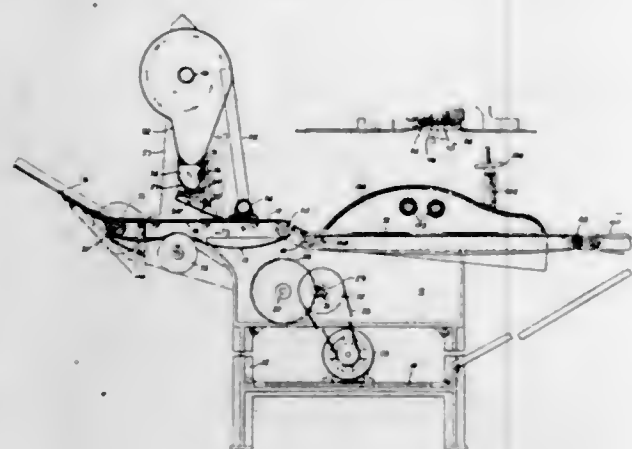
PATENTS

GRANTED DECEMBER 17, 1929

1,739,491. NEW PROCESS FOR UTILIZING STEM FIBERS. CARLOS ERNESTO BAUER, Buenos Aires, Argentina. Filed Dec. 9, 1927. Serial No. 238,846. 5 Claims. (Cl. 92-10.)

1. The process of disintegrating fibrous material which comprises treating it with a strongly alkaline solution containing cholesterol.

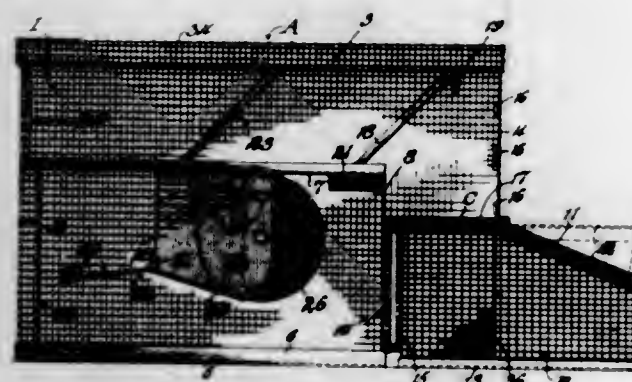
1,739,492. MACHINE FOR PRODUCING RAISED PRINTING. RICHARD F. BERNDT and JOHN J. HALLORAN, San Francisco, Calif., assignors to Automatic Printing Devices Co., San Francisco, Calif., a Corporation of California. Filed Jan. 8, 1925. Serial No. 1,190. 18 Claims. (Cl. 91-59.)



3. In a machine of the character described, a conveyor for a sheet, a receiver for powder arranged above the conveyor, means for automatically controlling the discharge of powder from the receiver and means for uniformly distributing the discharge powder as it falls upon the sheet.

16. In a process of producing raised printing, the steps of applying fusible powder to a freshly inked sheet, rolling the powder into the sheet over an area substantially greater than the area of the inked surfaces, and removing excess powder from the sheet.

1,739,493. TRAP. JAMES O. BEWAN, Miami, Fla. Filed June 7, 1928. Serial No. 283,576. 4 Claims. (Cl. 43-71.)

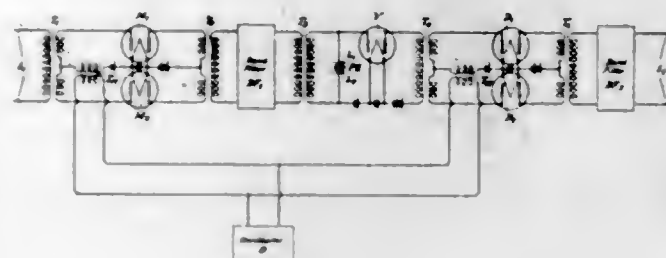


1. In a trap for rodents; a cage-like body member having an intermediate horizontal platform and an entrance opening at the front end above said platform; trapping

592

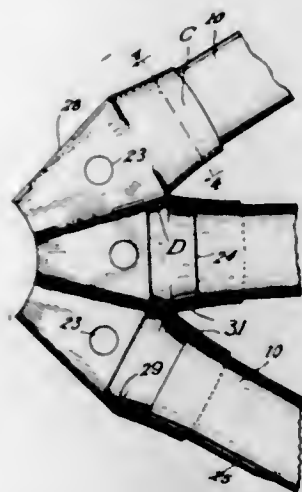
means located in the platform to precipitate the rodents below the same; transparent panels arranged between the platform and the top of the body member, the front panel being swingable upwardly to permit the rodent to advance to the trapping means; and a cage-like rodent-removing member adapted to be placed beneath the entrance opening and having slidable doors to receive a rodent either from the entrance or from the front end of the body member.

1,739,494. PIEZO-ELECTRIC INTERFERENCE ELIMINATOR. HERMAN A. AFFEL, Ridgewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 17, 1926. Serial No. 123,165. 11 Claims. (Cl. 178-44.)



1. The method of suppressing an alternating current wave of definite frequency by means of a piezo-electric device of substantially different frequency, which consists in heating the alternating current wave of definite frequency with another wave so as to produce a third wave having a frequency characteristic of the piezo-electric device, whereupon the piezo-electric device becomes absorbent to said third wave.

1,739,495. METAL-WHEEL MANUFACTURE. ERNEST H. ARNOLD, Cleveland, Ohio. Filed June 22, 1925. Serial No. 38,714. Renewed May 9, 1929. 15 Claims. (Cl. 29-174.)



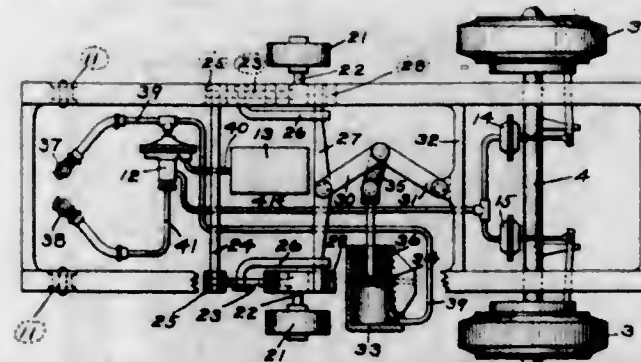
1. A metal vehicle wheel comprising, tubular spokes having expanded inner ends, an axle-receiving member having spaced flange and annular disk, and elongated junction members, each having a seamless tubular portion oval in cross-section tapering outwardly to receive said expanded spoke end therein and a hollow wedge-shaped portion rectangular in cross-section and tapering inwardly in the plane of the wheel, the said wedge-shaped portions being bolted in adjacent relation between and to the flange and disk.

DECEMBER 17, 1929

U. S. PATENT OFFICE

593

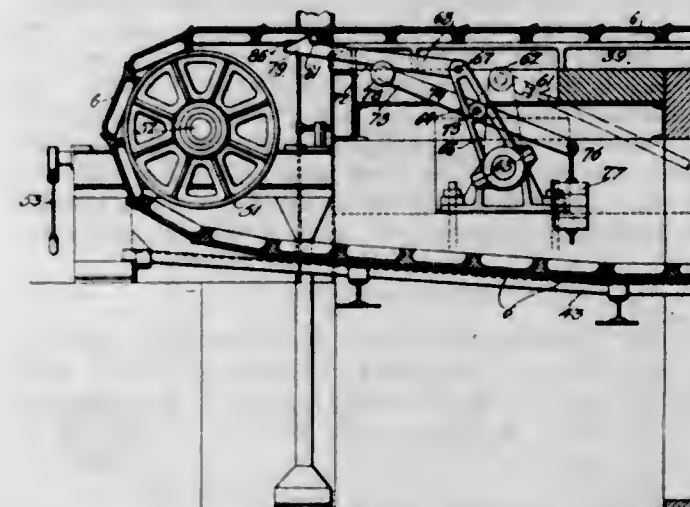
1,739,496. AUTOMOTIVE BRAKE. JOHN R. BARTHOLOMEW, Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1925. Serial No. 65,804. 5 Claims. (Cl. 280-331.)



2. The combination with a trailer vehicle having an auxiliary supporting mechanism for supporting one end of the vehicle, of a fluid pressure brake system carried by said vehicle, and means operated by variations in fluid pressure in said brake system for controlling the operation of said supporting mechanism.

5. The combination with a trailer vehicle having an auxiliary supporting mechanism for supporting one end of the vehicle, of a fluid pressure brake system carried by said vehicle, and means operated while the brakes are applied for shifting said supporting mechanism to its supporting position.

1,739,497. CONVEYER FOR HIGH-TEMPERATURE FURNACES. GEORGE F. BEACH, Philadelphia, Pa., assignor to F. J. Ryan and Company, Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 12, 1926. Serial No. 94,251. 15 Claims. (Cl. 198-203.)



1. A continuous conveyor belt having a plurality of spaced ribs extending from the surface thereof, idler wheels positioned at the ends of said belt, a bodily movable plate so positioned at one end of said conveyor that it is projected by said ribs away from the surface of said conveyor, means tending to return said member to its original position, and operating means for said conveyor belt independent of said idler wheels.

2. Operating means comprising an operating arm, a hook pivotally mounted on said operating arm, and a floating lever pivotally mounted on said operating arm and adapted to engage said hook with a predetermined force.

1,739,498. STABILIZED VACUUM-TUBE LIGHTING SYSTEM. LEO L. BECK, Linden, N. J. Filed June 2, 1926. Serial No. 113,145. 3 Claims. (Cl. 176-124.)

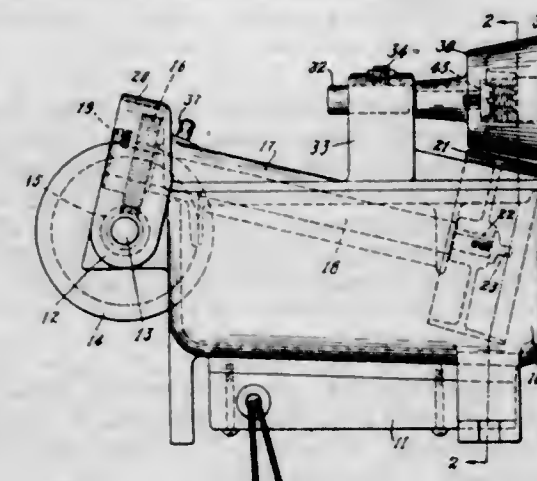
1. In combination, a source of electric current of predetermined potential, a high leak compensated transformer and a gaseous electric discharge device, the transformer being enclosed in an iron casing, the iron casing serving to pick up magnetic flux and transform such flux

into energy losses which losses are definite whereby the performance of the transformer is controlled and determined.



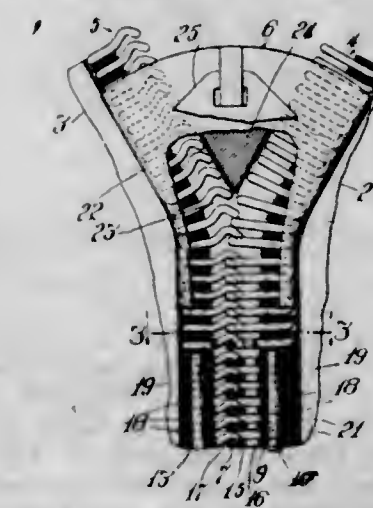
mined, said compensation being substantially equivalent to the loss of potential occasioned by the said energy losses.

1,739,499. COATING DEVICE. HARRY H. BECKWITH, Brookline, Mass. Filed Nov. 12, 1925. Serial No. 68,598. 7 Claims. (Cl. 91-51.)



1. A coating device comprising a container for liquid, a lid for said container, a liquid feeding wheel journaled in said lid, and means mounted on said container for driving said feeding wheel.

1,739,500. AUTOMATIC FASTENER. GEORGE W. BLAIR, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a Corporation of Indiana. Filed July 17, 1925. Serial No. 44,158. 6 Claims. (Cl. 24-205.)



1. In a fastener of the class described, the combination of two interlocking series of fastener elements each ele-

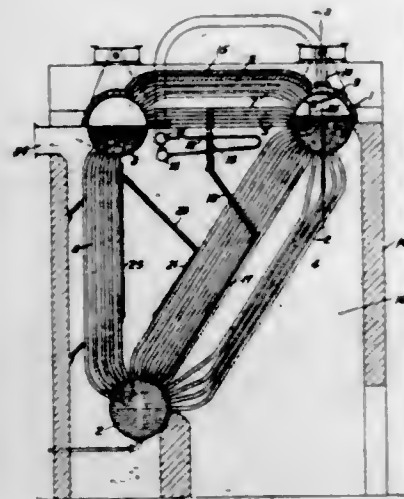
ment having a mounting loop at the side, stringers passing through the mounting loops of the fastener elements, and closed spacer loops on the stringers between the mounting loops of the adjoining elements.

1,739,501. PLANNER HEAD. FORREST E. CARBULLO and HOWARD W. HUNT, Cincinnati, Ohio, assignors to The G. A. Gray Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 9, 1925. Serial No. 61,552. 3 Claims. (Cl. 90—52.)



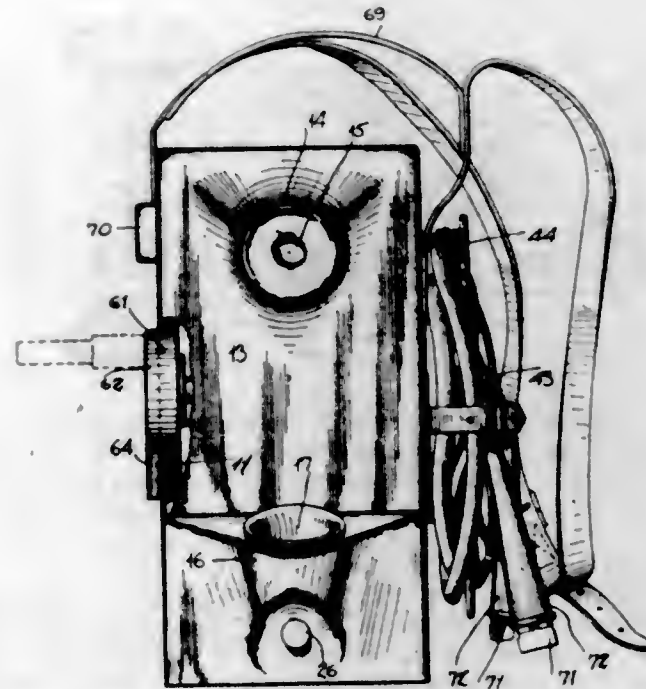
1. In combination with a machine tool, a slide, a tool box having a sector of teeth formed on the upper edge thereof, a pivot for the tool box fast in the slide and concentric with the said sector of teeth, a gear adapted to engage the said sector of teeth, a pinion adapted to rotate the said gear, a shaft slidably keyed within the bore of the said pinion and a handwheel fast to the said shaft.

1,739,502. STEAM BOILER. CARL T. CARLSON, Erie, Pa., assignor to Erie City Iron Works, Erie, Pa., a Corporation of Pennsylvania. Filed June 15, 1925. Serial No. 37,142. 1 Claim. (Cl. 122—302.)



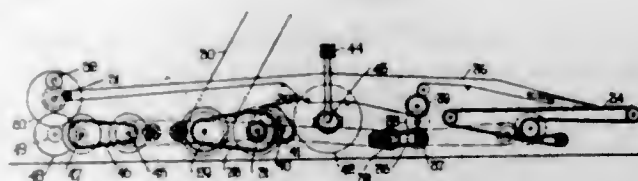
In a steam boiler, the combination of a front drum; a rear drum; an upper bank of steaming water tubes connecting said drums; a lower circulating system connecting said drums; a steam chamber in the upper part of the front drum; steam tubes leading from the rear drum to said steam chamber; and a drainage pipe leading from the steam chamber into said upper bank of tubes and discharging in a direction to be subjected to the ejector effect of the circulation.

1,739,503. PORTABLE TELEPHONE. ROBERT S. COOPER, Connellsville, Pa. Filed Mar. 29, 1927. Serial No. 179,279. 6 Claims. (Cl. 179—29.)



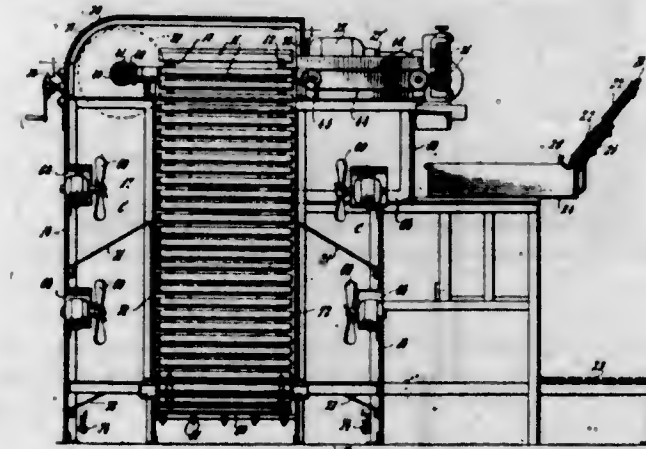
3. In a portable testing telephone, a hollow casing member formed integrally and consisting entirely of waterproof electric insulator material and having only one open side, two other sides and a top and bottom being adapted to combine with a closure member so as to exclude water and electric charges from passing through said open side, the side opposite to said open side having an ear piece and a mouth piece formed integrally therewith and communicating with the interior of the casing member, and a combined closure and handle which is substantially impermeable and formed of waterproof insulating material and provided with means to secure it to the said casing member in the position for closing said open side and in such position that said ear piece and mouth piece are sheltered from rain and other falling matter when the casing member is suspended from the handle while being carried by the handle.

1,739,504. BISCUIT-MAKING MACHINERY. EDWARD MILNER CROSLAND, Newton-Le-Willows, England. Filed Jan. 18, 1927. Serial No. 161,773, and in Great Britain Feb. 1, 1926. 3 Claims. (Cl. 107—7.)



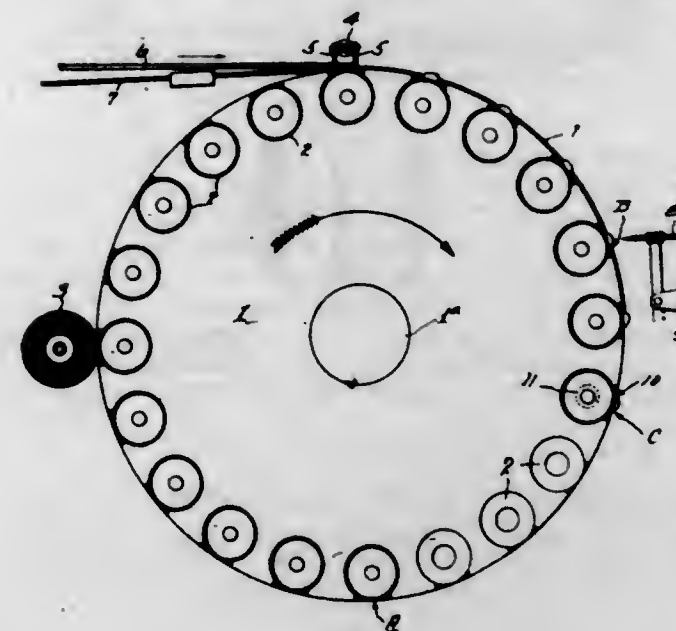
3. A biscuit making machine including in combination a constant speed main driving shaft, main variable speed transmission gearing driven from said main shaft, a first variable speed transmission gearing driven from said main gearing, dough delivery rolls operated by said first gearing, a second variable speed transmission gearing driven from said main gearing, dough cutting mechanism operated from said second gearing, a third variable speed transmission gearing driven from said main gearing, a cutting conveyor operated by said third gearing and adapted to move the dough from said rolls past said cutting mechanism, and a panning conveyor driven from said main gearing and adapted to receive the cut biscuit from said cutting conveyor.

1,739,505. DRIER FOR PHOTOGRAPHIC PRINTS. ARTHUR J. CUNNINGHAM, Utica, N. Y. Filed May 4, 1926. Serial No. 106,627. 8 Claims. (Cl. 34—11.)



1. In print drying apparatus, in combination, a drying chamber, means therein adapted to support a plurality of prints to be dried in spaced relation, and means for introducing prints into said chamber including a mechanically operated moisture removing and feeding device for the prints and an electrically operated device for positioning the fed-in prints on said supporting means.

1,739,506. PROCESS AND APPARATUS FOR FORMING CONNECTERS FOR DRY CELLS. CYRIL P. DEIBEL, Lakewood, Ohio, assignor to General Dry Batteries, Incorporated, Cleveland, Ohio, a Corporation of Ohio. Filed May 19, 1927. Serial No. 192,580. 18 Claims. (Cl. 113—59.)

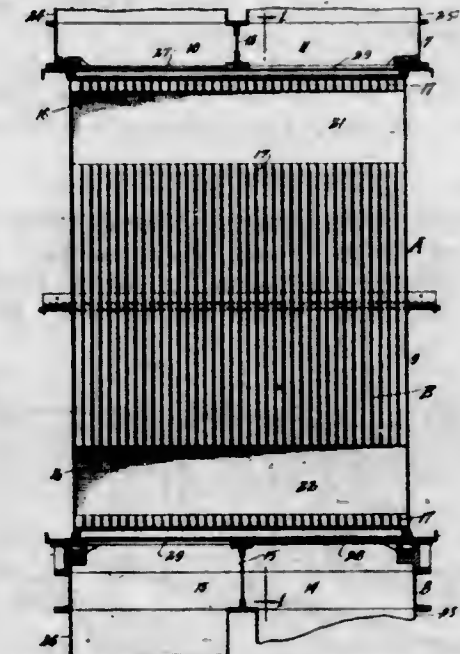


1. The process of forming connectors for dry cell cans which consists in attaching a single conductor to the side walls of a plurality of cans, severing the conductor between the points of connection with each can and bending up the free ends so obtained.

14. The process of forming connectors for dry cells and securing the same thereto which consists in attaching the corresponding electrodes of a plurality of dry cells to a single electrical conductor, severing the conductor between the points of connection with each cell and bending up the free ends so obtained so as to provide a connector for each cell.

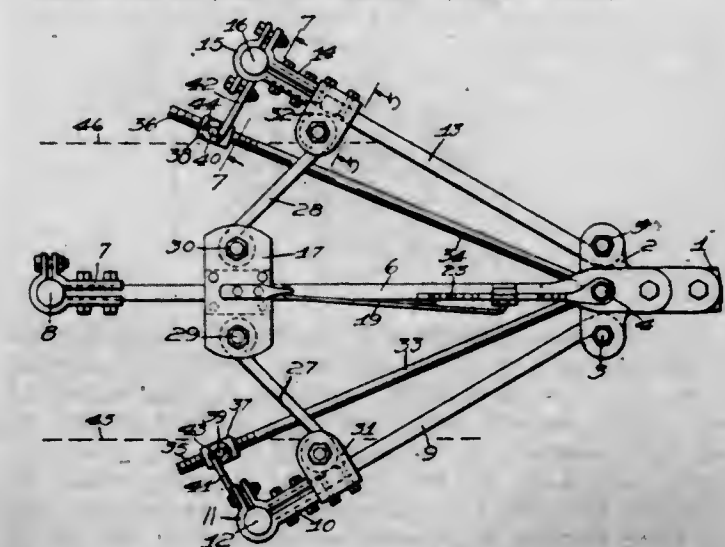
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1,739,507. AIR-PREHEATING DEVICE. OTTO DE LORENZI, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 9, 1925. Serial No. 74,426. 7 Claims. (Cl. 257—6.)



2. A waste gas air heater of the regenerative type including a casing having its lower and upper portions divided into two compartments, and having a plurality of regenerative elements within its main or intermediate portion; a conduit for introducing waste gases to one of the lower compartments and a conduit for leading off the waste gases from one of the upper compartments; a conduit for introducing air to the other upper compartment and a conduit for leading off the air from the other lower compartment, a movable element between the upper portion of the casing and the regenerative elements and a movable element between the lower portion of the casing and the regenerative elements, each of said movable elements including a member having two sets of spaced openings therein, one set of openings being staggered with respect to the other set of openings in the same element, and the openings in the upper element being staggered with respect to the openings in the lower element, one set of openings in each element communicating with a waste gas passage and the other set communicating with an air passage, said openings cooperating with the regenerative elements to divide the interior of the casing into alternate gas and air passages and when moved to transform the gas passages to air passages and vice versa.

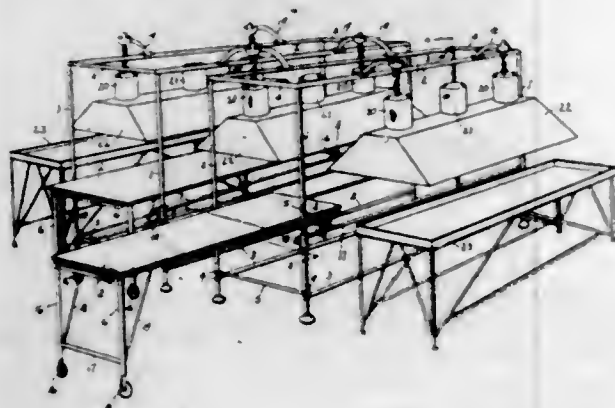
1,739,508. CULTIVATOR. ELBERT H. FINCHER and GEORGE W. FINCHER, Goza, Okla. Filed June 27, 1927. Serial No. 201,742. 5 Claims. (Cl. 97—172.)



1. A device of the type described comprising a main beam, an auxiliary beam pivotally secured at one end to

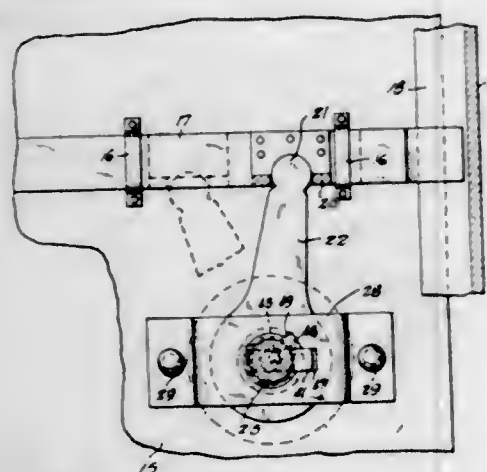
said main beam, a plow shank pivotally secured to the other end of said auxiliary beam, means for moving said auxiliary beam with respect to said main beam, an adjusting rod having one end pivotally secured to said main beam, and means for connecting the other end of said adjusting rod to said plow shank, whereby said plow shank may be rotated in one direction as said auxiliary beam is moved toward said main beam and for rotating said plow shank in the opposite direction when said auxiliary beam is moved away from said main beam.

1,739,509. LIGHT-TREATMENT APPARATUS. NORRIS E. GOODRICH, Battle Creek, Mich., assignor to Sanitarium & Hospital Equipment Co., Battle Creek, Mich. Filed Oct. 30, 1926. Serial No. 145,230. 11 Claims. (Cl. 174-177.)



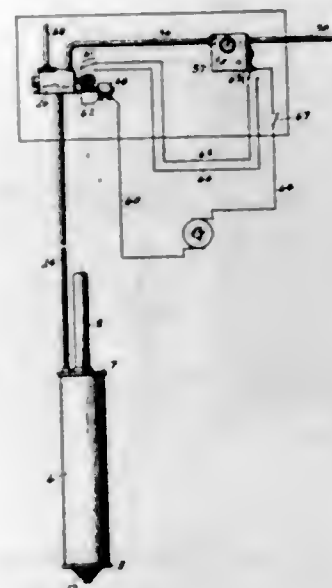
1. In a therapeutic apparatus of the class described the combination of a pair of open frames disposed side by side and in spaced relation, tables supported to telescope into said frames, additional tables disposed at the outer sides of the frames, laterally projecting lamp supporting brackets on said frames, lamps supported on said brackets between the frames and at the outer sides of the frames, and elongated downwardly opening reflectors for said lamps.

1,739,510. LOCKER-DOOR LOCK. FRANKLIN H. HART, New Haven, and WILLIAM A. CARMICHAEL, Hamden, Conn., assignors to C. Cowles & Company, New Haven, Conn., a Corporation of Connecticut. Filed July 12, 1927. Serial No. 205,107. 6 Claims. (Cl. 70-91.)



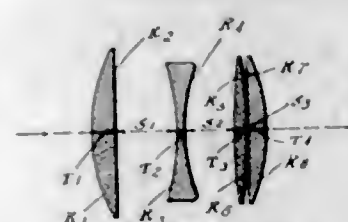
1. In a lock, a rotatable member adapted to pass through an opening in a door and having a non-circular portion to receive a latch operating member, a slidable locking bolt carried by said first member, a member carried by said first member for operating the bolt, key controlled means carried by the bolt operating member, means cooperating with the key controlled means to lock the bolt operating member in different positions when the key is withdrawn, and a knob carried by said first member for operating it.

1,739,511. APPARATUS FOR ELEVATING LIQUIDS. FRANK G. KRAMER, Upper Darby, Pa. Filed Dec. 22, 1927. Serial No. 241,775. 6 Claims. (Cl. 103-240.)



1. An apparatus for pumping liquids including a gravity filled pump chamber, a discharge pipe leading therefrom, means for measuring predetermined quantities of expansible fluid, and means electrically controlled through the measuring means for alternately delivering and exhausting said quantities of fluid to and from the chamber.

1,739,512. PHOTOGRAPHIC OBJECTIVE. HORACE WILLIAM LEE, Leicester, England, assignor to Kapella Limited, Leicester, England, a Corporation of England. Filed Jan. 29, 1925, Serial No. 5,474, and in Great Britain Feb. 6, 1924. 3 Claims. (Cl. 88-87.)



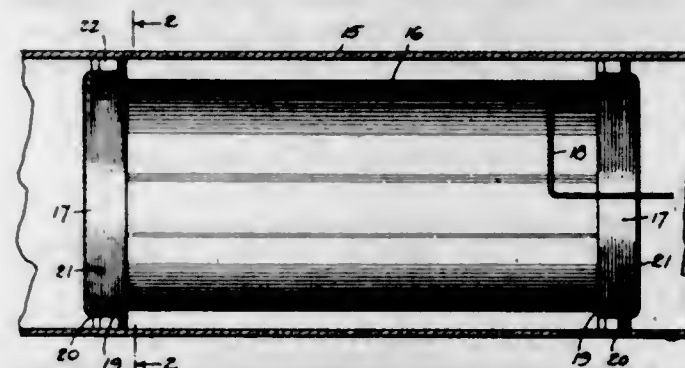
Radius	The thickness and separations	ηD	V	Number in Chance Brothers' Catalogue
$R_1 = 4756$	$T_1 = 0.6$	1.6084	56.1	5542
$R_2 = 6.582$	$S_1 = 15$			
$R_3 = 54701$	$T_2 = 0.12$	1.6467	53.7	5537
$R_4 = 4244$	$S_2 = 12$			
$R_5 = 166$	$T_3 = 0.5$	1.6084	56.1	5542
$R_6 = 166$	$S_3 = 0.01$			
$R_7 = 00$	$T_4 = .04$	1.6084	56.1	5542
$R_8 = 4770$				

1. A photographic objective consisting of a simple dispersive lens located approximately midway between two collective components, in which the back collective component consists of a simple plano-convex lens and a simple double convex lens just out of contact with each other, while the front collective component consists of a simple lens.

1,739,513. VACUUM TUBE. RALPH W. LOHMAN, Hollywood, Calif. Filed Sept. 4, 1926. Serial No. 133,674. 9 Claims. (Cl. 176-126.)

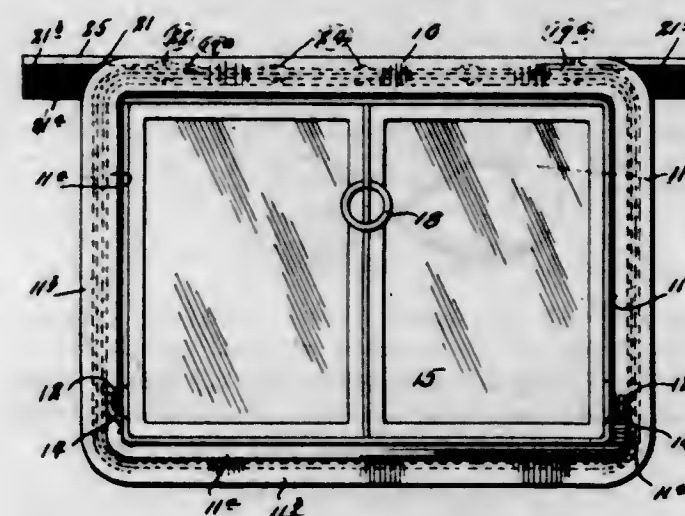
1. A method of preventing adsorption in a gaseous or electronically conducting vacuum tube containing an elec-

trode having an open end which consists in interposing between the electrode and tube an element of such dielec-



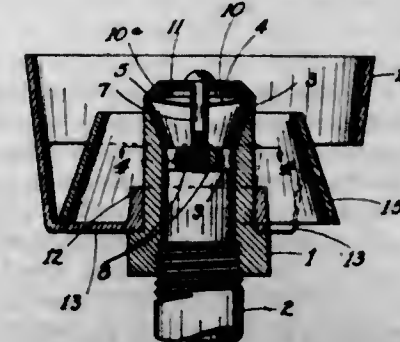
tric strength and permittivity as to lower the maximum potential gradient occurring between said electrode and the wall of the vacuum tube.

1,739,514. COMBINED WINDOW AND COAL HOPPER. FRANK MESKER, St. Louis, Mo., assignor to Mesker Brothers Iron Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 14, 1925. Serial No. 75,341. 6 Claims. (Cl. 193-34.)



1. A combined window and coal hopper comprising a window frame, a casing frame secured thereto, and a coal hopper pivotally mounted at one end to the sill portion of said casing frame and movable inwardly thereagainst into inoperative position so as not to obstruct said window frame opening said coal hopper being movable outwardly into a coal-receiving position, in which position it extends outwardly past said window frame and is arranged above the window sill to protect the latter against injury.

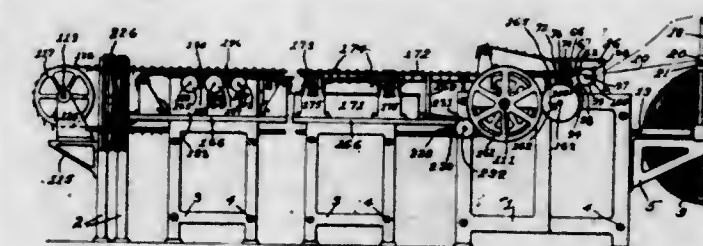
1,739,515. GAS BURNER. JOSEPH F. MUSTEE, Cleveland, Ohio, assignor of one-half to Joseph A. Mustee, Cleveland, Ohio. Filed Mar. 25, 1927. Serial No. 178,413. 7 Claims. (Cl. 158-116.)



1. A gas burner comprising a tubular member for feeding the gas, a disk having its extreme edge portion slitted

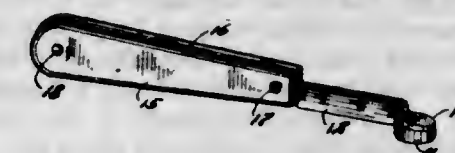
radially and seated across the extreme outlet end of said tubular member so as to provide a burner opening through the disk, and means engaging the top marginal portion of the disk for securing the same in fixed position and occupying spaced relation to the main body thereof, said disk and securing means being constructed and arranged to provide a chamber therebetween for receiving the gas through the slitted disk and deflecting the same outwardly to the outside.

1,739,516. MATCH-MAKING MACHINE. CONSTANTINE N. NEKLUTIN, St. Louis, Mo., assignor, by mesne assignments, to The Universal Match Corporation, a Corporation of Delaware. Filed Jan. 15, 1927. Serial No. 161,294. 40 Claims. (Cl. 144-51.)



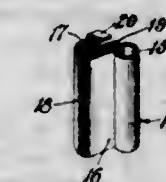
1. In a machine for making match-book leaves, the combination of means for advancing a strip of leaf stock continuously and incising the same while so advancing to form a series of successively advancing adjoining match-book leaves, each of which embodies a plurality of adjoining individual match splints united at one end; a pair of rolls adapted to separate the free ends of adjoining splints; and another pair of rolls interposed between said first-mentioned means and said splint-separating rolls and adapted positively to transfer the leaves from the said incising means to the said separating rolls without interrupting the continuous advance of the said leaves.

1,739,517. VEGETABLE PEELER. CHARLES E. A. O'LOUGHLIN, St. Paul, Minn. Filed Feb. 17, 1927. Serial No. 168,954. 7 Claims. (Cl. 146-204.)



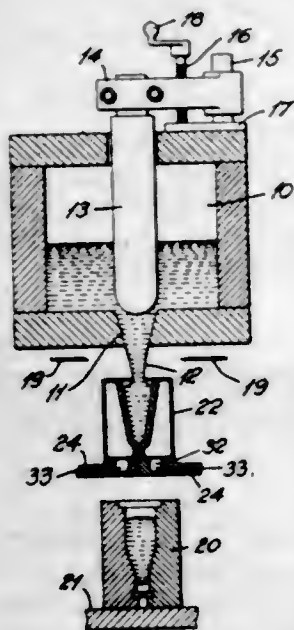
1. A peeling device comprising an implement having a handle, a peeling blade extending longitudinally from the handle and having at its outer end a substantially cylindrical eye-cutting and coring edged portion, said cylindrical portion having its axis extending parallel to the flat side of said blade and perpendicular to the longitudinal axis of said handle and blade.

1,739,518. AUTOMOBILE AWNING BRACKET. JOSEPH L. PEEBLES, Okmulgee, Okla., assignor of one-half to Walter Welmer, Okmulgee, Okla. Filed Aug. 3, 1926. Serial No. 126,845. 1 Claim. (Cl. 156-15.)



An awning bracket adapted to be mounted on an automobile door, said bracket comprising a U-shaped sheet metal clip having a cushion lining adapted to engage the side edge flanges adjacent to the top of the door; an integral tubular socket on the outside leg of the clip adapted to receive the vertical arm of an awning frame; and an integral lug on one leg of the clip at the top edge thereof and bent laterally across the clip to engage the flange at the top of the door to prevent the bracket from sliding down the side edge flanges of the door.

1,739,519. FEEDING MOLTEN GLASS. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Oct. 31, 1925. Serial No. 66,019. 13 Claims. (Cl. 49—55.)



3. The method of shaping a mass of molten glass into a form appropriate to the contour of the mold in which said mass is to be fabricated, that comprises causing molten glass to issue downwardly from an opening in a container, receiving the glass in a shaping cup, blowing air continuously into said cup and discharging air from said cup mainly through the side walls of the cup so as to provide a layer of air distributed over the inner walls of said cup, thereby preventing the glass in the cup from direct contact with the walls of the cup, severing the glass from the parent body of glass, and depositing the said mass in a mold.

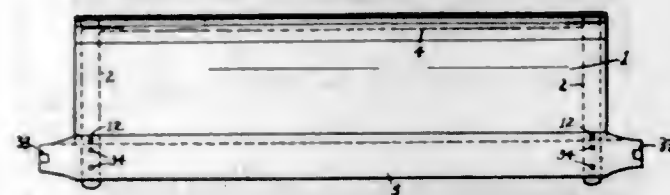
7. Glass feeding apparatus comprising a cup composed of two cooperating halves adapted to receive and shape charges of molten glass, and means for interposing a fluid layer between the glass in said cup and the walls of said cup and for controlling the pressure of the layer on the glass in the cup so that the glass is given the configuration of the cup without distortion by the fluid.

1,739,520. RADIORECEIVING CIRCUITS. RALPH K. POTTER, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 4, 1926. Serial No. 152,659. 3 Claims. (Cl. 150—2.)



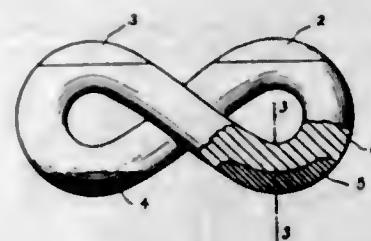
1. The method of receiving radio signals which follow both a direct path and an indirect path in a single vertical plane between the point of transmission and any point of reception, which consists in receiving the direct and indirect signals from a single source at two points in a common vertical plane with the point of transmission, said points being so chosen that the signals received at the two points over the one path will be in phase and the signals received over the other path will have a phase difference, and combining the outputs from said two points so that the signals received over the first of said paths will cancel one another, and the signals received over the other of said paths will have a positive vector sum.

1,739,521. CARPET-SWEEPER CASE. FRED W. PULLEN, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Filed Mar. 25, 1927. Serial No. 178,284. 2 Claims. (Cl. 15—41.)



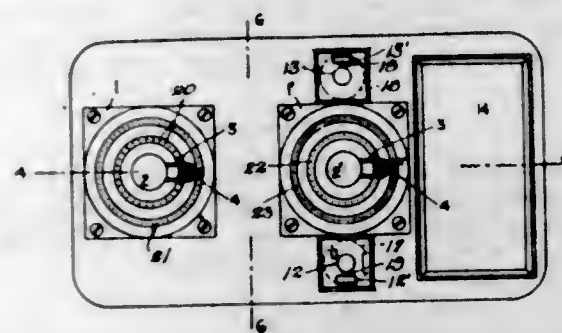
2. A carpet sweeper case comprising a rectangular shell body with downturned sides and having inturned beads at the ends thereof, case ends conformed to the said shell and retained by nails through the lower corners of the body shell, and a tight fitting top bar within said shell retained in said case by suitable means for clamping the said case ends within the shell, as described.

1,739,522. CHAIN LINK. JOHN R. REYBURN, Fairfield, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed Nov. 20, 1926. Serial No. 149,553. 1 Claim. (Cl. 59—84.)



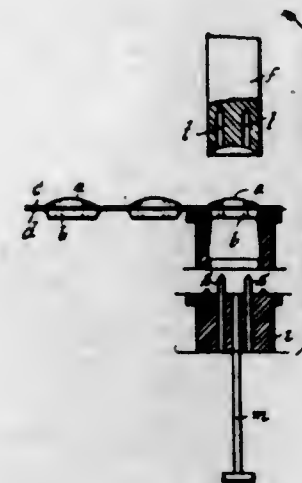
In tread chain for anti-skid devices for vehicle wheels, twisted links comprising relatively pliable metal provided with localized integral hardened road contact areas.

1,739,523. DEVICE FOR WORKING OUT CALCULATIONS IN CONNECTION WITH STRUCTURES OF REINFORCED CONCRETE. WASHINGTON SABATINI, Oneglia, Italy. Filed Dec. 16, 1925. Serial No. 75,844. and in Italy Jan. 13, 1925. 1 Claim. (Cl. 235—61.)



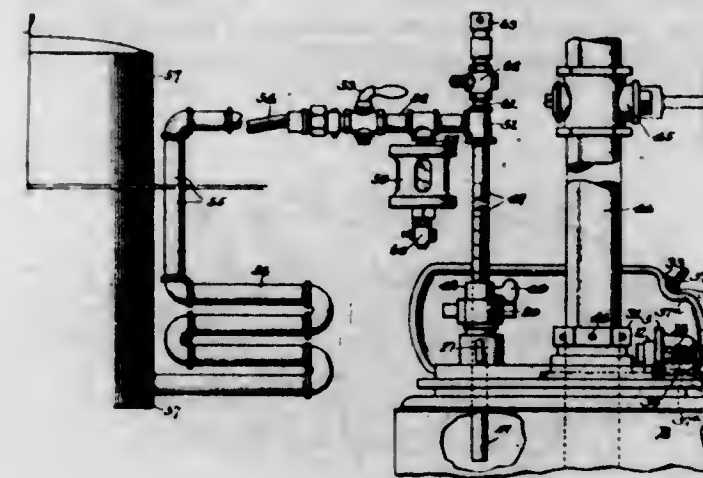
A calculating device of the character described, including in combination a pair of cylinders marked with the required solutions, buttons, a rotatable arm associated with each button, gearing interposed between the buttons and cylinders for imparting a rotary motion and a reciprocating movement alternately to said cylinders so as to rotate or reciprocate them with equal speed in opposite directions, and graduated discs each provided with two groups of concentric holes serving as setting points for the adjacent rotatable arm of each button and said holes corresponding to points on the cylinders which represent the required solution.

1,739,524. STAMPING PROCESS FOR MAKING SHEET-METAL ARTICLES. PHILIPP SCHWARZ, Barmen, Germany. Filed Aug. 13, 1927. Serial No. 212,787, and in Germany Aug. 18, 1926. 5 Claims. (Cl. 79—4.)



1. A stamping process for making sheet metal articles comprising two stamped parts joined at their edges, which consists in superposing two strips in which the parts to be punched have been previously formed, with the pairs of parts axially aligned relative to one another, then simultaneously stamping with a single punch a pair of superposed parts and then flanging the edges of both parts in the same direction by further travel of the same punch and co-action of a counter-punch.

1,739,525. LOADING AND UNLOADING DEVICE FOR TANK CARS. WILLIAM C. SHANLEY, Des Moines, Iowa. Filed Aug. 26, 1926. Serial No. 131,801. 10 Claims. (Cl. 220—86.)

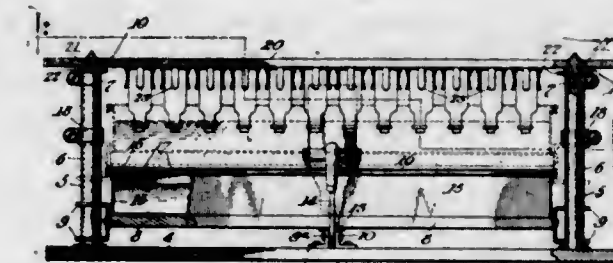


1. In a device for loading and unloading tank cars having a dome, a cover for said dome, a sliding plate on said cover, the plate and cover having openings adapted to be brought into registry to permit the passage of a pipe therethrough, the plate and cover having a second pair of openings adapted to be brought into registry at the same time, and a check valve connected to the second opening in the cover and yielding to admit air into the car when the contents are being removed.

1,739,526. BOTTLE-DIPPING MACHINE. HENRY B. SILVER, New York, N. Y. Filed June 24, 1927. Serial No. 201,208. 8 Claims. (Cl. 226—80.)

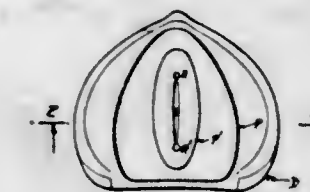
1. A bottle capping apparatus comprising a container for the capping solution, and having a top into which

the neck of a bottle may enter, means for holding a bottle in inverted and suspended position above the container



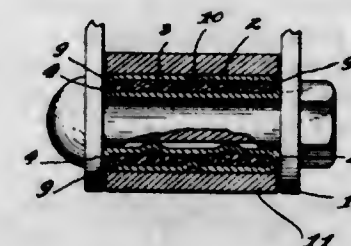
and at different heights, and means for elevating the container to cause the neck of the bottle to enter the top of the container and be immersed in the capping solution.

1,739,527. LAYER FOR UPPER DENTURES. WILLIAM MONELL STANBROUGH, Newburgh, N. Y. Filed Aug. 22, 1927. Serial No. 214,774. 1 Claim. (Cl. 32—4.)



In an article of manufacture, being a metallic foil layer for an upper denture, a single metallic foil having slotted interior portion and having at the end of said slot, openings all as and for the purposes herein set forth.

1,739,528. DOUBLE-END-THRUST SELF-LUBRICATING BEARING. NEWTON SKILLMAN, Highland Park, Mich., assignor to O. & S. Bearing Co., Detroit, Mich., a Corporation of Michigan. Filed Apr. 26, 1926. Serial No. 104,735. 4 Claims. (Cl. 308—240.)

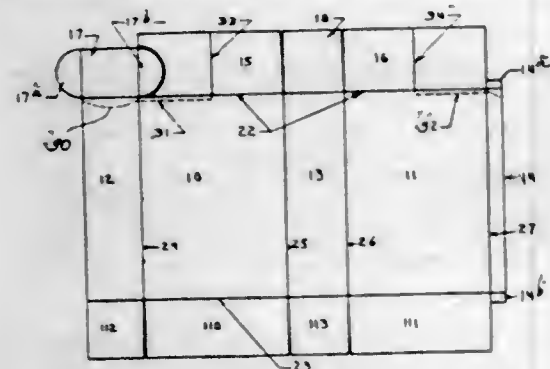


1. A bearing comprising an inner tubular section having outwardly extending annular flanges at its ends and an outer polished surface, a compressed lubricant impregnated bushing of fibrous material surrounding said inner section and located substantially between said flanges, and an outer section having a force fit with and surrounding said bushing having inturned annular flanges at its ends engaging said bushing, said bushing being substantially the combined thickness of said two flanges and thereby holding said outer section from longitudinal movement relative to said inner section, the flanges of said inner and outer sections cooperating with each other to further compress the bushing.

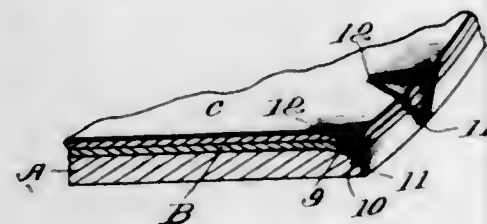
1,739,529. BOX. EUGENE SKINNER, Omaha, Nebr., assignor to Skinner Manufacturing Company, Omaha, Nebr. Filed June 28, 1926. Serial No. 118,872. 3 Claims. (Cl. 229—17.)

1. A blank for a paper box or the like having a partly liftable top and wings upon said top and extending into

said box comprising a body for forming the front, back, sides, top and bottom of said box, an extension constituting a portion perforated in the side of said box for providing a part of said top, and wings formed integrally with said top to extend into said box for engaging the sides thereof.

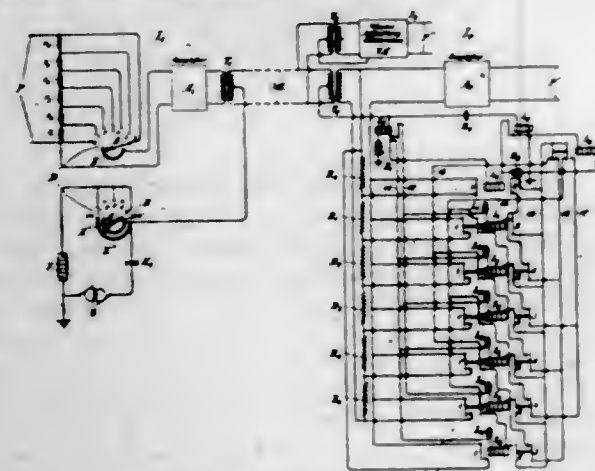


1,739,530. LINER FOR JARS. THOMAS L. TALIAFERRO, Chicago, Ill., assignor to Phoenix-Hermetic Company, Chicago, Ill., a Corporation of New York. Filed May 26, 1926. Serial No. 111,815. 2 Claims. (Cl. 154-45.5.)



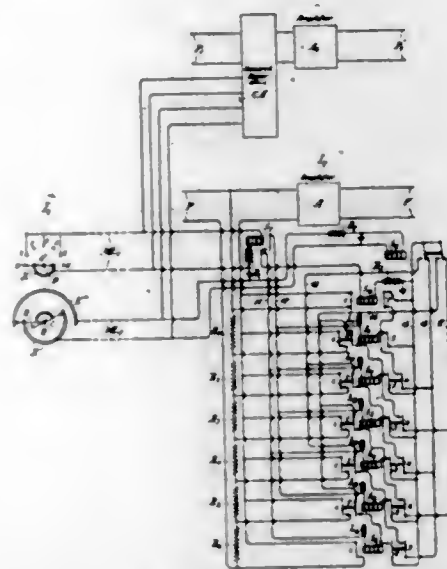
1. A liner for jars comprising a layer of pulp board, a disk of protecting material covering said pulp board, a layer of adhesive wax of substantial thickness between the pulp board and the disk, said disk being indented without rupturing the same at the peripheral edges thereof so that the indented portions of the disk are indented in the layer of wax and the disk, together with the wax, indented in the body portion of the pulp board, but leaving the face of the pulp board opposite the disk unbroken.

1,739,531. REMOTE CONTROL SYSTEM. EDMUND R. TAYLOR, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 12, 1926. Serial No. 108,633. 12 Claims. (Cl. 178-44.)



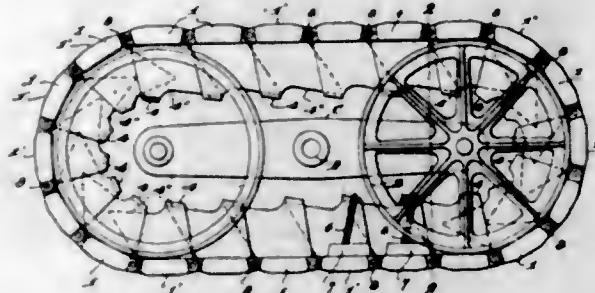
1. In a transmission system, a transmitting medium interconnecting a sending station and a plurality of receiving stations, volume adjusting means at each station, a control switch at the sending station, a plurality of relays at each receiving station, means operated by a change in the setting of said switch to transmit alternating current and pulses of direct current between said stations for rendering said relays responsive to said impulses to effect simultaneous and complementary adjustments of the volume at the sending and the receiving stations.

1,739,532. REMOTE CONTROL OF REPEATERS. EDMUND R. TAYLOR, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 11, 1926. Serial No. 115,402. 8 Claims. (Cl. 178-44.)



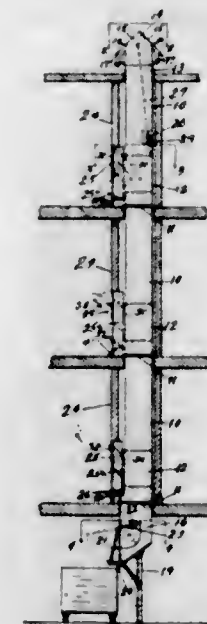
1. A system for simultaneously controlling the gain of a plurality of repeaters, each of which is located at a repeater station, comprising a station remote from the repeater stations at which there is a controlling device, a transmitting medium between said remote station and said repeater stations over which two characteristic impulses may be transmitted controlled by said control device, one characteristic impulse consisting of pulsations of direct current, the other characteristic impulse consisting of pulsations of direct current and steady direct current, and means at each repeater station responsive to said impulses to change the gain of the repeater thereat.

1,739,533. ENDLESS TRACK BAND. WALTER A. TRINLER and NEWLAND D. TRINLER, Camaguey, Cuba. Filed Nov. 16, 1926. Serial No. 148,693, and in Cuba Aug. 12, 1926. 1 Claim. (Cl. 305-10.)



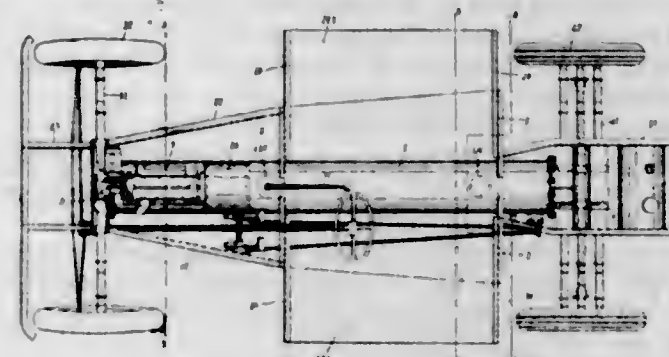
An endless track band comprising a plurality of shoes, each consisting of a tread plate having a hollow cross sectionally V shaped ridge on its inner side extending from end to end thereof, said tread plates being pivotally connected together and each ridge having an opening in its crown, intermediate its ends and also having elongated side walls extending longitudinally from its pivot, a reduced end extending into the larger end of the next adjacent ridge so that said ridges are in partial overlapping relation, each to the next and the smaller end of each ridge being constructed and arranged to move in an arc the chord of which is at such an angle to a radius of the pivot of said ridge that its crown is caused to abut against and close in the larger end of the next adjacent ridge when said plates are in alignment and so that said ridges of said plates form coacting stops which keep the stretches of said track band substantially tense.

1,739,534. WASTE DISPOSAL CHUTE. CLARENCE M. WILKINSON, Akron, Ohio. Filed Oct. 16, 1926. Serial No. 141,935. 9 Claims. (Cl. 193-34.)



2. A waste disposal chute including double closure intakes, both of said closures being normally shut, and means for operating the closures including an arm connected to each closure and a single element for actuating the arms so that one of the closures is shut while the other is open.

1,739,535. VEHICLE CONSTRUCTION. JAMES A. WRIGHT, Montreal, Quebec, Canada. Filed Nov. 8, 1926. Serial No. 146,978, and in Canada Oct. 6, 1926. 4 Claims. (Cl. 180-57.)



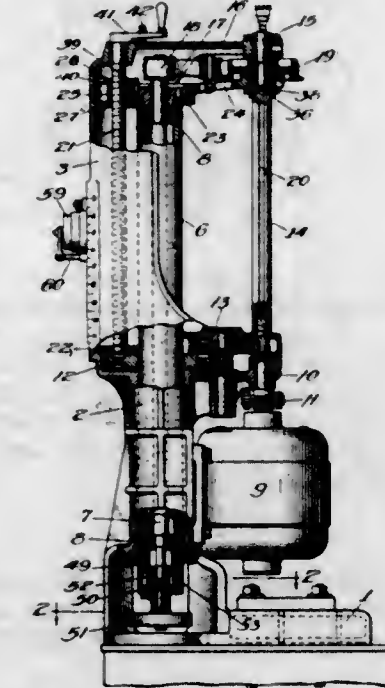
1. In a vehicle chassis construction, a central torque tube frame of sheet metal rigidly supported between front and rear yoke blocks, having transverse diaphragms therein and transverse brackets riveted through the sides of the tube to certain of the diaphragms.

1,739,536. PORTABLE BORING AND GRINDING MACHINE. JOSEPH APPLETON, Oshkosh, Wis., assignor to Simplicity Manufacturing Company, Port Washington, Wis., a Corporation of Wisconsin. Continuation of application Serial No. 676,587, filed Nov. 23, 1923. This application filed Feb. 18, 1929. Serial No. 340,995. 20 Claims. (Cl. 29-28.)

1. A boring and grinding machine comprising a portable frame having a horizontal base and a vertical standard, a rotatable and slidable outer shaft arranged in said standard, a drive to rotate said outer shaft, a shaft support to carry said outer shaft, means to move said shaft support vertically, an inner tool shaft carried in said outer shaft, a rotary driver arranged alongside said outer shaft, and a drive connecting said inner shaft and said driver and moved positively along said driver by said shaft support in unison with the vertical movement of said shafts.

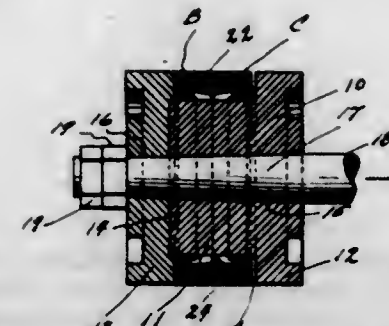
20. A boring and grinding machine comprising a portable frame having a horizontal base and a vertical stand-

ard, a rotatable and slidable outer shaft arranged in said standard and adapted to carry either a boring tool or a grinding tool at its lower end, said frame having an opening near the bottom of said standard to permit said tools to be passed therethrough, a motor carried by said frame to rotate said outer shaft, an inner shaft arranged in said outer shaft to drive a tool and carried by said outer shaft,



a rotary driver arranged alongside said outer shaft and driven by said motor, a drive connecting said inner shaft and said driver, means to move said shafts vertically, means to move said inner shaft drive positively along said driver in unison with the vertical movement of said inner shaft, and a limit switch arranged in adjusted positions to control said motor and stop the machine as said tool reaches a predetermined limit.

1,739,537. PISTON RING. IVAN C. BELL, Dallas, Tex. Filed Feb. 28, 1928. Serial No. 257,573. 7 Claims. (Cl. 74-109.)



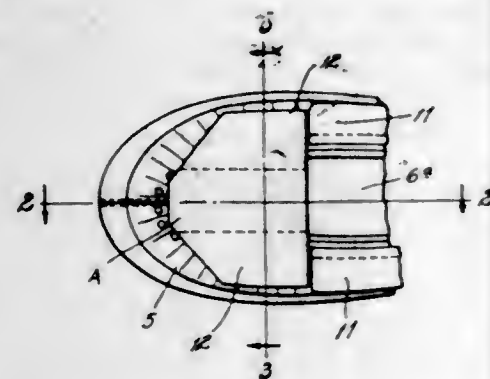
1. An elastic piston ring comprising internal annular compression lips and fluid pockets contiguous to said lips, said ring having an internal annular channel between and communicating with said lips and pockets and said lips overlying said pockets.

1,739,538. SHOE. ALEXANDER E. BLOCK, St. Louis, Mo. Filed May 23, 1924. Serial No. 715,294. 6 Claims. (Cl. 36-71.)



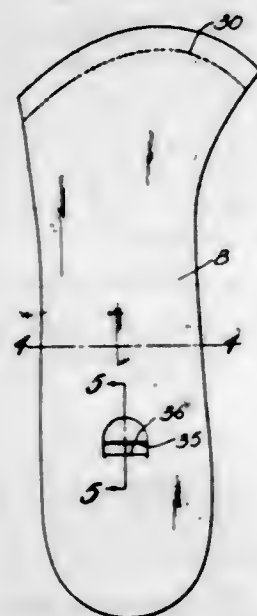
1. A shoe having a secondary sole with a plurality of insert-receiving pockets on its under side, said secondary sole being permanently secured to the shoe, all of its edges being free to be moved to expose the pocket openings.

1,739,539. SHOE. ALEXANDER E. BLOCK, St. Louis, Mo. Filed Jan. 8, 1928. Serial No. 79,944. 1 Claim. (Cl. 36-76.)



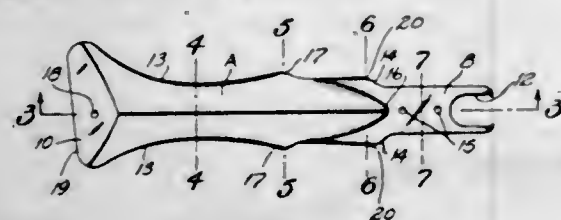
The improvement in shoes comprising a shoe having in-drawn edges of upper materials between the inner and outer soles arranged to form a cavity between said soles; and a leveling element arranged to insure a substantially flat heel-receiving surface at the mouth of said cavity, said leveling element having lateral wings extending beyond the inner edges of said cavity.

1,739,540. FOOT-TREATMENT APPLIANCE. ALEXANDER E. BLOCK, St. Louis, Mo. Filed Dec. 31, 1927. Serial No. 243,787. 8 Claims. (Cl. 36-71.)



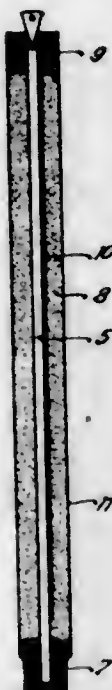
1. An improved foot-treatment appliance comprising a base insole and a co-extensive top layer of like material secured together transversely at their front ends; a tongue formed in said top layer; and locking means formed in said base layer for the reception of said tongue at various points in said base layer.

1,739,541. TRUSS FOR SHOES. ALEXANDER E. BLOCK, St. Louis, Mo. Filed Nov. 2, 1928. Serial No. 316,641. 2 Claims. (Cl. 36-76.)



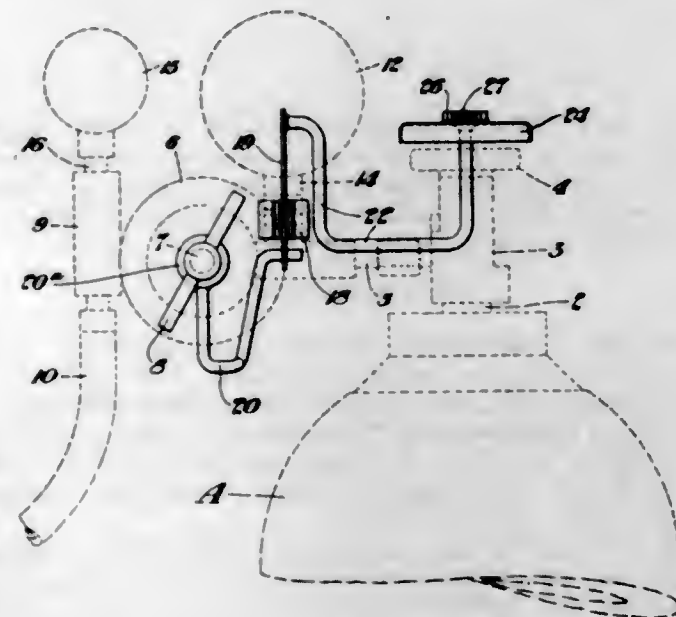
1. The truss for shoes comprising a rear terminal butt having substantially parallel depending marginal flanges; and an arched channelled body having depending marginal flanges throughout its rear portion, wherewith said butt is integral.

1,739,542. CORE FOR MOLDS. GEORG BÜHLE, Vienna, Austria. Filed Oct. 29, 1928, Serial No. 315,817, and in Germany Nov. 4, 1927. 2 Claims. (Cl. 22-188.)



2. A process for the production of a resilient core for casting molds consisting in introducing into a core mold having a core rod, first a layer of sand which is stamped down solid, then a mixture of sand and water soaked sawdust which is lightly stamped down, and finally a further layer of sand which is stamped down solid, then piercing an air passage nearly to the bottom of the core by the introduction of a thin rod, removing the core from the mold and dipping it into a thick aqueous fluid mixture of clay and graphite, drying in a chamber at 60 to 80° C. and then raising the temperature of the core and chamber to incandescence.

1,739,543. SAFETY APPLIANCE. ASLINGTON L. BURTON, Cleveland, Ohio. Filed May 14, 1928. Serial No. 277,681. 4 Claims. (Cl. 50-23.)



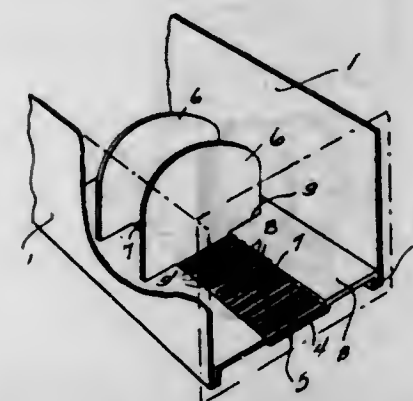
1. The combination with an oxygen tank having the usual outlet provided with a control valve, a hand-wheel for operating said valve, a pressure regulator communicating with said outlet, and means for operating said pressure regulator, of means operable by the pressure regulator operating means for covering and uncovering said control valve hand-wheel.

1,739,544. REFRIGERATION. RICHARD JOHN CRACKNELL, London, England, assignor to Electrolux Servel Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 16, 1928, Serial No. 254,714, and in Great Britain Feb. 18, 1927. 10 Claims. (Cl. 62-119.5.)



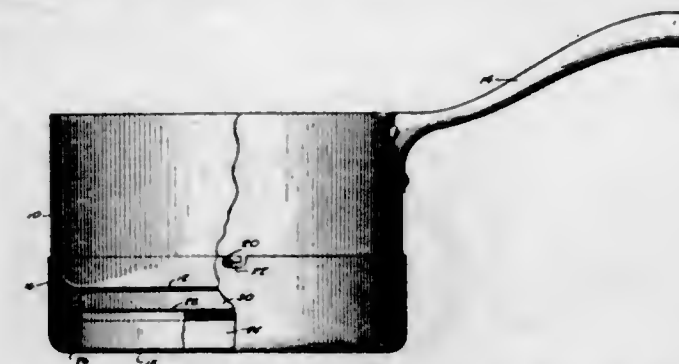
1. Refrigerating apparatus comprising a cylindrical drum, a plate dividing the drum into an evaporator portion and an absorber portion, absorber disks in the absorber portion, a gas conduit connected to the evaporator portion passing through the absorber disks, a heat exchanger, a conduit connected to the heat exchanger passing through said gas conduit and arranged to discharge liquid on the absorber disks, a generator, conduits connecting the generator with the heat exchanger, the heat exchanger being arranged to receive liquid from the absorber disks, evaporation means in the evaporator portion and means connecting the evaporation means with the generator including a condenser.

1,739,545. FILE-CABINET CONSTRUCTION. WARNER I. CUMBERLEY, Washington, D. C. Filed Aug. 6, 1929. Serial No. 388,944. 6 Claims. (Cl. 129-16.)



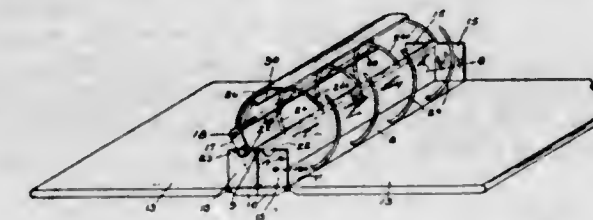
1. A file cabinet construction of the type having drawers for receiving the files and the like, said drawers each having sides and a bottom, the drawer bottom having certain portions depressed below the top surface and said depressed portions having protuberances in series and terminating short of the top surface of the drawer bottom, and filing retaining means having each a vertical portion and a substantially horizontal portion, the horizontal portion provided with protuberances in series engaging with certain of the protuberances in the drawer bottom to hold said means in various positions with respect thereto.

1,739,546. COOKING UTENSIL. JOHN FARUGGIA, Bronx, N. Y. Filed Aug. 30, 1929. Serial No. 369,362. 3 Claims. (Cl. 53-7.)



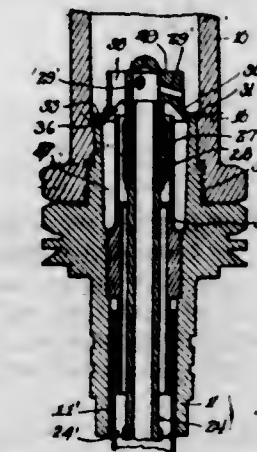
1. A cooking utensil comprising a perforated pot, a perforated pan secured to said pot and a grate in said pan.

1,739,547. SHEET SHIFTER. MICHAEL GRIFFIN, Cincinnati, and HUBERT AUBURN, Mount Healthy, Ohio, assignors to The Tenacity Manufacturing Company, Reading, Ohio, a Corporation of Ohio. Filed Mar. 13, 1928. Serial No. 261,352. 14 Claims. (Cl. 129-1.)



1. A shifter for use with visibly indexed loose leaf binder comprising the combination of a body having spaced longitudinal slots and spaced fingers extending from said body.

1,739,548. OIL BURNER. FRANKLIN HARDING, Chicago, Ill., assignor to Hardinge Brothers, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1924. Serial No. 748,862. 26 Claims. (Cl. 158-77.)

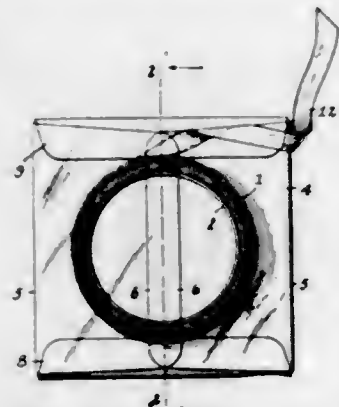


26. In an oil burner the combination of a rotary nozzle for liquid fuel, a stationary standpipe extending into the interior of the nozzle for delivering liquid fuel thereto, an oil delivering surface on the standpipe extending toward the inner surface of the nozzle and forming a vertical open space therebetween said space being of such size that the liquid is transferred from said stationary standpipe to the inner surface of said rotary nozzle directly and horizontally across said open space, opposed to the force of gravitation.

1,739,549. RIBBON AND THE LIKE ROLL PACK. ARTHUR J. HARRIS, Paterson, N. J. Filed Aug. 6, 1928. Serial No. 297,593. 6 Claims. (Cl. 206-52.)

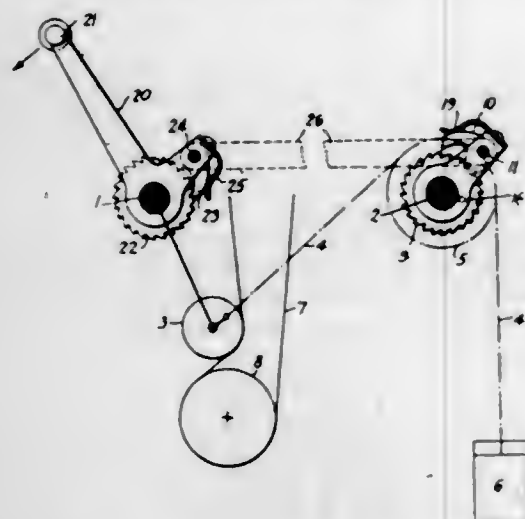
1. As a new article of manufacture, a pack comprising a contained body including a band wound upon itself in

the form of a roll, said body having substantially flat ends and being of itself free to spill, and an envelope containing said body and having opposite walls thereof bowed



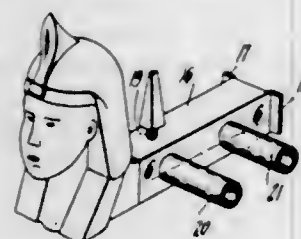
apart by said body and exerting pressure on said ends and thereby holding said body against spilling and in a definite relation to the envelope, one such wall being transparent.

1,739,550. IDLER PULLEY DRIVE PARTICULARLY FOR RING SPINNING AND DOUBLING FRAMES. JOHANN HILDEBRANDT, Wallisellen, Switzerland, assignor to the Firm Maschinenfabrik Oerlikon, Oerlikon, near Zurich, Switzerland, a Corporation of Switzerland. Filed Nov. 20, 1928, Serial No. 320,559, and in Germany Nov. 28, 1927. 3 Claims. (Cl. 64-5.)



1. In an idler pulley belt drive, a pulley, a belt encircling said pulley, an idler pulley contacting with said belt, a load applied to said idler pulley, means for releasing and applying said load to said idler pulley, a handle connected to said load-applying means, and a brake automatically applied to said handle when applying said load.

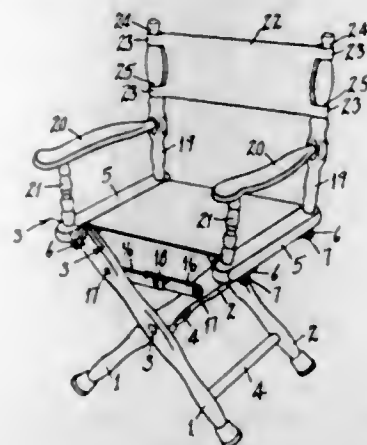
1,739,551. CURTAIN HOLDER. HENRY KASBARIAN, Boston, Mass. Filed Mar. 8, 1928. Serial No. 259,971. 2 Claims. (Cl. 156-22.)



1. A curtain-rod bracket comprising a flat-sided plate adapted for attachment to window casing and provided with spaced apart sockets which are vertically arranged when the plate is attached, and have closed lower ends.

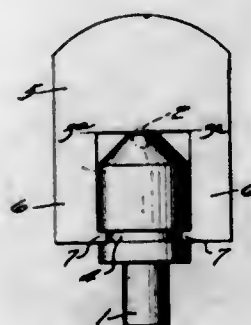
open inner edges, and open upper ends, the plate having an extension projecting downwardly between and below the sockets; and a one-piece arm having means for receiving a curtain rod and composed of a length of tubing which is rectangular in cross section and has flat sides, two opposite sides of the arm being extended and bent to form integral vertical ears adapted to enter said sockets and abut the closed ends thereof, the lower side of the arm being extended and bent to form an integral transverse ear adapted to abut the plate extension.

1,739,552. FOLDING CHAIR. WILLIAM E. KIDDER, Kalamazoo, Mich., assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Filed Sept. 26, 1928. Serial No. 308,355. 9 Claims. (Cl. 155-140.)



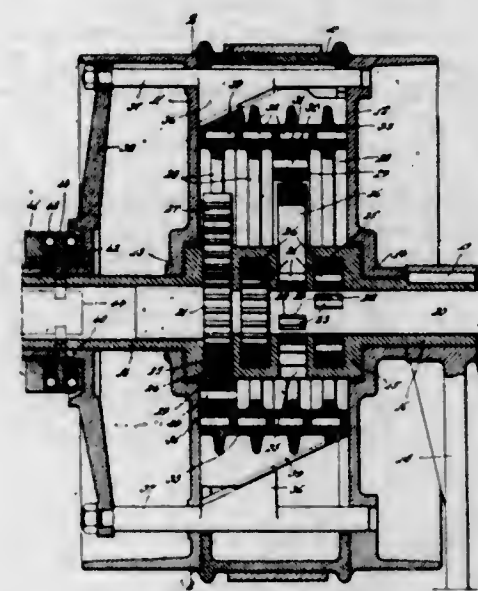
5. In a collapsible chair, the combination with pairs of crossed pivotally connected legs having outwardly facing recesses in their upper ends, side rails, a flexible seat, clamping strips secured on the inner sides of said side rails to clamp said seat, and hinge members connecting said rails to said legs disposed so that when the chair is erected the bottoms and inner sides of the clamping strips are in supporting engagement with the legs.

1,739,553. MEANS FOR DETERMINING THE WEAR OF DIAMOND-POINTED TOOLS AND THE LIKE. FRANK E. KOEBEL, Glen Ridge, and CHARLES J. KOEBEL, Weehawken, N. J. Filed May 3, 1924. Serial No. 710,848. 2 Claims. (Cl. 33-201.)



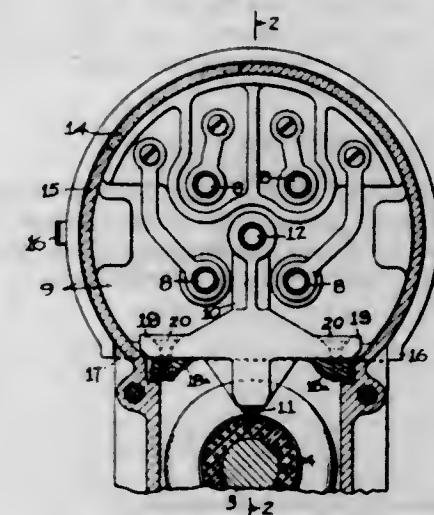
1. A gauge to be used with a diamond-pointed tool or the like for testing the relation of the point proper of the diamond to the body of the tool, the latter having shoulders at opposite sides hereof and at right angles to its axis, said gauge comprising a body portion having two arms extending therefrom in the same direction and spaced to permit the passage of the tool therebetween, said arms having on their adjacent faces lugs with shoulders for engagement with the corresponding shoulders on the tool, the dimensions of the gauge being such that, when its shoulders are engaged with those of the tool, the inner edge of the gauge body may be passed over the diamond only after the latter has been worn down to a predetermined extent.

1,739,554. VARIABLE-SPEED MECHANISM. JOHN A. LINDHOLM, Wollaston, Mass. Filed Aug. 4, 1925. Serial No. 48,077. 14 Claims. (Cl. 74-53.)



1. In variable speed mechanism, a rotatable driven member, and a rotatable drive member thereabout having a part mounted for relative eccentric adjustment, one-way clutch pinions on said driven member and racks mounted for movement in a fixed path and meshing with said pinions and associated with said drive member so as to be reciprocated thereby when the drive member is rotated and eccentric to said driven members.

1,739,555. DISTRIBUTOR PLATE. JOHN F. MARTIN, Springfield, Mass., assignor to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed Apr. 5, 1929. Serial No. 352,788. 6 Claims. (Cl. 123-149.)

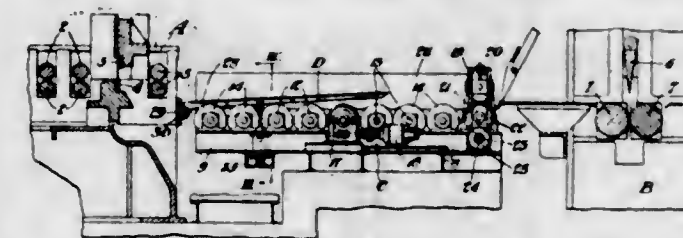


1. In a magneto, a distributor plate mounted on one end thereof having radially disposed brushes, and a separate, integral member partially encased by said plate having a collector brush and a center brush.

1,739,556. MATCHER. ARTHUR R. MCARTHUR, Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Jan. 26, 1928. Serial No. 249,648. 3 Claims. (Cl. 153-2.)

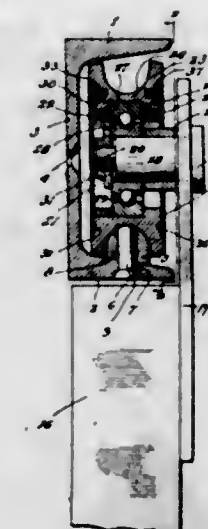
1. The combination with a metal shearing apparatus for shearing strips of relatively light metal into relatively

short length sheets, and a double apparatus spaced a material distance from said shearing apparatus, of a conveyer table arranged between said shearing apparatus and said doubling apparatus for conveying the sheared sheets to said doubler, means normally positioned above said con-



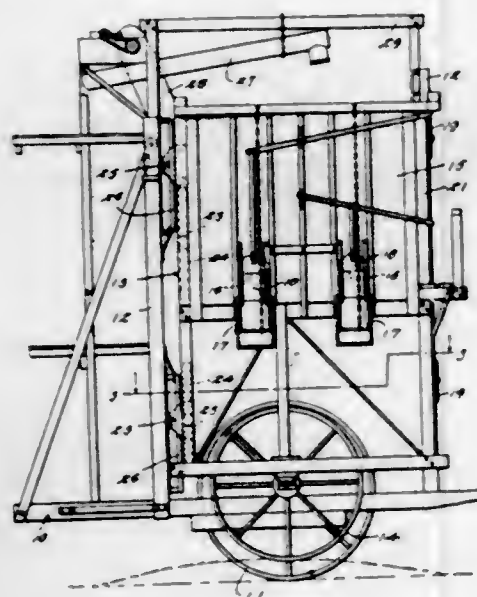
veying table for receiving and holding said sheets above said table, and power means under the control of the operator for moving said first named means into a position below the upper plane of said table so as to deliver said sheets to said table.

1,739,557. DOOR HANGER. FRANCIS H. MCTIGUE, Holyoke, Mass., assignor to The Coburn Trolley Track Mfg. Co., Holyoke, Mass. Filed Nov. 19, 1928. Serial No. 320,447. 1 Claim. (Cl. 16-104.)



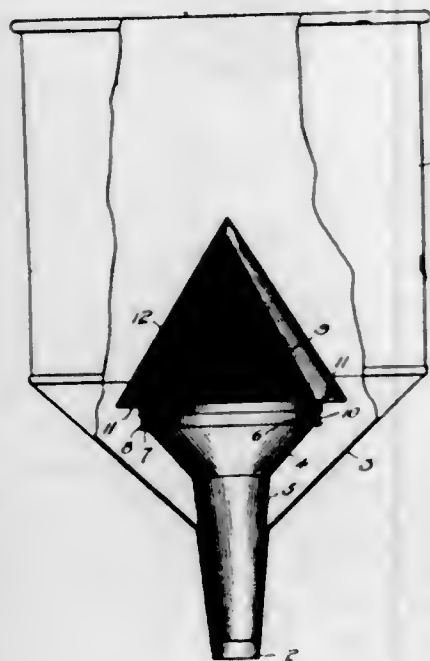
In a door mounting, a track to extend over a doorway transversely thereof, a hanger adapted to be secured to a door and project upwardly therefrom, an axle carried by said hanger adjacent its upper end and projecting transversely therefrom adjacent its upper end, a spacing sleeve upon said axle bearing against said hanger, a wheel arranged to run on the track and disposed about said axle and having a bore formed with an annular shoulder intermediate its depth, a disk carried by said wheel at one side thereof and fitting snugly about said sleeve, a bearing in the bore of said wheel having an outer race ring fitting against said shoulder and an inner race ring fitting snugly upon the axle against said sleeve, a retaining nut carried by said axle and bearing against the inner race ring to clamp the same against the end of the sleeve, a retainer ring in the bore of said wheel engaging the outer race ring to hold the same against said shoulder, and a disk secured against the wheel to close the bore at the opposite end thereof from the first disk and hold the retaining ring against the outer race ring.

1,739,558. HARVESTER ATTACHMENT. LYMAN D. MORSE, Butte City, Calif. Filed Nov. 28, 1928. Serial No. 322,420. 4 Claims. (Cl. 56—122.)



1. An attachment for a combined harvester and thrasher comprising a grain receptacle, means loosely connecting the receptacle to the harvester for vertical slidable movement, and ground engaging means supporting the receptacle.

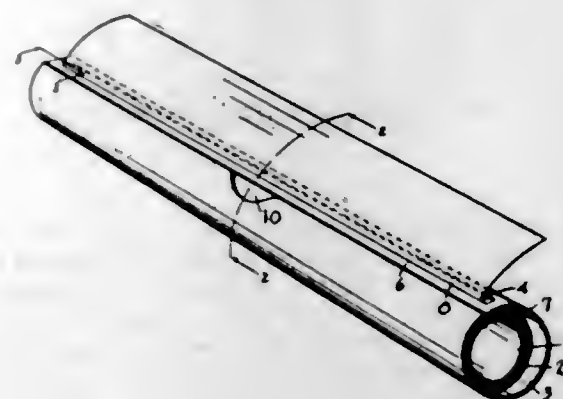
1,739,559. FILTERING FUNNEL. CHARLES R. OWENS, Washington, D. C. Filed Feb. 23, 1929. Serial No. 342,228. 1 Claim. (Cl. 210—157.)



A filtering element for funnels of the type including a body, a spout, and an upwardly flared section connecting the body and spout, said filtering element including a spout section to fit frictionally within the spout of the funnel, an upwardly flaring portion extending from the upper end of the spout section, said flaring portion extending in spaced parallel relation to the flared section of the funnel to thereby provide a relatively deep downwardly and inwardly inclining sediment trap open only at the

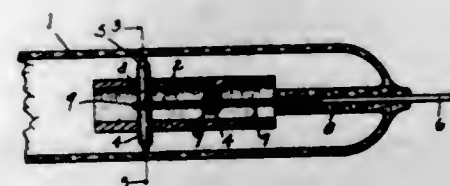
upper end, a conical screen carried by the flaring portion of the filtering element, and a hood of conical form supported to overlie and cover the screen other than at the lower end of the hood, the plane of the exterior of the hood being substantially at right angles to the flaring section of the funnel whereby the incoming liquid is directly intercepted by the flaring section of the funnel and directed therefrom to and beneath the hood and through the screen without disturbing the material in the comparatively deep sediment trap.

1,739,560. PAPER-DISPENSING PACKAGE. ZEISSER W. RANCK, Middletown, Ohio, assignor to Crystal Waxing Company, Middletown, Ohio. Filed Feb. 6, 1929. Serial No. 337,780. 4 Claims. (Cl. 206—58.)



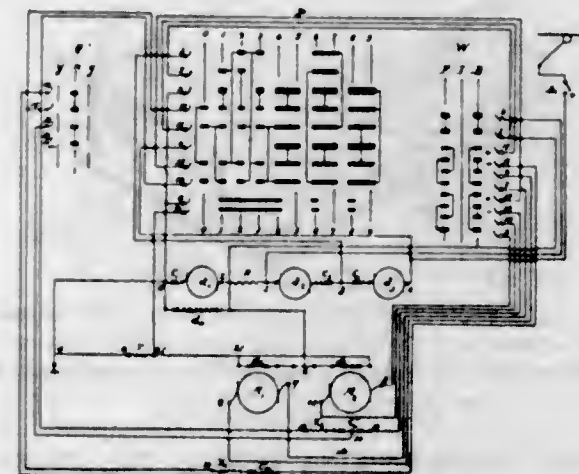
1. A paper dispensing package comprising a tubular holder having a longitudinal slot therein, and a cutter bar lying above said slot and having its ends folded over the ends of said holder, said bar having a longitudinal inclined paper supporting lip struck inwardly therefrom and projecting into said slot in said holder, the edge of the opening in said bar opposite said lip constituting a cutting edge, said holder having a centrally disposed thumb opening adjacent said cutter bar.

1,739,561. GASEOUS ELECTRIC DISCHARGE LAMP. FRANK SCHAEFER, Kalamazoo, Mich., assignor of one-half to American Signs Corporation, Kalamazoo, Mich. Filed Dec. 25, 1927. Serial No. 242,267. 6 Claims. (Cl. 176—126.)



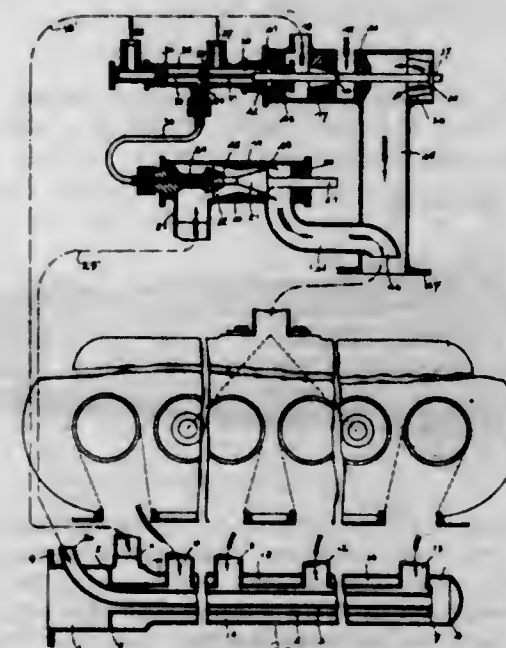
1. A gaseous electric discharge lamp comprising a sealed tube, a tubular electrode of carbon disposed therein and having transversely disposed holes therein, supporting pins arranged in said holes to engage the walls of the tube whereby the electrode is supported centrally within the tube, and a conductor terminal disposed within said electrode and having eyes engaged by said pins.

1,739,562. DIRECT-CURRENT SYSTEM. GIACOMO SOMAJNI, Milan, Italy. Filed Oct. 24, 1921, Serial No. 510,133, and in Italy Nov. 10, 1920. 2 Claims. (Cl. 172—239.)



1. In an electric traction system operating from supply mains, the combination of at least two sets of compound excited motors, each set comprising at least one motor and two terminals, a controlling device having a series of contacts connected to the said terminals, a dynamotor having, on one common armature core, a plurality of windings connected together in series across the supply mains, the end and intermediate connecting points of the said windings being connected to a further series of contacts on said controller, and means in the said controller for so connecting the dynamotor series of contacts and the motor series of contacts that movement of the said means in one direction alters the tapping points of the dynamotor from which the motors are fed and connects the motor sets in series and parallel in such a manner that the voltage applied during driving to each set of motors increases by successively increasing steps to a maximum.

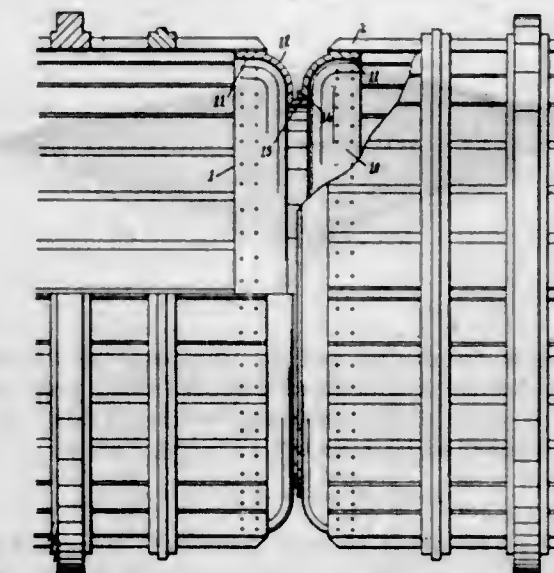
1,739,563. CARBURETOR. FRANCOIS VICTOR ALBERT THOMAS, Paris, France. Filed Apr. 24, 1923, Serial No. 634,354, and in France Apr. 28, 1922. 2 Claims. (Cl. 261—14.)



1. In a carburetor for explosion engines, a controlled primary cold air inlet, a heater connected to said inlet and by which the primary air is heated, controlled liquid fuel inlets, a vaporizing chamber connected to said fuel inlets

and to the heater, in which the liquid fuels are vaporized by the heated primary air, a controlled secondary cold air inlet, leading directly to the engine, the vaporizing chamber opening into the stream of secondary cold air, and means whereby the primary air inlet, the liquid fuel inlets and the secondary air inlet are controlled simultaneously and proportionally.

1,739,564. BARKING DRUM. PEDER PEDERSON WESTBYE, Peterborough, Ontario, Canada. Filed Feb. 11, 1928. Serial No. 253,676. 6 Claims. (Cl. 144—208.)



1. In a barking drum of the type specified, an end head having a ring portion and a curved bowl portion.

1,739,565. COW-TAIL HOLDER. STEPHEN I. WEST and CHARLIE F. SAWYER, Palouse, Wash. Filed Mar. 1, 1928. Serial No. 258,318. 2 Claims. (Cl. 119—105.)

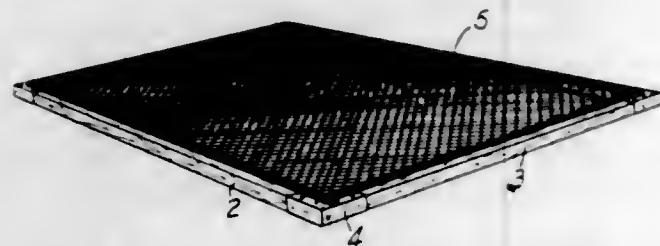


1. A cow tail holder comprising a pair of substantially parallel bars connected at both ends of one bar and providing a frame for disposition at one side of the tail, a lateral hook and a suspending hook both rigid with one end of said frame, and a third bar pivoted at one end to the other end of said frame, the free end of said third bar being engageable with said lateral hook.

1,739,566. MANUFACTURE FROM LATEX OF AN ARTIFICIAL GUTTA-PERCHA AND A NONHYGROSCOPIC RUBBER. EDUARD SALOMON ALI-COHEN, The Hague, Netherlands. Filed Sept. 10, 1928, Serial No. 305,129, and in the Netherlands Jan. 20, 1927. 7 Claims. (Cl. 106-23.)

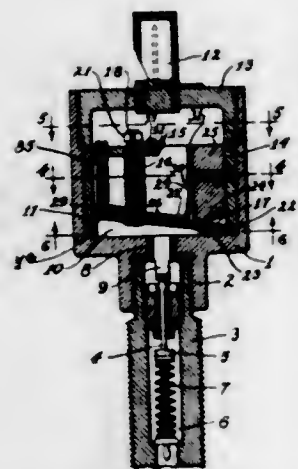
3. A process of manufacturing rubber preparations, comprising the steps of preparing a hot homogeneous emulsion of resins and waxes in an alkali soap solution; adding diluted latex thereto; and coagulating with a soluble aluminum salt.

1,739,567. FRAME FOR DRYING GELATIN, GLUE, AND THE LIKE. JOHN C. ANDERSON, Keyport, N. J. Filed June 11, 1927. Serial No. 198,136. 3 Claims. (Cl. 34-17.)



1. A device for drying gelatin, glue and the like comprising a rectangular frame and a net spanning such frame and secured thereto, the said net being helically woven from wire at least as large as No. 12 B and S gauge.

1,739,568. PRESSURE-ALARM DEVICE. GEORGE READE BALDWIN, Los Angeles, Calif. Filed Sept. 22, 1928. Serial No. 307,700. 15 Claims. (Cl. 116-34.)

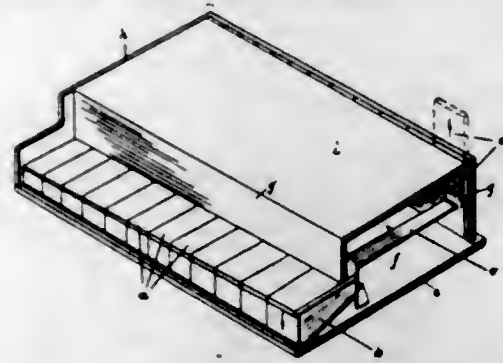


1. In a pressure alarm for indicating decrease in fluid pressures, the combination of a hollow casing arranged for fluid communication with the fluid in a fluid container, a flexible diaphragm detachably fixed in said casing, said flexible diaphragm being flexed in response to a decrease in fluid pressure, and said diaphragm arranged to prevent the escape of fluid at normal pressures, a signal device, and means operated by lessening the fluid pressure for causing the rupture of said diaphragm to allow the fluid to escape through the ruptured diaphragm to the signal device and operate said signal device.

1,739,569. MUSICAL TOY. KARL BEHN, Alfeld-Leine, Germany. Filed Dec. 21, 1928, Serial No. 327,702, and in Germany Aug. 14, 1928. 1 Claim. (Cl. 46-46.)

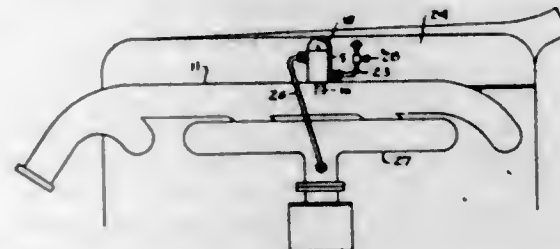
A musical toy simulating a piano and having a series of keys and a sound chamber in rear of the keys, a bellows underlying each key and designed to operate sound devices on the depression of a key, a slide mounted in rear of the sound chamber and normally concealed thereby, the slide

bearing a pictorial representation related to the sound produced by a particular key, and a bar connecting such



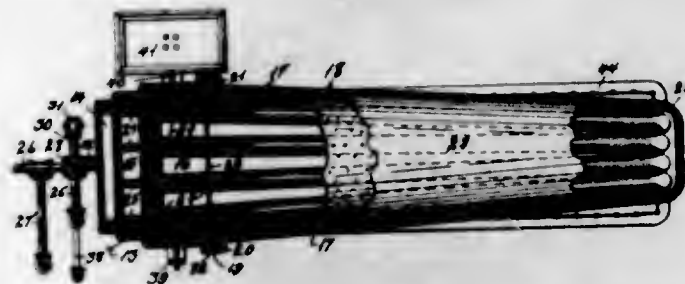
key and the particular slide, whereby the slide is operated in the operation of the key and simultaneously with the operation of the bellows to produce the desired sound.

1,739,570. HUMIDIFYING DEVICE FOR INTERNAL-COMBUSTION ENGINES. JOHN ARCHIBALD BELL, Montreal, Quebec, Canada, assignor of one-half to Lawrence McMillen McNaughton, Montreal, Canada. Filed May 23, 1927. Serial No. 193,560. Renewed May 13, 1929. 1 Claim. (Cl. 123-125.)



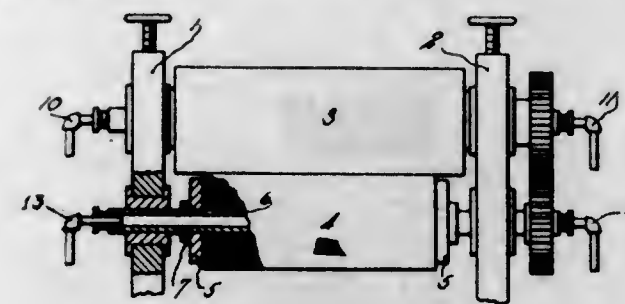
In a humidifying device for internal combustion engines, a casing having a threaded boss at the bottom thereof, a lateral bore thereabove, the lower surface of said bore forming a flash surface immediately over said boss, a vertical bore in communication with said lateral bore, said vertical bore being contracted at its lower end to form a seal and valve chamber, a ball valve in said chamber engaging said seat, a spring engaging said ball valve, the other end of said spring being secured within a dome forming a cover for said casing, said vertical bore being connected to the intake manifold of the engine and said lateral bore being connected to a source of water supply adapted to trickle slowly on to said flash surface.

1,739,571. STEAM BOARD. HERMAN BETKE, Denver, Colo. Filed Oct. 28, 1927. Serial No. 229,424. 6 Claims. (Cl. 68-9.)



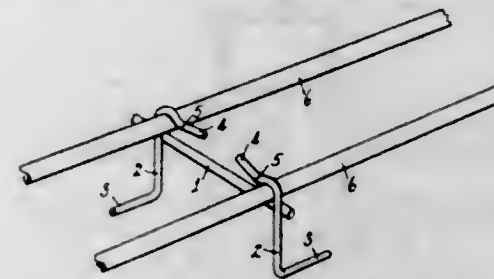
1. A steam board comprising an operating head, spaced, parallel, non-communicating compartments transversely within said head, a perforated shell opening into one of said compartments, a drain and exhaust pipe communicating with said compartment, heating elements within and sealed from said shell, said elements comprising each a tube opening into a second of said compartments and a pipe within said tube and opening at one end into said tube and at the other end into a third of said compartments, a steam line communicating with said third compartment and a steam return pipe communicating with the second of said compartments.

1,739,572. METHOD OF AND APPARATUS FOR FINISHING GLASSINE PAPER. PAUL W. BIDWELL, Holyoke, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a Corporation of Massachusetts. Filed Sept. 10, 1927. Serial No. 220,512. 1 Claim. (Cl. 92-71.)



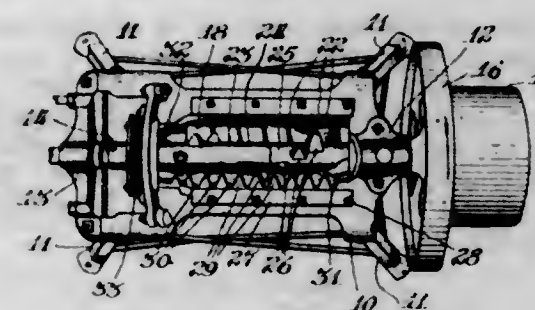
An apparatus for making glassine paper by finishing substantially opaque paper so that it becomes transparent and has a polished surface comprising, a pair of supports and a pair of coating pressure rolls journaled therein, one of said rolls including a substantially rigid hollow metal body for receiving a heating medium, the other including a hollow metal shaft for receiving a cooling medium and a plurality of laminations of fibrous material held in a pressed together relation thereon to form a substantially non-rigid body and provide a yieldable surface to conform to that of said metal roll.

1,739,573. STRUCTURAL UNIT. DEWEY H. BITNEY, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed Nov. 3, 1928. Serial No. 316,933. 4 Claims. (Cl. 72-122.)



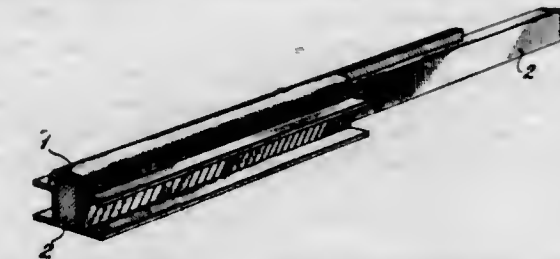
4. A structural unit comprising a longitudinal supporting rod, and a plurality of vertical legs welded to the rod in spaced relation with their upper ends projecting above the rod and having laterally turned portions disposed horizontally of the rod providing yielding reinforce engaging members.

1,739,574. GRAIN GRINDER. JOHN C. BOHMEYER, Kankakee, Ill. Filed Apr. 21, 1927. Serial No. 185,464. 12 Claims. (Cl. 83-14.)



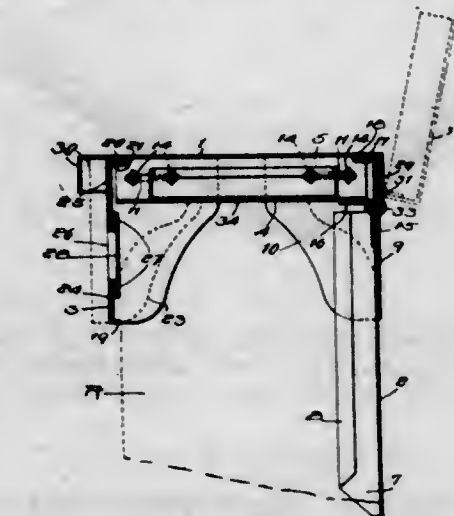
1. In a grinding mill, a device for crushing material comprising a frame, a grinding mechanism mounted on one end of said frame, a rotary crushing member mounted on said frame, a plurality of spirally arranged peripheral teeth formed on said rotary member for crushing and conveying material, a concave mounted on said frame and a plurality of teeth carried by said concave and arranged in position to retard the conveying action of the teeth on said rotary member toward said grinding mechanism.

1,739,575. WINDOW CAME. SYDNEY L. BROWN, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a Corporation of New Jersey. Filed May 24, 1928. Serial No. 280,175. 3 Claims. (Cl. 189-77.)



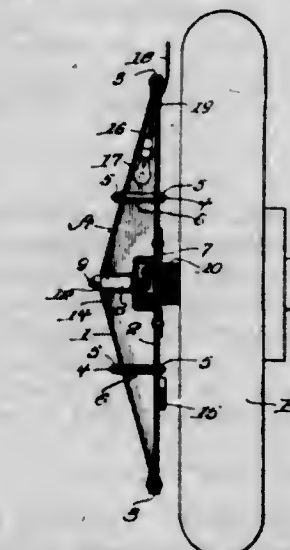
1. A came having a lead body and a non-metallic stiffener of hard and stiff material which cuts about the same as lead incorporated therein.

1,739,576. RADIATOR COVER AND HUMIDIFIER. JOHN E. BURKE, Fond du Lac, Wis. Filed Dec. 19, 1927. Serial No. 241,066. 6 Claims. (Cl. 237-79.)



1. In a radiator cover, the combination of a frame comprising front, rear and side portions, said side portions comprising angle members for supporting a pan thereon, corner pieces secured to said front and rear portions and adapted to be adjustably secured to said angle members, and a cover disposed over said frame.

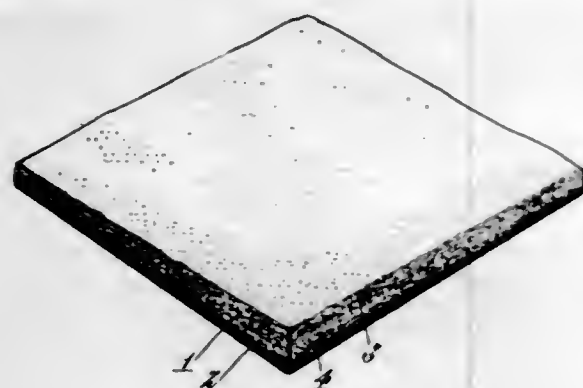
1,739,577. ELECTRIC SIGN. JESUS CANTO, Monterey, Mexico, assignor of one-third to Jesus Martinez, Laredo, Tex., and one-third to Ramufo Lopez, Monterey, Mexico. Filed Aug. 10, 1928. Serial No. 298,858. 1 Claim. (Cl. 40-129.)



A device of the class described comprising front and rear disks connected together, the front disk being of con-

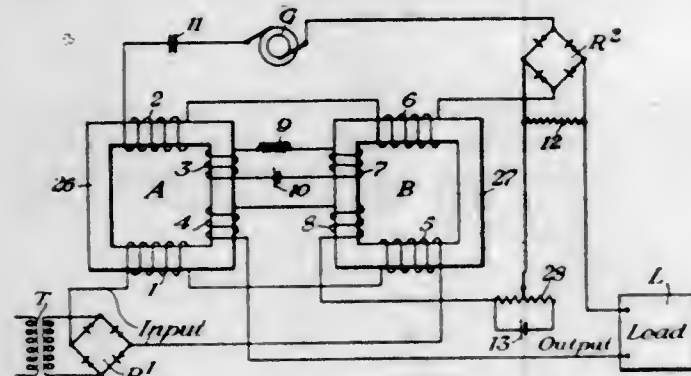
cal shape and the rear disk of flat shape, each disk having a hole at its center, with an inwardly extending flange surrounding the hole of the front disk, a bracket fastened to the rear face of the rear disk and extending into the hole thereof, a bushing formed on the bracket and extending through the flange on the front disk and to which the flange is secured, a shaft fastened to the hub cap of a wheel and passing through the bushing and the bracket whereby the bushing is rotatably supported on the shaft, indicia carried by the device and formed by stenciling the outer disk and illuminating means within the device.

1,739,578. SHOE STIFFENER. ALBERT L. CLAPP, Danvers, Mass., assignor to Beckwith Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 12, 1923. Serial No. 662,223. 16 Claims. (Cl. 91-68.)



1. A shoe stiffener comprising fibrous sheet material having one portion treated with a water soluble stiffening agent only and another portion with thermo-plastic material only.

1,739,579. ELECTRICAL TRANSLATING APPARATUS. PHILIP H. DOWLING, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed June 20, 1928. Serial No. 286,984. 10 Claims. (Cl. 171-119.)

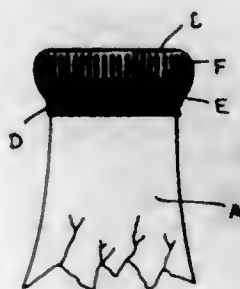


1. Electrical translating apparatus comprising a winding, a first circuit including said winding and a source of current, means for at times varying the impedance of said winding, an output circuit, means for varying the current in said output circuit in accordance with variations in the current in said first circuit, and means responsive to variations in the current in said output circuit for varying the impedance of said winding.

1,739,580. PAPER PRODUCT. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed June 18, 1928. Serial No. 286,485. 21 Claims. (Cl. 92-21.)

1. Paper carrying oxidized wax.

1,739,581. CONTAINER AND HOOD CAP THEREFOR. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed May 3, 1926, Serial No. 106,575. Renewed Dec. 31, 1928. 16 Claims. (Cl. 215-38.)



1. A paper hood cap for bottles containing high-melting point, quick-setting wax uniformly deposited in the fibres thereof and serving as a binder to permit the cap to be firmly molded about the mouth of the bottle without employment of externally applied high-melting point wax.

1,739,582. WATER-RESISTANT PAPER-DISK STOPPER FOR MILK BOTTLES AND THE LIKE. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed May 7, 1926, Serial No. 107,461. Renewed Nov. 15, 1928. 15 Claims. (Cl. 215-51.)

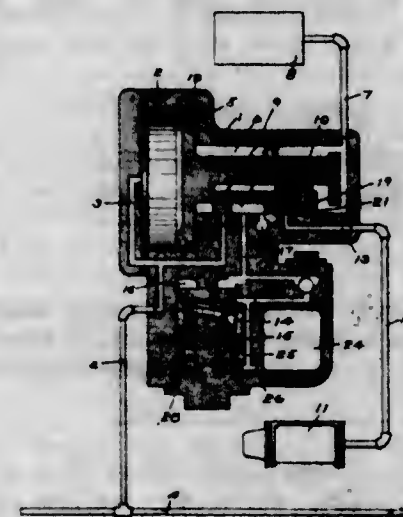


1. A bottle closure disk composed of cellulose fibre and milled paraffin wax dispersed throughout, said disk having a thickness of between thirty and forty points and having edges adapted to engage in firm frictional contact with the side walls of a bottle container adapted to receive said disk in the mouth thereof; whereby the container is firmly stoppered and serves to contain and transport milk and other liquids.

1,739,583. QUICK-SERVICE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1927. Serial No. 238,832. 4 Claims. (Cl. 303-39.)

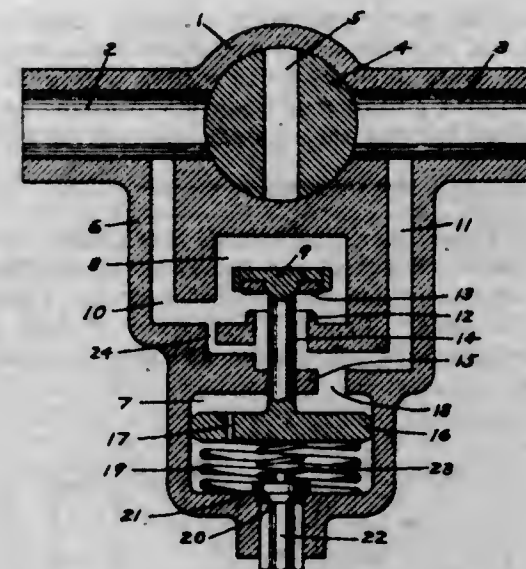
3. In a fluid pressure brake, the combination with a brake pipe, brake cylinder, and a triple valve device operated upon a reduction in brake pipe pressure for supplying fluid under pressure to the brake cylinder, of a piston operated by brake pipe pressure upon movement

of said triple valve device to apply the brakes for opening a large communication from the brake pipe to a chamber,



and a spring acting on said piston and operating said piston upon a predetermined reduction in brake pipe pressure for cutting off said communication.

1,739,584. ANGLE-CKOCK DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 5, 1928. Serial No. 267,504. 4 Claims. (Cl. 303-86.)



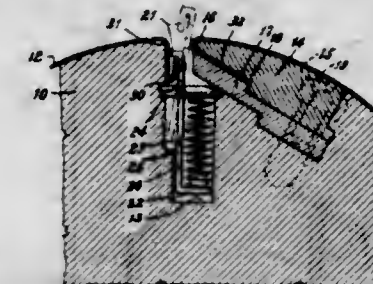
1. An angle cock device comprising a plug cock and having a by-pass around said cock, a valve for controlling communication through said by-pass, a piston subject on one side to the pressure of fluid in said by-pass and having means for permitting equalization of fluid pressure on opposite sides of said piston, and a manually operated valve for venting fluid under pressure from one side of said piston.

1,739,585. PLANOGRAPHIC PRESS. JOHN STUART FLEMING, Toronto, Ontario, Canada, assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed May 18, 1927. Serial No. 192,248. 13 Claims. (Cl. 101-415.1.)

1. In a printing machine, in combination, a printing plate supporting member having a plate supporting surface, a printing plate attaching device including an elongated plate engaging attaching nose adjacent said surface

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and disposed at one side thereof, a fixed seat in the form of a flattened outwardly inclined open slot positioned adjacent said attaching nose and extending rearwardly with reference thereto, said slot being proportioned to

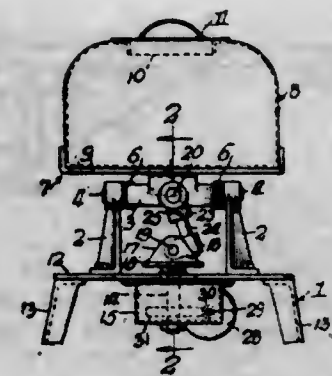


freely receive an edge of a printing plate for retaining it in plate attaching position, separable parts cooperating to form said slot and means for securing said separable parts to said supporting member.

1,739,586. DISINFECTANT, ANTISEPTIC, AND HEALING MEDIUM. OTTO GERNGLOSS, Berlin-Grünwald, and KURT RÜLKE, Charlottenburg, Germany, assignors, by mesne assignments, to Kall-Chemie A. G., Berlin, Germany. Filed Mar. 9, 1925, Serial No. 14,275, and in Germany June 27, 1924. 4 Claims. (Cl. 107-22.)

4. A disinfecting, antiseptic and healing medium comprising at least one organic disinfecting compound and at least one alkali metal thiocyanogen compound.

1,739,587. OSCILLATING DEVICE. LOUIS GREENBERG, Chicago, Ill. Filed July 26, 1923. Serial No. 653,974. Renewed May 10, 1929. 12 Claims. (Cl. 250-75.)

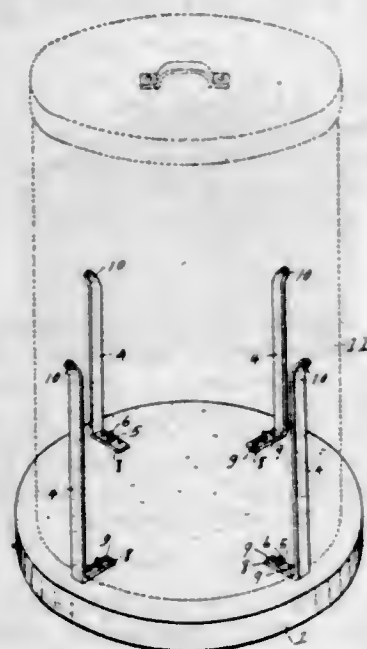


1. In a washing machine, the combination with a support, of a container having pivotal connection with said support on an axis permitting tilting of the container in one plane only, a driving member disposed for rotation in a plane transverse to the plane in which the container is tilted with the axis of rotation of said driving member intersecting the tilting axis of the container, a rod extending between the container and the driving member and permanently inclined to the rotary axis of the latter with the end of the rod at the driving member connected therewith in eccentric relation to its rotary axis, and means pivotally connecting the opposite end of the rod at the container with the same on an axis transverse to and intersecting the tilting axis of the container to effect tilting of the latter in one plane only on the rotation of said driving member.

1,739,588. RECEPTACLE HOLDER. ARTHUR S. GREENE, North Milwaukee, Wis. Filed Oct. 21, 1927. Serial No. 227,767. 1 Claim. (Cl. 248-41.)

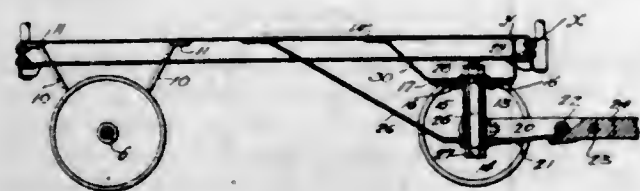
A holder for receptacles comprising a reinforced concrete block having a raised central portion sloping toward the margin of the block, bolts in spaced relation projecting from said block and having their heads embedded

therein, arms extending vertically of said block and provided with feet, and nuts threaded to the projecting ends



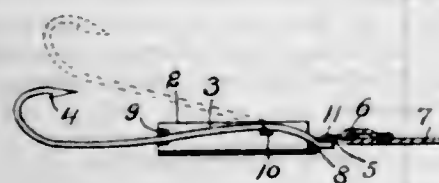
of said bolts and clamping said feet to said block, said feet being adapted to support a receptacle in vertically spaced relation to said central portion of the block.

1,739,589. PLATFORM TRUCK. HOWARD T. HALLOWELL, Jenkintown, Pa., assignor to Standard Pressed Steel Company, Jenkintown, Pa., a Corporation of Pennsylvania. Filed Apr. 9, 1927. Serial No. 182,374. 3 Claims. (Cl. 280—114.)



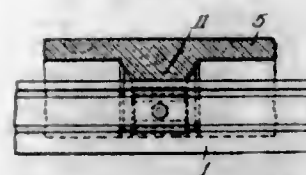
1. The combination in a platform truck, of a platform; a plate located under the forward end of the platform and secured thereto; a brace secured to the platform and extending under the plate; an axle; two flanged plates secured to the axle; a fifth wheel plate secured to the two axle plates, said axle plates and the fifth wheel plate being located between the platform plate and the brace; and a pivot pin carried by the first mentioned plate and brace and extending through the axle and between the axle plates.

1,739,590. FISHHOOK-FASTENING DEVICE. JOHN A. HILL, Kansas City, Mo., assignor of one-third to Merritt H. Shirley, Kansas City, Mo. Filed Oct. 15, 1928. Serial No. 312,427. 6 Claims. (Cl. 43—28.)



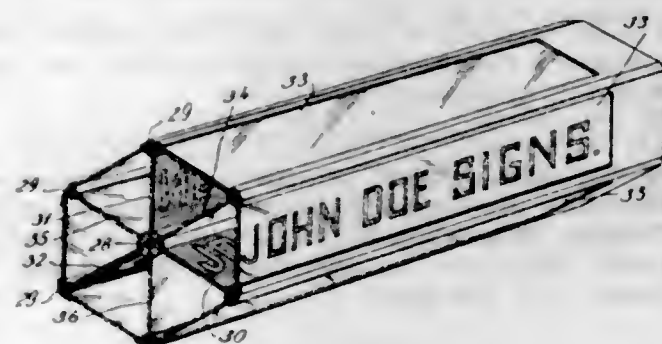
1. In a fishhook fastening device, a member having a bearing, a bent finger, seat, and means for attachment to a fishing line, of a fish hook having a resilient shank releasably engaging said bearing, and releasably held by said finger under tension on said seat.

1,739,591. THIRD-RAIL GUARD. JOHANNES HÖLZEL, Munich, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed June 20, 1927. Serial No. 200,159, and in Germany June 23, 1926. 3 Claims. (Cl. 191—30.)



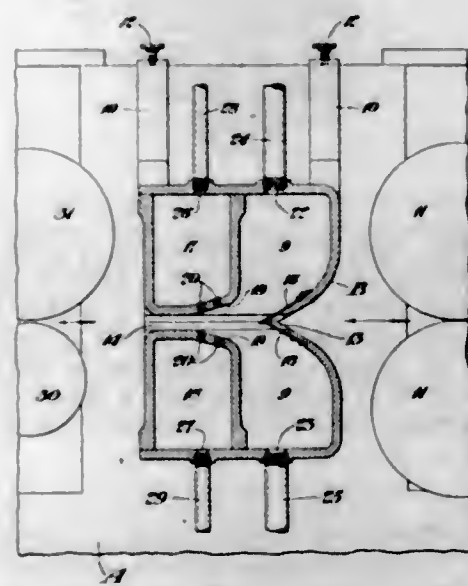
1. A contact rail for electric railways, comprising a rail having exposed contact portion and a mass of wood pulp molded over the unexposed portions of said rail.

1,739,592. SIGN. LAWRENCE H. HYATT, New York, N. Y. Filed Sept. 8, 1928. Serial No. 304,720. 4 Claims. (Cl. 40—77.)



1. A daylight sign comprising a rotary drum carrying a plurality of light receiving and reflecting systems constructed to cause daylight to be visible within the drum in the form of a plurality of designs and means for rotating said drum to bring said designs successively into view.

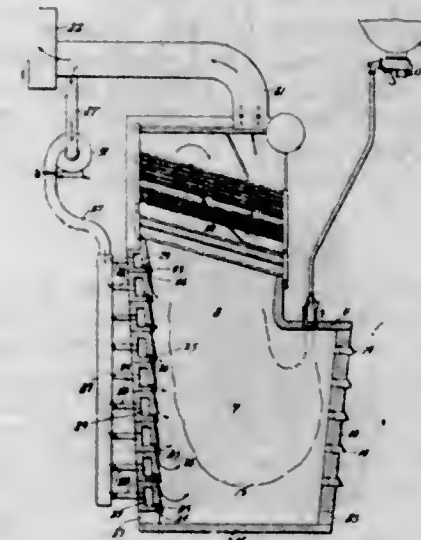
1,739,593. TIN-PLATE-CLEANING MACHINE. CHARLES L. INGLEFIELD, Bellevue, and HENRY H. GILLES, Monessen, Pa., assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 19, 1917. Serial No. 234,394. 1 Claim. (Cl. 15—14.)



In a branning machine for cleaning tin plate, a pneumatic cleaning mechanism mounted adjacent the exit end of said machine, said mechanism including a housing member consisting of bottom, top, end and a rear side wall, upper and lower fluid pressure chambers mounted adja-

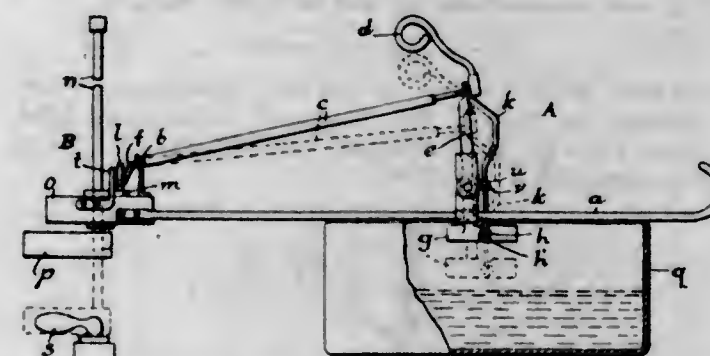
cent the front of said housing member and forming the front side wall thereof, said rear side wall of said housing being provided with a plate inlet opening and said fluid pressure chambers being spaced vertically to form a plate outlet opening through which the plates being cleaned pass, said openings being aligned horizontally, the portion of said housing to the rear of said fluid pressure chambers forming a suction chamber, means for supplying fluid under pressure to said fluid pressure chambers, means for withdrawing air from said suction chamber, said fluid pressure chambers having their adjacent inner edges beveled to form a flared entrance to said outlet opening and said beveled edges being provided with a series of nozzle ports adapted to direct fluid under pressure rearwardly and against both sides of the plates passing through said suction chamber, and a yielding closure for said inlet opening.

1,739,594. FURNACE PROTECTION. GEORGE P. JACKSON, Flushing, N. Y., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Feb. 13, 1924. Serial No. 692,460. Renewed May 9, 1929. 7 Claims. (Cl. 110—28.)



1. The method of lowering furnace temperature and protecting the furnace wall from erosion and slagging, which comprises continually admitting and maintaining a film of inert cooling medium thereover.

1,739,595. AUTOMATIC GAS-TAP CONTROL. CHARLES AMI JACOT, La Chaux-de-Fonds, Switzerland. Filed Feb. 23, 1928. Serial No. 256,281, and in Germany Dec. 20, 1927. 5 Claims. (Cl. 126—351.)



1. An automatic gas tap controlling device comprising an elongated frame, a rotatable, spring-controlled rod supported at one end of the same, means for connecting said rod operatively with the gas tap, a spring co-operating with said rod, a crank mechanism for turning said rod in opposition to said spring, a thermodynamic retaining element supported at the opposite end of the frame, and an arresting rod adapted to be moved by said crank mechanism into engagement with the retaining element when the tap operating rod is tensioned, the retaining element being normally engaging the arresting rod to hold said tap open and to release the operating rod on attaining a given temperature to permit said spring to close the tap.

1,739,596. ELECTRICAL SWITCH. RICHARD WARD JOLLY, Wimbledon, London, England, assignor, by direct and mesne assignments, to British Electric Meters, Limited, London, England. Filed Feb. 9, 1927. Serial No. 167,028, and in Great Britain Apr. 10, 1926. 7 Claims. (Cl. 194—72.)

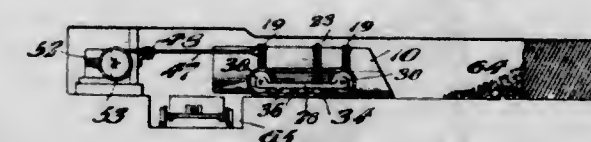


1. In combination in a coin-free prepayment electricity meter, a quick-make electric switch; means for closing said switch; a manually-operable member rotatable through a certain arc; and means carried by said member and rendered operative on insertion of a coin for actuating said switch-closing means, said means being operative through only a portion of said arc.

1,739,597. INDURATED POROUS OBJECT AND PROCESS FOR MAKING SAME. JOHN J. KESSLER, St. Louis, Mo. Filed Sept. 24, 1928. Serial No. 308,130. 8 Claims. (Cl. 91—70.)

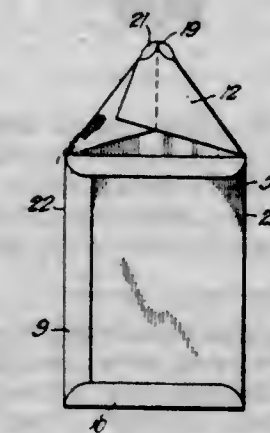
1. The process of indurating porous objects which comprises the saturation of the object with a drying and polymerizing oil prepared by the action of chemical bodies having a mobile methylene group upon tar fractions having a boiling range between 150° C. and 250° C.

1,739,598. MATERIAL-HANDLING APPARATUS. DAVID R. KNAPP, Philadelphia, Pa. Filed Aug. 6, 1927. Serial No. 211,119. 8 Claims. (Cl. 198—9.)



8. A material handling apparatus comprising a vehicle, a drum mounted on said vehicle for rotary movement, said drum being closed at one end and open at the other end, a control door for the closed end of said drum, the open end of said drum being formed with a cutting edge, a helical member fixed within said drum, and means to rotate said drum.

1,739,599. SEED CONTAINER AND DISPENSER. WILLIAM F. KOLLMAN, Westgate, Iowa. Filed Oct. 17, 1927. Serial No. 226,743. 6 Claims. (Cl. 229—53.)



1. A seed container comprising a body portion having opposed side walls secured together along certain edges to provide a seed retaining pocket, one of said walls projecting beyond the other and provided with side portions extending inwardly toward each other and secured together

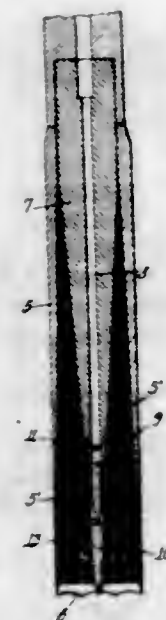
to form a tubular dispensing channel portion, said channel portion being provided with an opening at the outer end through which the contents of the package may be discharged, said channel portion also being foldable into said seed retaining pocket.

1,739,600. APPARATUS FOR PRODUCING VARIATIONS OF PRESSURE. WILLIAM ARTHUR LOTH, Paris, France. Filed July 6, 1927, Serial No. 203,563, and in France July 9, 1926. 2 Claims. (Cl. 230-92.)



1. In an apparatus for producing variations in the pressure of fluids, the combination of a convergent nozzle adapted to be connected to a source of fluid under pressure, a nozzle of any kind placed behind the said convergent nozzle, and having a very large inlet opening relatively to the outlet opening of the said convergent nozzle and a suction chamber containing the said nozzles, the said convergent nozzle being for the purpose specified provided with means adapted to cause the fluid passing through the same to make a rotary motion about its axis, substantially as described.

1,739,601. GRAPPLE. WILBUR NOAH MARELE, Shreveport, La., assignor of one-half to Bert C. Oldham, Shreveport, La. Filed July 16, 1928. Serial No. 293,225. 5 Claims. (Cl. 294-86.)

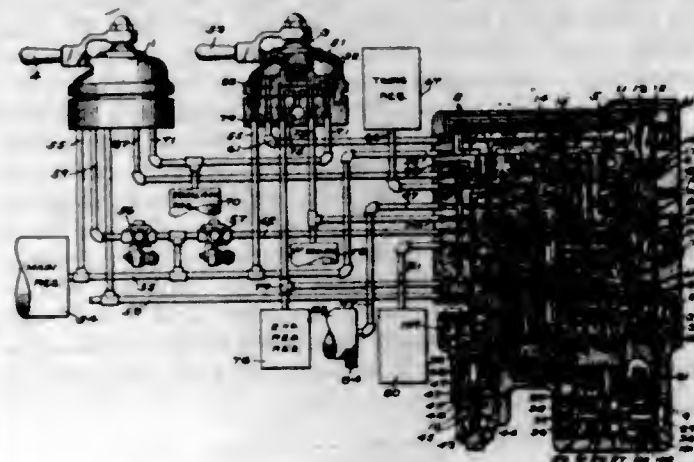


1. A fishing tool including a lower hollow section, an inner tapered section fitted within the hollow section, said sections having cooperating threads to cut threads into an article engaged by the tool, and a threaded pointed member removably held within the lower end of the inner section.

1,739,602. SPLIT REDUCTION DEVICE. JOSEPH C. McCUNE, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 23, 1927. Serial No. 207,983. 16 Claims. (Cl. 303-18.)

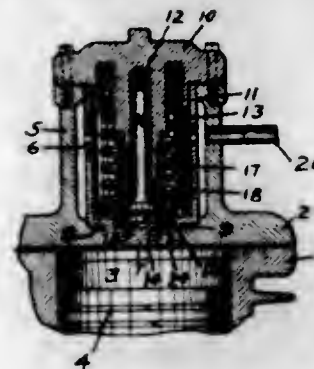
8. In a fluid pressure brake, the combination with a brake pipe, of an engineer's brake valve having a position in which fluid under pressure is supplied to the brake pipe, an equalizing reservoir, a reduction in pressure in which is adapted to effect a reduction in brake pipe pressure, a

first reduction reservoir, a second reduction reservoir, a manually operated valve for connecting the first reduction



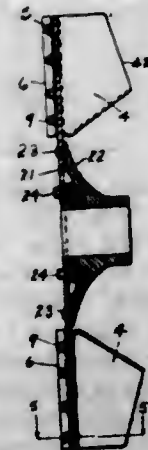
reservoir to said equalizing reservoir, and means controlled by said manually operated valve for connecting the second reduction reservoir to said equalizing reservoir.

1,739,603. COMPRESSOR VALVE. JOSEPH C. McCUNE, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 28, 1927. Serial No. 229,392. 5 Claims. (Cl. 230-228.)



1. The combination in a fluid compressor having a cylinder, of a valve seat member, a discharge valve normally seated on said valve seat member and adapted to be unseated to discharge fluid under pressure from said cylinder, a spring adapted to cooperate with said valve to move it toward its seated position, a seat for said spring movable with said valve and adapted to come to rest on said valve seat member before said valve is seated, and a spring extending through said seat for seating said valve when said spring seat comes to rest on said valve seat member.

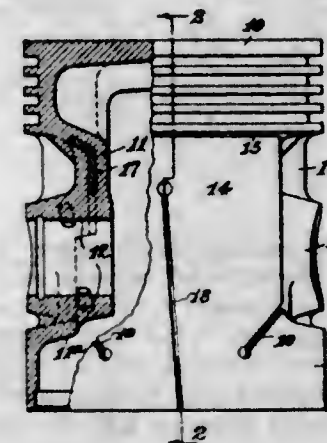
1,739,604. FAN. LEWIS O. MONROE, Kalamazoo, Mich., assignor to Clarage Fan Company, Kalamazoo, Mich. Filed Feb. 14, 1927. Serial No. 168,042. 3 Claims. (Cl. 230-134.)



1. The combination of a volute with intake at the side, a fan comprising a flat circular plate with a conical hub

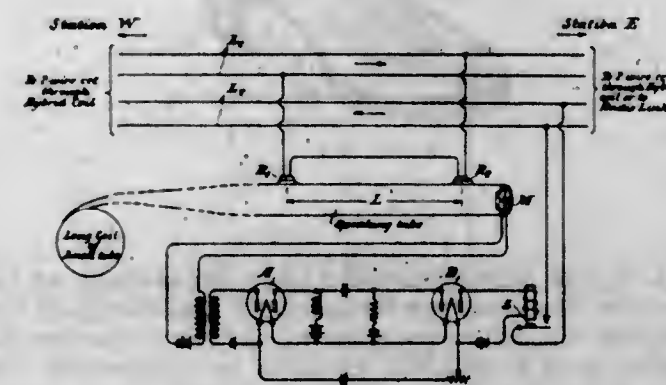
block therefor, to the flat side of which conical hub block the circular plate is secured, fan blades with oblique flanges suitably secured thereto by countersunk connecting bolts, the inner ends of the said fan blades being broad at the central part and with forwardly projecting flanges protecting the said connections, a flanged bar on the back of the disk to cause circulation for protecting the nuts, as specified.

1,739,605. PISTON. ADOLPH L. NELSON, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Filed Nov. 5, 1927, Serial No. 231,170. Renewed Jan. 17, 1929. 8 Claims. (Cl. 74-108.)



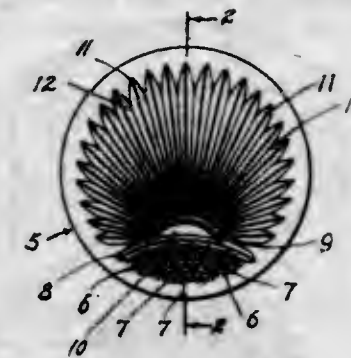
1. A piston comprising a head, piers depending from the head, a skirt connected to the lower ends of the piers, said skirt including a lower annular portion and tongues extending upwardly from the annular portion, the tongues being separated from the piers by openings, the skirt being formed with slots extending into the skirt from the lower end of two of the openings, and one of the tongues being formed with a slot extending upwardly from the lower edge of the skirt.

1,739,606. ECHO SUPPRESSOR. HARRY NYQUIST, Milburn, and KENNETH W. PFLEGER, Arlington, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 11, 1927, Serial No. 225,571. Renewed Aug. 31, 1928. 8 Claims. (Cl. 178-44.)



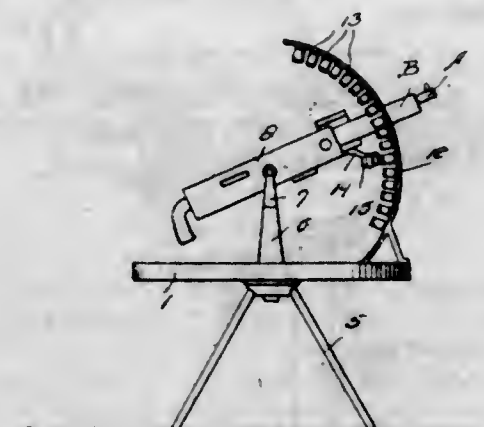
1. In association with two telephone lines adapted for transmission in opposite directions, controlling means responsive to currents in one of said lines, switching means controlled thereby for disabling the opposite line, a speaking tube, means for converting the electric waves in the said one of the telephone lines into sound waves in said speaking tube, and means for converting the sound waves in said speaking tube into electric waves in the input of said controlling means, said converting means being so arranged and positioned with respect to said speaking tube that waves of one or more given frequencies and the harmonics thereof are cancelled and have no effect on said controlling means.

1,739,607. SPECIAL CUT LENS. ANTON J. OBERG and ROBERT R. STOFEN, Los Angeles, Calif. Filed Jan. 24, 1928. Serial No. 249,088. 3 Claims. (Cl. 88-24.)



1. A lens having a convex surface provided with a plurality of indentations cut therein occupying a definite restricted area thereof and arranged harmoniously with relation to each other to produce an ornamental image when rays of light are directed through the lens, and another area provided with elongated indentations constructed and arranged to form on the screen a halo in symmetrical relation to the first recited area.

1,739,608. ELECTRICAL REMOTE CONTROL FOR ORDNANCE. GEORGE GRANT OELKE, Blue Earth, Minn. Filed Jan. 20, 1928. Serial No. 248,167. 2 Claims. (Cl. 89-41.)



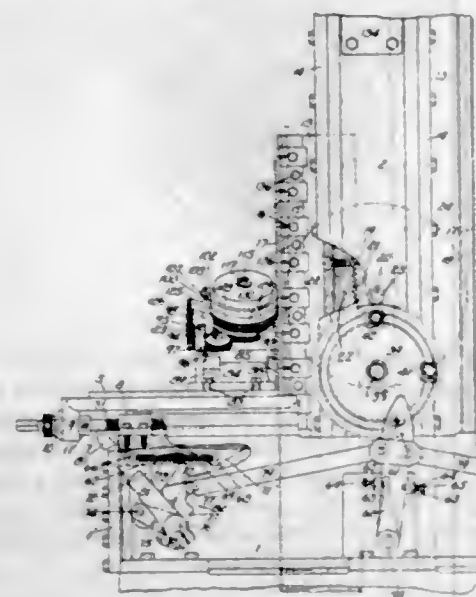
1. In a remote control for guns, a support, an annulus arranged in association with said support, a multiplicity of electro-magnetic units arranged in spaced alignment at the inner side of said annulus, said support being provided with means for swivelly supporting a gun, means carried by the gun in proper magnetic relation with the magnetic units, and means for energizing the coils successively for attracting the means carried by the gun.

1,739,609. MACHINE FOR BROACHING SPIRAL GEARS. JULIAN L. PERKINS and HIRAM D. CROFT, Springfield, Mass., assignors to Perkins Machine and Gear Company, Springfield, Mass., a Corporation of Massachusetts. Filed May 4, 1927. Serial No. 188,765. 45 Claims. (Cl. 90-9.)

1. In a machine of the class described, a frame and a column, tool-carrying rams sliding on said column, workholder carriages mounted on said frame to move in a straight line toward and away from said column, constantly-operating reciprocating mechanism for said rams, and intermittently-operating mechanism to reciprocate said carriages, whereby first one and then the other carriage is caused to approach the associated ram and stop, and the companion carriage is caused to recede and stop.

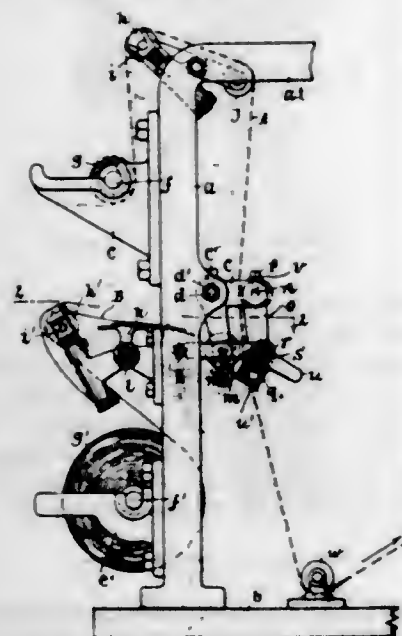
45. The combination, in a machine of the class described, with a frame and a column, a carriage on said frame, a ram slidably arranged on said column, a broach

carried by said ram, driving mechanism for said ram, reversing mechanism for said driving mechanism, and actuating means for said carriage, said actuating means being intermittently operated by said driving mechanism, and said reversing mechanism and said actuating means being timed to cause the former to operate after the latter



has begun to operate, of a support on said carriage, a slide arranged at an incline on said support, and provided with work-holding means, work-rotating means, and indexing means, and means operated from said ram to actuate said work-rotating means while said broach is making its cut, and to actuate said indexing means after said broach has made said cut.

1,739,610. WEB-JOINING APPARATUS. JAMES T. PETO, Ridgewood, N. J. Filed Mar. 6, 1925. Serial No. 13,513. 5 Claims. (Cl. 242-58.)

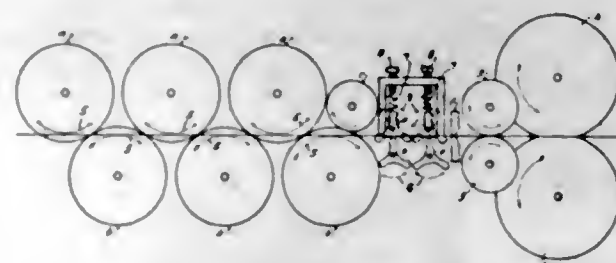


3. In a web joining apparatus, the combination of supporting means, a pair of web pressing means therein, one being arranged laterally of the other and including a link structure pivotally pendent in the first structure and a roller revoluble in the link structure, and means, supported independently of the link structure, to shift the first pressing means toward and from the other pressing means.

1,739,611. DECORTICATING MACHINE. WILLIAM HENRY RICHARDSON, Parras, Mexico. Filed July 7, 1928. Serial No. 291,056, and in Mexico July 11, 1927. 1 Claim. (Cl. 19-30.)

A decortivating machine including upper and lower sets of cylinders adapted to receive therebetween the ma-

terial to be treated, the axes of the upper and lower cylinders being staggered, upper and lower rotary scrapers arranged to receive the material leaving said cylinders and each including a plurality of scraping blades, a gripping and guiding cylinder of less diameter than the first mentioned cylinders cooperating with the first mentioned



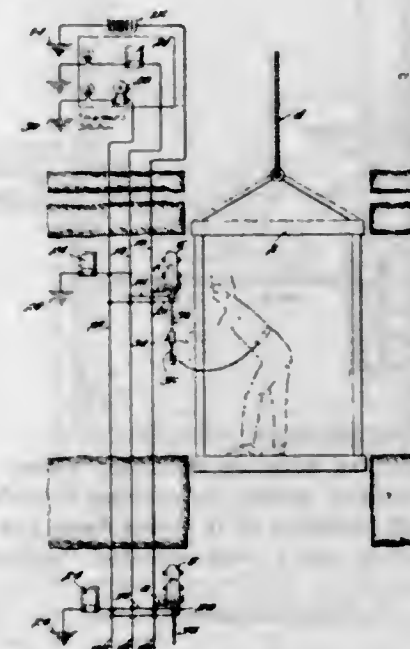
cylinder disposed nearest the scrapers thereby to cause introduction of the material between said scrapers, non-rotatable cleaning elements arranged adjacent the rotary scrapers and behind the latter with respect to the direction of travel of the material, rotatable delivery elements, and rotatable gripping and feeding elements interposed between the cleaning elements and the delivery elements.

1,739,612. METHOD OF MAKING OVERSHOES. RALPH E. RILEY, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 8, 1928. Serial No. 311,096. 14 Claims. (Cl. 12-142.)



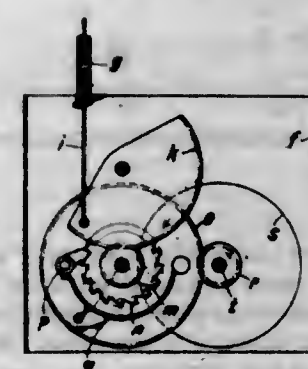
11. In the manufacture of a shoe substantially of the character described, the formation of a substantially flat assembly adapted to be applied to the last of the shoe, involving steps as follows: providing in substantially flat form a unit for forming the toe portion, vamp, upper, and heel portions of the shoe, the unit consisting of a thin sheet of rubber and a counterpart elastic fabric lining sheet in adhering face to face contact, providing a vent opening substantially at the middle of the upper portion of the unit so formed, effecting adhering contact between a marginal edge portion of a tongue strip and a marginal edge portion of the rubber sheet contiguous an edge of said vent opening, forming adhering contact between the stringers of a slide fastener and the marginal edge portions of said rubber sheet contiguous the vent opening therein, and effecting adhering contact between marginal edge portions of a covering strip and said rubber sheet, parallel and contiguous to the outside edges of the stringers.

1,739,613. MINE-HOIST SIGNAL SYSTEM AND SWITCH. MERRELL W. RUSSEY, Los Angeles, Calif., assignor to United States Smelting, Refining & Mining Company, Portland, Me., a Corporation of Maine. Filed May 27, 1924. Serial No. 716,135. 10 Claims. (Cl. 177-336.)



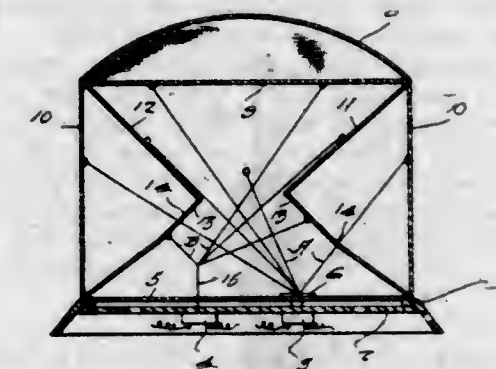
1. A mine hoist signal system comprising a cage call circuit, a cage moving signal circuit, a manually operable signal switch at each level normally in the call circuit, and means connected with each switch and under the control of the cage tender for cutting that switch out of the call circuit and including it in the cage moving signal circuit.

1,739,614. RUNNING TOY FIGURE. EMIL SCHLIEDERER, Nuremberg, Germany, assignor to the Firm Bing-Werke, vorm. Gebr. Bing A. G., Nuremberg, Germany. Filed July 9, 1928. Serial No. 291,421, and in Germany Dec. 20, 1927. 2 Claims. (Cl. 46-45.)



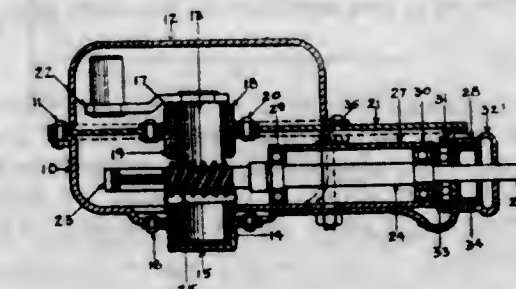
1. A running toy figure comprising a driving axle, running wheels mounted on the driving axle, mechanism for rotating said running wheels and a Bowden cable connected to the toy figure for communicating power to said mechanism, and serving at the same time as a lead, said mechanism comprising an oscillably mounted toothed segment adapted to be oscillated by the Bowden cable, a toothed pinion meshing with the toothed segment, a one way ratchet gear and a flywheel operatively connected to said toothed pinion and said running wheels for producing a continuous rotary motion of the running wheels from the toothed segment.

1,739,615. RADIO LOUD-SPEAKER. PAUL P. SCHROEDER, Greenwich, Conn., assignor of one-tenth to William C. Strong, Greenwich, Conn. Filed Aug. 29, 1927. Serial No. 216,191. 6 Claims. (Cl. 181-31.)



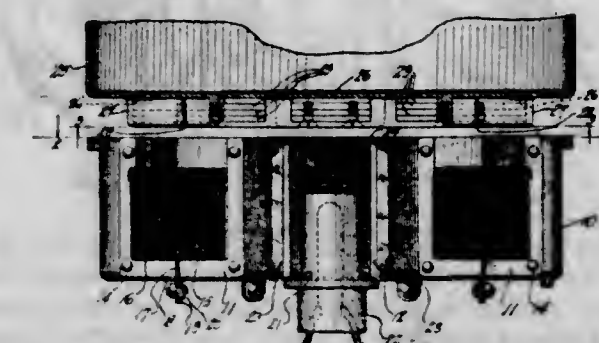
2. In a sound reproducing device of the character described, a plurality of diaphragms arranged in box like formation, inwardly converging diaphragms of a distinct resonant value arranged within the area surrounded by the aforementioned diaphragms, and independent actuating means for the respective groups of diaphragms.

1,739,616. GEAR HOUSING FOR WASHING MACHINES. SIMON E. SCHROEDER, Newton, Iowa, assignor, by mesne assignments, to Automatic Washer Company, Inc., Newton, Iowa, a Corporation of Delaware. Filed Jan. 20, 1928. Serial No. 248,052. 4 Claims. (Cl. 74-56.)



4. In a device of the class described, including a housing, a worm gear disposed therein, a worm, supporting means for holding the worm in a meshed relationship with the worm gear, including a worm shaft on one end of which the worm is mounted, supporting means for the worm shaft including a tubular member and roller bearings disposed within the tubular member and supporting the worm shaft, and means for holding the tubular member securely within the housing but permitting sufficient adjustment to insure proper meshing of the worm with the worm gear.

1,739,617. INDUCTION HEATER. HAROLD N. SHAW, Milwaukee, Wis. Filed July 30, 1928. Serial No. 296,235. 14 Claims. (Cl. 219-47.)



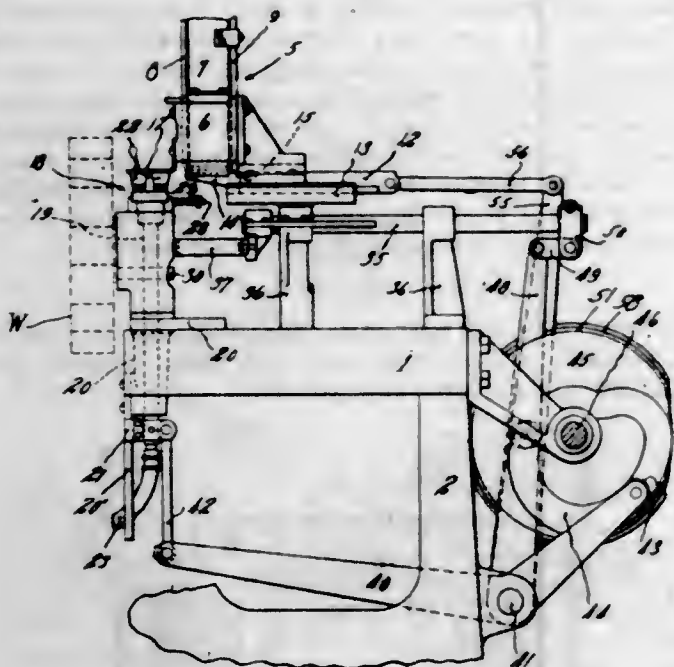
1. An electrical heating device comprising a primary coil connectible with a source of electrical supply, a secondary circuit forming a heating element, and a magnetic circuit, said magnetic circuit including U-shaped members and armature members insertable between said U-shaped members, so as to leave an air gap between the ends of said armature members and the U-shaped members.

1,739,618. WEAR-HOOK BUCKLE ATTACHMENT. WILLARD A. SINKLER, Ada, Kans. Filed Oct. 22, 1928. Serial No. 314,076. 3 Claims. (Cl. 24-183.)



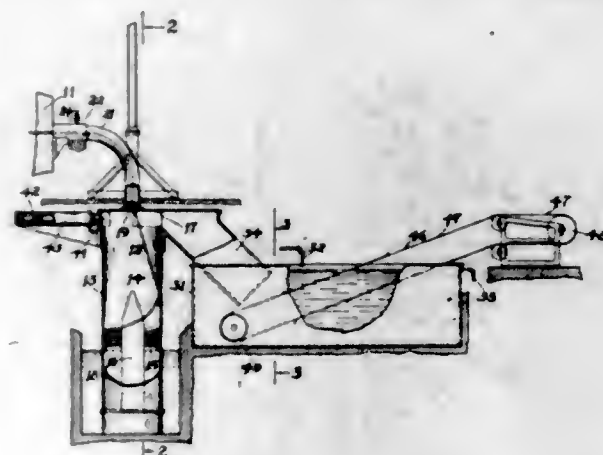
1. In a device of the character described, a casting comprising a solid central ellipsoidal body portion tapering into an integral hook and a plurality of loop members on each side thereof, the loop members on one side being further apart than the loop members on the other side.

1,739,619. APPARATUS FOR SETTING UP CARTONS. ELMER L. SMITH, Longmeadow, and ARTHUR E. PHILON, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass., a Corporation of Massachusetts. Filed Dec. 2, 1927. Serial No. 237,316. 5 Claims. (Cl. 93-36.)



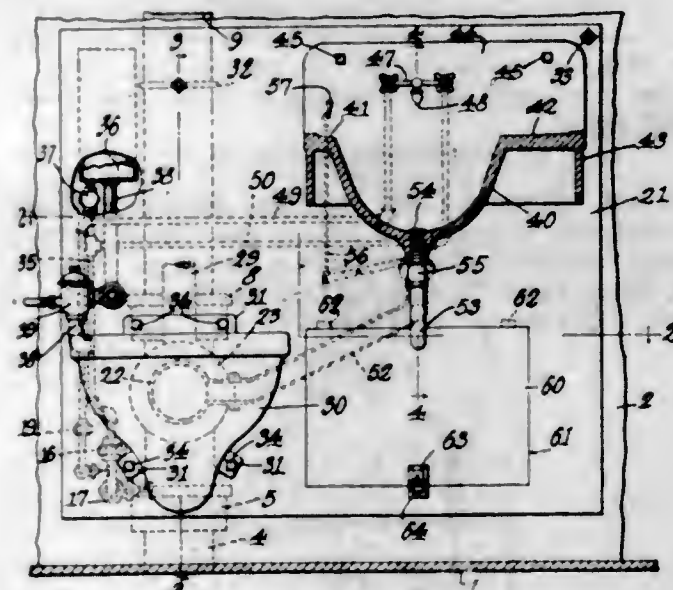
2. The combination in apparatus for setting up folded cartons of a magazine for a stack of cartons, a reciprocable pusher for removing an endmost carton of said stack, a plate, a transferring device for engaging a carton carried by said pusher adapted to force the carton against said plate, engage the carton and move the same into said chute, and means cooperating therewith to open up said carton as it enters into said chute.

1,739,620. METAL COILING APPARATUS. DAVID L. SUMMEY, Waterbury, Conn. Filed May 24, 1928. Serial No. 280,149. 5 Claims. (Cl. 207-1.)



1. In combination with an extrusion press, a substantially closed chamber, means for causing extruded stock to be coiled in said chamber as it comes from the press, and means for setting up a non-oxidizing medium in said chamber.

1,739,621. PLUMBING FIXTURE. RALPH W. WALLACE, Johnstown, Pa. Filed Mar. 10, 1928. Serial No. 260,621. 1 Claim. (Cl. 4-3.)

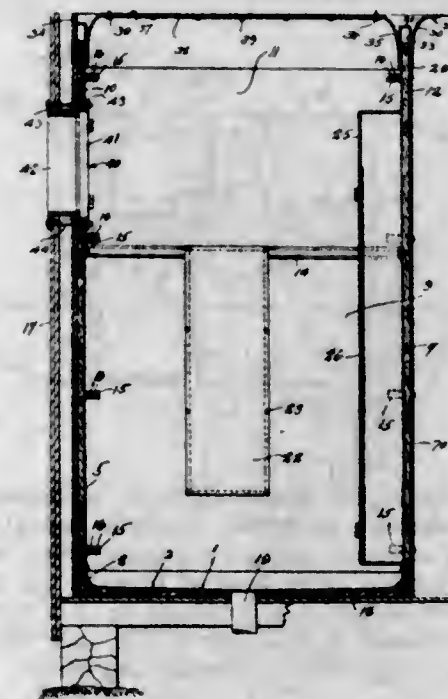


A plumbing fixture adapted for use in a building which has a floor, and a wall provided with an opening: the plumbing fixture embodying a panel, a toilet appliance supported solely by the panel, a pipe connected to the toilet appliance and extended through the panel, a closure mounted on the panel, the closure being spaced from the pipe and being movable to give access to that part of the pipe that is behind the panel, and means for securing the panel to the wall, over the opening therein, independently of the floor, and with the toilet fixture spaced from the wall and the floor.

1,739,622. TOILET CABINET. RALPH W. WALLACE, Johnstown, Pa. Filed Sept. 17, 1928. Serial No. 306,446. 3 Claims. (Cl. 189-84.)

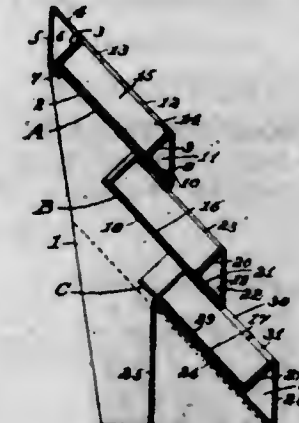
1. A toilet cabinet comprising side walls, and an inverted trough shaped socket adjustable for adjustment on the upper edges of the side walls, the socket having an inwardly extended over-hanging flange provided with an

opening, a closure for the opening, and securing elements engaged with the closure and extended beyond the flange,



into engagement with the ceiling of a room, thereby to hold the closure, the socket, and the flange against downward movement.

1,739,623. DISPLAY AND SHIPPING DEVICE. MELVIN L. WEBSTER, Independence, Iowa. Filed Mar. 15, 1928. Serial No. 261,812. 1 Claim. (Cl. 206-45.)



In a device of the character described, spaced side standards, and a plurality of elements secured therebetween in superposed stepped relation and shaped to provide open top containers for removably fitting receptacles, the uppermost element having front and rear reinforced walls, and the elements below having reinforced front walls and being open at the rear to receive and discharge fitting receptacles therefor, the forward parts of the lower elements as containers opening upwardly in advance of each other and the uppermost container for display of goods mounted in the containers and removable receptacles fitted in said containers.

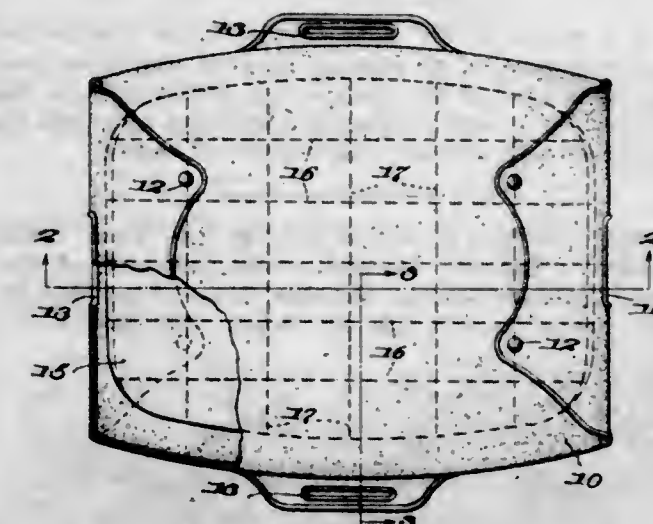
1,739,624. LOADING MACHINE. DAVID WHAMOND, Kittanning, Pa. Filed June 4, 1927. Serial No. 196,412. 16 Claims. (Cl. 214-90.)



1. In a loading machine, a transfer truck, a main frame mounted on the truck, a supplemental frame pivotally

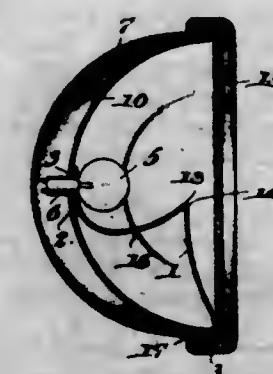
mounted on the main frame at the forward end of the machine, a shovel pivotally mounted on the supplemental frame, an intermittently driven conveyor on the supplemental frame, pneumatically operable means for simultaneously elevating the supplemental frame and shovel, including a lever pivotally mounted on the supplemental frame, power means projecting from the main frame and connected with said lever, and a connection between said lever and the main frame above the power means, means for effecting an elevation of the shovel relatively to the conveyor during the simultaneous elevation of the supplemental frame and shovel to direct material from the shovel onto the conveyor, and means for intermittently driving the conveyor.

1,739,625. THERAPEUTICAL DEVICE. EDGAR WOLTERS, Hamburg, Germany. Filed June 6, 1928. Serial No. 283,283. 2 Claims. (Cl. 128-258.)



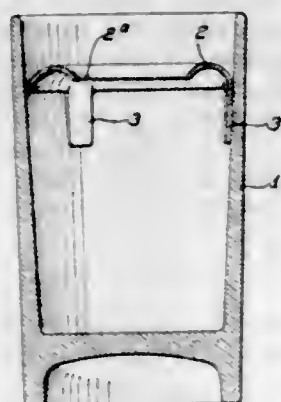
1. A therapeutic device, comprising a comparatively thin container adapted to contain a liquid to be frozen and a plurality of intersecting walls in said container, said walls having apertures therein at points spaced from one side of the container, thereby forming a plurality of communicating compartments each adapted to hold separately a quantity of the liquid.

1,739,626. NONGLARE SHIELD FOR HEADLIGHTS. HORACE BERTON AULT, Morristown, Tenn. Filed Dec. 31, 1927. Serial No. 243,883. 2 Claims. (Cl. 240-48.6.)



1. An attachable and detachable non-glare shield for automobile headlights, comprising a single strip of flat material bent or folded intermediate its ends to provide an upper part which is concaved on its upper face so that said face will throw the rays of light upwardly against the upper part of the headlight reflector when the shield is in position on the headlight, and a lower part joined to the front edge of the upper part along the line on which the strip is bent or folded, the opposite ends of said shield being formed for engagement by the headlight itself without requiring special fastening means, when the shield is in position in a headlight.

- 1,739,627. ANTISPLASH DEVICE FOR DRINKING CUPS AND THE LIKE. DWIGHT E. AUSTIN, Los Angeles, Calif. Filed Apr. 18, 1927. Serial No. 184,465. 5 Claims. (Cl. 65-13.)



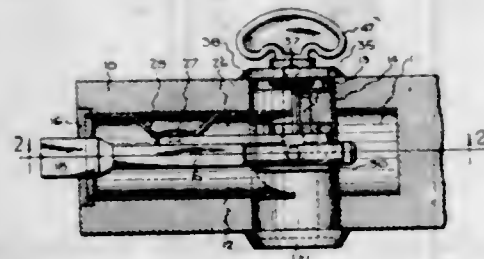
1. In a device of the class described, the combination with a receptacle, of an annular member removably positioned within and at the open end of said receptacle, the middle portion of said annular member being open, and the under side of said member being cupped outwardly.

- 1,739,628. BICYCLE, VELOCIPEDE, OR THE LIKE. DELOSS C. BEMONT, Meriden, Conn., assignor of one-third to Edward Bemont, Meriden, Conn. Filed Mar. 25, 1927. Serial No. 178,410. 30 Claims. (Cl. 208-23.)



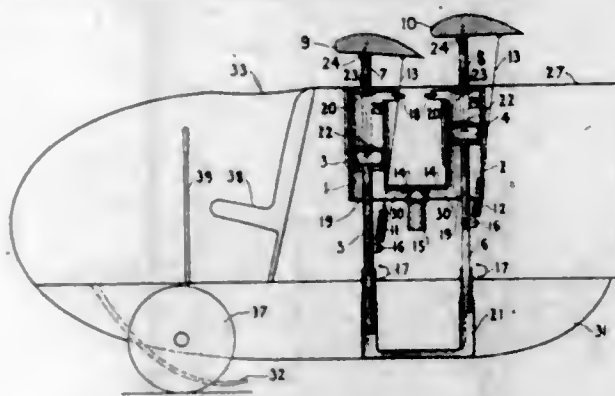
1. A propulsion mechanism for bicycles or the like comprising a power member located between the ground wheels and rotatable in the same direction as the latter, mechanism for driving said power member disposed coaxially with said member, and actuating means for said driving mechanism including a plurality of independently movable foot levers below said member.

- 1,739,629. MORTISE DEAD LOCK. FRANK ELLISON BEST and FREDERICK POWELL, Seattle, Wash.; said Powell assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Oct. 2, 1924. Serial No. 741,172. 6 Claims. (Cl. 70-46.)



1. In a door lock of the class described a latch bolt, a rotatably mounted member arranged to engage with and move said latch bolt, a thumb turn on one side of the door, arranged to turn said rotatably mounted member, and a key operated lock on the other side of the door having throw means arranged to turn said latch bolt operating member when it is set in one position but inoperative to turn said latch bolt operating member when it is set in another position.

- 1,739,630. FLYING MACHINE. WILLIAM STELZER, Chicago, Ill. Filed Dec. 17, 1927. Serial No. 240,798. 8 Claims. (Cl. 244-11.)

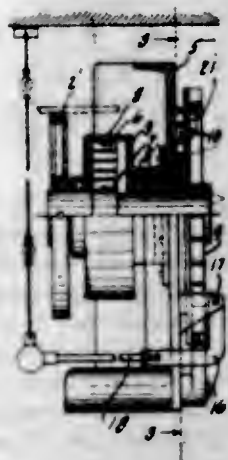


1. In aircraft, the combination of a fuselage, a reciprocating element, an airfoil pivotally mounted to said reciprocating element, the pivotal axis about which said airfoil is rotatable being located forward of the line of action of the resultant air force, spring means to impress a pitching moment on the said airfoil, and means to reciprocate said reciprocating element and airfoil.

- 1,739,631. LUBRICATING COMPOSITION. ROY CROSS, Kansas City, Mo., assignor, by mesne assignments, to Silica Products Co., Kansas City, Mo., a Corporation of Delaware. Filed Mar. 28, 1924. Serial No. 702,581. 2 Claims. (Cl. 87-9.)

1. A material for lubricating purposes consisting of a petroleum oil jellied by dissolved metallic soap to which has been added a solid lubricant and a water jelly of hydrated bentonite.

- 1,739,632. FIRE-DOOR-CONTROLLING MECHANISM. GEORGE WARREN DREW, Oakland, Calif. Filed May 28, 1927. Serial No. 195,014. 6 Claims. (Cl. 189-58.)

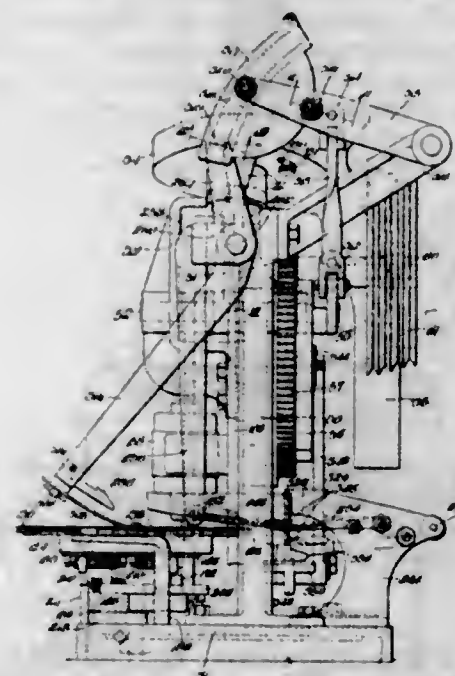


1. In a fire door controlling mechanism, a drum, a spindle rotatable in said drum and adapted to roll and unroll the fire door, a spring securing said spindle to said drum, means to wind said spring, means to limit the unwinding of said spring when the fire door is lowered and to retain sufficient tension therein to aid in raising the same.

- 1,739,633. WRAPPING MACHINE. ANALDO M. ENGLISH, Brookline, Mass., assignor, by mesne assignments, to Pneumatic Scale Corporation, Limited, Quincy, Mass., a Corporation of Massachusetts. Filed June 20, 1923. Serial No. 646,574. 31 Claims. (Cl. 93-3.)

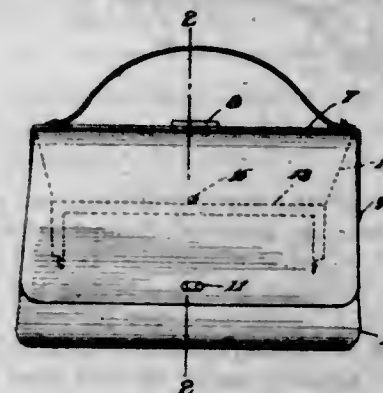
1. A machine for wrapping loose material having, in combination, a rotatable turret, a plurality of wrapper

clamping devices on the turret, means for feeding a flat wrapper over one of the clamping devices, means for depressing the wrapper into the clamping device to receive a predetermined charge of material to be wrapped, means



for closing the clamping device about the wrapper to form a bag in which the material is retained, and means for rotating the turret to bring successive clamping devices into position to receive the material.

- 1,739,634. BAG. WILLIAM FRIEDMAN, New York, N. Y. Filed June 4, 1927. Serial No. 196,491. 2 Claims. (Cl. 150-36.)

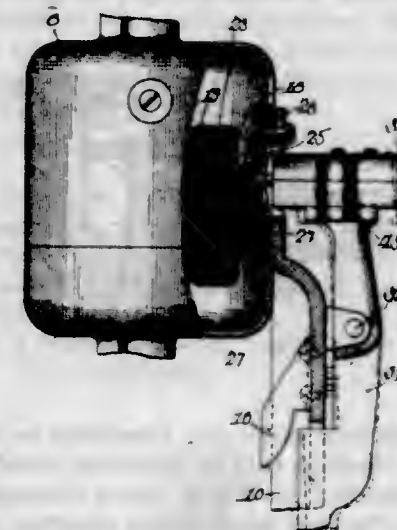


1. A bag of the character described comprising a body portion having a plurality of compartments accessible through one side of the said bag, a flap covering the side of said bag to which access is had to the compartments, and a false frame exposed on the outside of said bag and flap so as to appear that access to the bag is by opening said frame.

- 1,739,635. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Feb. 8, 1923. Serial No. 617,661. 23 Claims. (Cl. 259-135.)

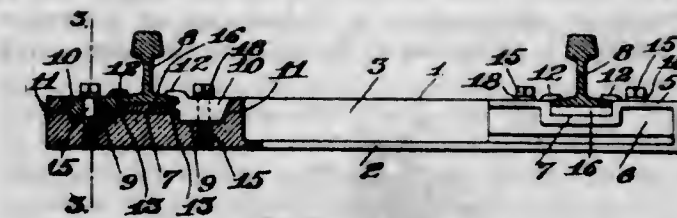
1. In an electric drink mixer, the combination of a support, an electric motor secured to said support and adapted for driving a downwardly extending agitator, terminal-contacts carried by the motor, direct electric connections between said contacts and the field windings of the motor, a movable switch carried by the support for

controlling the operation of the motor comprising members to engage said terminal contacts and separable therefrom, and supply conductors from a source of energy leading



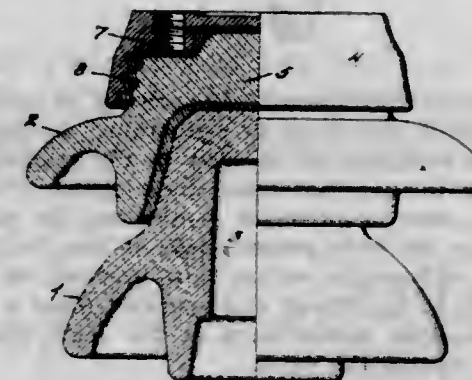
ing directly to the switch-members respectively, the motor and its contents being removable from the support by separation at the switch members.

- 1,739,636. RAILWAY STRUCTURE. CHARLES J. GRIFFITH, St. Louis, Mo. Filed Aug. 6, 1927. Serial No. 211,116. Renewed May 11, 1929. 7 Claims. (Cl. 238-69.)



1. In a railway structure, a cross tie having a transverse rail seating channel therein, said tie having a socket contiguous to said rail seating channel, and a rail securing device comprising a block insertable in said socket and having a retaining lip to overlie the base flange of a track rail seated in said channel and a lug below said lip to underlie said base flange of the track rail in spaced relation thereto.

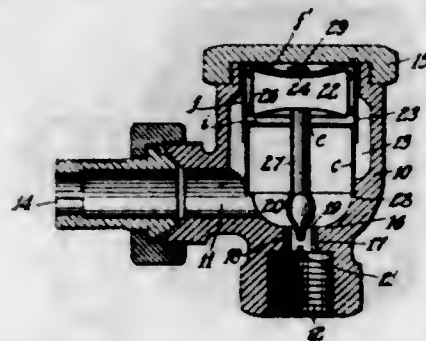
- 1,739,637. INSULATOR. KENT A. HAWLEY, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed Aug. 18, 1927. Serial No. 213,859. 4 Claims. (Cl. 173-318.)



1. In a multi-part insulator, a plurality of porcelain shells arranged in superposed relation, a cap for the topmost shell having a plurality of lugs on its inner underside, the topmost shell having recesses therein accommodating said lugs.

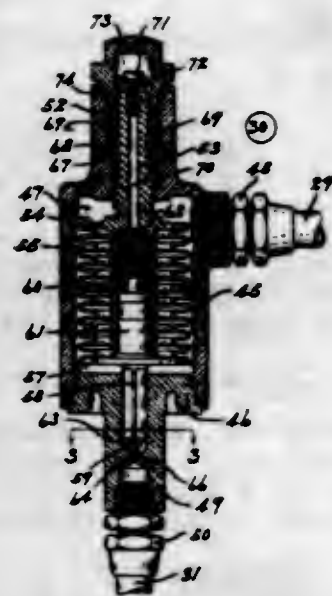
3. In an insulator, a plurality of dielectric shells and a metal cap mounted upon the topmost shell, the cap having thickened portions at its underside and tapped holes in said thickened portions, and said topmost shell having recesses in its top receiving said thickened portions.

1,739,638. VALVE UNIT FOR STEAM TRAPS. CHARLES H. JOCKMUS, Ansonia, Conn. Filed Dec. 3, 1927. Serial No. 237,357. 9 Claims. (Cl. 236—56.)



1. A thermostatic valve unit insertable in valve casings comprising a housing having separable members adapted to be fitted together to form a closed chamber, an expansible member disposed within said chamber, a valve disposed exterior of the chamber, and a valve stem extending from the valve into said chamber to be actuated by said expansible member, said housing having downwardly projecting supporting means on its lower end, whereby the housing is supported in the valve casing above the inlet and outlet openings thereof.

1,739,639. REFRIGERATING APPARATUS. JESSE G. KING, Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation, a Corporation of Delaware. Filed Dec. 1, 1924. Serial No. 753,043. 9 Claims. (Cl. 62—8.)

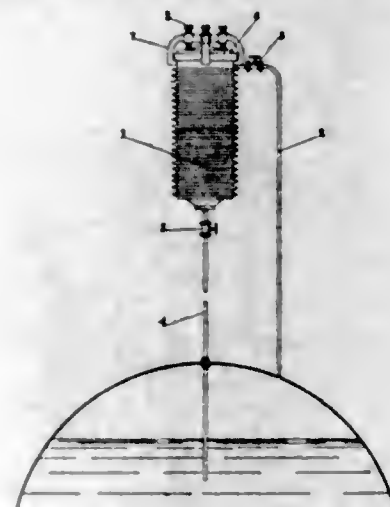


1. A system of refrigeration comprising, in combination, a closed circuit including an evaporator, means for expanding the refrigerating medium in the evaporator and withdrawing the medium from the evaporator and condensing the same, a valve for controlling the passage of medium from the high pressure side of the circuit to the evaporator, and means responsive to pressure on the high pressure side of the circuit and operated when a quantity of liquid medium accumulates in the high side of the circuit for opening the valve.

1,739,640. APPARATUS FOR PREVENTING INCRUSTATION IN STEAM BOILERS. JOAKIMA KOSZARY, Bizerta, Tunisia. Original application filed Oct. 17, 1921, Serial No. 508,171, and in Argentina Apr. 11, 1923. Divided and this application filed Aug. 21, 1923. Serial No. 658,509. 11 Claims. (Cl. 210—37.)

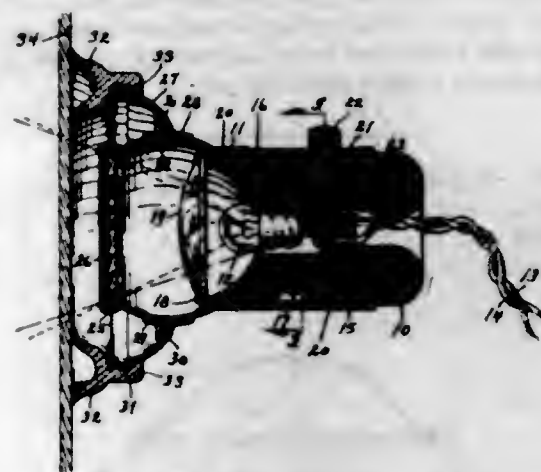
1. The combination with a steam boiler of a container a muclaginous substance arranged in a hollow column in said container, means for conveying steam from the

boiler above the water level thereof to the interior of said hollow column of muclaginous substance, means for effecting the condensation of the steam, means for permitting



the water of condensation to pass through the muclaginous substance, and means for conveying the water of condensation from the container to the boiler below the water line thereof.

1,739,641. PORTABLE AND ADJUSTABLE LIGHT. HERBERT F. LESSMANN, Des Moines, Iowa. Filed Feb. 18, 1928, Serial No. 255,326. Renewed May 6, 1929. 13 Claims. (Cl. 240—61.)

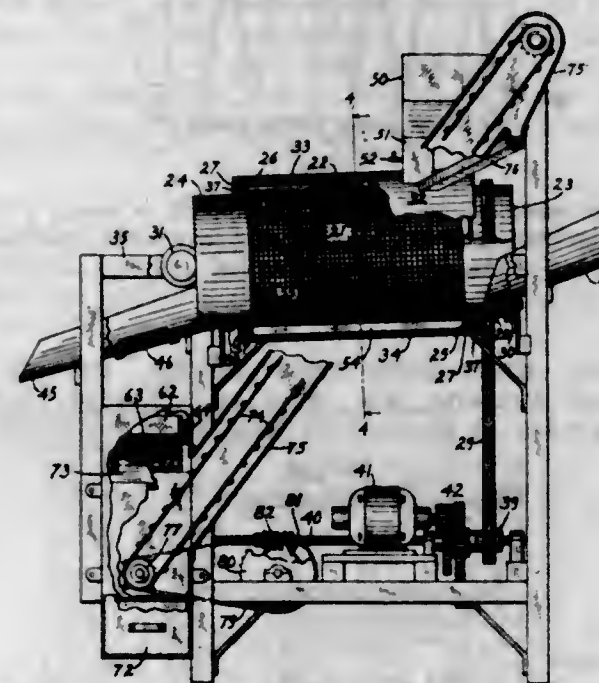


7. In a light of the class described, an annular base member of insulating material formed with a concave seat at one end, a reflector mounted in said seat, a lamp carried by said reflector, a lens covering the forward end of said reflector, a sleeve mounted on said base member and formed with a peripheral flange engaging and supporting said lens, a tubular casing on said base member and sleeve, said casing projecting forwardly of said sleeve and formed with a spherical enlargement, an annular supporting ring concentrically of said enlargement and having a spherical socket adjustably engaging the outer surface of said enlargement, and an annular vacuum cup carried by said supporting member and projecting forwardly thereof.

1,739,642. COATING MACHINE. LESLIE F. LIGHT, Binghamton, N. Y., assignor to Doughnut Machine Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 12, 1924, Serial No. 706,123. Renewed May 1, 1929. 23 Claims. (Cl. 91—7.)

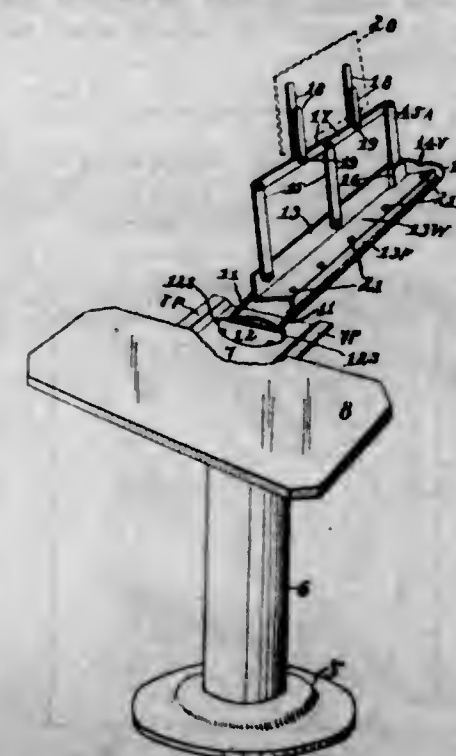
1. In a machine for treating doughnuts and the like with coating material, the combination of a revoluble cylinder embodying an intermediate foraminous portion and adapted for the introduction of articles to be coated at one end thereof; a supply reservoir for the coating material with means for conducting such material from the reservoir to a portion of the cylinder near that at which the articles to be coated are introduced; means for regulating the flow

of coating material from the reservoir to said cylinder; a structure over which the articles are required to pass after contact with the coating material, said structure having openings that permit passage therethrough of matter such as surplus coating material, coarser substances and objects smaller than such articles; a screen of a character to permit only coating material in usable condition to pass therethrough and positioned for receiving matter passing through the aforesaid structure openings; means for causing agitation of the contents of the revoluble cylinder and relative movement between said screen and matter thereon; and a conveyor arranged to return the usable coating material to that portion of the cylinder adjacent the end at which articles to be coated are introduced.



22. In a sugaring device of the character described, a rotating drum adapted to be traversed by the articles being sugared, a substructure with rollers to support the drum at opposite ends, drive means secured to the substructure beneath the drum, and interposed connections including a transmission chain engaging circumferential sprocket teeth on the drum to hold the latter to the substructure incidental to rotating said drum.

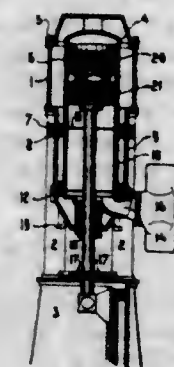
1,739,643. BOOKHOLDER AND TABLE. CLARA F. LOWAY, Dassel, Minn. Filed Feb. 16, 1928. Serial No. 254,789. 4 Claims. (Cl. 45—60.)



1. In a reading stand of the class described, a suitable base, a tubular column mounted vertically on said base, a

horizontal two-rail plate fixed on top of said column and having an aperture over the top opening of said column but smaller than said latter opening, a table top mounted to be slidably guided in horizontal plane on said rail-plate, a book holding rack adapted to be retained in said hollow column and to be slidably removable therefrom, and means for holding said rack with its base in horizontal position and outwardly from the column, and collapsible book supporting and resting means on said rack.

1,739,644. DOUBLE-ACTING MOTOR. GERAARD JOHAN LUGT, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Nederlandsche Fabriek van Werktuigen en Spoorwagematerieel Genaamd "Werkspoor," Amsterdam, Netherlands, a Dutch Company. Filed Jan. 20, 1925, Serial No. 3,544, and in the Netherlands Mar. 6, 1924. 4 Claims. (Cl. 121—194.)

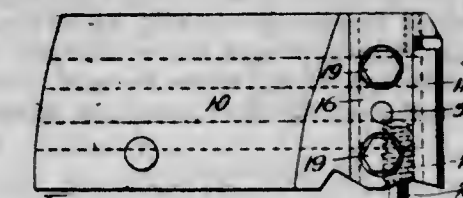


1. In a double action internal combustion engine, the combination with the frame, of a cylinder comprising two superposed sections, the upper section being secured to said frame, detachable means for securing the lower section to said upper section, said lower section being axially displaceable relative to said upper section to thereby give access to the piston and the interiors of said sections, and means for maintaining said lower section while being displaced in alignment with said upper section.

1,739,645. PRESERVATION OF FIBERS FOR PULP MAKING PURPOSES. TREADWAY B. MUNROE and ELBERT C. LATHROP, Chicago, Ill.; said Lathrop assignor to said Munroe. Filed June 8, 1927. Serial No. 197,506. 19 Claims. (Cl. 92—5.)

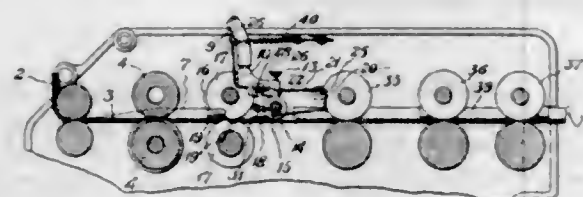
1. The process of preventing the natural deterioration of a mass of fibrous material having a moisture content of 70% or less suitable for pulp making purposes which consists in forming said mass into bales under pressure; and stacking said bales in piles whereby they are freed of air.

1,739,646. CHASER AND MEANS FOR HOLDING THE SAME. SAMUEL F. NEWMAN, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a Corporation. Filed Mar. 12, 1927. Serial No. 174,850. 6 Claims. (Cl. 10—104.)



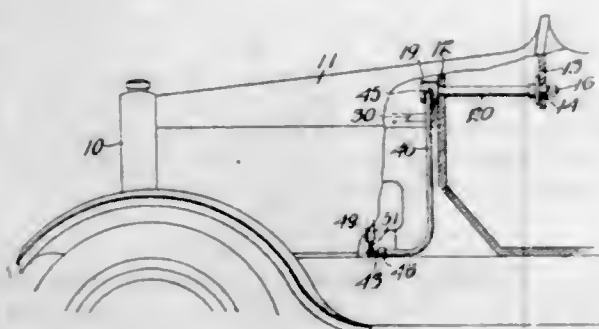
2. A chaser or cutter having a longitudinally grooved face for forming screw threads, with portions of its back cut-away to leave an upper extended portion and to form oppositely inclined ribs, worm threads cut upon its back, and having a part of the upper extended portion cut-away to form an abutment, substantially as set forth.

1,739,647. GUMMING DEVICE FOR ENVELOPE-MAKING MACHINES. FREDERICK JAMES PARKS, Cleveland, Ohio, assignor of one-half to Sherman W. Scofield, Cleveland, Ohio. Filed Jan. 10, 1928. Serial No. 245,684. 6 Claims. (Cl. 93—68.)



1. In gumming devices for envelope making machines, the combination of blank-feeding means; driven gumming rollers; pivotally-mounted gum containers formed with orifices adapted to discharge upon the peripheries of said rollers, said containers normally resting upon said rollers to close said orifices; and means controlled by the movements of the blank for tilting said containers away from the rollers to permit discharge of gum from said orifices.

1,739,648. AUTOMOBILE LOCKING DEVICE. PETER C. PINKERTON, Indianapolis, Ind. Filed Sept. 29, 1928. Serial No. 309,203. 6 Claims. (Cl. 180—82.)

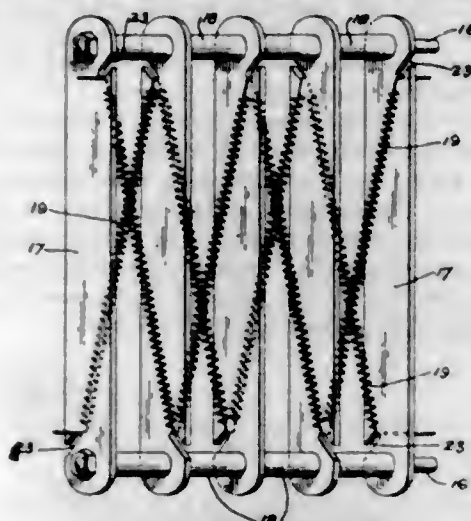


1. The combination in an automobile of a hood, a lock having a shaft extending beneath said hood, a casing for said shaft, a switch casing beneath the hood adapted to be secured in fixed position, a bridge piece carried by said lock shaft rotatable therewith for completing the ignition circuit, a lever also carried by said shaft, pipes rigidly mounted at the sides of the casing and extending downwardly and forwardly along the frame, a bracket secured to said hood adjacent each side thereof, flexible wires connected with the lever on the lock-shaft at one end and having their opposite ends provided with locking plungers adapted to engage the brackets on the hood for securing said hood in closed position said bracket having a plate adjustably carried thereby and having an opening there-through for the reception of said locking plungers whereby the device may be applied to various types of automobiles without modification of the hood structure, substantially as set forth.

1,739,649. RADIANT ELECTRIC HEATER. FRANK J. PTOCH, San Francisco, Calif. Filed Aug. 29, 1928. Serial No. 302,669. 5 Claims. (Cl. 219—34.)

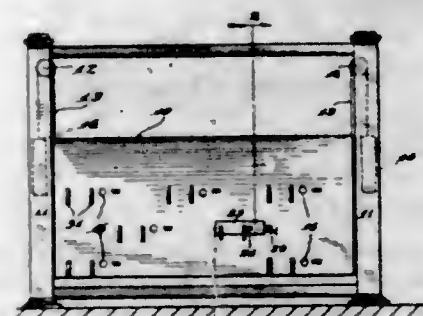
4. A resistance unit for electric heaters comprising a plurality of flat insulating members arranged parallel in spaced relation, said members having notches arranged in opposite edges at the ends thereof, and a pair of resistance units adapted to be connected to produce different degrees

of heating laced in zigzag fashion along the opposite edges of said supporting members and engaging the notches in



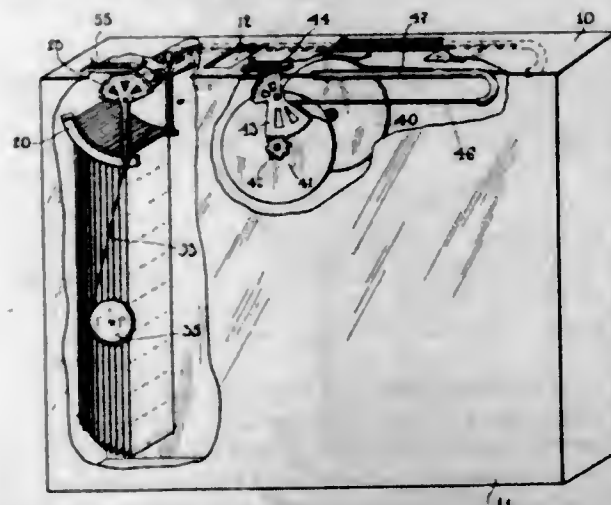
alternate members as a means of support, whereby a uniform distribution of the heating elements will be produced irrespective of the connections thereof.

1,739,650. HEADLIGHT PHOTOMETER. CHESTER S. RICKER, Waukesha, Wis. Filed Jan. 23, 1928. Serial No. 248,859. 5 Claims. (Cl. 88—23.)



1. A headlight photometer, comprising a screen having a plurality of apertures arranged to receive light at predetermined angles from a headlight at a predetermined distance from the screen, an enclosure, a light-source within said enclosure, said enclosure being provided with an opening adapted to receive light from an exterior source, and means for comparing the intensity of illumination received through said opening with that of said light-source, said enclosure being movable relatively to said screen so that the opening in the enclosure may be brought into alignment with any of the apertures in said screen to receive light from said headlight.

1,739,651. CARD-SELECTOR MECHANISM. FRANCIS F. C. RIPPON, New York, N. Y. Filed Dec. 27, 1928. Serial No. 328,671. 8 Claims. (Cl. 281—8.)



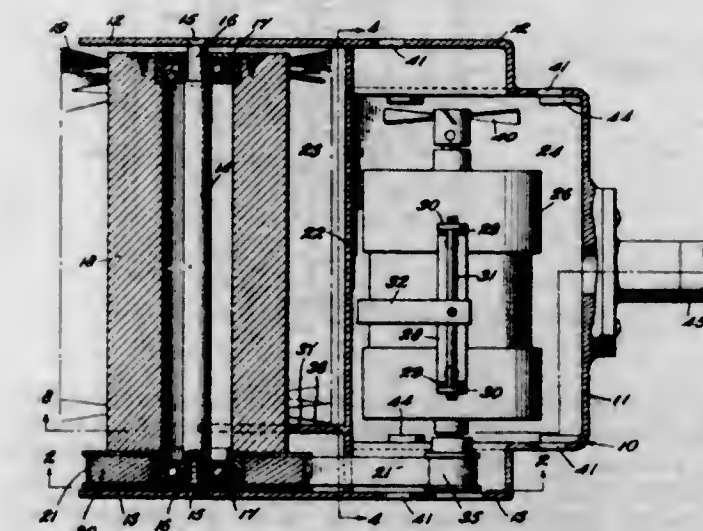
1. In a selector embodying a plurality of carriers each supporting a plurality of cards spaced one from the other,

the combination of a casing having a writing opening therein, pivoted means for engaging a desired carrier, and means for moving one of said carriers to position one of the cards thereof in registry with said writing opening.

1,739,652. LIQUEFIER FOR PREPARING STONE FOR BITUMEN COATING. SAMUEL S. SADTLER, Chestnut Hill, Springfield Township, Montgomery County, Pa., assignor to Amiesite Asphalt Company of America, Philadelphia, Pa., a Corporation of New Jersey. Filed Aug. 18, 1927. Serial No. 213,970. 4 Claims. (Cl. 106—31.)

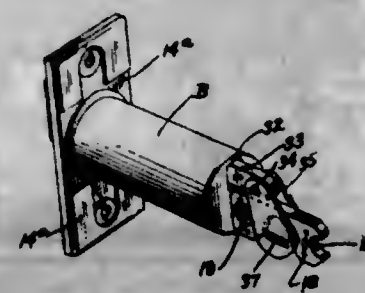
1. A method of mixing a bituminous paving composition consisting of applying substantially acid free acid refinery sludge oil to pieces of graded aggregate as a solvent for bitumen, which solvent is limited in quantity to that which will just coat the surfaces of the stone so as to form a film, subsequently adding bitumen and hydrated lime with suitable agitation.

1,739,653. FLOOR WAXING AND POLISHING MACHINE. JOSEPH SASSANO, New York, N. Y. Filed May 17, 1927. Serial No. 192,058. 3 Claims. (Cl. 15—49.)



1. A machine of the class described, comprising a housing having a transverse partition wall dividing it into a brush chamber and a motor chamber, said wall having an opening therein; a brush mounted in said brush chamber; a motor mounted in said motor chamber; driving connections between said motor brush passing through said opening; and a second partition wall disposed at an angle to said first wall and extending into said brush chamber, adjacent one end of said brush, said second wall being cut away to conform substantially to the periphery of the brush drum, for preventing foreign matter from passing to said motor chamber through said opening.

1,739,654. DOOR LATCH. WALTER R. SCHLAGE, San Francisco, Calif., assignor to Schlage Lock Co., San Francisco, Calif., a Corporation of California. Filed June 18, 1928. Serial No. 286,078. 5 Claims. (Cl. 292—337.)

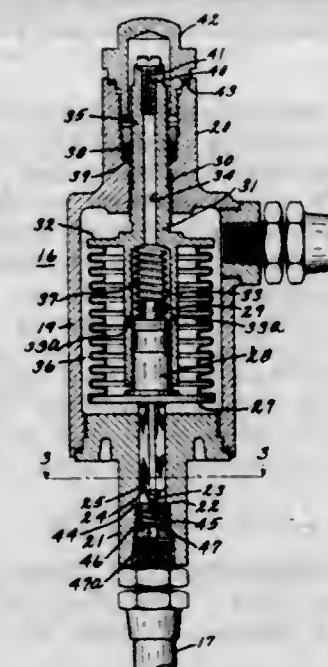


1. In a door latch, a latch bolt, a guide plate through which the latch bolt extends, a latch bolt housing, and

a swivel joint formed between the guide plate and the housing, said swivel joint permitting free rotation of the guide plate and the latch bolt with relation to the housing.

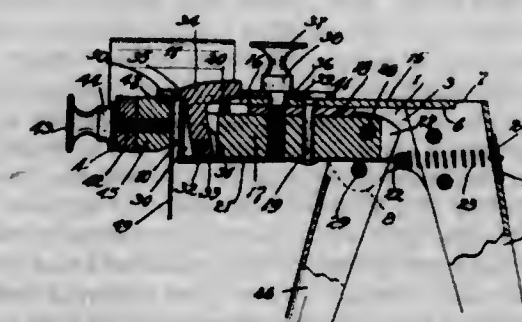
5. In a door latch, a latch bolt, a housing enclosing the latch bolt, a guide plate, an auxiliary guide plate, said auxiliary guide plate having an opening formed therein to receive one end of the housing and a flange on the end of the housing adapted to be interposed between the face plate and the auxiliary face plate, said flange forming a swivel connection between the housing and the plates.

1,739,655. REFRIGERATING APPARATUS. SYLVESTER M. SCHWELLER, Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation, a Corporation of Delaware. Filed Oct. 3, 1923. Serial No. 666,246. 3 Claims. (Cl. 62—8.)



1. A refrigerating system comprising in combination, a fluid circuit having high and low pressure portions; means for circulating refrigerating fluid within said circuit; and means responsive to normal conditions of the fluid in said circuit for controlling the flow of fluid from the high pressure portion to the low pressure portion, said means including a second means responsive to an abnormal condition of said fluid for interconnecting the low pressure portion with the high pressure portion.

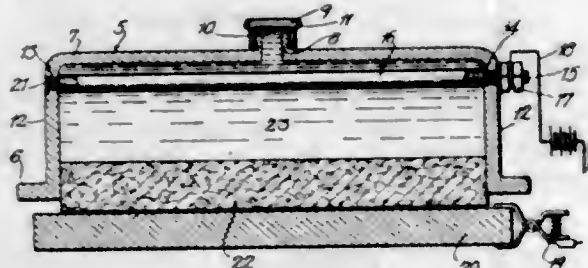
1,739,656. SAW SET. WILHELM SETTERLUND, Winnipeg, Manitoba, Canada. Filed Mar. 12, 1928. Serial No. 261,043. 3 Claims. (Cl. 76—69.)



1. A saw set comprising a frame provided with a stationary handle, a movable handle opposing the stationary handle and pivotally attached to the frame, a shiftable member slidably mounted in the frame for endwise movement and actuated by the movable handle, a setting tooth projecting beyond the forward end of the shiftable member and pivotally carried thereby, means carried by the shiftable member for advancing and withdrawing the tooth and an adjustable block carried by the front

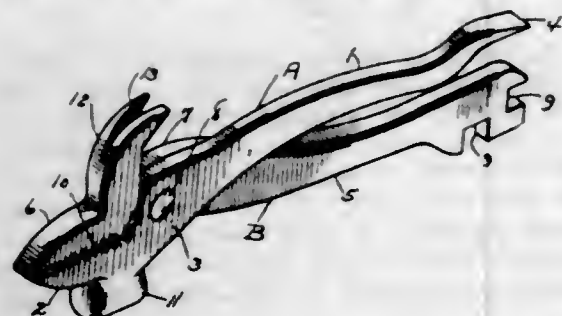
end of the frame and presenting a plurality of inclined faces of varying pitch, said frame being provided with opposing slots permitting of the insertion of a saw blade with a tooth thereof in the area between the stilt tooth and one of the inclined faces of the block.

1,739,657. ELECTROPLATING DEVICE. REUBEN B. SHENITZ, New York, N. Y. Filed Jan. 16, 1928. Serial No. 247,135. 1 Claim. (Cl. 204-5.)



A device for electroplating a surface comprising an insulating, acid resisting casing having openings in the opposite walls thereof, a filling neck in the casing, a cap for said neck, an electrode of plating material positioned in the casing, threaded members engaging said opening for supporting said electrode and one of said members constituting a contact post extending exteriorly of said casing, a pad arranged in the casing and adapted to form a closure for one side thereof, an electroplating solution contained in the casing in contact with the electrode and the pad, and said pad being sufficiently porous to permit seepage of the solution there-through so that the surface in contact with the pad will be plated.

1,739,658. WIRE-STRETCHING TOOL. JAMES O. SMITH, Mounds, Okla. Filed Nov. 13, 1928. Serial No. 674,557. 2 Claims. (Cl. 254-80.)



1. A wire stretching tool comprising a pair of crossed pivoted lever members provided at one side of their pivot with handles, the said members having opposed wire-gripping cam portions adjacent their point of pivotal connection with each other, the active surface of the cam portion of one member being eccentric to the pivot and curved to recede therefrom in the direction of the handle, the cam portion of the other member having its active surface offset laterally with respect to the pivot and reversely curved with respect to the active surface of the first mentioned cam portion whereby to provide for gripping of a wire between the said surfaces upon relative separation of the handles of the lever members, the first mentioned lever member being provided upon its side opposite the cam portion with a post-engaging head to constitute a fulcrum for the tool when engaged with a post.

1,739,659. CLOSURE CAP. AUGUST C. SPAHN, Evansville, Ind., assignor to Bernardin Bottle Cap Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 10, 1928. Serial No. 253,308. 2 Claims. (Cl. 215-38.)

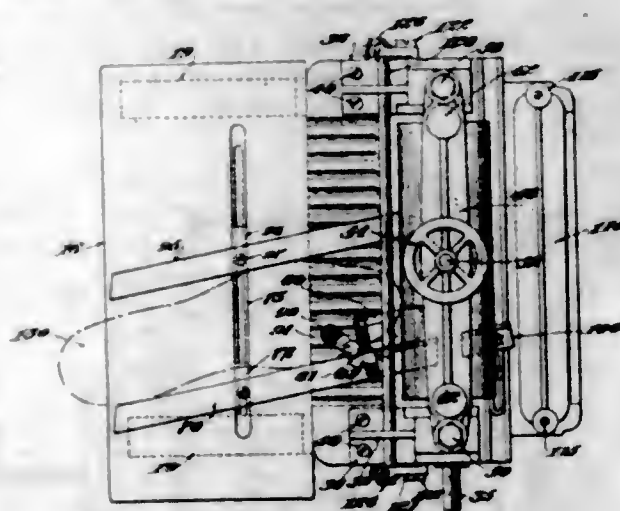
1. A closure cap for containers having a substantially straight cylindrical side wall adjacent its upper end, com-

prising a top and a depending integral skirt of resilient metal, the skirt having annular corrugations with rounded inner crowns forming a plurality of substantially con-



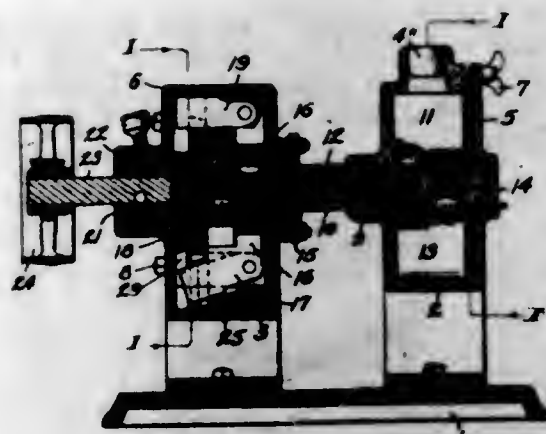
tinuous annular frictional container-gripping surfaces which are spaced apart vertically, the inner crowns having deflections to form vent passages for the escape of pressure from the container while the cap is partially applied.

1,739,660. BUFFING MACHINE. WILLIAM M. SPRY, Beachmont, Mass., assignor to The Peerless Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 18, 1927. Serial No. 184,764. 4 Claims. (Cl. 51-102.)



1. In a machine of the class described, the combination with a work-support, a feed roll and a buffing roll of means for guiding and holding in flat condition thin flexible work fed obliquely through the machine comprising a guiding strip adjustably secured to said work-support obliquely to the normal line of feed and having its forward end provided with an upright side abutment to prevent the work riding up over the end of said guide, a second guiding strip behind said feed roll and said buffing roll and in alignment with said first guiding strip and a spring pressed plate of substantial width arranged in close proximity to said rolls and to the front end of said first mentioned guiding strip to hold that portion of the work about to be presented to the rolls in flat condition.

1,739,661. ROTARY PUMP. ADELARD BERNARD, Drummondville, Quebec, Canada. Filed Nov. 7, 1927. Serial No. 231,456. 3 Claims. (Cl. 103-129.)

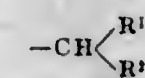


1. A rotary pump, comprising two cylindrical casings spaced apart, one of said casings having inlet and outlet

openings therein; a hollow shaft suitably journaled in said casing; a paddle mounted on said hollow shaft; an inner shaft rotatably mounted within said hollow shaft; a paddle mounted on the end of said inner shaft; pawls mounted, respectively, on each of said hollow and said inner shaft; and a dented wheel to engage alternatively each of said pawls, said dented wheel loosely mounted on inner shaft; substantially and for the purpose specified.

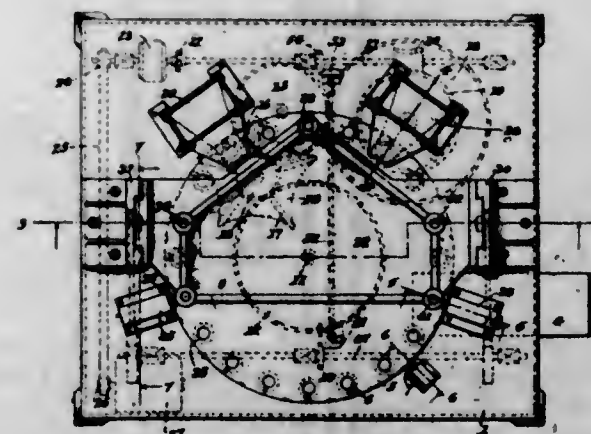
1,739,662. BARBITURIC ACID DERIVATIVE. FRIEDRICH ROEDECKER, Berlin-Dahlem, Germany. Filed Nov. 21, 1925, Serial No. 70,899, and in Germany Dec. 6, 1924. 10 Claims. (Cl. 260-33.)

1. As new products the herein described substituted barbituric acids, in which one of the hydrogen atoms of the methylene group is substituted by a halogenated unsaturated aliphatic group, the other hydrogen atom of the methylene group is substituted by a group of the formula



in which R¹ and R² represent different radicals.

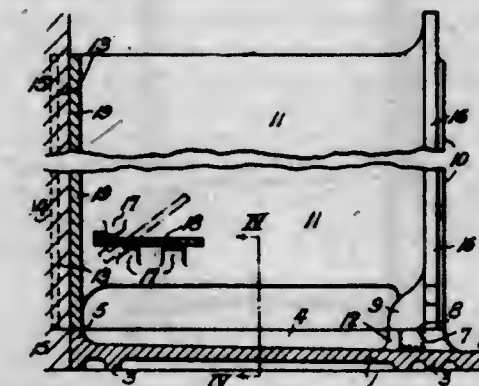
1,739,663. CORE-MAKING MACHINE. RALPH S. CICERO, Waterbury, Conn. Filed May 17, 1928. Serial No. 278,444. 7 Claims. (Cl. 22-10.)



7. In a core making machine of the class described, a table having a top provided with an opening, a plate journaled upon said table and rotatable with respect thereto, said table having molds therein adapted to move over the openings, means for rotating said plate, means cooperating with the peripheral edge of said plate to retain the same in locked and still position at predetermined times, hoppers mounted upon said table, said molds being adapted to move under said hoppers, standards supported on said table, a bridge vertically movable on said standards, means cooperating with the rotating means for said plate to intermittently move said bridge with respect to the plate, tampers carried by the bridge cooperating with the cusp and the mold, a core marker mounted upon the table adapted to enter the molds, said marker being operable from the same means rotating said plate, a tapping device adapted to contact with the periphery of the plate, said tapping device being operable from the same means rotating said plate, a core ejector carried by the bridge and a brush carried by the bridge adapted to enter the molds, and for the purposes described.

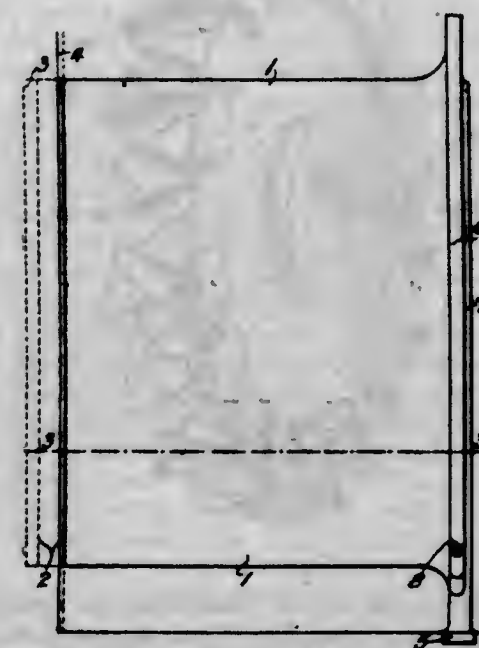
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1,739,664. CONSTRUCTION OF CUBICLES, BATHING BOXES, AND THE LIKE. SYDNEY FREDERICK CORBY and JAMES WASP, East Molesey, England, assignors to said Corby. Filed Dec. 9, 1927, Serial No. 238,874, and in Great Britain Aug. 2, 1927. 8 Claims. (Cl. 72-16.)



1. In a range of partitioned erections, the combination of floor units which conjointly provide partition positioning means, side rims on said floor units so grooved that adjacent floor units conjointly form a crevice adapted to be filled with grouting, and partition units engaging said positioning means.

1,739,665. PARTITION WALL. SYDNEY FREDERICK CORBY and JAMES WASP, East Molesey, England, assignors to said Corby. Filed Dec. 9, 1927, Serial No. 238,875, and in Great Britain Dec. 20, 1926. 3 Claims. (Cl. 72-16.)

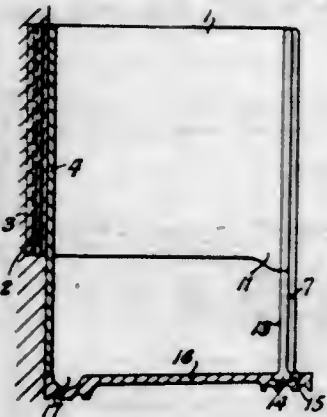


1. In a unit partition wall, the combination of a partition, a front standard, a supporting foot on said standard adapted to enter a recess in a floor, a shoulder on said standard adapted to support the front of said partition, a rear standard, a key on said rear standard adapted to enter a keyway in a wall, a shoulder on said standard supporting the rear of said partition, interlocking keys and keyways on said standards and said partition, and means to fasten said standards to said partition.

1,739,666. PARTITION WALL. SYDNEY FREDERICK CORBY and JAMES WASP, East Molesey, England, assignors to said Corby. Filed Dec. 9, 1927, Serial No. 238,876, and in Great Britain Nov. 28, 1927. 3 Claims. (Cl. 72-16.)

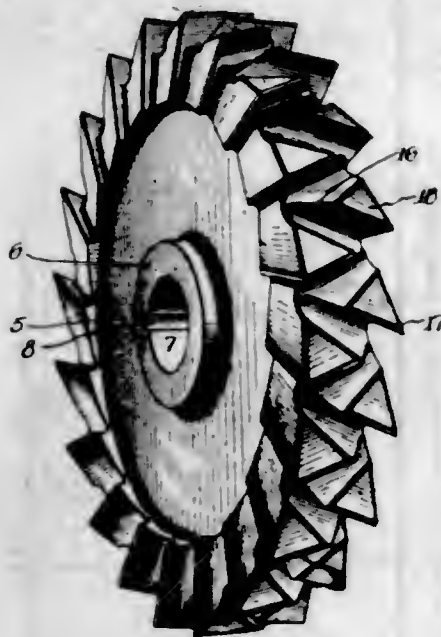
1. In a range of cubicles the combination of a sloping floor, a drainage channel extending throughout the range

of cubicles and located at the lower end of said floor, front portions adapted to enter recesses formed in the said floor,



extensions on said front portions adapted to constitute the front walls of the cubicles, rear portions adapted to enter keyways in a wall and intermediate partition portions.

1,739,667. MILLING CUTTER. RITCHIE P. DEWEY, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Oct. 31, 1925. Serial No. 65,962. 3 Claims. (Cl. 29—103.)

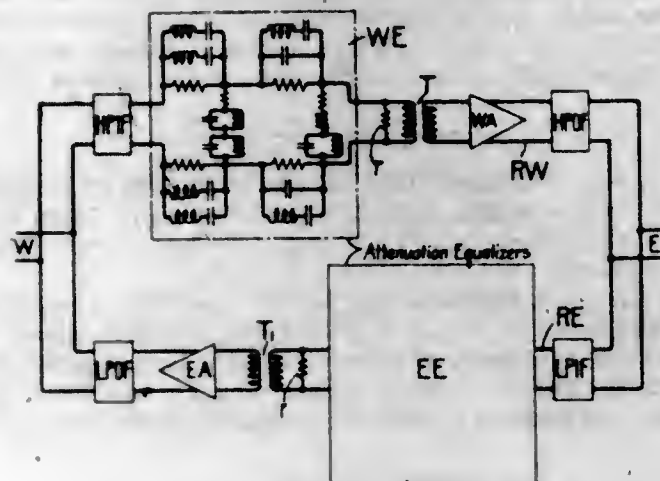


1. An integral disk cutter comprising, in combination, a cutter body, and a plurality of cutting teeth on the periphery of said body, said teeth being arranged in two sets at opposite side faces of the body, with the teeth of one set staggered with respect to the teeth of the other set about the periphery, and with the teeth of the two sets overlapping in their cutting range, the teeth of each set being peripherally aligned, each tooth having a cutting edge which is substantially spiral in form, the forward portion of one tooth being laterally adjacent the rear portion of the next forward tooth, each tooth being formed between similar spiral gashes having opposite directions, and each set of tooth-forming gashes intersecting at a side-face of the cutter.

1,739,668. TRANSMISSION SYSTEM. CHARLES W. GREEN, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 31, 1926. Serial No. 132,670. 15 Claims. (Cl. 178—44.)

1. In a system for transmitting waves of different frequencies, a transmission line, means associated with said

line causing waves of certain selected frequencies to be reflected, and a loss element between said line and said means to attenuate all of said reflected waves, said loss



element having its highest transmission characteristics at the frequencies of said reflected waves and a lower loss at the other frequencies transmitted.

1,739,669. POCKET THERMOMETER CASE. OSCAR GREENWALD, Brooklyn, N. Y., assignor to Fatchney Instrument Corporation, Watertown, N. Y., a Corporation of New York. Filed Dec. 15, 1927. Serial No. 240,087. 1 Claim. (Cl. 206—16.5.)

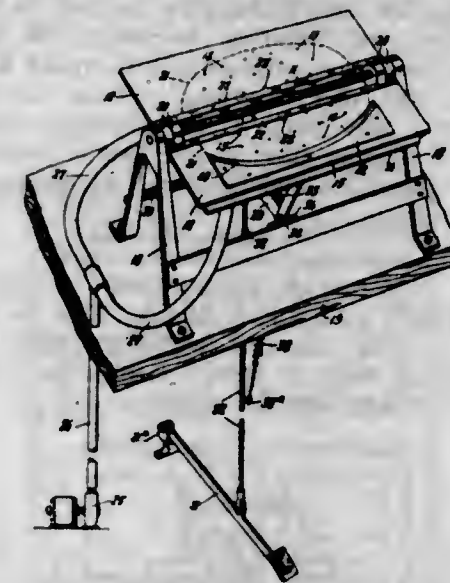


A thermometer casing including a barrel formed to contain a pair of thermometers, a plug in the barrel provided with apertures to receive the thermometers there-through, and a member secured to the plug and disposed in the barrel between the apertures, said member having spaced integral tongues struck out therefrom, one of the tongues being connected to the member adjacent an end of the latter and the other tongue being connected to the member adjacent to the center of the length of said member, the tongues being disposed on opposite sides of the member.

1,739,670. MACHINE FOR MAKING LAMINATED COUNTER BLANKS AND OTHER ARTICLES. BENJAMIN F. HARTWELL, Winchester, Mass. Filed Jan. 29, 1929. Serial No. 335,953. 5 Claims. (Cl. 154—1.)

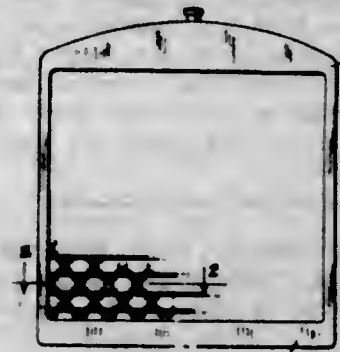
1. An assembling machine for making laminated articles, comprising a pair of perforated beds, each constituting a member of a suction box, means connecting said beds with fixed supporting means, and adapted to permit the beds to alternately occupy receiving and pressing positions, each bed having registration means for locating a layer thereon

in position to register with a layer on the other bed, air-exhausting means communicating with the suction boxes to cause adhesion of the layers to the beds, and operating



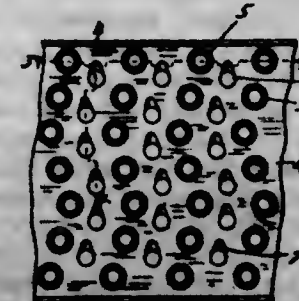
mechanism for swinging the beds from their receiving to their pressing positions, to press together cement coated layers carried by the beds, means being provided for supporting the beds normally in their receiving positions.

1,739,671. RADIATOR. HARRY A. HIGGINS, Detroit, Mich., assignor to Long Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 23, 1926. Serial No. 96,703. 2 Claims. (Cl. 257—131.)



1. In a radiator, a plurality of sections each comprising a hollow member constituting a water chamber and extending horizontally of the radiator, and means for establishing communications between said sections, said means including a plurality of identically shaped protuberances formed on each section, each of said protuberances including a relatively wide tubular base portion and a reduced tubular end portion, the reduced tubular end portion of each protuberance being adapted for abutting engagement with the reduced tubular end portion of the corresponding protuberance of the next adjacent section.

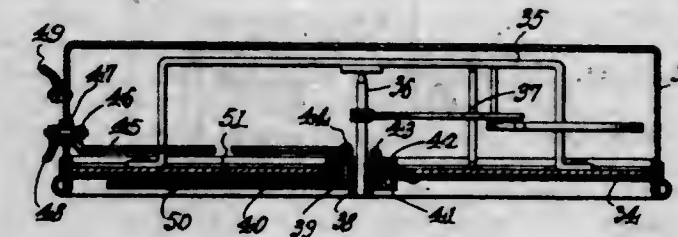
1,739,672. FIN CONSTRUCTION. HARRY A. HIGGINS, Detroit, Mich., assignor to Long Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 13, 1926. Serial No. 154,552. 1 Claim. (Cl. 257—129.)



In a radiator, the combination with a plurality of spaced rows of water tubes extending from the front to the rear

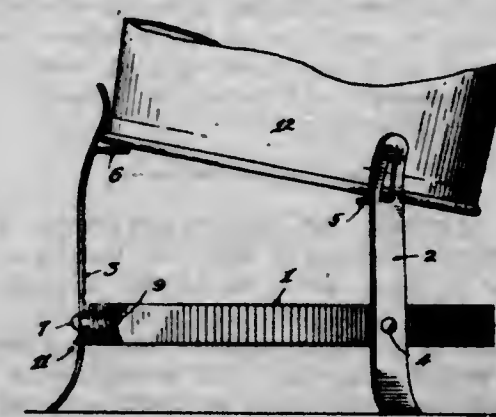
of the radiator, the tubes of each row being arranged in a serpentine path to define tortuous air passageways between adjacent rows, of heat radiating fins extending transversely of and in heat conducting contact with said tubes, said fins being provided with openings between the rows of tubes and rearwardly tapering inclined projections at the rear edges of the openings forming passages on the underside of the fins, the said passages having their inlet ends above the fins and facing in a direction opposite to the flow of air through the radiator adjacent the periphery of the respective openings, and their outlet ends on the underside of the fins and spaced rearwardly of the respective openings to direct air passing between said fins through the openings from one side of the fins to the other.

1,739,673. SWITCH. JOHN H. HOBSON, Sulphur Springs, Ark., assignor of one-fifth to J. Alvin Brown, one-fifth to Chester A. Swatens, one-fifth to William J. Brown, and one-fifth to Wilson T. Feazel, Sulphur Springs, Ark. Original application filed June 20, 1926. Serial No. 119,645. Divided and this application filed Dec. 20, 1926. Serial No. 155,967. 1 Claim. (Cl. 200—138.)



In a device of the class described, a casing, a dial carried by the casing, a supplemental hand cooperating with the dial and including an integral hub journaled in the dial and engaging one surface of the dial, both the supplemental hand and the hub being made of insulating material, a cap on the hub and engaging the opposite surface of the dial to hold the hub frictionally in the dial for rotation, thereby to adjust the position of the supplemental hand, a shaft rotatable in the hub, a main hand carried by the shaft and cooperating with the dial, the supplemental hand having a contact which the main hand engages as the main hand moves past the supplemental hand, a tightening device passing through the cap and the entire length of the hub, and two conductors connected to the tightening device, one conductor extending through the hub longitudinally, and through the cap, the said conductor being extended along the supplemental hand externally thereof, and being joined to the contact, the other conductor being joined to the casing, the shaft being in electrical connection with the casing.

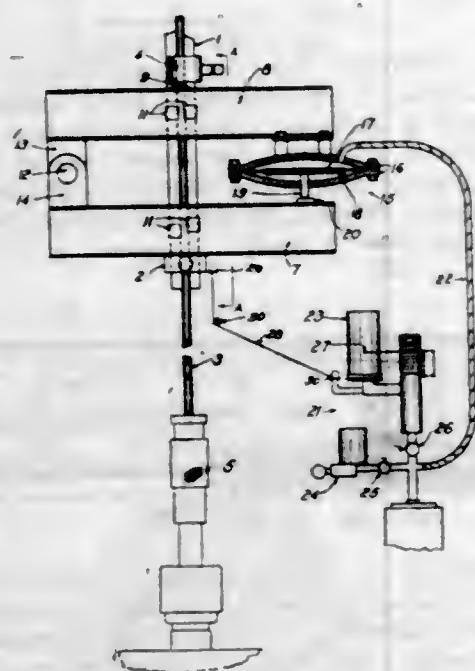
1,739,674. SUPPORT FOR MILKING PAILS. SAMUEL HOHULIN, Goodfield, Ill.; H. B. Schumacher administrator of said Samuel Hohulin, deceased. Filed Apr. 13, 1928. Serial No. 269,663. 2 Claims. (Cl. 31—55.)



2. A support for a milking pail comprising a ring, a plurality of upright legs spaced around the same, a bolt

extending through one of the legs and the ring, a spring compressed between the ring and a part of the bolt for holding the leg elastically against the ring, said leg adapted to outwardly flex with respect to the ring, the other legs being secured to said ring, and each leg having an ear above the ring extending into the space above same, one of said ears lying at a higher elevation than the ears of the other legs.

1,739,675. PUMP DYNAMOMETER. JOHN H. HOWARD, Walnut Park, and HALLAN N. MARSH, Los Angeles, Calif. Filed Jan. 10, 1928. Serial No. 245,703. 7 Claims. (Cl. 265-2.)



1. A device for measuring the tension in a reciprocating rod, comprising: leverage means responsive to the tension in said rod; means for creating a fluid pressure proportionate to said tension; means for transmitting said tension to said fluid pressure means, and means for measuring said pressure.

1,739,676. EXTENSION DEVICE. PERCIVAL W. JONES, Warwick, R. I., assignor to Rosenheim Co. Inc., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 10, 1928. Serial No. 324,883. 10 Claims. (Cl. 24-201.)



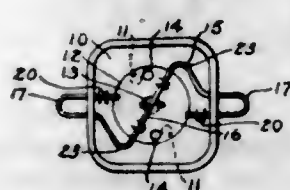
10. In combination with a non-extendible wrist watch strap, an extension device comprising two members each connected to an end of the strap, extensible means connecting said members including a series of similar elements arranged to carry one of said members toward or from the other by a continuous uniform relative movement of said elements and means for releasably-locking said members in adjacency.

1,739,677. METHOD OF MANUFACTURING ARTIFICIAL STONE. GEORGE E. KENDALL, Kalamazoo, Mich. Filed Mar. 5, 1926. Serial No. 92,636. 2 Claims. (Cl. 18-48.8.)

1. The process of making artificial marble or stone consisting in providing a mold with a face plate of flat, smooth, impervious, waterproof material, applying thereto with the face plate down a rich paint-like, wet mixture of cement with a brush to develop the colloids and completely and closely cover the surface, injecting through the mix-

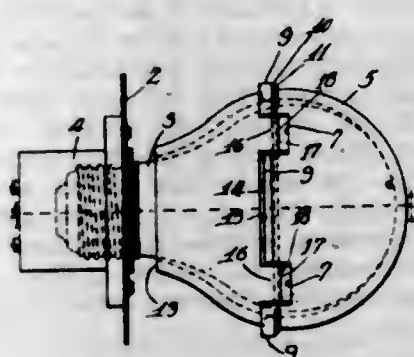
ture suitable color designs by scratching with a blunt pointed instrument, thereafter covering the whole with grout of substantially four parts sand to one part cement, wetting the same thoroughly, placing the mold with face plate down, and covering the whole with damp sand to retain the moisture, allowing it to stand a sufficient time to fully set, then removing it from the mold, and separating the face plate from one edge carefully to insure the separation due to the film of water formed between the face plate and the stone, as specified.

1,739,678. MATERIAL-DISPENSING DEVICE FOR CONTAINERS. JAMES J. KLEIN, New York, N. Y., assignor to The Superlative Novelty Co., Brooklyn, N. Y. Filed Sept. 2, 1926. Serial No. 133,273. 6 Claims. (Cl. 221-64.)



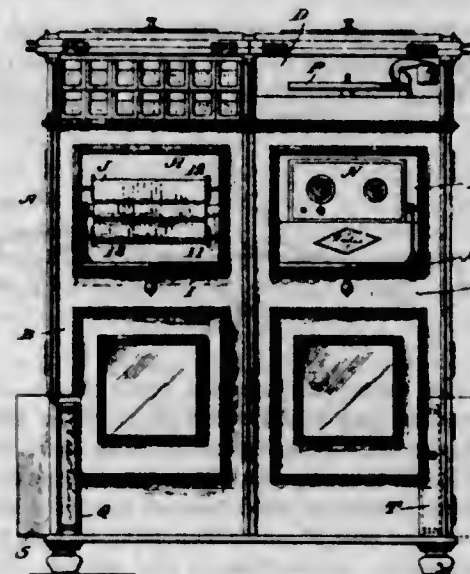
1. In a closure device for condiment containers, a container cap member having perforations therein, a perforated closure member rotatably mounted on the cap member to cover or uncover the perforations in the cap member according to the angular position of the closure member, actuating members for the closure member extending transversely across said cap member and connected to rotate said closure member to perforation uncovering position when moved longitudinally toward each other, and spring means tending to return the parts to perforation covering position when the actuating members are released.

1,739,679. LAMP HOOD FOR ELECTRIC LAMPS. WILLIAM L. LAIB, Chicago, Ill. Filed July 21, 1926. Serial No. 123,980. 4 Claims. (Cl. 240-100.)



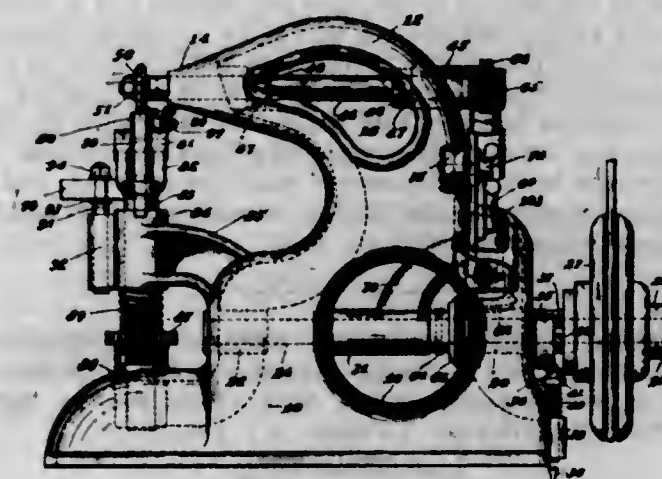
1. A lamp hood comprising a cup-shaped glass hood member forming a closed end of a lamp hood, and having an annular peripheral margin adapted to encircle a lamp bulb, a tapered annular sleeve-shaped bulb-encircling hood member having an annular peripheral margin adapted to engage said cup-shaped hood member, said hood members having alternately disposed marginal recesses in and shoulders on their engaged annular peripheral margins, each of said shoulders being located between and in engagement with a plurality of adjacent shoulders on the opposite hood member, and a flexible connecting element extending circumferentially of the hood and in securing engagement with marginal shoulders on both of said hood members, for connecting said hood members and holding the same in operative position with respect to the lamp bulb.

1,739,680. COMBINATION PLAYER-PIANO, RADIO, AND PHONOGRAPH. HUBERT J. LA JOIE, Maplewood, N. J., assignor to Auto Pneumatic Action Company, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1928. Serial No. 328,010. 3 Claims. (Cl. 84-82.)



1. A musical instrument comprising a case, a piano frame, action and pneumatic player mechanism arranged in the back thereof, a door vertically hinged to the case, a spool box having a tracker bar and music sheet manipulating mechanism carried by said door and flexible tubes connecting said tracker bar and pneumatic player action.

1,739,681. PERFORATING MACHINE. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 18, 1921, Serial No. 508,403. Renewed May 6, 1926. 24 Claims. (Cl. 164-64.)



1. A perforating machine having, in combination, a rotatable member having its periphery provided with perforating means arranged in a plurality of unit designs, a main shaft, means within the control of the operator for operating said main shaft either continuously or in a step-by-step manner and means intermediate said member and said shaft for rotating said member to perforate a unit design for each step of operation of said shaft; said means comprising a speed reducing shaft operated from the main shaft and a worm and gear connection between said speed reducing shaft and said rotatable member.

1,739,682. LICENSE-PLATE HOLDER. TIGHELMAN H. LISBY, Tuscarora, Nev. Filed Apr. 25, 1929. Serial No. 358,056. 2 Claims. (Cl. 40-132.)

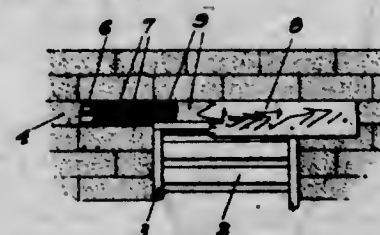


1. A license plate holder comprising a base member, a back plate carried thereby and extending upwardly from the rear thereof, forwardly disposed end plates carried by the extremities of the back plate and the extremities of the base member, the forward margins of the end plates being provided with outstanding flanges, a frame having members overlying said flanges and the front of the base member, said frame having a top member provided with means engaging the upper marginal portion of the back plate, a transparent panel disposed over the frame to provide a front wall, means for holding said transparent panel to the frame, an illuminating member carried by the base member in advance of the back plate, and means for holding a license plate to the back plate and within the housing.

1,739,683. TREATMENT OF FIBROUS VEGETABLE MATERIALS. OWEN DAVID LUCAS, Westminster, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed Dec. 11, 1928, Serial No. 325,376, and in Great Britain Dec. 8, 1927. 2 Claims. (Cl. 92-9.)

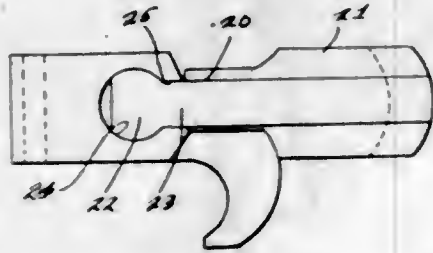
1. A process of obtaining from flax and other similar fibrous vegetable materials a fibre suitable for spinning, said process comprising the steps of treating the said material at a temperature of 130° to 170° C. and corresponding pressure with a caustic soda solution of a strength between 1% and 5% containing a plasticizer for a length of time varying from twenty minutes to four hours sufficient to weaken the bonds or nodes between the ultimate short fibres composing each long fibre, the said time and the concentration of the solution being controlled according to the extent to which weakening of the said bonds is desired, after which the material is washed in water, immersed in a cold acid bath, and again washed.

1,739,684. LINTEL CONSTRUCTION. JOHN F. MAKOWSKI, Oakland, Calif., assignor to Fireproof Wall Company, Reno, Nev., a Corporation. Original application filed Apr. 11, 1928, Serial No. 269,082. Divided and this application filed Nov. 5, 1928. Serial No. 317,211. 6 Claims. (Cl. 72-98.)



1. In wall construction, separated wall sections forming an opening therebetween, a door buck in the opening and terminating adjacent the top thereof, members to form the sides of a trough of which the top of the buck is the bottom removably mounted in connection with the buck, whereby to provide a form for the pouring of cementitious material to form a lintel over the buck.

1,739,685. BOLT CONSTRUCTION. WILLIAM MARSHALL, Detroit, Mich., and FREDERICK KIEHLER, deceased, Detroit, Mich., by Anna M. Kiehl, executrix, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Original application filed Feb. 16, 1925, Serial No. 9,661. Divided and this application filed Mar. 5, 1928. Serial No. 259,256. 2 Claims. (Cl. 292-2.)

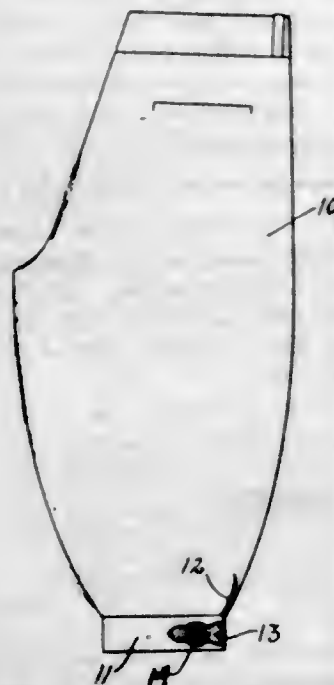


1. A door latch bolt capable of straddling and sliding over a door latch case plate and comprising a substantially U-shaped member having a base constituting a bolt head for engagement with a striker plate and having shank portions projecting rearwardly from said base, one of said shank portions having two sections, one section having a rounded head, and the other section having an opening receiving said head and permitting said first mentioned section to swing laterally relative to said second mentioned section.

1,739,686. SOLUBLE OIL CONTAINING ETHER DERIVATIVES OF POLYHYDROXY ALCOHOLS. DAVID R. MERRILL, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed Jan. 4, 1928. Serial No. 244,562. 16 Claims. (Cl. 87-9.)

3. A soluble oil comprising an oil, a soap and a blending agent in the form of an ether derivative of a polyhydroxy-alcohol which derivative retains a free hydroxyl and which derivative is soluble in both the oil and water.

1,739,687. LEG BAND FOR TROUSERS. HERMAN MINES, New York, N. Y., assignor to Mines Brothers, New York, N. Y., a Copartnership consisting of Louis Mines, Abraham Mines, and Herman Mines. Filed Aug. 13, 1928. Serial No. 299,147. 1 Claim. (Cl. 2-228.)



A garment comprising in combination, a leg portion, a fabric leg-band therefor stitched directly to said leg portion and extending substantially about said leg portion, a lining for said leg-band stitched thereto at its periphery, a leather

strap extending from one end of said leg-band, attaching means comprising a concealed seam for attaching said strap to said band and lining between said band and lining, and a seam on the outside of said band extending completely through said band, lining and strap, and a buckle attached adjacent the opposite end of said leg-band and adapted to engage the strap.

1,739,688. EXTENSION DEVICE. NELS T. NELSON, Attleboro, Mass., assignor to J. F. Sturdy's Sons Company, Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Nov. 5, 1928. Serial No. 317,378. 3 Claims. (Cl. 24-71.)



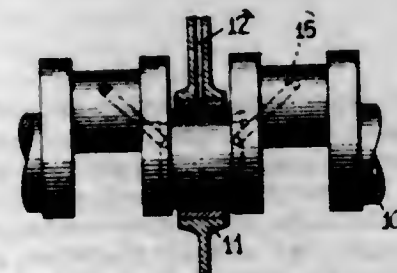
3. In a wrist strap having two strap parts, an extension device comprising a body section, a cover section, an intermediate section pivotally connecting said body and cover sections and foldable therebetween, means for changing the position of one of said pivotal connections, means for connecting one end of one strap part to the cover section, and means for connecting an end of the other strap part to the body section.

1,739,689. FLEXIBLE BAND, CHAIN, OR LINKAGE. ALMYR L. NEWMAN, Warwick, R. I. Filed Mar. 2, 1928. Serial No. 258,606. 8 Claims. (Cl. 59-79.)



3. In a device of the type specified, the combination of a box-link having a top-portion, sides bent at right-angles thereto and bottom-portions folded inwardly therefrom with integral tabs projecting from the bottom-portions and bent into arcuate shape, a pin riveted through the sides of the box-link at the open end thereof and arranged to bear against the arcuate tabs to be reinforced thereby, a slide-link formed with a relatively wide hook at its end adapted to hook around the cross-pin in the box-link, a latch-member rockably held within the slide with its end projecting between the reinforcing tabs in position to retain the hook in engagement with the cross-pin, and a spring operating on the latch to normally hold its end in cooperative relation with the hook.

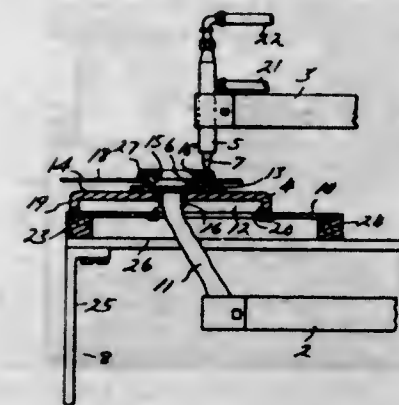
1,739,690. OILING SYSTEM. ARTHUR NUTT, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a Corporation of New York. Filed Feb. 24, 1927. Serial No. 170,516. 1 Claim. (Cl. 184-7.)



A crank shaft comprising a hollow main bearing portion, a crank cheek at each end of said bearing portion, and a crank pin at the outer end of each crank cheek; said crank cheeks and said crank pins collectively providing at

each side of said bearing portion a crank shaft offset to which is fastened a connecting rod; said main bearing portion having formed therein, at that side thereof off from which the crank cheeks extend and at a point in the plane of the resultant of the centrifugal forces produced by the rotation of said crank shaft offsets and said connecting rods, an oil inlet passage open at one end to the hollow of said bearing portion; said oil passage constituting the only oil inlet passage leading into the hollow of said bearing and said oil inlet passage, due to the centrifugal forces produced by the rotation of said crank shaft offsets and said connecting rods, being constantly held with its inlet end in firm bearing contact within the bearing surface within which said main bearing portion is held, whereby a minimum of oil is liberated onto said bearing surface as said bearing portion revolves; and an oil supply duct terminating at said bearing surface for supplying oil to said oil inlet passage once only during each complete revolution of the crank shaft.

1,739,691. WELDING APPARATUS. WILLIAM H. PIERSON, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 5, 1928. Serial No. 259,324. 10 Claims. (Cl. 219-4.)



1. In a welding apparatus, the combination with an upright electrode and a welding point at one end thereof, of a co-operating electrode shiftable in a plane disposed at substantially right angles to the upright electrode, and a welding point carried by the last mentioned electrode having flanges adapted to be alternately positioned in substantial alignment with the welding point aforesaid of the first mentioned electrode when the second mentioned electrode is shifted.

1,739,692. HERMETICALLY-SEALED PACKAGE AND METHOD OF SEALING. ABRAHAM FODEL, Bronx, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Dec. 15, 1926. Serial No. 154,973. 9 Claims. (Cl. 215-40.)



1. A hermetically sealed package comprising a container having a substantially cylindrical sealing wall, an annular holding bead on said sealing wall, a closure cap

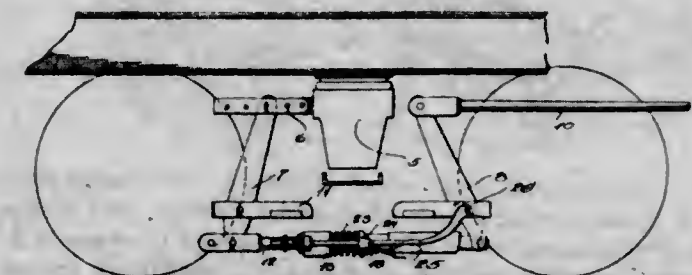
having a cover portion and a depending skirt, a bead in said skirt, the lower side of the bead in said skirt being an inwardly extending holding flange, and a gasket in said bead, the free edge of said skirt being turned upwardly into said gasket to press said gasket laterally against the holding bead and the side wall of the container to lock said cap firmly in position and to form a hermetic seal.

1,739,693. THERMOMETER CASE. CLAUDE S. J. RUSSELL, Watertown, N. Y., assignor to Fairbairn Instrument Corporation, Watertown, N. Y., a Corporation of New York. Filed May 4, 1928. Serial No. 275,086. 9 Claims. (Cl. 206-16.5.)



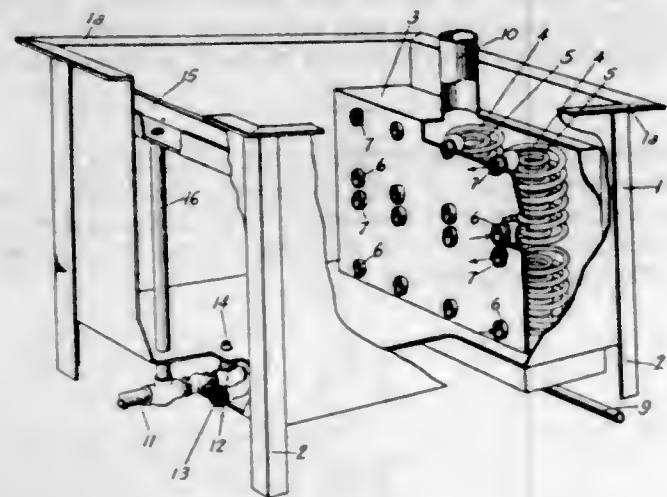
4. As a new article of manufacture a pocket thermometer casing comprising a barrel adapted to contain two thermometers, a plug for closing the mouth of the barrel and provided with apertures for inserting the thermometers, a single member secured in said plug and held centrally in the barrel to separate the thermometers, said single member having spring portions engaging the thermometers.

1,739,694. SLACK ADJUSTER. WILLIAM H. SAUVAGE, New York, N. Y., assignor, by mesne assignments, to Gould Coupler Company, New York, N. Y. Filed Feb. 9, 1925. Serial No. 7,957. 3 Claims. (Cl. 188-201.)



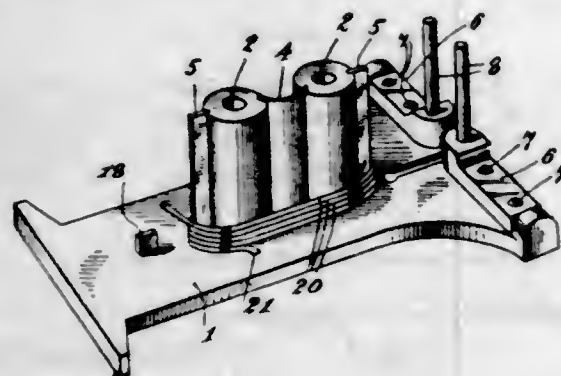
1. In an apparatus of the character described, in combination, a two-part telescopic push rod adapted to have its effective length varied for permanently taking up and holding the excess travel, and means for holding the push rod in its newly adjusted position comprising a plurality of shims, a housing formed in one of the parts of the push rod within which said shims are located, the cooperating part of said push rod being provided with a slot beneath the shims whereby said shims may be raised on insertion of a member through said slot to permit relative movement of one part with respect to the other part of said push rod.

1,739,695. CLEANING TANK. CHARLES H. SLAUGHTER, Columbus, Ohio. Filed Nov. 12, 1925. Serial No. 68,645. 1 Claim. (Cl. 126—380.)



In a cleaning apparatus, a tank adapted to contain a cleaning solution, supports for said tank, said supports serving to elevate the bottom wall of said tank above the floor level, a casing disposed within said tank, the sides for one end of said casing being spaced from the sides and top of said tank and the open end of said casing extending through the bottom wall of said tank, a plurality of independent coil units arranged in vertically aligned separated pairs within said casing, each of said coils having separate inlet and outlet in communication with the interior of said tank and at various positions both vertically and laterally, a flue extending from the top of said casing and means for heating each pair of coil units.

1,739,696. METHOD AND APPARATUS FOR MANUFACTURING FRAMES FOR SUNGLASSES AND THE LIKE. FRANK SPILL, East Rutherford, N. J., assignor to The Spill Manufacturing Co., Inc., East Rutherford, N. J., a Corporation of New Jersey. Filed Jan. 21, 1928. Serial No. 248,354. 10 Claims. (Cl. 18—3.)

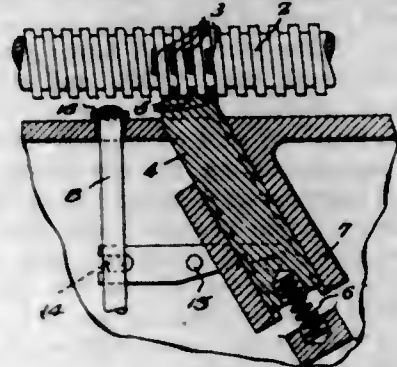


1. In a device of the class described, the combination of a frame having a pair of members thereon, and means for setting a rod coiled about said members to cause it to conform thereto, thereby providing a plurality of frames for spectacles.

1,739,697. SLICING-MACHINE FOR SLICING MEAT OR THE LIKE. CORNELIS FRANCISCUS MARIA VAN BEEKEL, Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed Aug. 12, 1926. Serial No. 128,905, and in the Netherlands May 27, 1925. 9 Claims. (Cl. 146—102.)

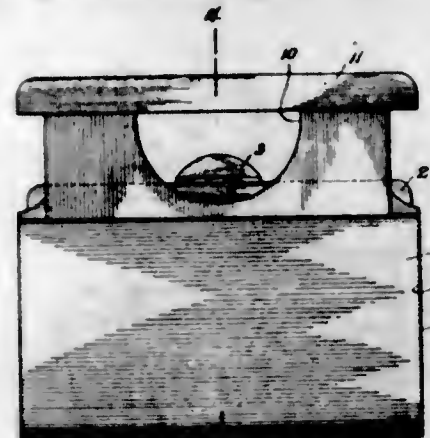
1. In a slicing machine, a slicing knife, a work support, a screw thread for moving said work support, a nut on said work support for engaging said screw and rigidly held against movement relative to said work support in a

direction toward the cutting plane of said slicing knife, and means for exerting resilient force between said screw



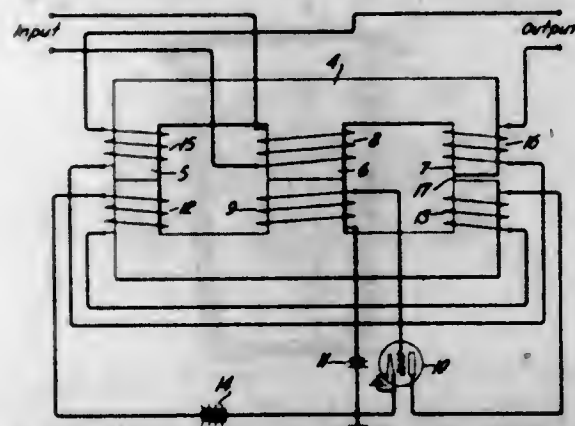
thread and work support in a direction on said work support away from the cutting plane of said knife for overcoming backlash in said screw thread.

1,739,698. HAND BAG. OSSIP JOSEPH WALINSKY, New York, N. Y. Filed June 22, 1928. Serial No. 287,425. 4 Claims. (Cl. 150—33.)



4. A hand bag providing a slip pocket, a handle having a lower flexible portion secured entirely within said slip pocket, said handle having a less flexible upper portion permanently secured to said flexible lower portion and slidable into and out of said slip pocket by virtue of the flexibility of the lower portion, said handle having a bar along the upper edge of said less flexible portion, said bar providing a hand hold when the handle is slid out of the pocket and said bar extending along the upper edge of the bag in exposed position when the handle is slid into said pocket.

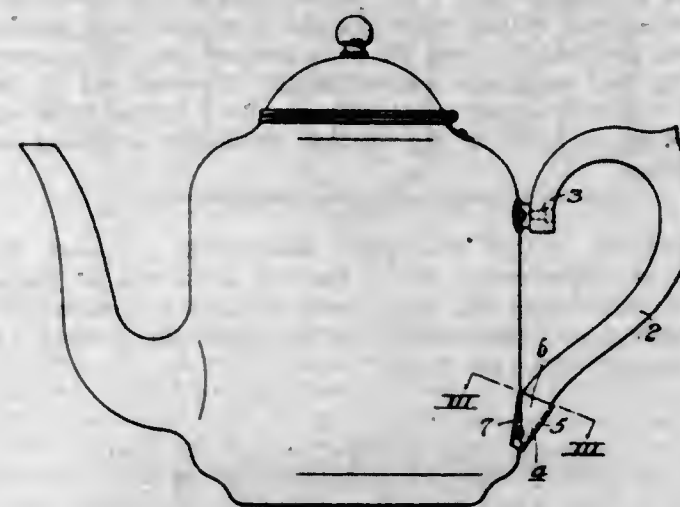
1,739,699. ELECTRICAL TRANSMISSION CIRCUITS. HORACE WHITTLE, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 30, 1926. Serial No. 132,601. 5 Claims. (Cl. 179—171.)



1. In combination, a transmission element having input and output terminals, and a combined input and output

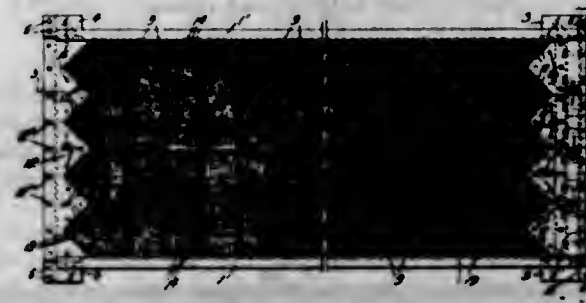
transformer therefor comprising a branched core structure, input transformer windings mounted on one branch and output transformer windings mounted on another branch, and means for controlling the wave transmission characteristics of the combination comprising means for unbalancing said transformer to provide coupling between said input and output windings.

1,739,700. HANDLE SOCKET AND PROTECTOR. JOHN H. WILSON, New Kensington, Pa., assignor, by mesne assignments, to The Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1927. Serial No. 234,662. 1 Claim. (Cl. 53—3.)



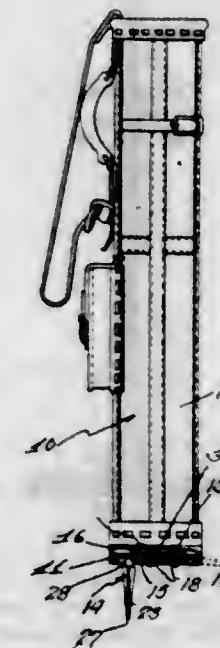
A socket member for pot handles and the like comprising a member folded adjacent to its mid portion along substantially parallel lines to form the bottom wall of the socket and folded along diagonal lines extending outwardly from the outer sides of the parallel lines to the edges of said member to form wing portions that are disposed at an angle to the said bottom wall, and to form side walls, the side and bottom walls defining a tapered recess that is open at its upper end and closed at its lower end.

1,739,701. SCREEN. WILLIAM C. WILSON, Port Washington, N. Y. Filed Aug. 18, 1925. Serial No. 50,911. 2 Claims. (Cl. 209—400.)



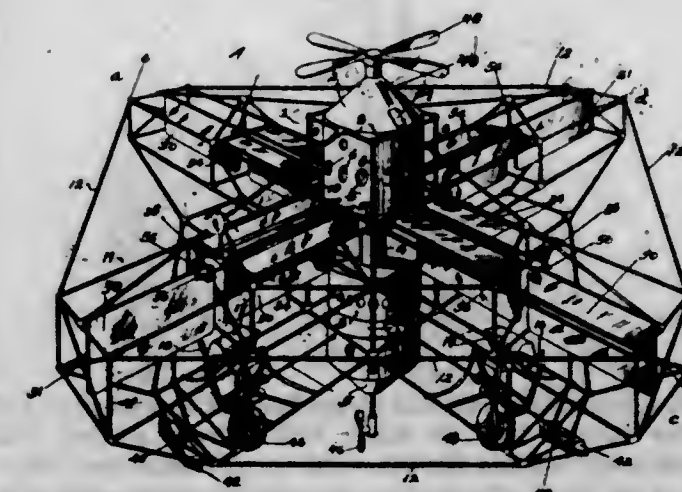
2. A screen embodying a suitable frame composed of side and end members, wire-fastening means at one end of said frame, a plurality of independently mounted and removable wire-fastening plates mounted at the opposite end of said frame, a series of wires strung between each of such wire-fastening plates and the opposite end of said frame, removable clamping means for connecting the wires to said series of plates, bolts for moving said plates relatively to said frame to tension the said wires, and means for supporting said wires between the ends of said frame.

1,739,702. GOLF-BAG SUPPORT. ROY E. WING, Detroit, Mich. Filed May 21, 1928. Serial No. 279,482. 4 Claims. (Cl. 150—1.5.)



1. As a new article of manufacture, an anchor for supporting golf bags and the like in an upright position, said anchor comprising a member secured to the bag or the like having a bearing portion, an axially movable shaft in said bearing portion, a ground engaging element carried by said shaft, and means normally urging said shaft axially of said bearing portion to form an interlocking engagement between the bearing portion and element.

1,739,703. AIRPLANE. ALBERT WINTERKORN, Columbus, Ohio. Filed Sept. 25, 1928. Serial No. 308,282. 13 Claims. (Cl. 244—15.)



1. In an airplane, a centrally and vertically situated body, a substantially cross shaped frame structure secured to and extending horizontally from said body, each of the sections of said frame structure being provided with pivotally movable wings capable of assuming horizontal or vertical positions, a motor mounted upon each of said sections, and a propeller driven by each of said motors.

1,739,704. COMBINED MOP AND WRINGER. ARTHUR YANCY, New Orleans, La., assignor to Squeez Eay Mop Co., Inc., a Corporation of Louisiana. Filed Feb. 11, 1926. Serial No. 87,598. 2 Claims. (Cl. 15—120.)

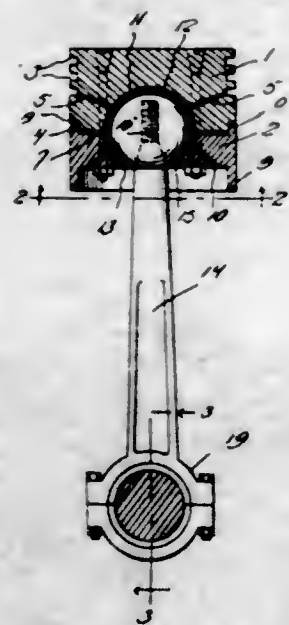
1. A mop comprising a handle, a revoluble and longitudinally slidable sleeve thereon, a cylindrical fabric of

fish-net mesh loosely fitted about said handle and attached at one end near the end of the handle and at the other to



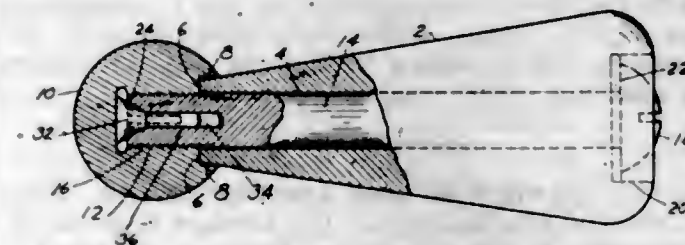
the movable sleeve, said net having the diagonals of its meshes approximately parallel and perpendicular to the mop handle when in the untwisted condition.

1,739,705. CONNECTING ROD AND PISTON CONSTRUCTION. CLAUDE E. BARNES and JOHN A. JOHNSON, Poteau, Okla. Filed Dec. 5, 1927. Serial No. 237,849. 1 Claim. (Cl. 74-108.)



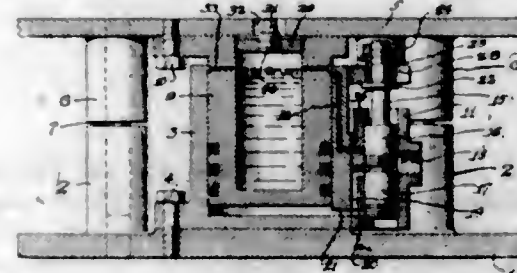
In a connecting rod and piston connection comprising a piston divided into an upper and a lower section, the upper section being formed with a circumferential channel at its lower edge portion, the lower section being provided with an upstanding circumferentially extending flange engageable within the channel for preventing disalignment in the sections, the upper section being provided with a socket, a semi-spherical shaped bearing body for disposition within said socket and having a groove at its inner side, the lower section being formed with an opening therethrough, a connecting rod for disposition through said opening, a ball secured to the upper end of said rod, the upper portion of said ball being adapted to engage within the semi-spherical shaped bearing, and a bearing ring for disposition within the opening of the lower section, said ring being of a curvature in cross section to conform with the peripheral curvature of the ball, and means for securing the sections together, said upper section being provided with a duct extending inwardly from the outer side of the same to communicate with said groove on the upper bearing structure.

1,739,706. HANDLE. LEON J. BARWOOD, Allston, Mass. Filed Apr. 2, 1925. Serial No. 20,270. 1 Claim. (Cl. 287-125.)



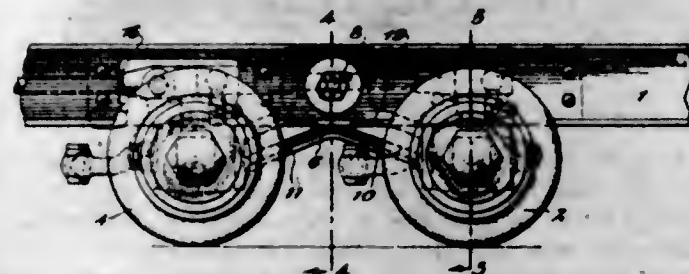
A handle structure comprising a body portion having a screw-threaded opening, a threaded pin having a threaded end threaded into the opening and another end provided with an enlargement, a handle having a longitudinally extending bore within which the pin is mounted, the handle being confined between the body portion and the enlargement, and means for expanding the threaded end of the pin into tight engagement with the walls of the threaded opening to lock the pin against accidental loosening by rotation.

1,739,707. JOLT PACKING MACHINE. GEORGE W. BLAKE, Wyandotte, Mich., assignor to George W. Blake Manufacturing Co., Wyandotte, Mich., a Corporation of Michigan. Filed Mar. 28, 1927. Serial No. 178,964. 4 Claims. (Cl. 121-14.)



1. A packing machine comprising a base, a top mounted over said base, a co-operating cylinder and piston carried by said base and top respectively, means for admitting pressure fluid to and the exhaust of fluid from said cylinder including a reversing valve having a stem, a thimble detachably mounted on said stem, and a member carried by said top to engage the thimble, said thimble being of greater length than the thickness of said member to provide lost motion between said member and stem, whereby said valve is moved with a short quick movement at the ends of the stroke of said piston and the length of such stroke may be adjusted by substituting thimbles of different lengths.

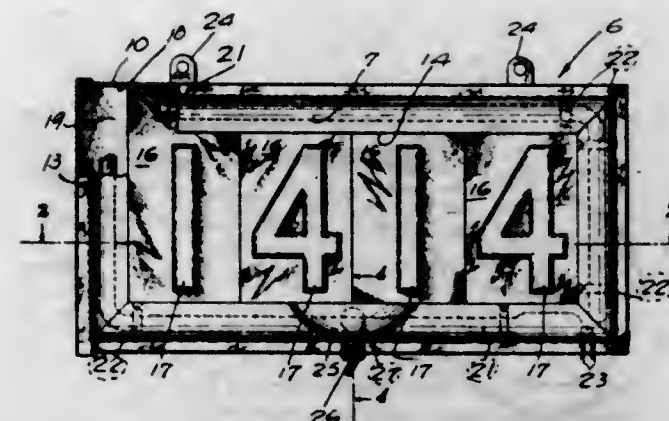
1,739,708. INDUSTRIAL TRUCK. WILLIAM C. CARR, Buffalo, N. Y., assignor to The Automatic Transportation Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Nov. 3, 1926. Serial No. 145,983. 1 Claim. (Cl. 280-81.)



An industrial truck having a chassis provided with forwardly extended side bars and a springless front wheel supporting unit comprising a yoke having a central knuckle fitted between the side bars and forward and rearward projecting arms, a pin connected to said side bars in a

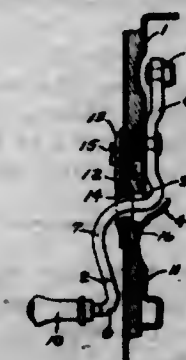
plane between their tops and bottoms and extending through said knuckle, said pin providing a transverse axis about which the knuckle may rock, front and rear axles pivotally mounted at their centers on said arms for movement about longitudinal axes, said axles projecting under and beyond said side bars, and supporting wheels mounted on the end of said axles.

1,739,709. ILLUMINATED HOUSE NUMBER. PETER JOSEPH CHIAPETTO, Oakland, Calif. Filed Nov. 7, 1928. Serial No. 317,715. 5 Claims. (Cl. 40-130.)



1. In a device of the character described, a housing having a front wall, a rear wall, a top and bottom, and an end wall at one end thereof, the other end thereof being open; tracks formed at the opposite longitudinal edges of the rear wall by the bent edges of the top and bottom; an indicia bearing plate adapted to be inserted endwise thru said open end into said tracks and being held in place thereby; said front wall having an opening therein opposite said plate; and a bent illuminating tube supported in said housing around the said opening.

1,739,710. REMOTE-CONTROL-LEVER ASSEMBLY FOR DOOR LATCHES. JAMES H. CLARK, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 8, 1927. Serial No. 158,752. 6 Claims. (Cl. 296-44.)

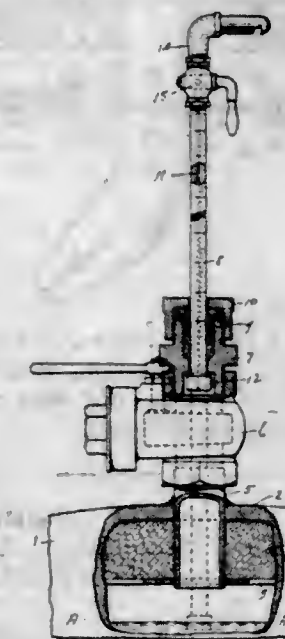


1. In an assembly of the class described, the combination with a panel having an arcuate slot therein, of a lever having an intermediate transversely extending portion extending through the slot and having oppositely extending longitudinal portions disposed upon opposite sides of said panel, one of said longitudinal portions being bowed outwardly with respect to said panel and spaced therefrom, and the other of said longitudinal portions being pivotally connected to said panel and having means for receiving a remote control link attaching means.

1,739,711. GAUGING DEVICE. EDWARD W. CRELL, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed Apr. 12, 1926. Serial No. 101,447. 4 Claims. (Cl. 116-109.)

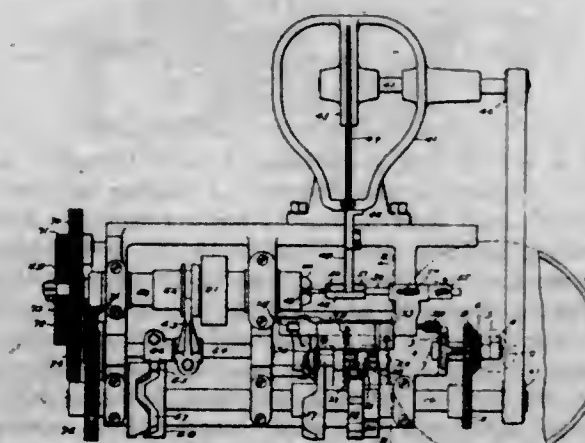
1. In combination, a tank, a liquid level gauge comprising a tube depending in said tank, the exposed end

of said tube communicating with the outside of said tank, and the other end of said tube communicating with the inside of said tank and adapted to make contact with the surface of the liquid as the latter rises and falls, an



audible signal device connected to the exposed end of said tube, said signal device adapted to indicate the flow of vapor through said tube, and also, to indicate the discontinuance of said flow of vapor.

1,739,712. MACHINE FOR APPLYING NUTS TO SCREWS, BOLTS, AND STUDS. REUBEN S. CROSBY, Hartford, Conn., assignor to The Asa S. Cook Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 1, 1927. Serial No. 237,025. 4 Claims. (Cl. 10-155.)

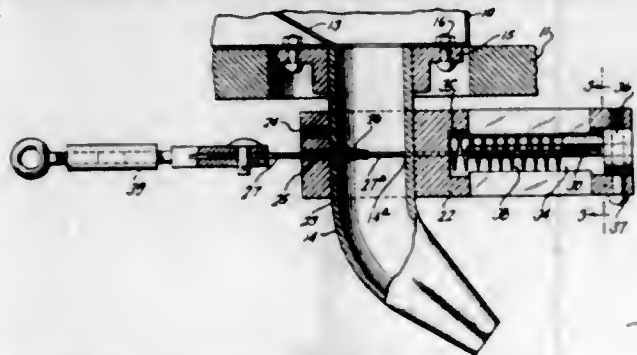


3. A machine for turning nuts upon screws comprising a chuck, means for rotating and opening and closing the chuck, a screw hopper, mechanisms for feeding screws from the screw hopper into line with the chuck, a nut hopper, mechanisms for feeding nuts from the nut hopper into line with the chuck, and means causing them to push the heads of the screws into the chuck, a cam shaft, and cams on the cam shaft timed to actuate the chuck opening and closing mechanism, the screw feeding and the nut feeding mechanisms a plurality of times for each rotation of the cam shaft.

1,739,713. SKID PREVENTION FOR AUTOMOBILES. FREDERICK DODGE, Astoria, N. Y. Filed Sept. 21, 1927. Serial No. 220,930. Renewed Oct. 31, 1929. 3 Claims. (Cl. 291-34.)

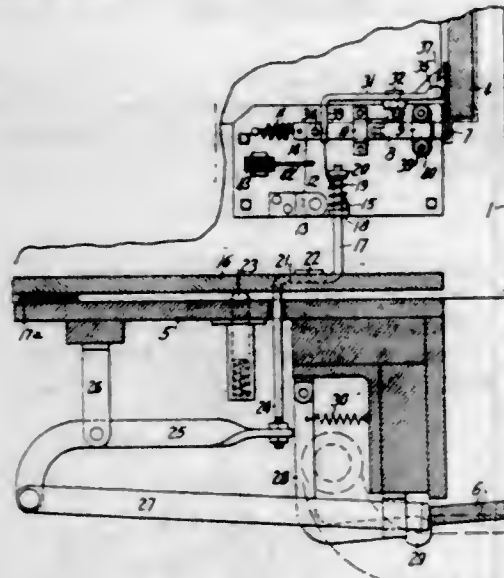
1. In a skid prevention device for automobiles, in combination, a pipe for conveying sand, a supporting device

having an opening through which said pipe passes, a valve member in said supporting device for controlling the flow of sand through said pipe, said valve member comprising



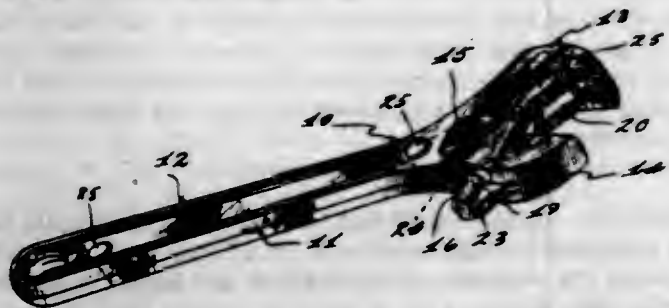
a sliding plate having a part entering a slot in said pipe to cut off the flow of sand therethrough, and spring means acting between said valve member and said supporting device tending to hold said valve closed.

1,739,714. SAFETY DEVICE FOR STREET CARS AND SIMILAR VEHICLES. JOHN DOLAN, Dayton, Ohio. Filed Sept. 14, 1926. Serial No. 135,453. 23 Claims. (Cl. 105-341.)



1. In a car having a doorway, a door therefor, and a platform adjacent to said doorway, a locking member connected with said door, a second locking member movable into locking position with relation to the first mentioned locking member to retain said door in its open position, a part movably mounted adjacent to said platform and arranged to be actuated by a passenger passing through said doorway, an operating device mounted independently of said second locking member and said movable part and operatively connected with said second locking member to move the latter to said locking position, and means actuated by said movable part to control the operation of said operating device.

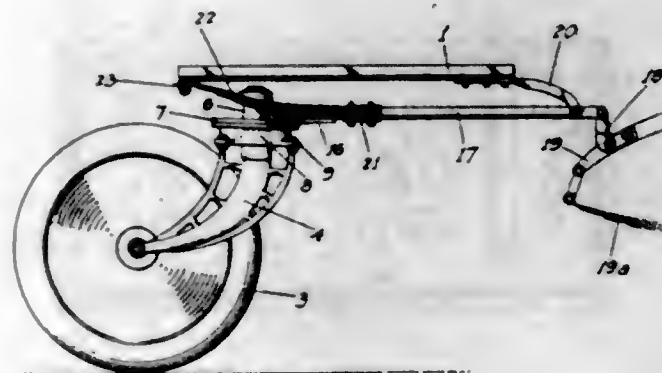
1,739,715. WRENCH. GEORGE E. ECKLAND, Detroit, Mich. Filed June 14, 1928. Serial No. 285,496. 2 Claims. (Cl. 81-105.)



1. A two-part wrench of the sliding jaw screw operated type, the parts of which are adapted to be formed by drop

forging, having on their inner faces complementary groove portions for receiving the shank of the sliding jaw and apertured portions for receiving the thumb screw with complementary recesses forming a journal bearing for the screw pin whereby when the two parts are assembled said thumb screw is held in position thereby to be operable from the outside.

1,739,716. VEHICLE TRAILER. JOSEPH B. FISHER, Strathmore, Calif. Filed Oct. 27, 1927. Serial No. 229,033. 4 Claims. (Cl. 280-33.4.)

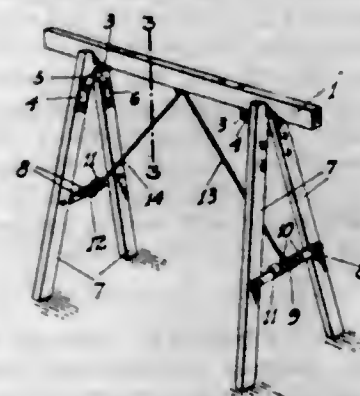


1. A trailer including a bed structure, a wheel thereunder, supporting means for the wheel, a draft beam connected to said supporting means and extending forwardly thence under the bed, a spring connected to the beam and to the bed adjacent one end of the latter, and a link secured to the bed at the other end thereof and pivoted onto the beam adjacent said other end of the bed.

1,739,717. METHOD OF TREATING SHAVINGS AND SCRAP OF LIGHT METAL AND ALLOYS THEREOF. JOHN A. GANN, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Nov. 8, 1926. Serial No. 147,195. 10 Claims. (Cl. 75-17.)

1. In a method of treating light metal, the steps which consist in adding the same to a bath of suitable flux and like metal, heating the mixture to a condition of partial fusion of the metal, agitating the mass until the metal coalesces, and subsequently raising the temperature to render the metal sufficiently fluid to permit substantially complete separation of the flux and sludge from the metal.

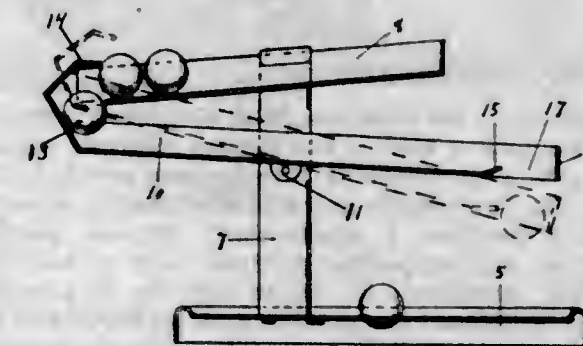
1,739,718. SCAFFOLD HORSE. ANDREW N. GOULDH, Stockton, Calif. Filed Mar. 29, 1928. Serial No. 265,572. 4 Claims. (Cl. 304-5.)



1. A horse including a top-bar, and opposed leg units pivoted thereon for folding movement lengthwise thereof,

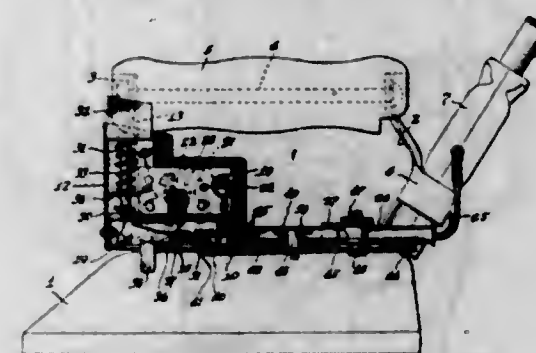
independent brace rods flexibly but permanently connected at one end to the leg units below the upper ends thereof and arranged to extend thence upwardly toward each other and toward the bar, and a lug depending from the bar to be detachably engaged by the upper ends of the rods in common.

1,739,719. GRAVITY TOY OR GAME. LESTER S. GUNDERMAN, Pittsburgh, Pa. Filed Dec. 23, 1927. Serial No. 242,034. 4 Claims. (Cl. 46-37.)



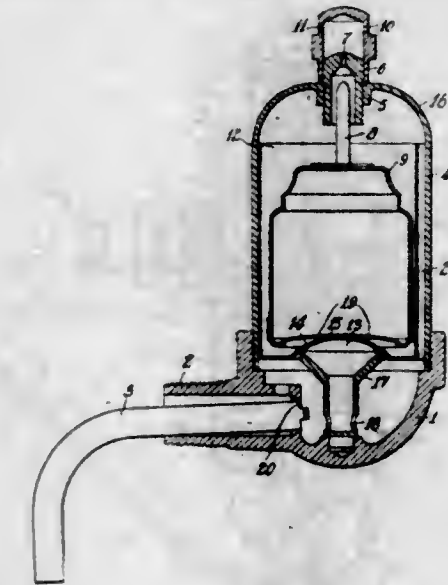
1. An automatic toy, the combination of an upright, a magazine at the upper end of the upright, a rocking runway pivotally mounted on the said upright, a tongue bent upward and backward at the upper end of the runway, said tongue being so positioned that marbles contacting with the upward bent portion when passing over the end of said magazine rock the runway downward whereby said marbles or such like spherical objects are delivered one at a time onto the said runway to be discharged at the other end thereof.

1,739,720. ELECTRIC IRON. FRANK H. HANLEY, Detroit, Mich., assignor to Hanley Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed May 17, 1926. Serial No. 109,603. 4 Claims. (Cl. 200-138.)



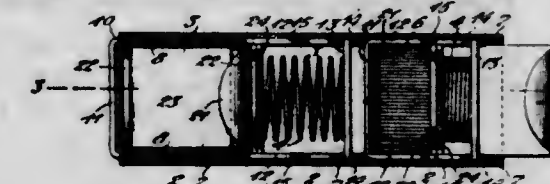
1. In combination with a switch for controlling an electric current, a spring supported plunger adapted to be depressed and held to close said switch, said plunger being adapted to be released to open said switch, and a plunger member connected to said plunger and switch for actuating the latter, manually and automatically operated means for controlling said plunger member, said means including a trip member engageable with said plunger member to hold it with said switch closed, and a thermostatic device controlling movement of said trip member to release said plunger member.

1,739,721. RADIATOR VALVE. CHARLES H. JOCKMUS, Ansonia, Conn. Filed Feb. 1, 1927. Serial No. 165,118. 11 Claims. (Cl. 236-65.)



1. A valve comprising a chamber having an air vent and an entrance for steam, a float disposed in said chamber and adapted to cause closing of said vent when said float is subjected to heat, a post, and a shield disposed upon said post and supporting said float.

1,739,722. EXPANSIBLE BAND OR BRACELET. CHARLES H. KESTENMAN, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Filed Jan. 10, 1927. Serial No. 160,235. 3 Claims. (Cl. 59-79.)

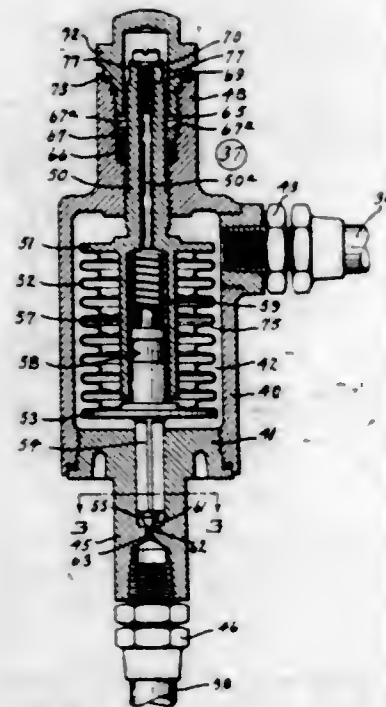


1. In an expansible band, chain or linkage, the combination of outer links having relatively flat top portions, sides bent downwardly therefrom and folded inwardly to form bottom-flanges, a substantially rectangular rigid frame inserted between the sides of the outer link and formed with notches in the edges of its side members, said frame rigidly secured within the outer link by indenting the metal of the bottom-flanges to engage the notches in the sides of the frame, and a sliding link fitted to slide between the sides of the main link and adapted for connection with the frame in the next adjacent main link of a series.

1,739,723. REFRIGERATING APPARATUS. JESSE G. KING, Dayton, Ohio, assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,433. Renewed June 29, 1929. 3 Claims. (Cl. 297-8.)

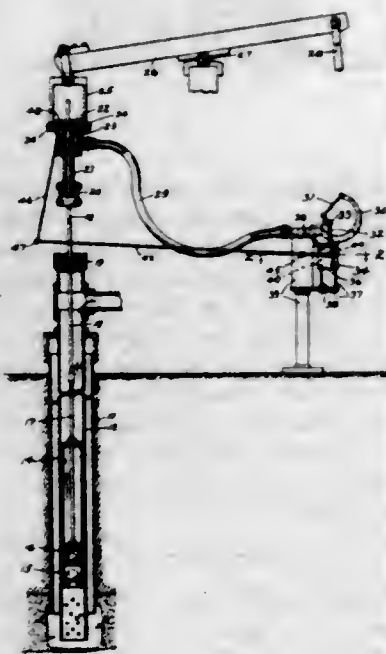
1. In a temperature responsive valve, the combination with a body for receiving a fluid and provided with a valve seat element; of a movable valve stem element co-operating with said valve seat for controlling the flow of said fluid; a thermostat including a closed expansible and contractile fluid container and a spring within said container normally tending to maintain the valve stem element in a certain position, said thermostat being en-

closed within said body for actuating said valve elements relatively to one another, and means operable from the



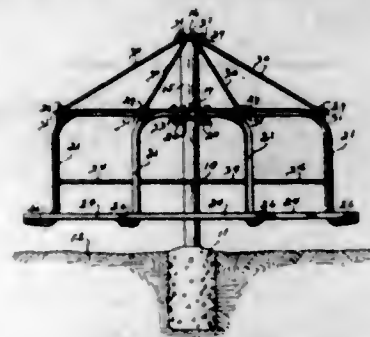
exterior of the body for adjusting the tension of said spring to control the temperature at which said thermostat opens or closes said valve.

1,739,724. RECORDING DYNAMOMETER AND METHOD OF MEASURING LOAD VARIATIONS. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,683. 31 Claims. (Cl. 265-2.)



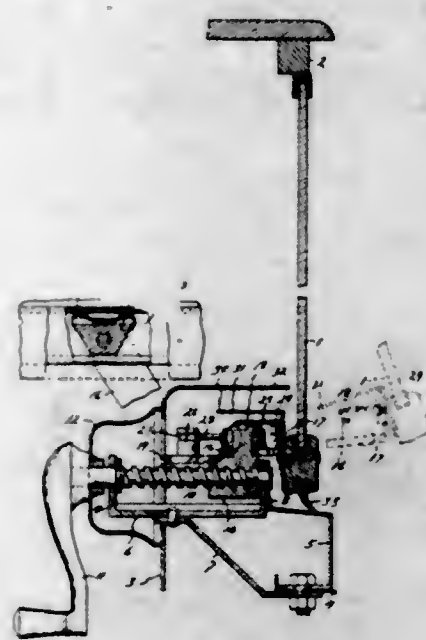
1. Means for recording load variations in a deep well pump comprising a dynamometer head containing a non-compressible fluid body, said head being adapted to be interposed between the pump and actuating means whereby the load stress is transmitted to said body, a recording member actuated from said body, a chart upon which said member records a curve, and means adapted to be connected with the pump for reciprocating said chart during recording.

1,739,725. MERRY-GO-ROUND. RALPH F. LAMAR, Pueblo, Colo. Filed Aug. 29, 1927. Serial No. 216,162. 6 Claims. (Cl. 272-33.)



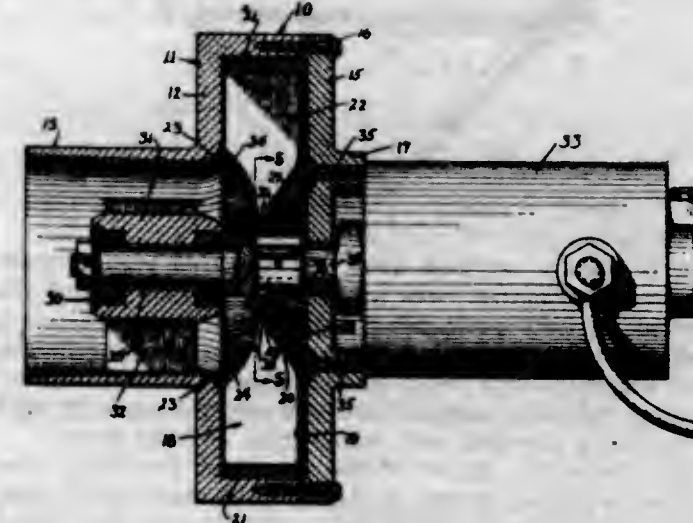
6. A device of the class described comprising a vertically arranged axle or mast, a hub member rotatably mounted on said axle, arms extending radially from said hub member and then downwardly and having outwardly extending supporting portions, a substantially annular platform mounted on said supporting portions, each of said arms being rigid throughout its length whereby to provide a relatively immovable support for said platform and permitting it to move only in an annular path, an apertured lug secured to each arm near the point where it starts to extend downwardly, brace rods secured to the upper portion of the hub member and each extending through one of said apertured lugs, and a holding member mounted on each brace rod in engagement with the outer face of the corresponding lug.

1,739,726. WINDSHIELD REGULATOR MECHANISM. WILLIAM MARSHALL and CURTIS W. BEHNKE, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 29, 1927. Serial No. 200,090. 11 Claims. (Cl. 296-84.)



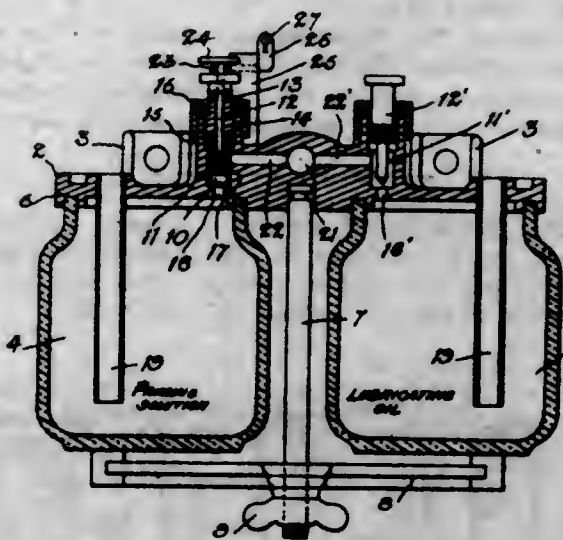
9. In a windshield construction, a swinging windshield, a bracket rigidly mounted adjacent thereof, and actuating means for said windshield including a horizontally disposed rotatable screw extending at right angles to the windshield and journaled in said bracket, a carrier movable longitudinally of said screw, a connection between said carrier and windshield including a horizontally disposed lever having one end journaled upon and movable with said carrier and having the opposite end thereof movable in a plane parallel and operatively connected to said windshield, and a connection between said lever and bracket.

1,739,727. ELECTRIC SIREN. LESTER H. MILES, Los Angeles, Calif. Filed Mar. 29, 1927. Serial No. 179,210. 2 Claims. (Cl. 177-7.)



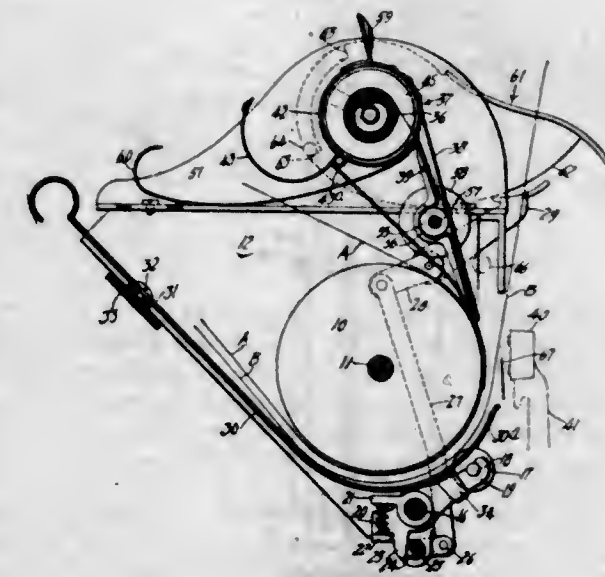
1. In a siren, a casing, a rotor in said casing, an electric motor associated with said casing, clutch means connecting said rotor and the motor armature, said clutch comprising coacting members so arranged that when said motor rotates, said rotor is clutched thereto and rotates therewith and when the speed of said armature decreases the rotor continues to rotate independently of said motor.

1,739,728. COMBINED PRIMER AND LUBRICATOR FOR GASOLINE ENGINES. GEORGE A. MONUMENT, Toronto, Ontario, Canada, assignor of one-third to Archibald Edgar Wilson and one-third to Howard Campbell Hoops, Toronto, Canada. Filed July 10, 1928. Serial No. 291,512. 2 Claims. (Cl. 123-137.5.)



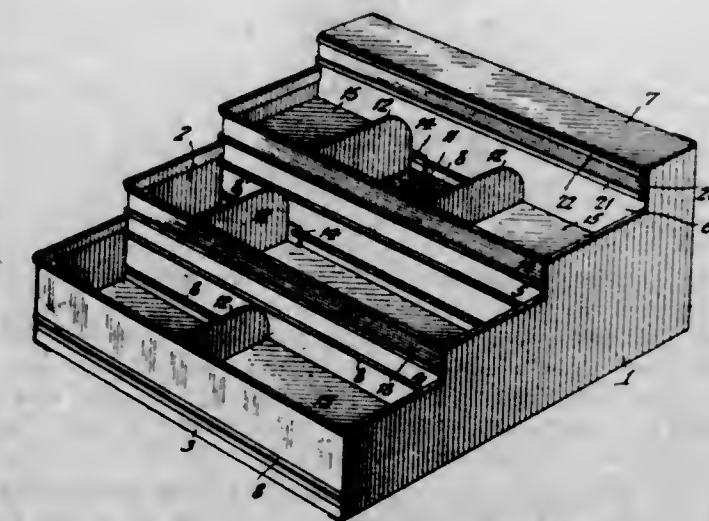
1. A combined primer and lubricating device embracing a cover; a pair of containers one containing the priming solution and the other the lubricant, into each of which opens an outlet port formed in said cover; means whereby said containers are held in cooperative relationship with said cover; a constantly open air conduit opening through said cover and depending into each of the said containers; the said cover being provided with chambers in communication with said outlet ports, and being further provided with ports opening from said chambers into a common outlet port; valves in said chambers to control the passageway through said outlet ports, and a conduit adapted to connect said device with the intake manifold of an internal combustion engine.

1,739,729. TYPEWRITING MACHINE. JAKOB MUGGLI, Zurich, Switzerland, assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 17, 1926, Serial No. 136,108, and in Switzerland Oct. 15, 1925. 19 Claims. (Cl. 197-131.)



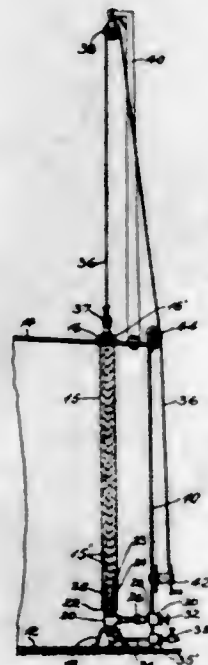
1. In a front-strike typewriting machine having a platen, typing elements and a ribbon for typing upon an outer work-sheet, manifolding means for an under work-sheet, including a supply-roll of carbon, a carbon-delivering chute and a carbon feed-roll all mounted above the platen and between the two work-sheets, the chute tapering from the supply-roll to a point adjacent the typing line with the carbon hanging pendent therefrom between the two work-sheets across the typing line.

1,739,730. DISPLAY CABINET. RUDOLPH ORTHWINE, New York, N. Y. Filed Mar. 3, 1927. Serial No. 172,269. 2 Claims. (Cl. 211-128.)



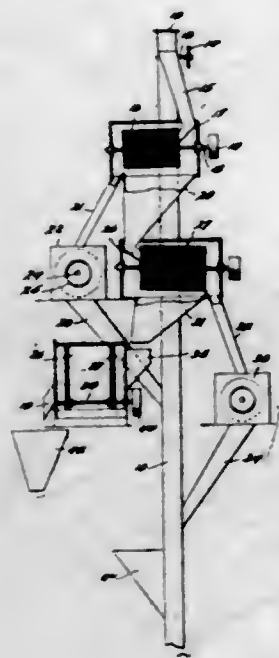
2. In a display cabinet, a plurality of compartments the rear wall of a compartment extending above the front and side walls thereof and constituting the front wall of the next succeeding compartment, said rear wall being of metal bent to form a reinforcement at the upper edge, extending vertically downward along the front face of the wall for a substantial distance and reversely bent to form a supporting groove.

1,739,731. LIQUID-SAMPLER FOR TANKS. PATRICK H. OSBORNE, Huntington Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed Sept. 23, 1928. Serial No. 308,811. 6 Claims. (Cl. 137-18.)



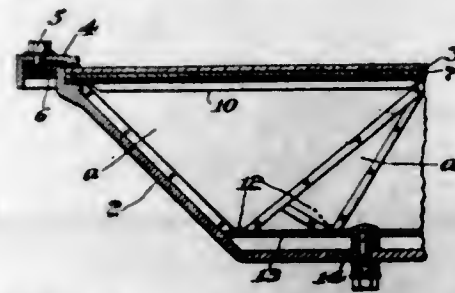
1. A sampling device for mobile materials comprising a sampling tube adapted to be lowered into vertical position, a seat adapted to be engaged by said tube when in lowermost position, and a valve controlled conduit for removing materials trapped in said tube from a point adjacent to said seat.

1,739,732. METHOD OF MIXING FERTILIZERS. JEFFERSON M. PARRISH, Richmond, Va. Filed Nov. 10, 1926. Serial No. 147,578. 1 Claim. (Cl. 71-1.)



In a fertilizer mixer, the combination with an elevator and means for delivering the materials to be mixed to the elevator, of a coarse screen receiving the materials from the elevator, a coarse crusher receiving the tailings from the coarse screen and delivering the crushed materials to the elevator, a fine screen receiving the fines from the coarse screen, a fine crusher receiving the tailings from the fine screen and delivering the finely crushed materials to the elevator, and a mixer receiving the fines from the fine screen whereby the large and small lumps in the original mass of materials are separately crushed and the operation repeated until all of the batch is suitably pulverized and delivered to the mixer.

1,739,733. REFLECTING SIGNAL. CHARLES A. PERSONS, Worcester, Mass. Filed Oct. 12, 1927. Serial No. 225,768. 5 Claims. (Cl. 88-1.)



3. A hollow reflector unit for reflecting signals comprising three plates, each of triangular form, two of the margins of each plate being flanged and secured to similarly shaped margins of the other two plates whereby said plates form a shell of pyramidal shape having an interior reflecting surface, the unconnected edges of said plates being provided with backwardly directed flanges.

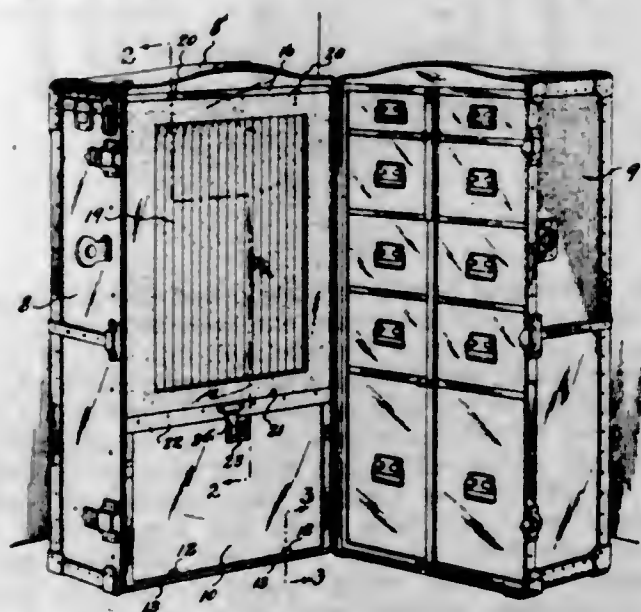
5. A reflecting signal of the character described, comprising a dished casing, a glass plate substantially closing the open end of said casing, a reflector in said casing behind said plate and consisting of a plurality of independent sheet metal reflecting units, each having an open end of approximately equilateral triangular outline, each unit having a reflecting surface of inverted pyramidal form, a support additional to said reflector, means to secure the apices of said units to said support, and means for fastening said support to the rear wall of the casing.

1,739,734. TREATMENT OF DECOLORIZING CLAYS. WARREN A. RAINE and RALPH C. POLLOCK, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed Dec. 21, 1922. Serial No. 608,382. 9 Claims. (Cl. 252-2.)

2. The process of preparing an adsorbent material from clay which comprises in reducing the clay to a thin paste with water and heating until imbibition is complete then adding sulphuric acid and heating, finally washing and drying the active material.

7. A process for preparing an adsorbent clay which comprises reducing the clay with water, heating to increase imbibition, heating with a strong acid capable of activating the clay, and washing the resulting material.

1,739,735. WARDROBE TRUNK. JOSEPH RAUCHBACH, Newark, N. J., assignor to The Rauchbach-Goldsmith Co., a Corporation of New Jersey. Filed Apr. 29, 1925. Serial No. 26,592. 5 Claims. (Cl. 190-18.)



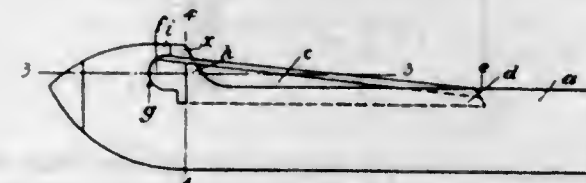
3. In a wardrobe trunk having two halves hinged together, one half provided with a plurality of

drawers and the other half provided with a compartment for garments and a removable box, the combination of means to secure said box in the front part of said compartment; a cover for said compartment; and means disposed between said cover and said box for securing said cover in closed position as well as for securing said box in the bottom of said compartment.

1,739,736. PRODUCTION OF CHLORO DERIVATIVES OF N-DIHYDRO-1,2,2',1'-ANTHRAQUINONE-AZINE. JOHN H. SACHS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 29, 1925. Serial No. 46,882. 14 Claims. (Cl. 200-31.)

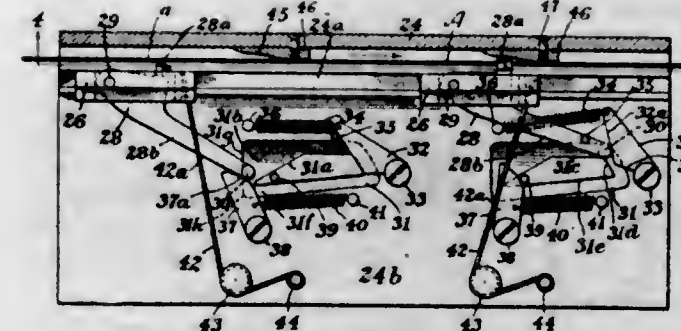
1. The process of chlorinating N-dihydro-1,2,2',1'-anthraquinone-azine which comprises suspending said anthraquinone-azine in sulphuric acid containing nitric acid, and subjecting the suspended azine to the action of hydrogen chloride formed in the reaction mixture.

1,739,737. PILE CUTTER FOR LOOMS. CARL SCHLEMPER, Obilgis, Germany. Filed Aug. 25, 1928. Serial No. 302,049, and in Germany Aug. 29, 1927. 6 Claims. (Cl. 139-44.)



1. A pile cutter for looms comprising a wedge-shaped knife blade, and a laminated holder for said blade composed of two interconnected plate strips forming a groove between them for the reception of the blade and having an enlarged head portion for the reception of the wide end of the blade, the ends of the groove being undercut so as to form overhanging edges adapted to engage over the ends of the blade and hold the latter in position, one of the holder strips being cut away opposite one end of the groove so as to form an open-ended slot through which the end of the blade can be deflected while it is being forced into the groove.

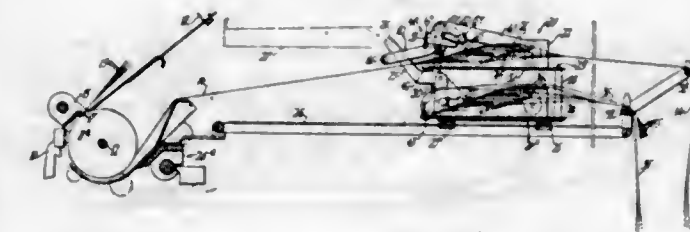
1,739,738. METAL-ALIGNING DEVICE. CONRAD SCHUMACHER, Lynbrook, N. Y., assignor to Auto Strop Safety Razor Co. Inc., New York, N. Y., a Corporation of New York. Filed July 16, 1926. Serial No. 122,779. 10 Claims. (Cl. 51-112.)



1. Means for aligning a perforated strip of metal while traveling comprising means to propel the strip, a slide member, guiding means therefor, a dog movably carried by said member and provided with a nose to enter holes in said strip while it is traveling to support and align the latter, a plate having edges to cooperate with said dog to permit its nose to enter and recede from said holes, the strip and nose causing the dog and slide member to travel with the strip in one direction, and means to operate the slide and dog in another direction.

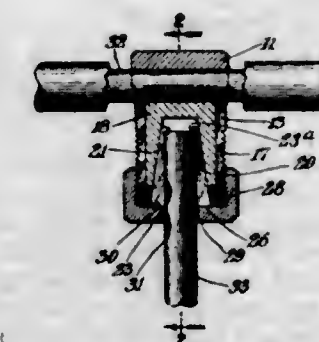
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1,739,739. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1927. Serial No. 215,338. 6 Claims. (Cl. 197-126.)



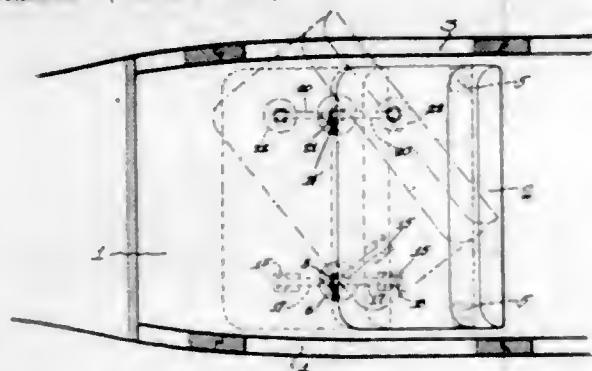
1. In a set of two carbon-carriers, one superposed above the other, in a continuous billing, carbon-stripping typewriter machine, which machine has a revoluble platen and a web-course arranged for passing two multiple-ply work-webs, one above the other, to the platen to be typed, one at a time, while the other work-web is moved idly over the web-course, the combination, in each of said carbon-carriers, of a lip adjacent the front of said set, over which lip the work-web associated therewith passes, a clamp including a ball pivoted for movement downwardly against said lip to clamp the plies of said work-web when it is being moved idly to prevent movement of the plies relative to each other, and means effective for latching said ball in its work-web-clamping position or in a raised ineffective position.

1,739,740. CONNECTER. CHARLES L. STOELTZLEN, Erie, Pa., assignor to Penn-Union Electric Corporation, a Corporation of Pennsylvania. Filed Jan. 16, 1929. Serial No. 332,810. 3 Claims. (Cl. 173-303.)



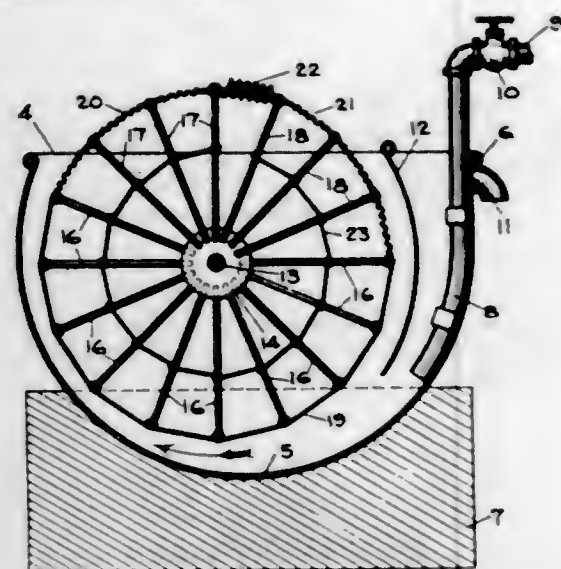
1. In a cable connector, a yoke member having a pair of legs for straddling a main cable and provided with threads on the external portion of the legs whereby the yoke member may be drawn against the cable with the same force on each leg, a body member positioned between said legs and having one end adapted to engage the main cable and the other end thereof provided with a tapered recess, a separate clamping sleeve for a branch cable positioned in said recess, and adapted to tighten on the branch cable by being forced into the recess and a nut engaging said threads for drawing the yoke member against one side of the main cable and having a surface for pressing the sleeve into the recess whereby the sleeve is clamped on the branch cable and the body member is simultaneously pressed against the main cable on the opposite side from the yoke, the surfaces of the sleeve and nut which transmit pressures therebetween lying substantially normal to the forces being transmitted between the nut and the main cable so that the friction between said surfaces is a minimum.

1,739,741. AUTOMOBILE SEAT. RAY C. TRAVIS, Ferndale, Mich. Filed Apr. 25, 1927. Serial No. 186,207. 3 Claims. (Cl. 155-14.)



1. In a vehicle body, a seat positioned transversely thereof, anchoring members having a swivel mounting in the floor of said body, links connecting said members to said seat, one of said links having a universal connection with said seat, whereby the seat may be swung in a substantially horizontal arc.

1,739,742. PRINT WASHER. CLYDE B. TRUSSELL, Omaha, Nebr. Filed Sept. 17, 1928. Serial No. 306,561. 5 Claims. (Cl. 95-93.)



1. A print washer comprising a receptacle curved at its ends and bottom and having upright side walls provided with bearing members, an intake water pipe projecting downwardly from the top into the receptacle at one of the ends thereof, an axle provided between its ends with a cylindrical body and journaled in said bearing members, a plurality of U-shaped holder-bars disposed radially of and rigidly mounted in said cylindrical body, a plurality of radially disposed U-shaped holder-bars pivotally mounted in said cylindrical body, flexible strands connecting the rigidly mounted holder-bars one with another, and flexible strands connecting the pivotally mounted holder-bars one with another.

1,739,743. METHOD OF MAKING BIFOCAL LENSES. CYRIL BERTIE USTONSON, Clerkenwell, London, England. Filed Mar. 21, 1928. Serial No. 263,556, and in Great Britain Mar. 31, 1927. 2 Claims. (Cl. 49-82.1.)



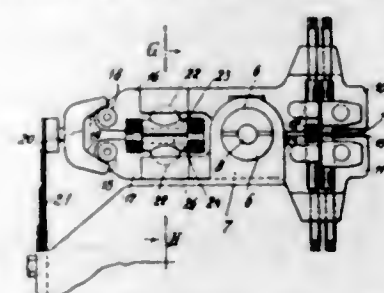
1. A method of making a bi-focal lens which consists in fusing together two flat pieces of glass having different

refractive indices to form a two layer sheet having a smooth common surface, in distorting said common surface by softening the two layer sheet by heat and pressing it between dies so shaped as to impart to said common surface the shape of a predetermined surface of rotation, and in subsequently grinding the formation of a bi-focal lens having one lens element embedded in the other.

1,739,744. PAINT AND VARNISH REMOVER. JOSEPH M. VERDEROSA, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 9, 1928. Serial No. 291,400. 3 Claims. (Cl. 87-5.)

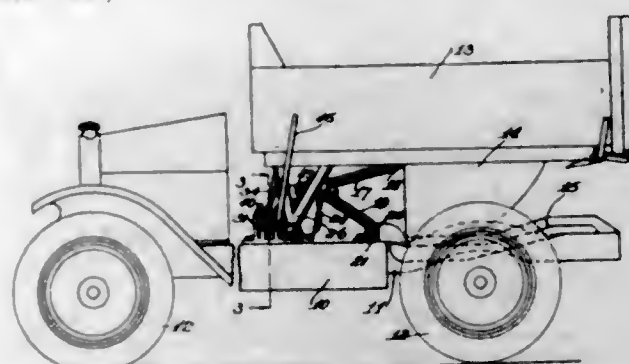
1. A varnish and paint remover containing ethylene glycol, an aromatic solvent and acetone.

1,739,745. MACHINE FOR THE MANUFACTURE OF NAILS FROM WIRE. JAKOB WIKSCHTROM, Dusseldorf, Germany. Filed Aug. 27, 1927. Serial No. 215,886, and in Germany Sept. 6, 1926. 8 Claims. (Cl. 10-50.)



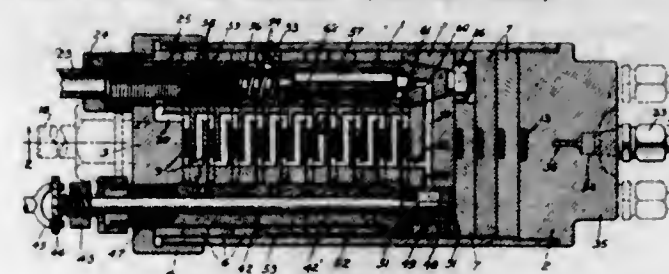
1. In a machine for the manufacture of nails from wire, double-armed levers, each carrying a clamping jaw and a point cutter, pivotally mounted upon an axis arranged laterally and parallel to the axis of the wire in the level of same, a thrust element engaging said levers for resisting movement of said levers axially of said wire, a slide for closing and opening said clamping jaws and point cutters, a bolt carried by a fork-shaped end of said slide, links bearing at both sides against said bolt and forming a toggle lever, and spherical ends of said links engaging arms of said double-armed levers so that the operating pressure substantially acts upon the hemispherical surfaces and the bolt.

1,739,746. LATCH FOR TILTABLE DUMP-BODIES. LEROY E. WILLIAMS, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Original application filed Apr. 27, 1927. Serial No. 186,836. Divided and this application filed Apr. 12, 1929. Serial No. 354,459. 5 Claims. (Cl. 298-38.)



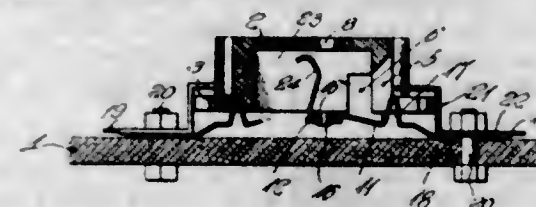
1. In combination with a vehicle frame and a tiltable load-receiving body thereon, locking means for securing said body in horizontal position on the frame, said means comprising a horizontally extending locking pin carried on the body, a pair of intermeshing gears with laterally projecting cam faces having annular portions closely adjacent each other and non-circular portions registerable with each other when the gears are rotated to provide a space for the passage of the pin, and means for returning said gears to bring their annular cam portions into proximity for holding the locking pin captive.

1,739,747. FUEL PUMP AND DISTRIBUTOR. BAXTER M. ASLAKSON, Chicago, Ill. Filed Feb. 1, 1923. Serial No. 616,241. 14 Claims. (Cl. 123-139.)



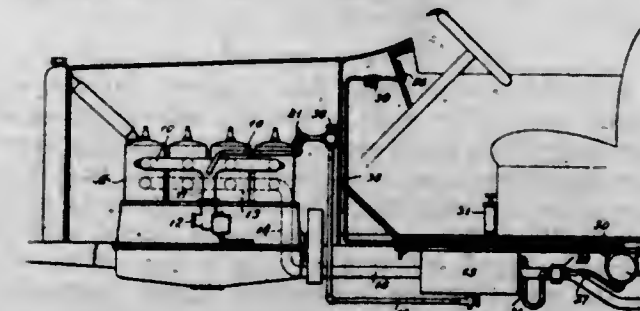
1. A device of the character described comprising a casing having a fluid fuel supply inlet and pressure outlets, pumping means in said casing comprising fluid impellers in operative association, shafts for driving said impellers, one of said shafts being driven from the engine in synchronism with its actions, a pressure chamber, a distributor driven from said driven shaft and thereby in synchronism with the engine's actions disposed between the pressure chamber and said outlets to open communication with the engine cylinders in their proper firing order, a bypass between said pressure chamber and said inlet, a metering valve for controlling the amount of fuel ejected to the cylinders upon each establishment of communication therewith through the distributor, and a relief valve for controlling said bypass arranged to operate when the pressure in the pressure chamber becomes excessive to open communication through said bypass between said pressure chamber and said inlet.

1,739,748. ELECTRON-TUBE SOCKET. WILLIAM M. BROWER, Palo Alto, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Aug. 26, 1928. Serial No. 131,635. 3 Claims. (Cl. 173-328.)



1. A resiliently mounted electron tube socket comprising an insulated body structure formed in the shape of a hollow inverted shell and apertured on its top for receiving the pin terminals of an electron tube, a plurality of supports projecting inwardly from opposite sides of said shell to a position below the apertured top of said socket, resilient contact strips secured to said supporting members, said insulated body structure being slotted adjacent said supports and said contact strips being arranged to pass through the slots in said body structure, each of said contact strips being shaped to provide a resilient mounting for said socket.

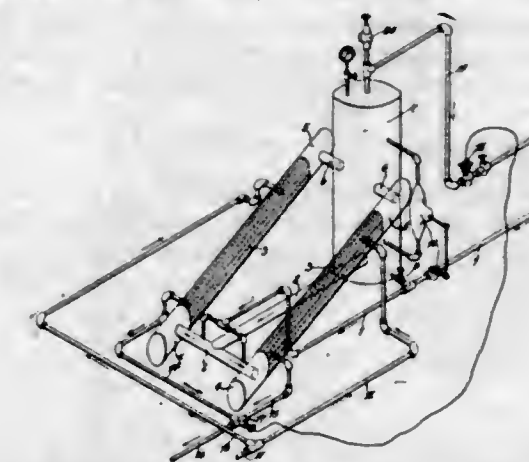
1,739,749. APPARATUS FOR SUPPLYING STEAM TO INTERNAL-COMBUSTION ENGINES. PHILIP MASON CABELL, New York, N. Y. Substitute for application Serial No. 27,422, filed May 2, 1925. This application filed Mar. 20, 1929. Serial No. 348,677. 13 Claims. (Cl. 123-25.)



1. In combination with an internal combustion engine, a flash boiler heated by waste heat from the engine, means

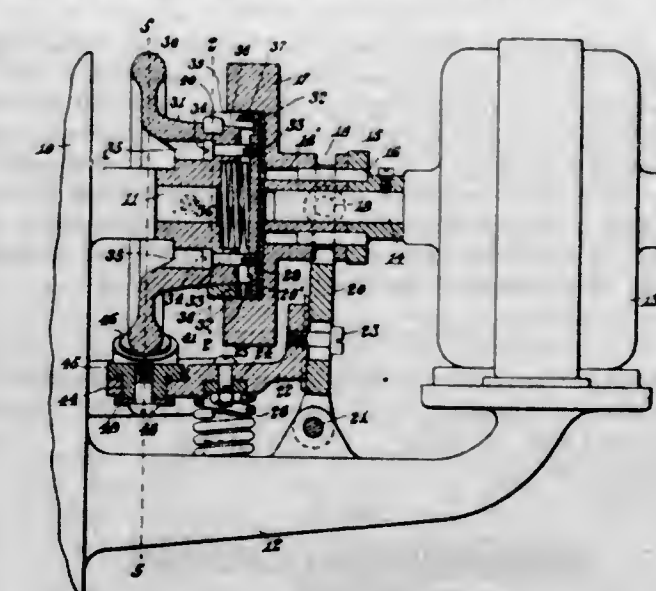
for supplying water to the boiler under pressure, means for preventing the flow of water to the boiler when the steam pressure exceeds a predetermined pressure and thereby maintaining a constant steam pressure, a connection for supplying steam for the boiler to the engine cylinder, and adjustable means for controlling the rate of delivery of steam to the engine cylinder.

1,739,750. PROCESS FOR EVAPORATING REFRIGERANT LIQUIDS. SAMUEL C. CAENEY, Tulsa, Okla., assignor to Shell Petroleum Corporation, a Corporation of Virginia. Filed Nov. 26, 1926. Serial No. 150,760. 4 Claims. (Cl. 62-178.)



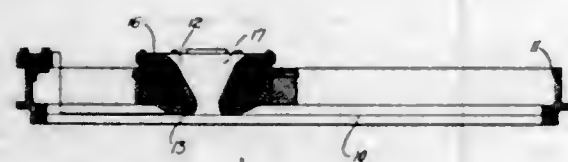
1. A process of refrigeration which consists in evaporating the lighter part of a liquid hydrocarbon refrigerant having components of different relative volatility while maintaining the other part of the refrigerant in the liquid phase; withdrawing the evaporated part; condensing said evaporated part; and reintroducing the condensed part into the residual body of the liquid refrigerant.

1,739,751. CLUTCH. JAMES SHELDON CARTWRIGHT and THOMAS DAVEY, Winthrop, Mass. Filed June 7, 1928. Serial No. 283,536. 13 Claims. (Cl. 192-17.)



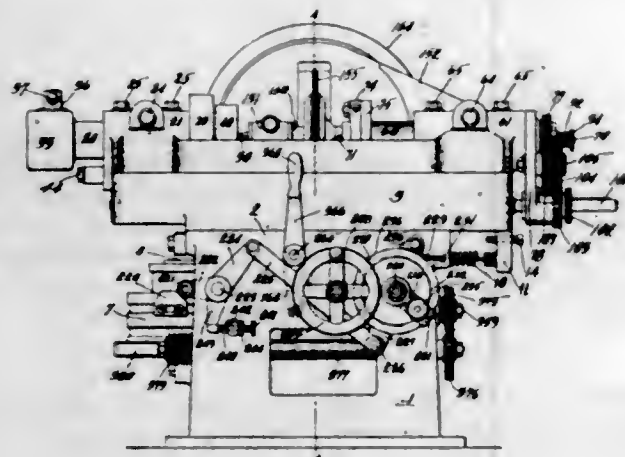
5. The combination of two aligned shafts; a flywheel on one shaft provided with a cone-shaped hub; a motor to drive the other shaft; a disk slidable on and rotatable with the motor shaft and provided with a cylindrical recess in one face thereof; a split ring fitted to and rotatable with said hub and disposed in said recess, said ring having an annular groove in its outer face; a plate rotatable with said hub having a flange extending into said groove, said flange having a thickness less than the width of said groove to permit the expansion of the split ring; radial pins in said ring extending through slots in said flange; and a wedge member on said hub between the ends of said ring adapted to expand said ring when moved inwardly on said hub.

1,739,752. MAGNETIC MATERIAL AND APPLIANCE. GUSTAF W. ELMEN, Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1927, Serial No. 243,008, and in Great Britain Aug. 29, 1927. 3 Claims. (Cl. 175-21.)



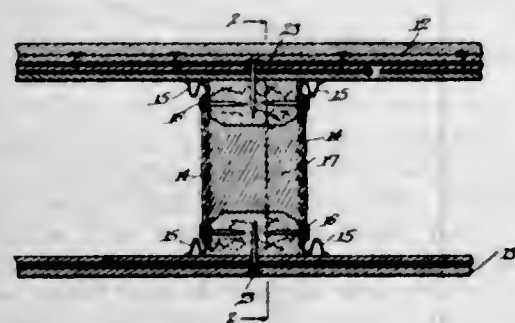
1. A magnetic composition comprising between 40 and 60% cobalt and the balance iron having a permeability above that of Armco iron at a corresponding magnetizing force.

1,739,753. GRINDING MACHINE. RALPH E. FLANDERS, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a Corporation of Vermont. Filed May 27, 1922, Serial No. 564,091. Renewed Mar. 6, 1929. 18 Claims. (Cl. 51-105.)



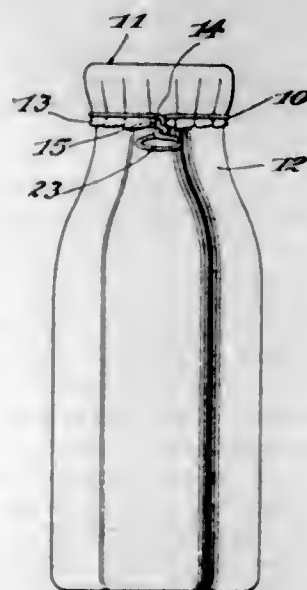
1. In a machine of the class described, a tool, centers for supporting a fluted cutting member in operative relation to said tool, one of said centers having a universal pivotal mounting intermediate its length, means to rotate said tap, and means to effect a gyratory movement of said center timed with the rotation of said cutting member and acting to effect a larger diameter cut thereon as the point of action of said tool approaches the cutting faces of said tap to effect clearance for said faces when in use.

1,739,754. BUILDING CONSTRUCTION. THOMAS J. FOSTER, Ridgewood, N. J. Filed Apr. 13, 1926. Serial No. 101,645. 5 Claims. (Cl. 72-115.)



1. A composite stud for buildings comprising oppositely disposed expanded metal strips, spacer blocks between the edges of said strips, at their opposite sides, adapted to receive nails or other fastenings, and a hardened mixture of cementitious material also between said strips to support said blocks and provide a more rigid structure.

1,739,755. METHOD OF AND MEANS FOR SEALING ARTICLES WITH WIRE. HENRY B. FOULDER, Glenbrook, Conn., assignor of one-half to John P. Curry, Riverside, Conn. Original application filed Mar. 18, 1926, Serial No. 95,584. Divided and this application filed Apr. 17, 1928. Serial No. 270,636. 7 Claims. (Cl. 215-95.)



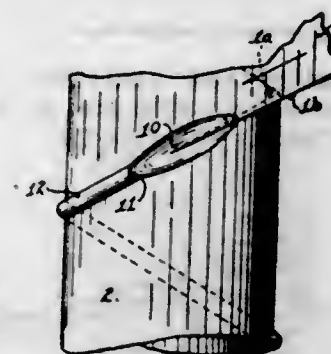
1. As an article of manufacture, a fastener for bottle closures comprising a metal wire surrounding the closure and contracted thereagainst, said wire having a twist preventing expansion of the contracted wire, said wire having a nick adjacent the twist whereby the wire will break when the twist is manipulated.

1,739,756. FLEXIBLE SHAFT. BERNARD GRANVILLE, New York, N. Y., assignor to Granville Holding Corporation, a Corporation of New York. Filed July 28, 1922, Serial No. 578,107. Renewed Feb. 14, 1929. 10 Claims. (Cl. 64-30.)



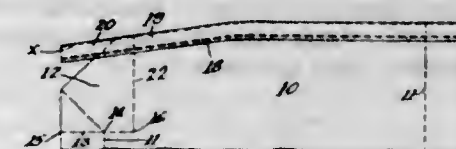
1. A flexible shaft, comprising a series of units, each having at one of its ends a concave spherically curved surface and at its other end a convex spherically curved surface restrained against turning across the axis of the unit, cooperating ring gears formed on the ends of the units and lying without their spherically curved surfaces, and means located within the inner circles of the ring gears for retaining the spherically curved surfaces of adjacent units in contact with each other, the gears being formed to provide a clearance permitting the axis of each unit to extend at an angle to the axis of the next unit.

1,739,757. MAKING WELDED SPIRAL PIPE. AUGUSTIN J. HAND, Berkeley, Calif., assignor to California Corrugated Culvert Co., Berkeley, Calif., a Corporation of California. Filed Apr. 3, 1928. Serial No. 266,899. 4 Claims. (Cl. 113-112.)



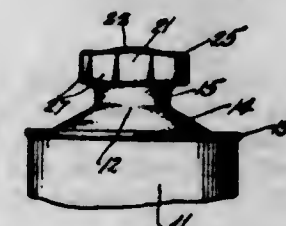
1. The process of welding spiral pipe, which consists in heating to melting temperature the adjacent edges of a sheet wound helically into tubular form, forming a crater in the molten metal, supporting the inner surface of the metal opposite said crater, and causing the molten metal from said crater to flow into a thickened weld uniting said edges.

1,739,758. VALVE BAG AND METHOD OF MAKING SAME. LOUIS H. HARTMAN, Toledo, Ohio, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a Corporation of New York. Filed Mar. 29, 1926. Serial No. 98,074. 6 Claims. (Cl. 92-35.)



1. A valve bag, comprising a tubular body portion having one corner folded in to form a valve and having the side walls collapsed against the turned portion and ending in a line perpendicular to the axis of said body portion from the corner opposite the valve to a median point and on a line slanting towards the other end of the bag from said point to the valved corner, a binding strip folded over the ends of said side walls, and a closing seam sewed through said binding strip and the intervening side walls.

1,739,759. CONTAINER CLOSURE. JOHN M. HOTHERSALL, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed June 6, 1927. Serial No. 196,602. 3 Claims. (Cl. 220-60.)



2. A sheet metal flexing cap having at its margin depending locking fingers adapted to engage beneath a projecting part of a nozzle, said cap having an outer circular line of flexure near said fingers, a smaller inner circular line of opposite flexure near its top, said cap inclining upward from the outer to the inner line of flexure, and an elevated central panel adapted to be depressed to a plane below the plane of said first line of flexure, whereby said fingers are caused to move radially outward and disengage from said projecting part of the nozzle.

1,739,760. STEAM BOILER. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed May 21, 1924. Serial No. 714,787. 14 Claims. (Cl. 122-265.)

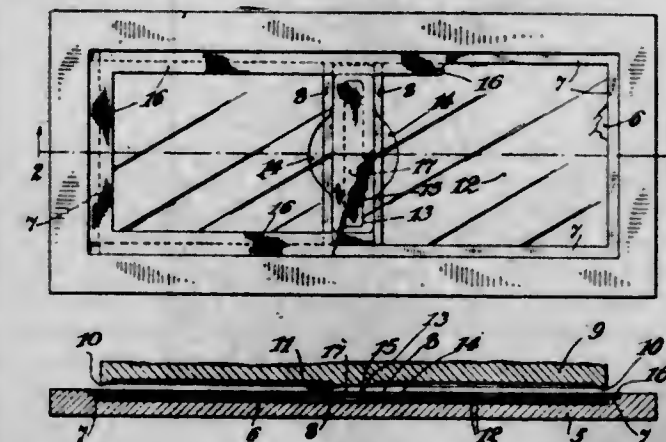


1. A water tube boiler having inclined water tubes connected at their opposite ends to uptake and downtake water chambers, a plurality of water storage tubes of relatively large cross-sectional area extending between and connected to the upper portion of the uptake and the downtake water chambers and inclined upwardly from the downtake water chamber, a plurality of steam circulating tubes extending between and connected to the uptake and the downtake water chambers above said water storage tubes, a vertically disposed main steam pipe, and a row of auxiliary steam collecting pipes spaced along the upper portion of the downtake water chamber with their upper ends connected to said main steam pipe.

1,739,761. METHOD OF GRINDING OR PULVERIZING GUMMY, PASTY, OR VISCOUS MATERIAL. HENRY F. KLEINFELDT, Hopatcong Borough, N. J., assignor to Abbe Engineering Co., a Corporation of New York. Filed Oct. 1, 1926. Serial No. 139,015. 2 Claims. (Cl. 83-94.)

1. The process of grinding gummy, pasty or viscous material consisting in introducing into a closed mixing receptacle a charge of such material simultaneously with a solidified carbon dioxide gas to bring said material into a friable condition and then subjecting said charge to a pulverizing operation.

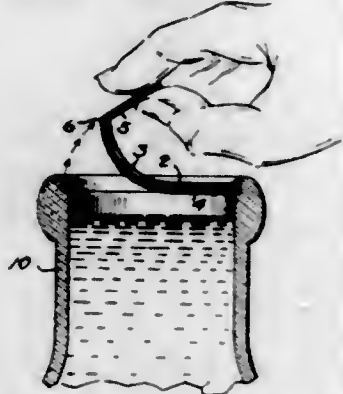
1,739,762. ASSEMBLING DEVICE. CHARLES L'ENFANT, New York, N. Y. Filed June 17, 1927. Serial No. 199,622. 3 Claims. (Cl. 154-41.)



2. In assembling apparatus of the character described, a base having a rectangular depression in its upper surface.

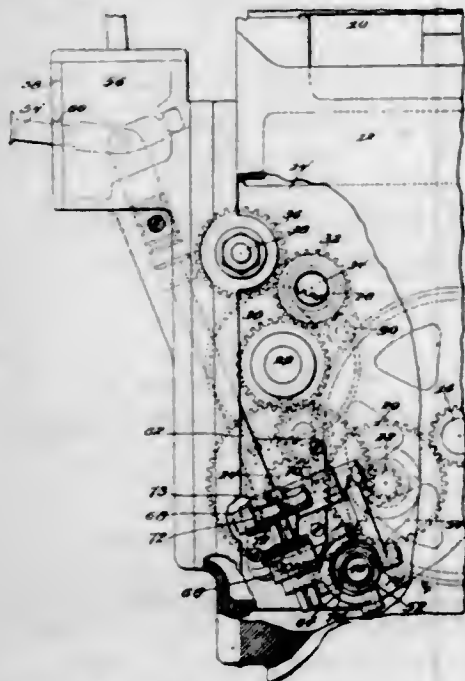
and provided centrally thereof with spaced transversely extending ribs and having a continuous rabbet surrounding said depression, the space between said ribs adapted to receive a strip of fabric material, and said depression adapted to receive a folded sheet of celluloid with one part thereof extending upon said fabric strip, and said rabbets providing seats for the outer edge portion of a rectangular strip of fabric binding material adapted to be arranged in superposed relation to the celluloid sheet and having a central transverse web connecting the side portions thereof positioned in the vertical plane of said fabric strip, and a presser plate having a continuous marginal rib and a central transversely extending rib, the latter adapted to engage upon said web and the marginal rib to engage the inwardly projecting portion of the rectangular fabric strip and force said parts under heat and pressure upon the celluloid whereby the several fabric parts are adapted to adhere to the celluloid sheet to thereby connect the same with the rectangular binder strip uniformly projecting beyond the edges of the celluloid.

1,739,763. BOTTLE CLOSURE. WESLEY W. MASON, Baltimore, Md. Filed Jan. 13, 1928. Serial No. 246,519. 3 Claims. (Cl. 215-51.)



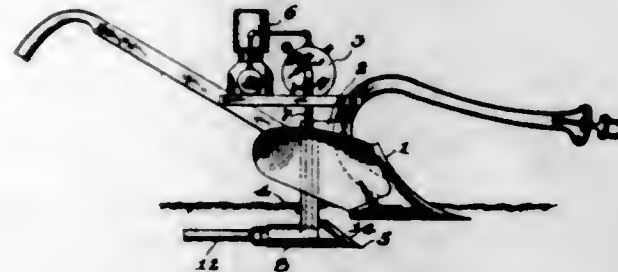
1. A closure for a bottle the same comprising a lower member adapted to fit the neck of said bottle; an upper member superposed on said lower member and provided with a peripheral cut-away portion; and a tab integral with and extending radially from said lower member said tab adapted to lie wholly within said cut-away portion when said members are assembled.

1,739,764. MACHINE TOOL. MAXWELL I. MATHEWSON, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a Corporation of Rhode Island. Filed Jan. 11, 1928. Serial No. 245,841. 19 Claims. (Cl. 74-98.)



1. A machine tool having, in combination, a work-supporting table, change speed mechanism, a reversing mechanism for imparting a reciprocatory movement to the table from the change speed mechanism, means for providing a dwell at each end of the reciprocatory movement of the table, and mechanism acting when rendered operative to drive the table from the reversing mechanism without dwell.

1,739,765. SUBSOILER AND AERATOR. SAMUEL M. McEWEN, University, Va. Filed Jan. 31, 1927. Serial No. 164,923. 3 Claims. (Cl. 111-7.)



1. In a subsoiling and aerating device, a plow mole means associated with and extending below the plow for opening the soil, said mole means having an air-conducting passage therein, a blower, means extending from the blower to the air-conducting passage of the mole for the purpose of conducting air from the blower through the mole into the soil.

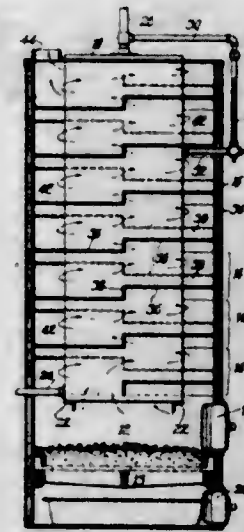
1,739,766. METHOD OF MAKING COMPRESSED DEHYDRATED CELLULOSE SHEETS. ALBERT W. MORRIS, Springfield, Mass., assignor to George E. Coblens, New York, N. Y. Filed May 11, 1927. Serial No. 190,527. 5 Claims. (Cl. 92-54.)



1. In the art of drying and setting a cellulose body, that step in the art which consists in subjecting the opposite faces of the moist cellulose body to the action of an electric current passing through the said body, while permitting the moisture to freely escape from the said faces of the body.

3. In the art of making a compressed dehydrated cellulose sheet, those steps which consist in compressing the wet cellulose material to form a sheet while allowing the expressed water to escape from said sheet, and passing an electric current through said sheet from one face to the other by means of electrodes which have the shape desired for said sheet, while maintaining said electrodes in firm contact with said opposite faces to maintain said sheet in desired shape during the dehydration thereof, the moisture being permitted to escape from said sheet during the passage of said current to permit said sheet to be sufficiently dehydrated to become coherent.

1,739,767. HEATER. THOMAS E. MURRAY, Brooklyn, N. Y.; Joseph Bradley Murray, Thomas E. Murray, Jr., and John F. Murray executors of said Thomas E. Murray, deceased. Filed June 17, 1924. Serial No. 720,486. 4 Claims. (Cl. 122-234.)



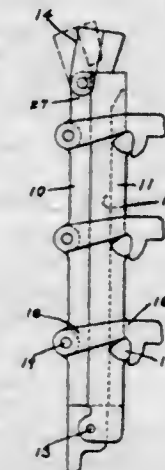
1. In a heater the combination with vessel in which the fluid to be heated is contained, of a sectional shell surrounding the same comprising a plurality of separate units placed one over the other, and means for forming a tortuous passage-way between the vessel and the shell comprising a multiplicity of flat arcuate plates spaced apart both longitudinally and circumferentially and connected by longitudinally extending plates.

1,739,768. COMBINATION REPRODUCER AND RECEIVER. JOSEPH N. PERIN, Chicago, Ill., assignor to Jewel Emblem Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 29, 1924. Serial No. 695,942. 2 Claims. (Cl. 179-100.1.)



1. In a device of the kind described, a tone arm, a sound box removably mounted on the end of said tone arm, electrically controlled mechanism in said sound box having conductors leading therefrom, electrical conductors extending through said tone arm, means for detachably connecting said first-mentioned conductors with said second mentioned conductors comprising spaced rings within the connecting end of said sound box and attached to said first-mentioned conductors, and contact fingers within the end of said tone arm and connected to said second-mentioned conductors, said contact fingers adapted to engage said rings.

1,739,769. INGOT MOLD. ROBERT G. REDMANN, Bristol, Conn., assignor to The Sessions Foundry Company, Bristol, Conn., a Corporation. Filed Sept. 1, 1928. Serial No. 303,592. 4 Claims. (Cl. 22-146.)



1. In an ingot mold having hinged mold parts that are surmounted by a pouring cup, latch mechanism comprising a latch bar pivotally connected by one end to one of said parts and having an engaging nose at the other end, a lug on the other of said parts for serving as a keeper in cooperation with said nose, and said nose and lug having each a relatively elongated contacting face for cooperating with the face of the other under locking conditions.

1,739,770. GAS-VENT VALVE FOR OIL-PUMPING EQUIPMENT. CHARLES W. REESE, Petroleum, W. Va. Filed May 5, 1924. Serial No. 711,205. Renewed Mar. 9, 1929. 2 Claims. (Cl. 103-203.)



1. In a gas anchor valve of the class described a casing having a main passageway therethrough and providing a portion of material extending into said main passageway, said portion of material having a reduced passageway portion therethrough opening at one end of the material and an enlarged passageway portion in alignment and in communication with the reduced passageway portion opening at the opposite end of said material into said main passageway, a seat supported at the junction of the passageway portions through said stock material, a duct extending through the casing from the outside into the larger passageway in said material, a valve operating in the larger passageway portion of said material, and a gas anchor valve of the class described.

plug normally limiting the amplitude of movement of said valve member in the enlarged passageway portion of the material.

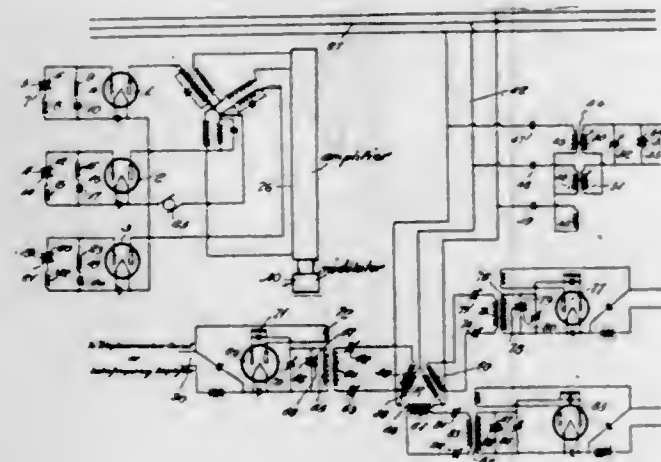
1,739,771. POLYBASIC-ACID-POLYHYDRIC-ALCOHOL-RESIN AND METHOD OF MAKING SAME. JOHN H. SCHMIDT, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 16, 1928. Serial No. 262,322. 8 Claims. (Cl. 260-8.)

1. A process of obtaining a composition of the glyptal type which comprises dissolving phthalic anhydride in glycerol, filtering the mixture to remove impurities therefrom, heating the mixture to cause a reaction and continuing the heating until a temperature of about 205° C. is reached and a sample at a temperature of about 180 to 190° C. exhibits the property of stringing, then chilling the fused mass by pouring into thin slabs exposed to normal room temperatures until solidification occurs, and baking the cooled product at about 125 to 145° C. for a period of about twelve weeks, when the slabs have a thickness of about an inch, to advance or harden the composition.

1,739,772. ELECTROLYTIC PRECIPITATION OF METALS. UALYN C. TANTON, Kellogg, Idaho. Filed Jan. 26, 1926. Serial No. 83,945. 9 Claims. (Cl. 204-1.)

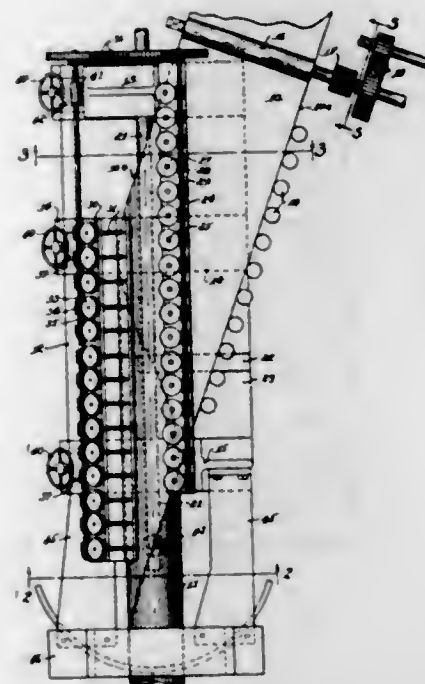
1. The method of precipitating a given metal from solution, which consists in electrolyzing the solution in the presence of another metal higher in the electrochemical scale and applying a cathode potential sufficiently high to cause deposition of both metals, removing the deposited metals from the cathode and redissolving the metal higher in the electrochemical scale in the solution to liberate and permit precipitation of the given metal.

1,739,773. WIRED RADIO SYSTEM. ALBERT H. TAYLOR, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 23, 1926. Serial No. 83,279. 2 Claims. (Cl. 179-2.5.)



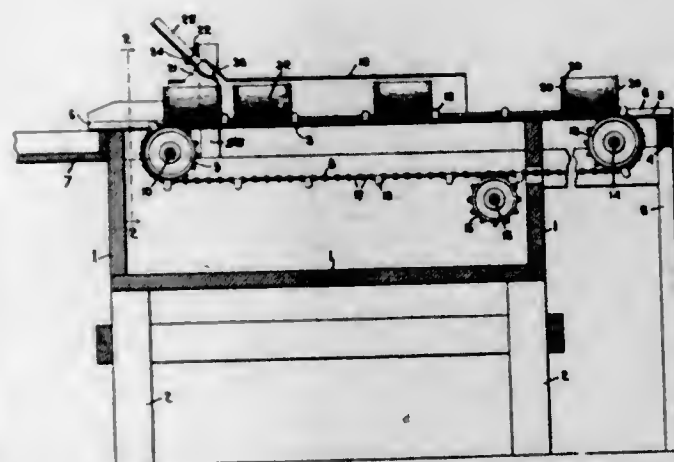
1. In a wired radio broadcasting system the combination of a line wire distribution circuit, a polyphase transmitter of high frequency electrical signals connected with said line wire distribution circuit, a plurality of receivers connected with said line wire distribution circuit for selectively receiving the energy impressed upon said line wire distribution circuit by said transmitter, and piezo electric control elements ground to the same frequency located in each phase of said transmitter and at each of said receivers for controlling said circuits at the same operating frequency.

1,739,774. SPIRAL-PIPE MACHINE. KARL JOHAN THORSBY, Oakland, Calif., assignor to California Corrugated Culvert Company, Berkeley, Calif., a Corporation of California. Filed Nov. 7, 1927. Serial No. 231,654. 19 Claims. (Cl. 113-35.)



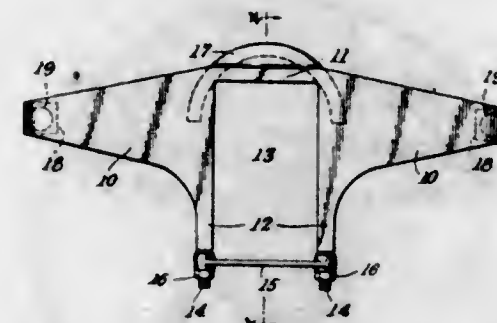
1. A spiral pipe machine comprising a roller over which a sheet is bent and wound helically into tubular form; and a plurality of rollers positioned with their ends bearing against the outer surface of the sheet to bend it over the first mentioned roller.

1,739,775. SPOOL CLEANING MACHINE. ARCHIE G. BAKER, Manchester, N. H., assignor to Amoskeag Manufacturing Company, Manchester, N. H., a Voluntary Association of New Hampshire. Filed Sept. 13, 1928. Serial No. 305,770. 8 Claims. (Cl. 28-19.)



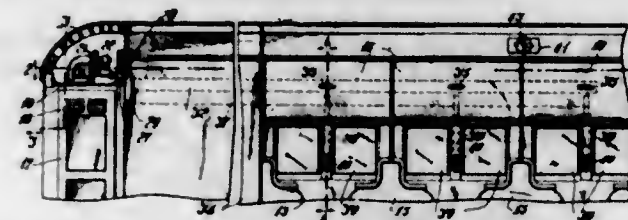
1. A machine for severing yarn on a yarn carrier comprising a support for the yarn carrier, means for directing a fine jet of water under high pressure, and means for effecting a relative traversing movement between the jet and the support to cause the jet to travel across and cut through the yarn on a yarn carrier mounted on the support.

1,739,776. RAILWAY BRAKE BRACKET. JOHN AUSTIN BAKER, South Shields, England. Filed Jan. 20, 1928. Serial No. 248,141. and in Great Britain May 19, 1927. 5 Claims. (Cl. 188-209.)



1. A bracket attached to an axle box of a railway vehicle for supporting the band of a band brake, leg extensions on said bracket fitting the sides of an axle box, a yoke connecting said extension, and means for securing said yoke thereto.

1,739,777. CAR-VENTILATING SYSTEM. JOHN W. BERNBAUM and WILLIAM WRIGHT, Chicago, Ill., assignors to Hotchkiss, Blue & Co. Ltd., Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1926. Serial No. 140,719. 4 Claims. (Cl. 98-10.)



1. In a car ventilating system, the combination of a car provided with a chamber adjacent the top thereof and having an inlet, car-doors provided with openings adjacent to the inlet of the chamber for receiving air from the car exterior, air cleaning means located in said chamber, pressure means adapted to receive the cleaned air from said cleaning means, a chamber connected with the discharge end of the pressure means, a plurality of ducts connected with said chamber and extending to predetermined points in the car, and independently controlled means at the discharge ends of the ducts.

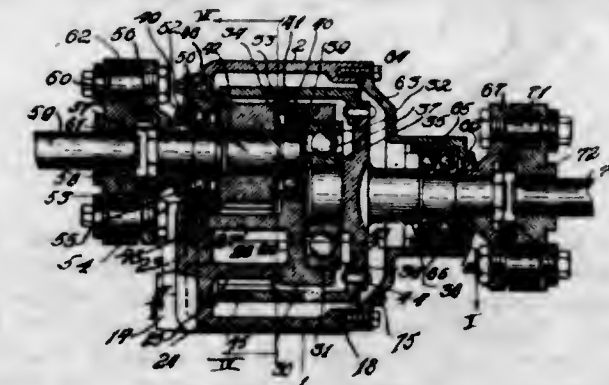
1,739,778. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y., assignor to Bliss Containers, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed July 7, 1924. Serial No. 724,559. Renewed Sept. 20, 1928. 2 Claims. (Cl. 229-33.)



1. A shipping case constructed of fibre board or equivalent material, comprising a single blank cut and scored

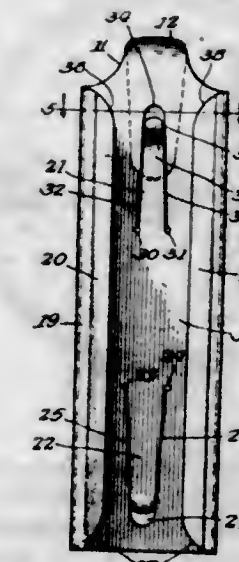
to form a bottom, two side walls and two cover wings, the side and bottom walls being provided with end extensions forming on the bottom wall a reinforcing flap, on the side walls end panel parts that are arranged to overlap, the end extensions on the side walls each having a hinged part which is co-extensive with the adjacent cover wing, the said hinged parts arranged to be folded up with the end panel parts, stitched together with the end panel parts and then folded so as to underlie the cover wings and re-enforce the same, the said cover wings being secured together to seal the case.

1,739,779. GEAR HOUSING. HOWARD E. BLOOD, Detroit, Mich., assignor to Detroit Gear & Machine Company, a Corporation of Michigan. Filed Dec. 16, 1926. Serial No. 155,147. 11 Claims. (Cl. 74-56.)



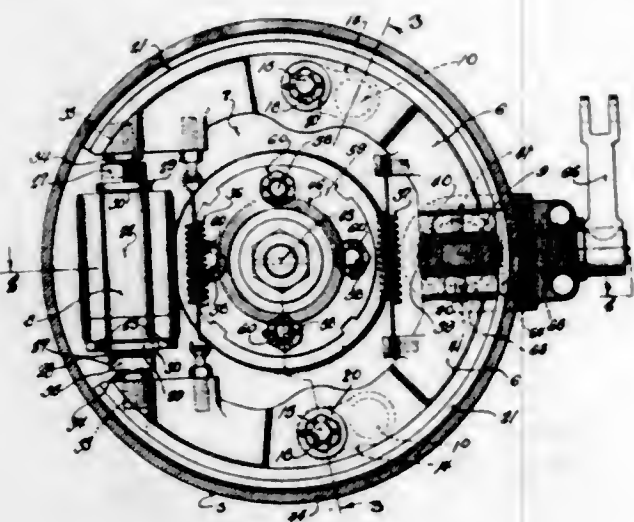
1. In a reduction gear, a housing, lubricating fluid in said housing, said housing having a circuitous passage therethrough for the circulation of a cooling fluid to cool said lubricating fluid and an internal annular gear surrounding a part of said passage.

1,739,780. GOLF-TEE HOLDER. ALFRED E. BUHRKE, River Forest, Ill., assignor to R. H. Buhrke Company, a Corporation of Illinois. Filed Sept. 2, 1927. Serial No. 217,081. 4 Claims. (Cl. 150-1.5.)



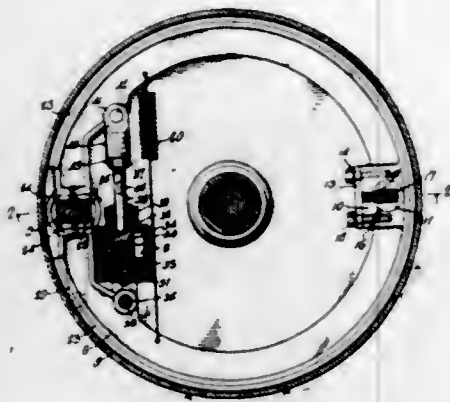
1. A golf tee holder comprising a casing adapted to receive golf tees, said casing being provided with normally open receiving and discharge ends, a spring retaining device projecting into the path of the tees adjacent the receiving end thereof, and a spring actuated retaining device projecting into the path of the tees adjacent the discharge end thereof, each of the said spring actuated retaining devices at their respective receiving and discharge ends being formed of angular engaging surfaces to permit tees to be forced past said retaining devices and the latter to be deflected toward the plane of the wall of the holder to which they are attached by pressure on the tees being inserted into or detached from the device.

1,739,781. BRAKE MECHANISM. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed May 24, 1924. Serial No. 715,752. 5 Claims. (Cl. 188-106.)



1. In brake mechanism of the character described, the combination with a rotatable brake-drum, of a pair of brake-shoes mounted within the drum and engageable therewith, fluid-pressure-operated means interposed between adjacent ends of said shoes and operable to swing said shoes into engagement with said drum, a manually-operable cam member interposed between the other ends of said shoes and operable to swing said shoes into engagement with said drum, a support for said shoes, and means to release said shoes from engagement with said drum.

1,739,782. VEHICLE WHEEL BRAKE MECHANISM. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed June 18, 1924. Serial No. 720,781. 2 Claims. (Cl. 188-106.)

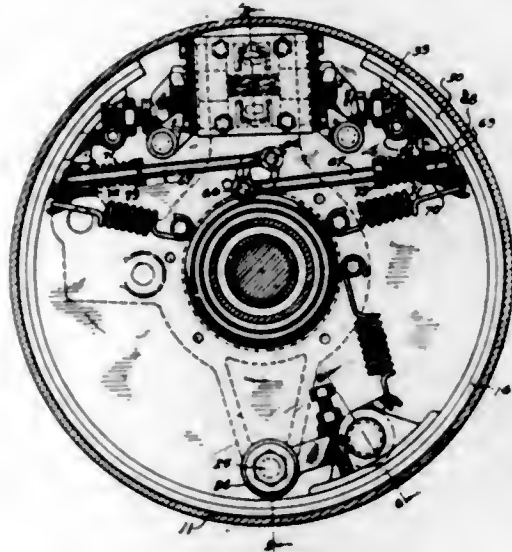


1. In brake mechanism of the character described, the combination with a rotatable brake-drum, of a brake engageable therewith, fluid-pressure-operated means carried by the brake for moving the same into braking engagement with the drum, manually-operable means associated with the brake for moving it into braking engagement with the drum, and means to release said brake from the drum.

1,739,783. VEHICLE BRAKE APPARATUS. NIELS A. CHRISTENSEN, Cleveland, Ohio. Filed Mar. 26, 1926. Serial No. 97,603. 1 Claim. (Cl. 188-106.)

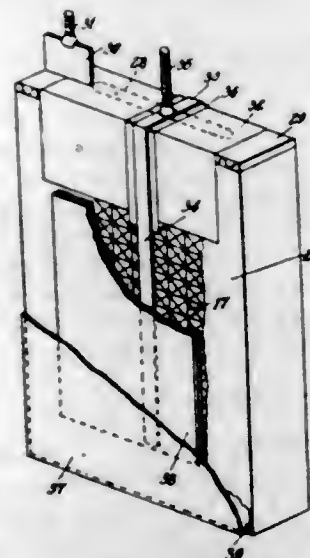
In a vehicle brake mechanism, the combination with a rotatable brake drum, of an internal expanding type brake engageable with said drum and provided with a lug on its free end, an abutment secured to said lug, a pivoted multiplying lever having an intermediate part in thrust engagement with said abutment, a brake cylinder having a

fluid-pressure-operated thrust member associated with the free end of said lever and a manually operable thrust member mounted between said cylinder and the central portion of said drum and engageable with said lug, and means to release the brake from said drum.



ber mounted between said cylinder and the central portion of said drum and engageable with said lug, and means to release the brake from said drum.

1,739,784. ELECTRIC BATTERY. HENRY M. ROSENDALE, Brooklyn, N. Y., assignor to Premo Electric Corporation, a Corporation of New York. Filed Dec. 3, 1926. Serial No. 152,370. 2 Claims. (Cl. 136-111.)

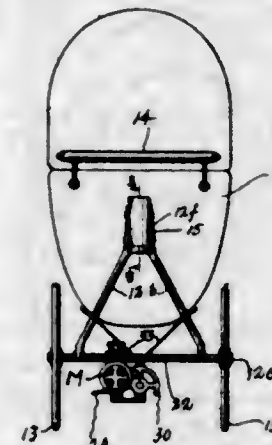


1. In a battery, a mass of carbonaceous material compressed into cake form and serving as an electrode, a mass of depolarizing material compressed into cake form upon said electrode, an electrode having a polarity opposed to that of the first named electrode and arranged adjacent said depolarizing material and forming therewith a space adapted for the reception of an electrolyte, and a frame of insulating material into which said depolarizing material and said carbonaceous material are compressed, said frame having a cut away portion forming with the second named electrode an opening through which an electrolyte may be introduced into said space.

1,739,785. ROCKING BABY CARRIAGE. LOUIS DAVIS, New York, N. Y. Filed Dec. 8, 1927. Serial No. 238,198. 3 Claims. (Cl. 280-31.)

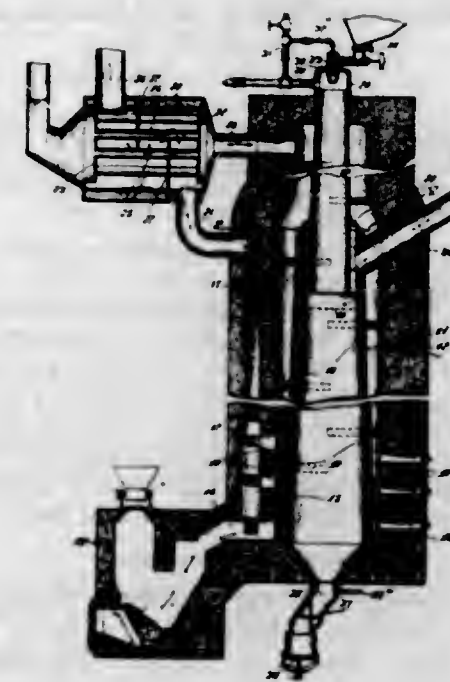
1. A baby carriage comprising a frame, a body, means on the frame pivotally supporting said body, and resilient means supporting the pivotal means, in which the pivotal

means includes a cylinder having an end opening to coaxially receive the resilient means, said cylinder having



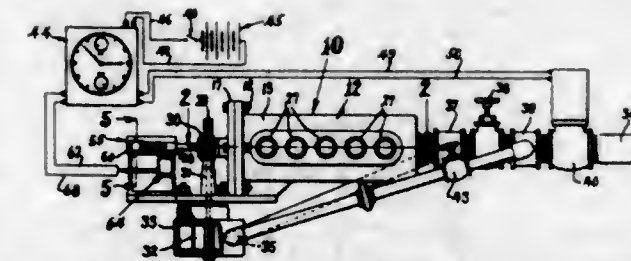
a longitudinal side opening, and means passing through said longitudinal opening and resting on said resilient means to pivotally support said body.

1,739,786. CARBONIZING PROCESS. EDWARD A. DIETERLE, Glenn Ellyn, Ill. Filed Sept. 22, 1924. Serial No. 739,051. 3 Claims. (Cl. 202-17.)



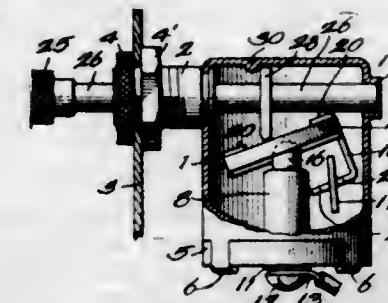
1. The method of producing an enriched gas and coke from coal in a vertical substantially air-tight chamber having upper and lower portions and heated entirely externally, the lower portion being heated higher in temperature than the upper portion and having an outlet for the gas at an intermediate point between the upper and lower portions which consists in spraying fine particles of coking coal into the upper part of the externally and entirely heated substantially air-tight chamber where partial coking is obtained substantially instantaneously, allowing the partially coked heated particles to agglomerate in the more highly heated lower part of the chamber to a predetermined level below said upper part to provide a gas space where the agglomerated mass is subjected to further heating, combinedly withdrawing, at a point intermediate of the point of introduction of the coal particles and the level of the agglomerated mass, the rich and lean gases resulting from the carbonization in the upper and lower portions of the heated chamber, and intermittently withdrawing the coke from the lower portion, after said agglomeration reaches the predetermined level.

1,739,787. FLUID-CONTROLLING SYSTEM. GLENN A. DOUGHTY and HERBERT A. JOHNSTON, Anaheim, Calif. Filed Dec. 26, 1928. Serial No. 328,549. 9 Claims. (Cl. 137-78.)



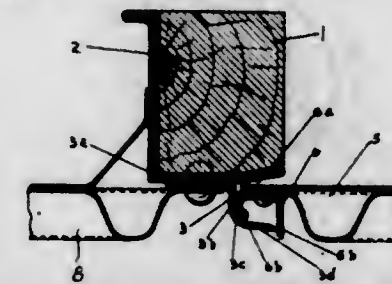
1. In a water distributing system, a casing having a plurality of distributing pipes thereon, a hollow rotor in said casing, means to conduct water from said rotor to said pipes in order, means to supply fluid to said rotor, and means operated by the fluid supplied to said rotor for turning said rotor.

1,739,788. ELECTRIC SWITCH. HARRY A. DOUGLAS, Bronson, Mich. Filed Dec. 21, 1927. Serial No. 241,640. 4 Claims. (Cl. 200-68.)



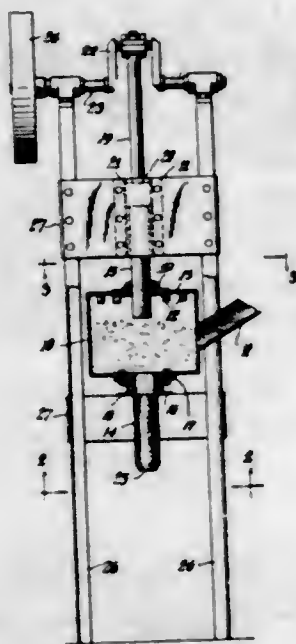
1. In an electric switch, the combination with two abutments of which one is a current conducting contact and one is in the form of a spring barrel; of a spring in said spring barrel; a bar for separable engagement with said abutments and having a contact thereon complementary to the aforesaid contact; a carrier for said bar and having flexible connection therewith at a place between said abutments, the spring in the barrel pressing upon said carrier; a fulcrum for said carrier; and a longitudinally movable handle coupled with the fulcrum and serving to shift the fulcrum from either side to the other of the spring to enable such spring to move the bar into and out of engagement with the abutments.

1,739,789. WEATHERPROOFING STRUCTURE FOR CAR DOORS. CARL E. EKLUND and KENNETH J. TOBIN, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1927. Serial No. 227,949. 2 Claims. (Cl. 20-26.)



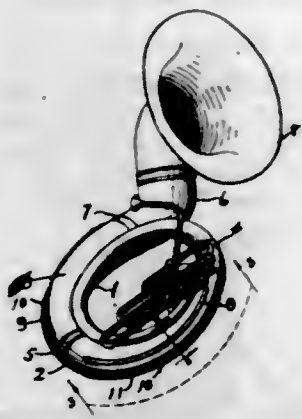
1. A weather proofing structure for a sliding car door, comprising a vertical strip having an attaching web, a short flange extending outwardly at substantially a right angle at the forward edge of said web, a longer flange extending outwardly at substantially a right angle from the rear edge of said web, and a cooperating weather strip adjacent the front edge of said door comprising an angular member having an attaching flange, a web extending outwardly at substantially a right angle to said attaching flange for abutting relation with said short flange and a rearwardly directed flange extending substantially to said longer flange.

1,739,790. APPARATUS FOR PACKING POWDERS. HERMAN JACOB GLAXNER, Fairbanks, La., assignor to Columbian Carbon Company, New York, N. Y., a Corporation of Delaware. Filed June 3, 1927. Serial No. 196,193. 4 Claims. (Cl. 18-1.)



1. An apparatus for compacting pulverulent material, including a supply chamber having a fabric top wall and an opening in the bottom wall, the tube connected to said opening, a plunger movable back and forth in said top wall and into and out of the upper end of said tube, and a packing around said plunger at said top wall, said tube having an outlet spaced a considerable distance below the lower limit of movement of said plunger.

1,739,791. HORN-REENFORCING MEANS. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn. Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Oct. 18, 1928. Serial No. 313,226. 6 Claims. (Cl. 84-387.)

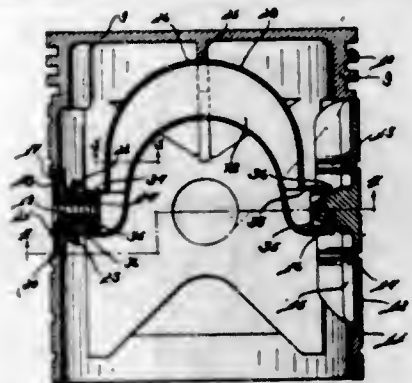


1. In a valved wind musical instrument provided with a tubular tapered curved body section, reenforcing means for said body section, said means including a curved metal strip welded to the exterior of the body section and extending longitudinally thereof.

1,739,792. PISTON. GALEN A. HAIGHT, Detroit, Mich. Filed May 5, 1928. Serial No. 275,305. 4 Claims. (Cl. 74-108.)

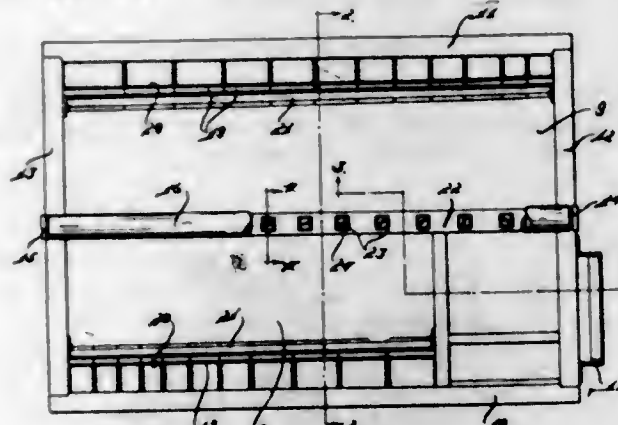
1. A piston of the class described, comprising: a guiding portion having an opening formed therein; a closure for said opening loosely positioned therein; an engagement

member engaging the inner surface of said closure; a pressing member for pressing against said engagement



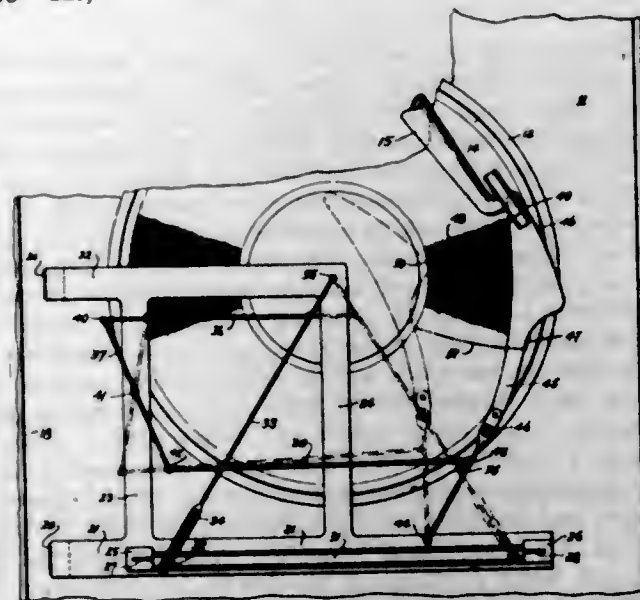
member and tending to force said closure outwardly of said piston; and resilient means for adjusting the position of said engagement member.

1,739,793. TOOL BOX. EMIL F. HARDT, Detroit, Mich. Filed Sept. 24, 1928. Serial No. 308,114. 1 Claim. (Cl. 206-16.)



A tool box of the class described comprising a base; end walls projecting upwardly from said base; side walls projecting upwardly from opposite sides of said base at an inclination thereto; a plurality of U-shaped members engaging at the ends of their legs the inner surface of said side walls; a bar; angularly turned portions on opposite ends of said bar secured to the inner surface of said end walls, the main body of said bar engaging the rights of said U-shaped members and preventing disengagement of said U-shaped members from said side walls.

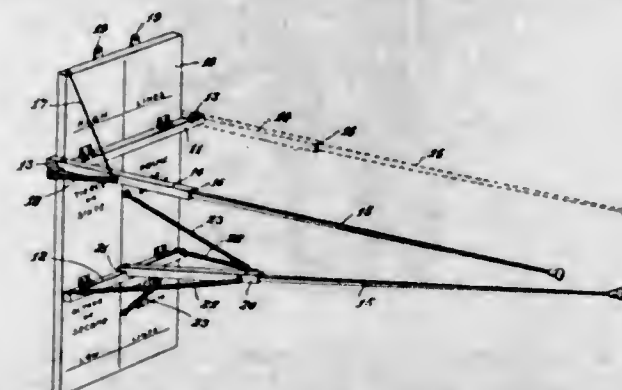
1,739,794. PHONOGRAPH-RECORD-TRANSLATING DEVICE. WILLYS P. KENT, New York, N. Y. Filed Dec. 12, 1927. Serial No. 289,352. 19 Claims. (Cl. 35-12.)



1. For use with a common phonograph disc record, a common chart bearing indicia relating to the subject mat-

ter of the record, and a selected one of a plurality of phonograph reproducers whose needles have differing paths of travel; a record-translating device comprising a pointer movable over the chart, and means operable by the needle of the phonograph reproducer during its traverse of the record for moving the pointer, said means including an arcuate follower edge constantly concentric with the record, whereby the pointer will always move in the same predetermined relationship to the play of the record regardless of the path of needle travel.

1,739,795. FENCING IMPLEMENT. JOHN KRASHENINNIKOFF, Astoria, N. Y. Filed Aug. 10, 1928. Serial No. 298,707. 4 Claims. (Cl. 272-57.)



1. A device of the class described, comprising a substantially rectangular plate, having arranged thereon a plurality of horizontally positioned, hinged members, the latter being provided with projecting arms adapted to receive foils and means for keeping said arms and foils in an appropriate position during operation.

1,739,796. PROCESS OF BLEACHING BEESWAX. PAUL MAHLER, New York, N. Y., assignor to Darco Sales Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 4, 1924. Serial No. 753,825. 11 Claims. (Cl. 87-19.)

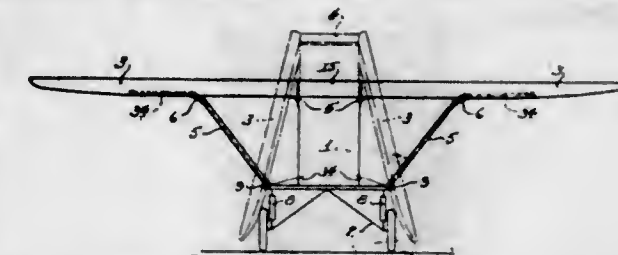
10. The process of decolorizing an organic wax including melting the wax, heating the same with a solid inorganic color-adsorbing agent having a specific gravity greater than that of water, filtering to obtain a portion of the decolorized wax, and treating the filter cake with water at a temperature above the melting point of the wax to separate the remainder of the wax from said agent.

1,739,797. METHOD OF CONSTRUCTING THE SLEEVES OF GARMENTS. VINCENZO MARONNA, New York, N. Y. Filed Feb. 2, 1929. Serial No. 336,983. 8 Claims. (Cl. 2-93.)



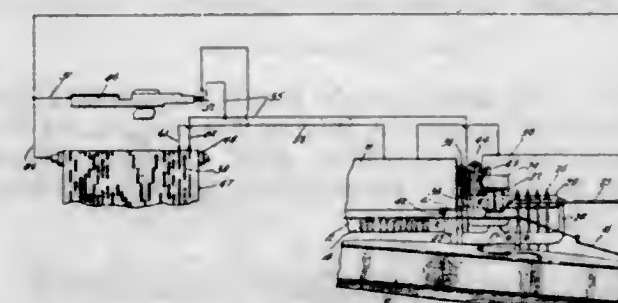
1. The herein described method of closing the opening provided in a sleeve lining by machine stitching, said opening being provided to facilitate the machine stitching of the lining to the arm hole portion of the garment which consists in providing the sleeve with an opening along one of its seams, passing the attached lining outwardly through said sleeve opening to expose that part of the lining having the opening therein, closing said lining opening by stitchings, and then replacing the lining in said sleeve and closing said sleeve opening.

1,739,798. AIRPLANE. GEORGE E. MCCREA, San Francisco, Calif. Filed June 11, 1928. Serial No. 284,359. 9 Claims. (Cl. 244-12.)



9. An airplane comprising a fuselage; a wing formed with relatively movable end sections extending outwardly from said fuselage and adapted to fold with their inner ends rising and their outer ends moving downwardly and inwardly; and a central complementary wing section extending across said fuselage between the inner ends of said end sections when in flying position and forming therewith a continuous wing structure.

1,739,799. HARMONIC DEVICE FOR STRINGED INSTRUMENTS. BERT E. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 14, 1926. Serial No. 141,471. 8 Claims. (Cl. 84-11.)



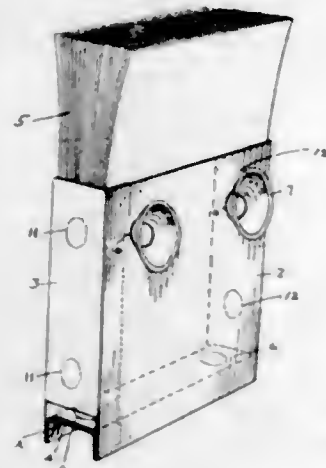
7. A mechanically operated musical instrument of the viol class, comprising electrically controlled sounders and fingering devices, and an electrically controlled harmonic device automatically operable in the playing of the instrument and including a member adapted to be applied to a string of said instrument at a point which will produce a harmonic thereby producing in conjunction with the fingering devices higher pitches than can be obtained with said fingering devices alone.

1,739,800. HEADLIGHT. JULIUS PATTEN and WILLI BANGERT, Duisburg, Germany. Filed Jan. 3, 1927. Serial No. 158,688. 1 Claim. (Cl. 240-41.)



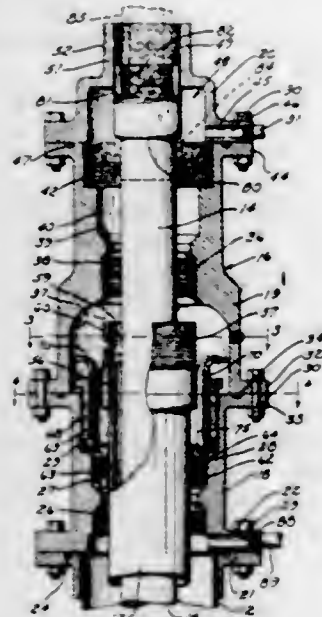
In a headlight, a reflector comprising two spaced and opposed portions each of which conforms to a longitudinal half of a surface of rotation, the surface thereof being formed by rotating a parabola about its axis; an intermediate connecting portion conforming to a surface of a parabolic cylinder; two sources of light positioned respectively at the foci of said first-named portions, and two hemispherical light shields having light-reflecting concave surfaces, said shields being positioned between said light sources with their centers of curvature at said foci respectively.

1,739,801. ADVERTISING DEVICE. EDMUND M. PITTS, Fresno, Calif., assignor to Sunland Sales Cooperative Association, Fresno, Calif., a Corporation of California. Filed Nov. 7, 1927. Serial No. 231,681. 2 Claims. (Cl. 206—1.)



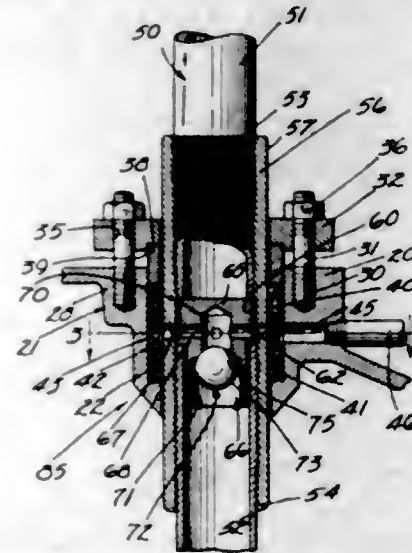
1. A box provided with a recessed portion other than its main interior, a plurality of vacuum cups initially positioned entirely within said recessed portion, and said box provided with means on its side adapted for receiving and retaining said vacuum cups in box supporting position when removed from said recessed portion.

1,739,802. PACKED CASING HEAD. CHESTER A. RASMUSSEN and CHARLES R. BUTLER, Long Beach, and WILLIAM A. TROUT, Los Angeles, Calif. Filed Jan. 5, 1927. Serial No. 159,067. Renewed Mar. 12, 1928. 6 Claims. (Cl. 166—14.)



1. In a combination of the class described: an outer casing adapted to extend into a well; a body connected to the upper end of said outer casing, said body having a chamber connected to the interior of said outer casing, and an opening connected to said chamber; a medial casing extended into said outer casing, the upper end of said medial casing terminating in said chamber, a packer placed in said chamber around said medial casing; a nut screwed into said chamber above said packer, said nut having an opening of larger diameter than said packer; inserts engaging said nut and said packer, said packer being compressed by said inserts, said inserts being removable without entirely removing said nut; an inner casing extended into said medial casing the upper end of said inner casing terminating in said chamber above said medial casing; and means for forming a seal between the interior of said inner casing and the interior of said medial casing, said inner casing being communicated with said opening.

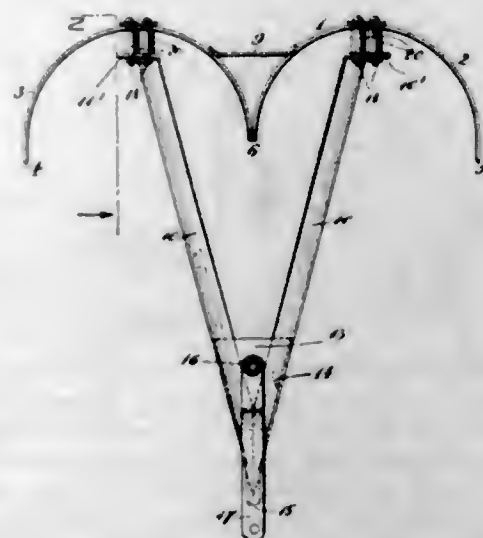
1,739,803. LINE-SHAFT-BEARING-LUBRICATING DEVICE. RONALD M. SCHLEGEL and ALFRED H. BOWLZER, Jr., Los Angeles, Calif., assignors, by mesne assignments, to Kimball-Krogh Pump Company, a Corporation of Delaware. Filed Apr. 26, 1927. Serial No. 186,636. 13 Claims. (Cl. 308—170.)



1. In combination: a rotary pump head body, there being a discharge vestibule formed in said body; a stuffing box provided upon said body and opening from said vestibule; a hollow line shaft extending through said stuffing box and divided adjacent to said stuffing box; a coupling extending within said stuffing box and uniting adjacent ends of said shaft at said division therein; a lantern disposed in said stuffing box and dividing the packing thereof, there being means for supplying a lubricant to said lantern and an opening in said coupling through which said lubricant may pass from said lantern; and a valve member positioned within said coupling and permitting a flow of lubricant from said coupling opening downwardly into the interior of said shaft.

7. In combination: walls forming a chamber; a stuffing box surrounding an opening connecting to said chamber; a primary shaft extending through said chamber and into said stuffing box; a secondary shaft extending into said stuffing box in axial alignment with said primary shaft; and an external coupling for joining said primary and said secondary shafts together against separation by axial strain, said coupling journaling in said stuffing box.

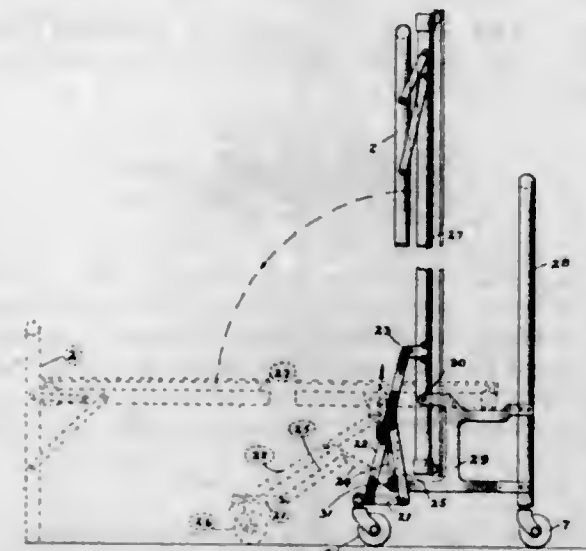
1,739,804. APPARATUS FOR SPREADING AND LEVELING ROAD MATERIALS. AUGUST E. SCHUTTM, Northboro, Mass. Filed Jan. 2, 1929. Serial No. 329,808. 11 Claims. (Cl. 94—44.)



1. A combination spreader and leveler for roadways comprising a drag presenting a bottom leveling edge, means

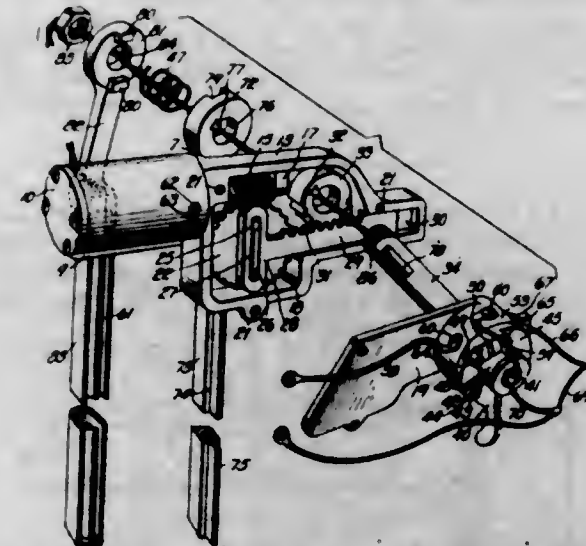
for supporting the drag whereby the bottom leveling edge thereof will lie a determinate spaced distance above the roadway as the drag is moved along the roadway through the material deposited thereon to be spread and leveled, and means whereby force may be exerted for drawing the drag along the roadway through said material and permitting of said determinate positioning of the bottom leveling edge of the drag being maintained.

1,739,805. PORTABLE FOLDING BED. NEIL SINCLAIR, Oakland, Calif., assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif., a Corporation of California. Original application filed Apr. 14, 1924, Serial No. 706,241, now Patent No. 1,607,925. Divided and this application filed Oct. 12, 1926. Serial No. 141,060. 5 Claims. (Cl. 5—168.)



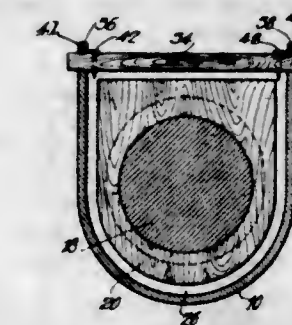
1. A folding bed comprising a supporting frame, a vertically arranged head piece secured to said supporting frame, a bed portion pivoted near one end to said frame on a horizontal axis so as to swing from a vertical to a lowered horizontally extended position, floor castors on said frame, a system of arms pivoted to said bed portion and to said frame, a floor castor carried by said system of arms spaced forwardly from and cooperating with said castors in supporting the frame with said head piece vertical, and said system of arms adapted and arranged to move said castor along the floor directly toward the foot of the bed upon lowering said bed portion.

1,739,806. WINDSHIELD WIPER. JOSEPH T. SPARLING, Tulsa, Okla. Filed Apr. 14, 1927. Serial No. 183,694. 17 Claims. (Cl. 15—253.)



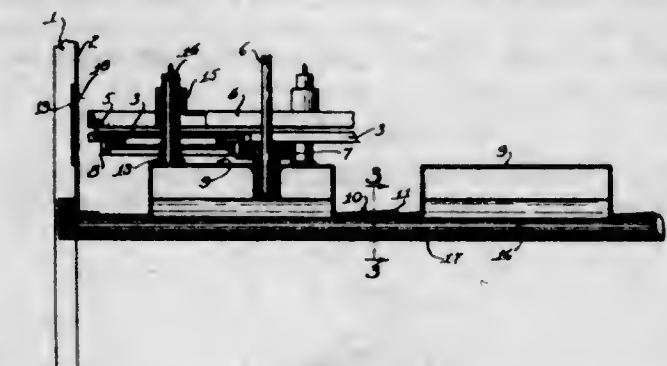
1. A windshield cleaner including a driving member, a wiper operatively connected with the driving member, an independent heating member, and means for selectively engaging the heating member with the wiper for actuating the heating member simultaneously with the wiper.

1,739,807. DUST-GUARD-WEDGE RETAINER. LOUIS H. STOMPS, Fairfield, Ala. Filed Nov. 18, 1926. Serial No. 149,086. 1 Claim. (Cl. 286—6.)



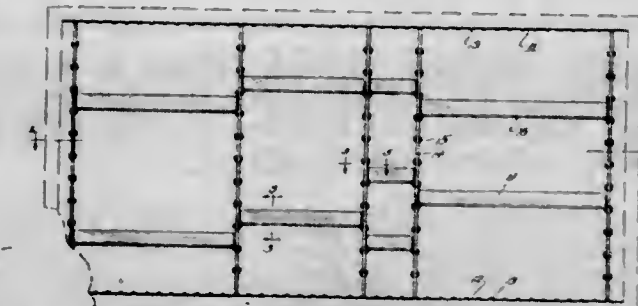
An axle journal box of the character described having a dust guard pocket formed therein with an open mouth at the top, the walls of said pocket extending above the top of the box, the end walls of said pocket having rectangular perforations therein and a wooden member of rectangular cross-section in wedged engagement with said perforations and closing said mouth and dowels driven in said wooden member to prevent dislodgment thereof upon shrinkage of the wood.

1,739,808. EXHAUST-BOX-FLOOR CONSTRUCTION. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed May 16, 1928. Serial No. 278,091. 6 Claims. (Cl. 126—272.)



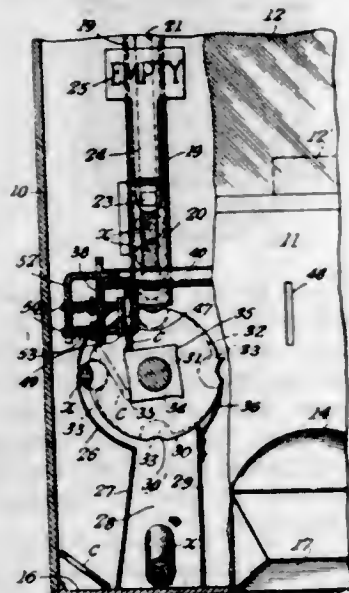
1. In an exhaust box, a floor comprising a sheet of metal bent to form a raised deck and an adjacent depressed trough, and can conveying means mounted upon said deck.

1,739,809. STEEL INSERT FOR STORE COUNTERS. WALTER N. VANCE, Chicago Heights, Ill., assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill., a Corporation of Illinois. Filed Jan. 20, 1928. Serial No. 248,111. 10 Claims. (Cl. 211—135.)



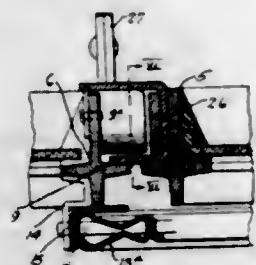
5. In an adjustable sheet metal shelf rack, a corrugated sheet metal top wall providing a spaced series of downwardly extending ridges, a similarly corrugated sheet metal bottom wall spaced from the top wall and providing a similar spaced series of upwardly extending ridges and removable partitions adapted to detachably embrace registering ridges in said top and bottom walls whereby to provide means for adjusting the spacing of said partitions, said corrugations being adapted to strengthen the top and bottom walls and simultaneously furnishing means for supporting the partitions in arranged position.

1,739,810. VENDING MACHINE. ANICETO R. VISITACIOS, New York, N. Y., assignor of one-third to General William Weigel and one-third to Louis G. Weigel, New York, N. Y. Filed Apr. 26, 1928. Serial No. 272,893. 2 Claims. (Cl. 194—88.)



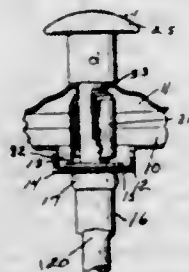
1. An actuator for a vending cylinder comprising a block at one end of the cylinder, said block having means to engage the lower edge of an entered coin, a fixed guide at the side of the coin, offset from the axis of said block, a spring raised lever having a part to contact the opposite side of the coin, and a part to engage the upper edge thereof to cause a partial revolution of said block and cylinder upon depression of said lever.

1,739,811. SCREEN CONSTRUCTION. JOHN O. WAGNER, Chicago, Ill. Filed Nov. 21, 1927. Serial No. 234,061. 2 Claims. (Cl. 156—14.)



1. In a window construction comprising a swingable ventilating section having a side member with an adjacent window frame member spaced from said side member, a channel shaped member secured to said side member and resilient means secured between said frame member and said channel shaped member.

1,739,812. FRICTION DETENT. ROBERT K. WINNING, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis. Filed Jan. 7, 1926. Serial No. 79,760. 4 Claims. (Cl. 74—39.)



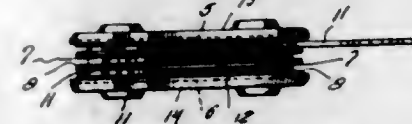
1. The combination with a reciprocable rod having a substantially cylindrical surface, of a split tubular contractile spring encircling said surface and exerting a substantially uniform pressure thereon, and means confining said spring against axial movement.

1,739,813. SHOE STICK. CLARENCE H. YOUNG, Boston, Mass. Filed Feb. 28, 1928. Serial No. 237,720. 8 Claims. (Cl. 211—34.)



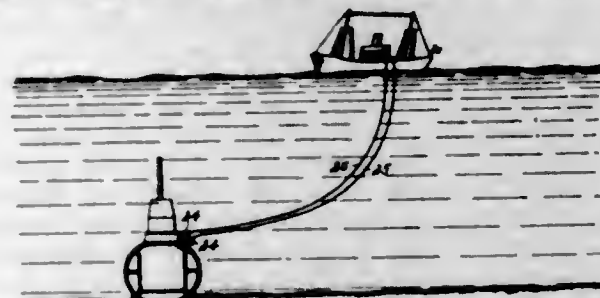
1. A shoe stick having, in combination, an elongated, relatively wide and thin metal strip, pins for engaging lasts secured at one of their ends to said strip, a similar strip having perforations closely fitting said pins at points intermediate their length, and means independent of said pins securing said strips to each other in rigid spaced relation, whereby to form a relatively light weight and rigid beam carrying said pins and supporting them against bending at their ends relative to the first mentioned strip.

1,739,814. KEY CASE. EVERETT V. ANDERSEN, Tyler, Minn. Filed Feb. 10, 1928. Serial No. 253,389. 4 Claims. (Cl. 59—97.)



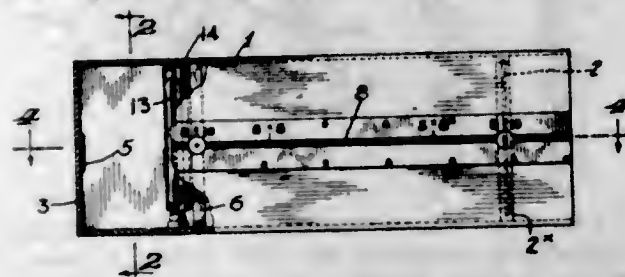
2. A key case comprising outer plates, pairs of intermediate resilient plates, the resilient plates of each pair having yieldable longitudinal edge portions normally directed toward each other, and means for pivotally mounting keys in the case between the pairs of resilient plates and for separably connecting said outer and intermediate plates.

1,739,815. SAFETY DEVICE FOR SUBMARINES. RICHARD E. ANDREW, Philadelphia, Pa. Filed Mar. 20, 1928. Serial No. 263,181. 2 Claims. (Cl. 114—16.4.)



2. A safety device for submersible vessels including a conduit threaded through the shell of the vessel, gaskets encircling the conduit and abutting each side of said shell, a collar formed on the conduit and abutting one gasket, a lock nut threaded onto the conduit and abutting the other gasket, caps threaded onto the ends of the conduit, a gear formed on one cap, a gland in said shell, a shaft rotatable in the gland, a pinion fixed on one end of the shaft and meshing with the gear, a square part on the other end, and flexible means connecting the pinion and gear.

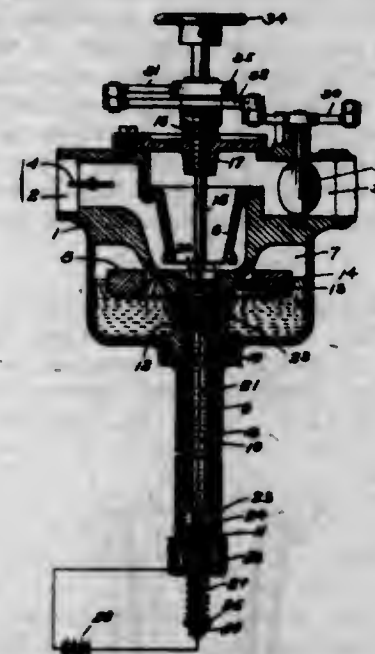
1,739,816. PHOTOGRAPHIC PORTRAIT ENLARGEMENT VISUALIZER. RALPH F. BARTON, New Haven, Conn., assignor to Photomaton, Inc., New York, N. Y., a Corporation of New York. Filed May 12, 1928. Serial No. 277,166. 1 Claim. (Cl. 88—24.)



A photographic portrait enlargement visualizer, comprising a box-like casing, the rear of the casing being

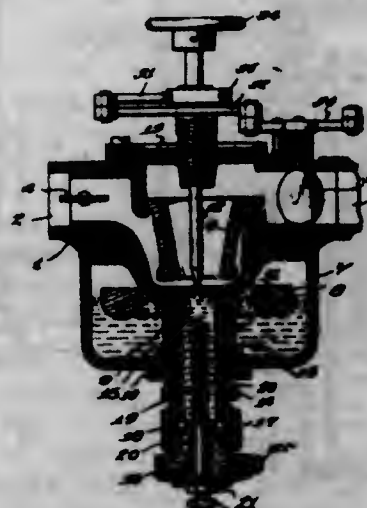
formed with a movable wall, the wall being adapted to receive and support a photographic image and a side wall of the casing being formed with a longitudinal slot, a partition movable longitudinally within the casing, an enlarging lens carried by the partition, illuminating means rearwardly of the partition for throwing rays of light upon the movable wall, a ground glass within the casing forwardly of the partition and movable toward and from the latter and means carried by the partition and ground glass and projecting through said slot whereby said partition and glass may be manually adjusted longitudinally of the casing, whereby a small photograph carried by the wall may be thrown upon the ground glass to demonstrate its appearance in various degrees of enlargement.

1,739,817. CARBURETOR. ERL V. BEALS, Boston, Mass. Filed Apr. 10, 1926. Serial No. 101,152. 2 Claims. (Cl. 261—12.)



2. In an apparatus for forming combustible charges for internal-combustion engines, the combination of a fuel-chamber, a casing-tube depending therethrough and closed at its lower end and having a fuel-port communicating with the fuel-chamber, a gasifying-tube suspended within said casing-tube and spaced away therefrom to form an annular chamber between the two tubes, the suspending means being a plug screwed into the upper end of said casing-tube, said gasifying-tube being provided with a fuel-inlet at a point below its upper end and also with a fuel-outlet at its upper end in said screw plug, a valve controlling this fuel-outlet, and electrical means including a heating-element mounted within said gasifying tube.

1,739,818. CARBURETOR. ERL V. BEALS, Boston, Mass. Filed Aug. 29, 1927. Serial No. 216,264. 7 Claims. (Cl. 219—38.)



1. In a carburetor, a float-chamber having a tube depending therethrough, a heater-tube supported at its upper

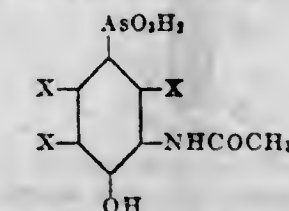
end and depending through the aforesaid tube and provided with a fuel-exit at its upper end, means associated directly with the heater-tube for controlling the exit of fuel, and a removable plug closing the lower end of the heater-tube and carrying a heating element extending up into the tube.

1,739,819. METHOD OF APPLYING SIGNS TO GLASS. HUGO BEINROTH, Hamburg, Germany, assignor to Heyden Chemical Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 23, 1928. Serial No. 264,281, and in Germany Mar. 29, 1927. 4 Claims. (Cl. 41—22.)

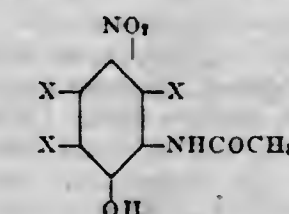
1. The method of applying signs on the rear side of glass, consisting in applying an adhesive to the glass, pressing tightly upon the glass a strip of a film, having a coloring matter embedded therein, providing then a coat of another adhesive on said film, impressing a thin foil of an easily cut protective material upon the adhesive when highly sticky, imprinting the reversed sign upon the aforesaid foil, cutting the layers through to the glass along the edges of the sign, and ripping off the superfluous parts of the layers when dry.

1,739,820. PROCESS FOR MANUFACTURING 4-HYDROXY-3-ACETAMINOARYL-1-ARSONIC ACID. LOUIS BENDA, Mainkur, near Frankfurt-on-the-Main, and OTTO SIEVERS, Hohe Tanne, near Hanau-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed July 18, 1926. Serial No. 123,006, and in Germany May 28, 1925. 5 Claims. (Cl. 260—14.)

1. A process for preparing 4-hydroxy-3-acetaminoaryl-1-arsonic acids of the probable formula:



wherein the X's stand for hydrogen atoms, of which one or more may be replaced by a monovalent substituent, which comprises reducing the aryl-1-nitro-3-acetamino-4-hydroxy compounds of the formula:

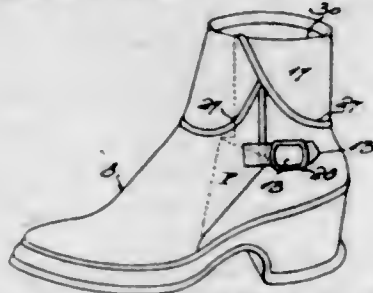


wherein the X's stand for hydrogen atoms, of which one or more may be replaced by a monovalent substituent, and diazotizing the resulting compounds and treating the diazo compounds thus obtained with an alkali-metal arsenite.

1,739,821. UPPER AND PROCESS OF CONSTRUCTING SAME. EDGAR S. BOTT and ARTHUR S. FUNK, La Crosse, Wis., assignors to La Crosse Rubber Mills Co., La Crosse, Wis., a Corporation of Wisconsin. Filed Apr. 19, 1928. Serial No. 271,321. 5 Claims. (Cl. 86—5.)

1. In a galosh upper, a vamp entirely free from one side quarter at the upper portion of the latter, the other side quarter and the vamp being continuous, the lower portion only of said vamp having a surplus of material joined to the lower portion of said one side quarter at the front edge of the latter to form a pocket, of less height than the side quarters and terminating below the upper ends thereof, said pocket being normally folded rearwardly into flat form and overlapping the outer side of said lower portion of said one side quarter, the part of the vamp above said

pocket being normally disposed in overlapping relation with the upper portion of said one side quarter, means for holding the parts in their overlapped relation, and a turn-down cuff at the top of the upper extending from the free rear edge of said vamp to the front edge of said one



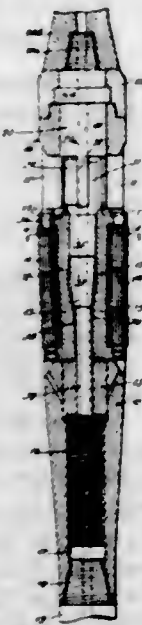
side quarter, whereby the ends of said cuff are overlapped at one side of the upper; termination of said pocket below the upper end of said one side quarter serving to overcome excessive thickness at said end under the overlapped cuff ends.

1,739,822. MATCH BOX. EDGAR BOUCHARD, Quebec, Quebec, Canada. Filed Nov. 8, 1927. Serial No. 231,930. 1 Claim. (Cl. 206-34.)



A combined match box and igniter, comprising a rectangular piece of pliable material equally proportionated and divided into a number of matches, an inwardly protruding fold formed on the lower edge of the box, a coating of abrasive material arranged on the interior face of the said fold to secure the matches in place and to ignite said matches upon withdrawal from the folded section.

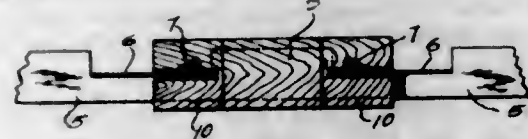
1,739,823. ROTARY CHANGEABLE CUTTER REAMER. STEWART L. CAMPBELL, Berkeley, Calif., assignor to John Grant, Los Angeles, Calif. Filed Aug. 8, 1928. Serial No. 298,145. 6 Claims. (Cl. 255-75.)



1. A changeable cutter reamer, comprising a body, a mandrel within and rotatable with relation to the body,

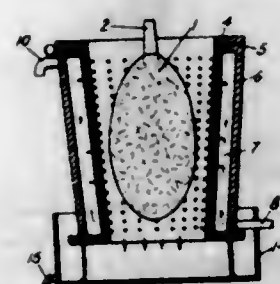
the mandrel having cutter abutment surfaces angularly spaced from each other about the axis of rotation and located at different radii from the axis of rotation, and two cutters mounted in the body to move in and out and spaced from each other angularly in correspondence with the angular separation of the two surfaces on the mandrel.

1,739,824. BLOCK FOR STEEL STUDDING AND THE LIKE. CORNELIUS COLLINS, Los Angeles, Calif. Filed June 26, 1928. Serial No. 288,373. 12 Claims. (Cl. 72-115.)



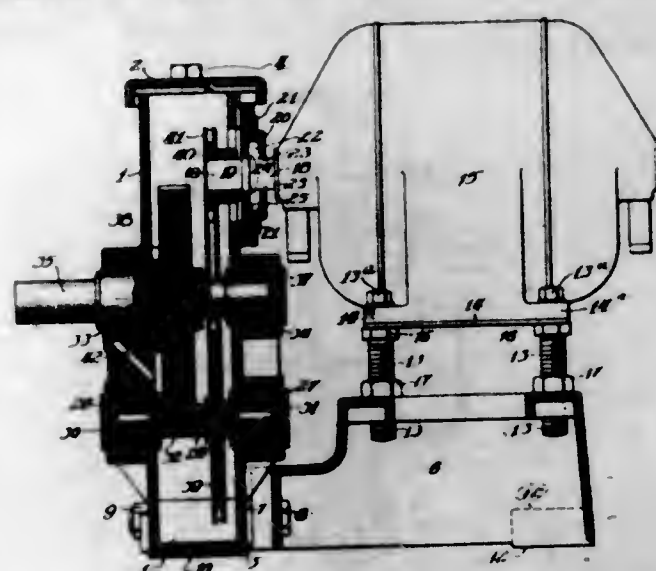
2. In combination with a metallic bracket shaped bar having a leg with spaced wings extending laterally with respect to the plane of said leg, each of adjacent wings being formed with bendable fingers extending lengthwise of said bar, a mauling block having end extensions of reduced thickness provided with openings in which adjacent wings are disposed with the fingers projecting beyond the outer face of said block, said fingers being angularly disposed to overlie the outer face of said block.

1,739,825. PROCESS FOR PRODUCING CRACKLED GLASSWARE. VIRGIL O. CORNWELL and FRED J. BLACKBURN, Columbus, Ohio, assignors to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 5, 1928. Serial No. 250,198. 11 Claims. (Cl. 49-77.)



3. The method of producing crackled ware which comprises gathering a glass blank upon a tool, and throwing streams of water against the blank of a quality and quantity sufficient to produce crackles in the blank without changing the temperature of the blank to a degree that will prevent proper shaping thereof.

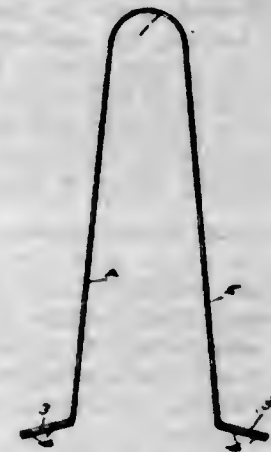
1,739,826. ELECTRIC LOW-SPEED UNIT. OTTO CULMAN, Chicago, Ill. Filed Jan. 21, 1928. Serial No. 248,349. 4 Claims. (Cl. 74-7.)



1. A housing for speed reducing mechanism provided with abutments on one side thereof adjacent to its lower

end, and reducing mechanism in said housing, in combination with a hollow base adapted to support an electric motor, a motor on said base, provided with a shaft projecting into the housing, and operative connections between said shaft and said reducing mechanism, said base provided with abutments at one end arranged to co-act with said first named abutments, means to hold said abutments rigidly together, and means on said base to vertically adjust an electric motor and to maintain it in its adjusted position.

1,739,827. HOLD-DOWN DEVICE FOR AUTOMOBILES. GEORGE C. FEDDERMAN, Detroit, Mich., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed May 6, 1924. Serial No. 711,451. 5 Claims. (Cl. 188-32.)



5. In combination, a hold down device consisting of a metallic member of partial loop form, having side legs with feet portions bent to one side, and inclining downwardly and outwardly to rest initially only upon their extreme outer ends, and adapted to receive nails at different distances from the end of the foot portion, whereby the driving of a second nail more distant from the end of the foot than the first nail will tighten the hold down and take up slack, and a plate overlying the foot portion and extending laterally beyond said foot portion, said plate having nail openings at different distances from the end of the foot portion to receive the nails passing through the plate, and to receive other nails through its laterally extending portions, substantially as described.

1,739,828. HOLD-DOWN DEVICE. GEORGE C. FEDDERMAN, Detroit, Mich., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 16, 1927. Serial No. 199,802. 4 Claims. (Cl. 188-32.)

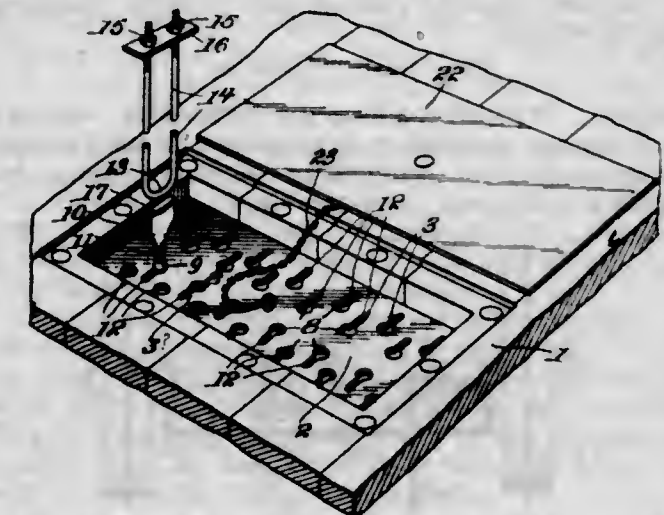


1. A hold down device having a leg and a foot, a reinforcing plate for said foot, said plate having a tongue struck out from the plate within the margin thereof and engaging the foot, the main body of the plate being on one side of the foot, the struck out portion being on the other, the said tongue and foot being deformed so that the foot enters slightly into the opening left in the plate by striking out the tongue.

1,739,829. DEVICE FOR HOLDING AUTOMOBILES IN FREIGHT CARS. GEORGE C. FEDDERMAN, Detroit, Mich., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich. Filed Mar. 7, 1928. Serial No. 259,885. 12 Claims. (Cl. 105-365.)

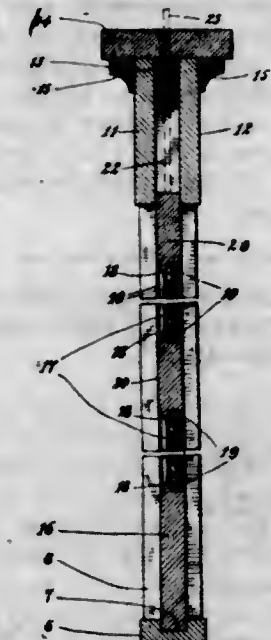
1. A device for holding vehicles during shipment which including, a rail housing, vertical stile members having

a hook element secured to the above mentioned member, and a hold down adapted to removably engage the hook element.



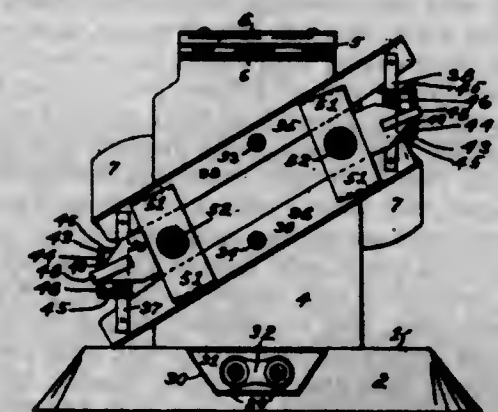
2. A device for holding vehicles during shipment which includes a plate adapted to be secured to a car floor, a hook element removably secured to the plate and a hold down adapted to removably engage said hook.

1,739,830. INTERIOR PARTITION. PHILIP FELDMAN and MAX YACKER, Brooklyn, N. Y. Filed Sept. 8, 1927. Serial No. 217,316. 8 Claims. (Cl. 20-4.)



1. A convertible partition of the character described, including, a rail housing, vertical stile members having their upper ends extending into said housing, and rail members slidably engaging said stile members in such a manner as to permit said rail members to be moved into and out of said rail housing.

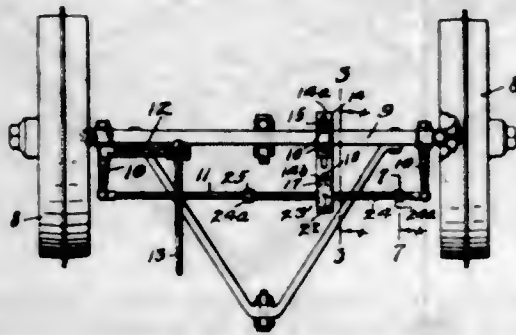
1,739,831. TOASTER. LEE FORREST FISHER, St. Louis, Mo. Filed June 15, 1928. Serial No. 285,688. 6 Claims. (Cl. 53-5.)



1. In a toaster, a support, heating means borne thereby and presenting opposing radiating sides, a toast-holder

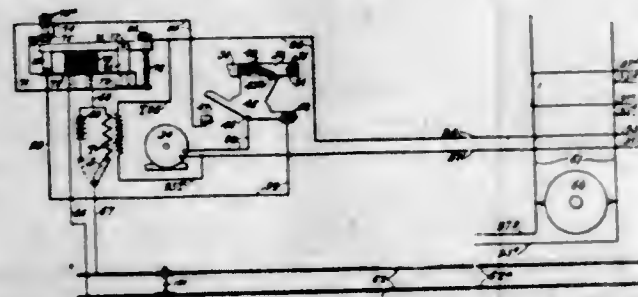
pivoted to said support and capable of movement in a plane parallel to the heating means, reciprocatory means for operating said holder, and a pair of members engaging respective opposite sides of said operating means to guide the latter.

1,739,832. STEERING-GEAR ATTACHMENT. RONALD E. FLATHERS, Iroquois, S. Dak., assignor to Ed. Flathers, Iroquois, S. Dak. Filed Sept. 30, 1927. Serial No. 223,057. 2 Claims. (Cl. 280-94.)



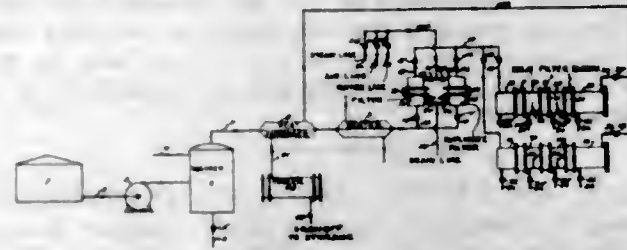
1. A steering attachment for motor vehicles comprising an arm adapted to be rigidly attached to a relatively stationary portion of the frame of a vehicle and terminating adjacent the connecting rod of the steering mechanism, a vertical guide rigidly carried at said end of said arm and open at its portion adjacent said connecting rod, a roller support slidably mounted in said guide, a roller journaled in said support, a retaining member adapted to be fixed to said connecting rod and extending longitudinally thereof, said retaining member having a seat or detent adapted to be engaged by said roller when the steering mechanism is moved to a predetermined position, and means for yieldingly holding said roller against said retaining member.

1,739,833. SIGNALING SYSTEM. WILLARD P. FOWLER, Metropolis, Ill. Filed Oct. 13, 1927. Serial No. 225,918. 2 Claims. (Cl. 246-128.)



1. In a railway signaling system, the combination of a signaling member; a reversible gearing operable to move the signaling member to and from its signaling position; a gearing mechanism to drive said reversible gearing; a high tension electric circuit including a motor for driving said gearing mechanism, a double throw switch which includes two contacts and a movable element, the latter being electrically connected to the motor and alternately connectible with said contacts, an electric conductor connected to the other terminal of said motor, means to shift said switch for breaking with one of its contacts and closing with the other one of its contacts, circuit-breaking means automatically operable to break the circuit through the motor upon thus shifting said switch; and an incomplete closing circuit of low tension including a circuit-closing magnet, two railway rails, a step-down transformer, electric conductors connecting said transformer with said magnet and with one of said railway rails, and an electric conductor connecting said magnet with the other one of said railway rails, this incomplete closing circuit being adapted to be completed by a conducting axle and wheels on said railway rails and thus made effective for closing said normally open part of the said high tension circuit, the said transformer including a primary coil in parallel with said high tension circuit.

1,739,834. METHOD OF DEHYDRATING OIL. EARLE W. GARD, Long Beach, BLAIR G. ALDRIDGE, Los Angeles County, and HUGH J. MULLER, Huntington Park, Calif. Filed Nov. 16, 1926. Serial No. 148,731. 5 Claims. (Cl. 196-4.)



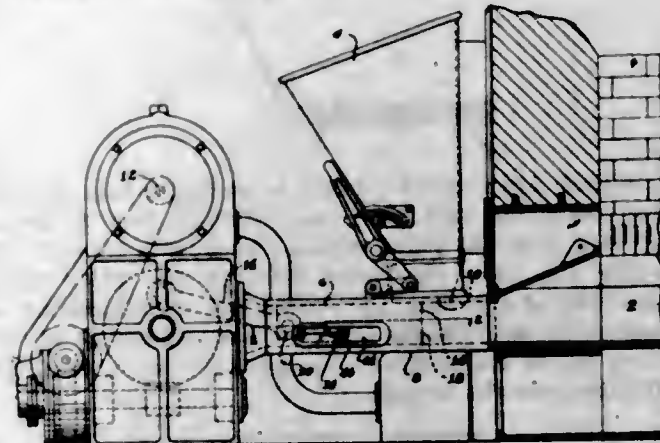
1. A process of dehydrating and separating solid foreign bodies from an emulsified oil which comprises, first washing the emulsified oil with water to separate the solid foreign bodies, then heating the emulsified oil substantially free of said solid foreign bodies, and passing the same through a series of solid foraminous blocks containing capillary passages to gradually agglomerate the water content contained therein and continually collecting and removing the agglomerated water in stages.

1,739,835. ELECTRIC SWITCH. ARTHUR C. GAYNOR, Stratford, Conn. Original application filed Aug. 2, 1926. Serial No. 126,530, now Patent No. 1,690,780, dated Nov. 6, 1928. Divided and this application filed Jan. 10, 1927. Serial No. 160,211. 7 Claims. (Cl. 200-144.)



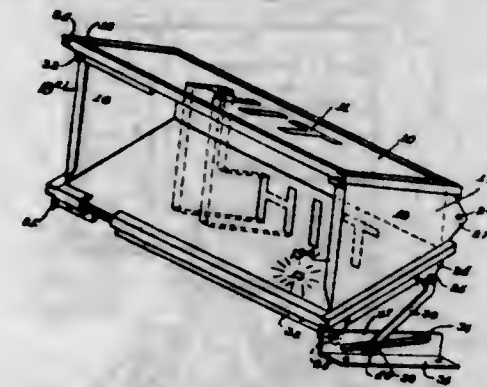
1. In an electric switch, the combination of a porcelain base having a slot therein, the walls of said slot having a coating of lacquer applied thereto, fixed contacts located at opposite ends of the slot, and a contact blade movable in said slot into and out of engagement with said contacts.

1,739,836. FURNACE. AUGUST OLAF HANSEN, New York, N. Y., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 2, 1927. Serial No. 210,056. 8 Claims. (Cl. 198-226.)



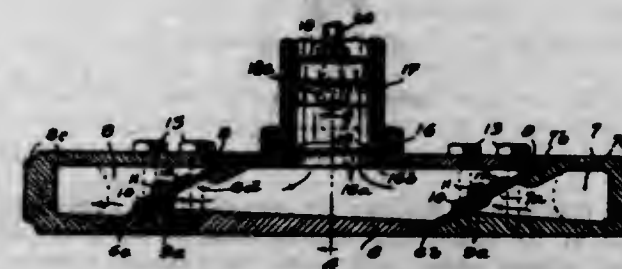
2. A fuel feeding ram for a furnace having, two fuel pushing sections relatively movable longitudinally, and means under the control of the operator to either reciprocate longitudinally both of said sections together or to reciprocate longitudinally one of said sections while the other is held stationary.

1,739,837. ADVERTISING SIGN. GEORGE HYMAN, New York, N. Y. Filed June 6, 1928. Serial No. 283,425. 3 Claims. (Cl. 40-130.)



1. In an advertising sign in the form of an open chamber the combination with an inclined mirror and an impervious stencil, provided with lettering transparent to light, arranged substantially horizontally above said mirror, of a center body forming the bottom and back of the chamber, side walls connecting with the bottom and back of the center body, a groove at the upper and lower end of the back, a groove at the upper and lower end of each side wall converging towards the rear and abutting the upper and lower groove of the back, respectively, a flap depending from the lower groove of each side wall and from the sides of the bottom, rails consisting of a groove and a flap extending downwardly along the same, U-shaped rails with a soft lining inside embracing the edges of the mirror and stencil, and means holding the center body, the side walls and rails together.

1,739,838. PUMP STRUCTURE. FREDERICK W. JOHNSON, Excelsior, Minn. Filed Sept. 27, 1928. Serial No. 308,621. 2 Claims. (Cl. 103-153.)



1. A pump especially adapted for pumping liquid containing foreign material, comprising a horizontal pumping chamber having a substantially straight longitudinal passage therethrough, the bottom of said passage being flat and unobstructed, said passage having an intake port at one end thereof disposed slightly above the bottom of said passage and having an outlet port at the opposite end having its lower edge disposed flush with the bottom of said passage, a pumping cylinder communicating laterally with the upper and intermediate portion of said pumping chamber, a reciprocating plunger in said cylinder, a flap valve at the intake end of said pumping chamber having its lower edge free for movement into said passage, and a flap valve at the outlet end of said chamber having its lower edge free for movement outwardly of said passage.

1,739,839. PROCESS OF AGGLOMERATING ORE, MINERAL, OR OTHER MATTER AND THE PRODUCT PRODUCED THEREBY. PIERRE JUNO, Berlin-Neukolln, Germany. Filed July 5, 1923. Serial No. 649,727. 6 Claims. (Cl. 75-65.)

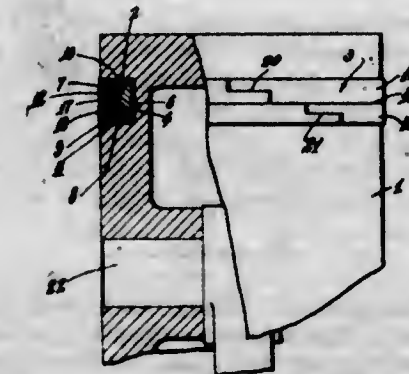
1. The process of briquetting raw material which comprises mixing the raw material with an adhesive comprising a colloidal dispersion of a material which material does not normally when not in the colloidal state, possess binding or adhesive properties.

1,739,840. PROOFING CELLULOSIC, ANIMAL, AND OTHER SUBSTANCES AGAINST INSECTS, ANIMALS, AND ORGANISMS. SYDNEY WILMER KENDALL, Ealing, London, England. Filed Aug. 10, 1925. Serial No. 49,482, and in Great Britain Aug. 14, 1924. 7 Claims. (Cl. 167-37.)

4. An anti-pest composition including a compound having as a base radical one of the group comprising thallium, yttrium or titanium, and as an acid radical fatty acids, said compound being concentrated to a degree to avoid interfering with the absorptive character of the material to which the composition is applied.

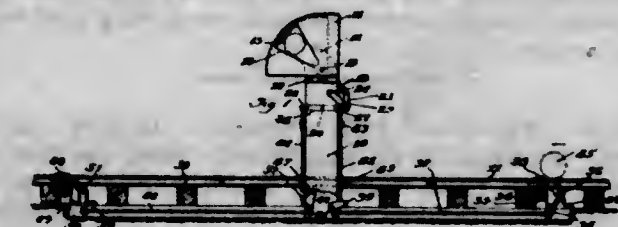
5. A textile material impregnated with a composition including a compound having as a base radical one of the group comprising thallium, yttrium or titanium and as an acid radical higher organic acids, the composition being applied in such concentration of the compound or compounds as to avoid interfering with the normal absorptive character of the textile material.

1,739,841. PISTON AND PISTON RING. ARTHUR V. KINSELE, Los Angeles, Calif., assignor of one-half to Clarence Watts, Los Angeles, Calif. Filed Jan. 25, 1928. Serial No. 249,292. 6 Claims. (Cl. 74-109.)



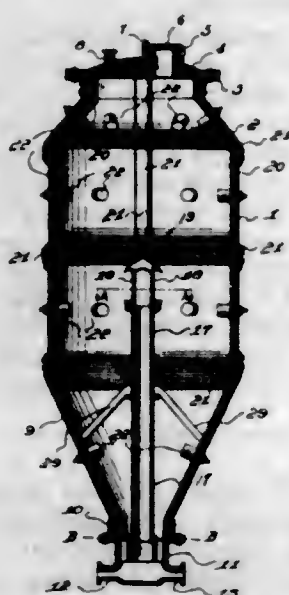
1. In a packing ring to be received in the packing groove of a piston, the combination of an inner expansion ring having a substantially cylindrical inner face to be received at the bottom of the groove and having inclined outer faces, a pair of wedge-rings seating respectively on the outer inclined faces of the inner ring and having substantially cylindrical outer faces, and packing means having a cylindrical face seating against the cylindrical faces of the wedge-rings and having joints located out of alignment with the joint formed between the adjacent edges of the wedge-rings.

1,739,842. RAILWAY SIGNAL. JOSEPH KLIMALA, Chicago, Ill. Filed Aug. 8, 1928. Serial No. 298,299. 3 Claims. (Cl. 246-293.)



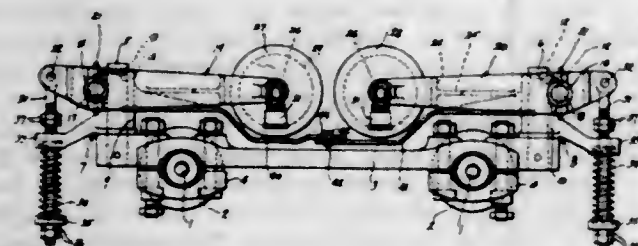
1. A railroad signal comprising a support, a hood positioned upon said support, said hood having an opening, a plate pivoted upon said support, said plate having lower and upper fields each of different color, normally the lower field registering and showing through said opening in said hood, and means for shifting said plate for displacing said lower field from registering with said opening and for bringing the upper field to register with said opening, said plate being maintained in said latter position by virtue of its equilibrium.

1,739,843. ACID-RESISTING APPARATUS. GEORGE D. KNIGHT, Redwood City, Calif., assignor to Emory Winship, Macon, Ga. Filed Apr. 27, 1928. Serial No. 104,923. 12 Claims. (Cl. 220-63.)



1. In acid resisting apparatus, an outer and inner section provided with openings therethrough and a securing means engaging the openings of the respective sections and extending through the said sections, each securing means including a bolt, a nut engaging one end of said bolt and a cap surrounding said nut, the inner section abutting against the said cap and means to seal the edges of said cap.

1,739,844. COLLECTOR. STEVE KRAYNICK, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 17, 1927. Serial No. 199,460. 15 Claims. (Cl. 191-70.)

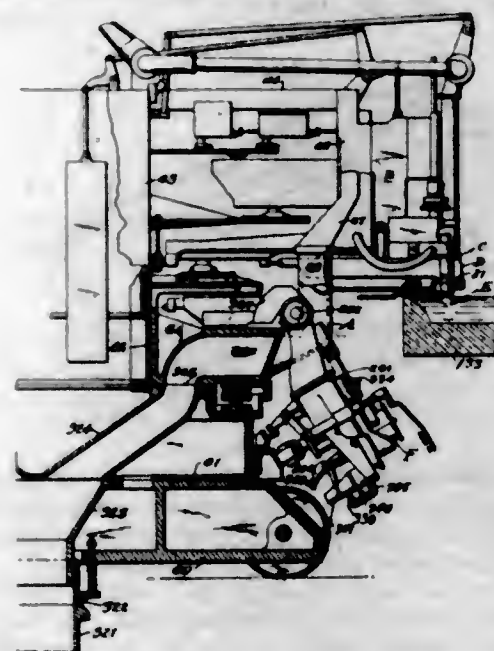


1. A collector of the character described comprising a plurality of contacting devices, means for mechanically connecting and supporting said devices in such manner as to permit them to be laterally movable with respect thereto to follow the path of a conductor, and means for constraining the contacting devices to partake of corresponding movement with respect to said connecting and supporting means.

1,739,845. MACHINE FOR FORMING GLASS ARTICLES. RICHARD LA FRANCE, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Corporation of Ohio. Original application filed Apr. 22, 1924. Serial No. 708,172. Divided and this application filed Oct. 18, 1926. Serial No. 142,166. 8 Claims. (Cl. 40-5.)

4. In a glass forming machine, the combination of a mold carriage, a sectional blank mold thereon, a neck mold, means to separate the blank mold sections and leave a blank supported in the neck mold, a finishing mold frame, a finishing mold thereon, means to swing said frame upward and thereby bring the finishing mold into position to enclose the blank while the blank mold sections are separated, a blower carried by said frame and brought into position to blow air against the open

blank mold when said frame is in said upwardly swung position, automatic means to shift the blower relative to



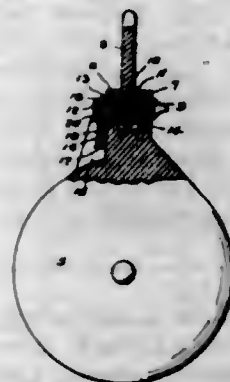
said frame to an inoperative position, and means actuated by said shifting of the blower to cut off the supply of air to the blower.

1,739,846. DRILL BIT FOR BORING WELLS. CHARLES E. LANG, Corsicana, Tex., assignor of one-fourth to John Addison Muncy and one-fourth to Penelton G. Midgett, Dallas, Tex. Filed Nov. 21, 1927. Serial No. 234,803. 4 Claims. (Cl. 255-61.)



1. A rotary well drilling bit comprising a blade having a head at its upper end and twisted to form torsional vertical cutting edges, said blade continuously converging downwardly along its vertical axis from said head to said edges and increasing continuously in transverse diameter radially outward from said axis to said edges.

1,739,847. PIN LOCK. ALBIN T. LINN, Port Angeles, Wash. Filed Jan. 23, 1928. Serial No. 248,634. 2 Claims. (Cl. 254-193.)



1. The combination with a cable block, of a pin lock comprising a hooked key member, a shackle, pins connecting said block and shackle, one of said pins having a hole therethrough, a spring for said key member adapted to normally retain the hooked portion of the key member within the hole in said pin, and a casing for the spring and key.

1,739,848. SNAP LINK. JOSEPH H. LOISELLE and NATHAN B. COHEN, Duluth, Minn., assignors of one-third to Frank P. Loisel, Duluth, Minn. Filed Oct. 22, 1928. Serial No. 314,092. 8 Claims. (Cl. 24-238.)



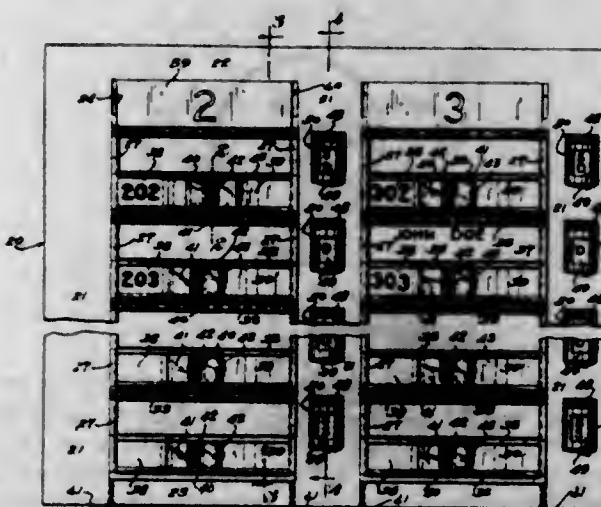
1. A spring member for a snap link, the latter having a loop at one end and a hook at the opposite end, characterized by having a hook-like member at one end provided with laterally disposed ears for readily removable engagement with the loop of the link, and the opposite end acting as a closure for the hook of the link.

1,739,849. VEHICLE BUFFER DEVICE. GEORGE ALBERT LYON, Philadelphia, Pa., assignor, by mesne assignments, to American Chain Company, Inc., a Corporation of New York. Filed July 12, 1923. Serial No. 651,038. 7 Claims. (Cl. 293-55.)



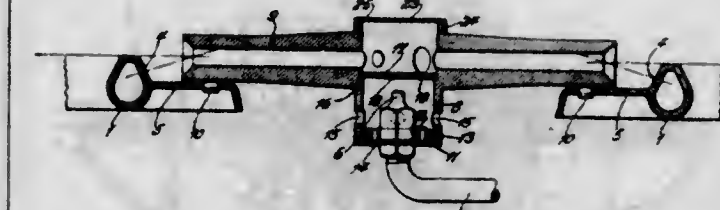
7. An automobile buffer comprising a plurality of wide thin separately formed resilient metal strip portions constituting an impact element, said strips being arranged in vertical relation to each other and each strip having an integral and connector portion at the lateral end of the element folded angularly to bring the extremities of said folded portions of said connector portions into proximity, said connector portions at the adjacent lateral ends of said strips forming oppositely bevelled rounded loop ends connected to each other to hold said strips in spaced vertical relation.

1,739,850. HOTEL CLERK'S ROOM AND INFORMATION RACK. JOHN C. MCKINNEY, Minneapolis, Minn. Filed Dec. 8, 1927. Serial No. 237,444. 10 Claims. (Cl. 40-63.)



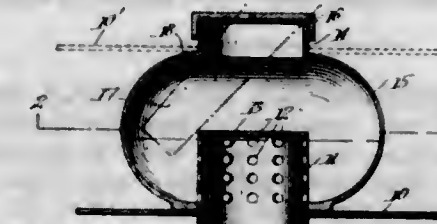
1. In a rack of the kind described, the combination with a frame, of a plurality of individual receptacles in the frame, and a holder in each receptacle for removably holding a member.

1,739,851. IGNITION DEVICE FOR GAS BURNERS. CARL E. METHUDY, St. Louis, Mo., assignor to Methudy Enamel Range Co., East St. Louis, Ill., a Corporation of Illinois. Filed Jan. 23, 1928. Serial No. 248,583. 13 Claims. (Cl. 158-115.)



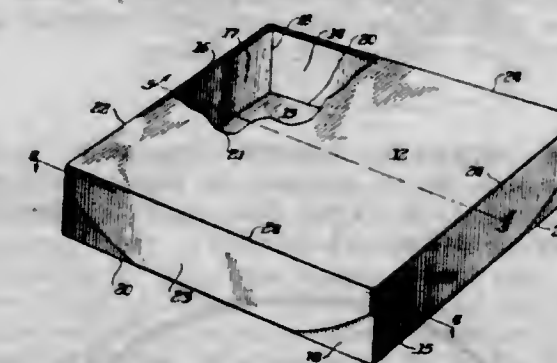
1. A device of the character described comprising a pilot light casing having flash openings therefrom, a pilot light burner tip extending upwardly into said casing and terminating below the plane of said openings, and a guard within and wholly supported by said casing above said burner tip and below said openings and having a hole above said burner tip and a series of holes between said first named hole and the wall of said casing.

1,739,852. ATTACHMENT FOR TANKS. JOHN R. MIDDLETON, Boise, Idaho. Filed May 31, 1928. Serial No. 281,788. 3 Claims. (Cl. 220-86.)



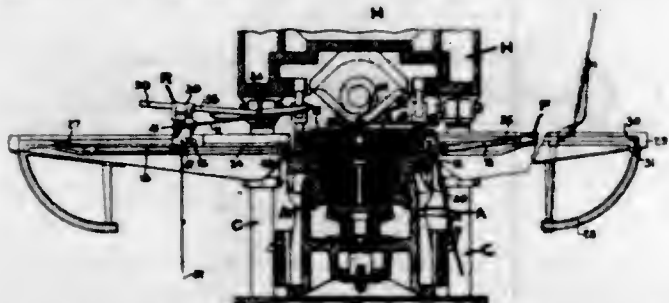
1. The combination with a tank having a filling opening, of a neck secured to the tank substantially coaxially with the filling opening, said neck having a lower bulb-shaped portion, an inverted cup-like member within said portion, the lower converging walls of the latter being secured to the lower portion of said member, the side walls of said member within said portion being provided with perforations and the end wall thereof being imperforate.

1,739,853. FOLDING BOX. DANIEL NELSON, Oak Park, Ill., assignor to Marshall Field and Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1927. Serial No. 175,053. 5 Claims. (Cl. 229-33.)



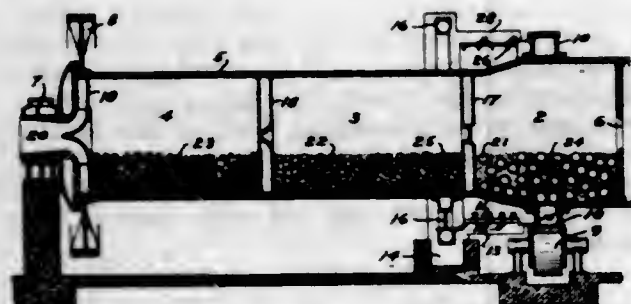
1. In a folding box, a portion comprising a main panel having side and end panels connected thereto, said side and end panels having a tendency to seek and remain in a position inwardly of the vertical position, said side panels being provided with end flaps having a tendency to seek and remain in a position inwardly of the right angular position relative to said side panels whereby when said flaps are moved to a position at right angles to said side panels they remain in position by the frictional engagement with said main panel caused by said inward tendency of the side panel and in turn support the side panels in vertical position in opposition to the inward tendency of the side panel and in turn support panels in set up position operating to support the end panels in opposition to the inward tendency thereof.

1,739,854. BLANK-SERVING APPARATUS FOR ROLLING MILLS. EMIL A. NELSON, Abington, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 9, 1925. Serial No. 21,798. 15 Claims. (Cl. 80-16.)



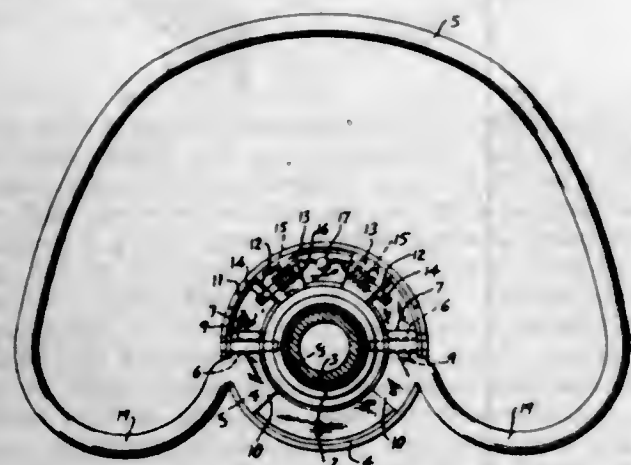
1. An apparatus of the character described comprising a rotatable working element associated with a determinate work-rotating axis, means for supporting and centering a blank laterally of the work-rotating axis, guiding means for said supporting and centering means establishing a path of movement thereof toward and from axial coincidence of the centering means with the work-rotating axis, work-centering means associated with the work-rotating axis, and automatic means to transfer a blank from one centering means to the other actuated through the projection of the blank-supporting and centering means to a position of axial coincidence with the work-rotating axis.

1,739,855. COMMUNUTING MILL. RAY C. NEWHOUSE, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Dec. 20, 1928. Serial No. 327,209. 15 Claims. (Cl. 83-9.)



1. In combination, a rotary shell forming a comminuting chamber, a tire rotatably supporting said shell and having a passage communicable with said chamber, means for classifying material delivered from said chamber, and means for returning material from said classifying means to said chamber through said tire passage.

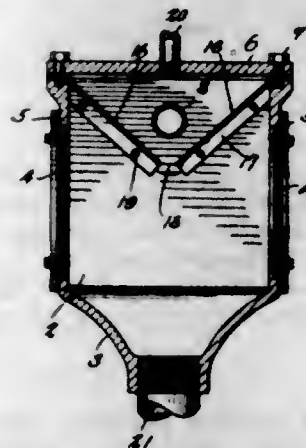
1,739,856. STEERING MEANS. CLAUDE S. PADGETT, Washington, D. C., assignor to Irene Brandenburg, Washington, D. C. Filed Mar. 21, 1927. Serial No. 177,074. 4 Claims. (Cl. 74-33.)



1. The combination with the steering post of an automobile, of a hub on said post, and a wheel part consisting

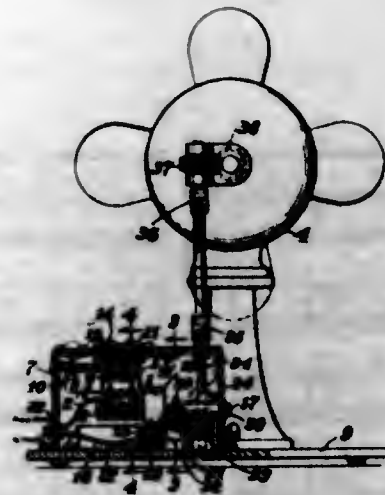
of a single reversible steering segment swingingly connected to said hub in a manner to swing up and over from a near driving position to a far driving position and vice-versa.

1,739,857. DEODORIZER. JESSE W. PELPHREY and ARTHUR W. PELPHREY, Los Angeles, Calif.; A. W. Pelphrey administrator of said Jesse W. Pelphrey, deceased. Filed Jan. 11, 1927. Serial No. 160,504. 1 Claim. (Cl. 261-15.)



A structure of the class described, comprising a box-like main casing, inwardly and downwardly converging baffle plates secured in the main casing and extending from one side of the casing to the other, the baffle plates being spaced apart at their lower ends to form a reduced slot extended entirely across the casing, a casing having a tapered lower end provided with a water outlet, a removable lid on the top of the casing, a water inlet carried by the lid, the baffle plates being located between the lid and the outlet, the inlet and the outlet being in line, vertically, with the slot, a valve mechanism including a valve casing disposed between the baffle plates on the one hand, and the water inlet, on the other hand, the valve casing being located within the main casing and having an outlet which discharges in close relation to the lower ends of the baffle plates and below the slot, valve operating means accessible from the outside of the main casing and extended outwardly through the main casing from the valve casing, and a pipe connected to the valve casing and extended out of the main casing.

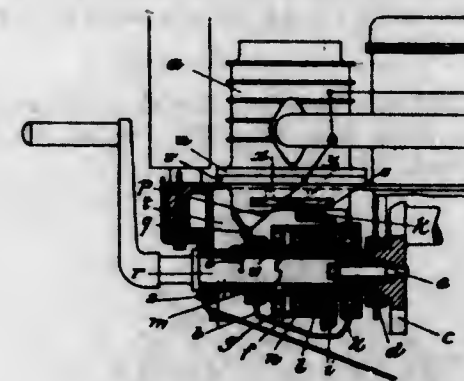
1,739,858. COIN-CONTROLLED ELECTRICAL APPARATUS. CHARLES H. PERKINS, Poughkeepsie, N. Y. Filed Dec. 1, 1928. Serial No. 323,048. 14 Claims. (Cl. 194-6.)



5. In combination, a rotary conveyor of general screw form, means for rotating said conveyor, a coin holder adjacent said conveyor and movable longitudinally with respect thereto, said holder being adapted to hold a coin in engagement with said screw conveyor to establish contact with said screw to move the coin and holder

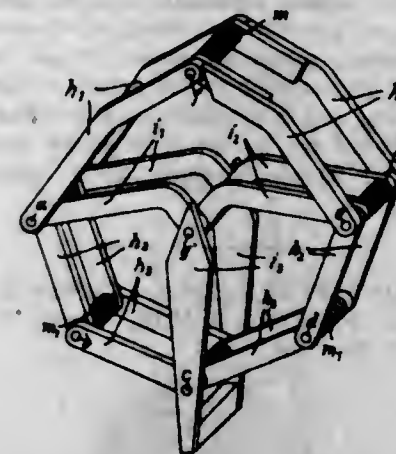
by the screw and to maintain and control an electric circuit until the coin and holder are moved by the screw beyond the free end thereof, said screw being adapted to permit release of the coin from contact therewith, and breaking of the circuit upon movement of the coin beyond the end of the screw.

1,739,859. BLOWER SET FOR COMBUSTION MACHINES. FERDINAND PORSCHE, Stuttgart-Unterturkheim, Germany, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Filed Jan. 14, 1925. Serial No. 2,456, and in Germany Aug. 20, 1924. 19 Claims. (Cl. 123-119.)



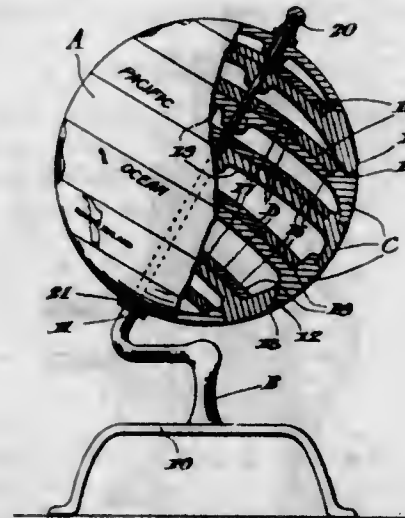
1. In an internal combustion engine, in combination, an engine crank shaft, a casing, blower mechanism therein, a second casing secured to the first casing, clutch mechanism in the second casing releasably connected to the blower mechanism, and a single coupling member forming the sole operative connection between the clutch mechanism and engine, and being detachably connected to the engine crank shaft connected to the clutch mechanism and detachably connected to the engine crank shaft whereby upon the disengagement of the single coupling member from the crank shaft the blower and clutch mechanisms in their united casings are removable as a unit.

1,739,860. FOLDING-FRAME AERIAL. PAUL RINKEL, Berlin-Charlottenburg, Germany. Filed Jan. 15, 1925. Serial No. 2,694, and in Germany Jan. 15, 1924. 5 Claims. (Cl. 250-33.)



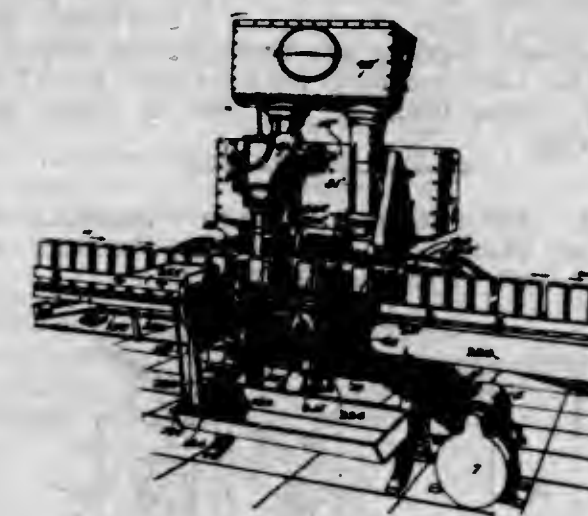
1. In a folding frame aerial, rigid links forming a polygonal frame for carrying the aerial wire, means pivotally connecting the ends of said links at the corners of the polygonal frame, several pairs of neighbouring links forming points directed into the interior of the polygonal area, when the frame is folded, radial bars pivotally connected with one of their ends to the corners formed by said pairs of links forming points not directed into the interior of the polygonal area, when the frame is folded, and means pivotally connecting the other ends of said radial bars.

1,739,861. GEOGRAPHICAL EDUCATOR. CHARLES BEN ROBERTS, Brooklyn, N. Y. Filed Sept. 6, 1927. Serial No. 217,833. 7 Claims. (Cl. 35-3.)



1. A geographical educator comprising a globe formed of a plurality of interlocking sections cooperating to form the periphery of the globe, each section having a concave face, and map sections comprising fixed and movable portions adapted to be set in said face.

1,739,862. AUTOMATIC FILLING AND WEIGHING MACHINE. GEORGE A. ROBINSON, Battle Creek, Mich., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich., a Partnership Association Limited. Filed Nov. 25, 1925. Serial No. 71,338. 55 Claims. (Cl. 249-59.)

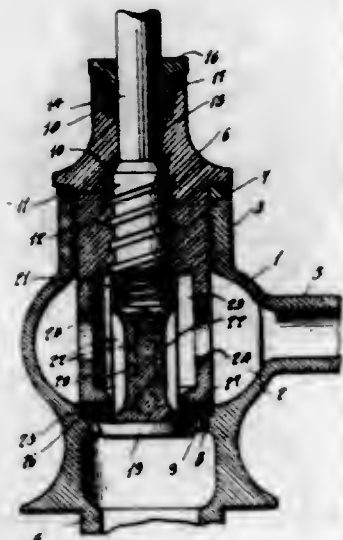


1. In combination, in a scale, a rough load hopper and a drip load hopper, a main power shaft, means controlling the rough load hopper driven from said main power shaft, a separate shaft on which said means are mounted, means controlling the drip load hopper driven from the main power shaft, a separate shaft on which said drip load hopper controlling means are mounted, and scale controlled means controlling the operation of the shafts driven from said main power shaft.

1,739,863. PRODUCTION OF ESTERS OF SACCHARIDES OF HIGHER UNSATURATED FATTY ACIDS. LEO ROSENTHAL and WOLFGANG LENHARD, Vohwinkel, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Filed Oct. 28, 1924. Serial No. 746,406, and in Germany Nov. 10, 1923. 5 Claims. (Cl. 260-101.)

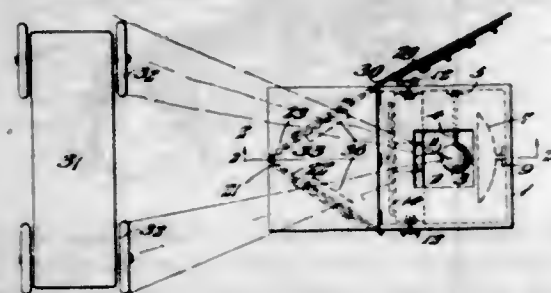
5. A product comprising an ester of linoic acid and a polysaccharide which product is soluble in hydrocarbons, turpentine and oils and capable of being transformed by heating and by atmospheric oxidation into an insoluble product.

1,739,864. FAUCET. CLARENCE E. SCHARDEIN, Louisville, Ky. Filed Aug. 9, 1928. Serial No. 298,548. 1 Claim. (Cl. 251-156.)



In a faucet, a body having a chamber, a nozzle communicating with said chamber, a neck portion also communicating with said chamber, said body having an inlet opening communicating with the chamber, an annular shoulder surrounding the wall of said opening, a valve plug engaging the interior of the neck portion and seating on said shoulder, said plug having a tubular bore there-through, the underside of said plug having an annular groove, a packing ring seated in said groove, the valve plug having an enlarged chamber communicating with said tubular bore and having openings in the walls of said chamber connecting said chamber with the chamber in the faucet body, the bore in the plug having a reduced upper portion, a valve stem mounted in said tubular bore and threadably engaging the larger portion thereof, a head on the lower portion of the valve stem, and an up-standing annular flange on said head to engage said packing ring.

1,739,865. ADVERTISING DEVICE. FREDERICK W. SCHMIDT, Philadelphia, Pa. Filed Feb. 6, 1925. Serial No. 7,297. 6 Claims. (Cl. 272-8.)

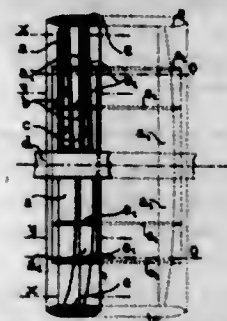


1. An advertising device to give the illusion of motion to stationary parts of a circular object comprising a casing having one side open, a source of light in said casing, a reflector in rear of said light, a motor mounted in said casing, a blade revolved by said motor in front of said light, and a frame movably carried by said casing to be angularly positioned in front of said open side, and having a light opening through which the light rays pass to the stationary parts of the object to give the illusion that such parts are in motion.

1,739,866. WIND AND WATER WHEEL. FRANZ SCHUB, Vienna, Austria. Filed Apr. 2, 1926. Serial No. 99,398, and in Austria Apr. 25, 1925. 9 Claims. (Cl. 170-79.)

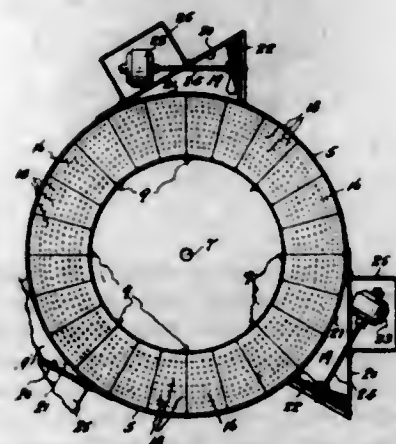
1. A fluid operated power wheel, comprising a shaft, a hub secured thereto, hollow stationary, rigid skeleton blades secured to the hub and having a solid mass at

their outer ends, the path of the centers of gravity of the above mentioned parts lying beyond the path of the center



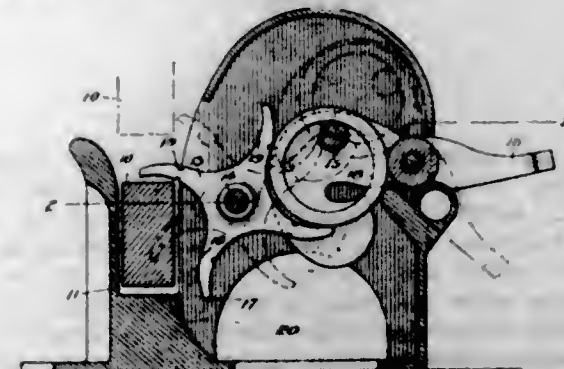
of form of the blades in said solid mass, and the weight of the whole rotating mass of the wheel, i. e. the shaft, hub and blades, being chosen for a definite fluid pressure.

1,739,867. COOLING TOWER. JAMES M. SEYMOUR, Newark, N. J. Filed Aug. 12, 1927. Serial No. 212,473. 2 Claims. (Cl. 261-113.)



2. A cooling tower, comprising a vertical substantially cylindrical tower housing, a concentric inner wall member of substantially reduced diameter within the upper end of said housing adapted to bound a central air discharge opening at said upper end of said housing, a perforate horizontal bottom partition fixed between said housing and said inner wall member to form with said parts a receiving trough at the upper end of said housing adapted to discharge liquid to be cooled for gravitation through the annular outer interior portions of said housing, means at the lower end of said housing to collect and discharge the gravitated liquid, a series of substantially horizontal annular perforate baffles vertically spaced and disposed across the path of gravitating liquid to reduce the fall thereof to successive relatively short stages, and means for tangentially delivering and rotating streams of air within said housing and intermediate said baffles in planes substantially parallel to the latter whereby movement of said air in contact with said gravitating liquid is unimpeded by said baffles.

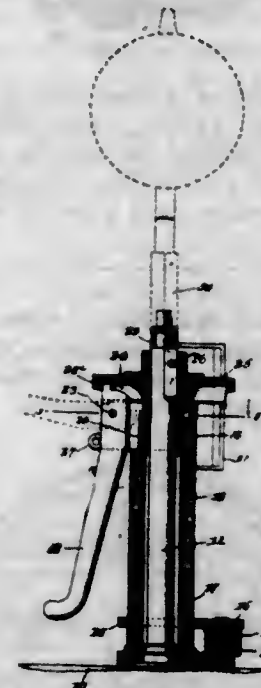
1,739,868. SWITCH-STAND LOCK. LARKIN R. SHAFFER, Garland, Utah. Filed Oct. 5, 1926. Serial No. 139,677. 3 Claims. (Cl. 70-128.)



1. In a switch stand lock, the combination of a casing, a switch lever, a pivoted latching arm having a weakened

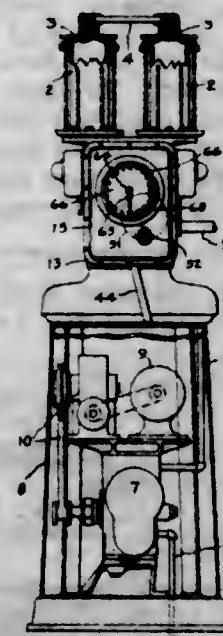
free end portion adapted to engage said switch lever, and means for releasably locking said latching arm in engagement with said lever.

1,739,869. SWITCH STAND. LARKIN R. SHAFFER, Garland, Utah. Filed Nov. 11, 1927. Serial No. 232,532. 9 Claims. (Cl. 246-413.)



1. In a switch stand, the combination of a base, a post mounted thereon, a rotatable sleeve surrounding said post and adapted to be connected to a switch point, a casing connected to said sleeve, a table, an operating lever pivoted in said casing and normally engaging said table to prevent rotation of the casing and sleeve, there being a recess in said sleeve into which a portion of said lever enters when moved to rotate said sleeve, and means for preventing said lever entering said recess when the sleeve is rotated by pressure on the switch point.

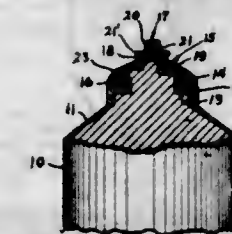
1,739,870. DISPENSING APPARATUS. PAUL S. SHIELD, Cincinnati, Ohio, assignor to Augustine Davis, Jr., Cincinnati, Ohio. Filed May 21, 1928. Serial No. 279,489. 19 Claims. (Cl. 221-101.)



5. In a measuring dispenser including a meter and a master element for rendering the dispenser inoperative when a predetermined amount has been delivered, a predeterminer controlling said master element, an indicator,

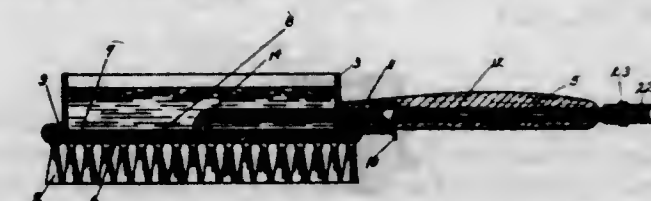
an operative connection between said predeterminer and said indicator enabling said predeterminer to be set by movement relative to said indicator, a helical spring for driving said predeterminer and said indicator, and a meter-operated escapement controlling said predeterminer and said indicator.

1,739,871. RECEPTACLE CLOSURE. ARTHUR E. SMITH, Los Angeles, Calif. Filed Nov. 15, 1926. Serial No. 148,351. 7 Claims. (Cl. 221-60.)



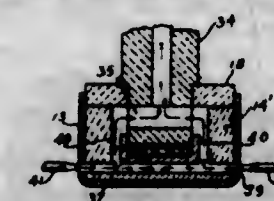
1. A collapsible tube having a flexible body and a relatively stiff end, said end having a cylindrical collar thereon, and a closure for said end, said closure having a normally elliptical base distorted to fit said collar.

1,739,872. FOUNTAIN BRUSH. MARK SOSS, Spokane, Wash. Filed Sept. 4, 1928. Serial No. 303,858. 1 Claim. (Cl. 15-129.)



The combination with a transversely slotted brush head, a liquid soap reservoir, and a longitudinally slotted slide plate having transverse ports for controlling feed of soap through the slotted brush head, of a handle to the brush, a water pipe extended through the handle, said water pipe projecting into the reservoir and having a bend through the longitudinally slotted slide plate and a port through the head, and a transversely arranged, normally closed, spring pressed valve in the water pipe of the handle.

1,739,873. APPARATUS FOR FEEDING MOLTEN GLASS. LEONARD D. SOUBIER, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 31, 1925. Serial No. 65,953. 8 Claims. (Cl. 49-55.)

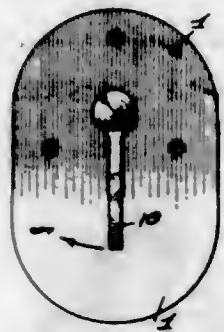


2. In a glass feeder, a receptacle containing molten glass, heat regulating means including a central depressed basin in the said receptacle, a reservoir chamber at one side thereof, a discharge chamber having a bottom outlet orifice, said central basin being between the said chambers and being provided with an encircling temperature regulating means, a flue disposed immediately over the said central basin and connected with said last mentioned means, and a damper for said flue and operative to regulate the amount of heating or cooling of said central basin and the glass flowing therethrough.

1,739,874. CIRCUIT BREAKER FOR IGNITION SYSTEMS. JOSEPH E. SWALINKAVICH, Jr., St. Cloud, Minn. Filed Oct. 31, 1927. Serial No. 230,098. 3 Claims. (Cl. 200-82.)

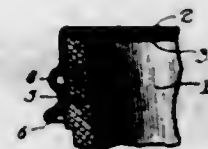
1. An engine ignition circuit control comprising a cylinder, a piston reciprocable in said cylinder, means for

connecting the cylinder at one side of the piston with the intake manifold, to permit the suction therefrom to create a vacuum in the cylinder, a pair of spaced contact elements and contact fingers carried by the piston for connecting



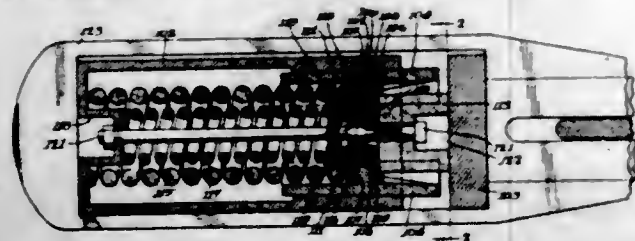
said elements when the piston is actuated through the suction created in said manifold, and means for manually rotating the contact fingers to disengage the same from the contact elements for the breaking of the circuit.

1,739,875. MACHINE FOR SEALING CAPS TO JARS. SWAN NILS TEVANDER, Maywood, Ill., assignor to Swan Metallic Seal & Cap Company, a Corporation of Illinois. Filed Mar. 17, 1923. Serial No. 625,882. 8 Claims. (Cl. 226-86.)



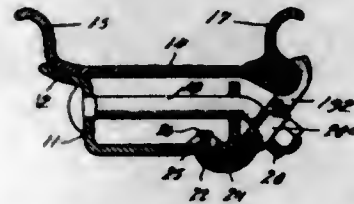
6. In a device of the class described, an arm adapted to be lowered and raised in relation to a vessel to be capped, capping mechanism, carried by said arm, a cam bearing against said arm at a point intermediate of its ends adapted to control the lowering and raising of the said arm, a lever hinged to the said arm and linked to the said cam whereby the swing of the lever simultaneously operates the raising and lowering of the said arm and the capping mechanism carried thereby.

1,739,876. DRAFT GEAR. HERBERT E. TUCKER, South Bend, Ind., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Original application filed July 9, 1927, Serial No. 204,618. Divided and this application filed July 13, 1928. Serial No. 292,469. 2 Claims. (Cl. 213-34.)



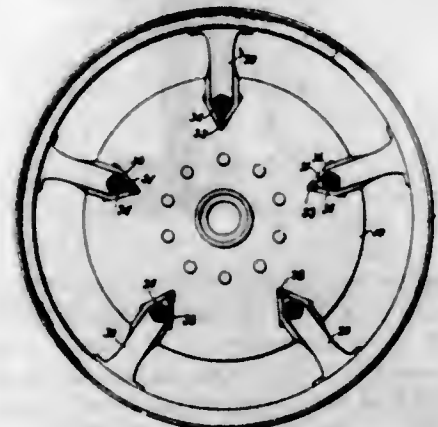
1. In a draft gear, in combination, a chambered follower, an opposed plate follower, shoes frictionally engaging surfaces within the chambered follower and having forwardly and inwardly inclined wedging faces, a pusher element seated on the plate follower and having forwardly facing shoulders normal to the axis of the gear and a forwardly projecting stem having flat walls parallel with the axis of the gear, wedge blocks seated on the shoulders and co-operating with the wedging faces of the shoes and also having inwardly and backwardly inclined faces, wedge blocks co-operating with the last named inclined faces and having flat fans reacting against the walls of the pusher stem, spring means resisting the inward movement of the shoes, and spring means resisting the inward movement of the last named wedge blocks.

1,739,877. DEMOUNTABLE RIM AND FASTENING MEANS FOR THE SAME. JAMES H. WAGENHORST, Jackson, Mich. Filed Oct. 13, 1924. Serial No. 743,280. 3 Claims. (Cl. 301-24.)



8. The combination of a fixed rim, a demountable rim mounted thereon and having a protuberance at the front side thereof, a bolt passing through the fixed rim, a clamp arranged on the bolt and having its outer end recessed to receive said protuberance, and a nut on said bolt engaging said clamp.

1,739,878. VEHICLE WHEEL. JAMES H. WAGENHORST, Jackson, Mich. Original application filed July 17, 1924, Serial No. 726,529. Divided and this application filed Apr. 2, 1927. Serial No. 180,478. 5 Claims. (Cl. 301-6.)

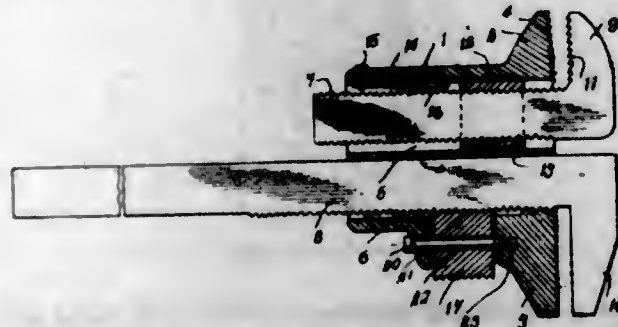


1. A wheel comprising the combination of a brakedrum having a plurality of spoke seats pressed in the side wall thereof, a tire-carrying rim, a plurality of spoke members rigidly secured to said rim, the inner ends of said spoke members seating on said spoke seats, and means detachably connecting said spoke members to said brakedrum.

1,739,879. DYEING MIXED TEXTILE GOODS MADE OF WOOL AND SILK FIBERS. HERMANN WAGNER, Soden-on-the-Taunus, and HEINZ EICHWEDE and EICH FISCHER, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 17, 1927, Serial No. 176,298, and in Germany Mar. 22, 1926. 11 Claims. (Cl. 8-5.)

1. The process which comprises dyeing mixed textile goods made of wool and silk fibers with a pyrazolone-azo dyestuff containing both in its diazo component and in its coupling component several ether groups.

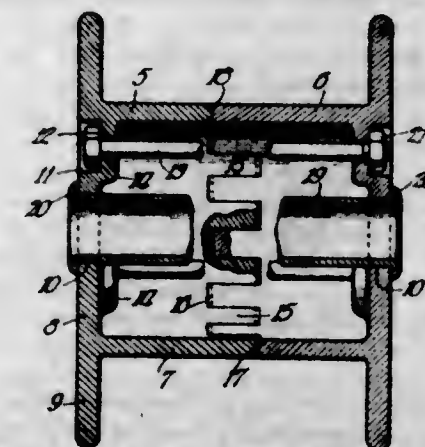
1,739,880. WRENCH. HERBERT WATTS, Tacoma, Wash. Filed Jan. 9, 1928. Serial No. 245,473. 2 Claims. (Cl. 81-174.)



1. A wrench comprising a body formed with longitudinally extending parallel bores spaced from each other and

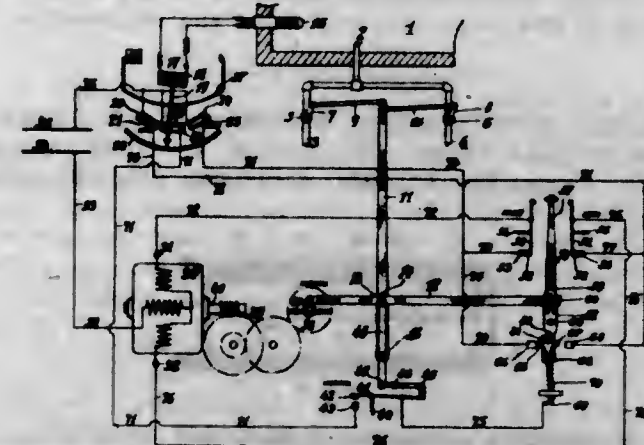
opening through the front and rear ends of the body, the body having opposed side openings communicating with one bore intermediate its ends, and an edge face of the body being formed with an opening communicating with the other bore intermediate its ends, the forward portion of said body having an arm extension constituting a stationary jaw, a movable jaw, a shank for said movable jaw slidably passed through one bore and formed with threads, a second shank passed through the other bore and having a threaded edge and adjusting nuts rotatably mounted in the openings of said body and having threads meshing with the threads of the respective shanks to adjust the shanks longitudinally when rotated, the second shank being relatively elongated and projecting through both ends of the body whereby it may constitute a lever and the opposed surfaces of the two shanks being parallel throughout their length, said movable jaw extending in a direction away from the second shank.

1,739,881. SPOOL. HUGO H. WARMINZ, Villa Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 13, 1925. Serial No. 49,894. 5 Claims. (Cl. 242-123.)



1. A spool comprising two tubular body members arranged end to end and each provided with a plurality of spaced axially extending tongues, the tongues of one portion being engaged with the tongues of the other portion and disposed in the spaces therebetween, and interlocking means on the ends of said tongues and the adjacent end portions of the body members for facilitating axial alignment of said members.

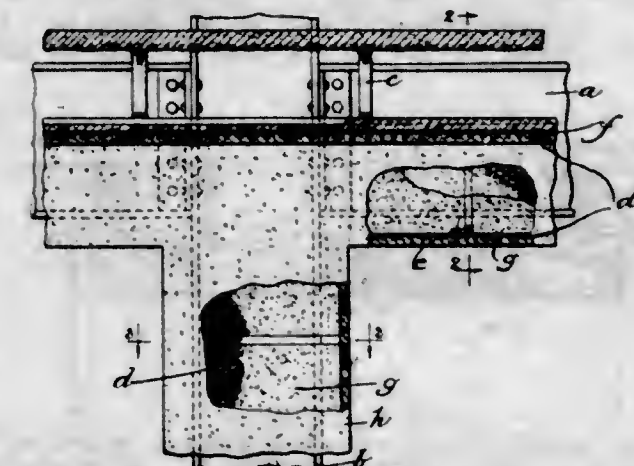
1,739,882. TEMPERATURE-CONTROL APPARATUS. CHRISTIAN WILHELM, Philadelphia, Pa. Filed Oct. 8, 1925. Serial No. 61,374. 6 Claims. (Cl. 236-70.)



1. A system for regulating the temperature in a furnace having a fuel supply controlled by a valve comprising a main electric circuit, a motor therein for operating the valve, means in said circuit for maintaining it normally open and for maintaining the valve in a predetermined position while the temperature within the furnace fluctuates

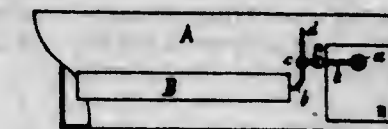
ates between predetermined normal limits, means in the circuit for closing operating circuits through the motor to operate the valve in response to temperature changes within the furnace, means for breaking the motor circuits when the valve operations have been completed and for closing other operating circuits through the motor to operate the valve back to said predetermined position and to open the said main circuit.

1,739,883. BUILDING CONSTRUCTION. WILLIAM H. WILSON and HARRY WESTBERG, Los Angeles, Calif., assignors of one-fourth to Robert P. Miller and three-fourths to said Wilson. Filed Nov. 9, 1927. Serial No. 232,121. 3 Claims. (Cl. 72-71.)



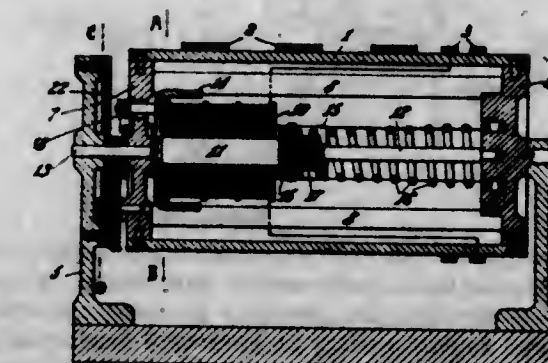
1. The method of fireproofing a building structure, which consists in providing a foraminous member, applying dry gypsum to said foraminous member at the zone of application, then wetting the gypsum to cause a hardening thereof.

1,739,884. SHIP'S PROPELLER. FRIEDRICH WISWEDEL, Schlagenthin, Germany. Filed Aug. 28, 1928. Serial No. 302,536. 3 Claims. (Cl. 115-15.)



1. A propelling mechanism for ships, consisting in the combination of propeller pipes open at the outer end mounted horizontally in the ship's hull underneath the water line, reservoirs containing gas or air under pressure, pipe conduits connecting said reservoirs to said propeller pipes, valves in said pipe conduits adapted to be reversed, electrically operated change-over switches for said valves, and releasing contacts at both ends of said propeller pipes for controlling said change-over switches.

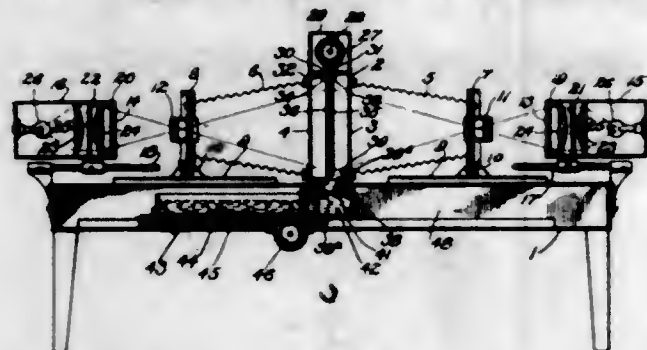
1,739,885. ALTERNATING-CURRENT DRIVING DEVICE. EMIL ZBINDEN, Solothurn, Switzerland. Filed June 18, 1925, Serial No. 37,930, and in Switzerland June 18, 1924. 3 Claims. (Cl. 172-120.)



3. An oscillatory synchronous motor, comprising end plates, a plurality of permanent magnets having their

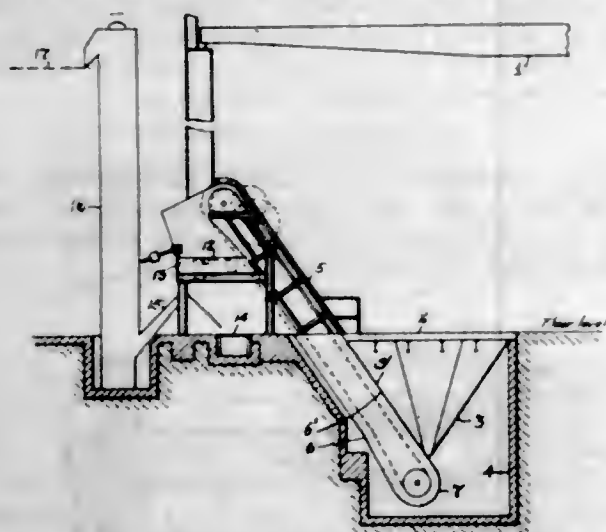
opposite ends bearing in said plates, a coil adapted to receive alternating electric current and supported adjacent one end plate in fixed relation to the permanent magnets, a core extending through said coil, pole wings carried by said coil, and a spring having one end acting against one of the pole wings and the other end engaging the end plate opposite that adjacent which the coil is supported, said spring and the oscillatory parts of the motor being tuned to such frequency that the natural frequency of the entire oscillatory system is somewhat less than the frequency of the alternating current reversing said coil.

1,739,886. REPRODUCING OR ENLARGING CAMERA. ARTHUR W. CAPS, Kansas City, Mo., assignor, by mesne assignments, to Photostat Corporation, Providence, R. I., a Corporation of Rhode Island. Filed May 18, 1923. Serial No. 639,872. 2 Claims. (Cl. 88-24.)



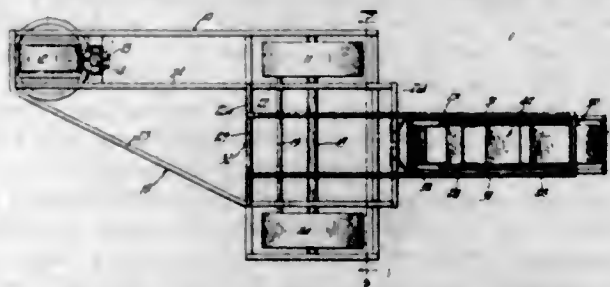
1. A reproducing or enlarging camera comprising a hollow table having a chamber extending longitudinally therein, a casing mounted on the top of the table and embodying means for feeding and supporting a sheet of photographic material sensitized on both sides, the sheet to occupy a plate transverse to the length of said chamber, negative supports mounted on the table at opposite sides of the casing, lenses located in alignment between the negative supports and the respective sides of the casing, the optical axes of said lenses being arranged longitudinally of said chamber, severing means arranged to operate on the portion of the sheet fed from the casing, and print developing and fixing means reciprocable longitudinally within the chamber in the table and arranged to receive exposed portions of the photographic sheet fed from the casing.

1,739,887. MECHANISM FOR HANDLING SAND IN FOUNDRIES. EDWIN S. CARMAN, East Cleveland, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 28, 1926. Serial No. 157,487. 5 Claims. (Cl. 198-207.)



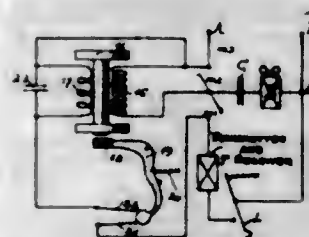
1. A housing for an endless conveyor comprising a casing, a rod mounted at one end of said casing, a curved closure plate for said end pivotally mounted on said rod, a rod secured to said casing, an apertured bracket slidable on said rod, a spring sleeved on said rod and bearing on said bracket, and a member secured to said bracket and having a lost-motion connection with an end of said plate.

1,739,888. DREDGER. ARY C. CLARK, Brawley, Calif. Filed Dec. 3, 1925. Serial No. 72,868. 13 Claims. (Cl. 37-94.)



9. A device of the character described, comprising, a vehicle, a digging wheel adapted to rotate in a vertical plane, a supporting frame for the digging wheel, a pivotal connection between the digging wheel frame and vehicle, and means to selectively effect lateral movement of the opposite end of the digging wheel frame, in opposite directions, relative to the vehicle.

1,739,889. TELEPHONE. JAMES TIBURCE FELIX CONTI, Paris, France, assignor to René Léon Jacques Laurent de la Ville Roulx, Paris, France. Filed July 18, 1927. Serial No. 206,611, and in France July 22, 1926. 3 Claims. (Cl. 179-181.)



1. In a telephone station, a telephone connected to the incoming line and including a hook to effect such connection, a signal circuit shunted across the line, said incoming line being disconnected on each side of the point of connection of the shunt signal circuit therewith, three connecting points determining such disconnections, an electro magnet having a fine wire winding and a coarse wire winding, the fine wire winding connected between the middle connection and the incoming line, a second normally open circuit connecting the telephone and incoming line and including the coarse wire winding, a condenser shunted across the coarse wire winding, a spring-retracted lever arranged to close the normally open circuit, means to retard the opening of the latter circuit during the change from signalling current to talking current, an armature for the magnet on the lever whereby the lever is actuated to close the normally open circuit, and means to connect at will said three connecting points to permit signals to be sent to line while short-circuiting the electro-magnet.

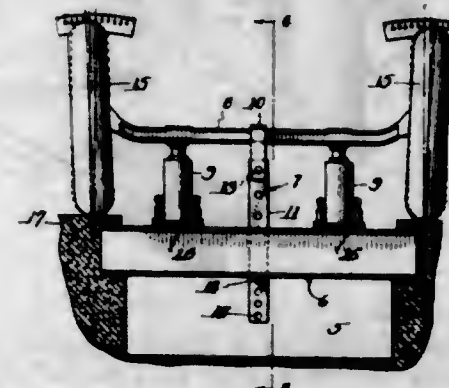
1,739,890. COMBINATION NOVELTY CASE. BENJAMIN BERNARD DEITEL, Brooklyn, N. Y. Filed June 8, 1929. Serial No. 369,393. 4 Claims. (Cl. 132-83.)



1. A container simulating a book and comprising an open frame constituting the walls thereof, the front and the two end walls representing the front and the end leaf edges of said book, a cover hinged to the back wall of said open frame constituting the top of said container, a cover hinged to said back wall constituting the bottom of said container, a facing extending over said top and bottom covers and over said back wall simulating the

binding of a book, separate channel members clamping said facing to said top and bottom covers, and a partition extending from wall to wall of said open frame forming with said walls and said top and bottom covers two distinct compartments of said container.

1,739,891. AXLE PRESS. WALTER W. DIMMICK, Racine, Wis., assignor to Ajax Rubber Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 31, 1928. Serial No. 329,404. 1 Claim. (Cl. 153-38.)



An apparatus for bending the front axle of an automobile without removing any parts of the automobile and comprising a transverse base stationarily mounted at its ends in side supports, the front axle of the automobile being aligned with said base, one or more anchors slidably adjustable lengthwise of the base and axle and detachably engaged with the axle, one or more power operated jacks slidably mounted on the base for adjustment to any position thereon to engage the axle, and detachable wedge shaped jack seats interposed between the jacks and the base for registering the jacks in the center plane of the axle.

1,739,892. METHOD OF AND APPARATUS FOR FORMING PRETZELS AND SIMILAR ARTICLES. IRWIN ELLIOTT, New York, N. Y., assignor to Universal Oven Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 24, 1928. Serial No. 264,359. 10 Claims. (Cl. 107-8.)



1. A device of the class described comprising a support composed of articulated members adapted to be coiled about each other and adapted to engage a strip of dough whereby when said articulated members are coiled upon themselves the strip of dough will be formed into convolutions, a shaft and a member carried thereby with which said articulated device is pivotally connected and around which said articulated device is adapted to be coiled.

1,739,893. HOLDDOWN APPARATUS FOR FREIGHT CARS AND THE LIKE. GEORGE C. FEDDERMAN, Detroit, Mich., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 8, 1929. Serial No. 345,467. 14 Claims. (Cl. 105-368.)

2. In apparatus of the class described, a floor plate, perforated for detachably receiving vehicle holding means, a bottom plate beneath, inclined downwardly and spaced

apart from the floor plate, and means for attaching the plates to a car floor, the said bottom plate automatically discharging material passing through the perforated floor

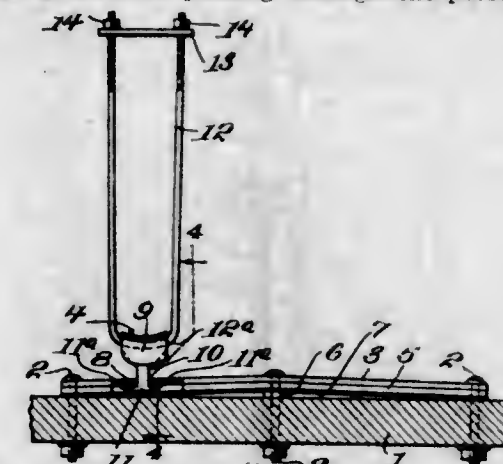
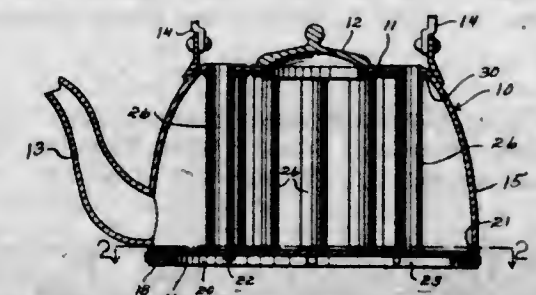


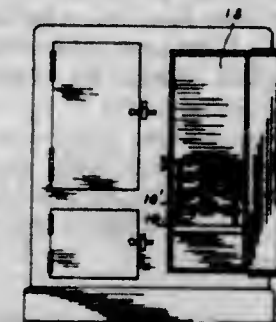
plate to a position to leave the perforation in the floor plate clear for the insertion of the vehicle holding means, substantially as described.

1,739,894. TEAKETTLE. PETER H. FERRIER, Jr., Brookfield, Ill. Filed Oct. 25, 1928. Serial No. 315,071. 11 Claims. (Cl. 53-9.)



7. In a tea kettle construction, a hollow body portion being open at its lower end and including an annular side wall and a flat top wall provided with a filler opening, said top wall about the filler opening having an annular series of openings, a closure for the filler opening, a disc fitting in the lower portion of the annular side wall and having a downturned peripheral flange, a packing gasket between the flange and annular side wall, means for attaching the disc to the side wall, said disc having an annular series of openings arranged co-axial with the annular series of openings in the top wall, a heating tube secured at its lower ends to the disc at each of the openings therein, said tubes at their upper ends extending through the openings in the top wall, and means sealing the upper ends of the tubes to the top wall.

1,739,895. COOLING RACK. HARLEY M. GAMBLE, Wabash, Ind. Filed Apr. 1, 1929. Serial No. 351,673. 2 Claims. (Cl. 211-74.)



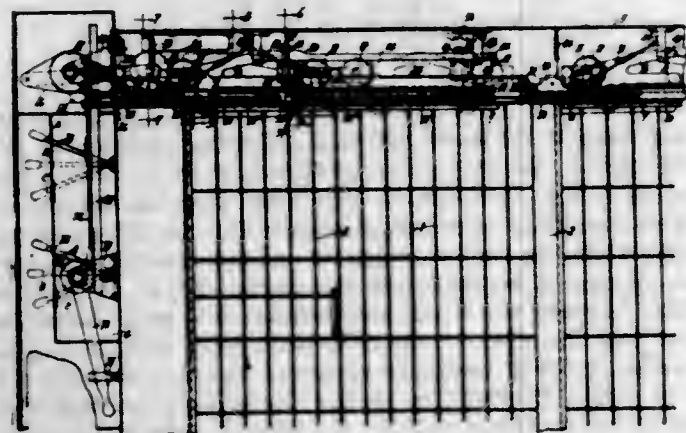
1. A cooling plate having a plurality of receptacle receiving holes therethrough and depressions from the upper surface spaced therearound near the outer edges, a post under each of said depressions, a neck projecting from each post through said plate into the respective depression, and a head peened over from the top of said neck within said depression and having its upper surface below the level of the top surface of said plate.

1,739,896. WINDSHIELD CLEANER. MAX GARRELL, Chicago, Ill. Filed Nov. 5, 1928. Serial No. 317,252. 7 Claims. (Cl. 15-254.)



1. A windshield cleaner, including a swinging member mounted on a rocking shaft, an elongated wiping element carried by said swinging member to contact the glass along a longitudinal side of the wiping element, and means for causing said wiping element to turn on its longitudinal axis whereby the side thereof adjacent to and in contact with the glass moves forward by axial motion while the wiper is being moved bodily forward.

1,739,897. JAIL-DOOR-LOCKING MECHANISM. HARRY D. GARDNER, Cleveland, Ohio. Filed June 20, 1927. Serial No. 200,987. 21 Claims. (Cl. 189-7.)



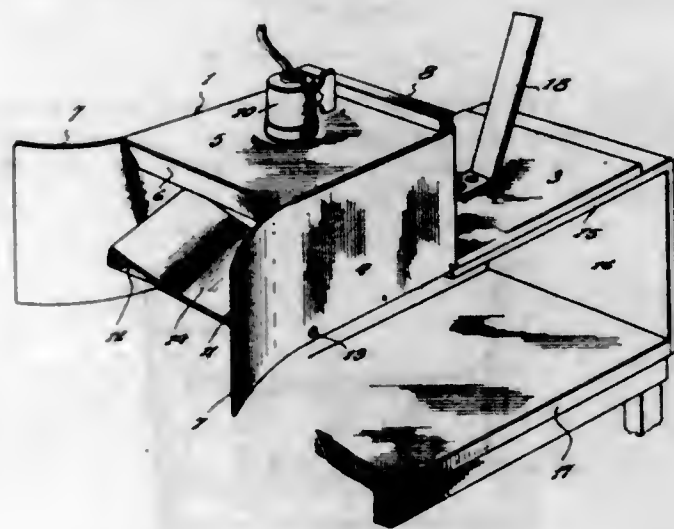
1. In a jail cell door operating mechanism, a lock for holding the door in closed position, means for securing the door in open position, and a single mechanism for opening the lock to release the door and for actuating the mechanism for securing the door in open position.

1,739,898. PROCESS OF TREATING OIL. EARLE W. GARD, Long Beach, and BLAIR G. ALDRIDGE, Los Angeles County, and HUGH J. MULLER, Huntington Park, Calif. Filed Nov. 16, 1926. Serial No. 148,730. 7 Claims. (Cl. 196-40.)



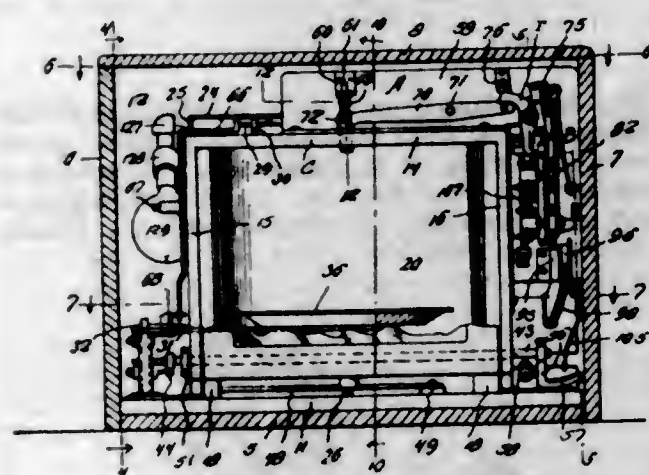
1. A process of separating acid reaction products from an oil which has been treated with sulfuric acid, comprising passing an acid treated oil containing sulfo-acids in the form of peppery sludge, through a series of foraminous blocks containing capillary passages, to agglomerate the sulfo-acids contained in said oil, causing said agglomerated sulfo-acids to separate from the oil in stages, and removing the separated sulfo-acids from the oil continually as separated.

1,739,899. EGG TESTER. ERWIN R. GEORGE, Central City, Iowa. Filed May 2, 1928. Serial No. 274,500. 1 Claim. (Cl. 99-6.)



An egg tester comprising a casing including sides and a top, a bottom for the casing, an illuminating element in the casing, one end of the casing being open, an egg supporting shelf including end plates pivotally connected between the sides of the casing and bottom, and means for holding the shelf in various positions of adjustment.

1,739,900. AUTOMATIC SERVING DEVICE FOR RESTAURANTS. GANDOLFO GIAMBRA, Paterson, N. J. Filed Jan. 16, 1926. Serial No. 81,860. 10 Claims. (Cl. 232-1.)

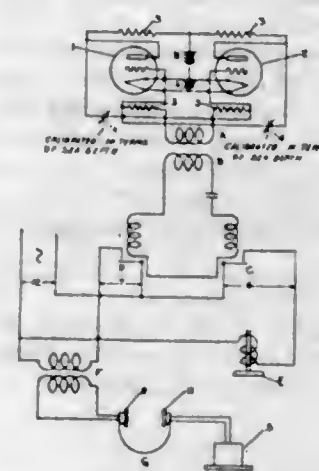


8. In a dispensing apparatus, the combination of a case open at front and back, a door for the front opening pivoted on a horizontal axis at its lower edge in the case, a carrier supported in and by the case and movable therein from a position within the same to a position over the door when the latter is open, and means, connecting the door and carrier, to cause the carrier to move from the first to the second position when the door is opened and vice versa when the door is closed.

1,739,901. APPARATUS FOR MEASURING DISTANCE. WILLIAM F. GRIMES, Pasadena, Calif. Filed Jan. 7, 1925. Serial No. 1,124. 8 Claims. (Cl. 177-336.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)

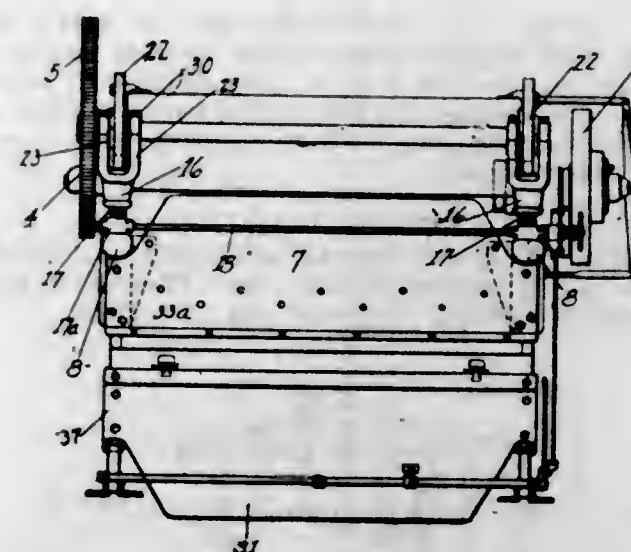
6. A distance measuring device including a sonic transmitter, a source of power therefor, a sonic receiver, a double receiver head telephone, a source of alternating current, electrical means associated with said alternating current for connecting said sonic transmitter to said source of power during predetermined intervals dependent

upon the frequency of said alternating current, separate electrical means for connecting one receiver of said head



telephone to said source of power during other predetermined intervals, and means for connecting the other receiver of said head telephone to the sonic receiver.

1,739,902. PRESS BRAKE. ROBERT T. HAZELTON, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 23, 1926. Serial No. 143,759. 17 Claims. (Cl. 153-21.)



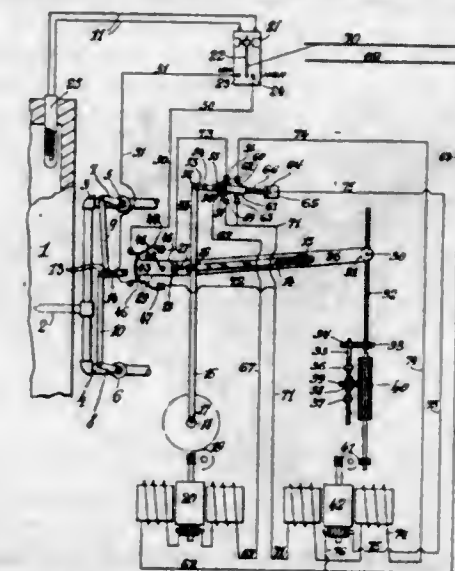
1. In a press brake the combination of housing means, a bed supported with relation thereto, and a ram supported thereon and movable with relation thereto, and means for applying pressure to the ram comprising an element moving in the vertical plane of the housing means, and having a bifurcated end to which force is applied and straddling said housing means, and means for applying said force, the same being mounted in the housing.

1,739,903. AUTOMATIC TEMPERATURE-CONTROL APPARATUS. GUSTAV H. JOHANSON, Philadelphia, Pa. Filed Aug. 25, 1925. Serial No. 52,449. 18 Claims. (Cl. 236-76.)

1. In combination, a furnace, valves for controlling the fuel supply thereto, an electric circuit including a device responsive to temperature changes in said furnace, a first motor in said circuit, electrical connections included in said circuit for actuating said motor to operate the said valves when the temperature in the furnace varies from a predetermined constant, a second motor in said circuit, a switch operated by said first motor to exclude the latter from the circuit when said valves have been operated and

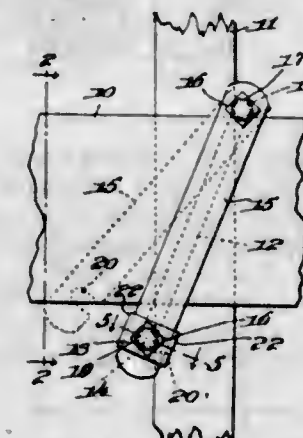
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to include the said second motor in said circuit, and means between the second motor and the valves for



operating the latter still further after a predetermined variable time interval in the event of insufficient operation of the valves by said first motor.

1,739,904. LEDGER-BOARD CLAMP. THOMAS H. KINGSTON, West Somerville, Mass., assignor, by mesne assignments, to Frank G. Kingston, Somerville, A. Roy Kingston, Arlington, Charles C. Pimm, Somerville, and Mabel G. Kitchen, Somerville, Mass., a Partnership doing business as Builders' Patent Scaffolding Company. Filed Jan. 26, 1927. Serial No. 163,787. 1 Claim. (Cl. 304-40.)

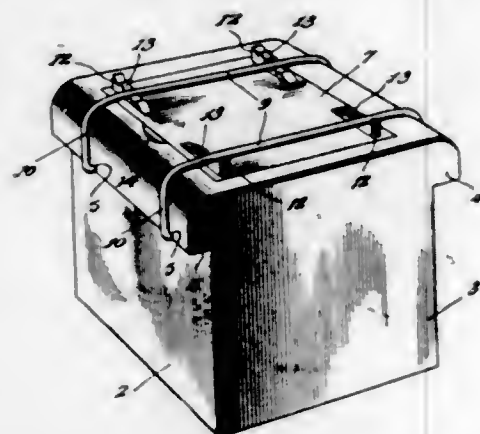


A ledger board clamp consisting of a rod round in cross-section throughout its length and of substantially uniform diameter and which is U-shaped providing parallel limbs the extremity of each limb being threaded, a straight bar pivoted at one end to one limb and free to slide along such limb and having at its other end a notch extending crosswise and reaching to one edge of the bar and situated to move over or from the other limb when the bar is swung on its pivotal connection, a nut on the threaded part of each limb and a plate between the nut on the limb with which said notch cooperates having a lateral projection situated to cover the open end of the slot and each of said limbs having its end enlarged to prevent the nut on the limb passing off the limb.

1,739,905. PRESERVING JAR. EMMA P. KIRKEVOLD, Brookings County, S. Dak. Filed Feb. 20, 1929. Serial No. 341,483. 2 Claims. (Cl. 215-91.)

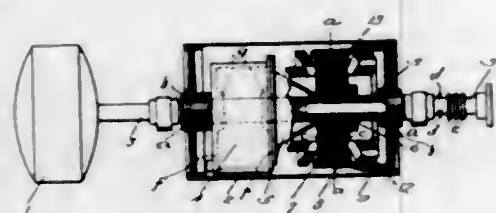
1. A preserving jar comprising a body open at its top and having an internal ledge adjacent its top, the body having opposed walls formed with outwardly extending shoulders across their upper ends and other walls having their outer surfaces flat and unobstructed throughout their entire areas, said shoulders having their under surfaces formed with seats spaced from their ends, a lid fitting

into said body and supported by said ledge and having a flat upper surface, resilient yokes extending across the lid and shoulders and having depending arms terminating



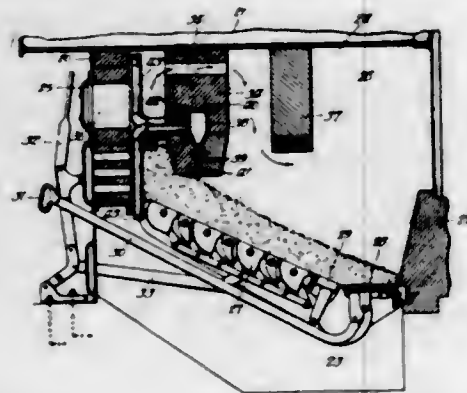
in fingers extending under the shoulders and engaged in said seats, and wedges forced between the yokes and lid to press the lid downwardly and tightly close the body.

1,739,906. MOTION-CONTROLLING DEVICE. ERIC WILHELM ROBERT KLENOW, Frederiksberg, near Copenhagen, Denmark. Filed Nov. 20, 1926, Serial No. 149,660, and in Denmark Nov. 23, 1925. 4 Claims. (Cl. 188-104.)



1. The combination, with a rotary shaft, and a housing secured to said shaft to rotate therewith, of a member within the housing freely supported on the shaft; an armature disposed in said housing coaxially with said member and rigidly connected with that member; and means for setting up a magnetic field rotating in space in a direction opposite to that of the housing to act on said armature and thereby check the rotation of said member.

1,739,907. FURNACE. GEORGE A. KOHOUT, Chicago, Ill. Filed Aug. 22, 1925. Serial No. 51,835. 3 Claims. (Cl. 110-93.)



1. In a furnace, a front wall, an arch spaced from said front wall to provide a hopper therebetween, a stoker having a portion extending forwardly beneath said arch to form the bottom of said hopper, said arch having a duct therein leading from the hopper into the space rearwardly of said arch, means for conducting cooling gas into the interior of said arch and means for conducting gas from the interior of said arch into said hopper.

1,739,908. PRODUCTION OF ANILINE BLACK ON TEXTILE FIBERS. LOUIS AMÉDÉE and RONALD WATSON, Manchester, England. Filed July 18, 1927, Serial No. 206,789, and in Great Britain July 20, 1926. 2 Claims. (Cl. 8-5.)

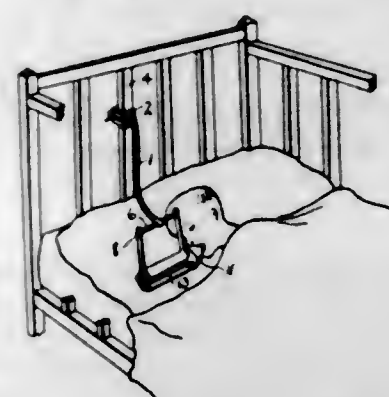
1. A process for the production of aniline black on textile fibers in which the latter after being treated with the usual mixture containing mainly aniline salt, alkali metal chlorate and alkali metal ferrocyanide and dried in the usual manner, are subjected for a short period to a temperature of from 110 to 180° C. in the absence of steam and then to a steaming operation, as set forth.

1,739,909. HOLDER FOR NURSING BOTTLES AND THE LIKE. GERALD R. LIVERGOOD, Houston, Tex. Filed Feb. 8, 1927. Serial No. 166,658. 1 Claim. (Cl. 248-65.)



In a device of the character described, an open ended flexible bottle engaging sleeve having openings therein on one side adjacent its ends, a strap adapted to extend through said openings and longitudinally about a bottle, an adjustable support, and means to secure the ends of said strap to said support.

1,739,910. COMBINED NIPPLE AND BOTTLE HOLDER. GERALD R. LIVERGOOD, Houston, Tex. Filed May 6, 1927. Serial No. 189,285. 3 Claims. (Cl. 128-252.)

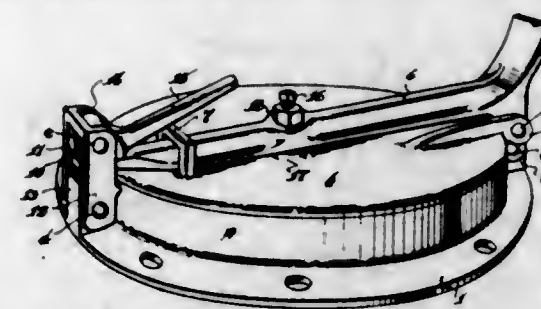


1. A device of the character described, including a nipple, a reinforcing shoulder and a plurality of straps formed integral with said nipple and adapted to retain a bottle in said nipple, button holes formed in some of said straps.

1,739,911. THIEF-HOLE COVER. WILLIAM G. McMURRAY, Wichita Falls, Tex., assignor to M & V Tank Company, Wichita Falls, Tex. Filed July 3, 1928. Serial No. 290,280. 1 Claim. (Cl. 220-55.)

In a cover of the type set forth, a collar having a horizontal base flange, an ear projecting upwardly from said flange, a keeper having a bifurcated lower end straddling said ear, and pivoted thereto, said keeper having its said lower end formed to engage said collar so as to restrict outward pivotal movement thereof, a cover member, an

arm overlying said member and having one end thereof free, said keeper having an opening to receive said free end of the arm, the rear of the upper end and the rear side of the keeper being cut away, a cam engageable with said free end of the arm and pivoted in said cutaway part of the keeper and engageable with the front of said upper



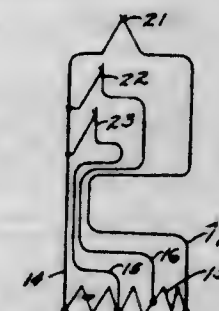
end of the keeper to restrict outward movement thereof, a pair of spaced ears carried by the cover and receiving the opposite end of said arm therebetween, a pin pivotally connecting said opposite end of the arm to the ears, an ear on the collar flange, and a bifurcated part on said opposite end of the arm receiving said last named ear therein and pivoted thereto.

1,739,912. SEMISOFT COLLAR AND FABRIC THEREFOR. JOHN V. MOORE, Pawtucket, R. I., assignor to Moore Fabric Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Feb. 23, 1928. Serial No. 256,098. 7 Claims. (Cl. 139-385.5.)



1. A semi-soft collar having band, flap, and fold line portions, said band and flap portions being woven to present slightly conical and similarly disposed surfaces when the collar is folded.

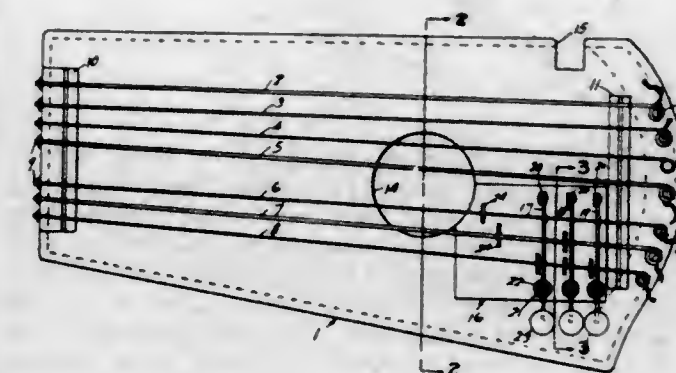
1,739,913. TESTING DEVICE. JOSEPH H. PENOILLY and VERNON BROWN, Los Angeles, Calif., assignors to Diamond Electrical Manufacturing Company, Inc., Los Angeles, Calif., a Corporation of Delaware. Original application filed May 14, 1923, Serial No. 638,825. Divided and this application filed Jan. 17, 1928. Serial No. 247,281. 6 Claims. (Cl. 175-83.)



1. In combination: a transformer secondary winding; a plurality of pairs of contacts, the contacts of each

pair being normally in engagement with each other; means for connecting said pairs of contacts with said transformer secondary winding so that each pair of contacts bridge a different amount thereof; a meter; an active member operatively connected to said meter; and an inactive member supported adjacent to said active member, said active and inactive members being arranged to separate said pairs of contacts, the pair of contacts engaged by said active member being separated first.

1,739,914. MUSICAL INSTRUMENT. FRED C. PESLIN, Oakland, Calif. Filed Feb. 16, 1927. Serial No. 168,696. 2 Claims. (Cl. 84-170.)



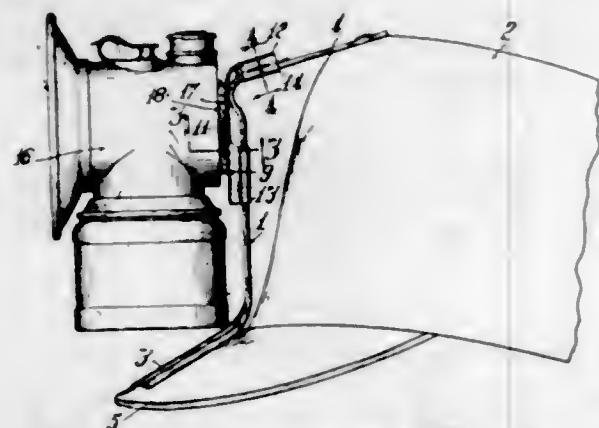
2. A musical instrument comprising a box, strings stretched across the outside of the box, means for tuning the strings, frets disposed beneath certain of said strings and being placed in a predetermined position, and manually controlled string-depressing means for forcing the last named strings down upon the frets for permitting different chords to be sounded.

1,739,915. ADVERTISING DEVICE. EDWARD H. SANDERS, San Francisco, Calif., assignor to Shell Company of California, San Francisco, Calif., a Corporation of California. Filed Jan. 10, 1928. Serial No. 245,663. 4 Claims. (Cl. 116-173.)



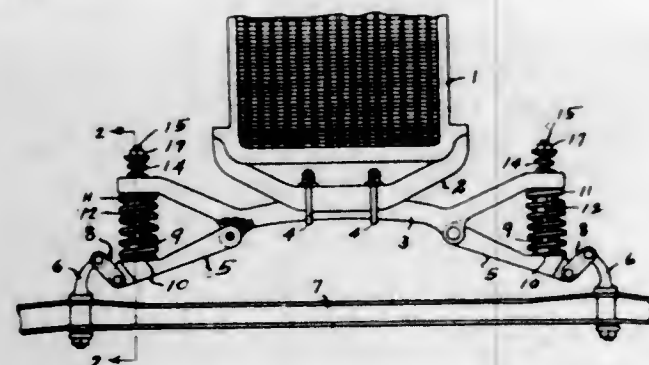
4. An advertising device comprising a wire, a loop adjacent one end thereof, a closure articulately secured to said wire, a bend in said wire adjacent said loop, the other end of said wire projecting materially from said loop, and an advertising banner directly mounted on said projection.

1,739,916. LAMP-ATTACHING DEVICE FOR MINERS' CAPS. WALTHER RASTOR, Chicago, Ill., assignor to Just-rite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1927. Serial No. 239,406. 3 Claims. (Cl. 240-60.)



1. Means for detachably associating a lamp with a miner's cap equipped with a conventional lamp supporting device, comprising a sheet-metal member equipped along its side edges with integral bendable tongues having their terminal portions folded over the side edges of said device, there being interengaging formations on the latter and said sheet-metal member other than said tongues for co-action with the latter to hold said sheet-metal member against movement relatively to said supporting device in any direction, a lamp, and interengaging devices on said lamp and said sheet-metal member for detachably associating the latter with said lamp.

1,739,917. COMBINATION VEHICLE SPRING AND SNUBBER. SAMUEL B. RAYZOR, Houston, Tex. Filed Aug. 24, 1926. Serial No. 131,154. 1 Claim. (Cl. 267-20.)

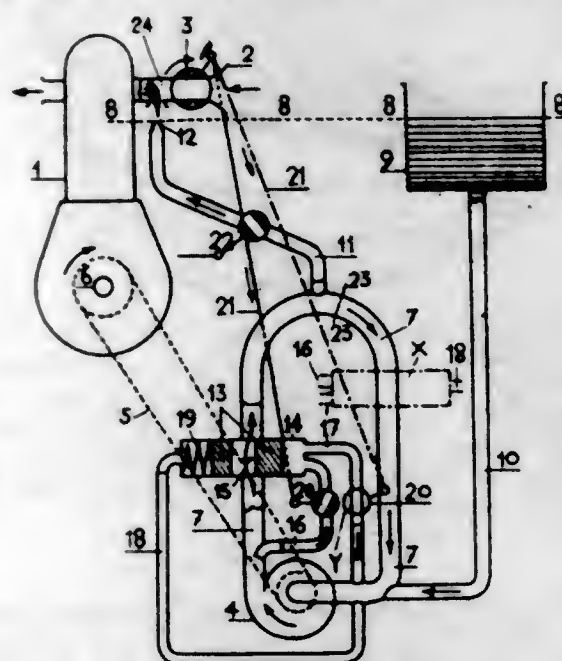


A device of the character described including a supporting cross bar whose ends diverge from the longitudinal axis of the bar and are free, bosses having deep sockets, one depending from each free end of said bar, rigid links pivoted at their inner ends, one on each side of the center of said bar and whose outer ends are disposed underneath said respective bosses, each link and the corresponding end of said bar, diverging, at substantially equal angles, from said axis, coil springs seated on the outer ends of said links and on which the outer ends of the cross bar are seated, said bosses being surrounded by the corresponding springs, a rod fixed to the outer end of each link and extending up through the corresponding springs and bosses, an abutment carried by the upper end of each rod, springs seated in said sockets whose upper ends abut against said respective abutments.

1,739,918. METHOD AND APPARATUS FOR FEEDING LIQUID FUEL TO INTERNAL-COMBUSTION ENGINES. MARCEL JOSEPH ACHILLE REBILLET, Lyon, France. Filed Aug. 15, 1927. Serial No. 213,080. and in France Sept. 11, 1926. 4 Claims. (Cl. 123-139.)

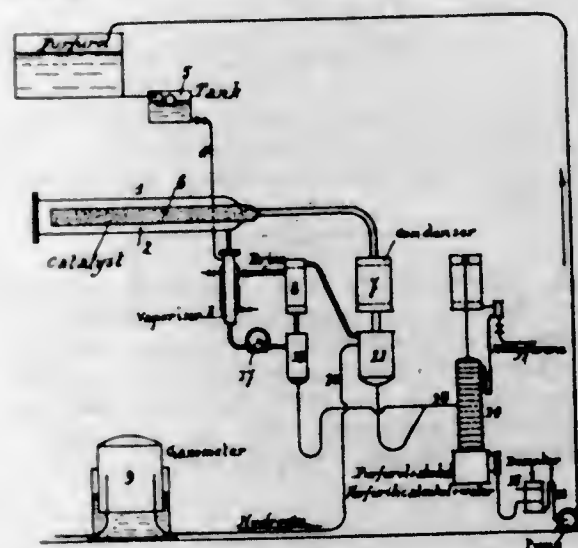
1. Apparatus for supplying liquid fuel to internal combustion engines comprising a centrifugal pump, a pipe

forming an endless conduit with said pump, means actuated by the engine for driving said centrifugal pump, a branch pipe connected to said conduit, a nozzle at the free end of said branch pipe adapted to feed a jet of liquid fuel into the admission conduit of the engine, means for maintaining said endless conduit and said branch pipe filled with liquid fuel, means governing in said endless conduit



the flow of liquid fuel produced by said centrifugal pump, a throttle valve on said engine admission conduit, a valve operating to regulate said governing means, and a connection between said valves whereby said governing means adjusts the rate of supply of the liquid fuel to said nozzle in accordance with the varying positions of said throttle valve.

1,739,919. PROCESS FOR THE MANUFACTURE OF FURFURYL ALCOHOL AND METHYLFURANE. ELOI RICARD and HENRI MARTIN GUINOT, Melle, France, assignors to Societe Anonyme des Distilleries des Deux-Sevres, Melle (Deux Sevres), France. Filed Dec. 29, 1927. Serial No. 243,376. and in France Jan. 31, 1927. 10 Claims. (Cl. 260-54.)

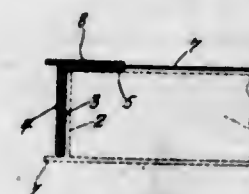


1. Process for the manufacture of products of the hydrogenation of furfural, which consists in mixing the vapor of furfural with a great excess of hydrogen, and in circulating the mixture upon copper acting as a catalyst.

1,739,920. BOX. FRANK J. SCHLEICHER, St. Louis, Mo. Filed Dec. 24, 1927. Serial No. 242,308. 5 Claims. (Cl. 206-44.)

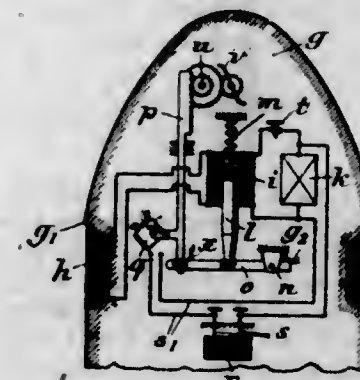
5. A box lid comprising an open frame, a transparent panel of less length and less width than said frame and

having its marginal portion seated against the under side of said frame and its edges spaced inwardly from the edges of said frame, means between said frame and said marginal portion of said panel rigidly securing said panel and said frame together, and a wall arranged for tele-



scoping connection with the wall of a box and having its upper end rigid with said frame and spaced inwardly a distance from the edges of said frame leaving marginal portions of said frame projecting outwardly beyond the outer sides of said wall.

1,739,921. OPERATING ELECTRIC PROJECTILE FUSES. HERMANN SCHULER and ANTON GIETMANN, Unterluss, Germany, assignors to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed Aug. 1, 1927. Serial No. 209,847, and in Germany Sept. 1, 1926. 8 Claims. (Cl. 102-38.)



1. The method of supplying electric energy to electric projectile fuses carrying with them in an electric storage device a portion of the electric energy required for igniting the primer, consisting in transmitting to the electric igniting device of the projectile the remainder of electric energy required for provoking said action, from a source of current separate from the projectile and after the projectile has been fired.

1,739,922. TUBE CLOSURE. ARTHUR E. SMITH, Los Angeles, Calif. Filed Mar. 18, 1927. Serial No. 176,361. 9 Claims. (Cl. 221-60.)

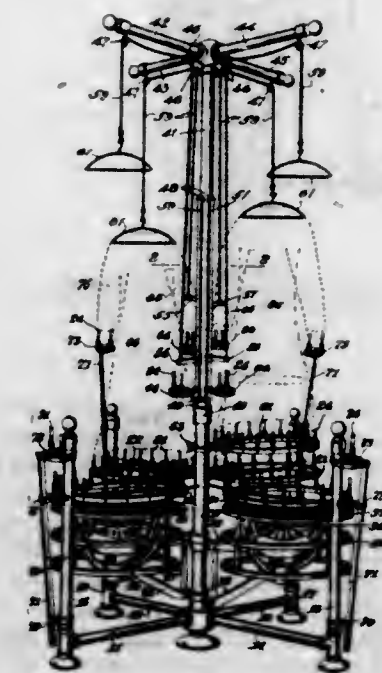


1. The combination of a collapsible tube including a body and an end portion, said end portion having an inwardly directed flange thereon and a closure, said closure having a portion engaging the inner surface of said end portion and having portions simultaneously engaging the top and bottom surfaces of said flange.

1,739,923. GARMENT DRIER. JAMES D. SMITH, Charlotte, N. C. Filed Apr. 19, 1928. Serial No. 271,278. 7 Claims. (Cl. 34-26.)

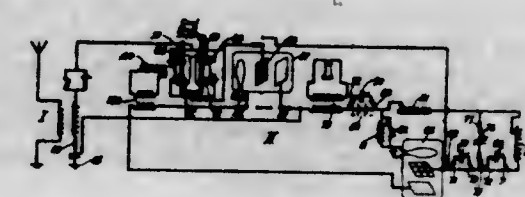
1. In a garment drying device for use in cleaning establishments, the combination of a base portion having an extended upright central portion, a plurality of rela-

tively shorter upright portions, a motor driven fan pivotally mounted on the upright central portion, a plurality of circular members secured above the fan and being held in position by the upright central portion and the shorter upright portions, means on the circular members for holding the lower portion of a garment, outwardly projecting members secured to the upper end of the upright central



portion, pulleys secured on the outwardly projecting members, a cord adapted to be passed thru the pulleys and to have secured to the outer lower end thereof, a garment supporting member, a plurality of vertically adjustable members slidably mounted on the central upright portion, and means for holding the sleeves of the garment in proper position.

1,739,924. CONTROL OF ELECTRICAL ENERGY. CLARENCE A. SPRAGUE, East Orange, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Original application filed Apr. 1, 1918, Serial No. 226,127, Patent No. 1,595,429, dated Aug. 10, 1926. Divided and application filed May 15, 1926, Serial No. 109,330. Again divided and this application filed July 21, 1927. Serial No. 207,518. 24 Claims. (Cl. 250-27.)

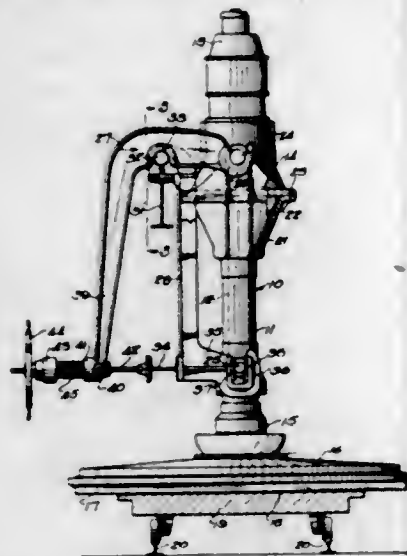


7. A detector for high frequency signaling currents comprising a pair of electron discharge devices oppositely connected in a circuit upon which received signaling currents may be impressed, and means for producing a magnetic field for periodically varying the current flow through said devices.

1,739,925. SHEET-GLASS-SURFACING APPARATUS. ERIC G. STAHL, Pittsburgh, Pa., assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 25, 1926. Serial No. 143,902. 7 Claims. (Cl. 51-109.)

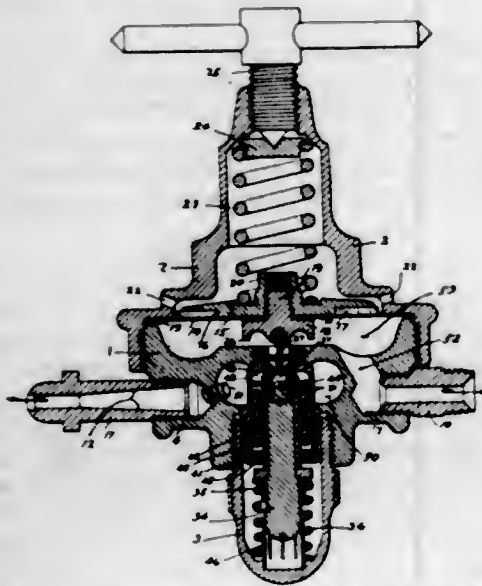
1. In glass surfacing apparatus, a substantially vertically arranged surfacing unit, means associated with the unit adjacent the upper end thereof for raising and lowering the same vertically through an arc, and rigid means

engaging the unit adjacent the lower end thereof for guiding the said lower end in order to retain said unit



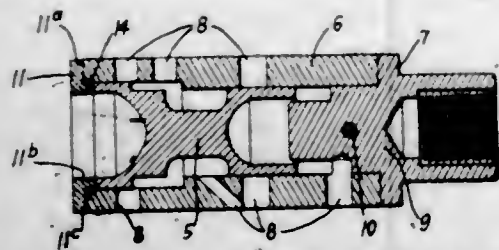
In a vertical position during the raising and lowering operation by guiding the lower end of said unit in an arc equal to the arc in which the upper end is raised.

1,739,926. FLUID-PRESSURE REGULATOR. LUDWIG W. STETTNER, Oakland, Calif., assignor, by mesne assignments, to Victor Welding Equipment Co., a Corporation of Delaware. Filed Aug. 27, 1927. Serial No. 215,930. 4 Claims. (Cl. 50-23.)



1. In a fluid pressure regulator structure, a chambered body having high and low pressure passages, diaphragm controlled valve means within the body for controlling the pressure from the high to the low pressure passage, the high pressure passage including an annular chamber around said valve means and an inlet port entering the wall of said chamber tangentially.

1,739,927. VALVE BLOCK FOR FLUID-PRESSURE TOOLS. EDWARD W. STEVENS, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed July 17, 1925. Serial No. 44,166. 5 Claims. (Cl. 121-13.)



1. In a fluid pressure tool, in combination, a valve case having an open end, a valve therein, and a lid for the

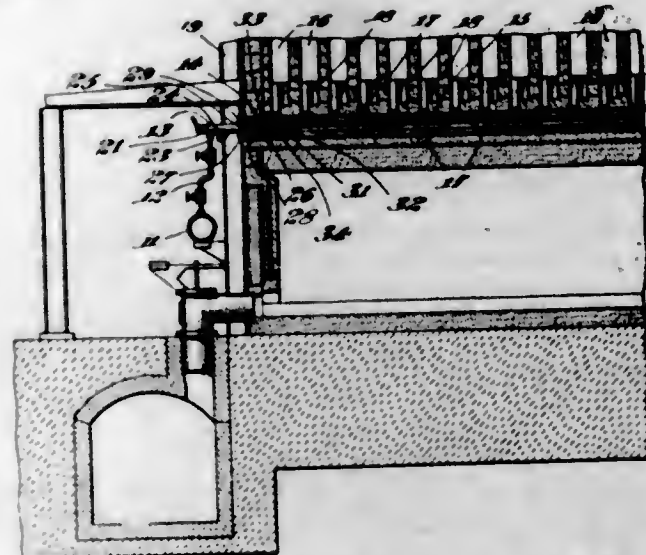
open end of said case in the form of a split ring having a portion telescoping within said case, said case having a recess, and a projection on the telescoping portion of said lid arranged to snap into said recess to retain the lid on said case.

1,739,928. CORE DRILL. BURCHARD D. THOMPSON, Bradford, Pa. Filed Nov. 17, 1928. Serial No. 320,182. 1 Claim. (Cl. 255-72.)



In combination a tube having teeth at its lower end to cut the formation at the bottom of the hole when the tool is rotated, a block within the tube having a passage therethrough for the upflow of fluid and detritus, a valve closing downwardly and controlling said passage, a stuffing box in the tube above said block, a piston working in the tube intermediate of said block and stuffing box, said piston having valve means to permit upward flow of the fluid and detritus, and to raise said fluid and detritus, said tube having a discharge port leading to the outside of the said tube at a point below said stuffing box and above the piston when lowered, a piston rod extending up from the piston and through the upper part of the tube and means for rotating the tube, said means being operated from the reciprocations of the piston rod, substantially as described.

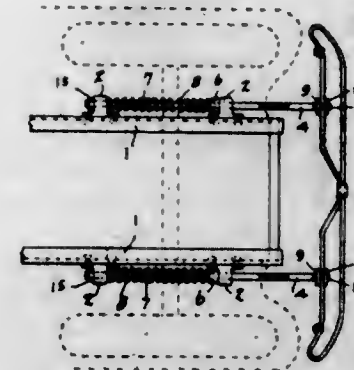
1,739,929. FUEL-DISTRIBUTING APPARATUS. CHARLES E. UNDERWOOD and JAMES A. BEATTY, Bethlehem, Pa., assignors to Bethlehem Steel Company. Filed Oct. 10, 1925. Serial No. 61,819. 3 Claims. (Cl. 158-7.)



1. The combination with a furnace having a gas combustion chamber, of a gas conduit mounted within the

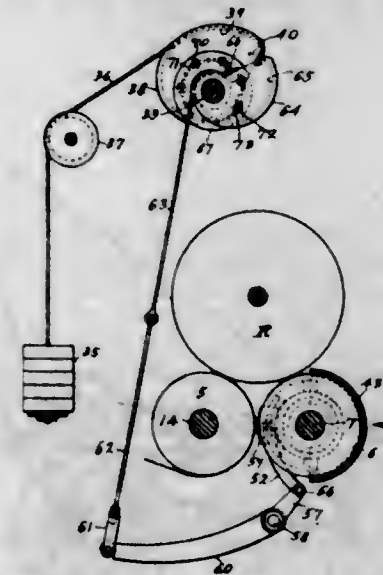
furnace structure communicating with the gas combustion chamber, said conduit having a metallic section terminating adjacent the external surface of the masonry structure, gas conducting means between the gas main and the gas conduit including a metallic conducting element pivotally connected to the metallic end section of said gas conduit.

1,739,930. AUTOMOBILE BUMPER BRACKET AND AUXILIARY SHOCK ABSORBER. FRED UNGAR, San Francisco, Calif. Filed Sept. 18, 1928. Serial No. 306,766. 3 Claims. (Cl. 293-55.)



3. The combination with an automobile chassis, of a bumper flexible enough to absorb up to substantially 3500 pounds, and heavy springs connecting the bumper with the chassis and designed to withstand a pressure up to substantially 15,000 pounds.

1,739,931. WINDING MACHINE. CHARLES W. VALENTINE, Watertown, N. Y., assignor to The Bagley and Sewall Company, Watertown, N. Y., a Corporation of New York. Filed Oct. 6, 1926. Serial No. 139,786. 5 Claims. (Cl. 74-105.)

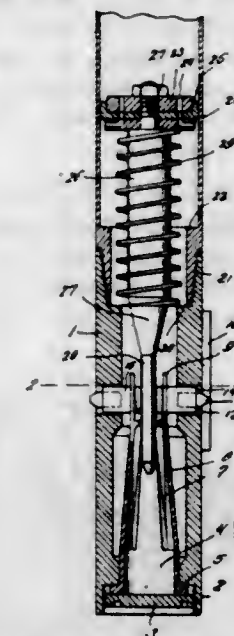


1. In a machine for winding web material into a roll, the combination of winding means, a guard therefor, an actuator shaft rotated by the lateral displacement of the roll, a spiral sheave on the shaft, and flexible connections between the sheave and the guard.

1,739,932. INSIDE CASING CUTTER. ERCOLE VENTRESCA, Houston, Tex. Filed May 18, 1925. Serial No. 31,005. Renewed Aug. 8, 1927. 10 Claims. (Cl. 81-195.)

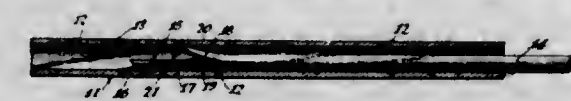
1. An inside casing cutter including, in combination, a body having radially disposed openings, holders in the openings, T-shaped extensions on the inner ends of the holders, a cone-shaped spring member in the body having longitudinally extending slits starting from its apex and

terminating a distance from its base end so as to form a plurality of spring arms having slots in their upper ends for receiving said T-shaped extensions and normally



retaining the holders inwardly of the body, and means for spreading the arms and moving the holders outwardly of the body.

1,739,933. RIFLE-CLEANING ROD. ROSCOE F. WARREN, Los Angeles, Calif. Filed Dec. 15, 1927. Serial No. 240,172. 4 Claims. (Cl. 42-91.)



1. A rifle cleaning rod comprising a cylindrical rod like structure having a projection with a curved-up end, the upper surface of the projection being flat, the said end being adapted to ride on the lands of rifling, a prong split from the rod on the side opposite the projecting end, said prong being bent laterally and of resilient material, the prong being tapered and having a chisel like cutting edge to follow the grooves in rifling, the chisel edge being set backwardly from the curved end of the projection.

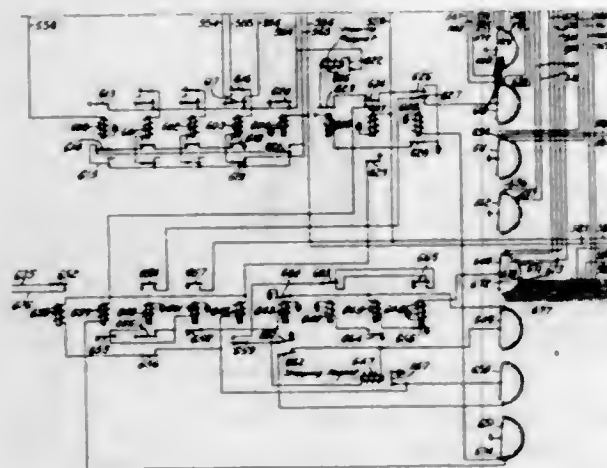
1,739,934. CORE DRILL. EUGENE WHINNEN, Los Angeles, Calif., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 26, 1923. Serial No. 682,599. 26 Claims. (Cl. 255-72.)



1. A core barrel comprising a single core receiving barrel member, a bit thereon having projecting wings and fluid

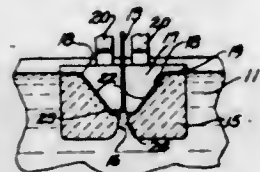
conducting passages in its wings, said barrel member forming a connection between the drill rods and said bit, and means including a plurality of separate members disposed along the outside of said barrel member for delivering fluid from the top of said barrel member through the passages in said wings on said bit to the bottom of the hole, each of said last mentioned members having a fluid conducting passage therein communicating with one of the passages in the wings.

1,739,935. SUPERVISORY CONTROL SYSTEM. THOMAS U. WHITE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 17, 1925. Serial No. 76,008. 2 Claims. (Cl. 177—353.)



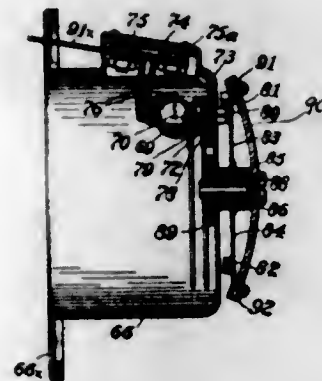
1. In a supervisory control system, a first station, a second station, apparatus units at said second station, signalling devices individual to each of said apparatus units at said first station, a signalling line connecting said stations, a finder switch at said second station comprising a bank of contacts, a code sender at said second station including a bank of contacts, a circuit extending from a contact on said finder bank to a plurality of contacts on said code sender bank, an electromagnetic means interposed between said finder switch and said code sender for selectively determining which of said plurality of contacts on said code sender bank is extended to the said contact on said finder switch bank, said apparatus units at the second station being arranged in groups, means responsive to the operation of one of said apparatus units in one of said groups for energizing said electromagnetic means interposed between said finder and said code sender, means controlled by the operation of said apparatus unit for operating said finder to said mentioned contact on the finder bank, means responsive to the operation of said finder to start said code sender for transmitting code combinations of impulses to said first station and means at said first station responsive to said code combinations of impulses for operating the signalling device individual to said operated apparatus unit.

1,739,936. METHOD AND APPARATUS FOR FORMING SHEET GLASS. HORACE E. ALLEN and WILBUR F. BROWN, Toledo, Ohio, assignors to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 1, 1928. Serial No. 251,031. 12 Claims. (Cl. 49—17.)



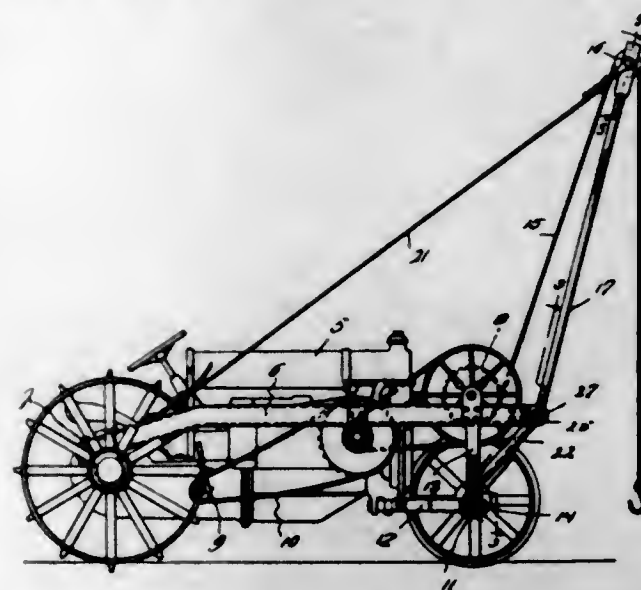
2. In the method of forming sheet glass, those steps which consists in creating two streams of molten glass by gravity flow and creating a stream by hydrostatic pressure, which streams unite to form the meniscus of the sheet.

1,739,937. TIME-CONTROL MECHANISM FOR ELECTRIC STOVES. CHARLES C. ARMSTRONG, Huntington, W. Va., assignor to The Armstrong Electric and Manufacturing Company, a Corporation of Delaware. Original application filed Aug. 3, 1925. Serial No. 47,830. Divided and this application filed Aug. 30, 1926. Serial No. 132,543. 2 Claims. (Cl. 250—38.)



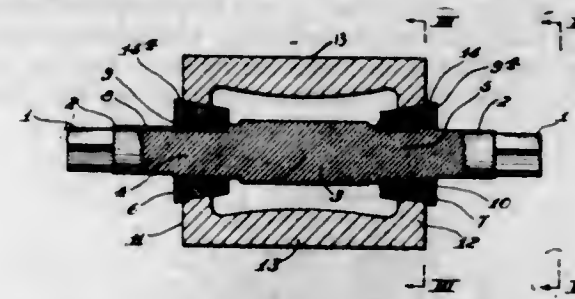
1. A circuit controller including a pivoted member having a projection, arms having a common pivot with projections at different distances from said pivot to engage said projection for moving said member either one way or the other according to which arm is effective, a ratchet disc, about the edge of which the arms may be set, a connection from said disc to clock works for rotating said disc always in one direction, said disc serving as the driver for the arms in whatever relation they may be set, one of said arms setting the said member to make and the other setting said member to break the circuit at times indicated on said disc according to the positions in which the arms are set, substantially as described.

1,739,938. CRANE ATTACHMENT FOR TRACTORS. JOHN B. BARNETT, Hollday, Tex. Filed July 21, 1928. Serial No. 294,470. 1 Claim. (Cl. 212—142.)



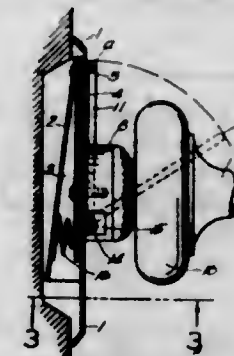
Means for converting a winch attachment for tractors for use as a crane, wherein said winch attachment comprising side frame members having a winding drum mounted between the forward ends thereof, comprising brackets adapted to be fixed to the forward ends of said frame members, a crane boom adapted to be mounted at its lower end in said brackets and having a hoisting cable guide sheave journaled at the upper end thereof, said boom embodying a pair of spaced similar members offset laterally toward each other at their upper ends and having the guide sheave journaled therebetween, a tubular open-ended rigid connection between the lower ends of said boom members, and a supporting shaft extending through said connection and having its ends projecting laterally therefrom.

1,739,939. HOLLOW ROLL. GEORGE BAHR, McKeesport, Pa. Filed Dec. 14, 1926. Serial No. 154,799. 5 Claims. (Cl. 80—58.)



5. A composite roll comprising an axial spindle member having the usual necks and wobblers and an intermediate body portion, the ends of the intermediate body portion being threaded, a wedge member adapted to engage one of said threaded portions of the body and to move toward the middle portion thereof upon the threaded portion, a second wedge member adapted to slide on the other end of the spindle, a threaded member adapted to drive the second wedge member inward on the spindle, and a shell member adapted to engage the said wedge members, said shell member comprising a cylindrical portion having flanged in-turned portions at the end thereof with tapered openings through the said flanged ends adapted to engage and seat upon the said wedge members.

1,739,940. DOOR BUFFER AND HOLDER. JOHN H. BASINGER, Oklahoma City, Okla. Filed Mar. 18, 1927. Serial No. 176,528. 4 Claims. (Cl. 292—246.)



1. A door holder adapted to engage the knob of an open door and hold the door in open-door position, a crank connected with the said door holder by which the holder is actuated, a buffer which is actuated by the knob of an open door and which actuates the said crank and thereby actuates the said door holder to engage the said door knob, a fixed stop which supports the said buffer when it is actuated.

1,739,941. RADIO SIGNALING SYSTEM. ETTORE BELINI, Paris, France. Filed Oct. 24, 1924. Serial No. 745,551, and in France Nov. 24, 1923. 4 Claims (Cl. 250—11.)



1. In a radiogoniometer system, the combination with a pair of fixed aperiodic loop aerials disposed at right angles

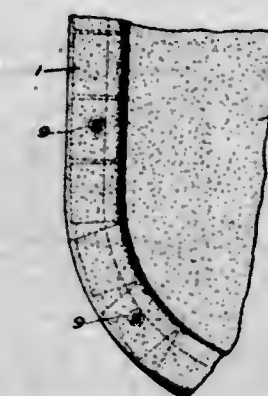
to each other, of a closed resistance member connected to all the aerial terminals in such manner that each loop aerial circuit has included therein a pair of branched portions of said resistance, and an adjustable member cooperating with said resistance member for determining from the position of said adjustable member the line of direction of a transmitting station.

1,739,942. RHEOSTAT. ERNEST A. BOHLMAN, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 11, 1926. Serial No. 80,402. 9 Claims. (Cl. 201—55.)



1. In a rheostat, a supporting base, a resistance element mounted on said base, a hub integral with said base, a shaft rotatably supported by said hub in said base, a wiper secured to said shaft by an upsetting operation and arranged to traverse said resistance element upon rotation of said shaft, said wiper having an enlarged portion comprising a plurality of depending legs adjacent said shaft, a terminal on said base and a resilient arm having one end fixed to said base, the opposite end of said arm being held firmly in engagement with the depending legs of said wiper, said engaging portions of said arm and wiper being located on the same side of said hub, said arm electrically joining said wiper to said terminal and preventing longitudinal movement of said shaft and also operating frictionally to retain said wiper in adjusted position due to the resiliency of said arm.

1,739,943. MOLDING. JOEL D. BOLENDER, Connersville, Ind., assignor to The George R. Carter Company, Connersville, Ind., a Corporation of Indiana. Filed Feb. 7, 1928. Serial No. 252,495. 7 Claims. (Cl. 45—138.)

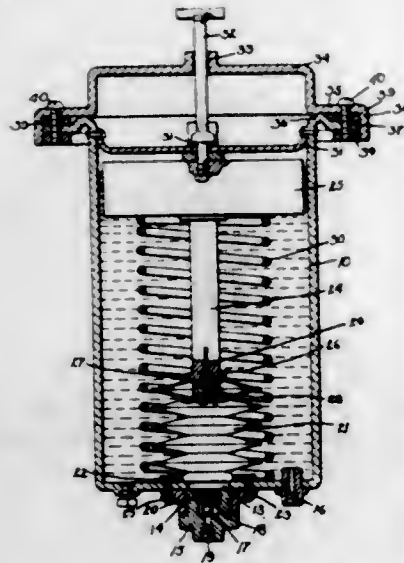


4. An article of manufacture comprising a metal frame, a metal stiffening member having transverse slits to permit same to be bent at an angle to its longitudinal axis, prongs punched from the body of said member leaving punched openings adjacent said prongs, attaching devices extending through said openings into said metal frame and a fabric molding enveloping said stiffening device and perforated by said prongs.

5. In a device of the character described the combination of a metal frame with a molding of fabric having foldable sides, a stiffening member inserted within the fabric, having a series of openings extending along its length, the

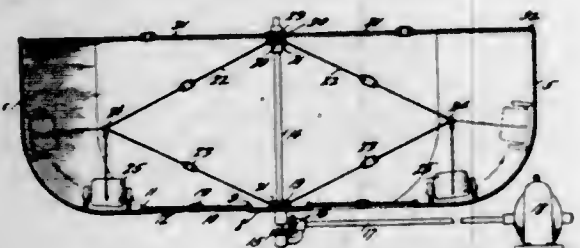
metal frame having openings that register with said first mentioned openings, fastening elements passing through said openings and said stiffening member being of such flexible character as to permit it to be bent along its longitudinal axis for bringing the foldable sides of the molding into folded position thereby concealing said openings.

1,739,944. PUMP. CHESTER H. BRASELTON, New York, and FRED. B. MACLAREN, Malba, N. Y.; said MacLaren assignor to said Braselton. Filed Feb. 20, 1922, Serial No. 537,682. Renewed Sept. 14, 1928. 2 Claims. (Cl. 105-148.)



1. In fuel feed apparatus a supply tank, an auxiliary tank at a higher level than the supply tank, vibration operated pumping mechanism for drawing liquid from the supply tank into the auxiliary tank, an inertia mechanism freely mounted within the auxiliary tank, valves suitably arranged to admit liquid into the auxiliary tank when relative motions of said tank and the inertia mechanism are imparted, and means for centering the inertia mechanism comprising a plurality of crossed leaf springs having aligned apertures at their intersections, said inertia mechanism having a portion projecting through said aligned apertures.

1,739,945. AMUSEMENT DEVICE. CARL BRITTON and CLINTON MCCORMACK, Crawfordsville, Ind. Filed Sept. 26, 1928. Serial No. 308,409. 4 Claims. (Cl. 272-41.)

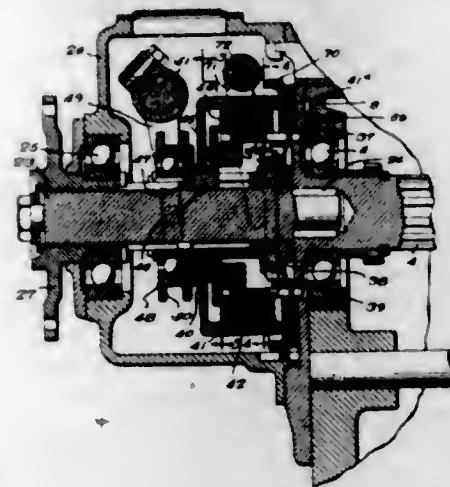


1. In a merry-go-round, a bowl, a shaft journaled vertically of the bowl and centrally thereof, arms extending radially from the shaft, passenger carriers supported by the bowl, flexible hitches connecting the passenger carriers to the arms whereby the passenger carriers are propelled around the bowl, and means for rotating the shaft.

1,739,946. TRANSMISSION MECHANISM AND BRAKE. GEORGE C. CARHART, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 19, 1924. Serial No. 750,946. 4 Claims. (Cl. 192-13.)

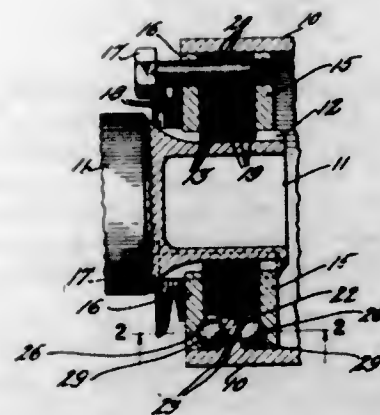
1. A motion transmitting mechanism comprising the driven shaft of a change speed gearing and a propeller

shaft driver in line with the driven shaft, a clutch connecting the driven shaft of the gearing and the propeller shaft driver including a section mounted on the said driven shaft and a section mounted on the propeller shaft driver, the latter section being normally in, and shiftable out of clutching engagement, a brake including a member associated with the clutch section mounted on the driven



shaft of the gearing and rotatable therewith and a movable abutment coacting with the brake member, means for shifting the shiftable clutch section out of clutching position, and means operated by the former means for acting on the movable abutment to actuate the same to engage the brake member during the throwing "out" of the shiftable clutch section.

1,739,947. CLUTCH. ROLAND CHILTON, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y., a Corporation of New York. Filed Feb. 29, 1928. Serial No. 258,076. 3 Claims. (Cl. 64-106.)

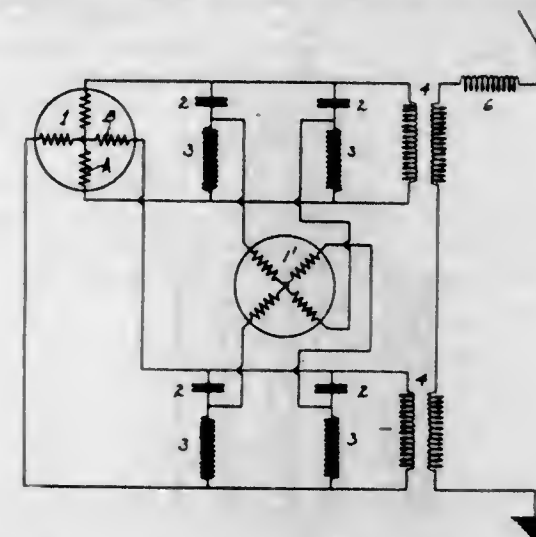


1. In a clutch adapted to drive in either direction of rotation, the combination of a driving means, a pair of axially separable driving clutch members, driven means frictionally engaged thereby, spring means normally effecting said engagement and torque responsive drive transmitting means connecting each clutch member to the driving means and adapted to relieve said frictional engagement at a lesser torque in one direction of rotation than in the other.

1,739,948. ELECTRIC SIGNALING. HENRI CHIREIX, Paris, France. Filed Nov. 29, 1924, Serial No. 752,873, and in France Dec. 13, 1928. 7 Claims. (Cl. 250-17.)

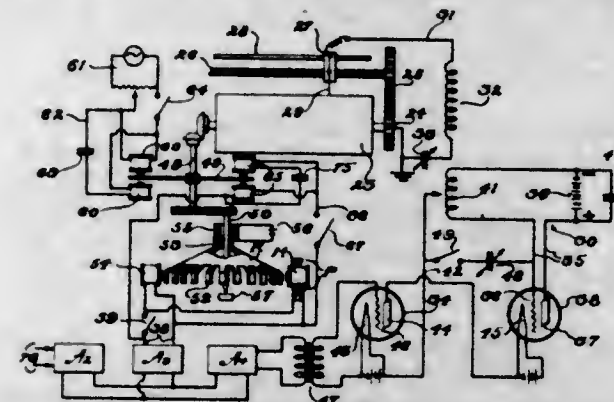
1. The method of radio signaling which comprises, generating polyphase currents of high frequency, generating

polyphase currents of lower frequency than said first mentioned currents, simultaneously modulating each phase of



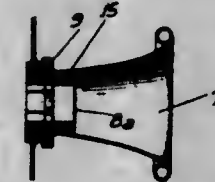
said high frequency currents by means of a separate phase of said second polyphase currents, and radiating the resultant modulated frequency.

1,739,949. PHOTOTELEGRAPHIC SYNCHRONIZATION. AUSTIN G. COOLEY, New York, N. Y. Filed May 22, 1928. Serial No. 279,678. 13 Claims. (Cl. 178-5.)



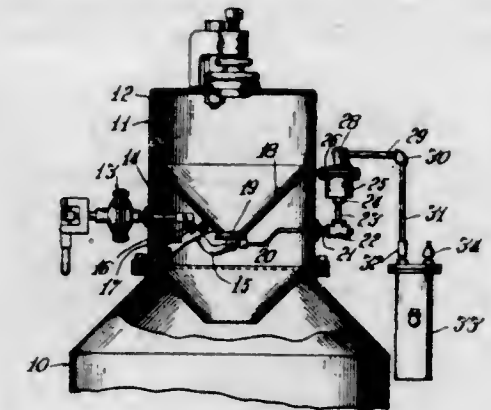
1. Phototelegraphic apparatus of the type having a transmitter and receiver moving in synchronism, comprising a motor having a rotor for driving the receiver, the rotor having one or more poles, an electromagnet movably mounted along the circular path of the poles to indicate leading and lagging tendencies, and a circuit for transmitting impulses to the electromagnet at a frequency bearing a predetermined ratio to the impulses from the transmitter, whereby the electromagnet is moved in the direction of rotation when the rotor tends to lead and in the opposite direction when the rotor tends to lag.

1,739,950. SANITARY INDIVIDUAL TELEPHONE MOUTHPIECE. ANNE W. CROSS, Stockton, Calif., assignor of one-third to Burnett Connell and one-third to Bernard Privat. Filed Dec. 19, 1927. Serial No. 241,215. 5 Claims. (Cl. 179-84.)



1. A sanitary telephone mouthpiece structure, said telephone having an orificed diaphragm-casing cover, comprising a rigid member to be secured to said cover and to project outwardly therefrom about the orifice and a flexible mouthpiece arranged to have detachable frictional engagement with and be supported at its inner end by said member.

1,739,951. FEEDING APPARATUS FOR CHEMICALS. FARMER DORSEY, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 13, 1927. Serial No. 191,085. 4 Claims. (Cl. 48-52.)



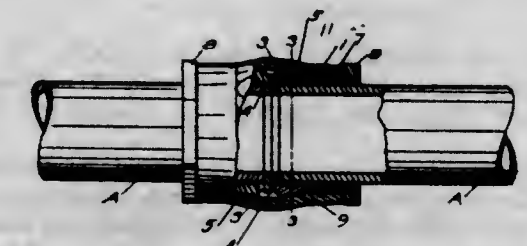
1. In an apparatus for generating gas, the combination with a holder for a dry chemical, of a holder for a liquid, a conduit through which the generated gas is delivered, mechanism for feeding the contents from one holder to the other intermittently in small quantities, a cylinder in said conduit, a piston adapted to reciprocate freely in said cylinder and to be moved in one direction by the pressure of the gas passing through the conduit, a valve in the piston held closed as it is moved by the pressure of the gas, an abutment rigidly secured within the cylinder in position to be engaged by the valve to open it at the limit of its movement to release the pressure and permit the piston to return, and connections from said piston to said mechanism so that each time the piston is reciprocated the feed is effected.

1,739,952. BOOM FOR EXCAVATING MACHINES. ROBERT REX DOWNIE, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1927. Serial No. 244,009. 5 Claims. (Cl. 212-144.)



1. A boom for excavating machines comprising a unitary structure of two spaced, parallel beams; and spacers with enlarged ends extending between said beams and welded at their ends to each of the beams; said spacers having intermediate portions whose sections are considerably smaller than the areas of said enlarged ends.

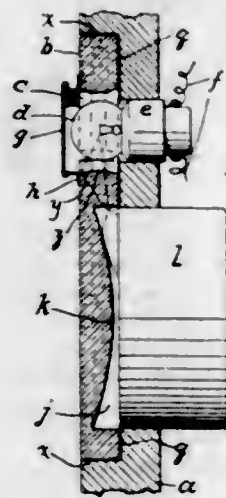
1,739,953. CONDUIT FITTING. RUSSELL P. DUNMIRE, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1925. Serial No. 65,823. 1 Claim. (Cl. 247-27.)



In a conduit fitting, the combination of two slotted contractible sleeves having tapered outer surfaces, said sleeves being placed end to end with their smaller ends extending

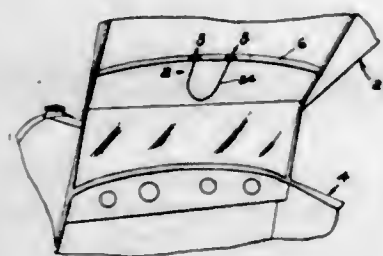
outwardly and with their larger ends closely adjacent; an integral coupling sleeve formed of annularly integral walls being larger at the center than at the ends and extending over the contractible sleeves and engaging the tapered surfaces, the contractible sleeves extending outwardly beyond the end of the coupling sleeve; and means on the outer ends of the contractible sleeves drawing them outwardly to close them on an inserted conduit.

1,739,954. INSTRUMENT BOARD FOR AUTOMOBILES. FRANCIS I. DU PONT, Wilmington, Del. Filed Feb. 9, 1927. Serial No. 166,962. 12 Claims. (Cl. 240—8,16.)



1. In an instrument board for automobiles, in combination, a sheet of glass having a plurality of recesses of varying depth formed therein, instruments supported adjacent to and facing the open ends of said recesses, an aperture in said sheet the walls of which adjacent the front and back surfaces of said sheet extend at an angle to the intermediate portion thereof, and a lamp positioned in said aperture.

1,739,955. HATRACK. OLIVER W. ECKSTEIN, Ohfield, Calif. Filed Sept. 22, 1928. Serial No. 307,655. 4 Claims. (Cl. 211—31.)

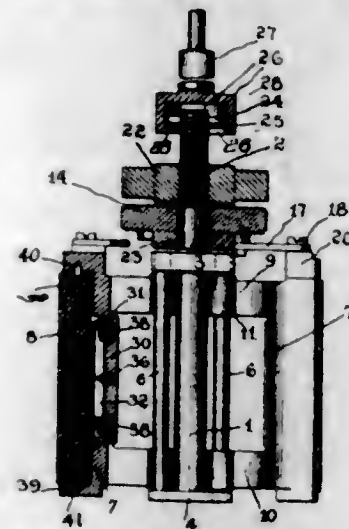


1. An automobile hat rack adapted to be positioned on the top of an automobile comprising a pair of anchoring devices adapted to be secured to said top, a kerfed projection extending outwardly from each of said devices, a hat bearing loop having its ends hinged to said projections, and a spring surrounding each of said projections, one end of each of said springs engaging said kerf and the other end engaging said loop.

1,739,956. CYLINDRICAL MILLING TOOL. WILLIAM FREDERICK EMEASON, Williamsville, N. Y. Filed June 28, 1924. Serial No. 722,916. 2 Claims. (Cl. 51—184.1.)

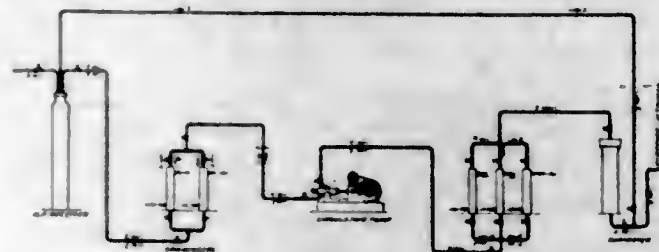
1. A device of the character described, comprising in combination, a supporting member, carrier members mounted upon the supporting member to be rotatable therewith and adjustable radially with relation thereto, said carrier members being formed with elongated sockets, abrading members secured within the sockets with provision for radial or outward movement, pressure plates hingedly supported longitudinally within the carriers and positioned to

engage the inner sides of the abrading members to one side of their central longitudinal axis, resilient means acting upon the pressure plates to impart yielding out-



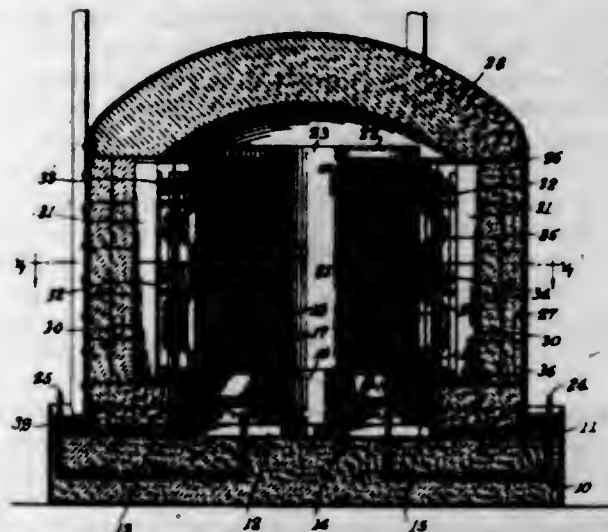
ward pressure to the abrading members and said abrading members being fitted loosely within the sockets whereby they are tilted or inclined with reference to the surface acted upon, substantially as described.

1,739,957. USE OF AMMONIA AS A LUBRICANT. FRANK A. ERNST, Somerset, Md., and CHARLES H. YOUNG, Seattle, Wash., assignors to Arthur B. Lamb, trustee. Filed June 24, 1926. Serial No. 118,355. 8 Claims. (Cl. 23—199.)



8. A process of ammonia lubrication of a circulating pump in the cyclic system for the production of ammonia by the synthesis of its elements in the presence of a catalyst under a raised temperature and pressure, which comprises cooling the gases as produced to liquefy ammonia, admitting liquefied ammonia to the circulating pump whereby parts of the pump are lubricated, and withdrawing part of the ammonia whereby expansion takes place absorbing heat and cooling parts of the pump.

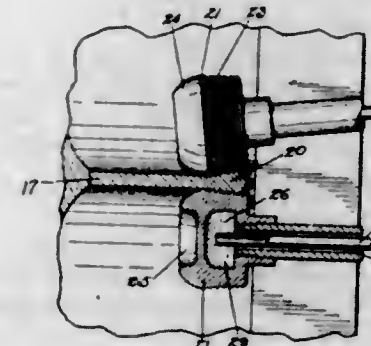
1,739,958. ELECTRICAL ANNEALING. MALCOLM FARMER, Hartford, Conn. Filed Aug. 2, 1926. Serial No. 126,361. 8 Claims. (Cl. 266—5.)



1. Electrical annealing apparatus comprising a base for supporting the material to be treated and having air pas-

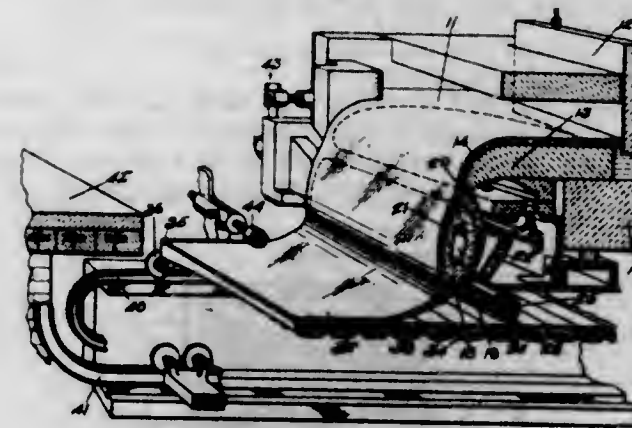
sages, a movable shield adapted to be placed over the material and rest on the base and having an air passage communicating with the air passages on the base, a heating hood adapted to be lowered over the shield, said hood containing electrical resistors adjacent said shield and means for sealing said air passages when the resistors are being heated.

1,739,959. WIDTH MAINTAINER. ENOCH T. FERNGREN, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 1, 1924. Serial No. 753,108. 10 Claims. (Cl. 49—17.)



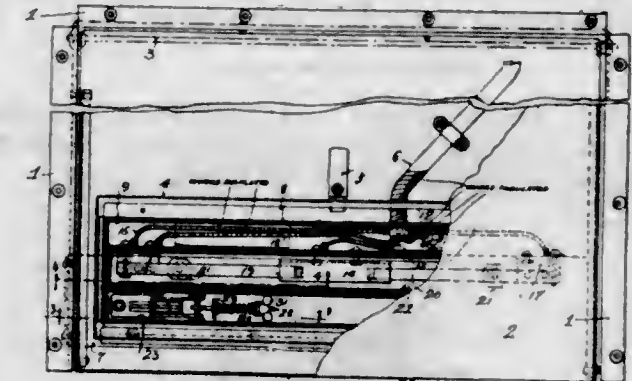
3. In a sheet glass drawing apparatus, means for drawing a flat sheet of glass from a mass of molten glass, and means for holding the sheet to width, comprising rotatable rolls engaging the edges of the sheet near its source, each of said rolls having a cupped end.

1,739,960. DOWNFLOW SHEET-GLASS APPARATUS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 19, 1924. Serial No. 756,897. 8 Claims. (Cl. 49—17.)



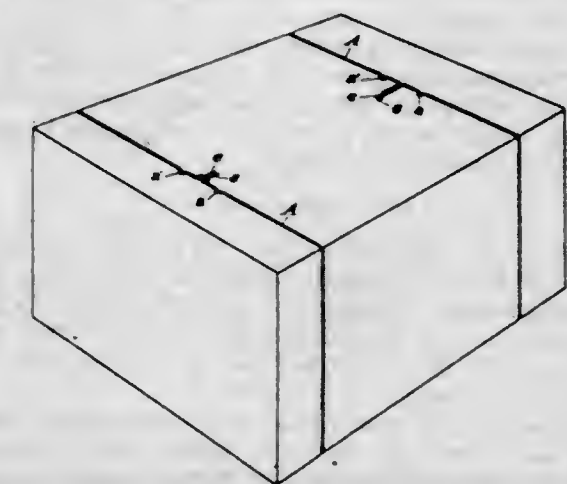
8. The process of producing sheet glass, consisting in flowing a divided stream of molten glass down the sides of a slab, cooling the outer surface of one of the streams in a manner to form a skin thereon, simultaneously heating the inner surface of the stream to limit the thickness of the skin formed, and then drawing the streams from the slab in united sheet form.

1,739,961. TREADLE SWITCH STRUCTURE. PARIS R. FORMAN, Rahway, N. J., assignor to National Pneumatic Company, New York N. Y., a Corporation of West Virginia. Filed Nov. 19, 1927. Serial No. 234,538. 12 Claims. (Cl. 200—85.)



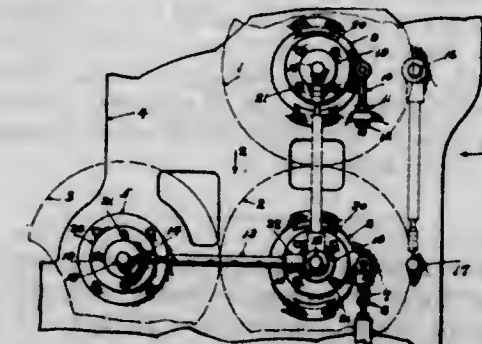
1. In a treadle construction the combination with a pivoted treadle plate of a unitary structure solely supported on said treadle including a switch and means for maintaining said treadle in raised position whereby said switch is open.

1,739,962. WIRE PACKAGE BINDER. ALEC J. GERRARD, Chicago, Ill., assignor to The Gerrard Company, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 22, 1923. Serial No. 664,250. 2 Claims. (Cl. 24—27.)



1. A wire package binder comprising a length of wire distorted and kinked adjacent its ends, said kink being of substantially V-shape and having uniformly throughout its length a wire cross-sectional area of substantially the same magnitude as the wire proper.

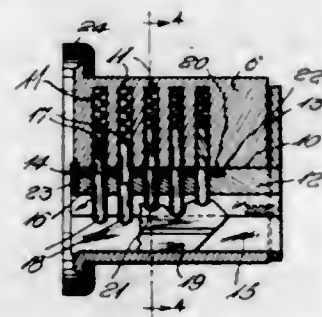
1,739,963. CYLINDER ADJUSTMENT FOR OFFSET-PRINTING MACHINES. ALBERT J. GRAF, Westfield, and WILLIAM K. ECKHARD, Danellen, N. J., assignors to R. Hoe & Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 29, 1927. Serial No. 236,399. 6 Claims. (Cl. 101—217.)



1. In a printing machine, the combination of a form cylinder, a transfer cylinder and an impression cylinder

arranged with one of the cylinders located between the other two, and means for adjusting the cylinders relatively to each other, and a measuring device pivotally associated with the intermediate cylinder and movable about the center of the intermediate cylinder into measuring relation with the other cylinders for accurately determining the required adjusting movement of the cylinders.

1,739,964. PIN-TUMBLER LOCK. WALTER D. HAINLINE, San Francisco, Calif. Filed Dec. 13, 1928. Serial No. 325,760. 3 Claims. (Cl. 70-47.)



1. An improvement in a lock of the type embodying a cylinder having a longitudinal plug bore and a transverse pin bore, a plug rotatable in said plug bore and having a longitudinal key-way and a transverse pin bore, a spring-pressed locking pin in the pin bore of the cylinder projectable into the pin bore of the plug, and a key-actuated releasing pin in said pin bore of said plug; said improvement consisting of a plate at the periphery of said plug having an opening through which said locking pin normally passes, said plug being formed with a peripheral recess receiving said plate and of greater width in degrees than said plate, permitting limited turning of the plug with respect to the plate if the locking pin be picked out of the pin bore of said plug.

1,739,965. PRODUCTION OF PATTERN EFFECTS UPON TEXTILE GOODS. GEORGES HEBERLEIN, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 11, 1926, Serial No. 147,850, and in Germany Mar. 27, 1926. 6 Claims. (Cl. 8-20.)

1. Process for the production of durable pattern effects upon goods comprising vegetable fibres, which comprises altering the susceptibility of such fibres to swelling agents at certain portions of the goods by subjecting such portions to substantial pressure at a temperature of at least 100° C. and thereafter subjecting the goods to a swelling agent for vegetable fibres.

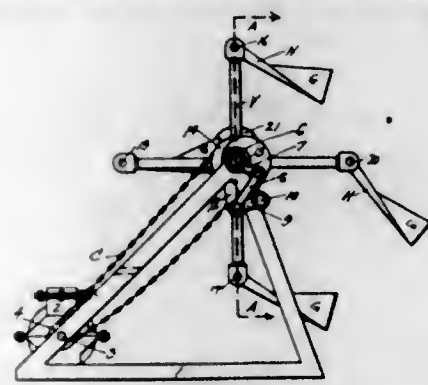
1,739,966. PRODUCTION OF PATTERN EFFECTS UPON TEXTILE GOODS. GEORGES HEBERLEIN, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 11, 1926, Serial No. 147,851, and in Germany Mar. 30, 1926. 1 Claim. (Cl. 8-20.)

Process for the production of pattern effects upon goods comprising vegetable fibres, which comprises subjecting the goods to a swelling agent for vegetable fibres, then treating the goods to eliminate further action of the swelling agent, and before the goods have become dry subjecting certain portions of the goods, according to the pattern to be produced, to substantial pressure at a temperature of at least 100° C.

1,739,967. BUOYING AND DRIVING MECHANISM FOR FLYING MACHINES. GUSTAF HEDÉN, New York, N. Y. Filed Apr. 16, 1928. Serial No. 270,514. 3 Claims. (Cl. 244-11.)

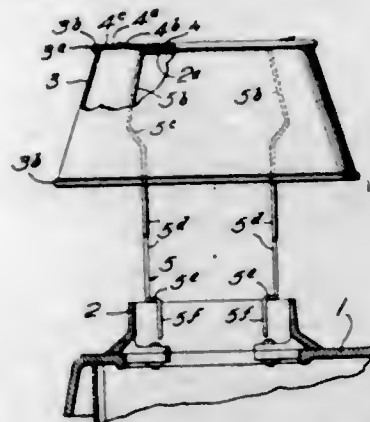
1. A flying machine comprising a body, a rigid wing wheel mounted therein and rotatable in the vertical plane,

said wing wheel comprising a hollow central shaft with hollow radial arms rigidly affixed thereto, parallel shafts oscillatably mounted between each pair of said radial arms, flexible wings with taut or stiff front edges and loose rear edges mounted on and between wing arms rigidly



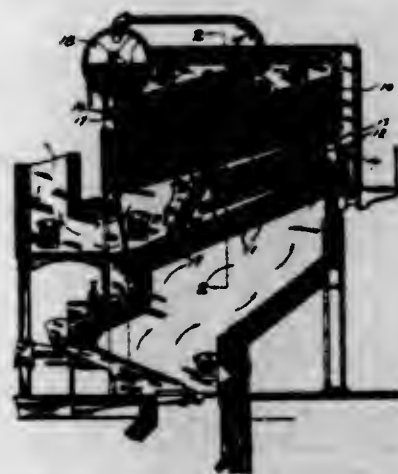
affixed to said shafts, means for rotating the said wing wheel, means for oscillating the said wing arms in such manner that their oscillation is in a direction from above-forward in the upper, but from above-backward in the lower semicircle of their rotation.

1,739,968. GAS-STOVE-FLUE ATTACHMENT. PAUL J. HENTSCHEL, Baltimore, Md., assignor to Monarch Products Company, Baltimore, Md., a Corporation of Maryland. Filed Nov. 14, 1928. Serial No. 319,384. 6 Claims. (Cl. 126-299.)



1. A device for the purpose described comprising a sheet metal hood of substantially truncated cone shape having a substantially flat sheet metal plate at the top thereof, and a supporting frame comprising wire legs connected only at their upper ends and having their lower ends provided with stove flue ring engaging means.

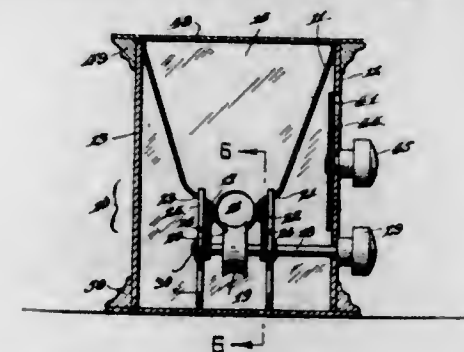
1,739,969. BOILER BAFFLE. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed July 20, 1922. Serial No. 576,184. 19 Claims. (Cl. 110-98.)



1. A water tube boiler having banks of tubes with a space therebetween, and a baffle extending within the

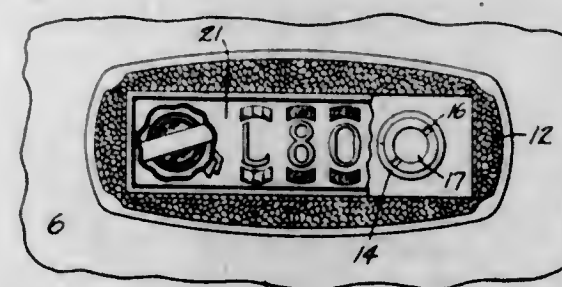
space and inclined to the vertical, said baffle comprising fixed metallic members and tile attached to and at least partly supported by said fixed members and located on the lower side of the baffle.

1,739,970. DISPENSING MACHINE. HARRY M. KAUFFMAN, Philadelphia, Pa. Filed June 11, 1928. Serial No. 284,376. 5 Claims. (Cl. 312-75.)



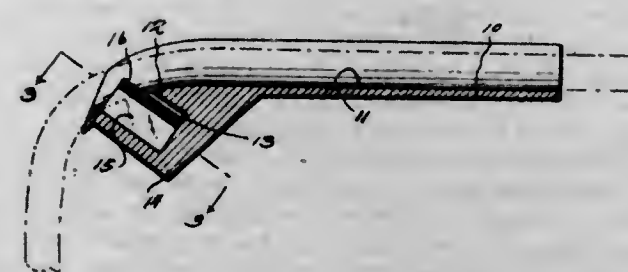
1. A dispensing machine including a hopper for receiving articles to be dispensed and having a discharge aperture in its end wall; a shaft, rotary means thereon for agitating the articles in the hopper, and rotary means thereon for moving an article endways through the aperture.

1,739,971. IDENTIFICATION-PLATE FRAME. PHILIP JAMES KENT, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a Corporation of Delaware. Filed Jan. 6, 1926. Serial No. 79,666. 5 Claims. (Cl. 40-2.2.)



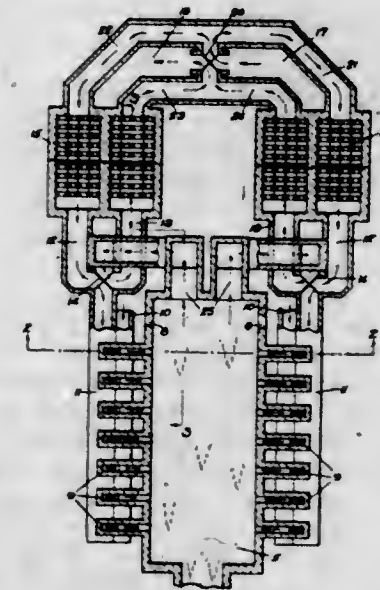
1. In combination, a support, a plate mounted on the support and having its edges forming a frame, an identification plate mounted over said first plate, within said frame portion, the side edges of the identification plate being covered by the frame and means consisting of plugs positioned between said identification plate and support having means thereon for securing both said plates against unauthorized removal.

1,739,972. CABLE SPLITTER. HARRY W. KLINGBER, Sunbury, Pa. Filed Oct. 25, 1928. Serial No. 315,044. 1 Claim. (Cl. 81-9.5.)



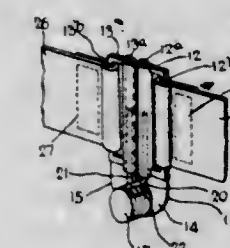
A tool for splitting wire cable comprising a channelled shank adapted to receive the cable, a removable knife disposed in the open end of the shank and projecting upward into the channel, this end of the channel being curved or deflected out of the plane of the body of the shank.

1,739,973. NONREVERSIBLE FURNACE. LEOPOLD MAMBOURG, Lancaster, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 10, 1925. Serial No. 61,669. 14 Claims. (Cl. 158-7.5.)



1. A regenerative furnace of the character described, comprising a plurality of ports, means for supplying gas to the ports, and a plurality of reversible means for supplying air to each port.

1,739,974. EXPANSION COUPLING DEVICE. DAVIS MARINSKY, New York, N. Y. Filed Oct. 6, 1927. Serial No. 224,348. 13 Claims. (Cl. 267-69.)



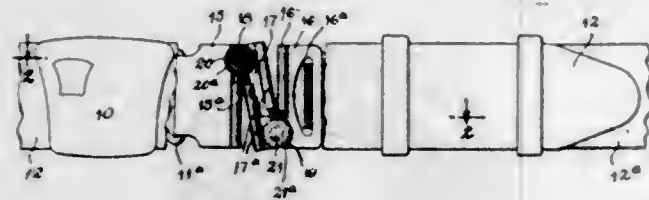
1. A coupling device comprising two parts with which independent body members are adapted to be coupled, and a coil spring, the end portions of which cooperate with said parts and normally serving to maintain the same in adjacent relation, said spring permitting of the separation of said parts, and body members in fan-like fashion under the tension of said spring, means for limiting the relative movement of said parts, said means comprising a hollow body encircling said coil spring, and means for pivotally coupling said parts together.

1,739,975. COUPLING MEMBER. DAVIS MARINSKY, New York, N. Y. Filed Dec. 31, 1927, Serial No. 243,818. Renewed Sept. 27, 1929. 12 Claims. (Cl. 24-77.)



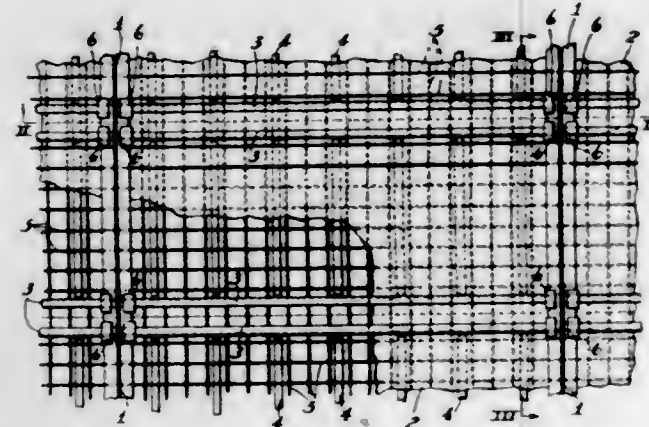
5. A combination buckle and resilient coupling member of the class described consisting of two movably coupled parts, tensional means engaging said parts to normally hold adjacent faces of said parts in abutting relation and permitting the separation of said parts under the increased tension of said means, and each of said parts having means for adjustably coupling a strap member therewith.

1,739,976. MULTIPLE-LINK RESILIENT BODY. DAVID MARINSKY, New York, N. Y. Filed Mar. 31, 1928. Serial No. 266,157. 15 Claims. (Cl. 267-69.)



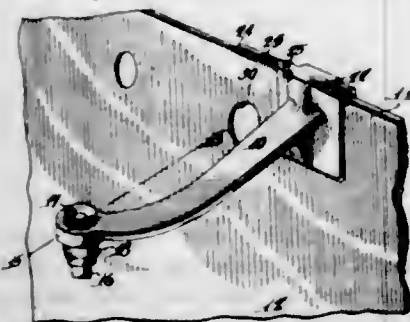
4. A body of the class described comprising a plurality of links having pivotal connections disposed alternately at opposite side edges of said body, tensional means at the pivot portions of said links and engaging adjacent links for normally maintaining the same, under tension, in abutting relation and permitting the separation thereof under the increased tension of said means, said tensional means involving coil springs having projecting end portions, means for movably supporting said end portions in connection with adjacent links, means encircling said spring and cooperating with the projecting end portions thereof for limiting the separation of said links, and means whereby a strap member may be coupled with a link at one end of said body.

1,739,977. SLAB CEILING CONSTRUCTION. HERBERT E. MARKS, Sewickley, Pa. Filed May 14, 1928. Serial No. 277,426. 8 Claims. (Cl. 72-68.)



1. A slab ceiling comprising a plurality of spaced beams, slabs of cementitious material extending between said beams below their lower flanges and having longitudinally extending bars molded in them and projecting above their upper faces, and clips engaging the upwardly projecting portions of said bars and the bottom flanges of said beams for attaching the slabs to the beams.

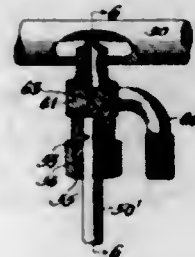
1,739,978. OFF-CENTER BRACKET FOR ICE CANS. JOSEPH A. MARTOCCELLO, Philadelphia, Pa. Filed July 29, 1926. Serial No. 125,644. 12 Claims. (Cl. 62-159.)



1. In a can and a tube bracket for supporting a drop tube in the middle of an ice can, an ice can, a bracket

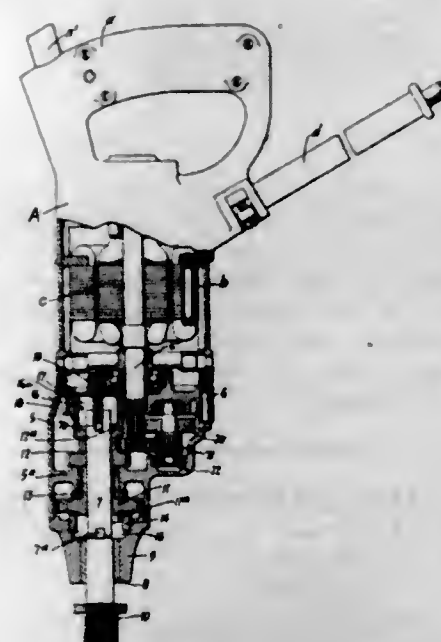
spaced at its can support at a distance from the axis of the can, and reaching over the side of the can and laterally extended to engage the top and beyond the middle of the side to support the bracket from tilting under the weight of the tube at the middle of the can.

1,739,979. SYSTEM FOR AERATING ICE CANS. JOSEPH A. MARTOCCELLO, Philadelphia, Pa. Filed Feb. 15, 1927. Serial No. 168,267. 6 Claims. (Cl. 62-159.)



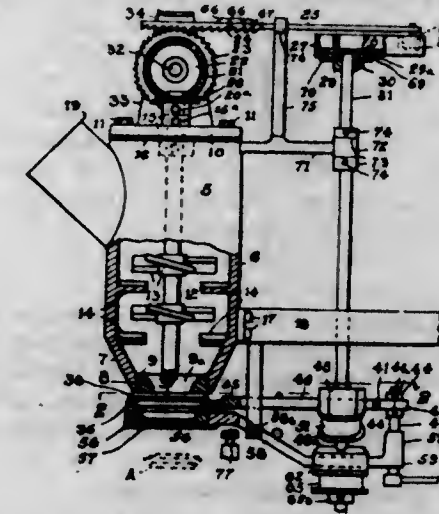
3. In ice making machinery, an air lateral, a fitting therein having a constricted inlet opening, a valve passage and a valve plug in the passage having an opening smaller than the opening in the fitting within the lateral, adapted to close the air supply or to pass air therethrough while trapping foreign matter from the air.

1,739,980. TRANSMISSION APPARATUS. LEON F. MEUNIER, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 18, 1926. Serial No. 89,239. 7 Claims. (Cl. 74-59.)



1. Transmission apparatus for a small portable or hand tool comprising a casing arranged to be secured to the tool, a spindle rotatable and reciprocable in said casing, two members rotatably mounted on said spindle in abutting relation, said casing providing bearings for said members, means for rotating said members in opposite directions, means for establishing a driving connection between said spindle and either of said members, and resilient means in line with said spindle and partly telescoping within the latter for yieldingly maintaining the driving connection between said spindle and one of said members.

1,739,981. MEANS FOR FEEDING PLASTIC MATERIAL TO MOLDS. WILLIAM J. MILLER, Swissvale, Pa. Filed Dec. 23, 1926. Serial No. 156,674. 19 Claims. (Cl. 25-103.)



1. In mechanism of the class specified, means for extruding onto a former, and unitary means for segregating the material in charges and depositing the charges into or on suitable molds.

1,739,982. VENDING MACHINE. LOUIS H. MORIN, New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc., a Corporation of New York. Filed Mar. 8, 1926. Serial No. 91,920. 5 Claims. (Cl. 312-84.)

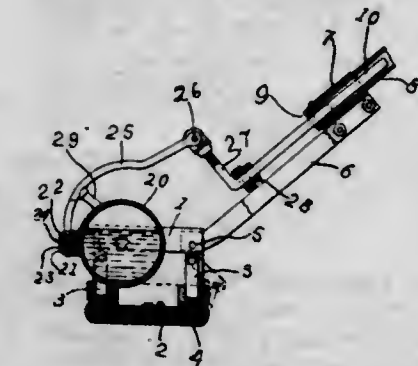


1. In a vending machine, the combination of a magazine hopper adapted to contain in horizontal parallel relation a supply of slender brittle cylindrical articles to be vended, a horizontally journaled delivery cylinder provided longitudinally thereof with a circumferential series of equidistantly spaced delivery grooves in its periphery the upper portion of which forms a bottom for the magazine hopper adapted to remove said articles from the hopper one by one upon successive steps of rotative movement of the cylinder, a stationary arcuate guard extending from the hopper over the upper portion of the forward side of the periphery of the cylinder and sufficiently short to provide for the removal of said articles from the delivery grooves at a level above the axis of the cylinder, a series of circumferential spaces provided along the length of the periphery of the cylinder of greater depth than the delivery grooves, a series of stationary inclined stripping fingers projecting inwardly and upwardly into said spaces with their outer surfaces at their upper ends substantially tangential to the cylinder above the level of its axis and inwardly from the bottoms of its delivery grooves for

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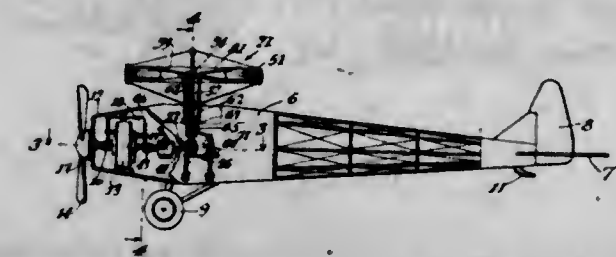
thereby gently gradually easing said articles out of and removing them from the delivery grooves just below the lower end of said guard, a gentle incline down which said articles may safely roll from the stripping fingers for delivery, and operating mechanism for imparting positively determined steps of rotative delivery movement at a substantially uniform rate to the delivery cylinder.

1,739,983. WAXING MACHINE. GUS H. NELSON and ARTHUR R. THATCHER, Omaha, Nebr. Filed Jan. 7, 1928. Serial No. 245,147. 3 Claims. (Cl. 91-39.)



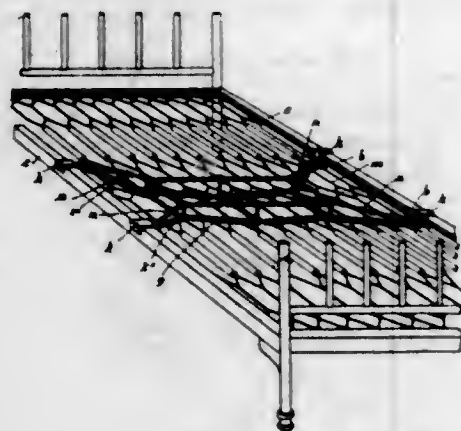
1. A waxing machine comprising a frame, a tubular handle member carried by said frame, a wax receiving receptacle pivotally mounted in said frame, discharge valves carried by said receptacle, an operating rod slidably mounted in the handle member, a link connection between the operating rod and the receptacle, spring means cooperating with the rod for normally forcing the same to inoperative position, a handle member slidably mounted on the tubular handle member, connections between the handle member and the rod and extending through elongated slots in the tubular handle member, said link connection cooperating with the valve whereby said valve will be opened when said receptacle is rotated a predetermined distance.

1,739,984. HELICOPTER. HENRY C. PRIVETT, Los Angeles, Calif., assignor of one-fourth to Ernest B. Sweetman, Los Angeles, Calif. Filed June 27, 1928. Serial No. 288,574. 4 Claims. (Cl. 244-19.)



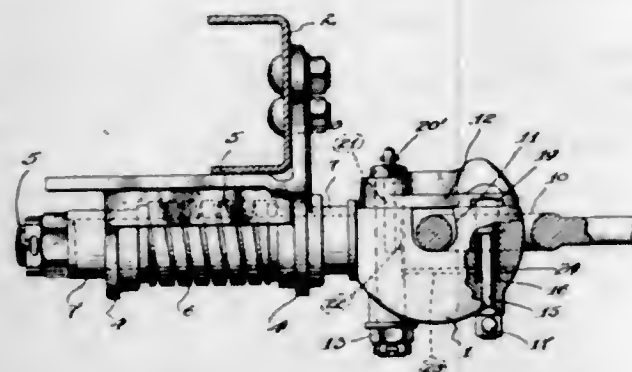
1. An air craft comprising a fuselage, a motor, driving means operably associated with said motor for propelling said craft horizontally, a frame work extending transversely of the fuselage, a vertically disposed shaft journaled at each end in said frame work and upon each side of the fuselage, a clutch and a variable speed transmission interposed between said shafts and the motor optionally to disconnect the shafts from the motor or connect them to the motor to be rotated thereby at selected speed, a rim carried by each of said shafts with the associated shaft normal to the plane thereof, a plurality of radiating rods, each journaled at one end upon the shaft and at the other end upon the rim, a sector shaped vane carried by each of said rods, a sleeve splined to the shaft, a link pivoted to each of said vanes at a point offset from its associated rod, all of said links being pivoted also to the sleeve, and means for sliding the sleeve upon the shaft.

1,739,985. SPRING MATTRESS. CARL KNUD RASMUSSEN, Braunschweig, Germany. Filed Jan. 5, 1927. Serial No. 159,219, and in Germany Apr. 14, 1926. 4 Claims. (Cl. 5-226.)



1. Means for reinforcing the resilient part of spring mattresses for beds, couches and the like, comprising in combination a bridge part, resilient members in the said bridge part, means comprising pairs of tension members for suspending the bridge part transversely under the mattress independently of the resilient part of the mattress, the tension members of each pair being capable of being slid along the side members of the mattress towards and away from one another for adjusting the tension in the resilient members in the said bridge part, as and for the purpose set forth.

1,739,986. PINTLE HOOK. FREDERICK MALCOLM REID, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 23, 1927. Serial No. 170,204. 4 Claims. (Cl. 280-33.15.)



1. A pintle hook for connecting vehicles, comprising a hook having an upwardly opening recess, a latch pivotally mounted for movement in a horizontal plane on the upper part of the hook on one side of the recess and adapted to be swung to close said recess, said latch having a recess near its end opposite its pivotal mounting, and a spring pressed plunger in the body of the hook projecting above the same on the opposite side of the hook from where the latch is pivoted adapted to co-operate with said recess to lock the latch in closed position.

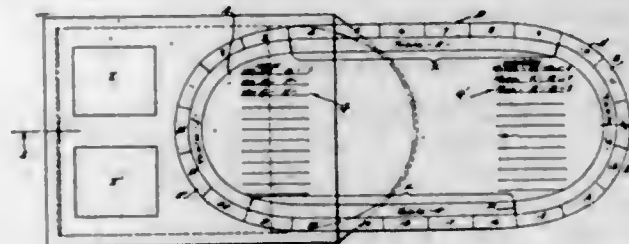
4. A pintle hook for connecting vehicles, comprising a hook having a recess for receiving a draft member, a pivotally movable latch for closing said recess, a movable plunger on the opposite side of the recess for locking the latch in closed position, lubricating means for lubricating one of said movable members, the said hook having a channel in its body connecting the pivot of the latch and the plunger, whereby lubricant from the one movable member is carried to the other, and all moving parts thus lubricated.

1,739,987. FASTENING DEVICE. DANIEL I. REITER, Brooklyn, N. Y. Original application filed Aug. 16, 1926, Serial No. 129,535. Divided and this application filed Jan. 18, 1927. Serial No. 161,864. 15 Claims. (Cl. 24-150.)



1. A double pointed pin fastener having a cap provided with a flanged rim, a double pointed pin having its head formed by bending over and humping its looped end and rigidly engaged by the flanged rim of the cap, and a spur formed by bending part of said head inwardly of the flanged rim.

1,739,988. SEATING CHART. FLORENCE A. RUTTY, New York, N. Y. Filed May 4, 1928. Serial No. 275,037. 1 Claim. (Cl. 35-16.)



As a new article of manufacture, a seating chart for dinner and luncheon parties which comprises, in combination, two telescoping sheet sections each made of material on which lead pencil marks may be traced or erased and having curved outline portions which, when said sections are assembled, form the outline of a closed loop, said outline portions being provided with evenly spaced and consecutively numbered divisions, each representing a seating for a guest, and the interior portions of the face of one section having parallel lined spaces in which the names of a list of men guests may be written and the other section having similarly lined spaces in which the names of women guests may be written; whereby said chart may be partially telescoped to leave exposed the number of seatings required for a party of a given number, and the names of the guests written on the lines in the proper column together with their respective seat numbers as the latter are selected by the hostess to arrange adjacent seatings.

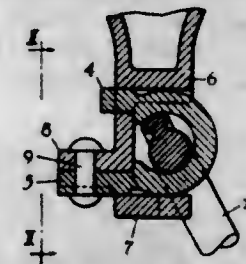
1,739,989. NONSLIPPING ABDOMINAL BANDAGE. ALFRED E. SAUTER, Bronx, N. Y. Filed Nov. 15, 1927. Serial No. 233,377. 1 Claim. (Cl. 128-167.)



A non-slipping abdominal bandage of the character set forth comprising, in combination, an elongated strip of soft, elastic material having at one end an inner fold and at the opposite end an outer fold, both folds coextensive with each other, said outer fold adapted to adjustably encircle the inner fold when placed on the body, a pair of fastening tapes at the upper part of the bandage, a second pair of fastening tapes at the lower part of the bandage, the tapes of both said pairs being stitched to the bandage substantially at points where the inner and outer

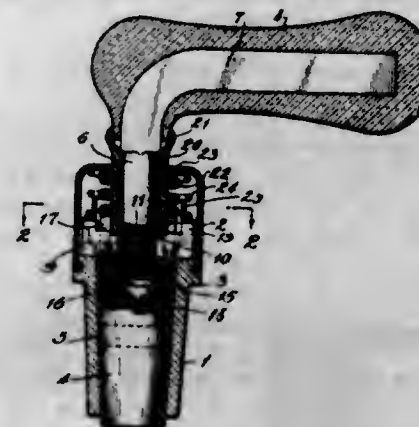
folds merge into each other, and the tapes of both said pairs at the opposite side being stitched to the bandage near the outer end of the outer fold, a plurality of flexible, inextensible slip-preventing devices for the bandage to prevent upward and downward movement of the layers of the latter when on the body, said slip-preventing devices each comprising a tape portion stitched along the exterior of the outer fold of the bandage and extending substantially throughout the length of said outer fold, one of said slip-preventing devices disposed at the upper part of the bandage and another at the lower part of the latter, said slip-preventing devices coextensive with the complementary tapes of said fastening devices at top and bottom of the bandage, respectively, an intermediate pair of complementary fastening tapes between the fastening devices at top and bottom of the bandage, said inner fold arranged to cushion and isolate all stitched portions of the outer fold from the body of the wearer, said inner and outer bandage folds presenting a plural thickness of material throughout when in position on the body, and both of said folds including a plurality of continuous, unbroken stretches of elastic material extending longitudinally throughout the length of both said folds, one of said continuous stretches between the upper and intermediate pair of fastening tapes and the other between said intermediate pair of fastening tapes and the lower pair of fastening tapes.

1,739,990. BRAKE-HANGER SUPPORT. FREDERIC SCHAEFER, Pittsburgh, Pa. Filed Jan. 5, 1927. Serial No. 159,076. 3 Claims. (Cl. 188-207.)



1. The combination with a truck frame for railway cars provided with a bracket having a horizontally-disposed opening, a brake hanger stirrup arranged in said opening and having one of its free ends projecting beyond the other, said projecting end of the stirrup being riveted to a wall of said bracket.

1,739,991. STOP COCK OR VALVE. ABRAHAM W. SCHENKER, Forest Hills, N. Y. Filed Apr. 2, 1927. Serial No. 180,522. 13 Claims. (Cl. 251-165.)

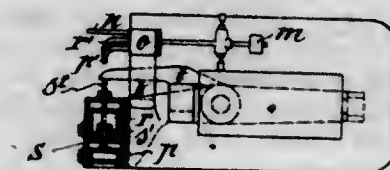


1. In a valve of the class described, a casing, a plug and an operating member therefor, a key connection between the plug and the member for constraining them to rotate together while enabling longitudinal movement with respect to each other, and a plurality of springs within the casing, one spring pressing the plug to its seat, and the other normally pressing the operating member toward the plug, and locking mechanism between the key and the casing for preventing angular movement of the plug released by movement of the operating member away from the plug.

1,739,992. PROCESS OF WORKING UP MIXED SHAVINGS OF WHITE METAL AND RED METAL. ANTON SCHWARZ, Berlin-Weidmannslust, Germany. Filed June 10, 1927, Serial No. 197,994, and in Austria May 5, 1926. 11 Claims. (Cl. 75-17.)

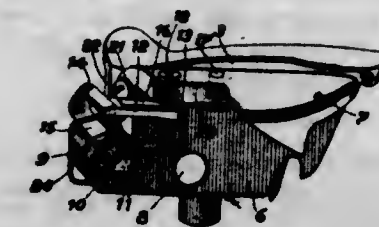
1. A process for working up mixed shavings of white metal and red metal, comprising heating the mixture to a temperature above the melting point of the white metal shavings but below the melting point of the red metal shavings, cooling the mixture slowly, subjecting the mixture during the cooling to a selective disintegration in which the brittle white metal particles are brought to a finer grain than the red metal particles, and separating the white metal particles from the red metal particles by mechanical methods.

1,739,993. MECHANISM FOR GUIDING TRAVELING WEBS. FRITZ TANDEL, Chemnitz, Germany, assignor to C. G. Haubold Aktiengesellschaft, Chemnitz, Germany, a Company of Germany. Filed Mar. 29, 1928, Serial No. 265,895, and in Germany Apr. 11, 1927. 11 Claims. (Cl. 26-87.)



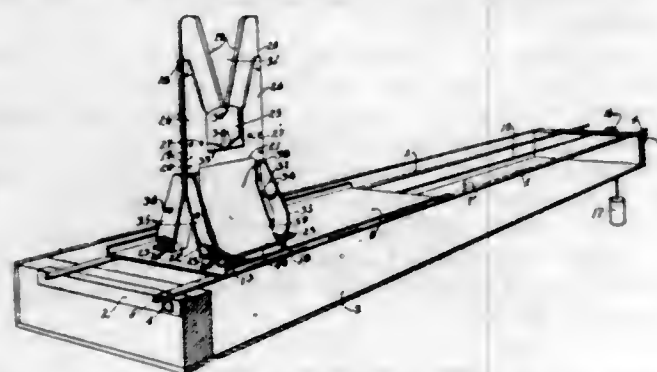
11. Guide mechanism for a traveling web comprising two swivelling pressure roll pairs disposed at respective edges of the web and adapted for maintaining a continuous bite on the web, stop rods normally active to limit forward swivelling of said roll pairs under the influence of the traveling web, piston devices in operative relation with said stop rods, fluid pressure controls for said pistons, and automatic edge detectors operative on said controls for admitting pressure fluid to said pistons whereby the latter become operative for advancing said stop rods and producing rearward swivelling of said roll pairs substantially as set forth.

1,739,994. AUTOMATICALLY-THREADING SHUTTLE FOR LOOMS. EMERSON B. TIFFT, Cohoes, N. Y., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 28, 1928. Serial No. 265,419. 8 Claims. (Cl. 139-217.)



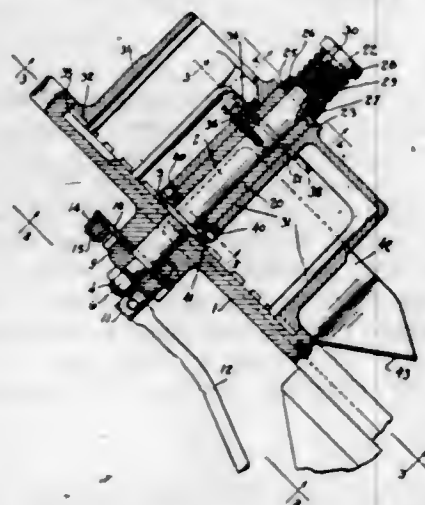
1. An automatically threading loom shuttle having a bobbin, a longitudinal thread passage and side delivery eye, and thread tensioning means comprising a pad extending upwardly and frontwardly from the bobbin chamber, a thread presser having a surface inclined downwardly from the top and one side of the thread passage and provided with a transversely extending presser foot which engages the upwardly and frontwardly extending portion of the pad and yielding means to cause the presser foot to hold the thread on the upwardly and frontwardly extending portion of the pad as it is withdrawn from the shuttle that the thread may be subjected to angular friction tension about the end of the bobbin in addition to the tension between the presser foot and pad.

1,739,995. FRUIT CUTTING AND PITTING MACHINE. JAMES TURNER, Campbell, Calif. Filed Dec. 24, 1927. Serial No. 242,321. 13 Claims. (Cl. 146—29.)



13. In combination with a drying tray, a support mounted thereover and shiftable relative thereto, a tray mounted on the support and shiftable relative thereto, and fruit cutting and pitting means mounted on the second tray and provided with means to deposit the cut fruit on the first tray.

1,739,996. HOPPER AND DRIVING MECHANISM. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 11, 1928. Serial No. 284,439. 10 Claims. (Cl. 218—12.)



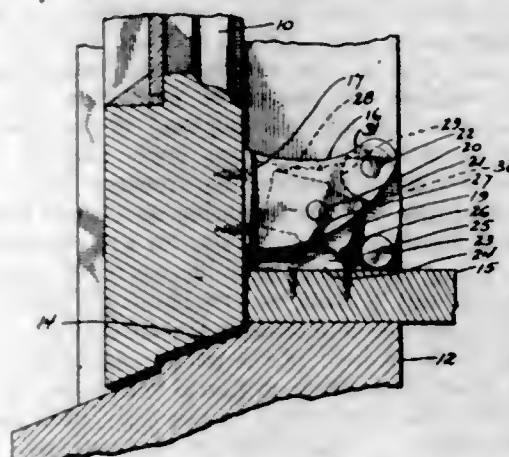
1. A hopper and drive construction for a button attaching machine or the like, comprising a support, a stud journaled in the support, means for rotating the stud, a hopper, hopper driving means associated with the stud, a friction driving connection between the stud and this means, and means for detachably securing the hopper to the said driving means which is arranged to permit attaching and detaching of the hopper independently of the friction driving connection.

1,739,997. TREAD. GEORGE E. WHITLOCK, Toledo, Ohio. Filed June 3, 1929. Serial No. 367,846. 3 Claims. (Cl. 280—169.)



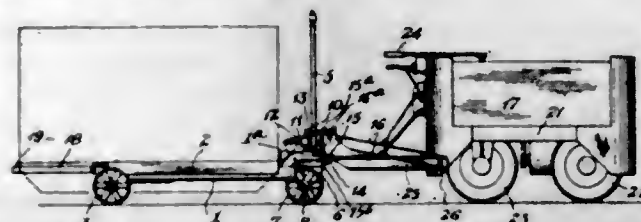
1. In a tread for running boards of automobiles, the running board having depending flanges, a sheet material forming a covered cushion for the top of the running board and having sheet metal embedded therein, the sheet metal having a protruding edge portion, a strip of decorative metal secured to the protruding edge of the sheet metal, the cushioned tread portion having an edge portion overlapping and resting upon the edge portions of the strip and the sheet metal to cover the same.

1,739,998. LATCH FOR AWNING-TYPE WINDOWS. ESMOND F. WILEY, San Francisco, Calif., assignor to Universal Window Company, Oakland, Calif., a Corporation of California. Filed Jan. 31, 1928. Serial No. 250,779. 6 Claims. (Cl. 292—234.)



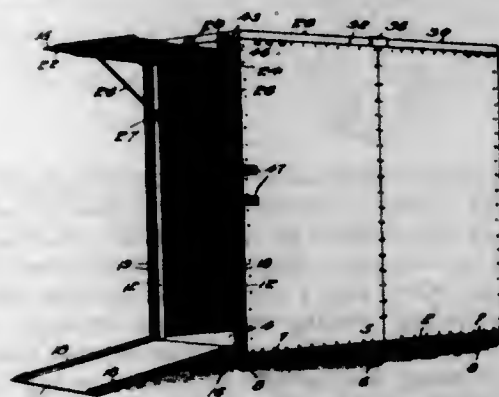
1. A latch for swinging windows comprising a keeper lug on the window frame, a pivotal latch bolt carried by the sash, a handle operatively associated with the latch bolt and capable of use to operate the window, said handle being adapted to be operated to maintain the latch bolt in engagement with the keeper lug.

1,739,999. HAND LIFT-PLATFORM TRUCK. JOHN RONALD WYLLIE, New Canaan, Conn., assignor to Andrews Crane Corporation, New York, N. Y., a Corporation of Delaware. Filed June 7, 1927. Serial No. 197,051. 4 Claims. (Cl. 280—33.2)



1. In a hand lift-platform truck, a frame tapering toward the rear, a lift-platform thereon, means for supporting the frame comprising intermediate load-supporting wheels and two or more casters spaced from the load-supporting wheels, one of said casters being near the end of the tapered portion of the frame, a handle universally connected with the front end of the frame, means for detachably connecting the handle with the lift-platform to operate the same, and coupling means connected with the front end of the frame.

1,740,000. SHIPPING CONTAINER. DONALD S. ANDREWS, Rumson, N. J., and JOHN RONALD WYLLIE, Glenbrook, Conn., assignors to Andrews Crane Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 18, 1928. Serial No. 247,595. 19 Claims. (Cl. 105—366.)

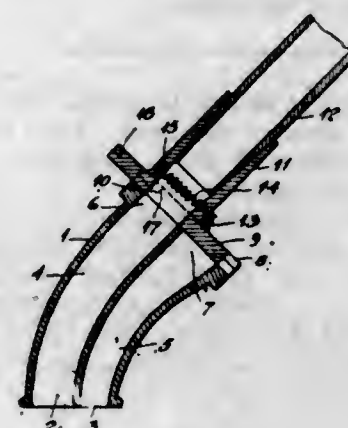


1. A shipping container having a door opening and outwardly opening channel members bounding a plurality of

edges of said door opening, overlapping door sections hinged respectively to the container at opposite sides of the door opening, aligning slots in the inner walls of opposed channel members, and a drain member secured to the inner face of one of the door sections near its free edge and parallel to the hinged joints and extending through said slots.

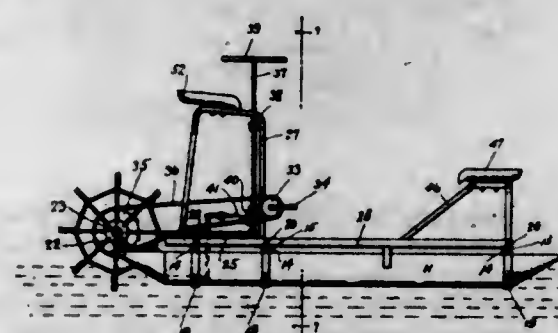
2. A shipping container having a two-part front door, the sections thereof being hinged respectively at the upper and lower edges of the door frame, co-operating means between the container frame and the edges of the door to provide a weather-proof joint, and co-operating means on the free edges of the doors to provide a weatherproof joint.

1,740,001. NOZZLE OF VACUUM CLEANERS. SVEN MANFRED CARLSTEDT, Stockholm, Sweden. Filed Apr. 11, 1927, Serial No. 182,900, and in Sweden Apr. 23, 1926. 3 Claims. (Cl. 15—155.)



1. In a vacuum cleaner, a nozzle provided with two suction passages of different cross sectional area, a suction pipe, and means movably mounting the suction pipe on the nozzle so that the suction pipe may be selectively moved into communication with either one of said suction passages.

1,740,002. TROLLING RAFT. HOWARD CHITTY, Mitchell, Ind. Filed May 18, 1929. Serial No. 364,045. 4 Claims. (Cl. 115—26.)

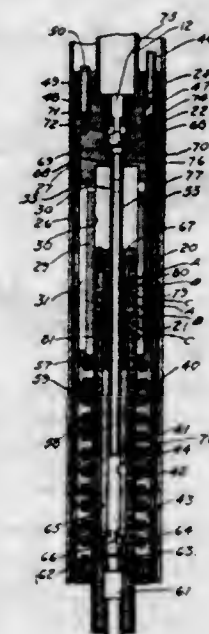


1. In a raft of the class described, a pair of pontoons, blocks on the pontoons, cross rods resting on said blocks, U-bolts holding said cross rods and the blocks assembled on the pontoons, each pontoon including a tube having a ridge board and a base board extending longitudinally thereof and a plurality of disks with notches to receive the boards, said disks extending transversely of the tubes one under each block.

1,740,003. ELECTRICALLY-DRIVEN OIL-WELL PUMP. CLARENCE J. COBBLEY, Los Angeles, Calif., assignor to Kobe, Inc., Los Angeles, Calif., a Corporation of California. Filed May 24, 1926. Serial No. 111,255. 10 Claims. (Cl. 103—53.)

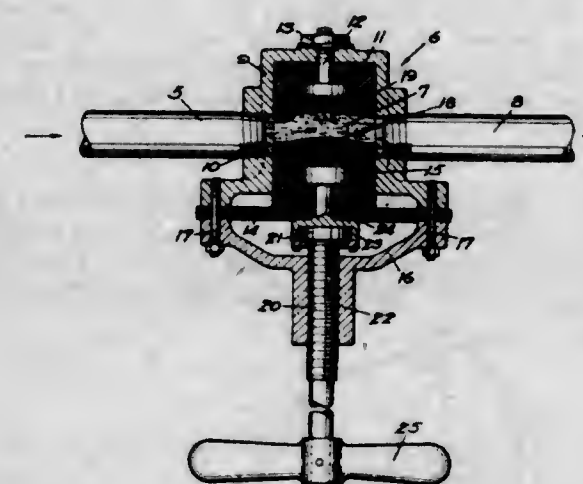
1. In a pump of the class described the combination of: a body; a stator stationarily supported in said body, said

stator having a central bore; a moving member adapted to be reciprocated in said bore, said moving member having a passage; a traveling valve for said passage, an upper quill carried by said body, and extended downward into



said passage of said moving member; a lower quill carried by said body, and extending upward into said passage of said moving member; and a standing valve at the lower end of said pump.

1,740,004. DIAPHRAGM VALVE. JOSEPH P. CROWLEY, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed June 29, 1925. Serial No. 40,129. 4 Claims. (Cl. 251—77.)

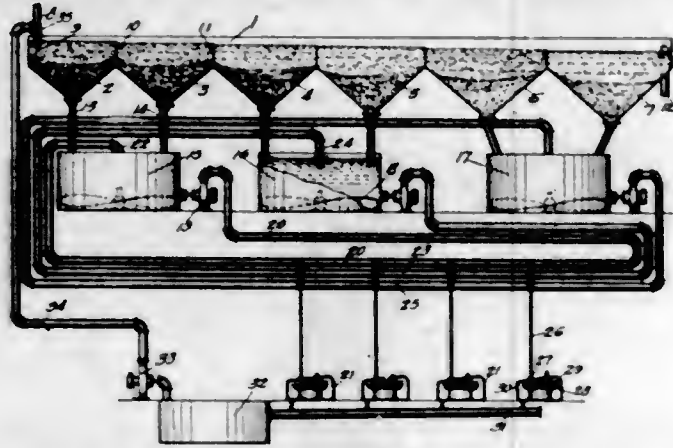


3. A valve of the character described, comprising a housing having a plurality of ports therein positioned intermediate the opposite ends thereof, a valve seat arranged within the housing at one side of the ports, and a diaphragm within the housing adapted to be positioned at the opposite side of said ports and adapted for cooperation with the seat and ports for controlling the effective opening of the latter.

1,740,005. GRINDING PLATE GLASS. JOSEPH P. CROWLEY, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 10, 1924. Serial No. 705,449. 5 Claims. (Cl. 51—278.)

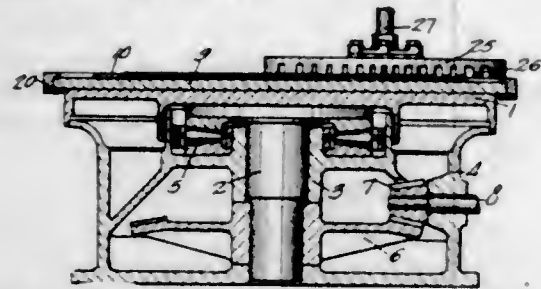
1. In the art of grinding plate glass, the process of rough-grinding the sheet with a mixture of crystalline gar-

net and silica-sand, the sand serving as a cushion to control the abrasive action of the garnet, and then smoothing the sheet with fine silica-sand, grading the mixture by a



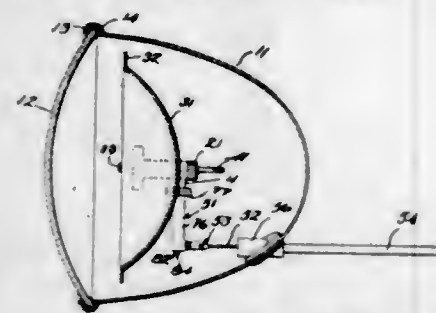
settling process, whereby the coarser grades contain most of the garnet, the grinding and smoothing abrasives both being obtained from the same continuous grading process.

1,740,006. APPARATUS FOR SURFACING SHEET GLASS. JOSEPH P. CROWLEY, Toledo, Ohio, assignor to Libbey-Owens Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 5, 1924. Serial No. 710,993. 4 Claims. (Cl. 51-240.)



1. In an apparatus for surfacing sheet glass, a round sheet-supporting table having a flat upper sheet-supporting surface, a plurality of clamping members movably mounted on the table top adjacent the edges of the sheet-supporting surface, a ring slidably mounted on the peripheral edge of the table, and a series of cams carried by the ring and bearing against the outer edges of the clamping members.

1,740,007. HEADLIGHT FOR MOTOR VEHICLES. JOHN V. CUNNIFF and JAMES A. DARSIE, Los Angeles, Calif.; said Darsie assignor to said Cuniff. Filed Feb. 8, 1928. Serial No. 252,737. 6 Claims. (Cl. 240-44.)



1. In a vehicle headlight, a housing, means for rigidly mounting said housing upon a vehicle, a concave shell, axially aligned pins pivotally supporting said shell, a reflector disposed within the concave portion of said shell, said reflector having a flange overlying the periphery of said shell, headed screws extending through apertures in the flange and threaded into said shell, a spring disposed upon each of said screws and under compression between said shell and reflector flange urging said reflector outward of said shell against the heads of the screws, a socket rigid with said shell and extending loosely through an aperture in said reflector, to support a lamp bulb adjacent the focal point of the reflector, and means for turning said shell about the axis of said pins.

1,740,008. HAT BLOCKING AND STEAMING ATTACHMENT. HYMAN DIENER, Washington, D. C. Filed Mar. 30, 1926. Serial No. 98,470. 13 Claims. (Cl. 223-26.)

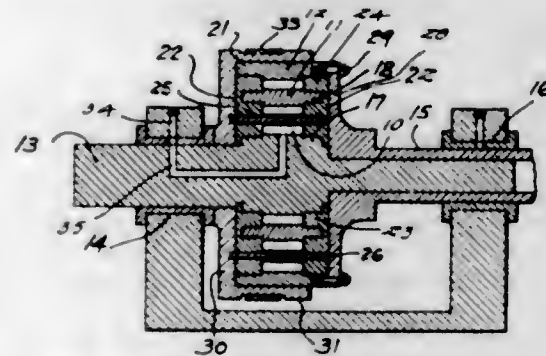


1. In a hat steaming device, a crown receiving member, a brim receiving member and a sweat band embracing member formed integral therewith and protecting said band against the action of the steam.

1,740,009. MANUFACTURE OF TOOLS OF TUNGSTEN. OSKAR DIENER, Breslau, Germany. Filed Mar. 20, 1928. Serial No. 263,209, and in Germany Jan. 19, 1928. 5 Claims. (Cl. 29-180.5.)

1. Process for the manufacture of tools from tungsten containing more than 3% of combined carbon, which comprises highly heating the powdered carbon-containing tungsten up to about 2000° C. and simultaneously forming it under a high reaction pressure up to about 150 to 200 kilos per square cm. so that the separation of the combined carbon is prevented.

1,740,010. PLANETARY TRANSMISSION. ELMER L. ENGELHARDT, Denver, Colo. Filed May 9, 1929. Serial No. 361,701. 5 Claims. (Cl. 74-35.)

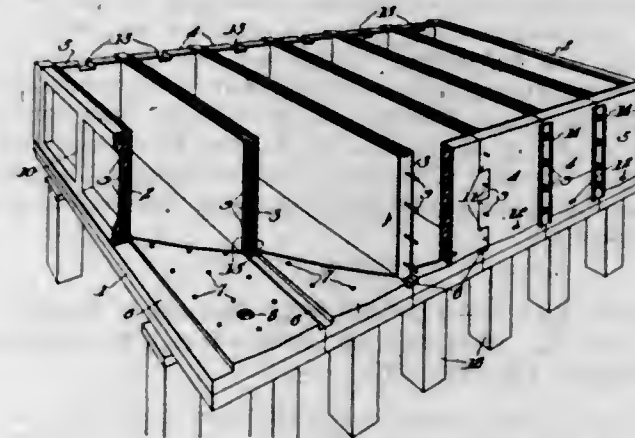


1. In a planetary transmission and in combination with concentric sun and orbit gears and an eccentrically disposed annular compound planet gear surrounding the sun gear and meshing with each of the sun and orbit gears, a pair of plates concentrically mounted with respect to the sun gear and a bearing on each of said plates and having engagement with said planet gear in a manner preventing displacement of the axis thereof with relation to the axis of the sun gear, and means preventing relative rotation of the plates, the peripheral edges of said plates abutting the inner faces of projecting flanges at the sides of the orbit gear.

1,740,011. CONCRETE TANK CONSTRUCTION. GEORGE C. EVANS, Perth Amboy, N. J. Filed Mar. 8, 1929. Serial No. 345,544. 3 Claims. (Cl. 72-13.)

1. A reinforced concrete tank construction comprising a base member, a plurality of side members and a plurality of end members, said base member having its upper surface provided with a plurality of longitudinal slots adapted to receive the lower edges of said side members, said side members being provided with a plurality of threaded rods projecting from each end thereof, and said end members

being provided on at least one lateral edge with rectangular lateral extensions adapted to fit into notches formed by corresponding lateral extensions on adjacent end members.



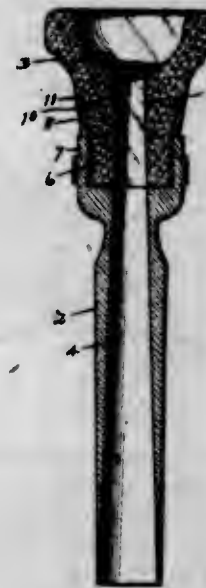
bers, said lateral extensions being provided with holes spaced to correspond to and adapted to receive the projecting threaded rods of said side members.

1,740,012. PROCESS OF BLEACHING FATTY ACIDS. ARNE GODAL, Vestre Aker, near Oslo, Norway. Filed Feb. 11, 1926, Serial No. 87,677, and in Norway Jan. 29, 1925. 3 Claims. (Cl. 87-12.)

1. Process of bleaching crude fatty acids of a marine origin practically free from precipitable proteids comprising the steps of dissolving the crude fatty acids in a volatile solvent, reacting upon the dissolved fatty acids with strong sulphuric acid for such a period of time and under such conditions of temperature as to produce a small proportion of sulphonated fatty acids, separating undissolved matter from the solution of fatty acids, and expelling the volatile solvent from the bleached fatty acids.

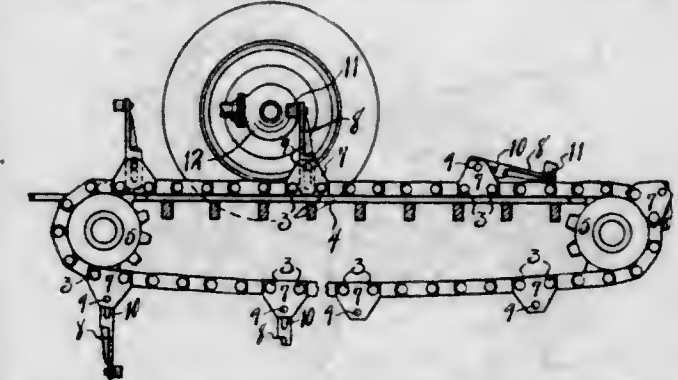
2. Process according to claim 1 in which the solution of fatty acid in volatile solvent is reacted upon with sulphuric acid at a temperature of between 10 and 20° C.

1,740,013. MOUTHPIECE FOR MUSICAL INSTRUMENTS. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Mar. 24, 1927. Serial No. 177,880. 4 Claims. (Cl. 84-398.)



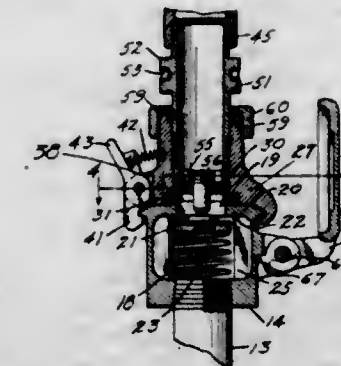
1. A mouthpiece for a wind musical instrument comprising a metal holder section provided with a socketed end portion, the latter being provided with a screw threaded bore and a smooth bore adjacent said threaded bore, and a cupped non-metallic mouthpiece section screwed into said holder socket and snugly fitting into the smooth bore portion of said holder socket.

1,740,014. VEHICLE PROPELLER FOR ENDLESS CONVEYERS. ALDA F. HAWKINS, Fort Worth, Tex. Filed Sept. 21, 1928. Serial No. 307,522. 6 Claims. (Cl. 104-172.)



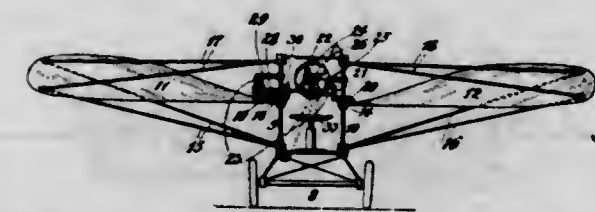
1. A propeller attached to a carrier chain for moving motor vehicles comprising a standard provided with means for engaging an axle of the vehicle, and means for adjustably connecting said standard to an endless conveyor for giving the standard swinging and sliding motion relative to the conveyor.

1,740,015. SPRINKLER VALVE. ALEXANDER C. HOOPER, Pasadena, and JAMES W. MCPHREE, Long Beach, Calif., assignors to The Snap Valve Corporation, a Corporation of California. Filed May 18, 1927. Serial No. 192,323. 5 Claims. (Cl. 284-18.)



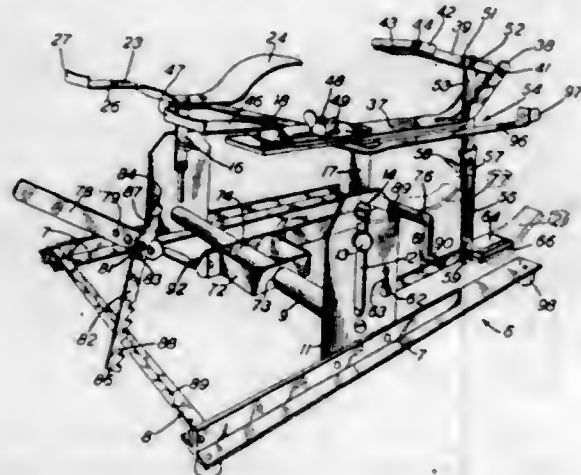
1. In combination with a connection-member having a port and a valve seating against said port for closing same, a sprinkler-unit comprising: a head-member adapted to fit against said connection-member, having a passage adapted to communicate with said port; a discharge-member adjustably carried by said head-member; and an engager carried by said discharge-member in said passage, said engager being adapted to engage and unseat said valve when said sprinkler unit is installed on said connection-member, the position of said engager being changed by adjusting said discharge member.

1,740,016. AEROPLANE. JERRY HÜBSCHMAN, Great Neck, N. Y. Filed Oct. 27, 1927. Serial No. 229,192. 2 Claims. (Cl. 244-29.)



1. An aeroplane comprising a frame, wings independently pivoted on opposite sides thereof, a wing operating wheel, operating connections between the wheel and one wing, reversible operating connections between the wheel and the other wing, and means for reversing the connections between the wheel and the latter wing, so that both wings may be moved together forward or backward, or independently forward or backward, or one forward and the other backward.

1,740,017. PIANO-PEDAL EXTENSION. CLARENCE E. HUNT, Monterey Park, Calif. Filed Mar. 20, 1929. Serial No. 348,450. 18 Claims. (Cl. 84-230.)



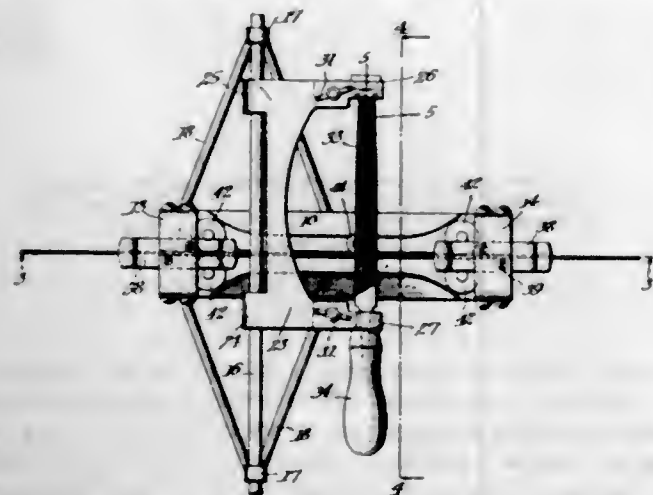
1. A piano pedal operating device comprising a frame, a lever pivoted thereto in position to engage a piano pedal, an auxiliary pedal pivoted to said frame above said lever, a link joining said lever and auxiliary pedal, and means for pressing said frame upon its supporting structure to hold the frame stationary in respect to the piano.

1,740,018. ENVELOPE OPENER. ANDREW M. JENSEN, Stockton, Calif. Filed July 26, 1927. Serial No. 208,514. 1 Claim. (Cl. 120-35.)



An envelope opener comprising a body having a longitudinal slot in one side and a longitudinal slit intermediate its ends cut through from the top of the body to one face of the slot, a rectangular cutter blade projecting angularly through said slit so that one end extends across the slot at an acute angle to the length thereof while the other end projects above the body, releasable clamping means preventing movement and removal of the blade, and a removable hood mounted on the top of the body to cover the projecting portion of the blade.

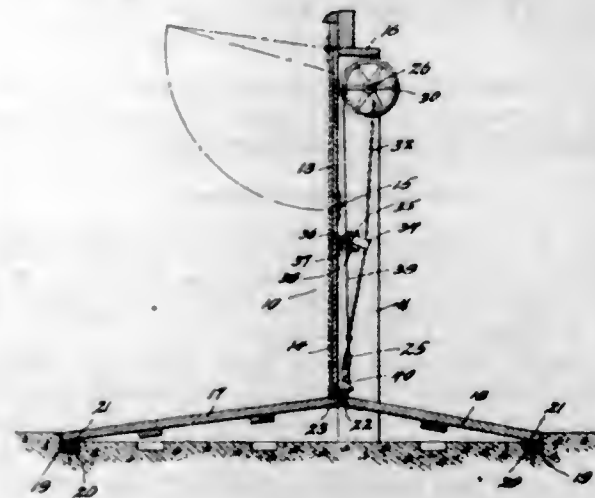
1,740,019. SAW-TOOTH-FILING DEVICE. LUTHER JETER, Louisville, Ky. Filed May 24, 1923. Serial No. 280,337. 2 Claims. (Cl. 76-31.)



1. In a saw filing device having longitudinally disposed spaced blocks arranged to receive a saw therebetween, members connecting said blocks, each of said members

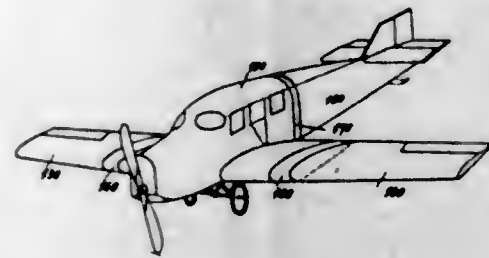
having a horizontal transverse portion above said blocks and depending end portions secured to the blocks, a stationary guide rod connected to said blocks and extending transversely thereof, a plate slidably connected to said rod, a file connected to said plate, means on the underside of the horizontal portions of said members and arranged to engage the top surface of the saw for supporting the filing device, revoluble means connected to the blocks and arranged to engage the sides of the saws for maintaining the latter firmly in position during the filing operation, and means mounted on one of the blocks adjacent the point of filing for additionally supporting the saw during the filing operation.

1,740,020. CLOSURE OPERATOR. ORVILLE C. JOHNSON, Aurora, Ill. Filed Dec. 29, 1928. Serial No. 329,136. 4 Claims. (Cl. 268-87.)



3. The combination of a vertically movable building closure for a doorway comprising horizontally hinged sections, a depressible platform for operating the same, a shaft extending across the upper portions of said doorway, pulleys fixedly mounted at either end of said shaft, flexible power elements winding upon said shaft and attached to said depressible platform, lifting cables winding upon the peripheries of said pulleys and attached to the lower portion of said building closure and tension means acting upon said shaft for cushioning the final movement of the door.

1,740,021. ASSEMBLING AND REPAIRING FLYING MACHINES. HUGO JUNKER, Dessau, Germany. Filed July 22, 1925. Serial No. 45,381, and in Germany Aug. 9, 1924. 6 Claims. (Cl. 244-1.)



1. An assembly unit for the construction and repair of flying machines comprising a stream-lined box-like part, means on said part for fixing the same to a flying machine to form a part thereof, and means for supporting said part in position above the ground.

1,740,022. TERRESTRIAL GLOBE. TORAO KAMEI, Tokyo-Shi, and FUKUTARO KUWATA, Tokyo-Fu, Japan. Filed Jan. 18, 1928. Serial No. 247,716. 1 Claim. (Cl. 35-5.)

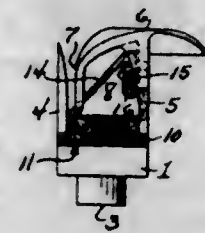
In a folding terrestrial globe, an endless rubber cord, a standard for a globe made of suitable material, such as

metal, celluloid or fibre, and having an arched globe holding arm and a base constituted by cross members, one of



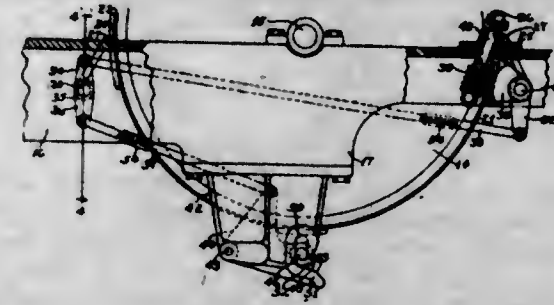
the cross members being detachable and held in position, when in use, by means of halving joint and the endless rubber cord.

1,740,023. SHUTTLE EYE. MICHAEL TH. KAZAMIAS, Lowell, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 20, 1928. Serial No. 255,765. 6 Claims. (Cl. 139-217.)



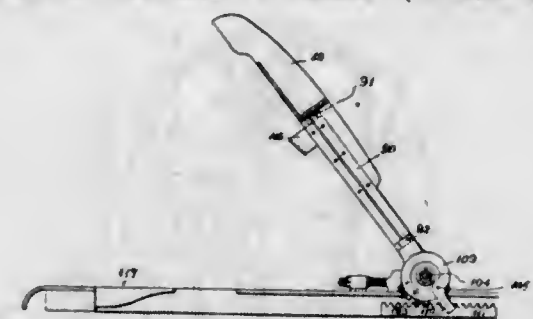
1. A loom shuttle having a longitudinal thread passage, a pad of yielding friction material in the thread passage, a thread presser constituted as an arm extending in a lateral and downward direction from the top of the thread passage and provided with a lateral presser foot for engagement with the pad of yielding friction material, and a spring acting upon the thread presser to cause the foot of the presser to hold the thread in contact with the yielding surface of the pad material.

1,740,024. DOUGH MOLDER. WILLIAM G. KIRCHHOFF, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 24, 1925. Serial No. 11,086. 10 Claims. (Cl. 107-9.)



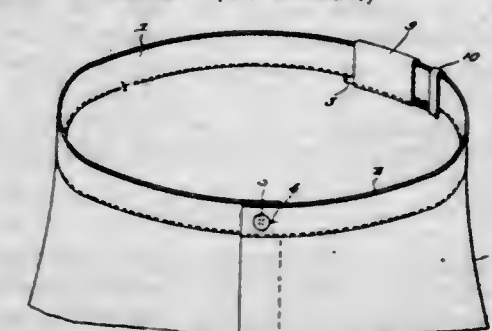
6. In a device of the class described the combination of a frame, a drum revolvably supported by the frame, a bracket mounted at each side of the frame, the brackets having aligned elongated slots, the slots extending substantially radially of the drum, the slots each having a mouth opening in a common direction and at one side of their respective brackets, a pressure board carrying a transversely extending shaft for entry through the mouths into the elongated slots in the brackets, means for retaining the shaft within the slots, and means for moving the retaining means lengthwise of the slot for moving the pressure board toward and away from the drum.

1,740,025. HOOD FOR AUTOMOBILES AND OTHER VEHICLES. FELIX JOHN LEATHER, London, England. Filed Nov. 8, 1926, Serial No. 147,123, and in Great Britain Nov. 16, 1925. 7 Claims. (Cl. 296-105.)



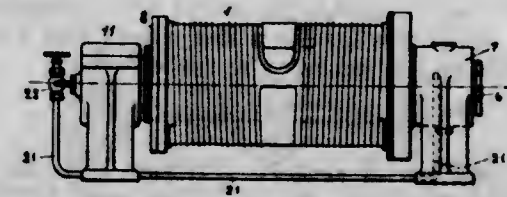
1. A hood construction comprising cant rails, hood sticks supported by said rails with which arm members are operatively associated, a peak mounted on said members which are joined thereto by a universal type joint.

1,740,026. GARMENT SUPPORTER. FLORIAN LEVI, Lake Charles, La. Filed Oct. 11, 1928. Serial No. 311,880. 1 Claim. (Cl. 2-237.)



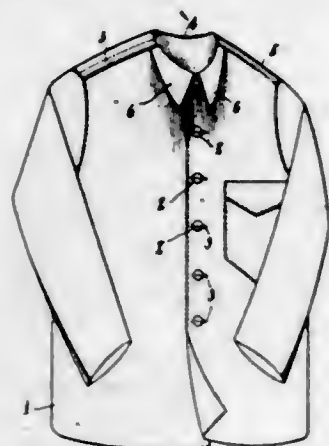
In a waist supported garment of the character described, a waist band secured to the garment throughout a major part of its length, said waist band comprising a pair of sections each adapted to be secured to the edge of the waist portion of the garment to extend along the edge of the garment, a button carried by one end of one of said waist band sections, a button hole formed in the adjacent end of the other section of the waist band, a loop member connecting the opposite ends of the waist band sections, and said waist portion of the garment adjacent said last mentioned ends of the waist band sections being provided with a cut out portion, adjusting means for the waist band sections, and a sleeve of fabric secured to the waist portion of the garment at its cut out portion, and said sleeve being adapted to receive the said last mentioned ends of the band sections to completely conceal the looped connection between said ends of the sections.

1,740,027. BRAKE DEVICE FOR LIFEBOATS. ROMOLO LIBANI, Genoa, Italy. Filed Sept. 7, 1927, Serial No. 218,058, and in Italy July 7, 1927. 2 Claims. (Cl. 188-97.)



1. A brake device of the class described comprising a hollow rotatable drum, means for supporting each end of the drum, one of said supporting means including a fixed hollow cylinder extending into said drum, a piston, means on said piston to permit axial movement thereof in the drum and prevent relative rotation of the piston and drum, a threaded rod secured to said piston, and threaded means on the interior of said cylinder cooperating with said threaded rod to cause axial displacement of said piston when the drum is rotated.

1,740,028. SLEEPING GARMENT. PHILIP A. LUCKETT, Norwalk, Conn. Filed Apr. 24, 1929. Serial No. 357,764. 2 Claims. (Cl. 2-14.)



1. A washable garment of the class described comprising a back and a front, and having a neck opening and sleeve openings, and shoulder seams connecting the back with the front between the neck and sleeve openings, the front having an opening extending from the neck opening to provide closing flaps, and collar members at the front only of the garment, said members being similarly shaped and each secured to the front at one side of the collar opening and terminating at its rear end at the shoulder seam and symmetrically arranged with respect to each other.

1,740,029. METHOD OF AND APPARATUS FOR PRODUCING INNER TUBES OR OTHER ARTICLES. CHARLES S. MOONEY, Carlisle, Pa. Filed Oct. 15, 1927. Serial No. 226,410. 22 Claims. (Cl. 18-14.)

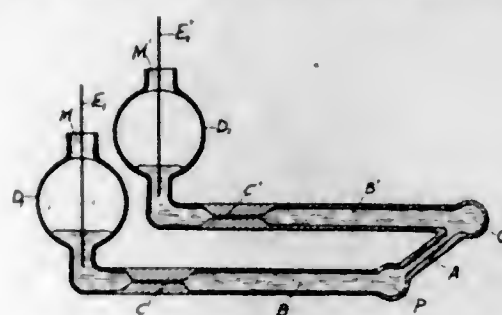


11. Means for forming tubular rubber articles including an extruder, a conduit inclined away from the extruder and into which the extruder discharges, manually controllable means for discharging jets of cold water into the upper end of the trough to thereby cause a flow of water down the bottom of the trough and upon which the article may rest, and means for discharging cold water upon the rubber article during its passage down the trough including a plurality of series of jets discharging downward onto the upper surface of the rubber article, certain of the jets being discharged at an acute angle to the rubber article and toward the lower end of the trough to thereby assist in carrying the rubber article away from the extruder, and means for controlling the amount of water flowing down the trough and the force of impact of the jets against the rubber article.

1,740,030. MERCURY LAMP. HANTARO NAGAOKA, Ueno, Tokyo, TSUNESABURO ASADA, Komagome, Tokyo, and TOSHIO MACHIDA, Kojimachi-Kn, Tokyo, Japan, assignors to Zaidan Hojin Rikagaku Kenkyujo, Kamagome, Tokyo, Japan. Filed July 8, 1925. Serial No. 42,286. 3 Claims. (Cl. 176-42.)

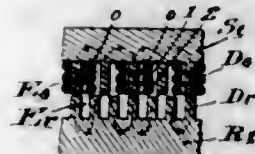
1. A mercury lamp comprising a substantially horizontal U-shaped tube in which the positive and negative lead-in members are electrically connected with an electrode of mercury, in the midway of which the lighting portion is provided, a capillary part being also provided between each of the lead-in members and the lighting portion to

automatically adjust the mercury vapour in the lighting portion, the ends of the lighting portion being expanded to make a larger space, the ends of the horizontal arms



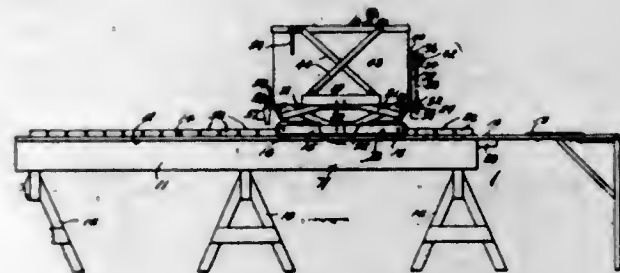
of said U-shaped tube being expanded to form larger spaces for receiving lead-in members therein, substantially as shown and described.

1,740,031. DYNAMO-ELECTRIC MACHINE. NIKOLAI OBOUKHOFF, Harbin, China. Filed Dec. 5, 1923, Serial No. 679,632, and in France Mar. 14, 1923. 4 Claims. (Cl. 171-252.)



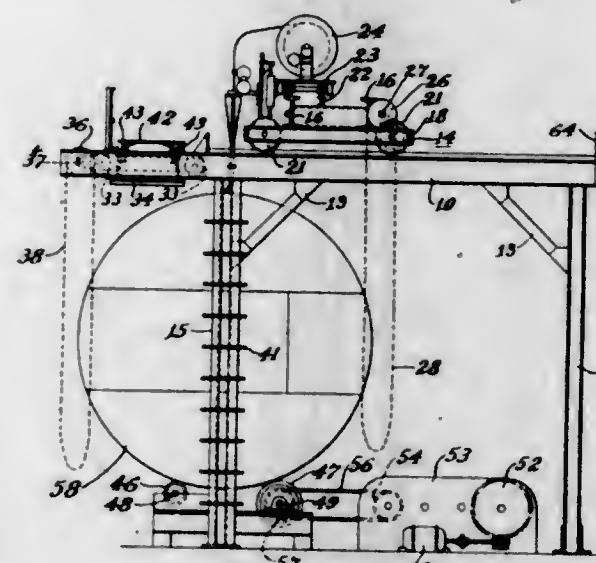
1. A dynamo-electric machine comprising rotor and stator elements each provided with tooth projections and intervening slots, and a magnetizing winding on one of said elements forming poles around its periphery, the magnetic circuits of which are completed through the other element, the widths and spacing of the tooth projections on the respective elements being such that the reluctance of the magnetic circuits varies from maximum to minimum for a movement of the rotor a distance not greater than one-half of the tooth width of the unwound element.

1,740,032. RECEPTACLE-FILLING MACHINE. FELIX PHIL PECARD, Lena, Wis. Filed Nov. 30, 1926. Serial No. 151,657. 1 Claim. (Cl. 226-94.)



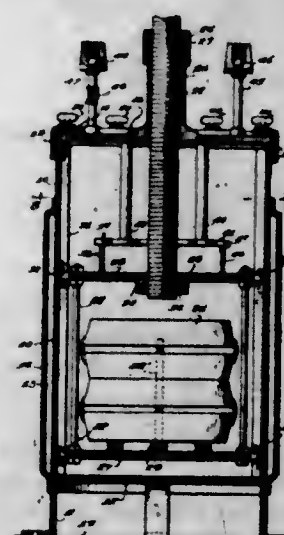
A machine for filling containers, comprising a support for receiving successive tiers of receptacles in longitudinal and transverse rows, longitudinally extending tracks located on opposite sides of said support, a truck having wheels adapted to travel upon said tracks, a tank located above said truck and having a plurality of means for simultaneously filling transverse rows of receptacles, elevating mechanism for said tank located adjacent opposite sides of said truck, each elevating mechanism consisting of a pair of downwardly extending levers having their lower ends pivoted to said truck, a pair of reversely threaded nuts pivotally mounted on the upper ends of said levers, rigid arms projecting from said first mentioned levers, a pair of upwardly extending levers having their upper ends pivotally joined to said tank and having their lower ends pivoted to said arms, a screw having reversely threaded portions cooperating with said nuts, and means for simultaneously operating both screws.

1,740,033. METHOD AND APPARATUS FOR CONSTRUCTING CYLINDRICAL TANKS. CHARLES C. PINCKNEY, Birmingham, Ala., assignor to Birmingham Tank Company, a Corporation of Delaware. Filed Aug. 5, 1927. Serial No. 210,967. 13 Claims. (Cl. 113-59.)



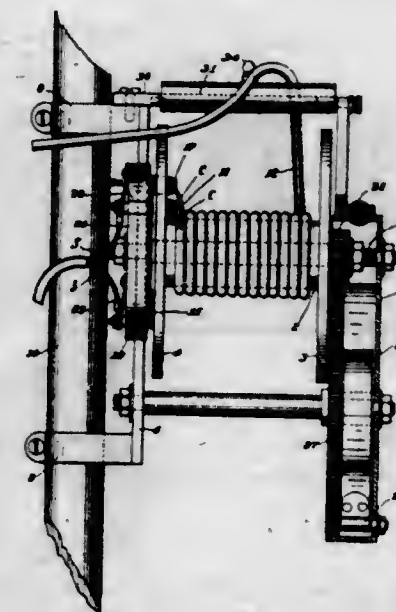
1. Apparatus for constructing cylindrical tanks comprising framework including upright and transverse members, longitudinal members carried by the framework, suitable welding apparatus supported by the framework, means for moving the welding apparatus longitudinally and transversely of the framework, and means for rotatably holding a tank to be welded in juxtaposition with the longitudinal members.

1,740,034. VULCANIZER. WILLIAM M. POST, Hood River, Oreg. Filed July 30, 1927. Serial No. 209,476. 6 Claims. (Cl. 18-2.)



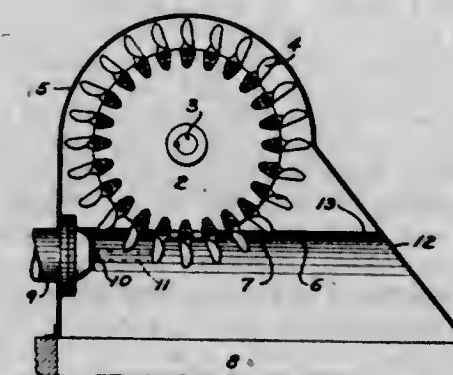
1. A device of the character described comprising a vertical casing, a cradle arranged in said casing and including an upper relatively narrow plate, a substantially circular lower plate spaced therefrom and adapted to support flasks thereon, and a pair of rods connecting said plates and passing through the end portions of said upper plate, means for elevating said cradle, a plurality of depending pins secured at their upper ends to the top of said casing, a rod having an opening in its upper end to frictionally receive each of said pins, and plates carried by the lower ends of said rods and adapted to contact with the uppermost flask to effect a clamping action thereagainst when said cradle is elevated.

1,740,035. HOLDER FOR ELECTRIC CONDUCTORS. ALFIO RAPISARDI, Boston, Mass. Filed Feb. 6, 1924. Serial No. 690,977. 1 Claim. (Cl. 173-367.)



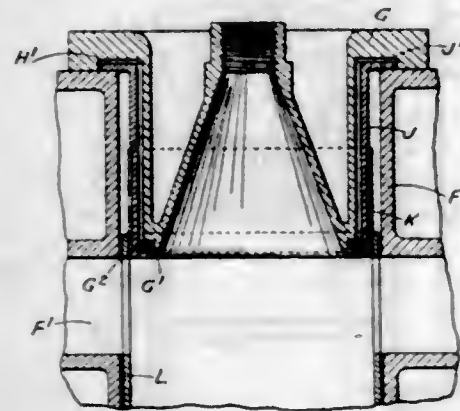
A cord holder for portable electric apparatus comprising, in combination, a supporting bracket, a reel, an electric conductor cord wound on said reel, a stationary shaft supported by said bracket and supporting said reel, said cord including two parallel conductors, two slip rings mounted on one end of said reel in co-axial relationship to the reel, a member secured to said shaft, two stationary contacts supported by said member and engaging, respectively, with said rings, two service conductors leading, respectively, from said contacts, a pinion rotating with said reel, a second shaft supported in said bracket, a gear mounted on said second shaft, a coiled spring encircling said second shaft, a casing for said gears and spring, one end of said spring being secured to said casing and the other end to said gear, means for securing said bracket to said apparatus, and a device adjustable manually and independently of the cord for locking said cord when desired against the winding action of said reel.

1,740,036. HYDRAULIC TURBINE. WILLIAM J. RHEINGANS, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Mar. 2, 1928. Serial No. 258,569. 10 Claims. (Cl. 253-136.)



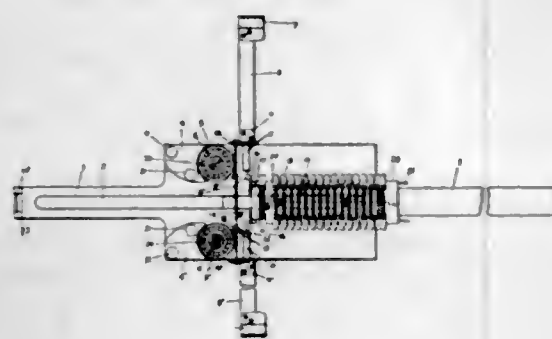
1. In combination, a rotor, a nozzle for directing a jet of fluid against said rotor, and a deflector extending along the jet substantially parallel to the axis thereof and in close proximity to a side of said rotor between the rotor axis and the jet axis, said deflector being curved to deliver fluid impinging thereagainst away from said rotor.

1,740,037. PACKING RING FOR THE VALVES OR OTHER RECIPROCATING PARTS OF FLUID-PRESSURE ENGINES. HARRY RALPH RICARDO, London, England. Filed Apr. 11, 1927, Serial No. 182,885, and in Great Britain May 28, 1926. 4 Claims. (Cl. 74-109.)



1. In a fluid pressure engine, the combination with a cylinder, of a cylinder head of cylindrical shape extending into one end of said cylinder, a reciprocating sleeve disposed between said cylinder and cylinder head and a junk ring of relatively hard metal mounted on said cylinder head, said ring being provided with a facing of bearing metal having a forced fit within said sleeve, and adapted to bed down to a working clearance on running the engine.

1,740,038. WIRE-WORKING MACHINE. OTTO F. ROHWEDDER, Davenport, Iowa. Filed Jan. 26, 1928, Serial No. 249,611. Renewed Aug. 26, 1929. 24 Claims. (Cl. 140-105.)

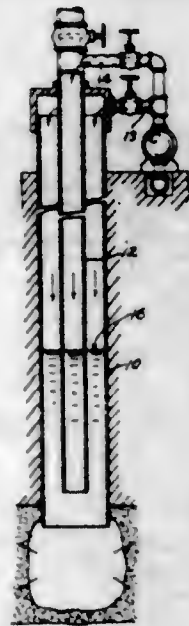


1. A crimping machine for wire and small bars or bands, comprising a support, a stationary crimping plate secured thereto and having an indented edge, a series of crimping levers pivotally mounted on said support adjacent said indented edge and having ends corresponding to and slightly smaller than the indentations of the plate, said levers being spaced the same as the indentations of said plate, means for holding the material to be crimped adjacent the indented edge of the crimping plate, and means for successively actuating the crimping levers into the corresponding indentations of the crimping plate against said material to crimp the same.

1,740,039. SOAKING METHOD FOR INITIATING GAS LIFT IN OIL WELLS. ALBERT C. RUMEL, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,686. 9 Claims. (Cl. 102-282.)

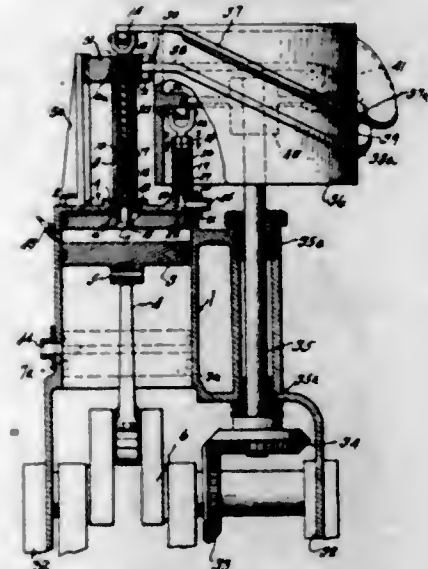
1. In a method for initiating gas lift in oil wells comprising a casing element and a tubing element dependent

therein wherein the hydrostatic head of an oil body collected in the well is greater than the available gas pressure, the steps comprising applying said gas pressure to the oil surface to force as much as possible of the oil



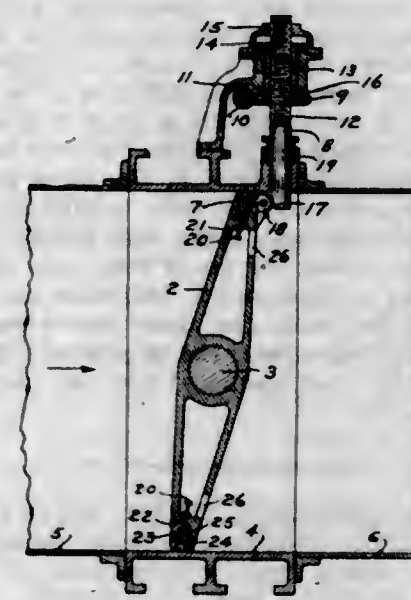
back into the formation and maintaining the pressure of the gas on the oil to increase absorption of the gas by the oil, said pressure being maintained for a considerable time, and then releasing the pressure in one of said elements.

1,740,040. INTERNAL-COMBUSTION ENGINE. PAUL SAPIENZA, Detroit, Mich. Filed Mar. 21, 1927. Serial No. 176,961. 18 Claims. (Cl. 123-66.)



1. In an internal combustion engine, the combination of a cylinder having one end open and a piston and a plunger therein, a connecting rod pivotally secured to said piston and extending through the open end of said cylinder, the closed end of said cylinder having a substantially central passage therethrough, another rod on said plunger extending through said passage, said other rod and plunger having a substantially axial opening therethrough, a plunger valve adapted to seat at the plunger end of said opening, a stem on said valve extending into said opening, said plunger rod having a substantially radial opening therein connecting the substantially axial opening with the interior of the cylinder above the plunger, a spark plug extending into said cylinder towards its closed end, said cylinder having an exhaust port towards its open end and an inlet port in its closed end, a valve controlling the inlet port, a cam adapted to reciprocate said plunger rod and plunger, a second cam adapted to move said plunger valve off its seat, a third cam adapted to move said inlet valve off its seat and means for rotating said cams.

1,740,041. VALVE. FRANZ SCHMIDT, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed May 24, 1926. Serial No. 111,194. 5 Claims. (Cl. 251-11.)



1. In combination, a casing, a valve disk swingable about an axis extending across said casing and having a peripheral recess opening away from the axis of said disk, a soft rubber seating disposed within said recess and co-operable with the interior of said casing, a U-shaped metal backing coacting with the interior of said seating within said recess, and means adjustably associated with said disk and coacting directly with said metal backing for urging said seating outwardly against said casing.

1,740,042. COVER HOLDER FOR COOKING UTENSILS. WILLIAM H. SCHMIDT, St. Paul, Minn. Filed Nov. 25, 1927. Serial No. 285,516. 1 Claim. (Cl. 58-8.)

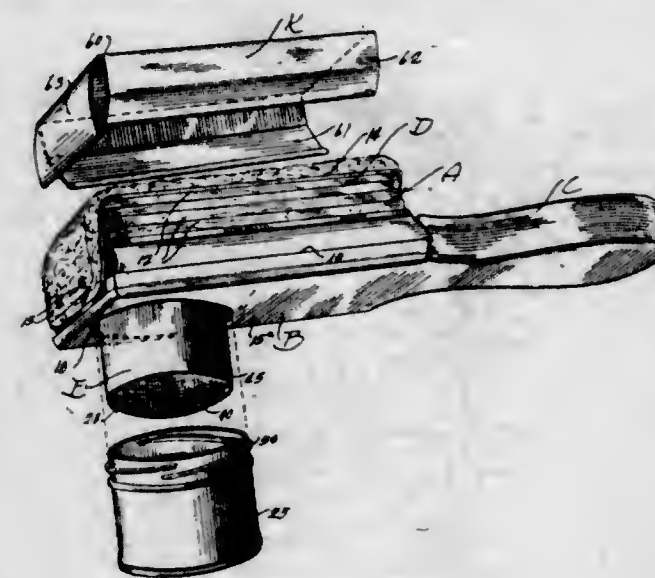


In a cover of the class described, for a cooking utensil with a perimetral bead at its opening, said cover formed with a front arcuate bead engaging flange comprising a portion of the cover metal bent downwardly thence inwardly, a handle hinged on said cover diametrically opposite said front flange part, said handle comprising a plate hinged transversely on top of the cover inwardly of its perimeter, an integral handle extending from said plate opposite its hinged part, bead engaging flanges formed of the rear part of said plate one at each side of its handle, each of said latter flanges being bent downwardly and thence inwardly in such spaced relation to the said front flange to cause said pair of flanges to frictionally engage the bead of the utensil when the front flange is engaged by the front part of the cover and when said handle is swung outwardly and down toward a common plane with the cover.

1,740,043. SHOE POLISHER AND SHOE-POLISH STICK. NORMAN C. SHATZER, Zullinger, Pa. Filed Sept. 17, 1927. Serial No. 220,188. 6 Claims. (Cl. 15-108.)

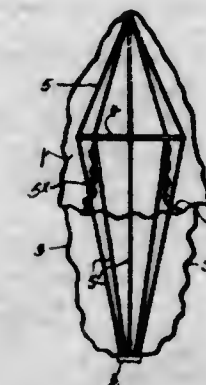
1. In a device of the class described a support having a recess therein, a receptacle embedded in the recess, a

supporting feed block in the receptacle affixed to the back and to the receptacle and extending from the receptacle in a projecting relation, a tube for slidable frictional en-



gagement on the block with the latter disposed therein, and polish material in the tube against which the block may operate to feed the polish material from the tube as the tube is slipped onto the block.

1,740,044. PARACHUTE. GEORGE M. SIMMONS, Cohay, Miss. Filed Jan. 25, 1928. Serial No. 249,418. 2 Claims. (Cl. 244-21.)

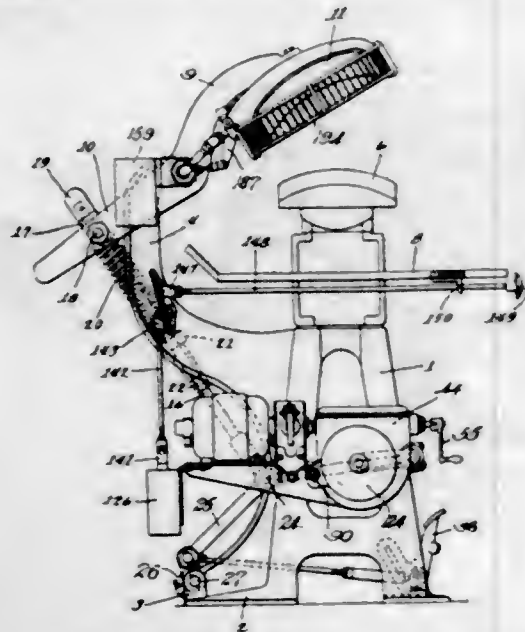


2. In a parachute the combination with the canopy supporting a suspension member, of a hoop interdisposed between the suspension member and the apex of the canopy, the suspension of the hoop being disposed within the canopy when said canopy is in a collapsed state, and cords in pre-disposed relation one to the other about the hoop and extending to the rim of the canopy, said cords in coaction with the hoop adapted to retain the canopy in pre-disposed relationship with the hoop.

1,740,045. POWER-OPERATED PRESSING MACHINE. JOHN P. SINGMASTER, Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 26, 1928. Serial No. 653,931. 9 Claims. (Cl. 68-9.)

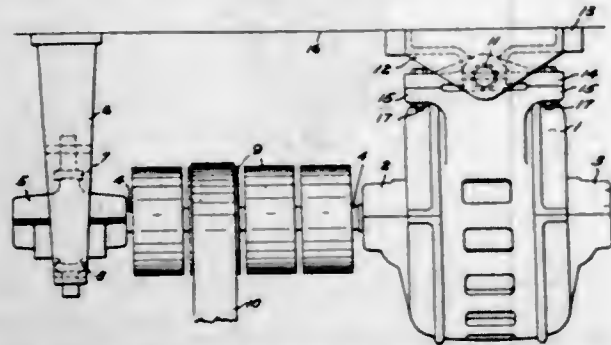
1. In a garment press, a frame, a stationary pressing member, a movable pressing member, power means effective upon said movable pressing member, a circuit to said power means, a time switch in said circuit and controlled by said power means, a selective control in said circuit for operation by the operator, and an emergency switch also arranged in said circuit and having an operator oper-

ated part close to and co-extensive with the front margin of the upper pressing member and extending below the same and outside of the margin of the lower pressing member.



2. A garment pressing machine, comprising a frame, relatively movable pressing members, means including a pair of toggle members and adapted when actuated to effect engagement and disengagement of said pressing members and the production of ironing pressure therebetween, means for actuating said first named means, a link pivoted to said frame and to one of said toggle members and adapted for emergency actuation to effect disengagement of said pressing members, said link remaining inactive during normal operation of said first named means, and means for actuating said link.

1,740,046. POWER-TRANSMITTING MECHANISM. CHARLES W. STEEN, Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 16, 1920. Serial No. 375,112. 17 Claims. (Cl. 308-72.)



1. In combination, a motor having two bearings for its rotor shaft, a relatively fixed third bearing for an extension of said shaft, power transmitting means on said extension tending to bend said shaft transversely, and means for swingably mounting said motor on an axis transverse to said shaft.

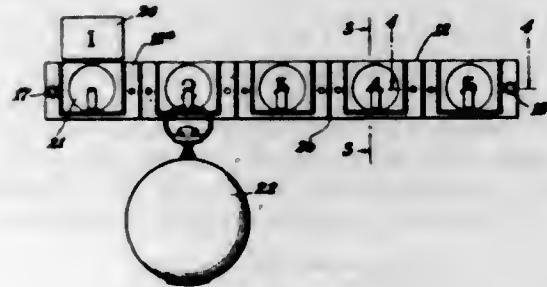
1,740,047. SHIELD BUCKLE. ROBERT M. SWINDLER, Ottawa, Kans., assignor of one-half to William T. Ure, Florence, Kans. Filed Sept. 15, 1928. Serial No. 306,210. 1 Claim. (Cl. 24-180.)



In a device of the class described, a base member provided with a stud, the base member being supplied at one

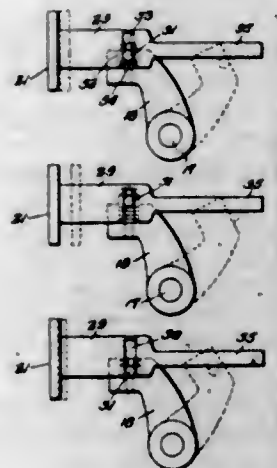
end with a loop and being provided at its opposite end with approximately parallel arms having inwardly extended fingers terminating in overhanging keepers which extend toward each other, the keepers being located in a plane approximately parallel to the plane in which the extensions are located, a guard mounted at one end to swing on the loop, the guard cooperating with the stud in holding a strap, the guard being provided at its free end with inwardly extended flanges, a stiffening plate secured upon the flanges, and a stiffening plate secured to the under side of the guard, there being a space between the plates, the stiffening plates having registering openings, a latch mounted to slide in the space between the plates, the latch including a body located at the inner end of the latch, the body being wide enough so that it extends entirely across the guard from side to side, the latch comprising a head and a reduced neck connecting the head with the body, the inner transverse edges of the head forming shoulders, the fingers and the keepers extending through the openings, and the shoulders engaging the keepers.

1,740,048. KEY-RETAINER STRIP. REUEL H. THAYER, Hollywood, Calif., assignor to Thayer Telke Corporation, San Francisco, Calif., a Corporation of California. Filed June 30, 1927. Serial No. 202,491. 7 Claims. (Cl. 40-19.5.)



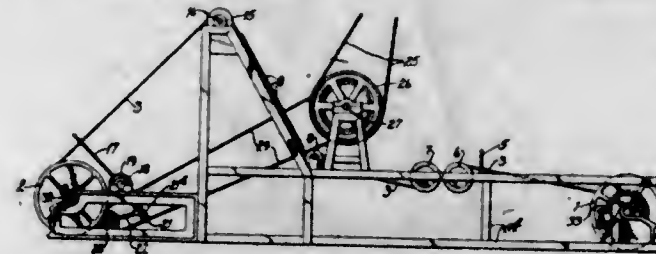
1. In a key retainer of the class described a unitary strip comprising a series of separable unitary hooks and cooperating identifying card receiving portions adjacent thereto and integral therewith.

1,740,049. DOUGH DIVIDER. FRANK H. VAN HOUTEN, Beacon, N. Y., assignor to Dutchess Tool Company, Beacon, N. Y., a Corporation of New York. Filed Dec. 21, 1927. Serial No. 241,592. 5 Claims. (Cl. 107-15.)



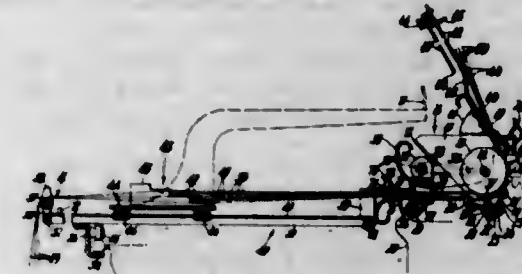
1. In a dough divider, a dividing head having a series of pockets therein, a plunger slidable in each pocket, a recess in each plunger, an operating shaft, a crank for each plunger on said shaft, a pin on each crank engaging in the recess in the corresponding plunger, and means for adjusting said pins toward and from the axis of said shaft.

1,740,050. APPARATUS FOR AND METHOD OF CLOSING AND STRAIGHTENING TIRE-BEAD TAPE. WILLIAM E. VAN LUE, Niles, Mich., assignor to National Standard Company, Niles, Mich., a Corporation of Michigan. Filed Mar. 20, 1928. Serial No. 264,592. 7 Claims. (Cl. 140-107.)



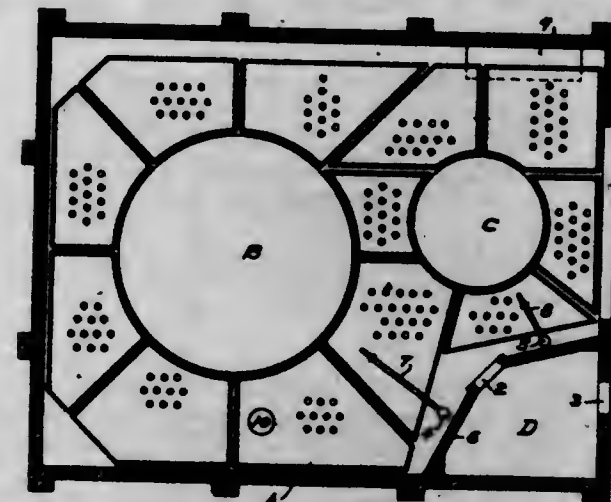
1. The process of closing a flat tape of the character described consisting of giving the tape a series of alternate opposed lateral bends in its own plane.

1,740,051. TYPEWRITING MACHINE. JOHN WALDHIM, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 29, 1923. Serial No. 659,913. 2 Claims. (Cl. 197-126.)



1. A gage-device for a continuous billing typewriting machine of the class described having a platen-frame, a platen, and a paper-table fixed on said platen-frame at the delivery side of said platen, including an upwardly-extending gage-bar fastened on said paper-table, an upper transverse gage adjustable along said gage-bar and projecting forwardly therefrom, and a lower gage consisting of the lower end of a bar, which bar is fastened to said upper gage and extends downwardly along said gage-bar and parallel thereto a short distance to one side and in the rear thereof, whereby the leading end of a work-piece in said machine may be first gaged by the lower gage and thereafter be conveniently advanced past said lower gage to be gaged by the upper gage.

1,740,052. HYDRAULIC CASTING-WASHING APPARATUS. WILLIAM WATSON, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Aug. 20, 1926. Serial No. 130,427. 8 Claims. (Cl. 141-1.)



1. In a hydraulic washer for castings, means for supporting a casting during washing, and means comprising

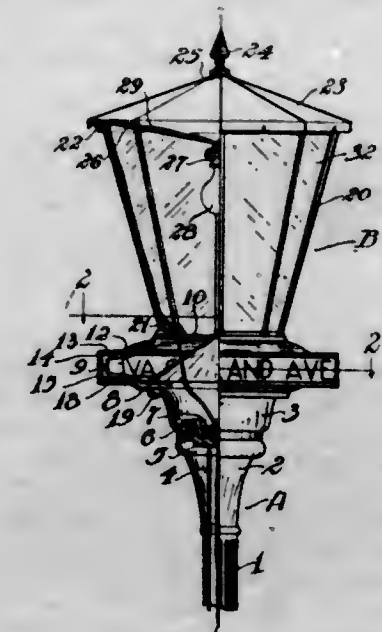
a plurality of sections each having means for collecting fine material separately from coarse material washed from the casting and from said supporting means, said collecting means substantially covering the adjacent floor space surrounding said supporting means and the sections thereof being independently removable.

1,740,053. WELDED JOINT. WILLIAM G. WEHR, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a Corporation of Ohio. Filed Mar. 10, 1927. Serial No. 174,289. 12 Claims. (Cl. 189-37.)



1. A box girder or similar structural element having face plates and spaced web plates between said face plates and united along their edges to the inner sides of said face plates inwardly of the edges of the face plates by welding, and longitudinally extending reinforcing bars lying in the external angles between said plates and welded to the adjacent faces thereof.

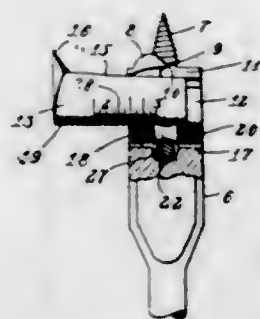
1,740,054. LAMP-POST WITH ILLUMINATED STREET SIGNS. THEODOR R. WILLWERSCHIED, St. Paul, Minn. Filed May 25, 1925. Serial No. 32,619. 3 Claims. (Cl. 40-131.)



1. A lighting device of the character described, comprising a base, a plurality of radially diverging brackets connected thereto, a sheet metal covering above and below said brackets provided with channels in the outer edges thereof, transparent sign means inserted in said channels

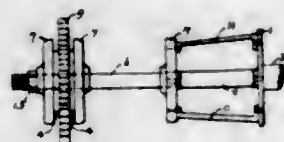
to have the edges gripped thereby, a support member connected to the upper portion of said brackets and having an opening therein, a transparent housing mounted on said support member, illuminating means mounted in said housing to direct a portion of the rays from the illuminating means through the opening in the support member, and convex deflecting means mounted below the opening in the support member to deflect illuminating rays passing through the opening in the support member radially outward through the transparency.

1,740,055. EXPANSIVE BIT. JOHN HERBERT ABRAMSON, Rockford, Ill., assignor to Greenlee Bros. & Co., Rockford, Ill., a Corporation of Illinois. Filed Mar. 12, 1928. Serial No. 260,850. 8 Claims. (Cl. 145-127.)



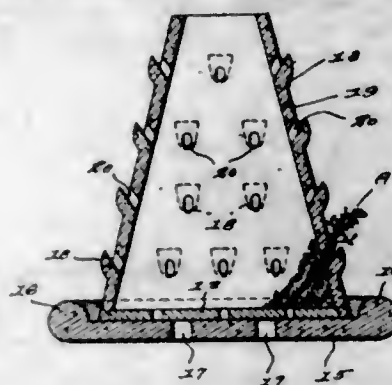
1. In an expansive bit, a head having a transverse guideway extending substantially centrally therethrough at the boring end thereof and having a hole extending therethrough parallel with the guideway and intersecting the same, an adjustable blade slidably received in said guideway, one edge of said blade being serrated to provide threads, an adjusting screw in said hole engaging the threads on the edge of said blade, and a single means for preventing endwise movement of said screw and arranged to clamp the screw with the blade in adjusted position.

1,740,056. AUXILIARY DRIVING ATTACHMENT FOR VEHICLES. MAURICE J. AUGUST, Philadelphia, Pa. Filed Nov. 9, 1926. Serial No. 147,277. 2 Claims. (Cl. 74-106.)



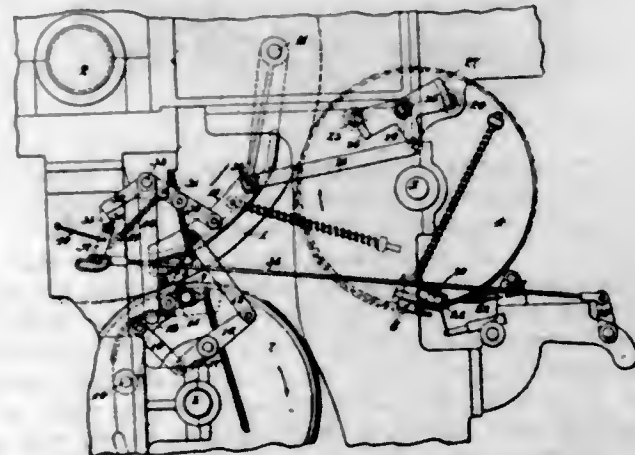
1. An attachment for use in combination with the wheel of an automobile the said attachment consisting of a plurality of U shaped supports, one of the ends of the said supports detachably connected to bolts carried by the said wheel; a plate detachably carried by the other end of all of the said supports, the said plate having a threaded aperture formed therein; a shaft threaded at its ends threadably mounted in the said threaded aperture in the said plate; flanges threadably mounted upon the said shaft near its outer end; a rotatable member mounted upon the said shaft between the said flanges; rubber washers mounted upon the said shaft between the said rotatable member and the said flanges; and a nut mounted upon the said shaft, the said nut contacting with the flange nearest to the outer end of said shaft; the said flanges, washers and nut serving as a retaining means to lock the said rotatable member in place.

1,740,057. PLANT PROPAGATOR. GEORGE G. BABICH, New York, N. Y. Filed July 12, 1927. Serial No. 205,077. 6 Claims. (Cl. 47-34.)



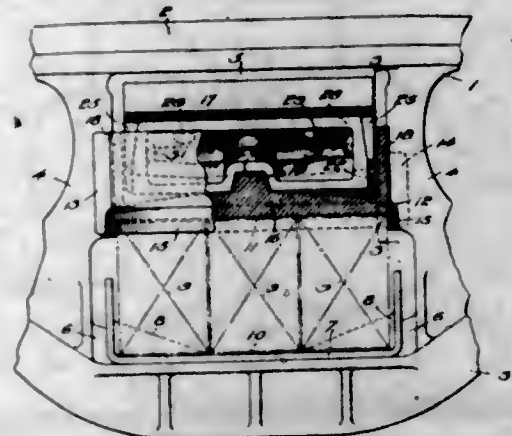
1. An article of the class described comprising a receptacle having inwardly inclined sides presenting a series of angularly disposed openings therein and a series of independent lips adjacent said openings and aligned therewith, and a recessed base member for supporting said receptacle.

1,740,058. DEVICE FOR ELIMINATING THE PRINTING OF IMPRESSIONS ON IMPRESSION-CYLINDER PACKINGS. HOWARD M. BARBER, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a Corporation of Delaware. Filed Oct. 26, 1928. Serial No. 315,304. 12 Claims. (Cl. 101-409.)



1. In a rotary printing press equipped with a sheet feeder, feeding and impression cylinder grippers normally coacting to transfer a sheet from the feeding cylinder to the impression cylinder and means, operable when the feeder fails to present a sheet to the feeding cylinder grippers, for holding the impression and feeding cylinder grippers closed as they pass their transfer point.

1,740,059. RAILWAY TRUCK. DONALD S. BARROWS, Rochester, N. Y. Filed Feb. 23, 1928. Serial No. 256,331. 18 Claims. (Cl. 105-197.)



1. A railway truck having side frames and a bolster connecting said frames, said bolster being formed to per-

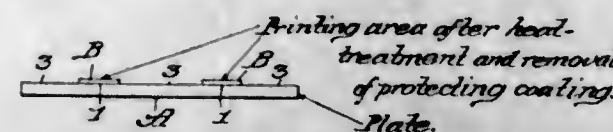
mit relative rocking of said frames in longitudinal upright planes and notched on its lower surface for interlocking connection therewith.

1,740,060. INTERCHANGEABLE JEWEL MOUNTING. LEO BAUM, Williamsburg, Brooklyn, N. Y.; Alexander Russell Bond executor of said Leo Baum, deceased. Filed July 12, 1927. Serial No. 205,175. 10 Claims. (Cl. 63-29.)



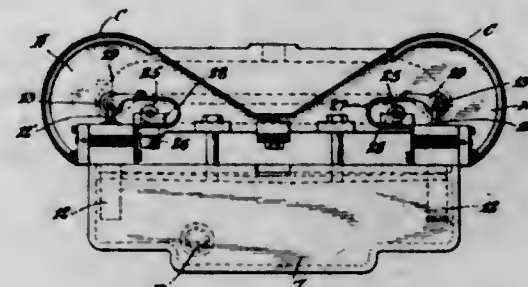
10. An interchangeable jewel mounting comprising a pair of members relatively slidable in a direction parallel to the plane of the members, means on one of said members for removably engaging opposite edges of the jewel, means on the other of said members for overlapping intermediate edges of the jewel, and means for locking one of said members to the other.

1,740,061. LITHOGRAPHIC PLATE AND PROCESS OF PREPARATION. MURRAY C. BEEBE, Cheshire, Conn.; HAROLD V. HERLINGER, Fort Thomas, Ky.; and RAYMOND A. SWAIN, Norwood, Ohio, assignors to The Wadsworth Watch Case Co., Dayton, Ky., a Corporation of Kentucky. Original application filed Jan. 22, 1925, Serial No. 4,103. Divided and this application filed Oct. 20, 1928. Serial No. 313,938. 4 Claims. (Cl. 41-41.5.)



3. The process of preparing a plate for the purpose set forth which comprises: applying to a metal plate an image, design, or character, comprising a compound of greasy or oily character, applying to the plate a protective coating, removing from the plate the first-mentioned compound, thus leaving "bare" areas of the plate exposed, applying a lacquer comprising a synthetic resin, subjecting the coating formed by the lacquer to hardening treatment to increase its insolubility and resistant character, and removing the protective coating and overlying lacquer.

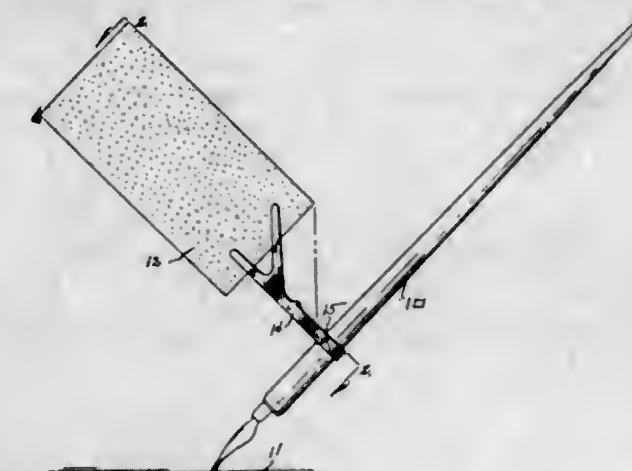
1,740,062. OIL BURNER. MARTIN J. BINKLEY, East Orange, N. J., assignor to Caloroll Burner Corporation, a Corporation of Delaware. Filed Apr. 13, 1926, Serial No. 101,686. Renewed Nov. 30, 1928. 3 Claims. (Cl. 158-42.4.)



1. In an automatic oil burning system the combination with an air compressing unit, of means for atomizing and vaporizing the oil adapted to be operated by the air from the air compressing unit, and means for automatically preventing the atomizing and vaporizing of the oil, including a thermal shutter adapted to deflect the air from the compressor unit.

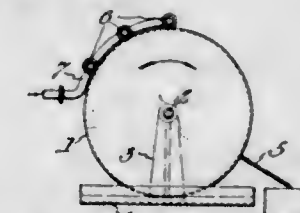
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1,740,063. BLOTTING DEVICE. GEORGE P. BODEE, Des Moines, Iowa. Filed Oct. 17, 1927. Serial No. 226,676. 2 Claims. (Cl. 120-24.)



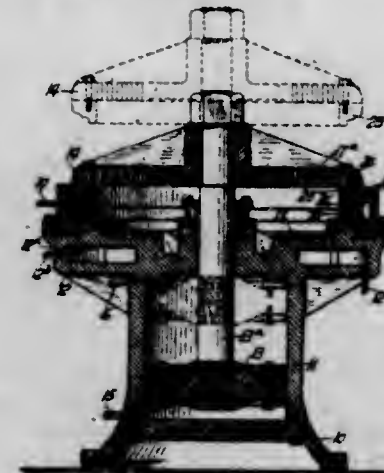
1. In a device of the class described, a bracket member designed to have one end secured to a pen and its other end designed to be secured to a blotting member, and a projection on said bracket member designed to engage the index finger of the writer when the device is in use.

1,740,064. APPARATUS FOR FLAKING MOLTEN SOLIDS. JOHN C. BOERTLEIN, Cleveland, Ohio, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Delaware. Filed Mar. 5, 1928. Serial No. 259,357. 1 Claim. (Cl. 257-98.)



An apparatus for flaking molten solids, comprising a rotatable drum, means for depositing a coating of molten solid on the peripheral surface of said drum, means for subjecting the interior of the drum to the action of a cooling fluid, means for subjecting the external surface of said coating to the cooling action of a current of air, said means comprising a plurality of pipes extending parallel to the axis of said drum, in the vicinity of the peripheral surface thereof, and perforated adjacent to said surface, and means associated with said drum for removing the congealed coating therefrom.

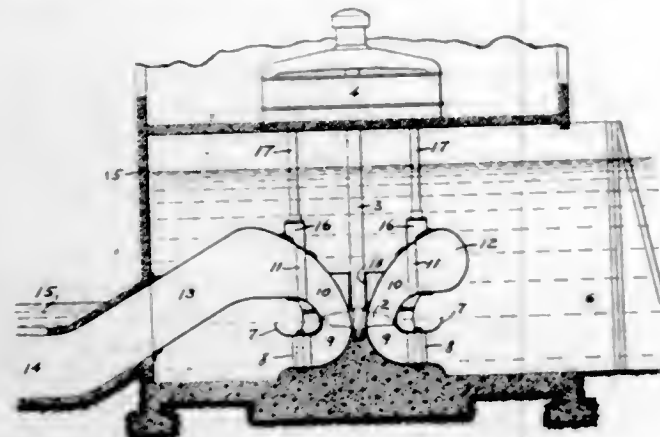
1,740,065. VULCANIZER. HENRY C. BOSWICK, Kenmore, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 29, 1926, Serial No. 157,714. Renewed Apr. 27, 1929. 3 Claims. (Cl. 18-17.)



1. A vulcanizer press, including a fluid pressure cylinder comprising a support, a lower platen fixed on the cyl-

under and having radial series of threaded apertures therein, a piston in the cylinder, a piston rod extending through the platen and carrying an upper platen for cooperation with the lower platen, the upper platen having corresponding radial series of apertures therethrough, and mold members respectively on the upper and lower platens and having portions movable into overlapping relationship, the engaging surfaces of said portions being tapered to guide the mold members into registry.

1,740,066. HYDRAULIC MACHINE. EDWIN H. BROWN, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 8, 1922. Serial No. 550,623. 4 Claims. (Cl. 253—118.)



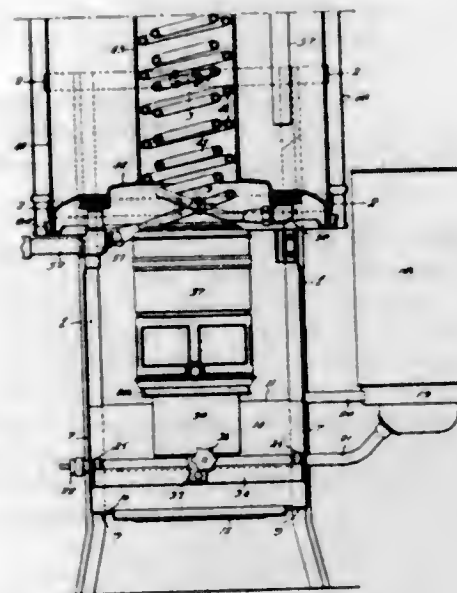
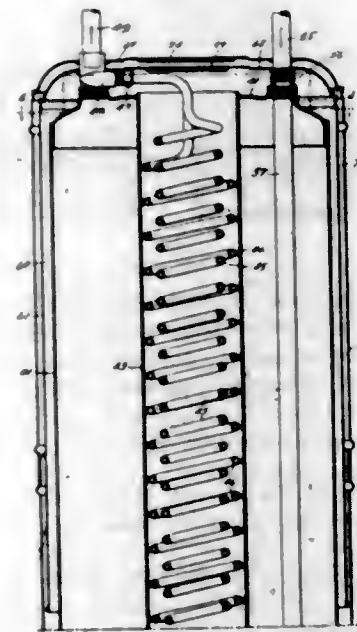
1. In a hydraulic machine, a casing forming a vertical conduit through which liquid flows upwardly, a rotor located within said conduit, an energy absorber driven by said rotor and supported above said casing, structural members directly connecting the support of said absorber with said casing, and guide vanes disposed below said rotor, for controlling the flow of liquid through said rotor.

1,740,067. FIRE-FOAM-DELIVERY APPARATUS. HANS BURMEISTER, Berlin, Germany, assignor to Pyrene-Minimax Corporation, a Corporation of Delaware. Filed Jan. 17, 1929, Serial No. 333,055, and in Germany Jan. 28, 1928. 3 Claims. (Cl. 169—4.)



1. In an apparatus for delivering fire foam vertically downward onto the surface of the liquid, the combination with a foam delivery pipe of a series of vertically arranged funnel-shaped members through which the foam may descend and by which its fall is retarded, each funnel-shaped member being provided at its bottom with a baffle plate to obstruct the flow of foam.

1,740,068. WATER HEATING AND STORAGE APPARATUS. LEE S. CHADWICK, Shaker Heights Village, and MARC RESEK, East Cleveland, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 26, 1923. Serial No. 664,850. 6 Claims. (Cl. 122—16.)

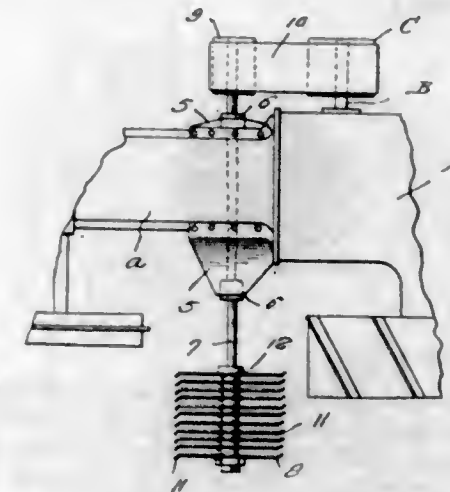


1. In apparatus of the character set forth, the combination of a tank, a stand supporting said tank and from which the tank is removable, said stand comprising legs between the upper ends of which the tank is received, the legs having ledges whereon the tank rests, contractible hoops surrounding the tank and connecting together and spacing apart said legs, means for contracting said hoops to clamp the tank to the stand, and a jacket extending over and removably sustained by the tank and depending about and concealing the upper ends of the legs and said hoops.

1,740,069. STUBBLE SHREDDER. GEORGE E. CHASE, Defiance, Ohio. Filed June 3, 1927. Serial No. 196,284. 1 Claim. (Cl. 97—212.)

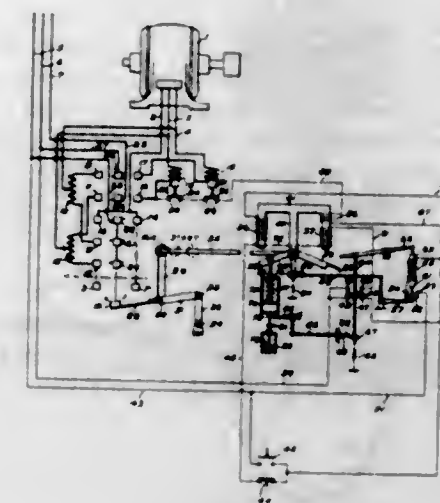
A rotary shredder for standing stalks comprising a shaft adapted to be rotatably mounted on a vehicle, a plurality of cutter members arranged in spaced relation on said shaft, said cutters being each constructed of a single sheet of material formed to provide a plurality of

radiating blades, and laterally disposed cutting tongues, on the ends of said blades, certain of these tongues on



each cutter are disposed obliquely beyond one side of the cutter, while the remaining tongues are disposed likewise beyond the opposite side of the blade.

1,740,070. AUTOMATIC MOTOR STARTER. HERBERT W. CHENEY, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed June 7, 1920, Serial No. 337,237. Renewed July 6, 1925. 40 Claims. (Cl. 172—289.)

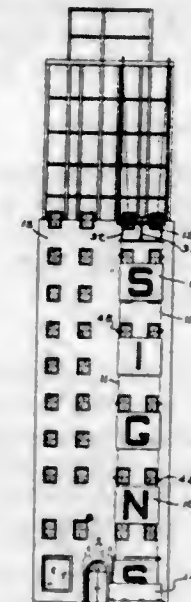


1. In a device adapted to control the starting of a motor, comprising a voltage reducing means, a switch movable in one direction for connecting said motor to said voltage reducing means to start the same and in a reverse direction for connecting said motor directly to its source of supply, electromagnetic actuating means for said switch, means for initiating movement of said actuating means to starting position, means for maintaining said actuating means in starting position a predetermined time independently of said initiating means, and means responsive to the movement of said actuating means for reversing the direction of said movement.

1,740,071. DISPLAY DEVICE. DANIEL J. COFFEY, New York, N. Y. Filed Mar. 28, 1927. Serial No. 177,580. 5 Claims. (Cl. 40—28.)

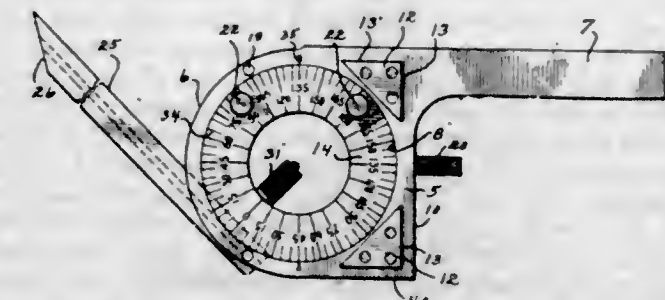
1. In a display device, an elongated flexible sign, means for attaching one end of the sign to a scaffold, means for raising the scaffold, a receptacle beneath the scaffold in

which the sign is held in a furled condition and from which it may be drawn into display position as the scaffold



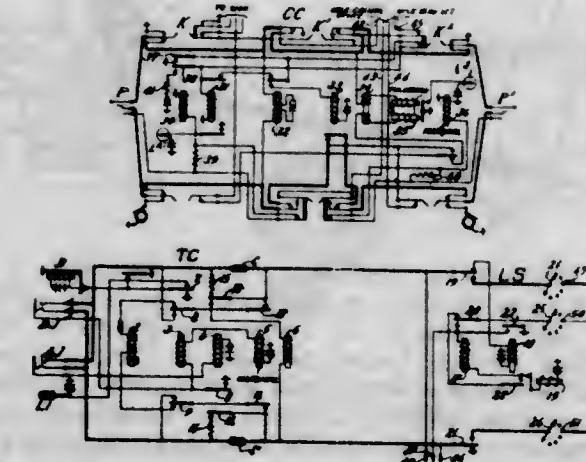
is raised, and means associated with the receptacle for maintaining the sign in a tensioned condition as it is drawn from the receptacle.

1,740,072. MICROMETER SINE PROTRACTOR. LEO HENRY CORMIER, Detroit, Mich. Filed Dec. 22, 1927. Serial No. 241,902. 12 Claims. (Cl. 33—94.)



1. In a protractor of the class described, a main body portion including a head and an arm providing a straight edge, a gauge ring revolvably mounted in the head with its face side flush with the face side of the head, means for adjustably retaining the ring against rotation in the head, an angle blade carried by the gauge ring, and co-acting gauge receiving projections extending from the face side of the protractor body portion and gauge ring.

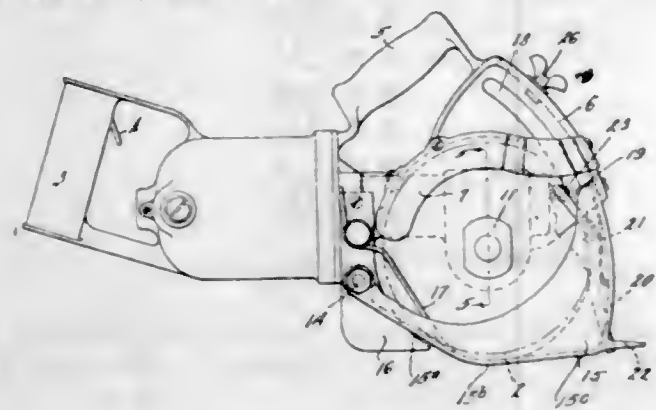
1,740,073. TELEPHONE SYSTEM. THOMAS F. CROCKER and HARRY R. PARSHALL, Chicago, Ill., assignors to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Mar. 21, 1927. Serial No. 176,868. 9 Claims. (Cl. 179—27.)



1. In a telephone system, a two-way trunk circuit having an individual answering jack and a plurality of multi-

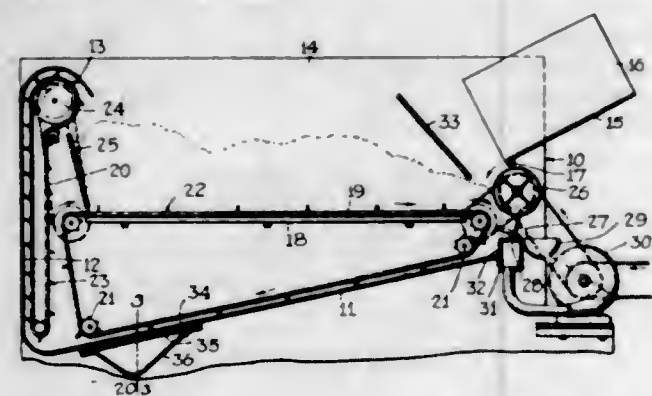
ple call jacks connected in multiple with said answering jack, a cord circuit, circuit arrangements in said trunk circuit requiring different adjustments for incoming and outgoing service and means for automatically adjusting said circuits dependent upon which jack said cord circuit is plugged into.

1,740,074. PORTABLE POWER HANDSAW. JOHN M. CROWE, Covington, Ky., assignor to The Crowe Manufacturing Corporation, Cincinnati, Ohio, a Corporation of Kentucky. Filed Apr. 29, 1926. Serial No. 105,417. 5 Claims. (Cl. 143-43.)



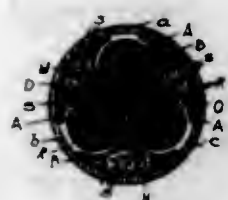
1. In a power driven hand tool adapted to be slid along the work, a frame, a cutting blade operatively mounted thereon, a motor on said frame rearward of said blade, a guard fixed on said frame for guarding a portion of said blade, a combined guard and gauge pivotally mounted to advance or retreat in overlapping relation with said fixed guard to guard or expose a cutting portion of said blade, and having a work engaging surface, one of said guards having a slot, the other of said guards having a pin, said pin and slot being arranged for relative movement to guide and support movable guard in all positions thereof, a stop adjustably securable in said slot for limiting movement of said pin therein, to limit the retreating movement of said movable guard, a latch on said movable guard, said fixed guard having a slot notched for engagement by said latch in fully advanced position of said movable guard, said latch extending beyond said surface in said advanced position and being adapted to recede from said notch upon engagement with the work.

1,740,075. DRIER FOR AGRICULTURAL PRODUCTS. NELSON W. DALTON, Bath, N. Y., assignor to Pequot Realty Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 10, 1927. Serial No. 174,193. 8 Claims. (Cl. 34-12.)



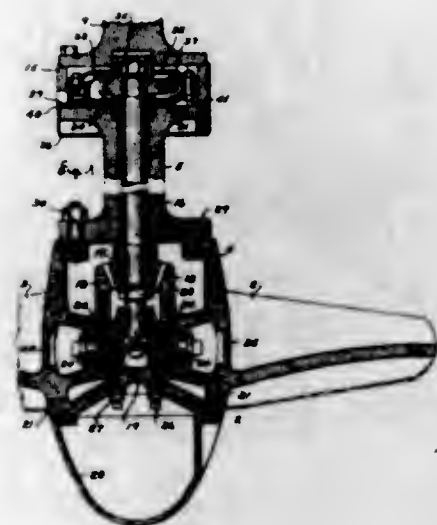
1. A drier for agricultural products including a container for the products to be dried, a conveyor operable within said container to move said products, during the drying thereof, toward a point of discharge, means operable to liberate within said container in the vicinity of said point of discharge a blast of air by means of which the discharged products are carried toward that end of the container remote from said point of discharge, and means operable within said container to redeposit upon said conveyor the products acted upon by said blast of air.

1,740,076. ELECTRIC CABLE. JULES DELON, Lyon, France, assignor of one-half to Compagnie Generale d'Electricite, Paris, France. Filed May 10, 1924, Serial No. 712,409, and in France Dec. 29, 1923. 1 Claim. (Cl. 173-266.)



An electric cable having a lead sheath combining several separately insulated conductors, without conducting covering around the insulation, a central packing filling the space formed between the conductors, packings filling the spaces formed between the conductors and the lead sheath, a conducting covering enveloping each packing in such a manner that all the faces of each packing are enveloped by the same conducting covering surrounding each packing, said conducting coverings being conductively connected inter se and with the lead sheath.

1,740,077. ROTOR. FRED E. DUMBLETON, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed May 15, 1926. Serial No. 109,247. 14 Claims. (Cl. 170-163.)

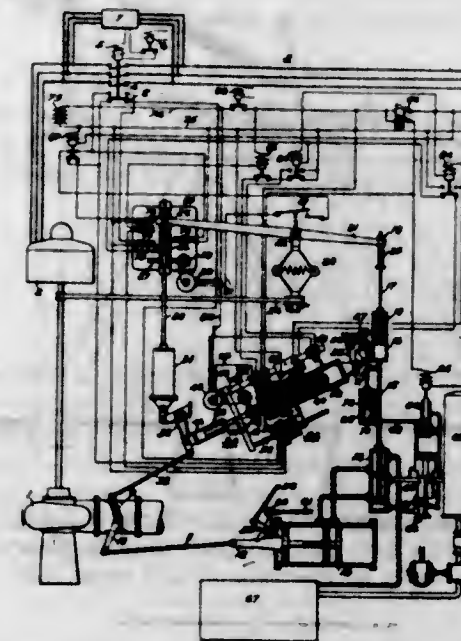


1. In combination, a hollow main shaft, a hub associated with said shaft, a plurality of vanes pivotally supported by said hub, a gear segment associated with each of said vanes adjacent to its pivot, an adjusting shaft located within said main shaft and extending into said hub, a gear connecting said adjusting shaft and said gear segments, said gear being disposed at the side of said hub adjacent to said hollow shaft, and means for axially shifting said adjusting shaft gear to lock said vanes in adjusted position.

1,740,078. PRIME MOVER DYNAMO PLANT. RALPH H. EARLE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed May 17, 1926. Serial No. 109,556. 18 Claims. (Cl. 290-7.)

14. In a system for automatically starting a prime mover having a gate for admitting operating fluid thereto, means for operating said gate, means operatively related to said gate and reacting on said operating means for pre-

determining the maximum gate opening during a portion of the starting period, and means including a direct act-



ing electromotive device responsive to predetermined conditions for changing the predetermined maximum gate opening.

1,740,079. EXTRACTION OF RUBBER FROM PLANTS. THOMAS A. EDISON, West Orange, N. J., assignor to Edison Botanic Research Corporation, West Orange, N. J., a Corporation of New Jersey. Filed Nov. 30, 1927. Serial No. 236,582. 10 Claims. (Cl. 18-50.)

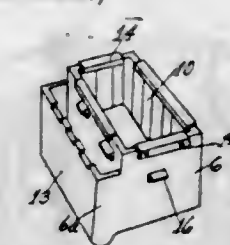
1. The process of extracting rubber from plants containing the same which consists in separating the bark and pithy material of the plants from the woody material thereof without disintegrating the latter material, and then treating only the said bark and pithy material to extract the rubber therefrom, substantially as described.

1,740,080. GUN-FIRING DEVICE. JOSEPH HERMAN EVERET, Fontana, Kans. Filed Sept. 10, 1928. Serial No. 304,915. 2 Claims. (Cl. 42-1.)



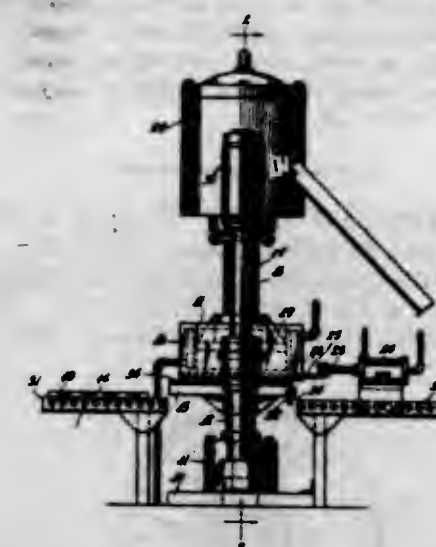
1. In a device of the class described, a band adapted for positioning about the body of a person, shoulder straps upon the band, a holster secured to the band and adapted to receive a firearm, a shoulder frame pivotally connected to one of the shoulder straps to lie flat upon the person's shoulder and means connecting the shoulder frame and the firearm to discharge the latter by movement of the person's arms.

1,740,081. GALVANIZING APPARATUS. BENJAMIN P. FINKBONE, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Nov. 30, 1925. Serial No. 72,137. 4 Claims. (Cl. 91-12.5.)



1. In combination with a pot for molten metallic coating material, a flux box having a hollow body depending into the pot and compartment means closed at the bottom adjacent to the hollow body, the wall of the box forming one wall of the compartment, and a heating element introduced into said compartment.

1,740,082. MOLDING METHOD AND APPARATUS. GEORGE E. FORSTNER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 6, 1928. Serial No. 267,892. 3 Claims. (Cl. 18-30.)



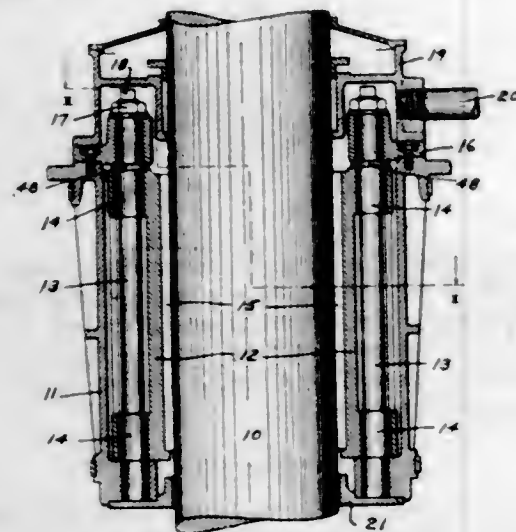
3. Molding apparatus comprising an extrusion chamber formed with an extrusion aperture in a wall thereof, a shear plate mounted against the outer face of said wall and formed with an extrusion aperture, the plate being slidable with relation to said wall to effect registry and non-registry of the two said extrusion apertures with each other, a cavities mold, and means for holding the mold against the plate with variable pressure and with the cavity of the mold in stock-receiving relation to the extrusion aperture of the plate.

1,740,083. INHALER. MICHAEL C. GALVIN, Boston, Mass. Filed June 2, 1928. Serial No. 282,445. 7 Claims. (Cl. 128-198.)



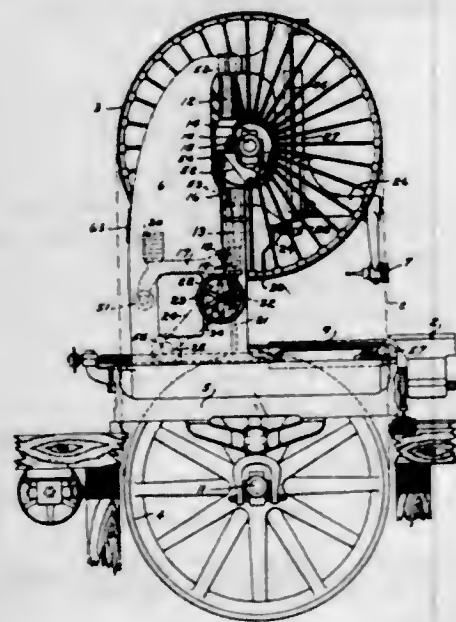
1. An inhaler comprising a shield recessed to encase the end portion of the nose, said shield having a tubular portion in communication with the interior of the shield to hold a body of medicated material in position to be inhaled through the nostrils, and resilient means for gripping the hard intermediate portion of the nose and holding said shield in its operative position.

1,740,084. BEARING. EMIL GROSS, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed June 30, 1926. Serial No. 119,564. 8 Claims. (Cl. 308—160.)



1. In combination, a member rotatable about an axis, a plurality of bearing elements spaced about said axis and coacting with a surface of said member, and a rotary eccentric for independently adjusting each of said elements relative to said member, said eccentrics being rotatably adjustable about axes disposed substantially parallel to said surface of coaction.

1,740,085. BAND-SAW MILL. WILLIAM G. HAGMAIER, West Allis, and ERNEST C. SHAW, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 28, 1926. Serial No. 105,078. 9 Claims. (Cl. 143—27.)

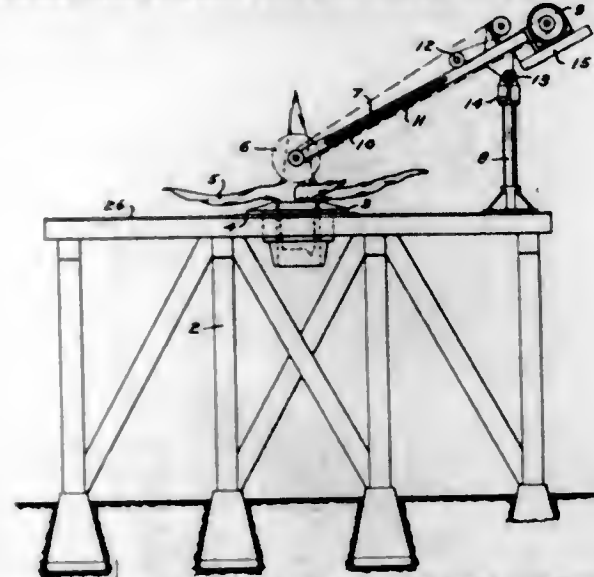


1. In combination, a band saw, a carrier wheel for said saw, a frame, a column adjustably associated with said frame, and a saw tensioning bell-crank lever the effective arm and bearings of which are housed within said column for adjustably supporting said wheel.

1,740,086. ROOT-CUTTING MACHINE. WILLIAM G. HAGMAIER, West Allis, and ERNEST C. SHAW, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed May 17, 1928. Serial No. 278,486. 5 Claims. (Cl. 143—57.)

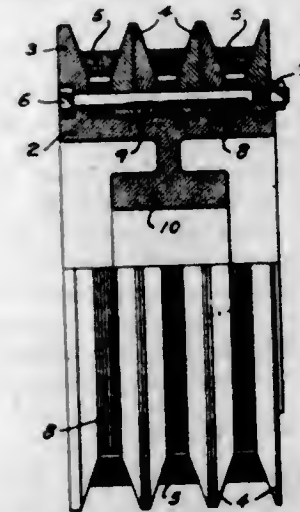
5. In combination, a turntable having a central circular recess formed to receive a stump, a plurality of spurs mov-

able radially into said recess to hold a stump upon said turntable, fluid pressure actuated means for simultaneously



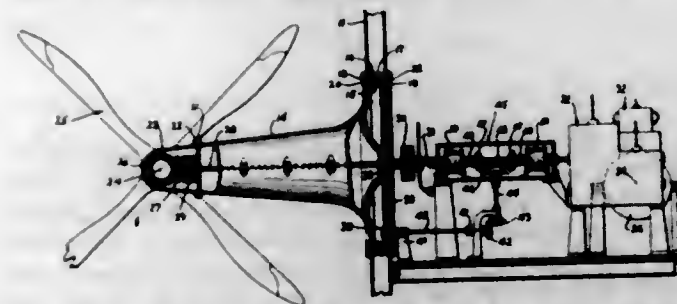
moving all of said spurs, and a circular saw rotatable about a horizontal axis and mounted to swing in planes parallel to and transversely of the axis of said turntable.

1,740,087. SHEAVE STRUCTURE. ALLAN E. HALL, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Dec. 30, 1927. Serial No. 243,532. 9 Claims. (Cl. 64—17.)



3. In combination, a hub having an annular surface extending longitudinally of the hub axis, a plurality of circular members embracing said surface and adjustable therealong, said members coacting with each other to form a series of annular V-grooves surrounding said axis, and a plurality of spacers interchangeably cooperable with the opposite sides of said members to vary both the pitch diameters of said grooves and the positions of said grooves along said surface.

1,740,088. AIRCRAFT-PROPELLING MECHANISM. CHARLES S. HALL, Los Angeles, Calif., assignor to Hall Engineering & Aircraft Construction Company, a Corporation of Nevada. Filed Jan. 3, 1928. Serial No. 244,079. 5 Claims. (Cl. 244—25.)



1. In an aircraft including a body portion, a propeller, a propeller support mounted to rotate on said body, a shaft

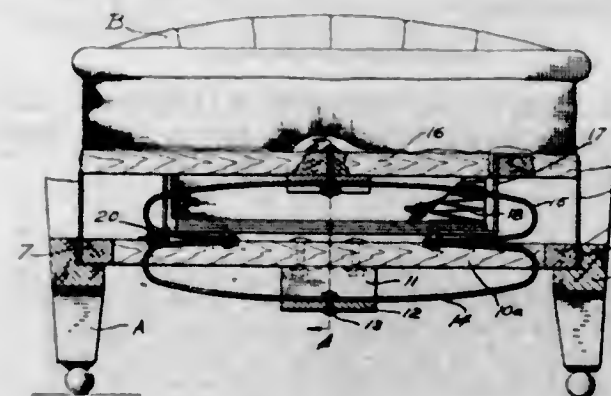
adapted to drive said propeller, a prime mover, said prime mover being adapted to drive said shaft, a gear on said propeller support, a pinion gear, said pinion gear being adapted to drive said first gear to thereby rotate said propeller support and means operable independently of said propeller to drive said pinion gear from said prime mover.

1,740,089. CIGAR AND CIGARETTE LIGHTER. NORMAN E. HAMMARSTROM, Galesburg, Ill. Filed July 3, 1924. Serial No. 724,064. 1 Claim. (Cl. 44—44.)



A new article of manufacture comprising cards of cigar lighters consisting of a plurality of members composed of frictionally ignitable material joined together and having intersecting grooves between them constituting lines of fracture whereby one may be disconnected from the others, and spurs of like material integral with each of said members, substantially as described.

1,740,090. CHAIR. HARRY HARRIS, Los Angeles, Calif. Filed Oct. 27, 1928. Serial No. 315,368. 7 Claims. (Cl. 155—50.)



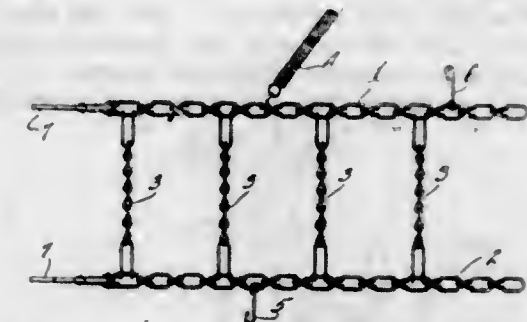
1. In an article of the class described, the combination of a base having a supporting frame, a unit demountably supported on said frame comprising an underframe corresponding to said supporting frame and having side bars, hangers mounted on said side bars intermediate their ends, elliptic springs supported on said hangers, each spring having a reentrant forward end, limiting members disposed within the reentrant ends, a seat frame supported on said elliptic springs, a basket forming a part of said seat frame telescopically disposed within the latter and forming a housing for spiral cushion springs.

1,740,091. BENDING APPARATUS. HERMANN M. HESSENBRUCH, Rosemont, Pa., assignor of one-half to Edward L. Davis, Philadelphia, Pa. Filed June 4, 1926. Serial No. 113,604. 10 Claims. (Cl. 153—21.)



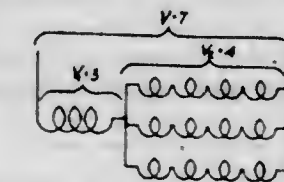
1. In bending apparatus of the character described, the combination of means to stationarily grip a bar away from its ends, and roller instrumentalities capable of individual adjustment for alternately engaging the free ends of the bar at different points along opposite sides to effect progressive bending without inducing longitudinal strain in said bar.

1,740,092. TIRE CHAIN. FREDERICK G. HODELL, Cleveland Heights, Ohio, assignor to The Chain Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 1, 1926. Serial No. 85,220. 2 Claims. (Cl. 152—14.)



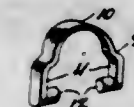
1. In a tire chain comprising a pair of side chains interconnected by cross chains and adapted to be applied to a tire by wrapping thereabout, fastening means at the ends of said side chains, an extensible chain applying member permanently secured at one end upon one of said side chains near its end, an eye at the outer free end of said applying member, a hook permanently secured upon the other side chain opposite to said applying member and adapted to engage the eye of said member to secure one end of the complete tire chain with a wheel in applying the chain to the tire thereof, and a second hook permanently secured upon the side chain carrying the chain applying member and spaced therefrom and adapted to engage the eye of said member to secure the same in predetermined arrangement after said tire chain is applied on the tire.

1,740,093. TRANSFORMER. SAMUEL HOBELICK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Feb. 1, 1924. Serial No. 689,981. 22 Claims. (Cl. 175—356.)



1. A transformer for different voltages comprising windings sub-divided into sections, certain of said sections having different resistance and a different number of turns from other of said sections, and means for connecting said sections in different series and parallel arrangements, each section in all arrangements receiving the same current.

1,740,094. NUT LOCK. VICTOR C. HUFF, East Orange, N. J. Filed June 17, 1927. Serial No. 199,461. 3 Claims. (Cl. 74—8.)

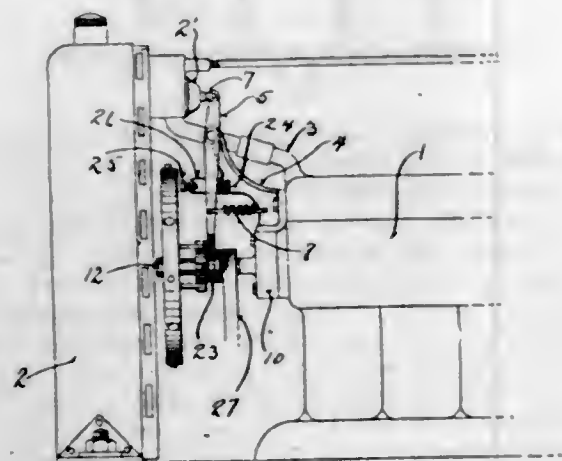


3. A nut lock for use with a castellated nut and a bolt having diametrically opposite locking depressions, said nut lock consisting in an integral metallic structure comprising a resilient main body portion, rigid end members extending from the terminations of said body portion, and laterally and inwardly projecting locking lugs at the terminals of said end members, said resilient main body having a central portion of reduced cross section.

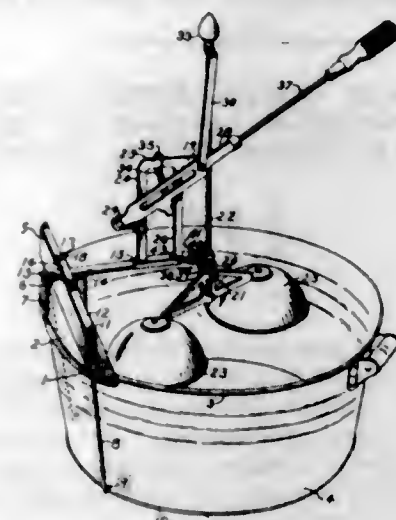
1,740,095. THERMOSTATIC-CONTROL FAN FOR INTERNAL-COMBUSTION ENGINES. OLE S. JERVAN, Milwaukee, Wis. Filed Feb. 28, 1927. Serial No. 171,704. 1 Claim. (Cl. 170—163.)

In an internal combustion engine having a cooling system and a radiator, the combination of a thermostatic

member carried by said radiator and having a projecting portion moved in accordance with temperature changes in the circulating system, said engine having a driven fan associated with said radiator and having pivotally mounted blades, said blades having cranks thereon, a hub slidably mounted with reference to said fan and having links joining said cranks, said hub having a peripheral groove, a bracket mounted upon said engine and having an upwardly projecting arm and a pair of outwardly pro-

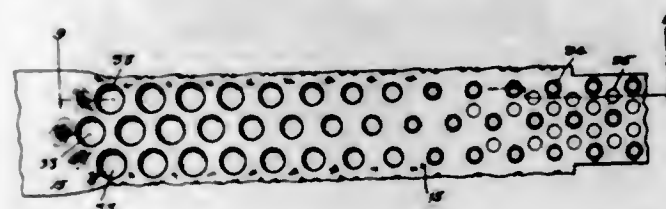


1,740,097. DETACHABLE WASHING APPARATUS. ELISHA B. JONES, Kansas City, Mo., assignor of one-half to Edward H. Waddington, Kansas City, Mo. Filed Mar. 30, 1928. Serial No. 265,897. 7 Claims. (Cl. 259-144.)



1. In a washing device for attachment to a tub including a supporting bracket engageable with the tub and a vacuum cup rod vertically reciprocally supported by said bracket, means including a ratchet on the rod having slanting blades for rotating the same operable upon reciprocation of the rod.

1,740,098. METHOD OF FORMING RADIATORS. JOHN KARMAZIN, Detroit, Mich. Filed July 3, 1924. Serial No. 723,800. 13 Claims. (Cl. 113-118.)



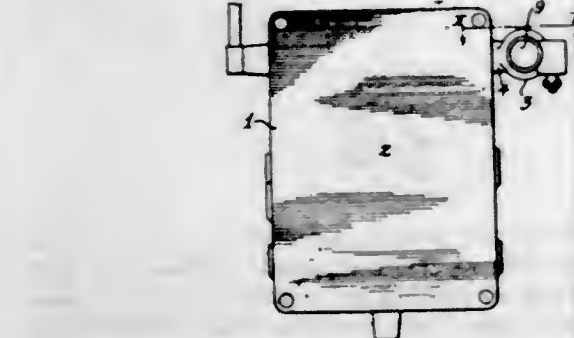
1. The method of forming a radiator core from flat sheet material, which comprises, forming a plurality of integral single walled cup shaped projections from said sheet, perforating the bottoms of said projections, assembling strips of said sheet material with the perforated projections of one strip registering with the perforated projections of the adjacent strip, and pressing said strips together, with the projections of adjacent strips in telescoping relation and in permanent engagement.

1,740,099. RIM TOOL. HENRY CHARLES KOGELSCHATZ, Oklahoma City, Okla., assignor to George A. Croft, Fairfield, Nebr. Filed Sept. 30, 1927. Serial No. 228,106. 1 Claim. (Cl. 157-1.)



A rim tool comprising a relatively long arm, a fixed rim engaging hook at one end of the arm, a rim engaging

jecting portions, limit screws threaded through said outwardly projecting portions, a lever pivoted to said upwardly projecting arm and operating between said limit screws, a spring urging said lever in one direction, said lever being moved in the other direction by said thermostatic member, said lever having a forked lower end adapted to cooperate with the groove in said hub to shift said hub and thereby vary the angular setting of said fan blades, all portions of said engine and radiator.



1. A device of the class described, comprising a pair of coaxial shafts adapted to cooperate in shifting gear mechanism, coacting clutch engaging parts on said shafts, a locking bolt having one of its ends formed to engage and throw said clutch parts into engagement in one position, and resilient means operating to disengage said clutch member parts when said locking bolt is in another position.

hook pivotally connected with the other end of said arm, a relatively short arm pivotally connected with the first mentioned arm adjacent the end carrying the pivoted hook and having a fulcrum point for engagement with the inner face of a rim near and at one side of the split therein, when the first mentioned hook is engaged with the flange of the rim near the split and on the other side thereof from the fulcrum point, whereby upon swinging movement of the arms, on the fulcrum point the rim will be broken, a rim-engaging hook pivotally mounted upon the second mentioned arm near the fulcrum point and engageable with the inner split end of a rim after the same is broken and at the outer side of the flange thereof and against the inner side of which the fulcrum point is engageable, the pivoted hook of the first mentioned arm engaging the flange of the rim on the other side of the split in the rim from the pivoted hook carried by the second mentioned arm, the first mentioned arm constituting a lever for swinging movement about the pivot of its rim engaging hook to exert a pull upon the second mentioned arm to contract the rim, the fixed hook on the first mentioned arm being engageable with the outer side of the rim flange when said first mentioned arm has been swung to a position to contract the rim and thereby hold the rim in its contracted position.

1,740,100. SWABING METHOD FOR INITIATING GAS LIFT. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,678. 7 Claims. (Cl. 103-1.)

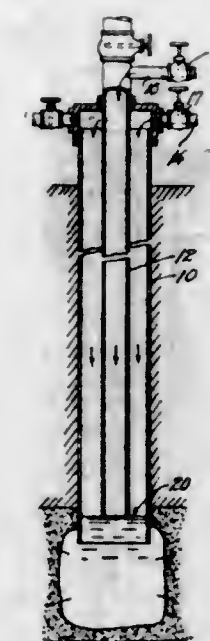


1. A method for initiating gas lift in wells containing a liquid head comprising simultaneously swabbing and applying to the liquid surface gas under pressure from an outside source.

1,740,101. SIMULTANEOUS BALANCED-PRESSURE AND INJECTION METHOD FOR INITIATING GAS LIFT IN OIL WELLS. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,677. 10 Claims. (Cl. 103-232.)

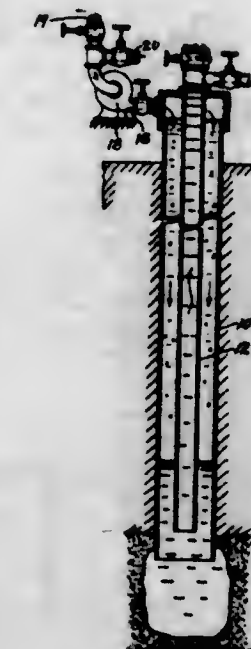
1. A method for establishing gas lift in an oil well containing a body of dead oil into which a flow tube depends,

comprising introducing into the well alongside the flow tube quantities of gas under pressure greater than the



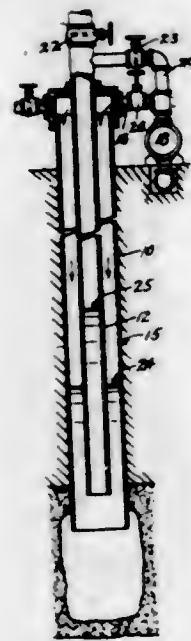
rock pressure in the immediate vicinity of the well and releasing the pressure on one side of the flow tube while continuing it on the other side.

1,740,102. DISPLACING DEAD CASING OIL FOR INITIATING GAS LIFT IN OIL WELLS. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,678. 15 Claims. (Cl. 103-232.)



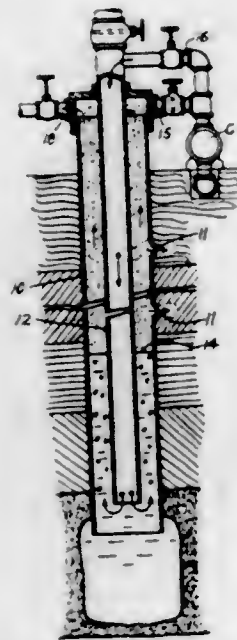
1. A method for removing a head of dead oil from an oil well comprising introducing live oil into the well and simultaneously effecting removal of oil from the well until the dead oil head has been replaced by live oil.

1,740,103. ALTERNATE PRESSURE-BALANCING METHOD FOR INITIATING GAS LIFT IN OIL WELLS. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,679. 17 Claims. (Cl. 103-232.)



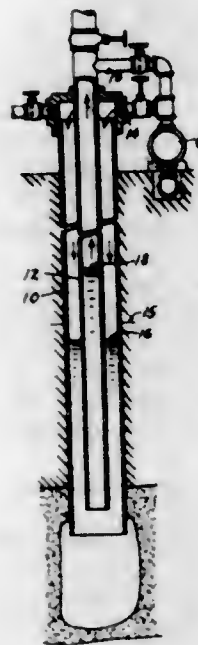
1. In a method for establishing gas lift in an oil well containing a body of oil into which a flow tube depends, comprising introducing gas to the surface of oil on one side of the tube under a pressure less than the normal starting pressure to cause absorption of gas by oil in the well.

1,740,104. AERATION METHOD FOR ESTABLISHING GAS LIFT IN OIL WELLS. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,680. 7 Claims. (Cl. 103-232.)



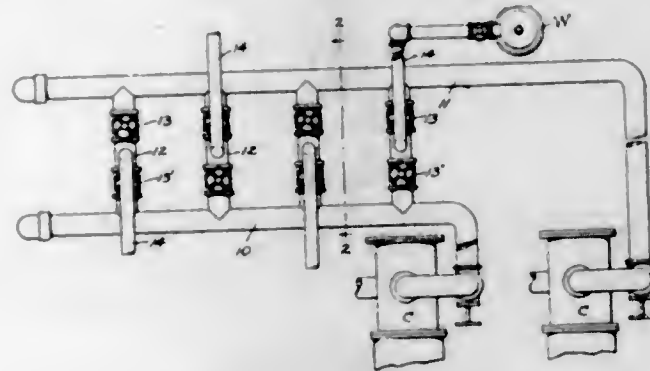
1. A method for gas lift in an oil well having a casing and tube depending thereinto, comprising introducing gas under pressure to one of said members for atomizing and discharging oil from the other, and then reversing the gas flow to establish normal gas lift operation in the opposite direction.

1,740,105. ROCK-OVER METHOD FOR ESTABLISHING GAS-LIFT OPERATIONS IN OIL WELLS. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,681. 15 Claims. (Cl. 103-232.)



1. In a method for initiating gas lift in an oil well containing a casing and a body of oil into which a flow tube depends, the steps comprising introducing gas under pressure into the casing on one side of the tube to elevate a column of oil on the other side of the tube, releasing the pressure and allowing the elevated oil column to return to be mixed with said body of oil.

1,740,106. CENTRALIZED HEADER SYSTEM FOR GAS AND AIR LIFT OPERATIONS. FRANCIS W. LAKE, Whittier, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed July 18, 1927. Serial No. 206,682. 8 Claims. (Cl. 103-10.)



1. In gas lift apparatus, a plurality of headers, means to supply gas under different pressures to said headers respectively, a plurality of connections leading from each header, a plurality of wells, and circulating lines leading to certain of said wells from points in said connections.

1,740,107. ANNUNCIATING SWITCH DEVICE. JAMES E. LEWIS, Fort Smith, Ark. Filed Mar. 31, 1926. Serial No. 98,926. 2 Claims. (Cl. 200-86.)

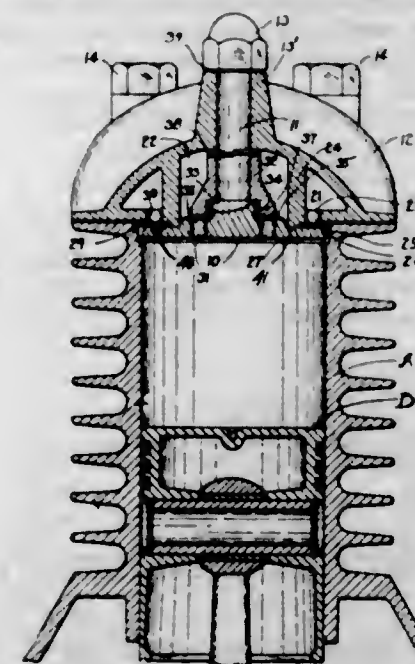
1. A vehicle actuated closing device, comprising a pair of supports designed to be rigidly fixed at opposite sides of

a driveway, a flexible elongated member connected at one end to one of the supports at a point in close spaced relation to the surface of the driveway, a coil spring connected to the other end of said member and to the other support at a point in close spaced relation to the surface of the driveway, the coil spring being adapted to yieldingly sup-



port said member out of contact with the surface of the driveway, an electrical contact carried solely by and extending laterally from said member, a support designed to be fixed to the driveway at a point between said first support and the electrical contact and at that side of said member beyond which the contact extends, and an electrical contact carried by said last support.

1,740,108. VALVE MECHANISM. FRANCIS C. MARSHALL, Green Bay, Wis., assignor to C. A. Lawton Co., De Pere, Wis. Filed Apr. 4, 1927. Serial No. 180,761. 2 Claims. (Cl. 230-231.)

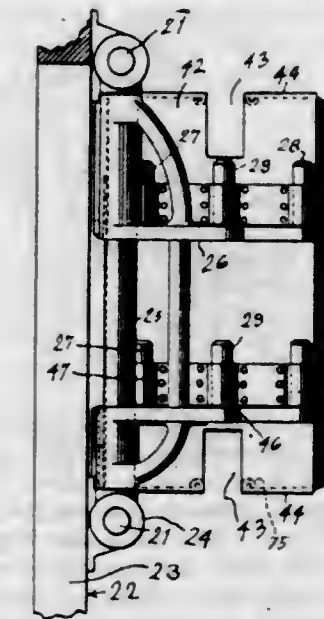


1. In a structure of the character described, the combination with a cylinder, of a fluid cooled dome on the cylinder and having concentrically disposed inlet and exhaust chambers, a disk like head confronting the bore of the cylinder and having a center stem removably inserted centrally through the dome, means engaging the stem outside of the dome to fasten the head therewith, said head being constructed to form a continuous peripheral inlet from the inlet chamber to the cylinder, said head further being formed with exhaust ports communicating with the exhaust chamber, ring like valves intercepting the inlet and exhaust ways, and means normally holding the valves in closed positions.

1,740,109. MAIL-BAG CATCHING AND DELIVERING APPARATUS. REUBEN MUNNERY, Los Angeles, Calif. Filed Aug. 23, 1928. Serial No. 301,510. 13 Claims. (Cl. 258-20.)

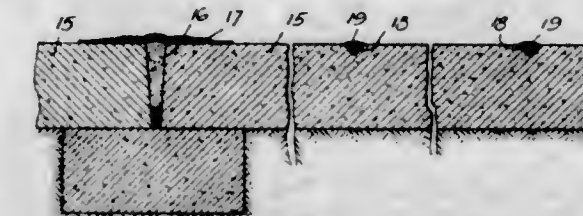
1. In a mail-bag receiving apparatus, the combination with supporting bars positioned horizontally on a railway

car and adjacent to a doorway, of reciprocating members each mounted on a supporting bar, a vertical shaft connecting the reciprocating members and moving synchronously with their reciprocating movement, a series of stop-springs coiled upon the supporting bars and retarding



movement of the reciprocating members in either direction, a supporting bracket mounted on the said vertical shaft, a brace member serving to lock the supporting bracket when extended to its outermost position, and a mail bag receiving basket mounted on the supporting bracket.

1,740,110. MEANS FOR SAFEGUARDING CONCRETE STRUCTURES AGAINST LEAKING FRACTURES. EUGENE R. ODEN, Lankershim, Calif. Filed Nov. 11, 1926. Serial No. 147,837. 5 Claims. (Cl. 72-106.)



1. In combination, a body of material capable of fracture having grooves in one surface thereof, a non-hardening waterproof filler for the grooves, and laminations of flexible material superimposed on the filler of each groove and bridging the groove.

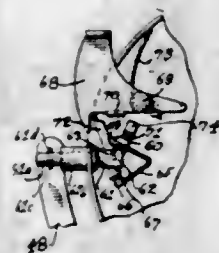
1,740,111. CANDY-CUTTING MACHINE. ANDREW OLSEN, Jr., and JAMES A. OLSEN, San Francisco, Calif., assignors to Golden Nugget Sweets, San Francisco, Calif., a Firm. Filed July 18, 1928. Serial No. 293,756. 6 Claims. (Cl. 107-21.)



1. A candy cutting machine comprising an elongated frame, a cutter carriage, means whereby the cutter car-

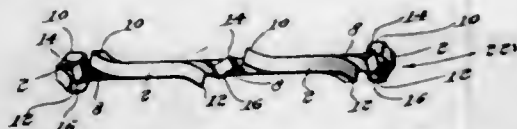
riage may be moved along the machine, a knife on the carriage extending downwardly, and means for raising and clamping a candy slab under said frame adjacent said knife.

1,740,112. SHUTTER LOCK FOR CAMERAS. JAMES H. OLCOTT, Waterbury, Conn. Filed Nov. 7, 1927. Serial No. 231,445. 9 Claims. (Cl. 95—32.)



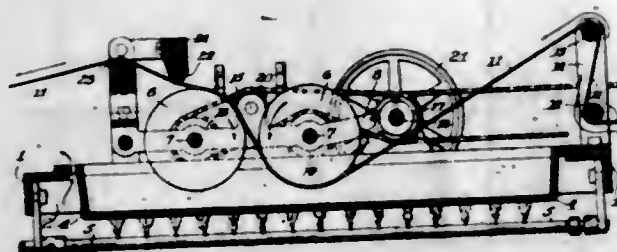
1. In a shutter-locking device for a film camera, a shutter mechanism for exposing the film, a lever for operating said shutter mechanism, a film having slots adjacent its edge, a spring-pressed cam adapted to enter said slots successively as the film is wound up, said shutter mechanism having a Y-shaped locking lever, one arm of said locking lever lying in the path of said shutter lever, a second arm on said locking lever for locking said shutter lever against a double exposure, and a third arm on said locking lever operatively connected with said cam for unlocking said shutter lever when the cam has moved into the next slot in the film.

1,740,113. LOCK WASHER. CARL G. OLSON, Chicago, Ill., assignor to Shakeproof Lock Washer Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 8, 1928. Serial No. 260,009. 3 Claims. (Cl. 151—35.)



1. A lock washer of the ring type comprising a flat body portion, a plurality of narrow prongs for roughing surfaces between which the washer may be clamped, and a plurality of marginal T-shaped prongs for engaging the roughened surfaces, said T-shaped prongs being sufficiently resilient to yieldingly bear against the roughened surfaces when clamped therebetween.

1,740,114. WIPER FOR METAL-COATING MACHINES. WILLIAM A. PAINTER, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed Jan. 31, 1927. Serial No. 164,968. 5 Claims. (Cl. 91—59.4.)

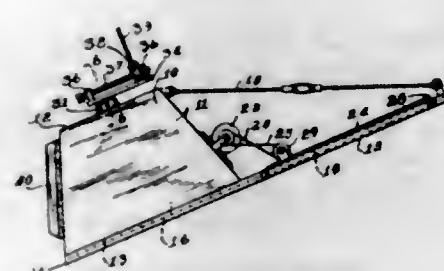


1. In a wiper assembly for metal coating machines, the combination with a block forming a support and having a longitudinal groove therein, of a glass tube forming a nonrotative wiper element and fitting in said groove, a rod extending through the glass tube, an asbestos packing between the rod and the tube, and means carried by the block and engaging the opposite ends of the rod beyond the tube for removably clamping the tube in the groove.

1,740,115. PROCESS OF EXTRACTING TURPENTINE, PINE OIL, AND ROSIN FROM RESINOUS WOODS. ROBERT C. PALMER, Pensacola, Fla., assignor to The Newport Company, Carrollville, Wis., a Corporation of Delaware. Filed Dec. 4, 1926. Serial No. 152,724. 4 Claims. (Cl. 202—54.)

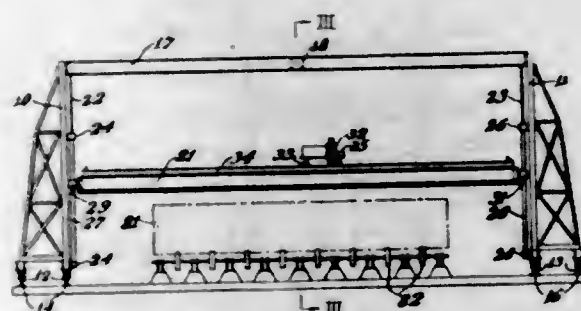
3. In the process of extracting turpentine, pine oils and rosin from resinous woods, the step of subjecting the unsteamed wood to the solvent action of di-isobutylene, whereby the turpentine, pine oils and rosin are simultaneously and practically completely extracted from the wood.

1,740,116. MECHANICAL COLLECTING CONTAINER FOR CRANES. WILLIAM POLGAR, Bronx, N. Y. Filed Apr. 30, 1929. Serial No. 359,204. 5 Claims. (Cl. 294—69.)



1. A device of the class described, comprising a container with sides presenting an open top and an open bottom, guide rails attached to the bottom of the container, a slide supported on the guide rails and arranged to close the bottom of the container and movable to another position unrestricting the said open bottom, means for moving the slide into said positions, and means for supporting the container to assume a horizontal or a tilted position.

1,740,117. WELDING APPARATUS. CHARLES C. PINCKNEY, Birmingham, Ala., assignor to Birmingham Tank Company, a Corporation of Delaware. Filed Nov. 28, 1927. Serial No. 236,206. 9 Claims. (Cl. 219—8.)

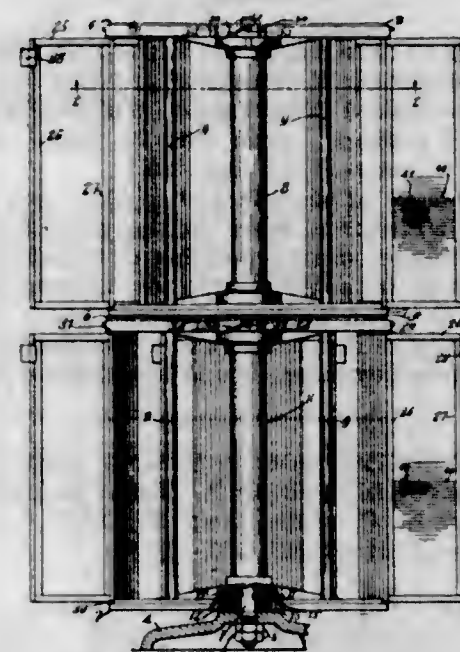


1. A means for positioning a welding machine comprising a platform along which the machine is longitudinally movable, supporting means for the platform and movable transversely of the direction of movement of the welding machine on the platform, means to raise and lower the platform in the supporting means, power actuated means for moving the supporting means and for raising and lowering the platform, and a selective transmission operable by the power means to raise or lower the platform or move the supporting means.

1,740,118. INDEX DEVICE. JAMES H. RAND, North Falmouth, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed May 24, 1924, Serial No. 715,611. Renewed Aug. 6, 1926. 12 Claims. (Cl. 40—72.)

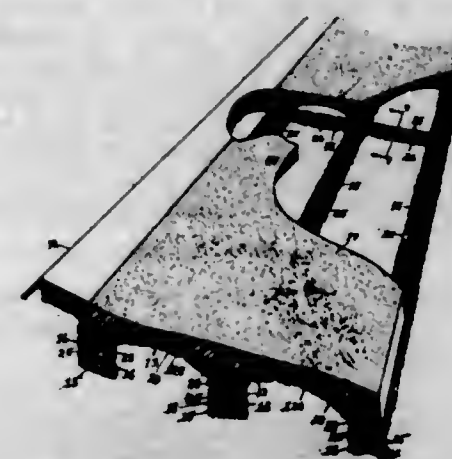
1. An index device comprising an upright frame having spaced members formed with annular series of elongated

recesses in opposed faces thereof, a plurality of index holders having pintles adapted to be received by each of said recesses to swing about substantially vertical axes, said index holders being slidable in said recesses, and a ring



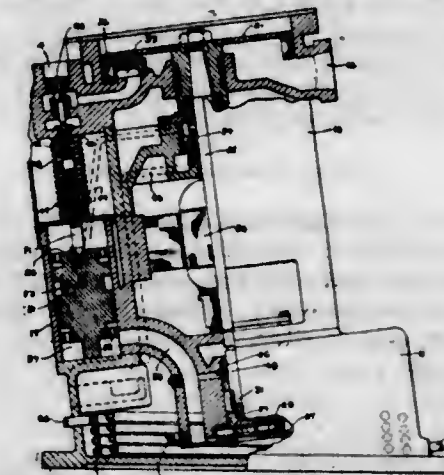
member concentric with one of said members and loosely mounted thereon adapted to extend over a portion of said holders to prevent removal of the holders from the frames, said ring member being movable away from the holders to permit removal of one or more holders from the frame.

1,740,119. SIDEWALK, ROADWAY, AND THE LIKE. JOHN W. ROBINSON, Lowell, Mass. Filed July 16, 1926. Serial No. 122,892. 2 Claims. (Cl. 94—4.)



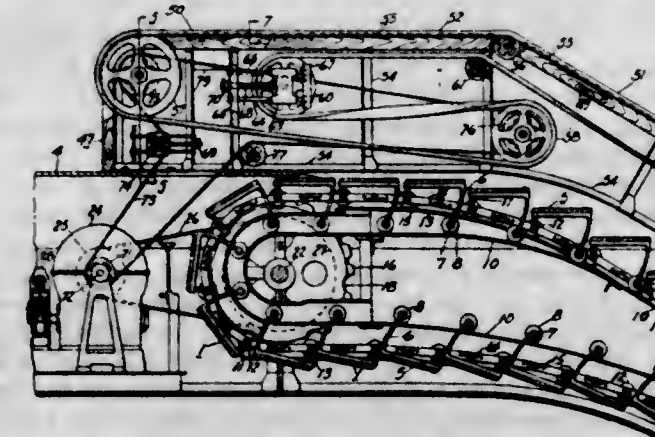
1. A structure of the character described, having an earth foundation provided with trenches spaced apart, a tread member located above said trenches and separated from said foundation, headers for said tread member of less width than said trenches, supporting means for said headers located in said trenches and substantially uninfluenced by movement of the upright side walls of said trenches, and means within said trenches and interposed between said supporting means and the upright walls of said trenches between the sides of the said headers and the upright walls of said trenches to be freely movable with said upright walls under the influence of frost and for rendering movement of said upright walls substantially ineffective to produce movement of said supporting means, headers and tread member.

1,740,120. OIL COOLER. HENRY F. SCHMIDT, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Dec. 27, 1924, Serial No. 758,422. Divided and this application filed July 24, 1925. Serial No. 45,851. 12 Claims. (Cl. 184—104.)



1. In a circulating fluid pressure lubricating system, the combination of a fluid reservoir, a pump for supplying fluid pressure to the system, a cooling surface provided in the reservoir, and means embodied in the pump for effecting a whirling circulation of the fluid in the reservoir against the cooling surface.

1,740,121. MOVING STAIRWAY. MARTIN C. SCHWAB, Chicago, Ill., assignor to Otis Elevator Company, New York, N. Y., a Corporation of New Jersey. Filed May 27, 1927. Serial No. 194,706. 8 Claims. (Cl. 198—10.)



1. In combination, a moving stairway, and a movable hand rail for said stairway, said hand rail extending above said stairway and arranged to divide the traffic on said stairway.

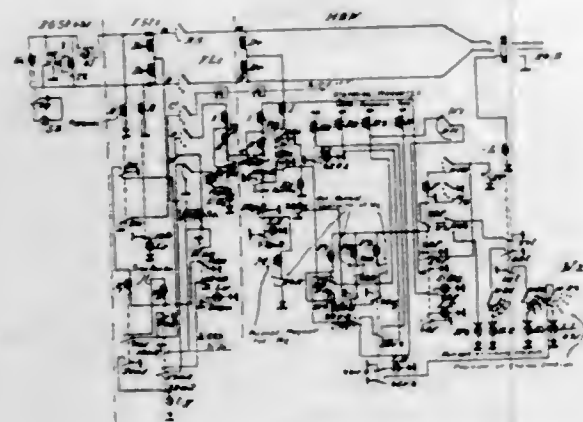
1,740,122. ROCK DRILL. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 2, 1927. Serial No. 188,197. 2 Claims. (Cl. 121—19.)



1. A fluid actuated rock drill comprising a cylinder and reciprocating piston, said cylinder having a valve cham-

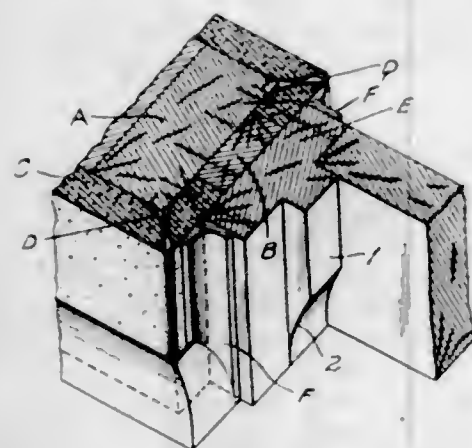
ber, an oscillatory distributing valve in the valve chamber controlling the admission of pressure fluid to the cylinder, means including a ratchet bar and spring-pressed pawls for imparting rotary movement of the piston, a ratchet ring encircling the ratchet bar having teeth for engagement with the pawls, and a plurality of passages in the ratchet ring conveying pressure fluid into the valve chamber, said passages being of small cross sectional area to direct the pressure fluid against the outer edge of the valve, thus preventing eddying of the pressure fluid in the valve chamber before the valve is thrown.

- 1,740,123. ALARM-CIRCUIT SYSTEM. GYSBERTUS CORNELIS SNYDERS, CORNELIUS GORDYN, JR., JAN VAN DE KAMP, and CHARLES EDWARD ADRIANUS MAITLAND, Amsterdam, Netherlands. Filed Oct. 19, 1927. Serial No. 227,150, and in Germany Apr. 26, 1926. 4 Claims. (Cl. 177-360.)



2. An alarm circuit system comprising alarm sending stations, a distributing station, a central receiving station, circuits connecting said sending stations with the distributing station, trunk lines connecting the distributing station with the alarm receiving station, means at each sending station for changing the resistance of the circuit connecting the sending station with the distributing station and for thereafter transmitting impulses over said circuit, and means responsive to the change of resistance of said circuit and the transmission of impulses thereover for automatically connecting said circuit to a disengaged trunk line leading to the central station, whereby said means will be nonresponsive to a mere change of the resistance of the circuit due to a defect of the circuit which will either open or short circuit the circuit.

- 1,740,124. DOOR AND WINDOW STRUCTURE. CLARENCE E. STEVENS, St. Louis, Mo. Filed Aug. 25, 1928. Serial No. 302,050. 6 Claims. (Cl. 20-11.)



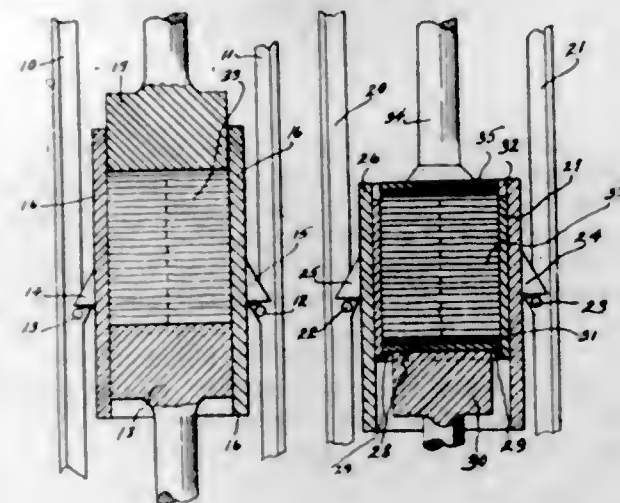
1. In a structure of the kind described the combination of a plastered wall provided with an opening, a frame in said opening, a furring strip separate and distinct from said frame that is installed in the wall prior to the oper-

ation of applying the plaster to the wall, and a corner bead arranged with its edge extending parallel to and flush with said furring strip, the plaster being applied so as to cover said corner bead and form a plastered portion at the inner side of said opening which butts against said furring strip.

- 1,740,125. MANUFACTURE OF HIGH-MELTING-POINT WAX. FREDERICK W. SULLIVAN, JR., Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed July 23, 1924. Serial No. 727,671. 4 Claims. (Cl. 196-20.)

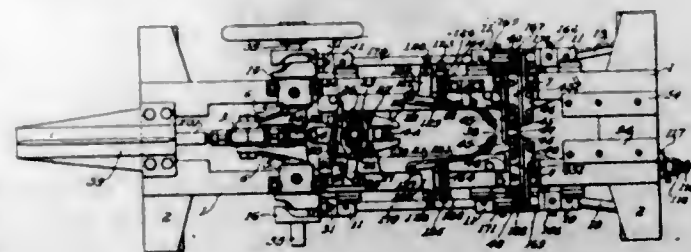
1. The method of manufacturing high melting point hydrocarbon waxes from lower melting point hydrocarbon waxes containing a small proportion of high boiling point oil which comprises subjecting the low melting point wax to distillation under conditions characteristic of sub-atmospheric pressure distillation and at temperatures below 650° F., thereby removing oil and low melting point wax.

- 1,740,126. PROCESS FOR PRESSING AND PACKING MANUFACTURED TOBACCO. HENRY P. TAYLOR, Winston-Salem, N. C. Filed Aug. 17, 1929. Serial No. 386,519. 4 Claims. (Cl. 131-11.)



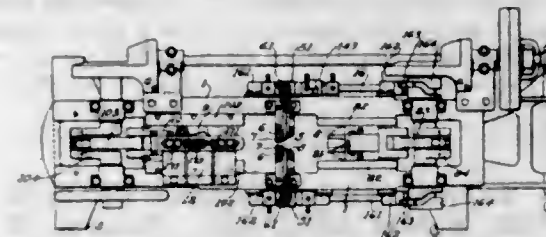
1. The process of pressing and packing tobacco which comprises placing a plurality of pieces of tobacco in a press and partially pressing the said pieces, then placing the partially pressed mass of tobacco in a container with fibrous resilient dummy layers next to the head members of the container, placing the container in another press and completing the pressing of the mass of tobacco and sealing the container while the tobacco is under pressure.

- 1,740,127. BOBBIN STRIPPER. EDGAR A. TERRELL, Charlotte, N. C. Filed Nov. 14, 1928. Serial No. 319,284. 20 Claims. (Cl. 28-20.)



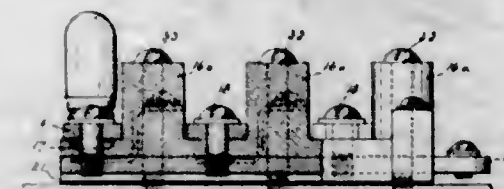
1. In a bobbin-stripper machine, the combination with stripper-devices, and a reciprocating device for moving a bobbin relative to said devices to effect stripping, of a bobbin-guiding chute by which a bobbin to be stripped is delivered to the stripper-devices, said chute controlling the bobbin by the bobbin-head, bobbin-guide strips in connection with the chute between which the bobbin-barrel is guided, said strips transversely adjustable, supporting pins or studs combined with said strips, and means engaging with such pins or studs to hold the strips in adjusted position.

- 1,740,128. BOBBIN STRIPPER. EDGAR A. TERRELL, Charlotte, N. C. Filed Nov. 15, 1928. Serial No. 319,537. 15 Claims. (Cl. 28-20.)



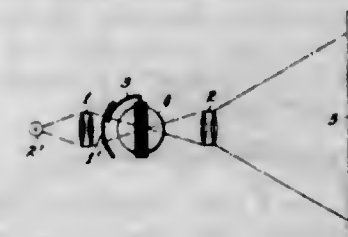
1. In a bobbin-stripper machine, the combination with a bobbin-stripper device, and means for producing relative movement between said device and a bobbin presented thereto to be stripped, of a bobbin-chute having an arc-shaped delivery portion from which a bobbin to be stripped is delivered in a horizontally extended position with the bobbin-length extending lengthwise of the direction of said movement, and a segmental rack in connection with said arc-shaped portion having its teeth in the path of the bobbin-tip and adapted to act to progressively overturn a descending bobbin into the said horizontally extended position.

- 1,740,129. ANNUNCIATOR AND OPERATING MEANS THEREFOR. HOWARD L. UNGERER, New York, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J., a Corporation of New Jersey. Filed July 30, 1926. Serial No. 125,934. 1 Claim. (Cl. 177-326.)



A device of the class described comprising a base of insulating material having integral projections, a plurality of conducting bars mounted transversely on said base, means for supporting a plurality of lamps on said bars and making contact with each lamp-shell contact, said lamps being in corresponding formation on each side of the longitudinal axis of the base, means for establishing electric circuits to said lamps, said means including a feed bar below the base and flexible strips contacting with each center-contact of the lamps and secured to some of the above mentioned projections, and means for securing the conducting bars and the feed bar to the base, said last named means forming a part of the lamp circuits.

- 1,740,130. MEASURING INSTRUMENT. RICHARD VON VOSS, Berlin-Westend, and MANFRED SCHLEICHER, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Oct. 24, 1928. Serial No. 314,009, and in Germany Oct. 5, 1927. 9 Claims. (Cl. 116-114.)



1. In a measuring arrangement, a source of light, a scale, a rotating system, and an opaque screen coupled with said rotating system and adapted to be placed between said source of light and said scale, said screen being of sufficient length to cast a shadow stripe on the entire length of said scale.

- 1,740,131. CONDENSER. LEO J. WERNER, Arlington, N. J., assignor to Dubilier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 3, 1924. Serial No. 735,590. 1 Claim. (Cl. 175-41.5.)

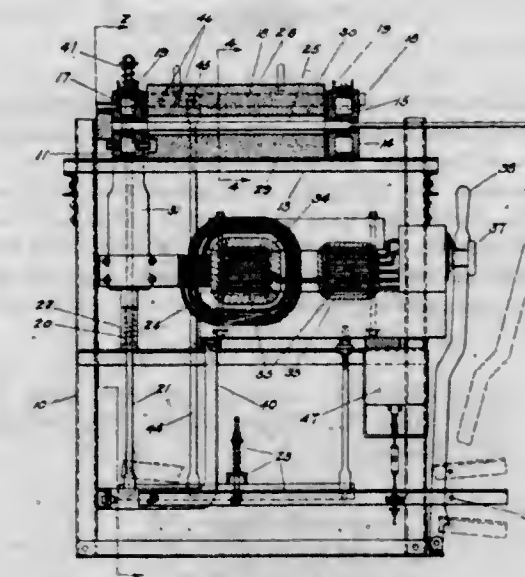


A condenser comprising a pair of electrically conductive elements spaced apart, wedge members to extend between the opposite ends of said elements, said members having extensions, a rod passing through said extensions and having oppositely threaded portions to engage said extensions, a projection on one of said plates through which said rod passes, said projection having an opening larger than said rod, and fixed collars on said rod abutting the opposite extremities of the projection, whereby when the rod is turned, it is held against longitudinal movement and can draw the wedge members together or move them apart to control the position of said elements.

- 1,740,132. METHOD OF MAKING STRAW PAPER. EDWARD B. WESTON, Dayton, Ohio, and WILLIAM G. CLARK, Terre Haute, Ind., assignors to The Weston Paper and Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 15, 1929. Serial No. 340,326. 10 Claims. (Cl. 92-3.)

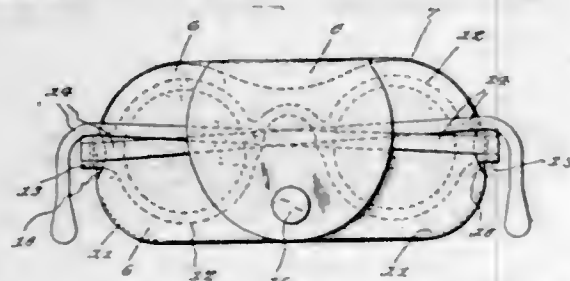
1. The step in the method of making straw board for corrugating from lime and caustic soda straw, which consists in the separate cooking of the batches before mixing.

- 1,740,133. WELDING APPARATUS. JOHN C. WHITE, Eureka, Calif., assignor of forty-nine one-hundredths to J. M. Hutcheson, Eureka, Calif. Filed May 28, 1924. Serial No. 715,263. 6 Claims. (Cl. 219-13.)



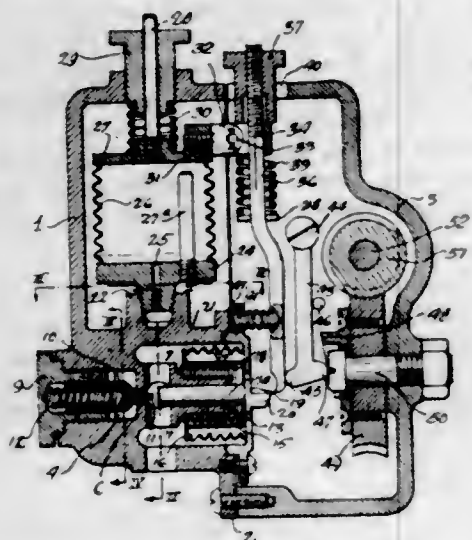
1. An electrical brazing furnace comprising an electrical heat-generating apparatus consisting of a transformer embodying a primary and a secondary winding, a plurality of electrode clamps arranged in pairs, the upper clamp of each pair being adjustable relative to its companion clamp and a certain pair of said clamps being spacedly adjustable relative to the other pair, a heat-confining element arranged between said pairs of clamps, and means coacting with said clamps to move the upper of these into operative positions relative to their respective companion clamps to close the circuit.

1,740,134. SPECTACLE CASE. SYDNEY H. WINSTON, Brooklyn, N. Y. Filed Jan. 22, 1929. Serial No. 334,207. 2 Claims. (Cl. 206-5.)



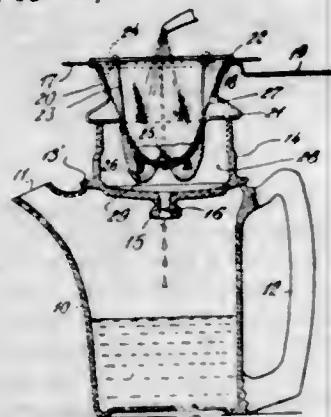
2. A spectacle case comprising a single piece of flexible material adapted to be folded to form a case presenting open sides to permit the insertion of the rims of a pair of spectacles between said front and rear sections with the bows projecting from the open sides, said bows being folded over said front section and a flap extended from said rear section and adapted to be secured to said front section to overlap the medial portions of said bows to close the case and hold the bows in position.

1,740,135. CONTROL-VALVE MECHANISM. WILLIAM WISHART, Clinton, Iowa, assignor to Climax Engineering Company, a Corporation of Delaware. Filed July 20, 1925. Serial No. 44,744. 2 Claims. (Cl. 137-139.)



1. In combination with a casing, a valve member therein, an oscillatable member, means for actuating said member, a swingable member abutting said oscillatable member, means for bringing said swingable member into position for operating said valve, said means including a collapsible bellows, a bracket on said bellows, and a second bracket pivoted to said first mentioned bracket and engaging said swingable member.

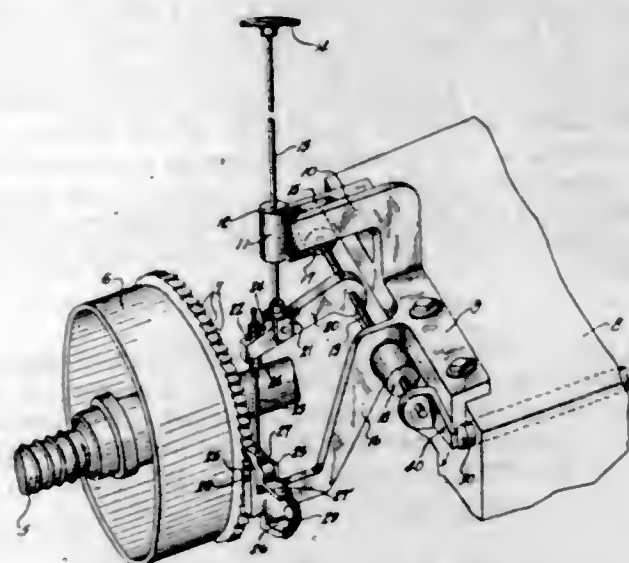
1,740,136. COFFEEPOT. EDWARD ABORN, East Orange, N. J. Filed May 22, 1929. Serial No. 364,994. 3 Claims. (Cl. 53-3.)



1. The combination of a pot body, a cover therefor having an opening from top to bottom and a skirt depending

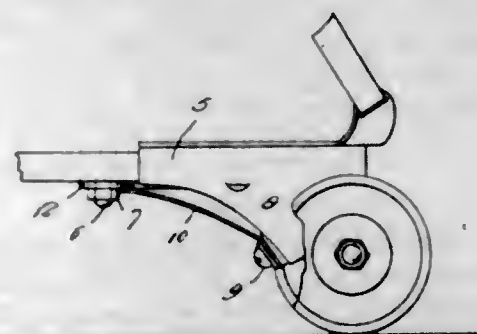
from its under surface, said cover being adapted to rest on top of the pot body in normal upright position with the skirt entering the pot body and also being adapted to be placed on the top of the pot body in inverted position with the skirt projecting upwardly, and a filter frame including a coffee bag adapted to be mounted on the cover with said bag entering the chamber defined by the cover and skirt.

1,740,137. RETROGRADE-MOVEMENT BRAKING DEVICE FOR MOTOR VEHICLES. STERLING W. ALBRIGHT, Racine, Wis. Filed Nov. 16, 1928. Serial No. 319,860. 4 Claims. (Cl. 192-4.)



1. In a vehicle having a drive shaft and shiftable reverse gears, releasable means for preventing reverse movement of said drive shaft, and means for preventing driving engagement of said reverse gears when said drive shaft reverse movement preventing means is in operative position.

1,740,138. SKATE-KEY-HOLDING DEVICE. NEIL J. ANDERSON, Hermosa Beach, Calif. Filed July 17, 1928. Serial No. 293,452. 3 Claims. (Cl. 208-180.)

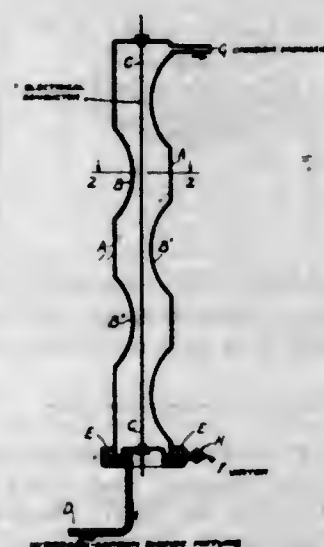


1. In combination with a skate including a rear truck and a frame binding bolt and nut, of a key having one end provided with an opening to surround the nut, and a lug, and a spring rockable at one end on the truck and having its other end formed with a notch to engage the lug for holding the key in place.

1,740,139. APPARATUS FOR THE PRODUCTION OF CARBON MONOXIDE. WILLIAM C. ARSEM, Schenectady, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed May 6, 1925. Serial No. 28,350. 7 Claims. (Cl. 23-288.)

5. In an apparatus for the production of carbon monoxide, a converter shell defining a reaction chamber, the internal walls of which shell provide water-vapor con-

densing surfaces, entrance and exit ports to said converter, a heating element of suitable character to give temperatures of 1000-1200° C. positioned within said reaction



chamber, and a series of baffles adapted to cause the gas passing thru the reaction chamber to alternately contact with the condensing surfaces and with the heating element.

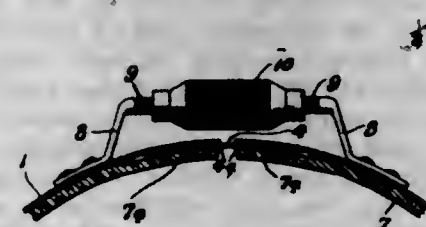
1,740,140. PRODUCTION OF FORMIC ACID. WILLIAM C. ARSEM, Schenectady, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Sept. 12, 1925. Serial No. 56,056. 4 Claims. (Cl. 260-114.)

4. A process for the production of formic acid which comprises subjecting to the action of a cuprous halide catalyst, a gas mixture obtained by the partial conversion of a mixture of carbon dioxide and hydrogen to carbon monoxide and water.

1,740,141. PRODUCTION OF FORMALDEHYDE. WILLIAM C. ARSEM, Schenectady, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Feb. 3, 1926. Serial No. 85,779. 4 Claims. (Cl. 260-138.)

1. A process for the production of formaldehyde and formic acid which consists in passing a mixture of carbon monoxide and water vapor over a catalyst comprising the oxide of a metal forming a weak base, at a temperature between 150 and 350° C. and at a pressure of 10-500 atmospheres, a suitable combination of temperature, pressure and gas mixture being selected so that the water vapor is not appreciably condensed to the liquid form.

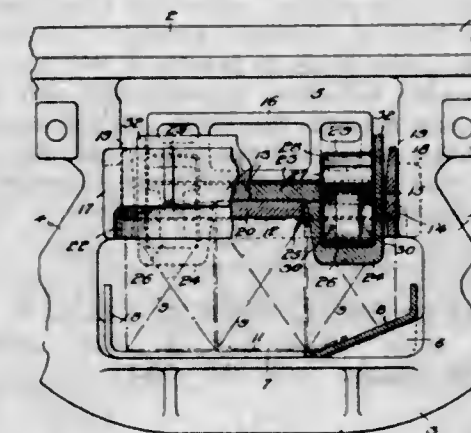
1,740,142. EMBROIDERY HOOP. TAUMAN L. ATKINSON, Ludington, Mich. Filed Mar. 19, 1928. Serial No. 262,963. 3 Claims. (Cl. 45-24.)



1. A parted embroidery hoop of metal having a flat web and rolled edges, a bridging plate of flat metal located between said rolled edges and relatively movable with respect to both ends of the hoop bridging the gap between the ends of said hoop, and means for drawing the ends of said hoop toward each other.

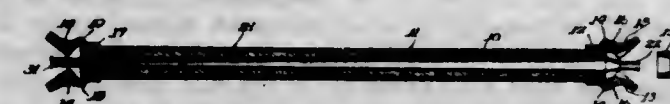
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1,740,143. RAILWAY TRUCK. DONALD S. BARROWS, Rochester, N. Y. Filed Feb. 23, 1928. Serial No. 256,332. 16 Claims. (Cl. 105-187.)



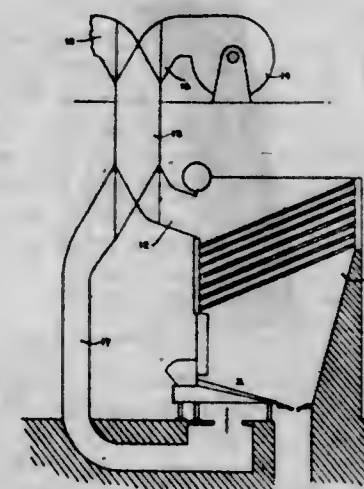
1. A railway truck having side frames formed with compression and tension members, each frame having bolster guide columns connecting intermediate portions of said members, bolster springs disposed between said columns, a spring cap formed with pockets spaced by one of said springs and disposed immediately adjacent and between said columns, rockers in said pockets, and a bolster supported on said rockers and adapted to move laterally thereon.

1,740,144. APPARATUS FOR AND METHOD OF MAKING TUBULAR SHAFTS FOR GOLF CLUBS AND THE LIKE. HAROLD G. BARRETT, Wilmette, Ill., assignor to Pyratone Products Corporation, Chicago, Ill., a Corporation of Illinois. Filed Aug. 3, 1927. Serial No. 210,244. 2 Claims. (Cl. 18-10.)



1. An apparatus for shaping hollow non-metallic shafts and embodying an open ended mold for receiving the shaft, members pivotally connected with the mold and cooperating to form a closure therefor, said members having cooperating recesses to receive a portion of the shaft, means for introducing a fluid into the mold and into the shaft, and means for controlling the introduction of such fluid.

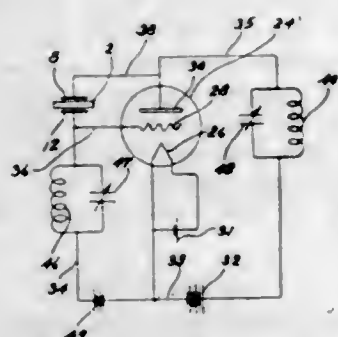
1,740,145. AIR PREHEATER. HARRY H. BATES, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 6, 1926. Serial No. 107,276. 5 Claims. (Cl. 257-245.)



1. An air preheater comprising a plurality of plane surfaced, spaced plates forming an elongated body por-

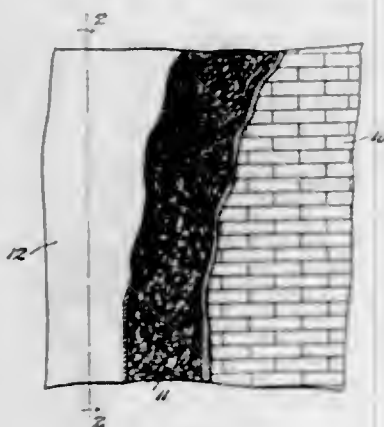
tion having peaked ends with a plurality of passages extending through the body portion between the plates said passages conforming in area to the change in volume of the air being heated, means closing all the passages along the sides of the body portion, outwardly extending wedge-shaped means closing alternate passages on both sides of each of the peaks so as to provide a structure having alternate passages extending therethrough and open at the ends on one side of the peak only, a conduit for passing a heating medium connected to one side of each of the peaks, and a conduit for the air connected to the other side of each of the peaks.

1,740,146. ELECTRICAL METHOD. PAUL S. BAUER, Cambridge, Mass. Filed May 27, 1926. Serial No. 112,029. 10 Claims. (Cl. 250-36.)



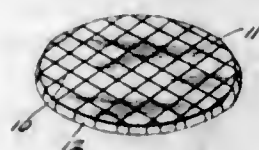
1. A method of producing subsidiary oscillations in an alternating-current system comprising a piezo-electric body, the said system being adapted to oscillate at a frequency corresponding to a dominant normal mode of mechanical vibration of the body, the mechanical vibrations of the body corresponding to the said dominant normal mode being so powerful as to have a tendency to drown out the mechanical vibrations of the body corresponding to the subsidiary normal mode of mechanical vibration of the body, the said method comprising adjusting the reactance of the system to a value such that the system shall oscillate at a subsidiary normal mode of mechanical vibration of the body.

1,740,147. WALL. EMIL BERLINER, Washington, D. C. Filed June 15, 1927. Serial No. 198,932. 7 Claims. (Cl. 72-17.)



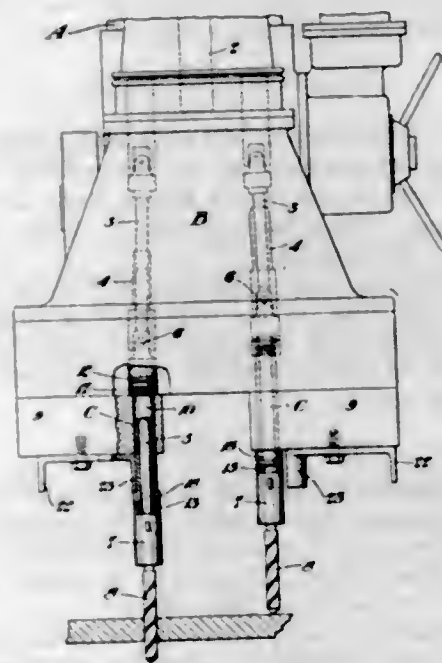
1. A resonant wall consisting of a solid backing, a layer of non-resonant porous material, and a surface layer of resonant cementitious material.

1,740,148. WALL. EMIL BERLINER, Washington, D. C. Filed Feb. 5, 1929. Serial No. 337,653. 4 Claims. (Cl. 72-17.)



1. A cell for acoustic walls consisting of coarse wire mesh material formed with a flange for spacing it from the surface to which it is affixed in use, and a lining for said cell.

1,740,149. MULTIPLE-SPINDLE DRILLING MACHINE. JAMES L. BERNARD, Beaver, and JOHN L. SKEEHAN, Baden, Pa. Filed Dec. 16, 1927. Serial No. 240,556. 1 Claim. (Cl. 77-24.)

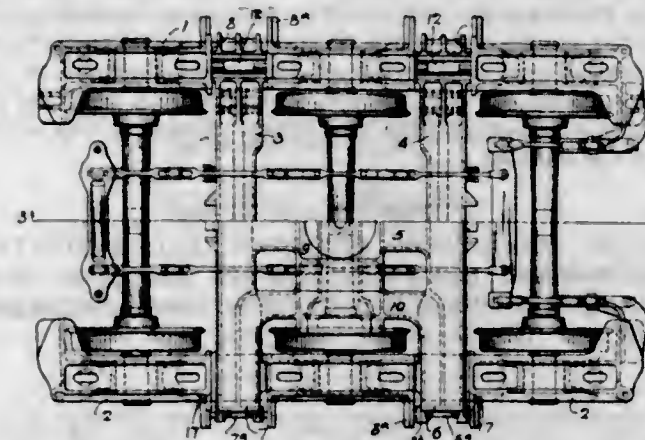


The combination with a drilling machine including a drill head, of a plurality of drill spindles mounted on said head, each of said spindles having a telescoping section, yielding means tending to normally maintain said sections extended, sleeves in which the lower ends of said spindles are rotatably mounted, anti-friction bearings at each end of said sleeves to prevent relative longitudinal movement of the sleeves and said spindles, a bridge member slidable longitudinally relative to said sleeves, integral shoulders on the lower ends of said sleeves, and gag members slidably mounted on said bridge member, said gag members having a U-shaped gage portion adapted to be moved into and out of position between said bridge member and said shoulders on said spindles, said gag members when positioned between said bridge member and said shoulders on said spindles being adapted to cause said bridge member to move said spindles toward the work.

1,740,150. TRUCK FOR RAILROAD VEHICLES. JAMES G. BLUNT, Schenectady, N. Y. Filed Jan. 16, 1928. Serial No. 247,058. 10 Claims. (Cl. 105-188.)

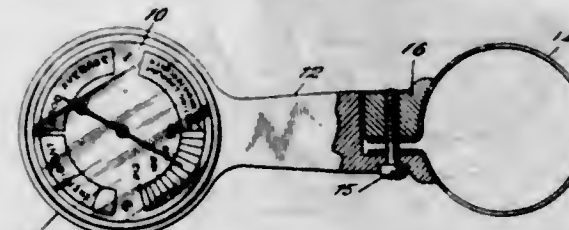
1. In a six wheel truck for railroad vehicles, a frame comprising two side or pedestal members having inter-

locking seats, two transoms, fitted in said seats, and a piece, functioning as a bolster and squaring member for



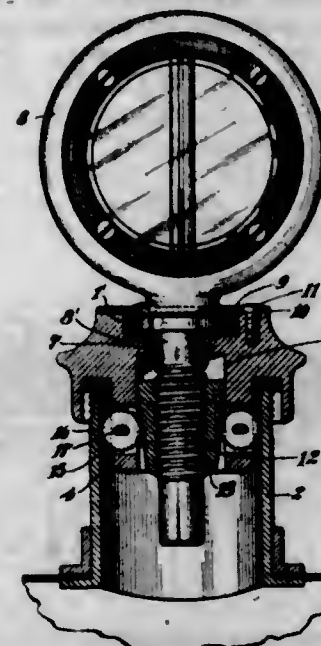
the side frames, and fitting in said seats above the ends of said transoms but capable of limited lateral movement relatively to the frame.

1,740,151. INSTRUMENT BRACKET. HARRISON H. BOYCE, Jericho, N. Y. Filed May 31, 1923. Serial No. 642,720. 2 Claims. (Cl. 224-29.)



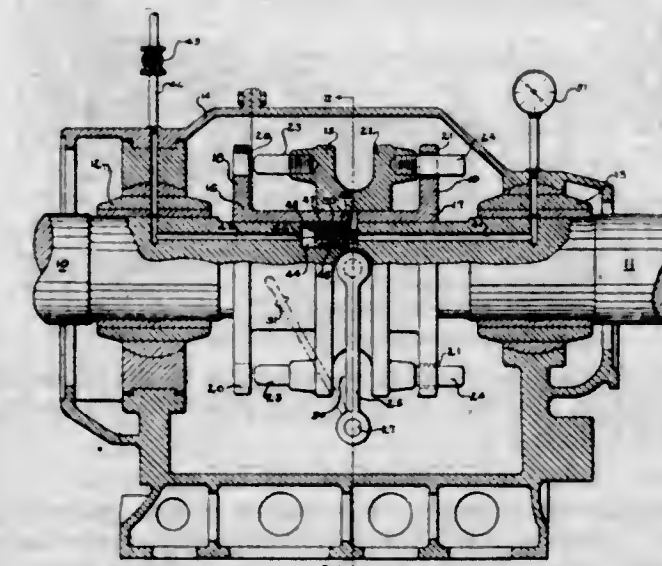
1. Means for mounting a temperature indicating instrument upon an automobile or the like comprising a bracket having an adjustable clamp at one end adapted to engage the automobile steering column and having a ring at the other end adapted to receive an indicating instrument, a cap engaging said ring and means for securing said cap to said instrument and drawing the instrument into frictional engagement with the ring.

1,740,152. RADIATOR-CAP-SECURING DEVICE. HARRISON H. BOYCE, Jericho, N. Y. Filed Mar. 21, 1927. Serial No. 176,898. 7 Claims. (Cl. 220-24.)



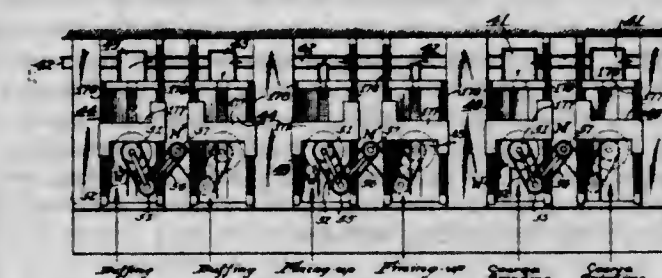
1. In a device of the class described, a radiator filler spout, a closure device therefor, a plurality of rotatable members mounted on said closure device adjacent the inner surface of the filler spout and forced into engagement with the filler spout and rotated to draw the closure device into closed position by rotation of a device for indicating the condition within the radiator mounted on said closure device.

1,740,153. INDICATOR. OZRO N. BRYANT, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 17, 1929. Serial No. 363,979. 6 Claims. (Cl. 116-115.)



1. In apparatus of the character described, the combination of a pair of rotary elements arranged coaxially and having opposed surfaces disposed adjacent one another; each element having a passageway extending through its respective aforementioned surface, and the adjacent ends of the passageways being spaced at substantially equal distances from the axis of rotation; means for delivering fluid under pressure to one of the passageways; and pressure indicating means connected to the other of said passageways.

1,740,154. MACHINE FOR FINISHING STONE. ELMOR A. CHASE, Northfield, Vt. Filed Apr. 28, 1924. Serial No. 709,379. 21 Claims. (Cl. 51-109.)

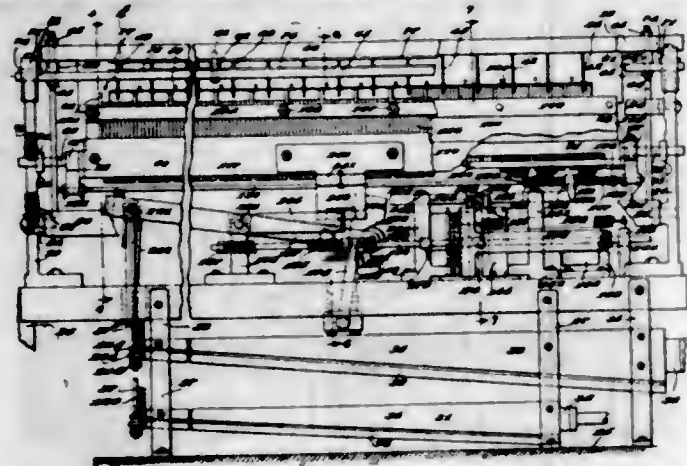


2. A stone finishing machine comprising a rotating wheel, driving mechanism for said wheel, a plurality of bins within each of which a block of stone may be supported, and a rigid foundation for said wheel driving mechanism positioned between two bins, means whereby said wheel may be operated in one bin to perform a grinding operation on the stone therein, and means whereby said wheel may be operated in the other bin to perform a similar grinding operation on the stone therein.

1,740,155. ORGAN-STOP CONTROL. FRANCIS B. CONVERSE, Westport, Conn., assignor to Skinner Organ Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 26, 1928. Serial No. 328,499. 11 Claims. (Cl. 84-345.)

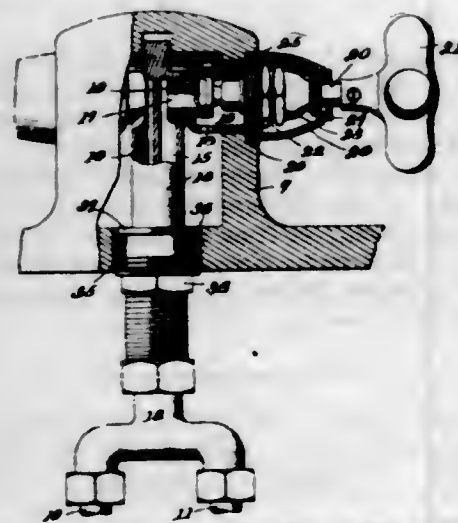
1. An organ stop control mechanism comprising a plurality of reciprocable stop control slides, a pair of pivotally mounted fans, pins slidably mounted in the fans each pin in one fan being so connected with the opposite pin in

the other fan that when one pin is raised its opposite pin is lowered and means for reciprocating the fans as a unit



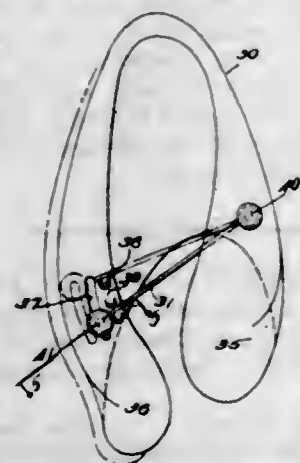
until certain pins in the fans correspond to the slides and for rocking the fans to bring the pins into engagement with the slides.

1,740,156. LAVATORY. RAYMOND E. CRANE, Ford City, Pa., and TOBIAS J. KAUFMAN, Chicago, Ill. Filed Jan. 2, 1929. Serial No. 329,862. 13 Claims. (Cl. 4—194.)



8. In a lavatory, the combination with a basin and adjoining slab, of an upstanding hollow portion or housing formed integral with said slab, means for independently admitting hot and cold water into said housing, means for permitting the discharge of said water from the housing into the basin, a drain for said basin, separate valve mechanism for controlling the hot and cold water, mounted in the opposite sides of said housing, and an operating rod also supported by the housing in the rear of said valve mechanism for controlling said drain.

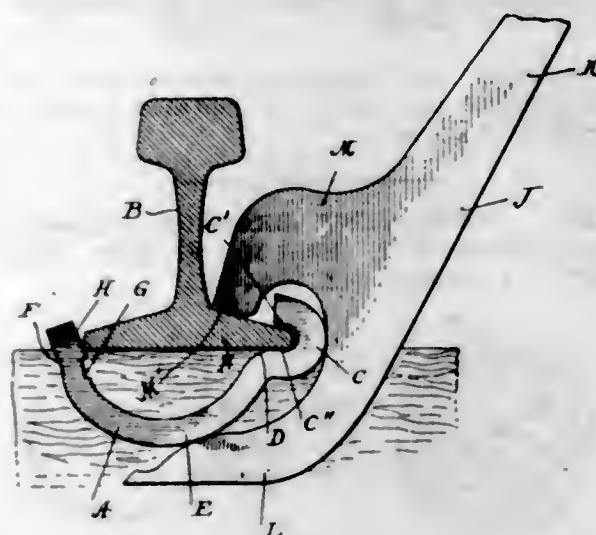
1,740,157. SHOE FORM. WILLIAM J. DE WITT, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a Corporation of New York. Filed Apr. 25, 1929. Serial No. 357,947. 12 Claims. (Cl. 12—128.4.)



1. A shoe form comprising a hollow toe member of resilient material, a cross bar pivotally attached at one end

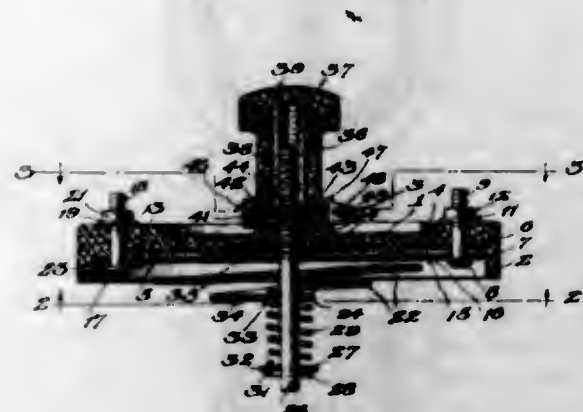
to one wall of the toe member and guiding means associated with the opposite wall of the member and with the other end of the cross bar whereby the pivotal movement of the cross bar causes the width of the toe member to increase or decrease, and a plurality of means independent of the guiding means for engaging the cross bar and resisting its pivotal movement and the consequent change in the width of the toe member.

1,740,158. TOOL FOR APPLYING AND REMOVING ANCHORING DEVICES. AUGUST DINKLAGE, East Orange, N. J. Filed June 24, 1925. Serial No. 39,232. 4 Claims. (Cl. 81—3.)



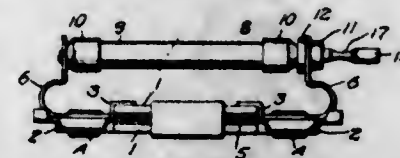
1. A tool for applying and removing rail anchors which comprises a dependent fulcrum portion adapted on rotation of the tool to engage a rail flange at a point above the base and spaced from a further depending portion which presents a surface adapted to abut against an extremity of the anchor on rotation of the tool, and a line projecting in the same plane as the fulcrum portion and adapted to engage a rail anchor at a point below the base.

1,740,159. VARIABLE CONDENSER. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser Corporation, a Corporation of Delaware. Filed Jan. 18, 1924. Serial No. 686,546. 6 Claims. (Cl. 175—41.5.)



1. A variable condenser comprising, a support, a fixed element carried by the support, a rotatable screw-threaded member, a spiral movable element, a screw-threaded shaft with a channel therein whose threads engage the threads of the screw-threaded member, a washer fixed to the support between the screw-threaded member and the support, a lug on the washer fitting into the channel of the shaft, and means operated by the reciprocation of the shaft to progressively press the spiral element against the fixed element.

1,740,160. SUPPORT FOR RESISTANCES. WILLIAM DUBILIER, New Rochelle, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed May 2, 1925. Serial No. 27,610. 12 Claims. (Cl. 250—16.)



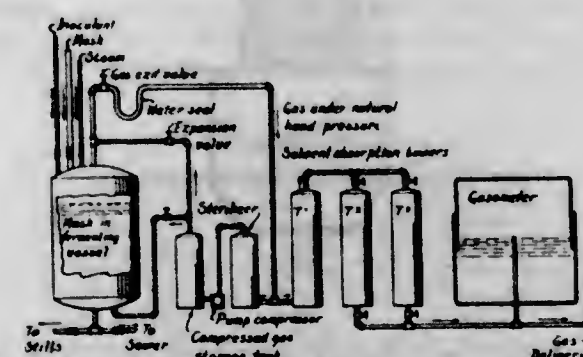
8. A condenser and grid leak having clips connected to the condenser terminals with an insulating bushing carried by at least one of said clips.

1,740,161. DEVICE FOR THE REPRODUCTION OF SOUND. CHARLES HUGH DUFFY, Miami, Fla. Filed Feb. 28, 1929. Serial No. 343,424. 12 Claims. (Cl. 179—1.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



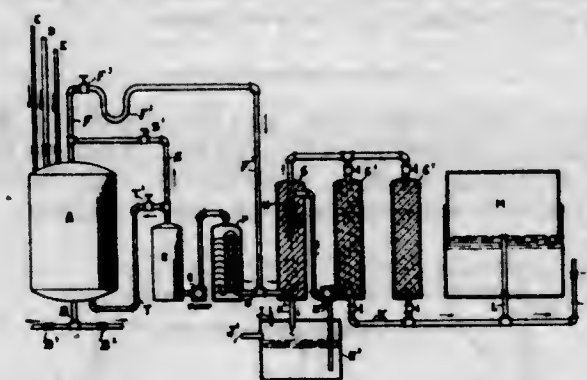
1. A device for reproducing sound including a diaphragm, a plurality of diaphragm actuating units for impressing sound producing impulses on the diaphragm at different points thereon, an electrical circuit for two of the actuating units to cause the two units to impress like positive sound producing impulses on the diaphragm simultaneously at two different points on the diaphragm, an electrical circuit for the two actuating units to reverse the direction of flow of the pulsating current to one of the units with respect to the other of the units, to cause one of the units to impress positive sound producing impulses at one point on the diaphragm and to cause the other unit to simultaneously impress negative sound producing impulses at another point on the diaphragm, and an electrical switch for connecting the two units in either of the two circuits.

1,740,162. BUTYL ACETONIC FERMENTATION PROCESS. WILLIAM J. EDMONDS, Baytown, Tex., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Apr. 3, 1926. Serial No. 99,565. Renewed May 24, 1929. 9 Claims. (Cl. 260—135.)



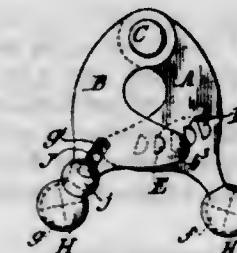
1. A process for the production of butyl alcohol, acetone, and fermenter gas which comprises, displacing fermenter gas in a fermenting vessel by a carbohydrate mash, causing said mash to be fermented by butyl-acetonic bacilli in an atmosphere of fermenter gas, leading off the gas generated by the fermentation, and displacing the fermented mash by fermenter gas.

1,740,163. FERMENTATION APPARATUS. WILLIAM J. EDMONDS, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Apr. 3, 1926. Serial No. 99,566. 2 Claims. (Cl. 195—19.)



2. In a fermentation apparatus, the combination of a fermentation vessel hermetically closed to the atmosphere and provided with a valved mash outlet, a valved fermentation gas outlet, a valved fermentation gas inlet, a solvent absorption system connected to the gas outlet, the improvement which comprises a sterilizer connected to the gas inlet and means for feeding a fraction of the produced fermentation gas through the sterilizer and the gas inlet into the bottom of the fermentation vessel while the gas outlet is open.

1,740,164. CLIP. MORRIS EICHENBLATT, Brooklyn, N. Y. Filed Nov. 9, 1928. Serial No. 318,176. 4 Claims. (Cl. 132—36.1.)



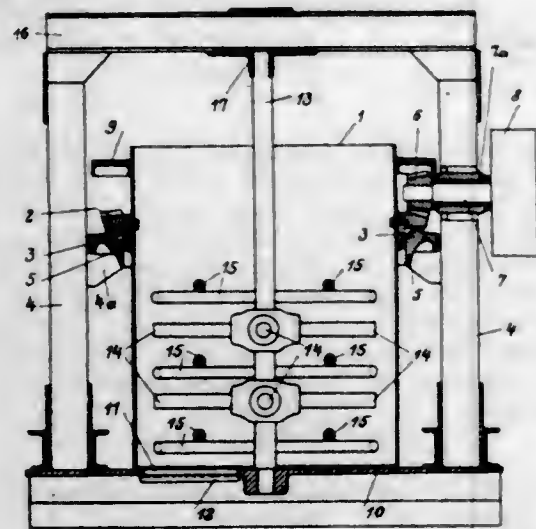
2. A clip comprising a pair of substantially flat elements pivotally connected together near one end and movable about said pivot in parallel planes, co-engaging means on the complementary faces of said elements in proximity to their other end for latching them together, means for moving said elements into and out of latching engagement comprising an integral projecting part on each of said elements, a third element disposed in coincident relation to one of the pair of elements and having a projecting part in substantially coincident relation to the projecting part of said element, the third element having a slot in its projecting part through which an offset portion on the projecting part of the element coincident with said third element extends, whereby said coincident elements are rendered movable as a unit about the pivot, the projecting parts on the coincidently disposed elements being capable of limited relative movement in a direction transverse to the planes of the elements and adapted for simultaneous engagement by the fingers of an operator, and when so engaged and pressure is applied thereto, one of the elements will be moved to unlatch the co-engaging means on said elements.

1,740,165. METHOD FOR REMOVING CHLORINE IONS FROM ELECTROLYTIC SOLUTIONS. VICTOR ENGELHARDT, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Dec. 15, 1926. Serial No. 155,106, and in Germany Dec. 31, 1925. 1 Claim. (Cl. 204—57.)

The method of removing chlorine ions from metal-bearing chlorinated liquid electrolytes, which consists in elec-

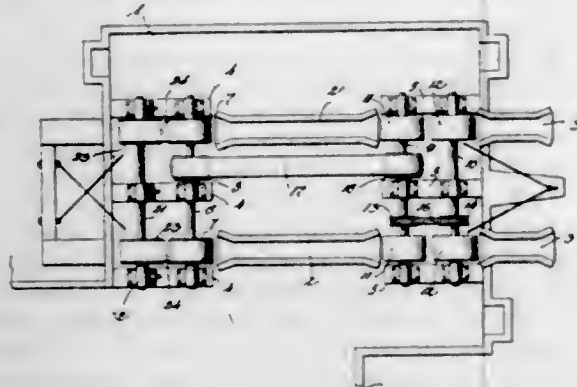
trolyzing the liquid with a silver anode at a voltage sufficient to dissolve silver, for a length of time sufficient to cause a quantity of silver ions at least chemically equivalent to the quantity of chlorine ions present to be dissolved in the electrolyte, at a temperature at which silver chloride is insoluble in such electrolyte, with a resulting precipitation of silver chloride in a flaky condition.

1,740,166. MACHINE FOR MIXING TWO OR MORE SUBSTANCES WITH EACH OTHER. HJALMAR ERIKSSON, Skoldinge, Sweden. Filed Nov. 9, 1927. Serial No. 232,163, and in Sweden June 16, 1927. 2 Claims. (Cl. 259—3.)



1. A mixing machine, comprising, in combination, a revolvable drum, sets of rods traversing said drum at some distance from its longitudinal axis and being affixed to the wall of said drum, sets of radially extending rods located in planes between the planes of said first-mentioned rods, a centrally arranged stationary holder for said radially extending rods, and means for causing said drum to revolve.

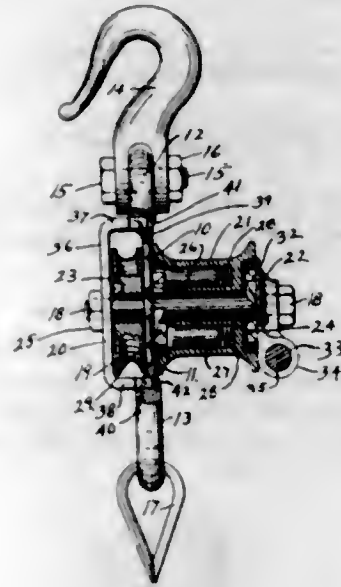
1,740,167. TESTING STAND. CHARLES H. FENNEL, Detroit, Mich. Filed July 15, 1926. Serial No. 122,544. 4 Claims. (Cl. 73—51.)



1. A testing stand for motor vehicles comprising rollers adapted to support and to be driven by the rear wheels of an automobile, pairs of aligned rollers journaled in advance of the first named rollers, belts passed around said aligned rollers and adapted to support the front wheels of an automobile, and means for driving the aligned rollers from said first named rollers.

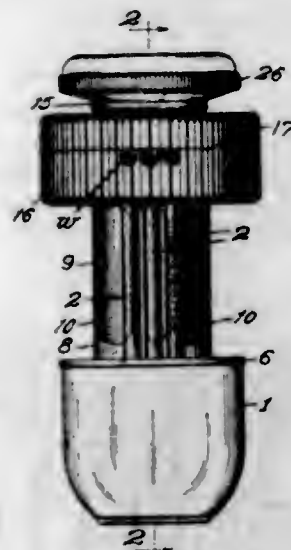
3. A testing stand for motor vehicles comprising forward and rear pairs of aligned rollers, the rear pairs being adapted to support and to be driven by the rear wheels of an automobile, belts passed around said forward aligned rollers and adapted to support the front wheels of an automobile, and means for driving the forward rollers from the rear rollers.

1,740,168. PULLEY BLOCK. WAGER FISHER, Bryn Mawr, Pa., assignor to A. Bishop Chance, Centralia, Mo. Filed Feb. 25, 1925. Serial No. 11,609. 2 Claims. (Cl. 254—107.)



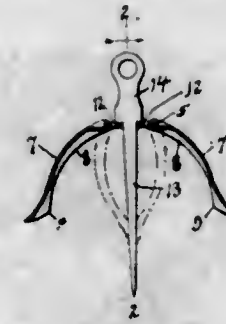
1. The combination in a pulley block, of a flat body member having three openings and ears at each end thereof extending in opposite directions in the plane of the body member, a pulley axle bolt passing through one of the openings of the said body member transversely thereof, an idler pulley mounted to turn about said bolt on one side of said member, a shield having three sides surrounding said idler pulley and engaging said bolt, two of the sides of said shield having tapered ends adapted to engage and wedge into the other openings in said member, a winding drum on the axle bolt, and pawl and ratchet connections between the winding drum and body member.

1,740,169. HAIR-CURLING DEVICE. SAMUEL FREEMAN, New York, N. Y., assignor to Paragon Distributing Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 26, 1928. Serial No. 261,594. 8 Claims. (Cl. 132—36.)



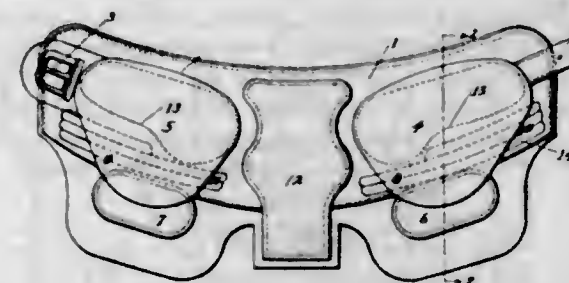
1. A hollow hair curling device adapted to be heated and adapted to impart the heat thereof to a lock of hair located in the interior thereof, and a plurality of adjustable means adapted to regulate the escape of heat from the interior of the said device, one of said adjustable means being adapted to control the escape of heat in an axial direction, the other of said adjustable means being adapted to control the escape of heat in a direction lateral to said axial direction.

1,740,170. LEMON-SLICE SQUEEZER. PAUL GLAMZO, New York, N. Y. Filed Sept. 28, 1929. Serial No. 395,776. 4 Claims. (Cl. 100—41.)



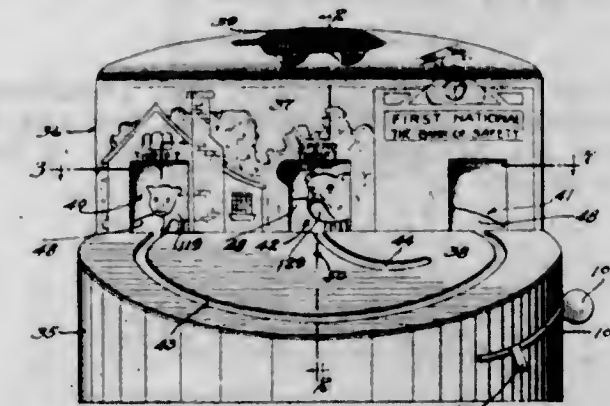
4. A lemon slice squeezer comprising a plate of rectangular shape, aligning trunnions on the longer edges of the plate near the corners thereof, jaws of U-channel, cross-section hinged on the trunnions of the plate with the sides of the channels, said channels near the plate having portions thereof cut out in the bottom to form flat springs engaging the plate, said plate having recesses for accommodating the ends of said spring when the jaws are moved towards one another, said spring normally parting said jaws, the sides of said channels at the free ends thereof forming prongs, and a pin extending from the plate between the jaws, and a head from said pin above the plate.

1,740,171. ATHLETIC PROTECTIVE DEVICE. HUGO GOLDSMITH, Cincinnati, Ohio, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 31, 1928. Serial No. 316,299. 1 Claim. (Cl. 2—2.)



An athletic protective device comprising a waist enclosing band with protective guard members secured to the band so that they will overlie the kidneys of a wearer, said band being flexible below said guard members and shock resisting portions unattached at their lower ends extending downwardly from said guard members, said portions being formed integrally with said guard members and having curved lines of articulation relative thereto.

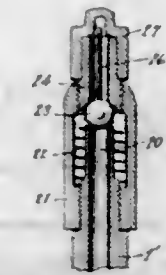
1,740,172. SAVINGS BANK AND TOY. INGVALD J. A. HAGEMO, Minneapolis, Minn., assignor, by means assignments, to J. E. Ridenour, Waterloo, Iowa. Filed June 21, 1926. Serial No. 117,384. 14 Claims. (Cl. 46—40.)



10. In a device of the class described a rotatable member, propelling means for the rotatable member, a carrier

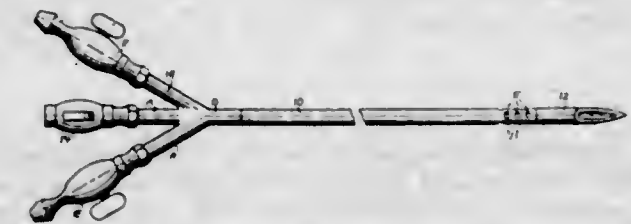
mounted on the rotatable member for a limited circumferential movement in respect thereto, yielding means normally holding the carrier in a predetermined position on the rotatable member, a figure pivoted to the carrier for movement from a natural to an unnatural position, and a stop member arranged to be engaged by a part on the figure to retard the movement of the carrier and to permit the rotatable member to move in respect thereto, said figure being arranged to be moved into an unnatural position by its engagement with the stop means and out of engagement with the stop member and returned to normal position on the rotatable member by said yielding means.

1,740,173. TIRE VALVE. HOMER HASTING, Detroit, Mich. Filed Dec. 5, 1927. Serial No. 237,762. 1 Claim. (Cl. 152—12.)



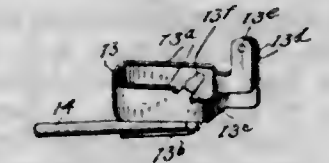
In a tire valve, a threaded hollow stem, a casing having a shoulder threaded on said stem, a valve seat in said casing, a coil spring adapted to surround said stem and supported on said shoulder in said casing, and a ball check valve mounted on said spring for cooperating with said valve seat.

1,740,174. EMBALMER'S TROCAR. EARL RAMSEY HEVERN, Oxford, Iowa. Filed Sept. 10, 1928. Serial No. 304,995. 5 Claims. (Cl. 128—347.)



1. In a device of the class described, an elongated tube having ports near one of its ends, a trocar point secured to the end of said elongated tube having said ports, a pipe secured to the other end of said tube, three branch pipes integrally formed on and communicating with the free end of said pipe; one of said branch pipes having its bore in a plane with the bore of said tube, a valve secured to the free end of said branch pipe having a bore in the same plane as the bore of said tube, a manually operated valve secured to the free ends of each of the remaining branch pipes and a nipple integrally formed on each of the two last mentioned valves designed to each receive one end of a hose.

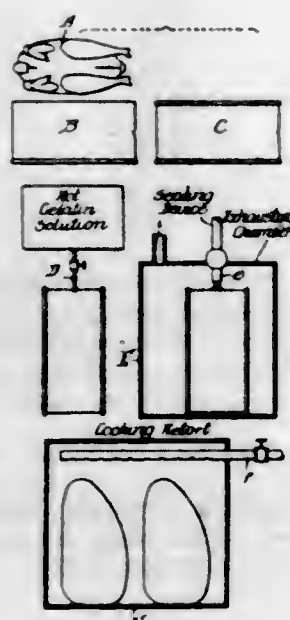
1,740,175. FILM HANGER. GEORGE W. HOPKINS, Cleveland, Ohio. Filed Sept. 15, 1926. Serial No. 135,534. 1 Claim. (Cl. 24—84.)



A clip of the character described comprising a single piece of spring metal doubled upon itself to form two sub-

stantially parallel body portions, a pair of crossed jaws formed integral with said body portions and laterally offset therefrom and normally urged toward each other, an abutment on one of said portions to thereby limit the movement of said jaws in the opposite direction, and a hook-shaped clamp formed integral with one of said body portions and adapted to engage a support.

1,740,176. POULTRY PACKAGE AND METHOD OF MAKING SAME. JAY C. HORMEL, Lansing Township, Mower County, and HORACE H. CORKY and EDWIN J. CASHMAN, Austin, Minn., assignors to Geo. A. Hormel & Company, Austin, Minn., a Corporation of Delaware. Filed Apr. 8, 1929. Serial No. 353,290. 10 Claims. (Cl. 99-8.)



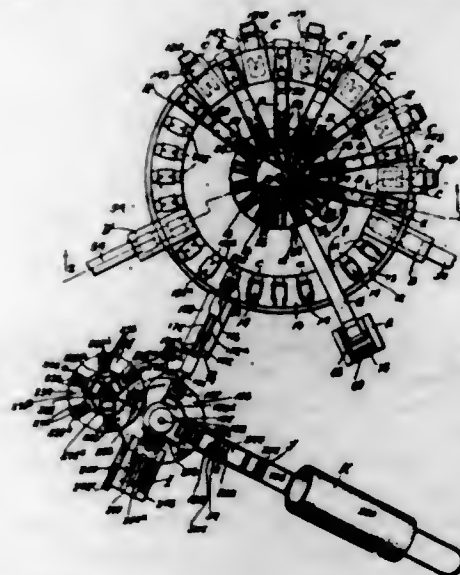
2. A method of packaging poultry which comprises providing a fowl carcass suitably dressed for cooking, placing the carcass in a container of such size and contour as to hold it against any substantial extent of movement therein, approximately filling the remaining space in the container with a hot gelling solution containing salt exhausting air from the container, hermetically sealing the container to confine the carcass and solution therein, subjecting the container and its contents to heat to an extent adequate to cook the fowl and sterilize the same, and finally cooling the container and its contents to set the solution as a supporting and preserving envelopment in contact with the carcass.

3. A merchantable package of poultry comprising a dressed fowl carcass hermetically sealed and cooked in a container, said container having wall portions engaging the fowl to hold it against movement in the container to any substantial extent, and a set edible gelatin solution filling the space in the container about the carcass, said gelatin solution including a proportion of salt amounting to about 3%.

1,740,177. CONDENSER-ASSEMBLING MACHINE. CHARLES HORTON, Ridgely Park, N. J., HARRY R. VAN DEVENTER, New York, N. Y., and ANATOLE C. HEINY, Ridgely Park, N. J., assignors, by direct and mesne assignments, to Duillier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 2, 1925. Serial No. 289. 32 Claims. (Cl. 29-84.)

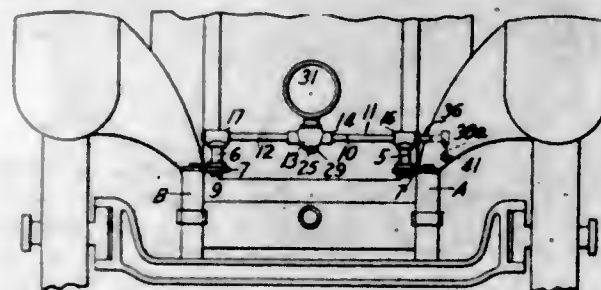
1. Apparatus for producing condensers comprising parts for forming the stack of the condenser by combining alter-

nate layers of metal foil and insulation, parts for disposing cover plates on the opposite faces of said stack, parts for bodily moving the stack, parts for attaching clips to the opposite ends of said stack, parts for securing said clips



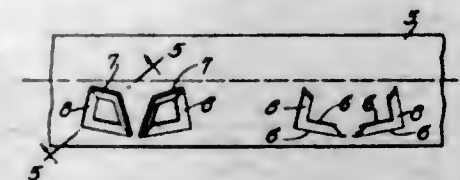
to the stack by riveting, and parts for impregnating and drying the condenser, together with connections for controlling and driving said parts to perform their functions in the order required.

1,740,178. DIRIGIBLE HEADLIGHT. GEORGE S. KACK, Pasadena, Calif., assignor to Pilot Ray Corporation, Wilmington, Del., a Corporation of Delaware. Filed Apr. 6, 1927. Serial No. 181,327. 10 Claims. (Cl. 240-62.)



1. In a dirigible headlight mechanism, a tubular member adapted to extend transversely to the frame of an automobile, means for pivotally and slidably connecting one end of said transverse member with said frame and for holding the same normally against sliding movement, means controlled by the sliding movement of said transverse member for detachably connecting the other end thereof with said frame, a headlight pivotally mounted on said transverse member, operating mechanism for said headlight comprising a shaft mounted in said tubular transverse member, a second shaft supported independently of and extending into said tubular transverse member, and means controlled by the longitudinal movement of said transverse member for connecting and disconnecting said shafts.

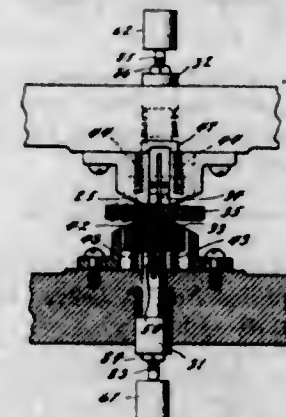
1,740,179. PARTITION STRIP FOR COMPOSITION FLOORING. WILLIAM G. KELLEWEAY, New York, N. Y. Filed Jan. 31, 1929. Serial No. 336,485. 2 Claims. (Cl. 94-17.)



1. In a partition strip for composition flooring, a pair of adjacent wings struck from the strip and bent upwardly

into spaced relation with the strip, said adjacent wings cooperating with the strip for forming a cement receiving pocket, the lower ends of the wings being in close spaced relation, while the upper ends thereof are relatively widely separated to provide a substantially conical shaped pocket.

1,740,180. BELT-LACING MACHINE. CARL B. LARSON, Maplewood, N. J., assignor to C. B. Larson & Co., Inc., Irvington, N. J., a Corporation of New Jersey. Filed Aug. 24, 1927. Serial No. 215,030. 9 Claims. (Cl. 1-49.4.)



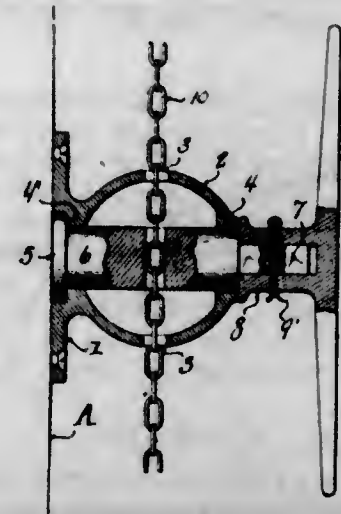
1. In a lacing machine the combination of means for holding the material to be laced, means for holding a plurality of hooks, means for ejecting said hooks, means for clinching said hooks comprising a plurality of anvils and hammers on opposite sides of the material, and means for supporting the hooks in position to be clinched through the material between said hammers and anvils.

1,740,181. BELT LACING. CARL B. LARSON, Maplewood, N. J., assignor to C. B. Larson & Co., Inc., Irvington, N. J., a Corporation of New Jersey. Original application filed Aug. 24, 1927. Serial No. 215,030. Divided and this application filed July 25, 1928. Serial No. 295,205. 1 Claim. (Cl. 24-31.)



A fabric belt lacing comprising a plurality of hooks piercing each end of the belt, the shanks of said hooks crossing each other adjacent the ends of the belt, a binding member over each end of the belt and in engagement with the said shanks near the cross-over whereby the ends of the belt are prevented from raveling.

1,740,182. BOLT-CONTROLLING FIXTURE. EMIL LAZAR, Milwaukee, Wis. Filed Mar. 11, 1929. Serial No. 346,185. 1 Claim. (Cl. 292-347.)



A bolt controlling fixture for doors comprising a housing having a retaining flange and a spherical dome extend-

ing therefrom, the same being provided with aligned runner apertures and front and rear bearing apertures, the rear bearing apertures being exteriorly shouldered, a head stud shouldered in the bearing apertures, a shank extending from the stud exteriorly of the dome portion thereof, a bolt controlling lever in engagement with the rectangular shank, and bolt controlling runners connected to the stud.

1,740,183. IRONING TABLE. CLARENCE B. LENNEY and GEORGE P. LENNEY, Warren, Ohio, assignors to The Youngstown Pressed Steel Company, Warren, Ohio. Filed Dec. 17, 1926. Serial No. 155,496. 2 Claims. (Cl. 68-10.)



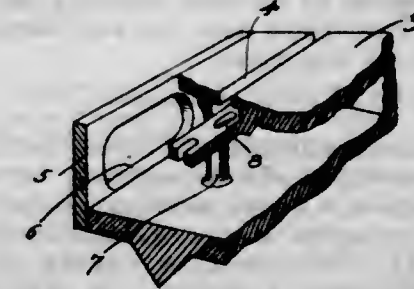
1. An ironing table comprising a casing, means for supporting the casing, an ironing board supported upon the casing, spaced flanges carried at the under side of the board, a clamping bar pivoted for swinging movement between the flanges, a cover extending around the ironing board and having overlapping portions adapted to be clamped by the bar between the flanges and means for securing the casing to the board.

1,740,184. CLOSURE FOR RECEPTACLES. MICHAEL LEVIN, Brooklyn, N. Y. Filed Apr. 27, 1927. Serial No. 186,969. 18 Claims. (Cl. 215-38.)



1. A closure for receptacles, comprising a metallic cap, a sealing disk, and an interposed cementing medium composed of a heat-coagulated material and a substance set by heat and which has a tendency to directly accelerate the coagulation of said first-mentioned material.

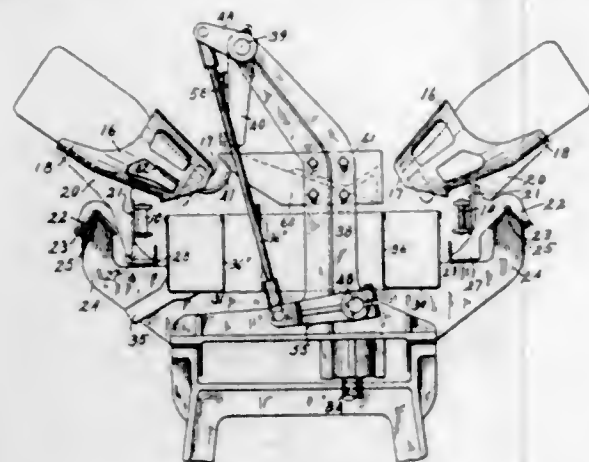
1,740,185. METAL PLANNER. CARL E. LINDEN and GEORGE H. LANGEN, Cincinnati, Ohio, assignors to The Cincinnati Planer Company, Cincinnati, Ohio, a Corporation of Ohio. Original application filed Feb. 16, 1922. Serial No. 537,061. Divided and this application filed Apr. 8, 1925. Serial No. 21,657. 2 Claims. (Cl. 90-58.)



1. In a metal working machine a table for carrying work past the tools, said table being formed with a hollow

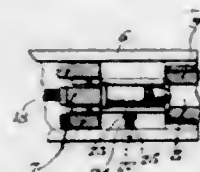
interior, grooves in the table extending the full length of said table for engagement with work clamping devices, and spaced openings extending throughout the length of the grooves communicating with the interior of the table, and means for access into the interior of the table for removal of metal particles falling through said openings, and webs reinforcing the grooved portions of said table.

1,740,186. BOTTLE-DECAPPING APPARATUS. ADOLPH J. LIPPOLD, Milwaukee, Wis., assignor, by mesne assignments, to Cherry-Burrell Corporation, Cedar Rapids, Iowa, a Corporation of Delaware. Filed Jan. 28, 1928. Serial No. 250,290. 26 Claims. (Cl. 221-69.)



1. Bottle decapping apparatus including the combination with a receiver for the bottle contents, of a carrier adapted to convey bottles to a position for a discharge of their contents into the receiver and a cap removing hook supported for reciprocation over one wall of the receiver for withdrawal of the bottle caps while the bottles are in such position.

1,740,187. FIREARM. CRAWFORD C. LOOMIS, Illon, N. Y., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed Dec. 14, 1926. Serial No. 154,672. 1 Claim. (Cl. 42-17.)

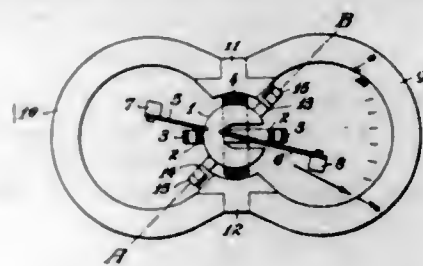


In a firearm comprising a chamber, a receiver and a magazine adapted to contain cartridges to be transferred one at a time through the receiver to the chamber, a reciprocating breech block in the receiver movable to engage and transfer a cartridge from the receiver into the chamber, a cartridge stop adapted to resiliently bear against the bullet and body of said cartridge to thereby support the same and to yield under pressure from said cartridge when moved by said breech block, said stop comprising a horizontally and transversely slidable pin having a cartridge engaging portion at its inner end, an abutment on said pin, a screw positioned in the side wall of said receiver and having an aperture receiving said pin, and a coil spring surrounding said pin and bearing against said abutment and said screw.

1,740,188. RESISTANCE-MEASURING INSTRUMENT. MORITZ MARTENS, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Mar. 11, 1927, Serial No. 174,684, and in Germany Mar. 20, 1926. 5 Claims. (Cl. 171-95.)

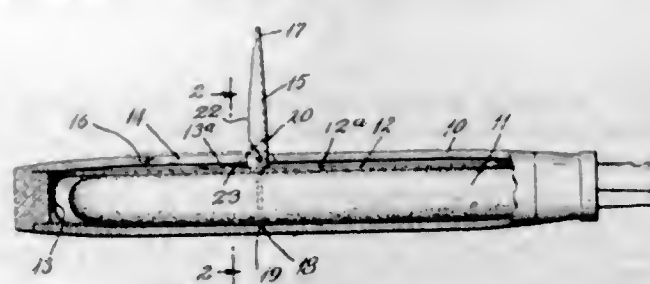
2. In a resistance measuring instrument the combination of a closed permanent magnet having pole pieces at its

inside, and a cross coil system movably disposed in the field of said magnet, said system including a current controlled coil and two voltage controlled coils rigidly



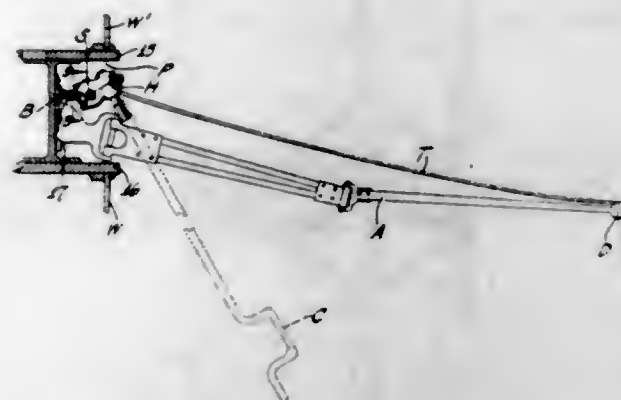
secured thereto, one of said last-named coils mounted inside the other one and said last-named coils being adapted to produce such torques in the position for infinite resistance as will nearly cancel each other.

1,740,189. FOUNTAIN PEN. CLINTON E. MARSHALL, Brooklyn, N. Y. Filed Nov. 6, 1926. Serial No. 146,681. 2 Claims. (Cl. 120-46.)



1. The combination with the barrel of a self-filling fountain pen including a compressible sack within said barrel, a bar within the barrel and adapted to compress said sack, and an elongated aperture in the wall of said barrel, of a plunger pivotally, slidably and detachably mounted in connection with the apertured portion of said barrel, a ring arranged within the barrel adjacent one end of said aperture, said plunger being in the form of an elongated body of channel cross sectional form, the side walls of said channel body at one end thereof having recesses opening outwardly through the edges of said walls and arranged at an inclination to the longitudinal plane of said body and in which said ring is arranged to pivotally support the plunger in connection with said barrel, and the recesses in said plunger permitting the radial movement of the plunger on said pivot and with reference to the barrel of the pen in the attachment and detachment of the plunger, and said bar cooperating with the plunger to maintain said plunger in the different positions thereof.

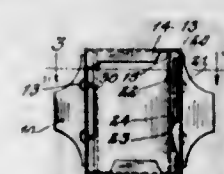
1,740,190. AWNING-ACTUATING MECHANISM. EARL MARTIN, Los Angeles, Calif. Filed Jan. 4, 1928. Serial No. 244,485. 3 Claims. (Cl. 156-44.)



2. In an awning-actuating mechanism, a bracket having arcuate extensions which are slotted and coact in order to form an arcuate socket, a housing having a head portion which conforms to, and is adjustable in, said socket.

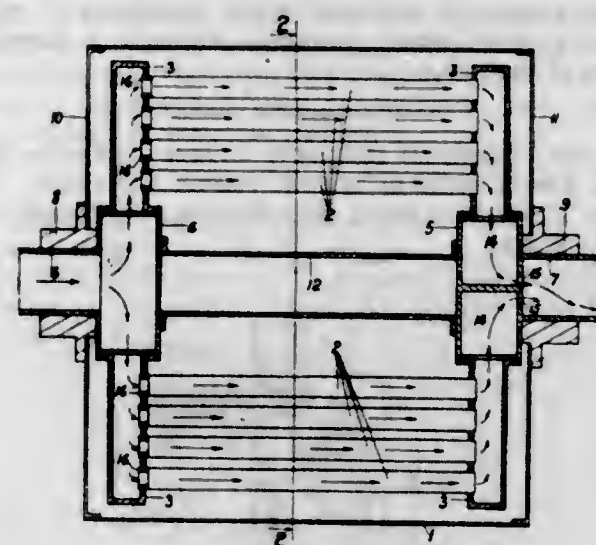
a shaft journaled in the head portion, an actuating shaft journaled in the housing and disposed tangentially of the first shaft, an operative connection between the two shafts disposed within the housing, and fastening members carried by the head portion and working within said slots so as to secure the head portion in an adjusted position therein and thereby to maintain the actuating shaft in a fixed position with respect to the first shaft.

1,740,191. GEM OR STONE SETTING. VALENTINE MARTINKOVICH, New York, N. Y. Filed Mar. 8, 1926. Serial No. 93,193. 1 Claim. (Cl. 63-29.)



In combination with a gem having grooves in the side edges thereof; of a setting therefor comprising a frame, a staple carried on one side thereof fitting in the groove at one side edge of the gem, a key movable in said frame and having a tongue thereon adapted to engage the groove in the opposite side edge of said gem and means in said frame adapted to engage said key in one position to lock same and correspondingly said gem against casual displacement, said last mentioned means also engaging the last mentioned groove of said setting, as and for the purposes described.

1,740,192. HEAT EXCHANGING DEVICE. CHARLES MCNEIL, Glasgow, Scotland. Filed Dec. 11, 1928, Serial No. 325,862, and in Great Britain July 11, 1928. 1 Claim. (Cl. 257-79.)

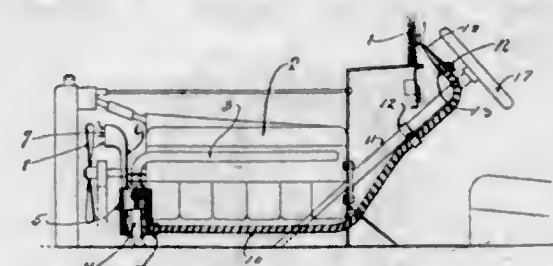


In combination with a liquid-containing vessel, coaxial fluid inlet and outlet connections and a structure in communication with said connections and rotatable around the axis of said connections, said structure comprising a box connected to the fluid inlet connection, a box connected to the fluid outlet connection, a set of headers radiating from each box, banks of tubes connecting said sets of headers, internal ferrules at the ends of the tubes adjacent to the first box and partitions subdividing the second box into compartments, one compartment for each header connected to that box.

1,740,193. ANTIFROST DEVICE FOR WINDSHIELDS. HARVEY H. MONTGOMERY, Sauk City, Wis. Filed Feb. 9, 1927. Serial No. 166,919. 1 Claim. (Cl. 257-241.)

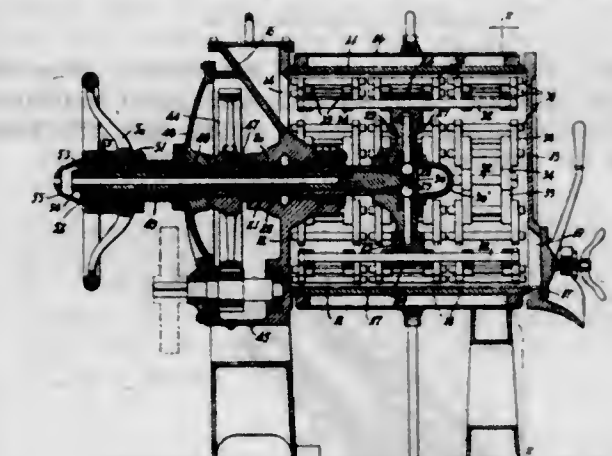
In a device of the class described, a two-part drum having aligned openings in the ends thereof and an outlet

through the side adjacent one end, a heater pipe extending through the aligned openings, an air inlet at one end of the drum, a nozzle, a substantially flat flared end on said



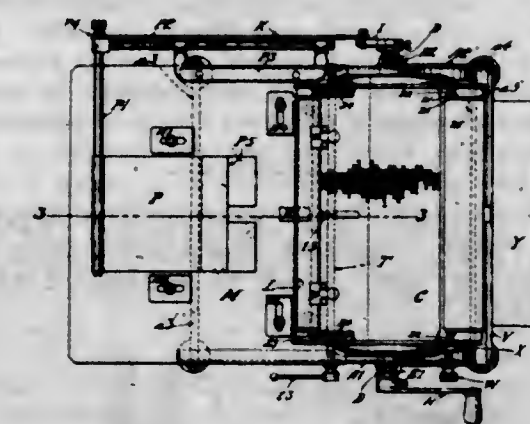
nozzle, a damper in the nozzle, a handle connected with the damper and a flexible tubing having one end connected with the outlet of the drum and its other end connected to the nozzle.

1,740,194. CRUSHING, GRINDING, AND REFINING MACHINE. SWINFEN BRAMLEY-MOORE, White Plains, N. Y., assignor to Bramley Machinery Corporation, New York, N. Y., a Corporation of New York. Filed June 18, 1929. Serial No. 371,817. 8 Claims. (Cl. 83-11.)



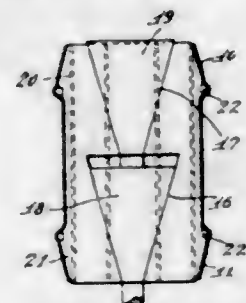
1. In a grinding machine, a body, and rods disposed side by side and having their ends welded to said body to provide a ribbed grinding surface, said rods being disconnected between their ends from said body.

1,740,195. ROTARY DUPLICATOR. CLARENCE E. MORRISON, Albany, N. Y. Filed Mar. 7, 1928. Serial No. 259,642. 11 Claims. (Cl. 101-118.)



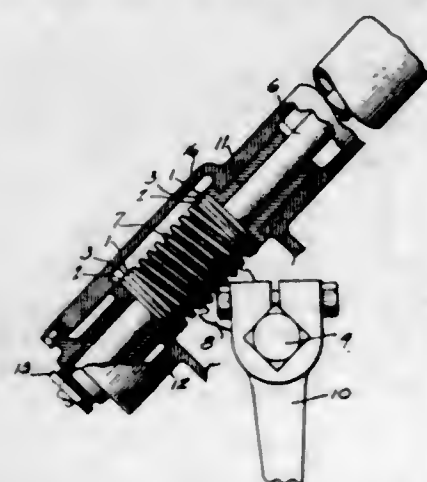
1. In a rotary duplicator comprising a frame with a feeding table and stencil-carrying cylinder mounted thereon; a press roll adjacent said cylinder and journaled in carriers vertically reciprocable in said frame, springs normally forcing said hangers upward to carry the press roll into operative relation to said cylinder, and a locking member adapted to automatically move into position to block the return of said hangers after being forced downward by said cams, and to be moved to an inoperative position by the feeding forward of a piece of work.

1,740,196. PROCESS OF MAKING METALLIC CASKS. ALFRED J. MUELBACH, South Pasadena, Calif., assignor to The Boyle Manufacturing Company, Inc., Los Angeles, Calif., a Corporation of California. Filed May 15, 1926. Serial No. 109,230. 7 Claims. (Cl. 113-120.)



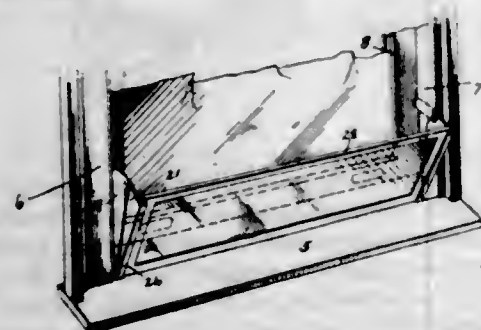
1. A process of making a bilged cask or barrel body from a substantially cylindrical metallic tube consisting in simultaneously and uniformly applying expanding pressure to spaced local annular zones while the remaining portions of said cask or barrel are free from pressure and independently expanding the tube between said spaced zones to a greater diameter than said spaced zones while the latter are free from pressure.

1,740,197. SELF-LUBRICATING BEARING. FRED W. MOLLER, Hoboken, N. J., assignor of one-half to Charles H. Whitenack, Sea Cliff, N. Y. Filed Mar. 27, 1928. Serial No. 265,138. 10 Claims. (Cl. 308-163.)



1. An anti-friction bearing comprising, in combination, a ring-shaped member having a continuous groove in one face, a ring of slightly compressible and elastic material, faced with a comminuted anti-friction material, lying loosely in said groove and capable of circular movement therein, and means for holding said elements in contact one with another under a regulated degree of pressure.

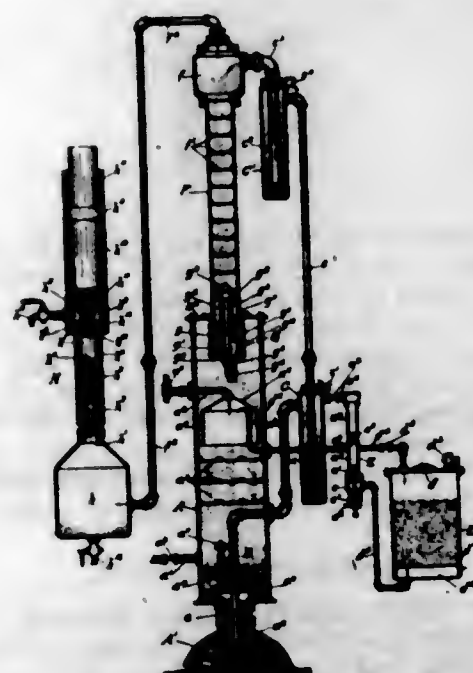
1,740,198. BRACKET FOR ADJUSTABLE WINDOW VENTILATORS. EDWARD L. NEWSOM, New York, N. Y. Filed Mar. 18, 1929. Serial No. 348,088. 2 Claims. (Cl. 98-99.)



1. A bracket for draft shields or window ventilators comprising a stationary section having an inwardly bent

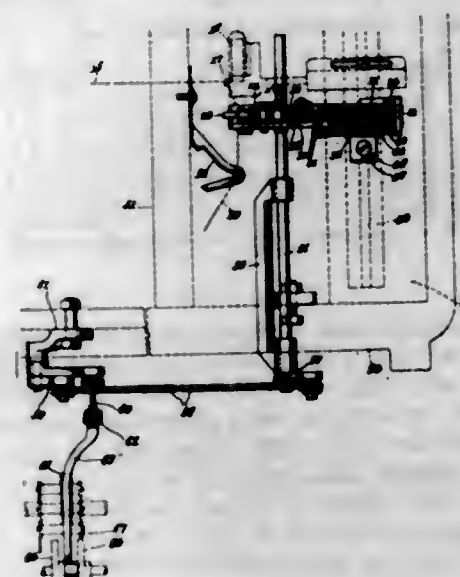
top portion and a slot therein, an adjustable section pivotally connected to the bottom of the stationary section and having an inwardly bent tongue movable in the slot of the first mentioned section and an angle strip spaced from the rear wall of the said hinged section and forming a guide therewith for a removable sash.

1,740,199. METHOD OF AND APPARATUS FOR THE CONTINUOUS SOFTENING OF WATER. CARL H. NORDELL, Fort Wayne, Ind., assignor to The Permutit Company, a Corporation of Delaware. Filed May 15, 1922. Serial No. 561,095. 30 Claims. (Cl. 210-24.)



1. A method of softening water, consisting of passing water to be softened, upwardly, through a descending shower of zeolites.

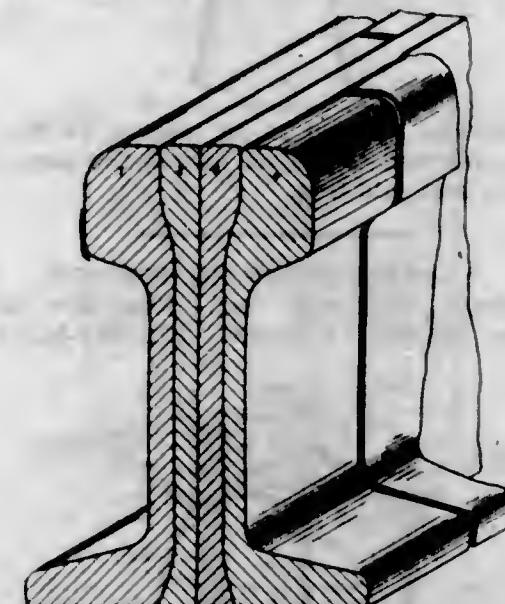
1,740,200. THREAD HOLDER. JESSE MIDDLETON PAYNE and LEWIS WALKER HODGE, Phenix City, Ala. Filed Oct. 15, 1928. Serial No. 312,700. 5 Claims. (Cl. 130-116.)



1. In combination with a loom having a lay beam and a box change mechanism, a temple cutter adapted to be mounted at the left side of the loom, a holder spaced from the temple cutter adapted to receive thread therefrom to hold the thread during the box operation, a hook slidably and pivotally mounted on the holder, a shouldered portion carried by the hook lying in the path of said lay, said lay

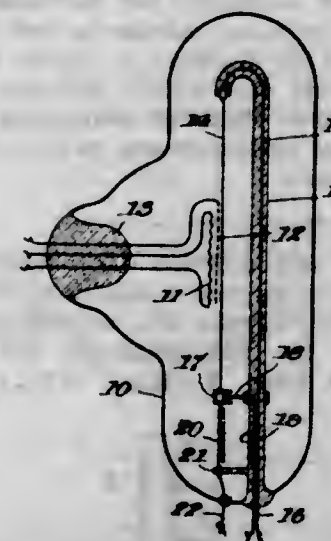
adapted to engage one shoulder of said projection for swinging the hook downwardly and forwardly to catch and carry a thread into the holder, a rocker shaft mounted on the loom, a pivoted lever carried by the loom and having a depending cam portion, connections between said lever and said rocker shaft for moving the latter when the lever is raised, a travelling cam adapted for connection with the box change mechanism for intermittently engaging said lever to rock the shaft, and a trip arm carried by the shaft adapted to engage said hook for projecting the same forwardly and swinging the same upwardly preparatory to catching a thread.

1,740,201. RAILROAD. HELLMUTH REINHARDT ROSENBAUM, Madrid, Spain. Filed Nov. 6, 1926. Serial No. 146,713, and in Germany Aug. 10, 1925. 4 Claims. (Cl. 238-142.)



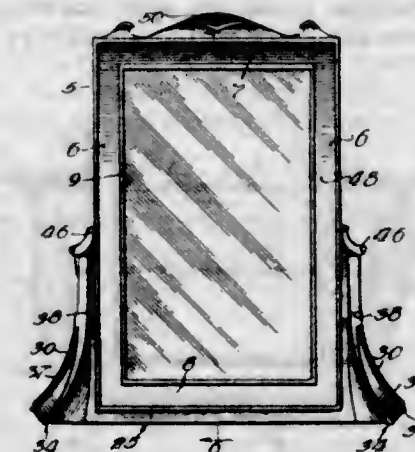
1. In a compound rail, a vertical, longitudinally subdivided, downwardly laterally outwardly flaring and upwardly laterally thickened intermediate section, and complementary lateral rail sections engaging said intermediate sections at the sides thereof.

1,740,202. ELECTRON-TUBE APPARATUS. SAMUEL RUBEN, New York, N. Y., assignor to Ruben Patents Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 11, 1922. Serial No. 551,678. 16 Claims. (Cl. 250-27.)



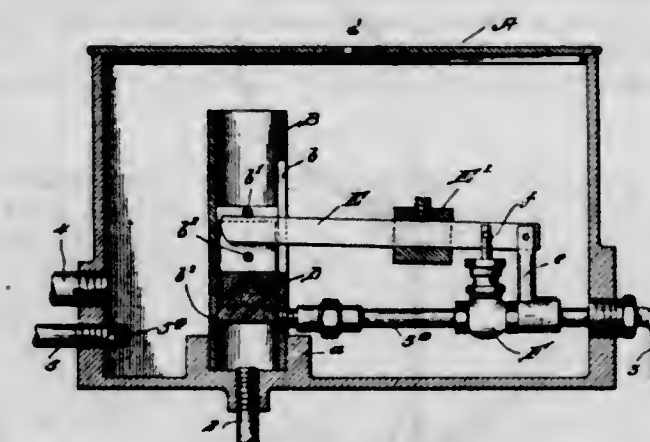
1. The combination, with a vacuum discharge device having anode and cathode elements located in a vacuum space and an external circuit connecting them, of another circuit which includes a gap located in said vacuum space and arranged to be closed and opened in response to physical changes in the anode element produced by the operation of said vacuum discharge device.

1,740,203. PICTURE FRAME. JOHN B. SANBORN, Farmington, Conn. Filed Apr. 30, 1928. Serial No. 273,833. 8 Claims. (Cl. 40-152.)



1. In combination, an easel frame, a base having a rocker support for said frame, and weight means disposed on the base for retaining the frame in a definite position, said support means curved about at least two axes, one transverse to the other, and said weight means being disposed on said base so as to lie opposite the frame relative to said axes, whether the frame be tipped forwardly, rearwardly, or edgewise tilted positions.

1,740,204. METHOD AND APPARATUS FOR FEEDING LIQUID FUEL. JOHN SCHEMINGER, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 18, 1923. Serial No. 658,146. 14 Claims. (Cl. 158-36.3.)

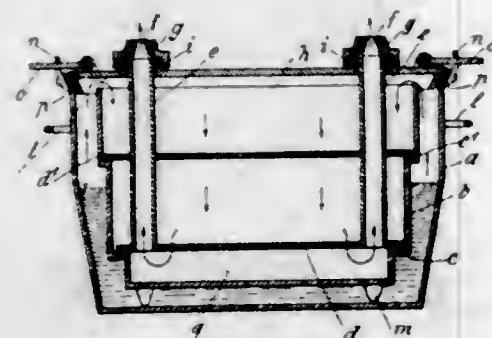


1. A liquid fuel feeding apparatus comprising a supply tank, a pump, a suction-pipe connecting said pump with said tank, a separating device including a liquid container having an upright cylindrical member therein, a pipe connecting the discharge from said pump with said cylindrical member, a fuel feed pipe connecting said member with said burner or other device, and a surplus fuel return pipe connecting said container with said tank; said cylindrical member having a reciprocating valve therein controlling the admission of liquid fuel to said container and to said fuel feed pipe, and means associated therewith whereby the larger portion of the liquid fuel is returned to said tank while the smaller portion thereof is fed to said burner or other device.

1,740,205. RAPID-STEWING POT. ARTHUR SCHMIDT, Berlin-Halensee, Germany. Filed Aug. 17, 1928. Serial No. 300,186, and in Germany Aug. 20, 1927. 1 Claim. (Cl. 53-1.)

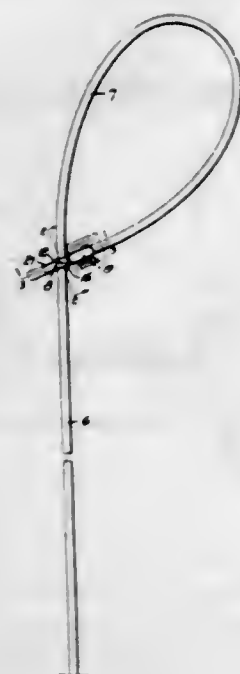
A rapid stewing pot, comprising in combination an outer vessel, a lid on said outer vessel fitting with a

conical flange in the conical rim of said vessel, an insertion vessel with feet resting on the bottom plate of said outer vessel so that a free space partly filled with water is formed allround said insertion vessel the rim of said insertion vessel being a certain distance below said lid, perforated plates in said insertion vessel at different heights for carrying the victuals to be stewed,



adapted to conduct the steam into the space under the lower perforated plate, tubes in said lower perforated plate projecting through said lid, tubular extensions in said lid through which said tubes extend, a tapered top end of each tube, a nut with conical inner surface screwed on each tubular extension and bearing against the conical end of the corresponding tubes, and means for tightly pressing said lid on said outer vessel.

1,740,206. TRAIN-ORDER HOOP. STEPHEN SMITH, San Francisco, Calif. Filed May 28, 1927. Serial No. 194,871. 4 Claims. (Cl. 258-3.)

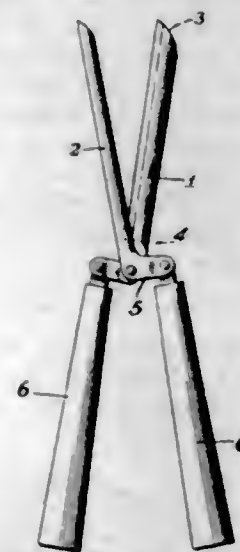


1. A train order hoop comprising a continuous piece of resilient material bent upon itself to form a closed loop, and a pivot providing the sole connection between crossing portions of said material, whereby said crossing portions are free to move pivotally with respect to each other.

1,740,207. CURLING TONGS PROVIDED WITH HEAT-ABLE IRONS. LUDWIG SPITZSTEIN, Vienna, Austria, assignor to George S. Pollitz, New York, N. Y. Filed Aug. 17, 1927. Serial No. 213,595, and in Austria Dec. 26, 1926. 4 Claims. (Cl. 132-32.)

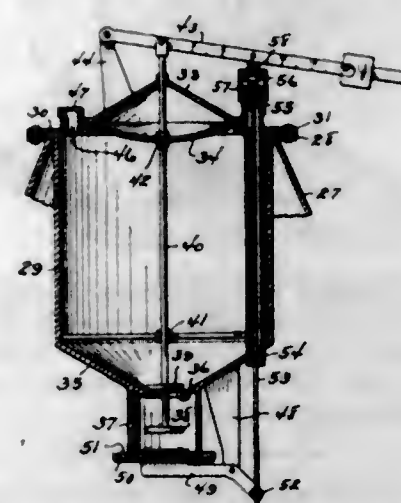
1. A curling iron of the character described, comprising a pair of pivotally connected jaws and handle members

for manipulating the same, one of said jaws being hollow and open at its outer end, and a removable dry solid com-



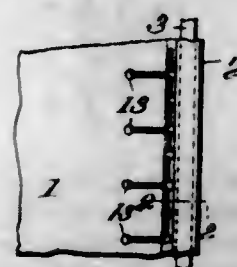
bustible cartridge adapted to be inserted in the hollow jaw at its open end to project beyond the same, and to be ignited to heat said iron.

1,740,208. ACETYLENE-GAS GENERATOR. JOHNIE CADE STOVALL, Plainview, Tex. Filed Oct. 25, 1927. Serial No. 228,617. 6 Claims. (Cl. 48-53.3.)



1. An acetylene gas generator comprising a main tank providing a container for water and gas, a carbide container within the tank, means operated by pressure of gas within the tank to control the discharge of carbide from the carbide container, means to lock the carbide container to prevent the discharge of carbide from, or the entrance of water into said carbide container and means common to the carbide discharge controlling means and the carbide container locking means, to prevent operation of either of said means.

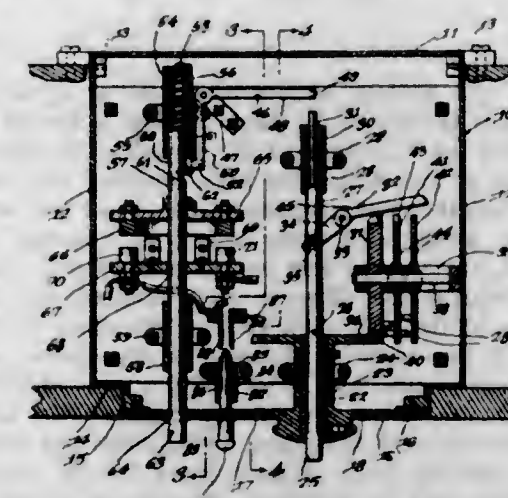
1,740,209. SEAM FOR SEWED ARTICLES. CHARLES THEROUX, Brussels, Belgium, assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 18, 1926, Serial No. 129,963, and in Germany Apr. 19, 1926. 1 Claim. (Cl. 112-262.)



Seam for sewed articles comprising a folded fabric section enclosing a cord, a second fabric section over-

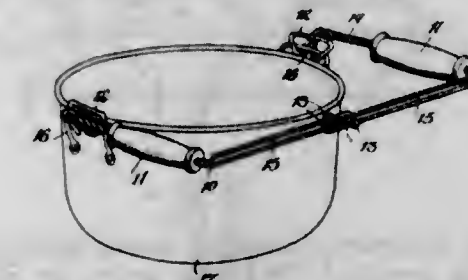
lapping said folded fabric section to a line adjacent the cord, and stitching threads for securing the fabric sections together, including a needle thread formed into a series of loops penetrating the fabric section in a line outside of, adjacent and parallel with the edge of the upper fabric section, said needle thread being carried at an angle to the edge of the fabric sections at intervals including a plurality of needle thread loop formations, and formed into a loop penetrating said second named fabric section at a distance back from the edge thereof, said last-named needle thread loop being carried beneath the fabric to the line of the first named needle thread loops, and looper thread loops enchain with said needle thread loops in succession and disposed in a line parallel with the edge of the edge of the fabric sections.

1,740,210. PROTECTING DEVICE. DANIEL TORIN, Chicago, Ill. Filed Mar. 23, 1927. Serial No. 177,825. 3 Claims. (Cl. 70-53.)



1. In a device of the class described, an operating member manually movable in one direction, means for moving the operating member in an opposite direction, a push rod manually movable in one direction, a pivotally supported lock arm, means connecting one limb portion of the lock arm to the push rod, means for moving the push rod in an opposite direction, a latch member for releasably latching the operating member in a position against action of said first mentioned means, said latch being operated by the push rod, means operable by the push rod for moving the latch member from latched engagement with the operating member to permit said operating member to move against the action of said first mentioned means, and means for controlling pivotal movement of the lock arm against action of the push rod in a direction to operate said latch-operating means.

1,740,211. CARRYING DEVICE. SARKIS VAHOVY, New York, N. Y. Filed Jan. 14, 1929. Serial No. 332,542. 1 Claim. (Cl. 294-27.)



A device of the class described comprising two parts, each part being formed of a single piece of stout wire to provide a twisted hand grip section, an article engaging member projecting laterally from one end of said section, spaced members integral with and disposed at right angles to said hand grip section; each of said members having a terminal eye, the terminal eyes of each one of said parts being slidably engaged with the spaced members of the other part to thus adjustably connect said parts together.

1,740,212. BITUMINOUS COMPOSITION AND THE MANUFACTURE THEREOF. GEORGE C. WARREN, Newton, Mass. Filed Oct. 3, 1924. Serial No. 741,384. 9 Claims. (Cl. 106-31.)

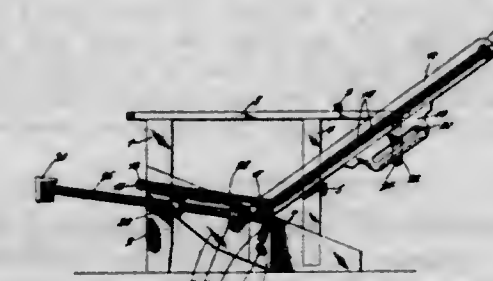
2. The process of making a bituminous composition which comprises agitating a mass of mineral matter, rubberized fabric reduced into pieces and bituminous cement at a temperature sufficient to soften the rubber, continuing the agitation in a manner to effect disintegration of the rubberized fabric and its distribution throughout the mass.

1,740,213. MOUNTING AND LIGHT STOP FOR DOUBLE SHADE ROLLERS. ARTHUR W. WHITCOMB, Evanston, Ill. Filed June 13, 1925. Serial No. 36,829. 1 Claim. (Cl. 156-10.)



The combination of a mounting and light-stop for double shade rollers comprising a pair of brackets, each bracket being formed from a continuous strip of metal and having a transverse right-angle bend so as to provide a shade roller bracket member and an extension light-stop member, the said two extension members being connected to form a light-stop for the shade rollers when mounted on said brackets, said extension bracket members having forwardly directed transverse clearance offsets, each extending in a plane forwardly of the end portions of the end of the strip carrying the shade roller bracket member, and a light-stop having turned over edges adapted to receive the two offset portions of the extension members and be disposed in the same plane with the portions of the extension members carrying the shade roller bracket members.

1,740,214. CHAIR. ARTHUR WURDACK, Normandy, Mo. Filed May 12, 1926. Serial No. 108,526. 3 Claims. (Cl. 155-162.)

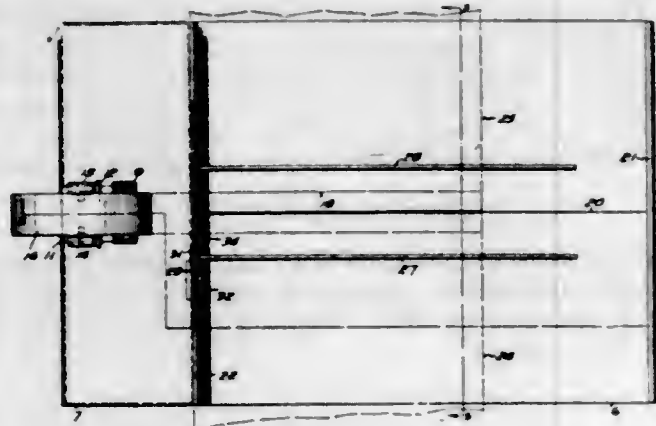


3. A chair comprising a stationary frame, a back frame having its lower end pivoted to the stationary frame, a ball supported by said stationary frame, a device engageable on and removable from said stationary frame, and a pair of brackets attached to said back frame and co-operative with said ball or with said device optionally to support said back frame to different angles of inclination.

1,740,215. DEVICE FOR JOINING CARDS. WILLIAM Y. ALLEN, Berkeley, Calif. Filed Oct. 27, 1926. Serial No. 144,432. 8 Claims. (Cl. 154-42.)

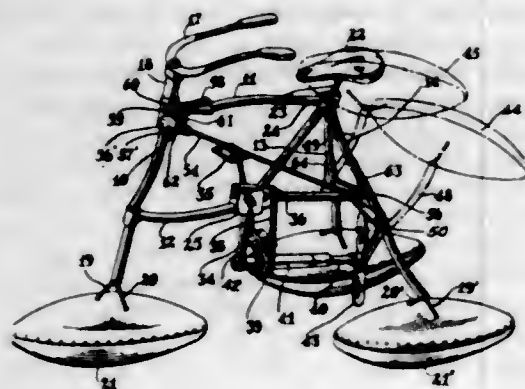
6. A device for joining cards comprising a table on which said cards are adapted to be positioned, an indicium

including a line of predetermined width on said table for positioning said cards, means for supplying a strip



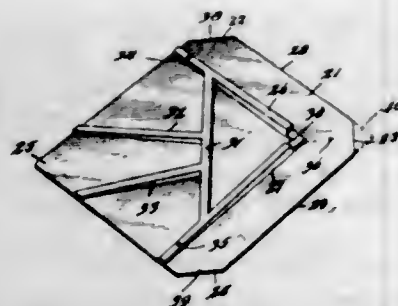
of adhesive material to said cards in the direction of said line, and a cutter for severing said strip in registry with the edge of said cards and normal to said direction.

1,740,216. HYDROBICYCLE. JOSÉ M. ARROYO, Salaverry, Peru. Filed Aug. 16, 1928. Serial No. 299,929. 3 Claims. (Cl. 115-26.)



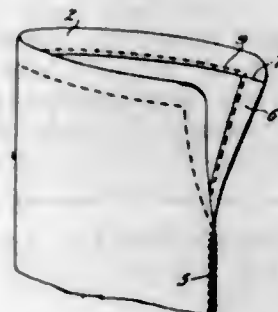
3. In a device of the class described, a hydro-bicycle frame, a lever intermediately pivoted to the rear of the frame, a buoyant member secured to one end of the lever, a spring attached to the lever and the frame for urging the said buoyant member into a lowered position, a rod secured to the other end of the lever and extending to the front of the frame, a latching means secured to the front of the frame for latching the front end of the rod for holding the buoyant member in a raised position, a stop pin extending from the rear of the frame adapted to engage said lever and limit the movement downwards.

1,740,217. SHINGLE. CLEMENTS BACHELLER, Brooklyn, N. Y., assignor to Remis Industries, Incorporated, Boston, Mass., a Corporation of Delaware. Filed Apr. 5, 1927. Serial No. 181,073. 2 Claims. (Cl. 108-10.)



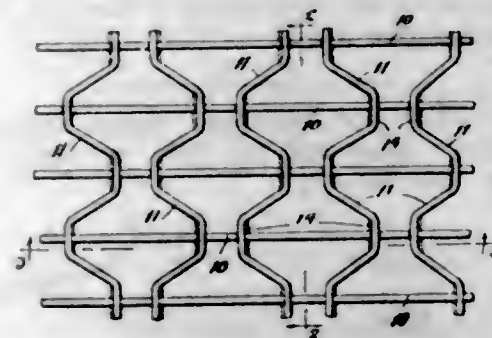
1. A shingle of the honeycomb type having on its inner face ribs converging toward its lower end and there shaped to receive the upper corner of a subjacent shingle

1,740,218. GLOVE AND METHOD OF MAKING THE SAME. SCHUYLER E. BENJAMIN and WENDELL P. MURRAY, Gloversville, N. Y., assignors to Louis Meyers & Son, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 23, 1929. Serial No. 349,414. 2 Claims. (Cl. 2-102.)



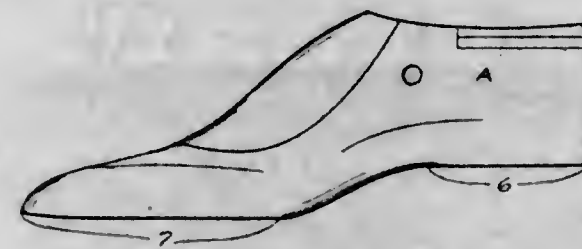
2. As a new article of manufacture, a slip-on glove having a palm portion and a back portion, a line of stitching extending for a portion of the length of a pair of adjacent edges of the palm and back portions for securing said edges together and terminating short of the cuff portion of the glove to provide a slit or opening at the cuff portion, an integral hem on the glove secured against the inner face of the glove, a strip secured at its ends to the edges of the hem, said strip at its edges secured to the edges of the walls of the slit in the glove and disposed entirely within the glove, and a line of stitching spaced from the outer end of the cuff portion and the walls of the slit and extending throughout the hem and strip and securing both of said parts to the glove, the last-mentioned line of stitching terminating at the inner ends thereof at the inner end of the first-mentioned line of stitching thereby providing an additional reinforcement at this point, the inner portion of the strip being disposed at the end of the first mentioned line of stitching.

1,740,219. GRATING STRUCTURE. NATHAN BERSON, Brooklyn, N. Y., assignor, by mesne assignments, to The Tri-Lok Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 26, 1926. Serial No. 111,846. 1 Claim. (Cl. 189-82.)



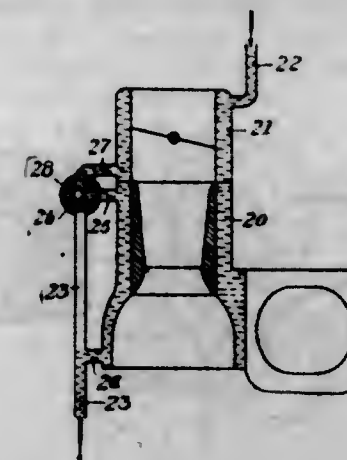
A grating structure comprising spaced girder bars, each having slots arranged therein in pairs, the slots being substantially straight and being both inclined to the top surface of the girder bars, one slot in a pair being inclined in one direction and the other slot being inclined in the other direction, and cross bars extending crosswise of the girder bars and fitting into the slots, pairs of slots in one girder bar being staggered with relation to pairs of slots in an adjacent girder bar, the cross bars being bent so as to alternately engage a slot in one girder bar inclined in one direction and a slot in the next girder bar inclined in the other direction.

1,740,220. LAST. ALEXANDER E. BLOCK, St. Louis, Mo. Filed Feb. 4, 1926. Serial No. 85,858. 4 Claims. (Cl. 12-133.)



1. A shoe last having a substantially flat heel area extending to and including the bottom of the rear portion of the shank, and a substantially flat sole area; said areas being joined by a shank having sides contoured to correspond to the inner and outer sides of the shank of the foot.

1,740,221. HEATING CARBURETORS. ANTONIN BOULADE, Lyon, France, assignor to Societe du Carburateur Zenith, Lyon, France, a Corporation of France. Filed Aug. 31, 1926. Serial No. 132,693, and in France Sept. 19, 1926. 8 Claims. (Cl. 261-12.)



1. A carburetor, a jacket portion, covering substantially the entire outside wall of the carburetor, means for subdividing the jacket portion into a plurality of sections, a supply conduit for heating fluid, a discharge conduit for the heating fluid, and means interposed between the conduits for determining the number of sections traversed by the heating fluid.

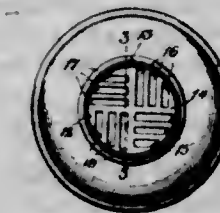
1,740,222. FISHING REEL. HALVOR S. BROADWELL and SAMUEL T. THORPE, Bristol, Conn., assignors to The Horton Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed Feb. 7, 1929. Serial No. 388,178. 5 Claims. (Cl. 242-84.4.)



4. In a fishing reel, a frame, a spool, a traversing shaft, a guide bar, a line guide carriage having a recess therein in which said bar is received, a closure swiveled on said carriage retaining said shaft in said recess, and a pawl in said carriage engaging said shaft.

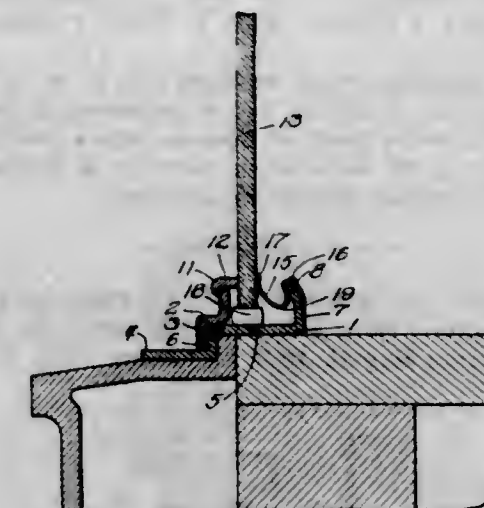
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1,740,223. DEVICE FOR MIXING AND STRAINING LIQUIDS. BENJAMIN BURVENICK, Woodhaven, N. Y., assignor to Lalanc and Grosjean Manufacturing Company, Woodhaven, N. Y., a Corporation of New York. Filed May 28, 1929. Serial No. 366,620. 3 Claims. (Cl. 259-72.)



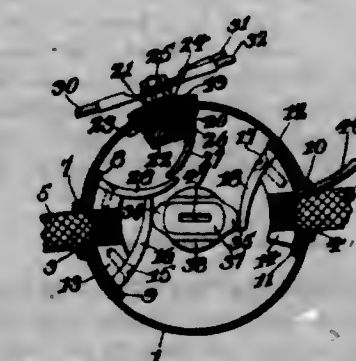
1. A device for mixing and straining liquids poured therethrough, including a disk like member having quadrantal portions thereof, each provided with a row of parallel slots, the slots of adjacent portions extending at right angles to each other.

1,740,224. STORE-FRONT CONSTRUCTION. CARL F. CAMERON, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a Corporation of Michigan. Filed Dec. 12, 1927. Serial No. 239,297. 12 Claims. (Cl. 20-56.4.)



1. In a store front construction, the combination of front and rear rigid members and a resilient member adapted to snap on one of said rigid members and to project against the pane for holding said pane in yieldable relation with the other of said rigid members.

1,740,225. PROTECTOR SWITCH. ROBERT B. CUMMINS, Kokomo, Ind. Filed Dec. 20, 1928. Serial No. 327,277. 8 Claims. (Cl. 200-7.)



1. In a protector switch, a pair of resilient primary contact fingers of arcuate form for connection to a primary terminal, a pair of spaced, resilient secondary contact

fingers of arcuate form, each for connection to a secondary terminal and for association with a primary contact finger, one of said primary contact fingers extending towards its associated secondary contact finger in overlapping, spaced relation thereto, the other of said primary contact fingers opposing its associated secondary contact finger, and a rotatable circuit opening and closing member for selectively engaging the overlapping primary and secondary contact fingers with each other and operatively connecting the other primary contact finger with the other secondary contact finger.

1,740,226. MANUFACTURE OF SHEETLIKE ARTICLES AND THE LIKE FROM CELLULOSE. EMIL CZAPEK and RICHARD WEINGAND, Bomlitz, near Walsrode, Germany. Filed Aug. 31, 1926, Serial No. 132,894, and in Germany Sept. 1, 1925. 12 Claims. (Cl. 18—57.)

1. In the manufacture of sheet-like and other non-filamentary articles from viscose and similar aqueous cellulose solutions, the introduction of the cellulose solution in the suitable form into a precipitating bath which is constituted by a non-aqueous solution consisting on the one hand of a non-aqueous solvent and on the other hand of an inorganic coagulant for cellulose solutions.

1,740,227. CELLULOSE PRECIPITATING AGENT. EMIL CZAPEK and RICHARD WEINGAND, Bomlitz, near Walsrode, Germany. Filed Aug. 31, 1926, Serial No. 132,900, and in Germany Sept. 1, 1925. 6 Claims. (Cl. 18—54.)

1. In the manufacture of artificial silk, from viscose and similar cellulose solutions, the introduction of the cellulose solution in the form of threads into a precipitating bath containing, in non-aqueous solution in methanol, an inorganic precipitant soluble in methanol.

1,740,228. LUMINOUS SIGN. ALFREDO DE FRANCIA, Paris, France. Filed Feb. 18, 1928, Serial No. 255,352, and in France May 31, 1927. 5 Claims. (Cl. 40—133.)

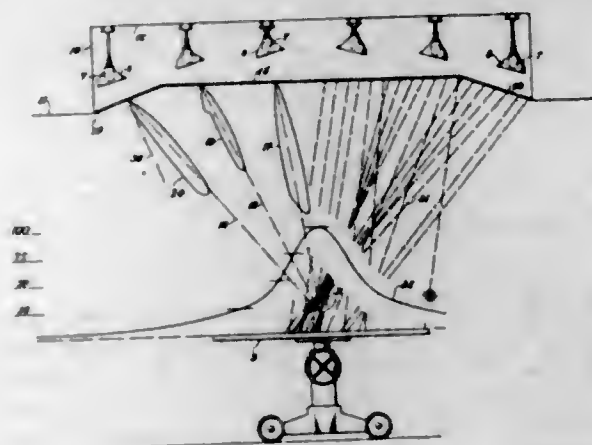


1. A luminous sign comprising a closed casing, a plate forming one of the faces of said casing and the background for said sign, a plurality of main tongue members cut out of said plate and bent rearwardly thereof at an angle adapted to permit the reflection of light without rendering the hole in the plate visible, auxiliary tongue members cut out of said first mentioned main tongue members and bent at a different angle therefrom to reinforce the light coming from the main tongues and to illuminate all parts thereof so as not to leave any part of the main tongues in darkness, and a source of light positioned behind said plate and within the casing so as not to be visible from the front of the sign but to cause illumination not only of the main tongues but also of the auxiliary tongues whereby an increased luminous effect in the sign as a whole is produced.

1,740,229. LIGHTING APPARATUS. WILLIAM A. DORRY, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 24, 1928. Serial No. 248,994. 12 Claims. (Cl. 240—9.)

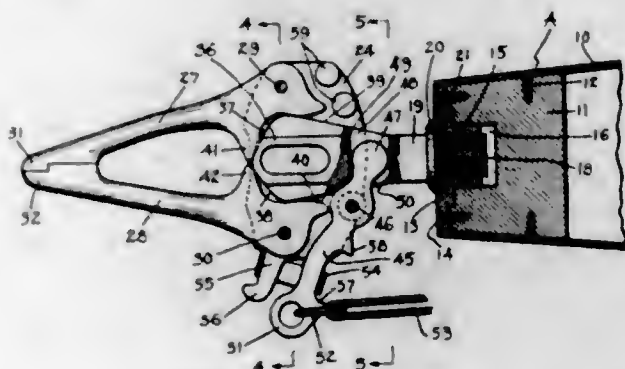
1. A lighting apparatus comprising a group of light collecting lenses and light sources disposed above the lenses for producing illumination of high intensity below the

center of the apparatus and a moderate degree of illumination on surrounding areas, each of the light sources being



off-set from the axis of the corresponding lens so that the beams emitted from the lenses overlap the space to be illuminated.

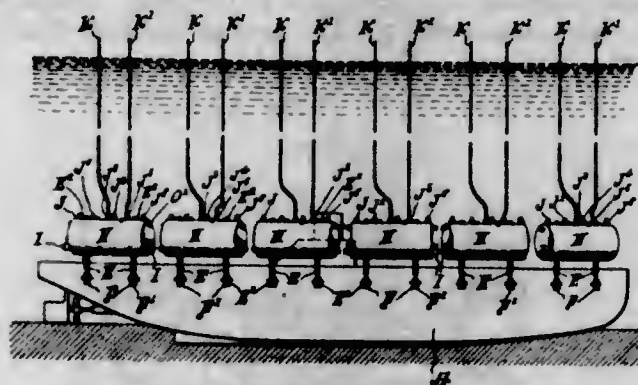
1,740,230. ARTIFICIAL LIMB. DAVID W. DORRANCE, Minneapolis, Minn. Filed Dec. 7, 1925, Serial No. 73,549. Renewed Aug. 27, 1926. 15 Claims. (Cl. 3—12.)



1. In an article of the class described, a shank for attachment to an arm-stump socket, a frame slidably mounted on the shank, a pair of complementing fingers pivoted on the frame, each finger having an opening cam and a closing cam thereon, said shank being formed with cam portions, one for each cam of each finger, the opening cams and their respective cam portions co-operating to spread the fingers apart upon movement of the frame in one direction on the shank, the closing cams and their respective cam portions co-operating to swing the fingers together upon reverse movement of said frame on said shank, means for moving the frame forth and back on the shank, the same including a lever slidably fulcrumed at its inner end on the shank and pivoted between its ends to the frame, a yielding tension member stretched between the frame and the outer end of said lever, said member operating to shift the frame on the shank in a direction to close the fingers, and a pull cord attached to said outer end of said lever for swinging the same against the action of said tension member and to move the frame on the shank in a direction to open the fingers, said closing cams and their respective cam portions on the shank further co-operating to resist spreading movement of the fingers in any relative position thereof, except by movement of the frame in appropriate direction on the shank.

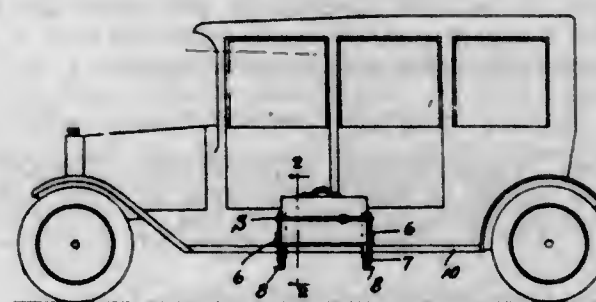
14. A device for the purpose indicated comprising a member provided with a pivotally mounted finger, an actuator axially movable with respect to the pivot of said finger, and cooperating elements carried respectively by the finger and the actuator and effecting rocking movement of the finger upon a force applied to the actuator but precluding any movement of the actuator by a force applied to the finger.

1,740,231. RAPID SALVAGE SYSTEM FOR SUBMARINES. EDWARD ELLSBERG, Westfield, N. J. Filed Nov. 12, 1928. Serial No. 318,921. 12 Claims. (Cl. 114—53.)



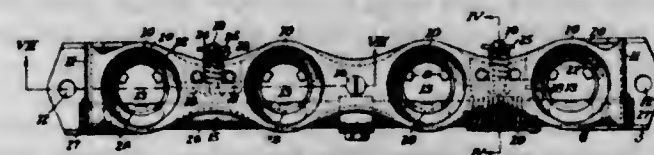
1. A rapid salvage system for raising sunken vessels substantially by buoyancy alone, comprising a series of chain attaching devices permanently secured to the exterior of the watertight hull of the vessel, a series of submersible horizontally stabilized pontoons each including a central air chamber having no direct inlet to the outer water, whereby the volume of water admitted to the remaining portions of the pontoons constitutes the entire effective liquid weight in submerging and each provided with hawse pipes near each end thereof, and lifting chains passing through said pipes and attached near the upper ends to the pontoon above said pipes, and at their lower ends to said attaching devices.

1,740,232. LUGGAGE CARRIER. EDWARD F. ENGEL, Sioux Falls, S. Dak. Filed Mar. 1, 1929. Serial No. 343,656. 2 Claims. (Cl. 224—29.)



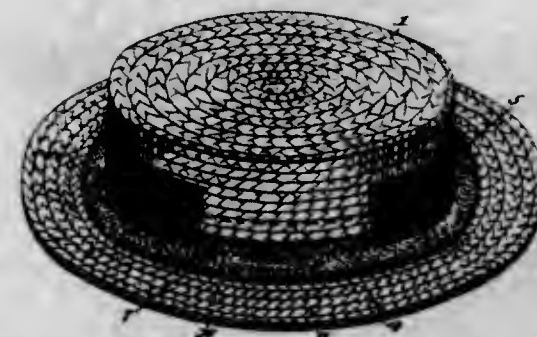
1. A luggage carrier of the class described comprising a pair of units, each unit comprising a base arm, having an upright extension at one end, means for clamping the base arm on a running board, each arm comprising a body flange and a stop flange, said stop flange being disposed at right angles to the body flange and having openings for receiving straps.

1,740,233. BOTTLE HOLDER. HENRY M. ENZ, Pittsburgh, Pa., assignor to McKenna Brass & Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 15, 1925. Serial No. 43,890. 13 Claims. (Cl. 198—131.)



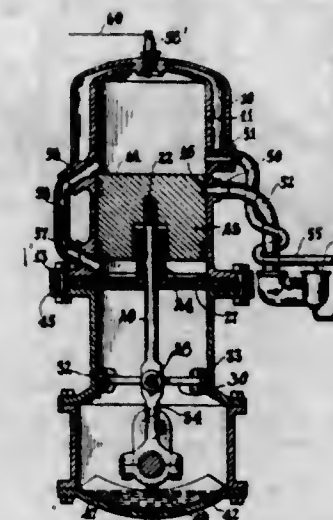
1. A bottle holder having a plurality of openings for receiving the necks of bottles, a rod extending lengthwise of the holder and having portions of non-circular cross section adjacent the openings, the rod being adapted to engage or release the necks of the bottles upon rotation, and means for rotating said rod, substantially as described.

1,740,234. STRAW HAT. ELLIS R. EPHRAIM, Baltimore, Md., assignor to M. S. Levy & Sons, Inc., Baltimore, Md., a Corporation of Maryland. Filed Mar. 18, 1929. Serial No. 348,278. 2 Claims. (Cl. 2—193.)



1. A straw hat comprising continuous rows of overlapping straw braid having laterally projecting points, said rows being secured together to form a crown and brim, the crown and brim being stiffened except for a zone at and extending to each side of the break which is substantially free from stiffening material, a band of flexible material secured to the brim at the inner edge of the stiffened portion and extending over, engaging and covering the projecting points in the unstiffened portion of the brim, said flexible band terminating adjacent the break.

1,740,235. VALVELESS MOTOR. LIVIUS V. FOGAS, Detroit, Mich. Filed Aug. 4, 1928. Serial No. 297,413. 3 Claims. (Cl. 123—74.)

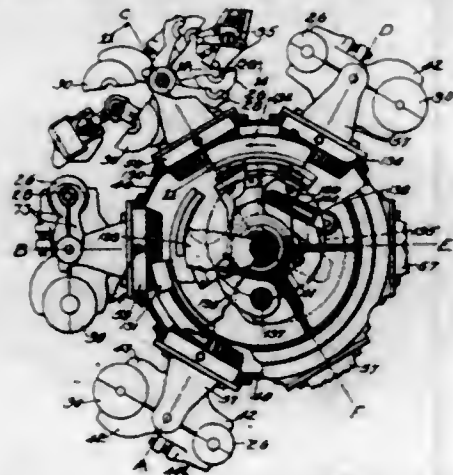


3. In a valveless motor of the class described, a cylinder closing disc positioned intermediate the cylinder block and the upper crank case of the said motor, said cylinder closing disc having provided with a stuffing box, a piston rod slidably mounted therein, said piston rod secured to a piston and to a slipper, said slipper slidably mounted in a cylinder, said cylinder closing disc comprising a closing ring having a tapered edge adapted to engage in a tapered recess formed in the cylinder block as a means of holding a packing member in engagement with a serrated portion of the said cylinder closing ring so as to prevent a leakage of air.

1,740,236. GLASS-SHAPING MACHINE. HOMER A. GENEST, Hartford, Conn., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Aug. 8, 1921. Serial No. 490,597. 27 Claims. (Cl. 49—9.)

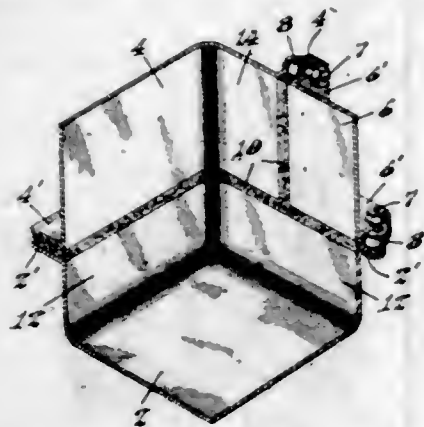
4. In a glass blowing machine, the combination of a parison mold, a neck ring permanently associated therewith, means for opening the neck ring before the parison

mold is opened, a blow mold, means for engaging the portion of the parison exposed by opening the neck ring and supporting the parison at a fixed transfer station,



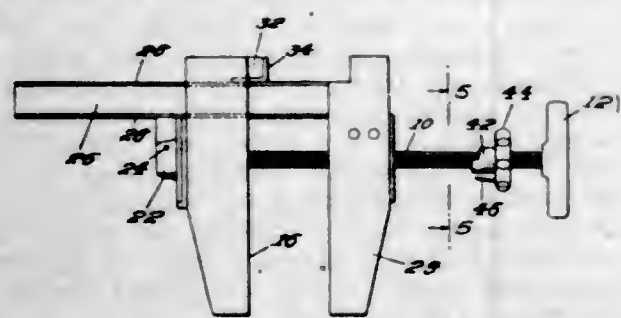
means for opening the parison mold and closing the blow mold about the parison while the parison is so supported, and means for disengaging said supporting means from the parison when the blow mold has been closed.

1,740,237. REFRIGERATOR LINING AND METHOD OF MANUFACTURING SAME. OLIVER P. GREENWOOD, Billerica, and HOYLAND B. BETTINGER, Waltham, Mass.; said Greenwood assignor to Saco-Lowell Shops, Lowell, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1927. Serial No. 173,203. 10 Claims. (Cl. 220-9.)



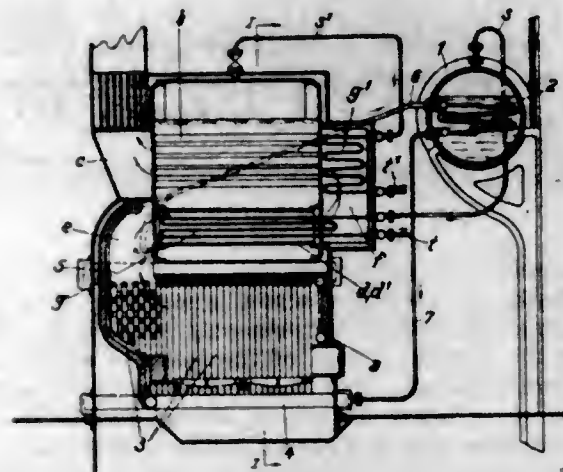
1. A refrigerator box comprising a series of sheet metal sections, means for securing said sections together with spacers separating adjacent walls of said sections, and a filler closing the spaces between the sections.

1,740,238. WORK-HOLDING CLAMP. CARL L. GUSTAFSON, Chicago, Ill. Filed Nov. 30, 1923. Serial No. 322,866. 4 Claims. (Cl. 144-303.)



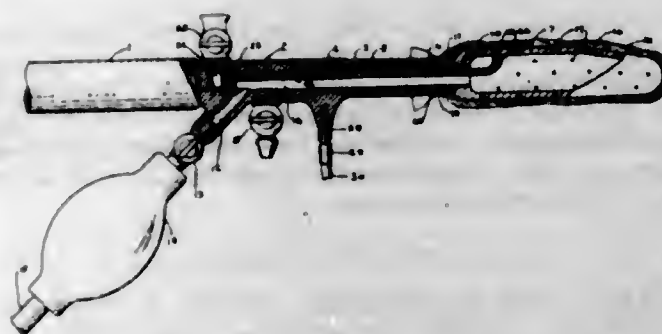
1. In a carpenter's clamp, a pair of jaws movable relative to each other, a screw operatively associated with each jaw and means for rendering the screw inoperative as such with respect to one of the jaws, said means including a semi-cylindrical internally threaded member, one of the jaws being provided with a tapered opening into which the said member is adapted to be housed, the screw being adapted to be inserted in the said opening and means for removably positioning the screw relative to the threaded semi-cylindrical member.

1,740,239. CYLINDRICAL MARINE BOILER WITH SUPERHEATER. SIMON HOFFMANN, Kassel-Wilhelms-höhe, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Kassel-Wilhelms-höhe, Germany, a Corporation of Germany. Filed July 31, 1923, Serial No. 296,616, and in Germany Sept. 8, 1927. 1 Claim. (Cl. 122-37.)



A cylindrical marine boiler with two working pressures and superheaters for the high-pressure and the low-pressure part having a furnace chamber forming a first hot gas passage, a flue within the boiler forming a second gas passage, smoke tubes forming a third gas passage, a first return chamber between the first and the second gas passage, a second return chamber between the second and the third gas passage, a superheater for the high-pressure part of the boiler arranged in said second gas passage and a superheater for the low-pressure part of the boiler arranged in said second return chamber.

1,740,240. CATAPHORIC ELECTRODE. CHARLES F. HONEY, Cleveland, Ohio. Filed June 11, 1928. Serial No. 284,491. 6 Claims. (Cl. 174-89.)



1. A cataphoric electrode comprising a conducting tube provided with a perforated tip having a flexible permeable covering, means to supply liquid into the tube and tip, and an air vent from the interior of the tip.

1,740,241. SPRAY GUN. JOHN C. HULL, Gasport, N. Y. Filed Oct. 8, 1925. Serial No. 61,183. 3 Claims. (Cl. 299-117.)

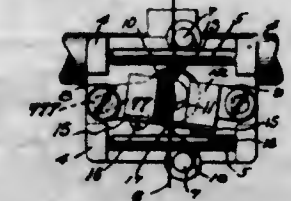
1. A spray gun, comprising a conducting-tube having an outer bent end, a spray nozzle having a straight body attached to the outer end of the tube, a valve longitudinally and rotatably movable within the spray nozzle and controlling the character of the spray, a rotatable operating

shaft extending through the straight part of the conducting-tube, and a rotatable, flexible shaft located in



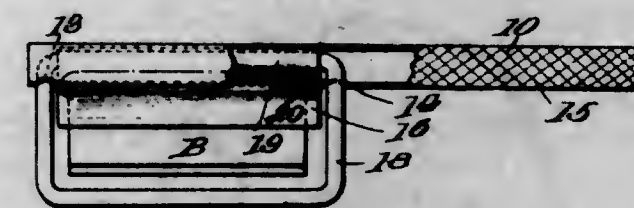
the bent end of the tube for connecting the outer end of the operating shaft with the valve, said shaft comprising a plurality of blocks pivotally connected together.

1,740,242. THREAD CLEARER. SAMUEL HYSLOP, Newton, Mass. Filed Feb. 27, 1926. Serial No. 91,158. 6 Claims. (Cl. 28-64.)



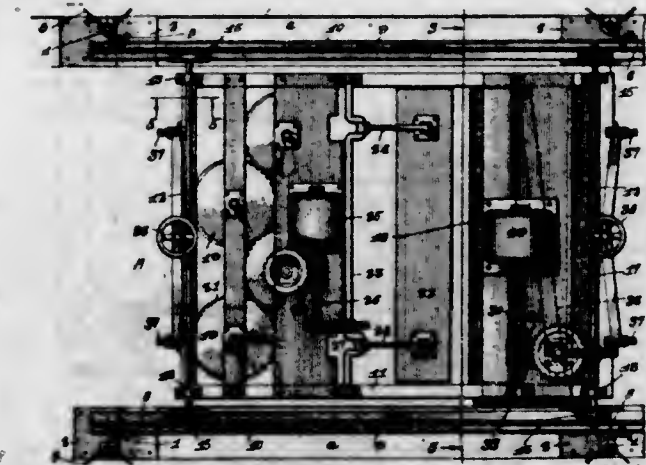
1. A thread clearer comprising a base, an arm with a slotted post pivotally mounted at one side thereof, an arm with slotted post receiving block mounted on the opposite side edge, the slots normally in registering relation and constructed and arranged to move out of registering relation and to clamp the thread when engaged by a knot or the like on the thread.

1,740,243. RAZOR-BLADE STROPPER. ROBERT H. INGERSOLL, New York, N. Y.; Charles S. Smith, Lansing, Mich., and Frederic C. Leubuscher, Essex Falls, N. J., executors of said Robert H. Ingersoll, deceased, assignors to Robt. H. Ingersoll, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 30, 1925. Serial No. 59,615. 2 Claims. (Cl. 51-218.)



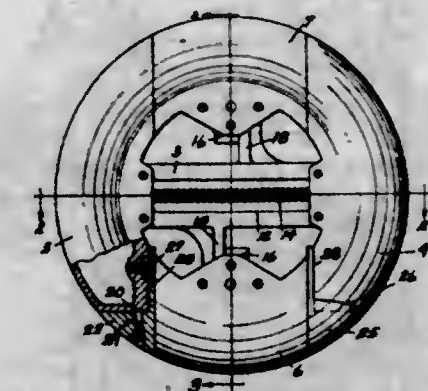
1. In a holder for razor blades for use during stropping, an integral member having a handle formed at one end thereon and a longitudinal undercut groove extending from the other end thereof, said groove having oppositely disposed pairs of notches in its walls near the ends thereof, said groove being adapted to receive by an endwise sliding movement and the walls thereof thereby to effect a resilient clamping of a razor blade in position therein, and a closed guard pivotally mounted at both ends with respect to said razor blade and adapted in the operative position of said blade in said member to have a permissive rocking movement from one side to the other of the edge of said blade between the walls of said respective pairs of notches.

1,740,244. BOWLING-ALLEY-SURFACING MACHINE. DEXTER G. JOHNSON and WEBB L. CAMPBELL, Oklahoma City, Okla. Filed Oct. 24, 1928. Serial No. 314,755. 3 Claims. (Cl. 144-38.)



1. A device of the class described comprising two rows of uprights, a track member supported by each row, a carriage having its body depending from the shafts thereof, wheels on the ends of the shafts engaging the track members, floor surfacing mechanism carried by the carriage, motor driven means for operating the said mechanism and for propelling the carriage on the track members, means for adjusting the body of the carriage vertically in relation to its shafts, means for vertically adjusting the track members on the posts, a rack bar arranged on each track member and gears on one of the shafts of the carriage engaging the rack bars.

1,740,245. COLLAPSIBLE CORE. FRANK L. JOHNSON, Akron, Ohio. Filed Jan. 8, 1928. Serial No. 79,993. 13 Claims. (Cl. 154-9.)

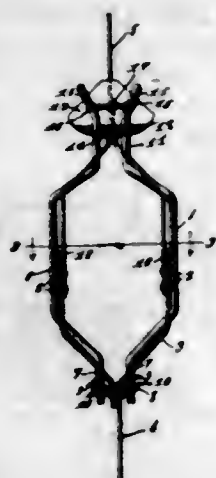


1. In a collapsible core construction, a pair of key sections placed opposite to one another and a pair of intermediate sections, an arm attached to each section, and a supporting plate located at one side of the core, the arms for the key sections being pivotally and slidably mounted upon said plate and an arm for an intermediate section being slidably mounted upon the core plate.

1,740,246. VENTILATED TOILET BOWL. CHRISTIAN J. KAISER, Great Falls, Mont. Filed Dec. 18, 1928. Serial No. 326,830. 1 Claim. (Cl. 4-72.)

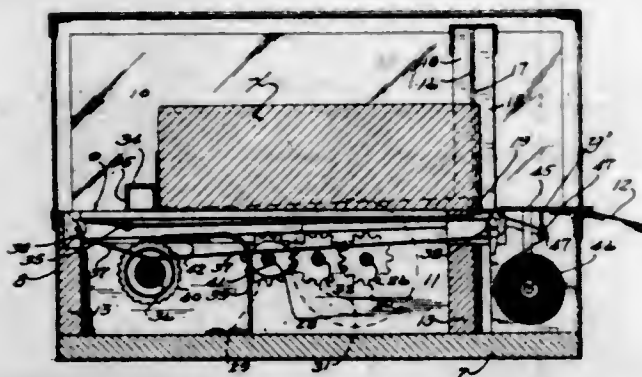
A closet bowl being provided with a water receiving chamber and a water conducting channel communicating with said chamber and the interior of the bowl, an arcuate ledge formed on the interior of said bowl above the horizontal plane of the channel and at the rear thereof and having its opposite ends merging into the adjacent sides of the channel, a water deflecting tongue

a lower extension, a plate above said extension and a finger pivotally secured to the upper end of the yoke, an angle plate fixed on the inner face of the finger, a poke comprising two substantially U-shaped rods having straight ends, the lower ends being journaled through openings



in the plate, the upper ends passing through openings in the horizontal flange of the angle plate, spring means connecting the upper arms for holding the same against the vertical flange of the plate and the parallel central and straight arms of the poke rods having inwardly directed prongs thereon.

1,740,257. DISPLAY AND SLICING DEVICE. EDGAR C. MAHLER and GERHARD J. KRUEGER, Wahpeton, N. Dak. Filed May 29, 1929. Serial No. 368,903. 4 Claims. (Cl. 31-20.)

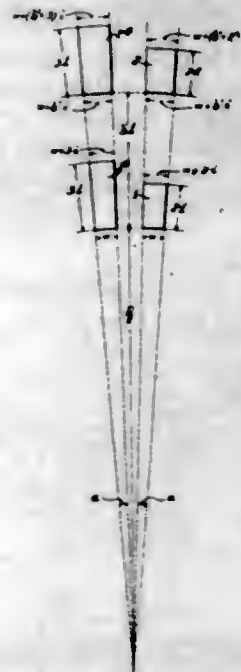


4. A device of the class described comprising a cutting blade mounted for raising and lowering movements, springs for raising the cutting blade, operating connections for causing the cutting blade to produce a cutting action including a pair of cranks and cables connecting the cranks to the cutting blade, a way leading to the cutting blade, a follower mounted on the way, means for moving the follower on the way including a windlass drum having a reversely extended cable attached to the follower, a ratchet wheel on the windlass drum, a pawl co-operating with the ratchet wheel, said operating connections being arranged to intermittently operate the pawl to impart a step of rotary movement to the windlass drum to move the follower toward the cutting blade in timed relation thereto.

1,740,258. BRICK SHAPES FOR BUILDING BLAST-FURNACE LININGS AND THE LIKE. JAMES C. MOREHEAD, Pittsburgh, Pa., assignor, by mesne assignments, to Inland-Stuart Linings, Inc., Pittsburgh, Pa., a Corporation of Delaware. Filed July 12, 1928. Serial No. 292,305. 10 Claims. (Cl. 72-91.)

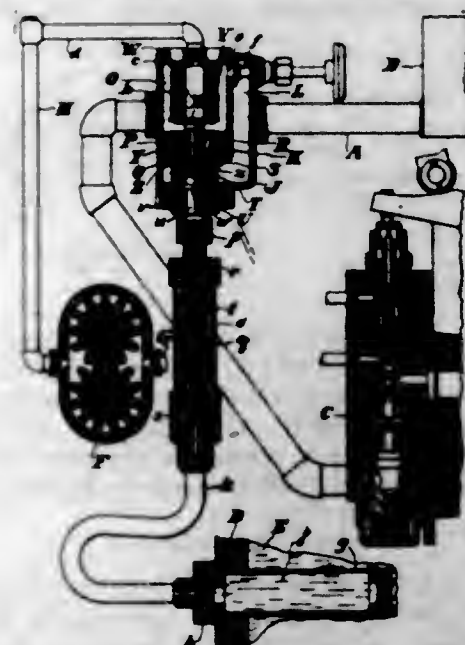
1. A circular tapering furnace lining built up from basic key bricks comprising sectors of a ring and growth key bricks, said bricks being laid in horizontal courses each comprising a plurality of concentric rows, said basic keys including two sizes of different length and of the

same inner width, an integral number of which will turn a circle of minimum basic diameter, said growth key brick comprising two sizes of equal inner width and of different lengths equal to those of the basic key bricks, all four of said brick sizes having their longer sides radial to a common center, each row of a course containing an equal number of keys, the inner diameter of one row being the



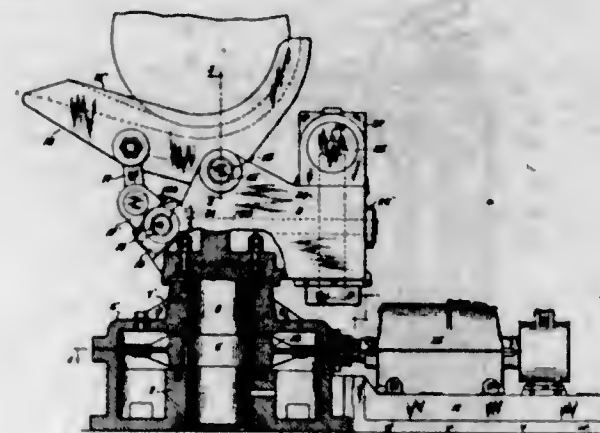
same as the outer diameter of the next row inwardly, the rows outwardly in a course being increased in diameter by the use of growth key brick, the brick in successive rows of a course breaking joint, each row of a course being offset laterally with respect to consecutive rows and to those in adjacent courses so as to break joints vertically, and the rows of successive courses overlapping whereby vertical joints at the ends of the brick are broken.

1,740,259. SAFETY DEVICE FOR OIL-INJECTION ENGINES. WILLIAM A. MORRISON, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 20, 1928. Serial No. 271,573. 5 Claims. (Cl. 123-119.)



1. In combination with an oil injection engine having a fuel supply pipe and a pressure lubricating system, a water jacket on the engine, a valve casing interposed in the supply pipe, a valve in the casing controlling the flow of fuel through the casing, flexible means in the casing actuated by pressure from the lubricating system for actuating the valve in one direction, and temperature responsive means in the water jacket connected to the casing to exert a pressure on the valve for actuating the valve in the opposite direction.

1,740,260. COIL HOLDER. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio, assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed June 25, 1927. Serial No. 201,534. 7 Claims. (Cl. 214-130.)



1. A coil holder formed as a hopper with upright sides and a bottom extending straight forward and curved upward rearward, means mounting the hopper on a horizontal axis, means mounting the horizontal mounting means on a vertical axis passing substantially centrally through the hopper, means for rocking the hopper on the horizontal axis, and means for rotating the horizontal mounting means on the vertical axis.

1,740,261. PAPER ROPE CARRIER. THOMAS PAOW, Shawinigan Falls, Quebec, Canada. Filed Feb. 25, 1929. Serial No. 342,351. 10 Claims. (Cl. 34-48.)



1. In combination with the drier rollers of a paper making machine, rings mounted at one end thereof and independently therefrom, a paper carrying rope trained over said rings, and means for bringing one of said rings into frictional engagement with the adjacent roller.

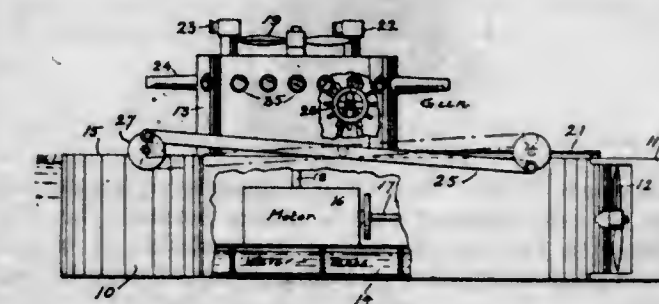
1,740,262. FASTENING DEVICE. ROY PAULUS, Flushing, N. Y., assignor to Paulus-Ullmann Printing Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 13, 1929. Serial No. 346,522. 2 Claims. (Cl. 24-17.)



1. A fastening device, comprising a lock band of flexible material divided into four parts folded one upon the other,

three of the parts being of substantially the same length, and the fourth part being a short and stubby end terminating along a line substantially parallel with the outer edges of the lock band, said fourth part being turned down upon the intermediate one of the other three parts, and a tie band consisting of a long strip of flexible material passed between adjacent parts of the lock band and having a short tab turned backwardly and sealed mutually to the said fourth part and the said intermediate part of the lock band.

1,740,263. SUBMARINE VESSEL. JOSEPH PEPPIN, Sciota, N. Y. Filed May 2, 1928. Serial No. 274,439. 4 Claims. (Cl. 114-16.)



1. In a submarine vessel having a motor, the combination with a substantially vertical propeller adapted to be actuated by the motor, skid members mounted along the sides of the vessel and composed of a plurality of slats normally forming a continuous plane, and means for adjusting the slots of the skid members in inclined positions to said plane.

1,740,264. VACUUM TUBE. GEORGE H. PERRYMAN, Teaneck, N. J., assignor, by mesne assignments, to Perryman Electric Co., Inc., a Corporation of Delaware. Filed Feb. 26, 1929. Serial No. 342,889. 2 Claims. (Cl. 250-27.5.)

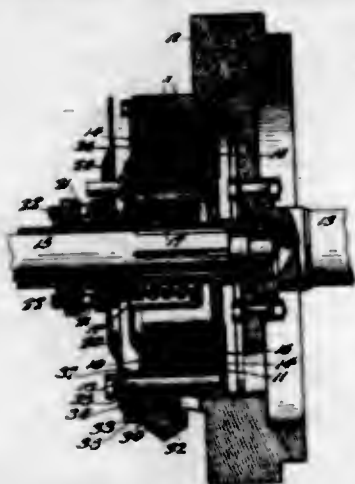


1. In a vacuum tube, a filament and a tubular anode, brace members extending across the upper and lower ends of said anode and abutting against the same, said brace members being of less width than the transverse width of the anode whereby a considerable portion of the upper and lower ends of said anode are uncovered by said brace members.

1,740,265. AUTOMATIC CLUTCH-CONTROL MECHANISM. CHARLES L. PUTNEY, Philadelphia, Pa., assignor to Benjamin F. Argile, Ardley, Pa. Filed Aug. 16, 1927. Serial No. 213,289. 2 Claims. (Cl. 192-105.)

1. A power transmitting control comprising a driven member, a clutch plate connected to a driven member, a driving member, a clutch plate connected to said driving member and arranged in the path of movement of said

driven plate, a ring spaced from said plates, a control element, fastening devices rigidly connecting said ring to said control element, centrifugal weights respectively pivoted on said fastening devices and arranged to control



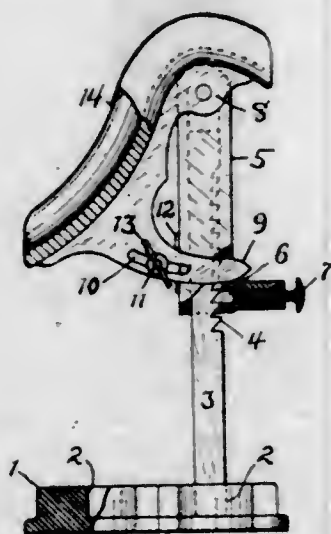
the movement of said ring, a declutching lever for manual control of said element, and a spring normally holding said lever in position to prevent transmission of torque from one plate to another at idling speeds of said driving member.

1,740,266. SNAP-FASTENER SOCKET AND PARTS THEREOF. DANIEL I. REITER, New York, N. Y. Filed Feb. 7, 1929. Serial No. 338,063. 12 Claims. (Cl. 24-216.)



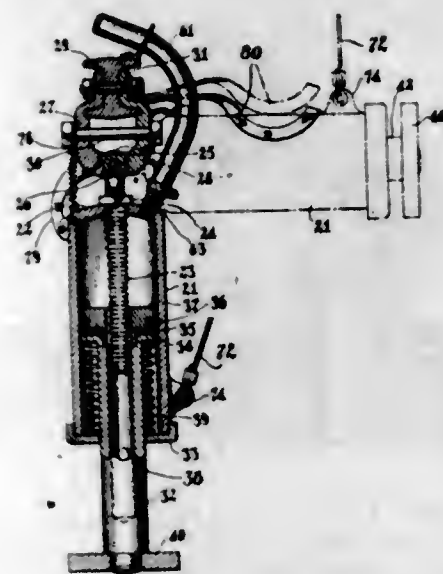
1. A snap fastener socket having two series of inwardly-directed, resilient, stud-retaining fingers surrounding and defining a stud-receiving orifice, the respective series being disposed one behind the other, and the fingers of each series being materially wider than the spaces between them.

1,740,267. LEG REST FOR AUTOISTS. JOHN M. REMINGTON, Fort Wayne, Ind. Filed Mar. 2, 1928. Serial No. 258,339. 1 Claim. (Cl. 155-165.)



A leg rest consisting of a post and base therefor, a sleeve adjustably positioned on said post; and a cradle shaped to fit beneath the knee joint and calf of the operator's leg, said cradle being pivotally related with said sleeve, the upper knee joint supporting portion being materially shorter and in closer proximity to the pivotal support of the cradle than the calf supporting portion thereof; and means for securing said sleeve and cradle in adjusted positions.

1,740,268. VEHICLE JACK. PATRICK ROBERTS, New York, N. Y. Filed Mar. 26, 1928. Serial No. 264,688. 3 Claims. (Cl. 254-93.)



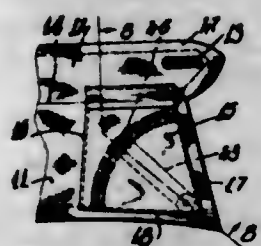
1. In a fluid jack of the class described, a shell with a closed end, a plunger rod slidably mounted in the shell and having an enlarged inner end, and an axial opening extending from the said enlarged inner end to a small distance from the outer end, a rod for supporting the shell threadedly extended into the shell thru the said closed end for permitting an adjustment of the shell along its length, and engageable within the opening in the plunger to permit free motion of the plunger, and a nut threadedly engaged on the rod and abutting the closed end of the shell for holding the shell in adjusted positions on the rod.

1,740,269. MECHANICAL WHEELED TOY. JOSEPH J. SAPORA, Renovo, Pa. Filed Dec. 6, 1927. Serial No. 238,030. 5 Claims. (Cl. 46-47.)



1. In a toy of the class described comprising a shaft and wheels mounted thereon, a circular member comprising an outer bulged portion having an annular aperture therein, journaled on said shaft, screws disposed through said bulged portion and threaded into one of said wheels comprising heads disposed in said aperture and balls freely positioned in said aperture adapted to strike the heads of said screws for making a noise when said toy is pulled along the ground.

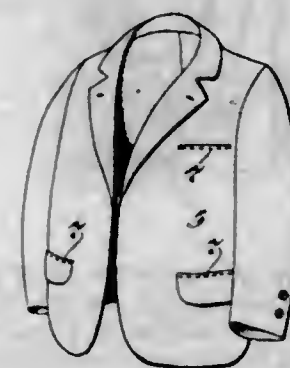
1,740,270. STIFFENER FOR SOFT COLLARS. JOSE SARANDESES, New York, N. Y. Filed Aug. 18, 1928. Serial No. 300,467. 2 Claims. (Cl. 2-132.)



1. In a soft collar, a pocket for receiving a reinforcement strip, a reinforcement strip within the pocket and

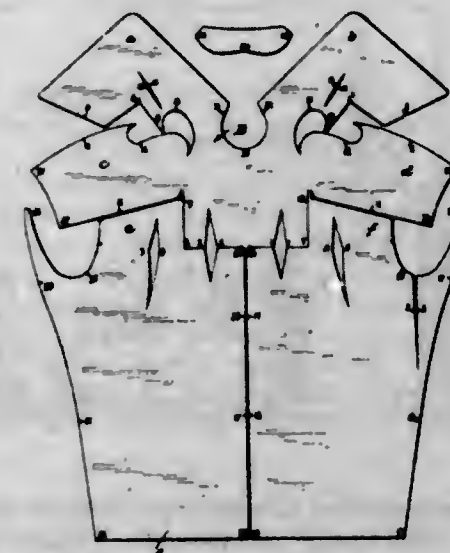
pivotally mounted at one end on the material forming the pocket and having its opposite end serrated, and loose stitches on the material forming the pocket and arranged in an arc coaxial with the pivot point of the strip for receiving the serrated end and holding the strip in desired angular positions.

1,740,271. PROCESS OF PREPARING AND DRY CLEANING ARTICLES. BENJAMIN M. SAVITT, Minneapolis, Minn. Filed May 17, 1929. Serial No. 363,960. 2 Claims. (Cl. 8-8.)



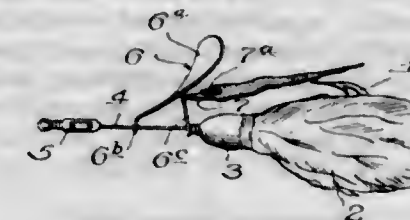
2. The process of preparing and dry cleaning an article which consists in sealing the openings, pockets, seams, and the like therein by means of chain stitches, in subjecting the article to a granular cleaning medium, in shaking, brushing or otherwise removing the cleaning medium from a cleaned article, and finally in removing the chain stitches from the article.

1,740,272. GARMENT. GIUSEPPE SPERAZZA, Unionville, Conn. Filed Mar. 14, 1927. Serial No. 175,154. 2 Claims. (Cl. 2-79.)



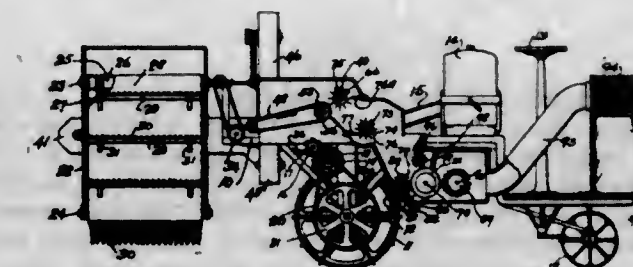
1. A garment blank of the kind described, comprising a single piece of material providing connected lower and upper portions, the upper portion being formed with a coat back area and wings on opposite sides of the latter, a pair of said wings effecting coat front panels and the remaining wings effecting sleeves of a coat, said panels having recesses for marginally matching the coat back, laterally formed portions on the panels to effect a tail skirt to the coat back, and extensions at the edge of the lower portions next to the upper portion and on opposite sides of the coat back to effect a vest when positioned opposite the latter.

1,740,273. FISHING LURE. JESSE P. SHANNON, Lake Geneva, Wis. Filed Apr. 20, 1929. Serial No. 356,674. 5 Claims. (Cl. 43-45.)



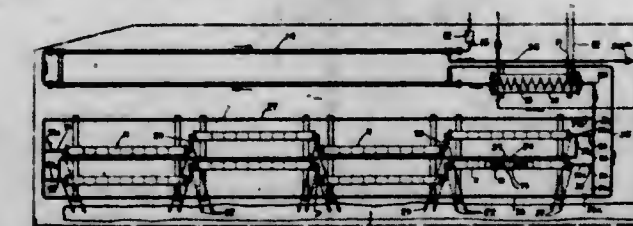
1. A fishing lure comprising a body portion including a hook, a rotative member attached to said body portion and adapted for movement relative thereto in the travel of said lure through the water, and means for attaching a strip of pliable material to said member.

1,740,274. COTTON HARVESTER. WILLIAM F. SPECK, Memphis, Tenn. Filed Mar. 2, 1928. Serial No. 258,487. 3 Claims. (Cl. 56-35.)



1. In a cotton harvester, oppositely disposed stripper units, having their rear ends adjacent, and their forward ends spaced apart, said units each comprising a casing, upper and lower shafts journaled in said casing, sprocket wheels and a belt pulley on each of said shafts, a belt over said pulleys, sprocket chains over said sprocket wheels, a plurality of cross bars secured to said chains, a plurality of stripper fingers secured to said cross bars and projecting outward substantially at right angles to said belt, and a pair of bracing members, secured to each of said bars and downwardly disposed along said chains.

1,740,275. APPARATUS FOR TREATING OIL. ARTHUR B. STERN, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 22, 1923. Serial No. 664,151. 1 Claim. (Cl. 196-4.)

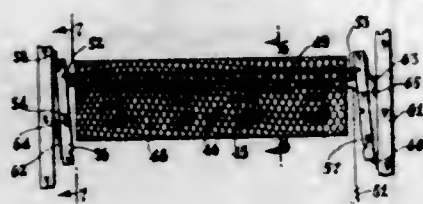


Apparatus for treating oil in which water is present in emulsified form comprising an elongated horizontally disposed container formed with spaced treating sections and interposed settling sections, a charging line through which the emulsion is introduced into one end of the container, a preheater in the charging line for heating the emulsion to a predetermined temperature, a pump for charging the emulsion into the container under sufficient pressure to prevent vaporization of the emulsion, a heat exchanger comprising a jacket surrounding a portion of the charging line between the pump and the preheater, means for drawing off the demulsified oil from one end of the container and for introducing the oil into the heat exchanger at one end thereof so that the oil will flow therethrough to effect a heat transfer with the untreated emulsion in the charging line.

1,740,276. PROCESS OF TREATING WASTE MATERIAL. ALBERT G. STILLWELL, Coscob, Conn. Filed Feb. 21, 1929. Serial No. 341,839. 7 Claims. (Cl. 159—47.)

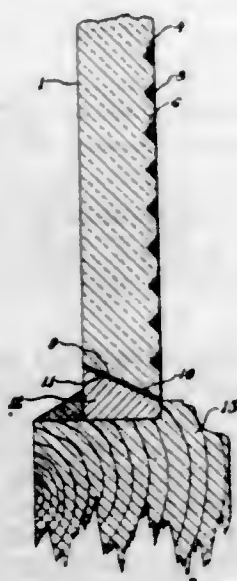
1. The method of treating organic waste products containing hygroscopic constituents and organic nitrogenous constituents which comprises heating said products to a sufficiently high temperature to eliminate moisture, and to substantially eliminate the hygroscopic constituents while maintaining said temperature sufficiently low to prevent disintegration of the nitrogenous compounds.

1,740,277. CHICKEN BROODER. JULIUS SZILAGYI, New York, N. Y. Filed May 29, 1928. Serial No. 281,419. 2 Claims. (Cl. 119—21.)



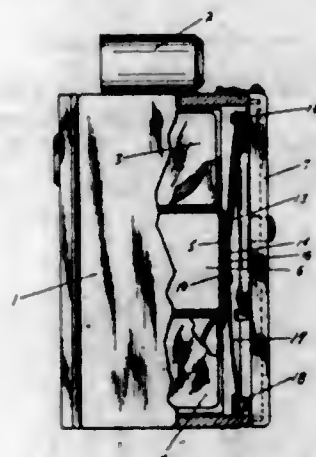
1. In a brooder of the class described, a plurality of electric light bulbs removably mounted in sockets secured to the under side of a support, said support covered with screening, suitably formed so as to enclose the said electric light bulbs, electric light wires connected to the said sockets and to any convenient source of electric current, said support having secured thereto at the opposite ends thereof and extended therefrom angle brackets adapted to removably engage in any desired elongated openings formed in engaging members, one of said engaging members being hinged at its upper edge to the side of the frame of a coop, a second engaging member hinged at its lower edge to the side of the frame of the said coop directly opposite the first mentioned side of the said coop, springs secured to the said sides of the said coop, said springs formed so as to normally urge the said engaging members outwardly from the sides of the said coop.

1,740,278. WINDOW GLASS. WALTER W. WOOD, Canton, Ohio. Filed Oct. 14, 1927. Serial No. 226,166. 10 Claims. (Cl. 88—60.)



1. A pane of glass having spaced depressions in one surface, the spaces between said depressions being greater than the widths of the depressions, and mirror surfaces in said depressions facing the surfaces of the depressions whereby reflections of light from said mirror surfaces will prevent vision through the glass from the opposite side.

1,740,279. FILM SHIFTER. CARL A. BORNHANN, Binghamton, N. Y., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a Corporation of New York. Filed July 19, 1927. Serial No. 206,967. 7 Claims. (Cl. 95—31.)

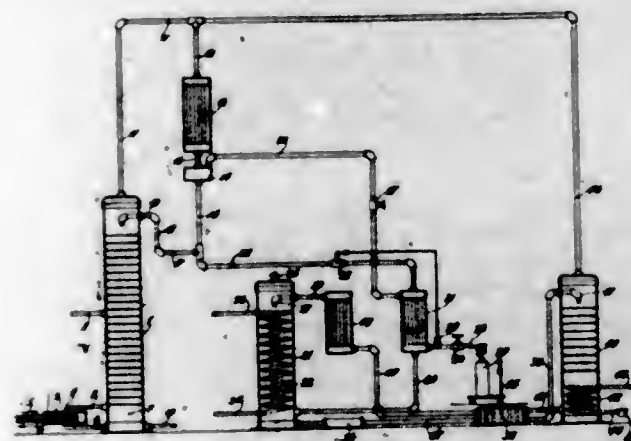


1. In combination, in a camera, a reciprocating film shifter, means for moving said shifter in one direction, means for returning said shifter to starting position, and means for preventing the return of said shifter before completion of the first named movement.

1,740,280. DISTENDED FIBROUS MATERIAL AND PROCESS OF PRODUCING THE SAME. FRANK L. BRYANT, Chicago, Ill., assignor to Sidney L. Schwarz, Chicago, Ill. Filed Dec. 19, 1928. Serial No. 327,171. 20 Claims. (Cl. 92—21.)

14. A product consisting of chemically aerated cellulose material.

1,740,281. REFRIGERATING SYSTEM. SAMUEL C. CARNEY, Tulsa, Okla., assignor to Shell Petroleum Corporation, a Corporation of Virginia. Filed Aug. 21, 1925. Serial No. 51,559. 7 Claims. (Cl. 62—179.)

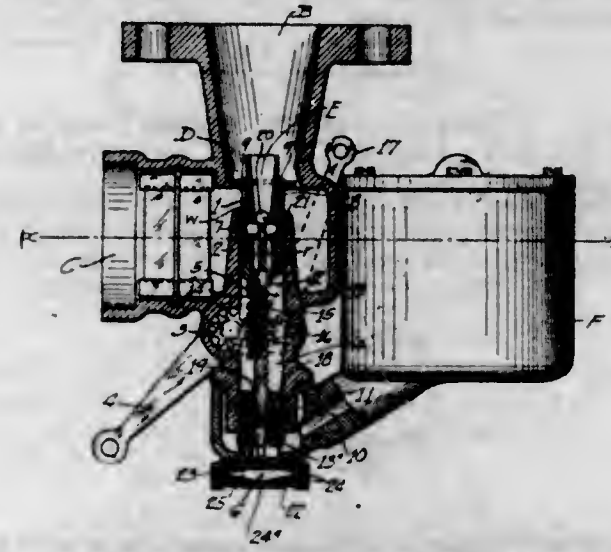


1. In a refrigerating process the step of reclaiming an expanded hydrocarbon refrigerant, which consists in subjecting a vapor of the refrigerant to the absorbent action of a liquid hydrocarbon capable of effecting substantially complete absorption of the vapor; and then redistilling the liquid containing the vapor to segregate the absorbed vapor from the liquid.

1,740,282. CARBURETOR. WILLIAM C. CARTER, Flint, Mich. Filed July 24, 1924. Serial No. 728,052. 2 Claims. (Cl. 261—44.)

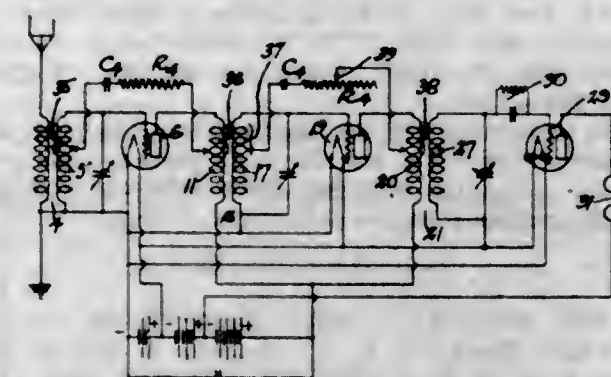
2. A carburetor provided with a mixing chamber, a manually-operated throttle valve arranged at the inlet end of said mixing chamber, an atomizing chamber below the throttle valve, means for admitting air and liquid fuel to said atomizing chamber, an opening in the throat

the valve through which atomized fuel passes from said atomizing chamber into said mixing chamber, and a means rendered operative by the movement of the throttle valve for diminishing the flow of the atomized fuel



into the mixing chamber through the hole in the throttle valve when said valve is moved into its closed position, and for increasing the flow of the atomized fuel into the mixing chamber through the hole in the throttle valve when said valve is moved into its open position.

1,740,283. AMPLIFICATION SYSTEM. SAMUEL COHEN, Brooklyn, N. Y. Filed Sept. 8, 1924. Serial No. 736,002. 3 Claims. (Cl. 179—171.)



1. An amplification system comprising in combination a plurality of electron tubes, each having grid, filament and plate electrodes, input and output circuits interlinking the electrodes of one of said electron tubes with the electrodes of a succeeding electron tube, inductances in each of said circuits, and a circuit including a resistance and condenser operative independently of frequency changes in said tube circuits connected between points intermediate the ends of each of said inductances in the path of interfering currents for displacing the phase of interfering currents with respect to the phase of signaling currents in said system.

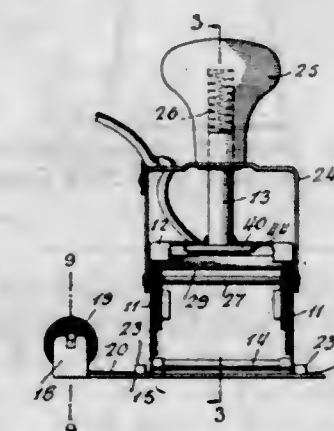
1,740,284. COTTER-PIN-LOCKING MEANS. GEORGE T. COOK, Norwalk, Conn. Filed Apr. 12, 1928. Serial No. 269,379. 1 Claim. (Cl. 85—7.)



In a cotter bolt locking device, a pin having a cotter pin passage therethrough, a sleeve adapted to be removed

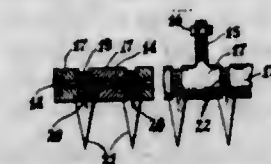
ably fitted on said bolt, said sleeve having a cotter pin entrance passage extending transversely through one side of said sleeve and having two divergent cotter pin exit passages extending transversely therethrough at the opposite side of said sleeve and a wedge between said exit passages, said wedge terminating at the inner circumferential surface of the ring, whereby the cotter pin is constrained to spread immediately upon its emergence from the bolt and is retained in its spread position.

1,740,285. STAMPING DEVICE. ORVILLE C. CORRELL, Brooklyn, N. Y. Filed Jan. 23, 1928. Serial No. 248,959. 13 Claims. (Cl. 41—7.)



1. In a stamping device, a ribbon coated with a coloring substance, a frame having a slot therein, a heating element insertable into said slot and having a casing provided with an abutting edge adapted to engage said frame adjacent said slot to retain said element in position, a die normally contacting said heating element, and means for moving said die into engagement with said ribbon to transfer said coloring substance therefrom to another surface.

1,740,286. COLLAPSIBLE RAKE. EUGENE DABROWSKI, St. James, N. Y. Filed Mar. 7, 1928. Serial No. 259,619. 2 Claims. (Cl. 55—10.)

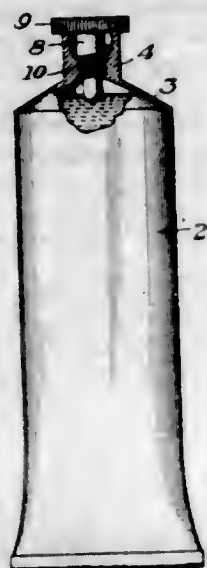


1. In a device of the class described, a rake member formed of a plurality of sections bolted together and having a plurality of dovetailed peripheral grooves and threaded apertures formed partly in each of the sections, a stud projecting from one section for attaching the rake member to a frame, fingers with dove-tailed tongues engaging in the grooves, and set screws engaging the threaded apertures on opposite sides of the tongues for holding the fingers in place.

1,740,287. COLLAPSIBLE TUBE. WALTER T. DAVIS, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed June 25, 1927. Serial No. 201,328. 5 Claims. (Cl. 221—60.)

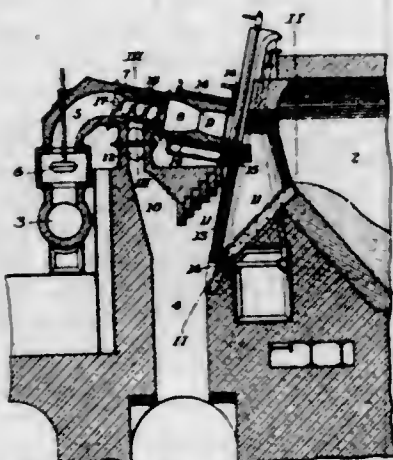
1. A collapsible tube having a neck portion with a discharge passage therethrough, the outer end of the discharge passage being of greater diameter than the inner

portion, and a sealing plug inserted in the discharge passage, the upper portion of the sealing plug being of less



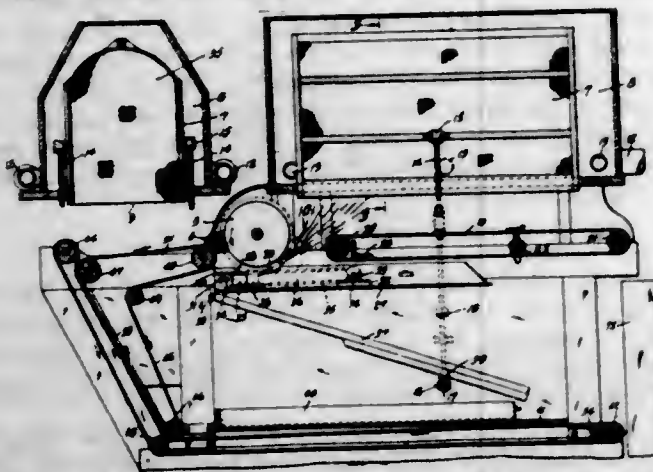
diameter than the diameter of the upper portion of the discharge passage, the plug projecting beyond the end of the neck of the tube.

1,740,288. FURNACE AND METHOD OF OPERATING THE SAME. WALTER DE FRIES, Wilkesburg, Pa. Filed Apr. 7, 1921. Serial No. 459,391. 19 Claims. (Cl. 263-15.)



1. The herein described method of furnace operation, which consists in separately supplying a fuel element and a combustion-supporting element, preheating one of said elements above the ignition temperature of the mixture, utilizing the excess heat of the preheated element to raise the temperature of the other element, and then bringing the elements together and introducing them into the furnace at a temperature slightly below the ignition temperature of the mixture, substantially as described.

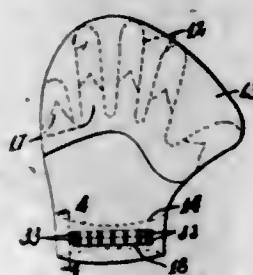
1,740,289. FUR MIXING AND DUSTING MACHINE. HARRY B. FANTON, Danbury, Conn., assignor of one-half to Harry Sachs, Danbury, Conn. Filed Feb. 11, 1929. Serial No. 339,125. 10 Claims. (Cl. 19-80.)



1. In a fur mixing and dusting machine, a rotary picker, means for feeding fur to the picker, an open bottomed hol-

low screen over the picker at the opposite side thereof, a casing enclosing the screen and spaced therefrom, an exhaust fan connected with the space surrounding the screen, means for jarring the screen to prevent sticking of fur thereto, and a conveyor under the screen to receive fur as it drops from the screen.

1,740,290. SWIMMING GLOVE. GEORGE FENETIS, Pelham Bay, N. Y. Filed Mar. 8, 1929. Serial No. 345,286. 3 Claims. (Cl. 9-21.)

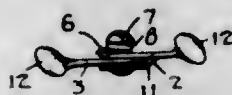


1. A glove of the class described, comprising a palm portion, finger portion integral therewith, a web portion secured on the fronts of the finger portions, a wrist strap connected on the bottom of the palm portion, and a holder for retaining the palm portion, the finger portions, and the web portion in a folded condition disengaged from one's hand.

1,740,291. ELECTRODES AND PROCESS FOR MAKING THE SAME. COLIN G. FINK, Yonkers, and RUSSELL E. LOWE, New York, N. Y., assignors to Barlo Metal Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1923. Serial No. 659,386. 5 Claims. (Cl. 204-4.)

1. In apparatus for the electrolysis of halogen salts, an electrode having a metallic body portion composed of an alloy containing lead and silver with the percentage of silver greater than the percentage of lead.

1,740,292. CLIP AND SCALP PROTECTOR. JACOB P. FISCHER, Brooklyn, N. Y., assignor to Eugene, Ltd., New York, N. Y., a Corporation of New York. Filed Jan. 4, 1929. Serial No. 330,242. 4 Claims. (Cl. 132-36.1.)

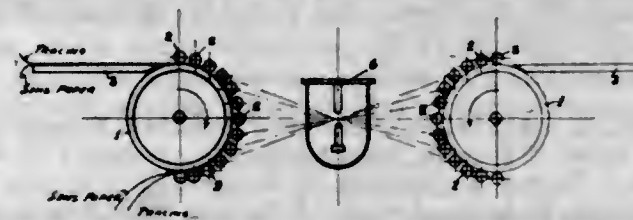


1. A clip and scalp protector for use in connection with hair waving appliances, comprising a pair of thin curved plates hinged together at one pair of superposed extremities and provided at their other extremities with automatic snap-engaging elements cooperative at a series of positions when these extremities are pressed inward so as to pass one over the other, said elements comprising a projection on the face of one of the plates and a series of recesses in the other plate, the coaction of which is such that the plates are forced apart in a direction perpendicular to the plates as these portions slide over each other from one locking position to another, characterized in that the first-mentioned pair of extremities are hinged together by a headed pin which projects above the plates and that a stiff compression spring is interposed between the head of the pin and the face of one of said extremities, the action of said spring being perpendicular to the plates.

1,740,293. LIGHT-PRINT (BLUE-PRINT) MACHINE. CHARLES L. FUNTAN, Paterson, N. J. Filed Oct. 15, 1927. Serial No. 226,400. 4 Claims. (Cl. 95-77.5.)

1. In a light-printing machine, the combination of backing means to support the face-to-face-related sensitized

and image sheets with the former adjoining said means and a multi-barred means between which and the first means the two sheets are gripped and edgewise movable



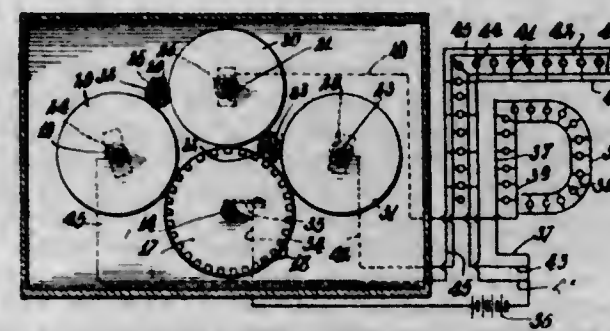
having its bar portions translucent and substantially parallel to and closely contiguous to each other and each revoluble on its own longitudinal axis and cooperating with said first means to grip the two sheets.

1,740,294. ELECTRICAL CONNECTION. GERMAN GALLO P., New York, N. Y. Filed Apr. 21, 1926. Serial No. 103,659. 1 Claim. (Cl. 201-59.)



An electrical resistance which comprises a high resistance portion, a portion of intermediate resistance value of variable length contacting therewith and a portion of low resistance value permanently fixed against one end of the intermediate resistance portion, means for varying the length of contact of the intermediate resistance with the portion of high resistance, and means for holding the free end of the portion of intermediate resistance firmly against the portion of high resistance.

1,740,295. ELECTRIC-SIGN-CONTROL MECHANISM. LOUIS B. GARBER, New York, N. Y. Filed Dec. 27, 1927. Serial No. 242,711. 2 Claims. (Cl. 200-26.)

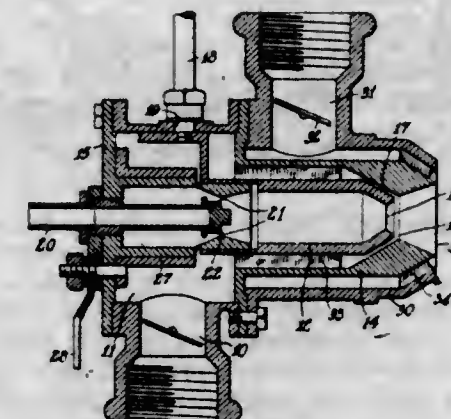


1. In a device of the class described, a drum mounted on the shaft of a driver clockwork, and consisting of a front section with alternate insulation and conductive segments completely around its periphery and a rear section completely conductive around its periphery, a plurality of conductive discs rotatively mounted and contacting with the drum, said drum being arranged for sliding on a square portion of its supporting shaft so that in one position all the said discs engage the front section of the drum and in a second they engage the rear section of the drum, the conductive portions of the drum, and the discs being arranged for connection for controlling electrical circuits including electric sign lamps, a ring with a cam groove mounted on the shaft supporting the drum, and a fork member engaged in the groove and connected for automatically moving the drum in sequence from one to the other of the stated positions.

1,740,296. BURNER APPARATUS. HENRY T. GERDES, Lebanon, Pa., and ALFRED F. SCHUMANN, Baltimore, Md., assignors to Hauck Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 20, 1928. Serial No. 313,866. 6 Claims. (Cl. 158-76.)

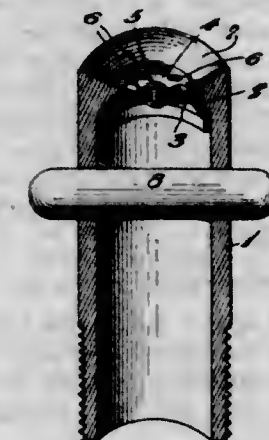
1. Burner apparatus, comprising a casing provided with an inlet for air and a longitudinal through chamber com-

municating therewith, a sleeve axially mounted in the longitudinal chamber and in communication with the interior of said casing at the rear end thereof for affording a primary supply of air, said sleeve having an axial forward outlet, a supply nozzle for fluid combustible mounted coaxially within said sleeve, means to control the admission of air to the said sleeve and embodying a rotatable shutter member mounted thereover at the rear thereof,



said sleeve thereat having radially and tangentially directed inlet ports adapted to register with corresponding apertures of the said shutter, means extending externally of the casing to manipulate the shutter, and a second sleeve mounted coaxially about the first-named sleeve to afford an annular duct between the two sleeves for a secondary supply of the air and sealing off at its inner end said casing and at its outer end provided with an outlet opening beyond the outlet opening of the first-named sleeve.

1,740,297. LUBRICATION FITTING. HUGO C. GIBSON, Philadelphia, Pa., assignor of one-half to E. Hayward Fairbanks, Merchantville, N. J. Filed May 27, 1927. Serial No. 194,635. 7 Claims. (Cl. 184-105.)



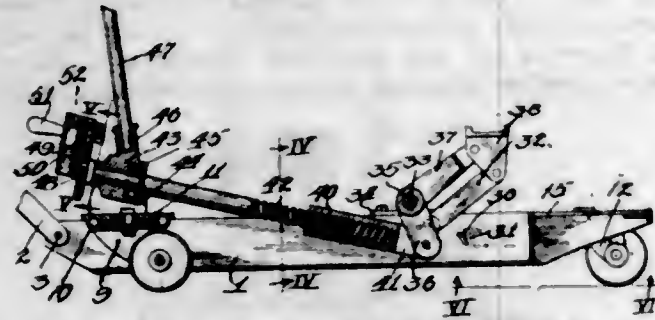
1. In a lubrication fitting a tubular body, a flexible disk valve seating upwardly and controlling an end thereof, said disk valve being shaped to have a snug fit with both the top and side walls of said tubular body, and rigidly central supporting and securing means for said valve carried by said body.

1,740,298. SPECTACLE LENS. JAMES H. HAMMON, Vincennes, Ind. Filed Apr. 6, 1927. Serial No. 181,557. 11 Claims. (Cl. 88-54.)



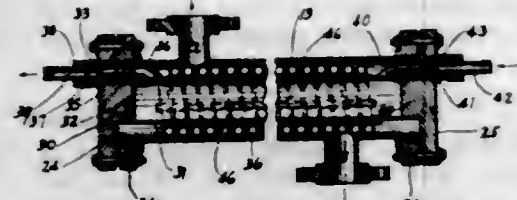
1. A multi-focal fused spectacle lens having a major perforated portion surrounded by the major portion and a fused insert portion both fused to a third portion of substantially the same glass as the major portion, said insert portion forming a prism having the same cross sectional area as the perforation covered by the third portion.

1,740,299. PORTABLE JACK. JOHN R. HENKLE, Chicago, Ill., assignor to Mercury Manufacturing Company, a Corporation of Illinois. Filed May 16, 1927. Serial No. 191,637. 5 Claims. (Cl. 254-7.)



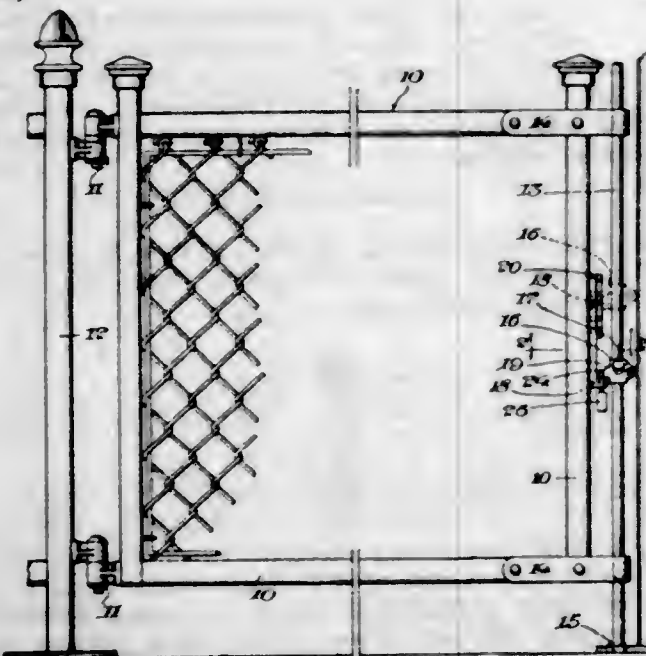
1. A portable jack comprising a frame, roller casters pivotally mounted thereon, a jack mechanism on said frame, a screw device connected therewith, a latching mechanism associated with one of said roller casters and controlled by the operation of said jack mechanism, a pawl and ratchet mechanism connected with said screw device, and a crank for operating said pawl and ratchet mechanism to cause operation of the jack mechanism by said screw device.

1,740,300. HEAT EXCHANGER. ROY O. HENSLEY, Oconomowoc, Wis. Filed Dec. 12, 1928. Serial No. 3,5451. 3 Claims. (Cl. 122-379.)



1. In a heat exchanger, the combination with a boiler, of a boiler supply duct, a blow off duct leading from the boiler through the supply duct, and provided with an outlet, said blow off duct being of such length in proportion to its diameter as to absorb a major portion of the pressure of the boiler water in friction loss, and thereby control the volume independently of valve control, whereby accumulation of sediment and precipitation within the duct may be prevented.

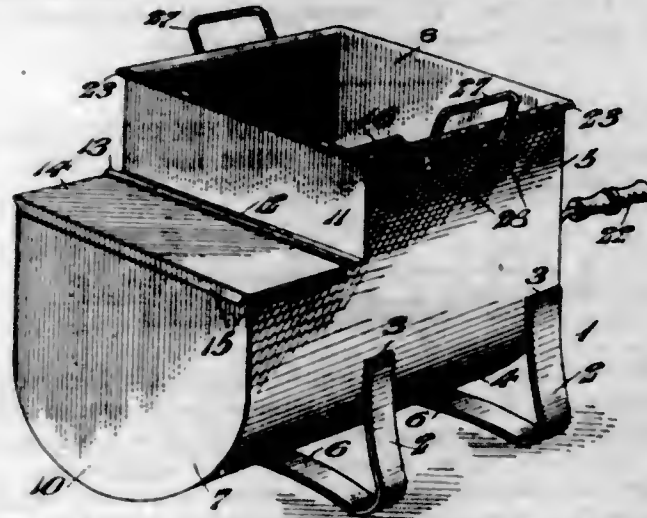
1,740,301. GATE LOCK. BENJAMIN HEYMAN, Baltimore, Md., assignor to Anchor Post Fence Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 14, 1929. Serial No. 339,826. 8 Claims. (Cl. 292-57.)



1. The combination with a gate structure, of a vertically-movable locking bar thereon, a keeper for the bar, a member extending fixedly from said bar toward the gate

structure, a complementary member extending fixedly from the gate structure toward the said bar and adapted to be engaged with the first-named member when the bar is engaged with the keeper, and means for locking together the associated members.

1,740,302. KITCHEN UTENSIL. WILLIAM HODGES and WALTER F. HODGES, Philadelphia, Pa., assignors to William Hodges & Company, a Partnership composed of William Hodges and Walter F. Hodges, Philadelphia, Pa. Filed Sept. 17, 1928. Serial No. 306,531. 1 Claim. (Cl. 257-82.)



A device of the character stated, comprising a support consisting of spaced legs curved at their tops to receive a casing and having an arched, convex portion between said legs, a casing a pair of horizontally arranged adjoining compartments of which one is of less height and smaller than the other, said compartments having a continuous, convexly curved under surface common to both, and each compartment having a substantially flat, vertical, outer end wall, said casing being mounted upon said legs with the said convexly curved undersurface of said casing resting upon the arched convex portions of said legs, an imperforate vertical partition arranged between said compartments in parallelism with said substantially flat ends, and extended above the top of said smaller compartment, the smaller compartment being unobstructed and arranged to contain a cooling agent, and the larger compartment being arranged to contain a commodity to be whipped, a horizontally disposed beater within the larger of said compartments, said beater having a shaft horizontally supported by said vertical partition and the outer flat end wall of said larger compartment, a cover removably fitted to the top of the larger compartment, and a cover hinged to the top of the smaller compartment, which hinged cover may be removed to abut against said imperforate partition to retain said cover in open position for filling the smaller compartment with a cooling agent.

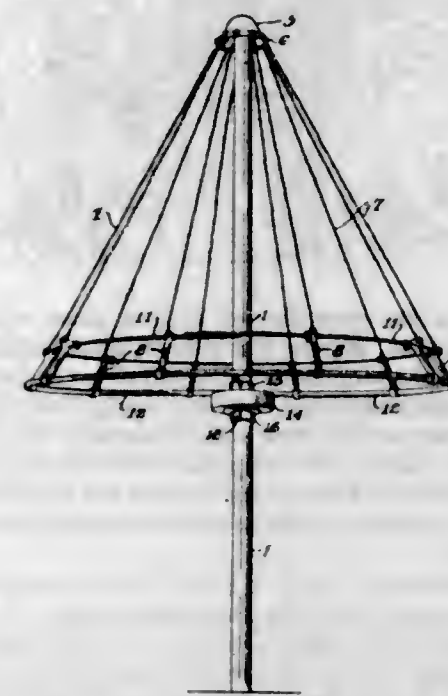
1,740,303. KNOCKDOWN POOL. JAMES P. HOOPER, Ruxton, Md., assignor to Wm. E. Hooper & Sons Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 15, 1929. Serial No. 340,072. 10 Claims. (Cl. 4-177.)



1. The combination in a knock down portable pool structure of a substantially flat flexible covering and a

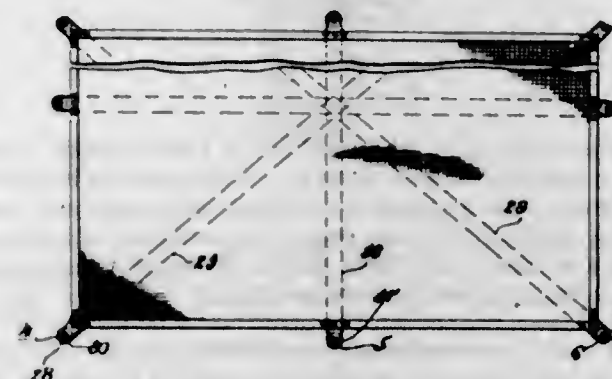
frame, the frame consisting of top rail sections adapted to be secured to the edges of the fabric, tubular corner uprights slotted longitudinally permitting the corners of the fabric to be rolled and inserted in the uprights, a portion of the fabric connecting the roll to the remainder of the cover extending through the slot and means for removably securing the ends of the top rail sections to the uprights.

1,740,304. PLAYGROUND APPARATUS. CHARLES E. HOPPES, Springfield, Ohio, assignor to The Everwear Manufacturing Company, Springfield, Ohio, a Corporation of Ohio. Filed Mar. 19, 1927. Serial No. 176,773. 2 Claims. (Cl. 273-33.)



1. In a playground apparatus of the character described, a central support, a buffer ring revolvably and oscillatorily hung from said support, rigid links attached to said ring and depending therefrom, and a circular hand rail attached to the lower ends of said links at such elevation from the ground as to permit a person to hang therefrom by grasping said rail with the hands and to be rotated by pushing on the ground with the feet.

1,740,305. KNOCKDOWN PORTABLE POOL. JAMES P. HOOPER and EDWIN C. CLAYTON, Ruxton, Md., assignors to Wm. E. Hooper & Sons Company, Baltimore, Md., a Corporation of Maryland. Filed Aug. 8, 1928. Serial No. 298,180. 12 Claims. (Cl. 4-177.)

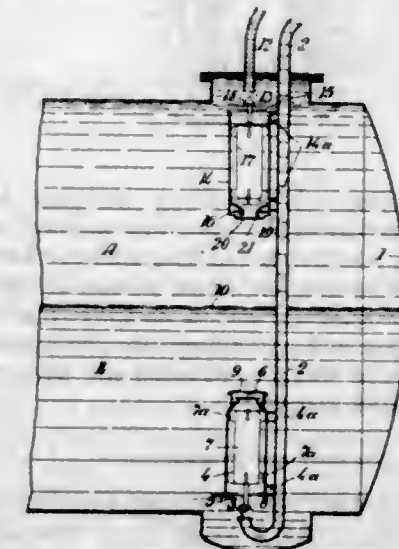


1. A swimming pool having a cover in the form of a flat sheet of fabric having edges corresponding to the sides of the pool, said edges approaching and forming corner portions, and a top frame therefor comprising separate rigid top rail members, one said member being secured throughout substantially its entire length to each of said edges, the end of each said member being spaced away from the corners in the knocked down spread condition of the

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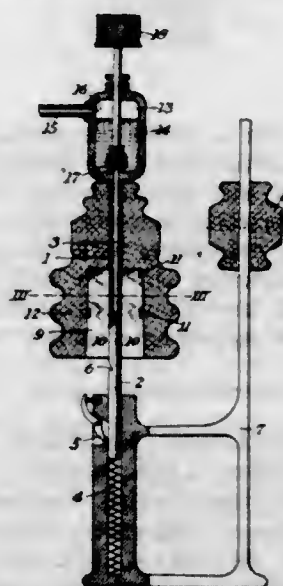
cover by a distance substantially equal to the depth of the pool when set up leaving a free corner flap at each corner of the cover, means for securing the top frame members together at the corners and means for supporting the top frame members at a height corresponding to the depth of the pool, the corner flaps being folded to close the corners of the pool.

1,740,306. APPARATUS FOR STORING AND DISPENSING LIQUID FUELS. ERNST HURLBRINK, Berlin, Germany, assignor to Firm Martini & Hüneke Maschinenbau-Aktiengesellschaft, Berlin, Germany. Filed June 13, 1928. Serial No. 285,083, and in Germany June 18, 1927. 18 Claims. (Cl. 221-67.)



1. In a liquid storing and dispensing apparatus a tank, a heavier liquid conduit, communicating with the lower end thereof, a conduit for a lighter liquid, communicating with the upper end of the tank, a valve for closing each of said conduits, a float for actuating each of said valves, an upper chamber and a lower chamber, for enclosing said floats, said upper chamber being open at the upper end thereof and provided with an outwardly opening check valve at the closed lower end thereof and said lower chamber being open at the lower end thereof and provided with an outwardly opening check valve at the closed upper end thereof, whereby the heavier liquid may reach the upper end of the upper chamber and said lighter liquid may reach the lower end of said lower chamber before said conduits are closed by said valves, thereby utilizing to the utmost the capacity of said tank.

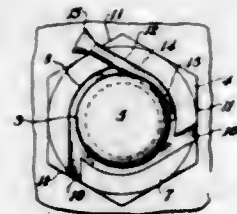
1,740,307. ELECTRIC SWITCH. CHARLES L. JONES, Pittsburgh, Pa. Filed Apr. 7, 1924. Serial No. 704,622. 11 Claims. (Cl. 200-150.)



1. An electric switch comprising separable contacts, a tube of material resistant to thermal shock surrounding

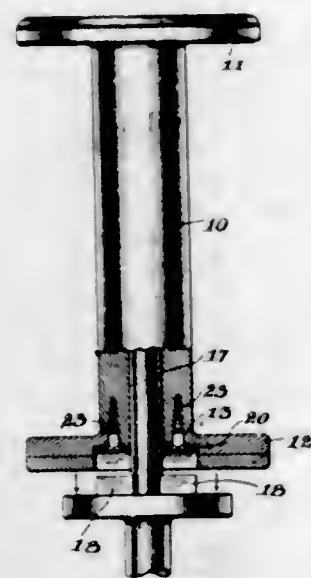
the contacts, and means for supplying a highly compressed non-flammable non-conducting fluid between the contacts so as to separate them by the pressure thus applied.

1,740,308. NUT LOCK. FRANK J. KRABER, Cleveland, Ohio, assignor, by direct and mesne assignments, to Kraberhall, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 26, 1928. Serial No. 308,385. 9 Claims. (Cl. 151-26.)



3. In combination with a screw threaded bolt, a nut having a central threaded bore and having an annular groove in a face at one end of the central threaded bore, a straight groove extending from a side of the nut only to said annular groove, and a locking pin located in the straight groove and extending into the annular groove and in gripping and wedging engagement with the threaded bolt and annular groove.

1,740,309. BASE PROTECTOR AND DRIVER FOR BOBBINS AND THE LIKE. JACK LOCK, Greenville, S. C., assignor to John E. Lock, Charlotte, N. C. Filed Feb. 14, 1928. Serial No. 254,229. 1 Claim. (Cl. 242-40.2.)



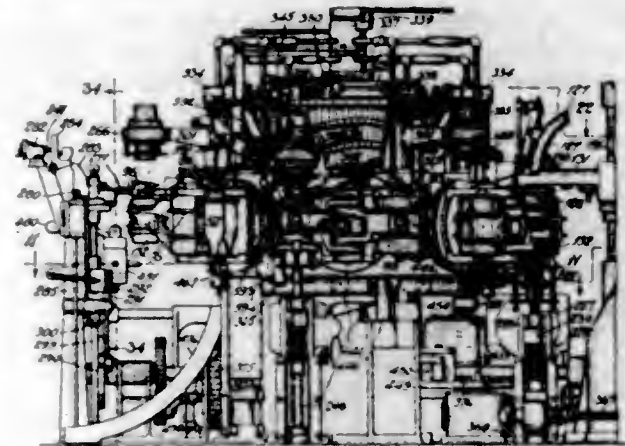
The combination with a bobbin comprising a barrel and applied base, said barrel and base having a coinciding spindle opening, of a base protector and driver comprising a disk of wear-resisting material inset into said base with a center opening coinciding with the spindle opening, fastening members inserted through said disk and said base into said barrel, and shoulders carried by the disk for engagement with propelling elements of a spindle.

1,740,310. GLASS-SHAPING MACHINE. EDWARD H. LORENZ, West Hartford, Conn., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Aug. 8, 1921. Serial No. 490,567. 49 Claims. (Cl. 49-5.)

3. In a glass shaping machine, the combination of a mold from which the shaped ware projects, a stripper surrounding the projecting part of the ware, means for open-

ing the molds, and means for moving the stripper downwardly from the ware at a greater speed than the speed of fall of the ware.

4. In a machine having a mold for shaping glassware, the combination of a guiding member cooperating with the mold when a charge of molten glass is delivered thereto and a support having a universal connection with the member whereby the member may be swung into register with the mold.

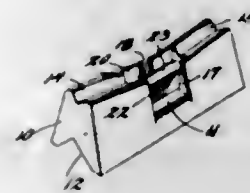


8. Apparatus for operating on molten glass, comprising a shaping machine, means for periodically feeding mold charges to the shaping machine, a driving connection between the shaping machine and the charge feeding means adapted to operate the two synchronously in a proper timed relation, means for stopping the shaping machine independently of the feeding means and for again starting the shaping machine in said proper timed relation to the feeding means.

26. The combination with a glass shaping machine having driving connections to a source of power, of a speed change device in said connection, a clutch in the connections on one side of said device, an overload indicator on the other side of said device, and means for disconnecting the clutch upon the indication of an overload.

36. In a glass shaping machine, the combination of a mold, ware engaging tongs, means to actuate the tongs to engage the ware within the mold, means for relatively moving the tongs and the mold to remove the ware therefrom, and means actuated by the engagement of the tongs and the mold for stopping the machine.

1,740,311. GUIDE FOR TEXTILE MACHINES. JOHN R. MITCHELL, Trenton, N. J. Filed Sept. 20, 1928. Serial No. 307,218. 10 Claims. (Cl. 242-149.)



1. As an article of manufacture, a thread guide comprising a one-piece block having a transverse guide slot, and provided with a recess intersecting said guide slot and extending downwardly from the upper surface of the block, whereby a movable wear piece may be inserted downwardly in said recess and held therein by gravity.

1,740,312. PROCESS OF PRODUCING SOLUBLE LEAD REAGENTS. DERIC WILLIAM PARKES, Ryders Green, West Bromwich, England, assignor of one-half to Herbert William Robinson, Birmingham, England. Filed Oct. 31, 1928. Serial No. 316,365, and in Great Britain Feb. 17, 1928. 10 Claims. (Cl. 23-97.)

1. The method of dissolving lead chloride which consists in adding acid to a hot mixture of lead chloride, alkali metal acetate and water.

1,740,313. HAIR-CURLING DEVICE. ARNAUD E. PAUSER, Philadelphia, Pa. Filed Apr. 5, 1927. Serial No. 181,059. 5 Claims. (Cl. 132-33.)



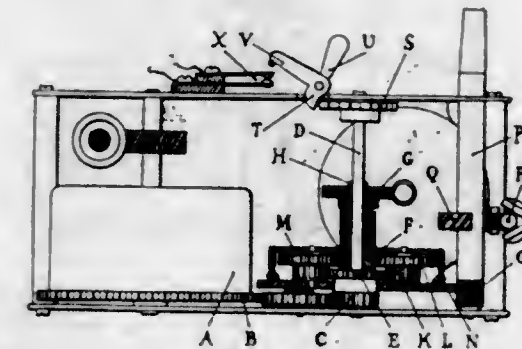
1. As a new article of manufacture, a wrapper for use in hair curling comprising an elongated narrow strip of flexible textile fabric adapted for winding longitudinally in convolutions around a hair-supporting stem, and a flexible metallic element attached to and extending longitudinally of the strip and having a characteristic tendency to retain the form into which it may be flexed.

1,740,314. COMBINATION FLASH LIGHT AND TELESCOPE. EARL H. PITNEY, Chicago, Ill. Filed Feb. 16, 1928. Serial No. 254,737. 8 Claims. (Cl. 240-6.4.)



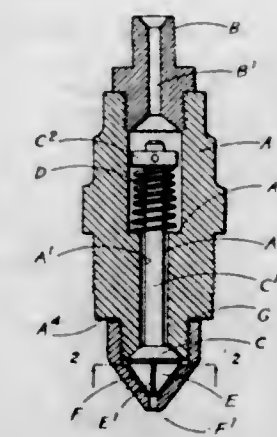
1. A combination flashlight and telescope of readily convertible character for alternative corresponding uses, which device comprises a telescopically extensible shell including mutually detachable sections provided with lenses respectively adapted mutually and spaced widely apart for telescopic use, in combination with a removable lamp, battery and switching means adapted and arranged to direct light rays through one of said lenses for flashlight use, the switching means comprising a holder for said lamp having threaded engagement with one of said sections for axial adjustment to open and close the circuit and having co-terminating engagement with the other section, whereby the circuit may be controlled by relative turning of said sections.

1,740,315. PLANET-GEAR DRIVE FOR ELECTRO-MECHANICAL PHONOGRAPHS. WASSILY REBIKOFF, Paris, France, assignor to Léonide Davydoff, Paris, France. Filed July 16, 1928. Serial No. 293,019, and in France Sept. 10, 1927. 2 Claims. (Cl. 74-34.)



1. A combined electromechanical control device for phonographs comprising an electric motor, a feed circuit therefor, a spring motor, two coaxial independent shafts adapted to be driven in opposite directions at a predetermined speed respectively by the electric motor and by the spring motor, the turntable spindle of the phonograph, a planet gear the main pinions of which are keyed to the coaxial shafts respectively and the casing of which drives the turntable shaft and means for automatically preventing the movement of the spring motor from acting on the corresponding shaft when the electric motor is normally operative.

1,740,316. FUEL-INJECTION DEVICE FOR INTERNAL-COMBUSTION ENGINES. HARRY RALPH RICARDO, London, England. Filed Feb. 3, 1927. Serial No. 165,701, and in Great Britain Feb. 25, 1926. 1 Claim. (Cl. 299-133.)



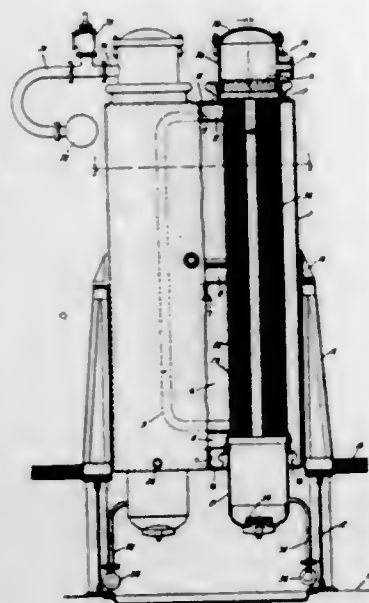
A fuel injection device for internal combustion engines comprising a body portion having a passage therethrough terminating in a valve seat, an orificed nozzle formed with an internal conical seat and having connection with said body portion adjacent the valve seat, a valve cooperating with said valve seat to control the delivery of fuel through said passage and having a stem extending loosely through said passage, the parts being so constructed as to permit passage of fuel between the stem and the wall of said passage, a conical member carried by said valve in position to engage said conical seat when said valve is unseated, one of the conical engaging surfaces being grooved to constitute a fuel injection passage, a spring disposed within said passage and connected with said stem and normally retaining said valve on its seat, whereby pressure of fuel admitted to said body portion serves to open said valve and to seat said conical member to permit passage of fuel through said grooves.

1,740,317. FIRE LIFE-SAVING DEVICE. CARL ROMSON, Mora, Sweden. Filed Jan. 6, 1928, Serial No. 244,953, and in Sweden Jan. 19, 1927. 1 Claim. (Cl. 227-28.)



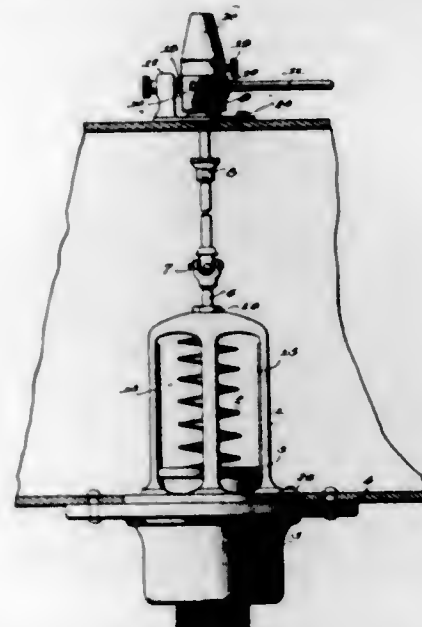
A reeve-block having a supporting means, said block being of tapered formation and having openings in the base thereof, individual passage portions connecting with each of said openings and extending in a plane parallel to said tapered portion, and a tortuous passage portion connecting each of said first named passage portions.

1,740,318. CONDENSER BOILER. ARTHUR R. SMITH, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 24, 1927, Serial No. 242,324. 7 Claims. (Cl. 257-224.)



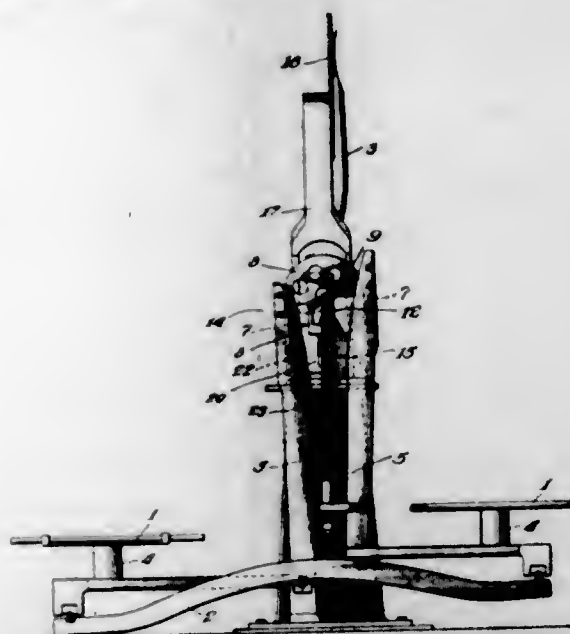
1. In a condenser boiler, the combination of a shell having top and bottom walls provided with openings, boiler units supported at their upper ends in said openings, each boiler unit comprising an upper header, a lower header, and tubes connecting them, means for supporting the upper header on said shell, the lower header being free whereby the boiler unit may expand and contract, yieldable sealing means connecting the upper and lower headers to said casing, and means for supplying liquid to said boiler units, said shell having an opening through which vapors to be condensed are admitted.

1,740,319. VALVE FOR TANK CARS AND THE LIKE. GEORGE STANCU, Jr., Philadelphia, Pa. Filed Apr. 1, 1927, Serial No. 180,186. 6 Claims. (Cl. 137-21.)



1. A valve comprising a casing, a valve within said casing, a member carried by said valve, a radially movable screw holding means cooperative with said member, and detachable means for operating said member for the actuation of said valve upon the release of said holding means.

1,740,320. WEIGHING SCALE. ADRIANUS VAN DUYN, Rotterdam, Netherlands, assignor to Naamloze Vennootschap Maatschappij tot Vervaardiging van Snelmachines Volgens van Berkel's Patent en van Andere Werktuigen, Rotterdam, the Netherlands, a Limited Liability Company of the Netherlands. Filed July 11, 1927, Serial No. 204,746, and in Germany Mar. 2, 1926. 7 Claims. (Cl. 265-58.)

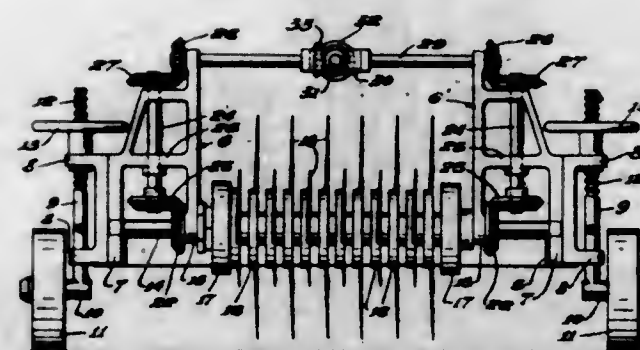


1. A rotating scale comprising a beam, pans pivotally mounted on said beam, uprights connected with said pans, and a rotatable element interposed between said uprights for guiding said pans for parallel movement.

1,740,321. CHOPPER AND CULTIVATOR. FRANK VASCONCELLOS, Pala, Maui, Territory of Hawaii. Filed Dec. 28, 1927, Serial No. 248,185. 1 Claim. (Cl. 97-40.)

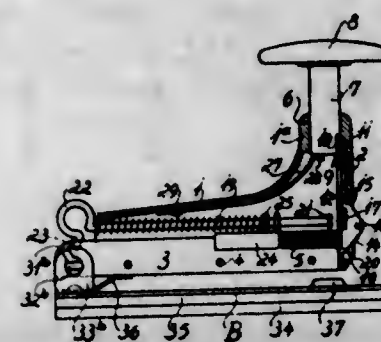
An apparatus of the character described, comprising a frame including a pair of side members and an end mem-

ber, a standard extending upwardly from each of said side members approximately midway between the ends of the latter, each of said standards comprising an outer vertical member having its lower end connected to a side member of said frame and an inner vertical member spaced from said outer member inwardly of the frame, a transverse member connecting said vertical members between their upper and lower ends, a second transverse member connecting the inner vertical member below its upper end to the outer vertical member, a pair of vertically aligned spaced ears extending laterally from said outer vertical member, a blade-carrying shaft extending transversely of said frame and journaled in the inner vertical members of said standards below said first-named



transverse members, a bevel gear keyed to said shaft adjacent each end thereof and bearing against the outer side of one of said inner vertical members, a drive shaft journaled in the inner vertical members above said second-named transverse member, a bevel gear keyed to said drive shaft adjacent each end of the latter and bearing against the outer side of one of said inner vertical members, a vertical shaft journaled in the transverse members of each of said standards, a bevel gear keyed to each end of each of said vertical shafts and meshing, respectively, with the bevel gears of said blade-carrying and driving shafts, a spindle journaled in the lateral ears of each of said outer vertical members, and a wheel-carrying stub shaft carried by each of said spindles.

1,740,322. STAPLING DEVICE. MAX VOGL, Frankfurt-on-the-Main, Germany. Filed Oct. 1, 1926, Serial No. 138,928, and in Germany July 26, 1926. 3 Claims. (Cl. 1-3.)

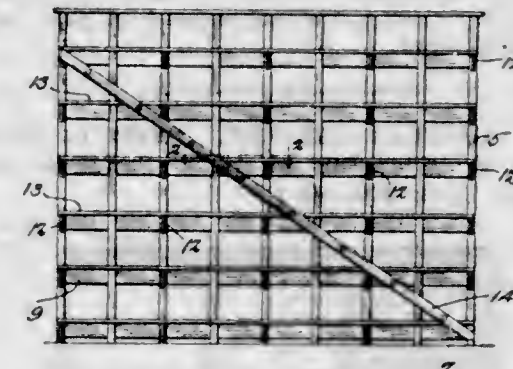


1. A stapling device comprising a base, a horn-shaped body part hinged to the base, a staple support located in said body part, staple feeding means and staple setting means located within said body part, and locking means for locking the staple setting means, said locking means comprising a double-armed lever pivotally mounted on the body part and having one arm extending towards the staples and its other arm adapted to engage the staple setting means.

1,740,323. HEN'S NEST AND NEST RACK. WARREN E. WALLER, Charles City, Iowa. Filed Jan. 4, 1927, Serial No. 158,943. 1 Claim. (Cl. 119-45.)

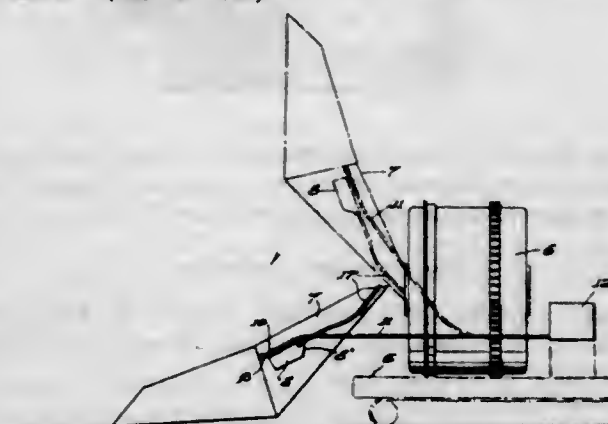
In a nest rack, front and rear rows of vertical uprights, the uprights of the front row being disposed opposite to the uprights of the rear row, the uprights being ar-

ranged in spaced relation lengthwise of the rack, the inner surfaces of the uprights having longitudinal grooves, horizontal rods arranged in vertical spaced relation with each other and secured to the inner surfaces of the up-



rights of each row, the rods on the rows of uprights being arranged opposite to each other, partitioning members removably held in the grooves and resting on the rods, and nests having lateral flanges which rest on the rods.

1,740,324. SOLUTION-FEEDING MECHANISM FOR CONCRETE MIXERS. HARRY D. WELLS, Concord, N. H. Filed Aug. 31, 1928, Serial No. 303,327. 4 Claims. (Cl. 88-73.)



1. The combination with a concrete mixer, of a chemical solution charging device including a supply, a closed tank mounted for swinging movement to and from the mixing chamber of the mixer, a coupling in the far upper end of said tank, said coupling being connected to the supply and adapted to be filled therefrom when the tank is below the supply, an outlet pipe leading from the opposite end of the tank and above the supply when the tank is being filled, and a check valve normally closed when the tank is being filled and automatically opening when the tank is elevated and being emptied.

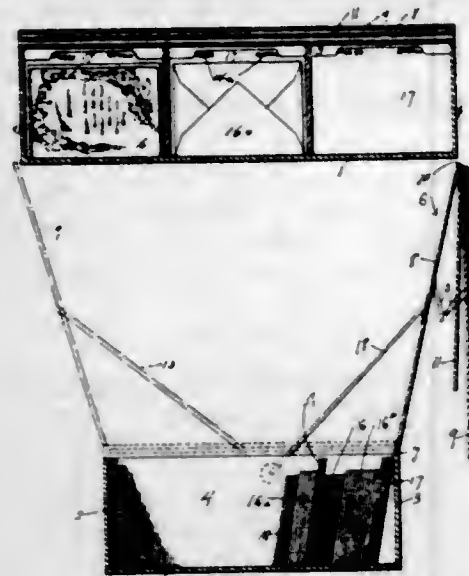
1,740,325. HOOD FASTENER. ROGER JEAN ARNOUILL, Paris, France. Filed June 27, 1928, Serial No. 288,768, and in France July 4, 1927. 3 Claims. (Cl. 292-17.)



1. In a fastening device for closures the combination of a vertically disposed stationary latch post, a movable loose fitting stirrup formed to be slidably fitted over said latch post, resilient latching means carried by said latch

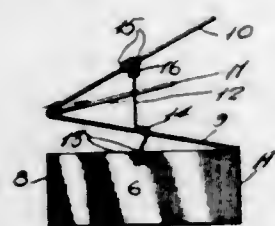
post, and complementary resilient latching means carried by said stirrup said complementary resilient latching means being formed to allow play in a vertical direction whereby strain on the hinges of said fastening device is diminished and simultaneously allow play in a horizontal plane whereby closing and adjustment of said fastening device is facilitated.

1,740,326. DISPLAY CABINET. HARRY L. BAKER, Elmira, N. Y. Filed July 31, 1928. Serial No. 296,479. 6 Claims. (Cl. 206-44.)



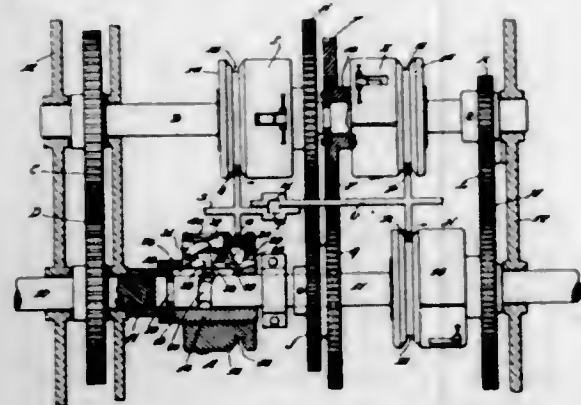
1. A display cabinet comprising a cabinet section, and a hinged cover section including a pair of hinged walls with display areas on the adjacent faces thereof.

1,740,327. DISPLAY CABINET. HARRY L. BAKER, Elmira, N. Y. Filed Oct. 18, 1928. Serial No. 313,326. 6 Claims. (Cl. 206-44.)



1. A display cabinet comprising a cabinet section, a pair of hinged display covers with one cover hinged to the cabinet section and common means for supporting each cover on its hinge in open position.

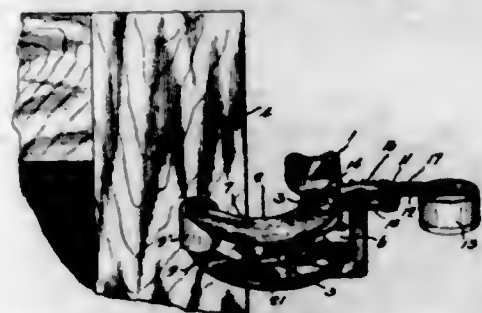
1,740,328. COUPLING. HENRY E. BRICE, New York, N. Y. Filed May 7, 1928. Serial No. 275,898. 6 Claims. (Cl. 192-30.)



1. In a coupling, the combination of a driving rotatable part, a driven rotatable part, a reciprocable member movable in a path parallel to the axis of said parts, means

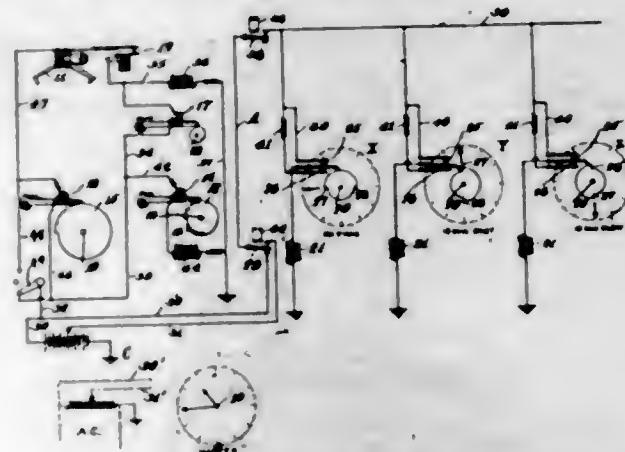
on one of said parts for imparting reciprocation to said member upon rotation of the said part in either direction, co-acting obstructing members movable into the path of movement of said member in respectively opposite directions, and means for controlling the actuation of said co-acting obstructing members to and from obstructing positions.

1,740,329. DOOR CHECK AND TIGHTENER. RAYMOND C. BROADSTONE, Dayton, Ohio. Filed Aug. 18, 1928. Serial No. 300,548. 20 Claims. (Cl. 292-79.)



1. In a door check and tightener wherein a spring actuated oscillatory member is engaged by the door during its closing movement and oscillated beyond a dead center relation relative to its actuating spring, whereupon the spring actuates said member through an additional movement to insure final closing movement of the door, an oscillatory governor weight and an escapement mechanism operated by the movement of said member controlling the oscillation of the governor weight to regulate the movement of the member under influence of its spring.

1,740,330. SYNCHRONIZING CLOCK SYSTEM. JAMES W. BRICE, Bloomfield, N. J., and CHARLES H. GETZ, Cleveland, Ohio, assignors to International Time Recording Company of New York, Endicott, N. Y., a Corporation of New York. Filed June 23, 1925. Serial No. 38,954. 31 Claims. (Cl. 58-24.)

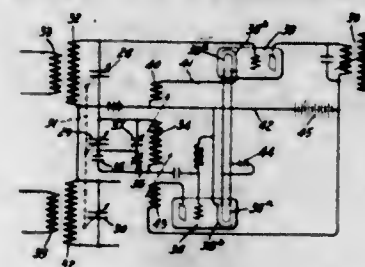


1. In a synchronizing clock system, the combination of a master clock, means for controlling the distribution of electrical energy under different differences of potential over a common circuit, a secondary clock connected across said common circuit each secondary clock having a translating device, and means responsive to a difference in potential for determining whether the electrical energy from said common circuit will be utilized for advancing the secondary clock.

1,740,331. TUNING OF HIGH-FREQUENCY CIRCUITS. WENDELL L. CARLSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 4, 1928. Serial No. 310,298. 18 Claims. (Cl. 250-20.)

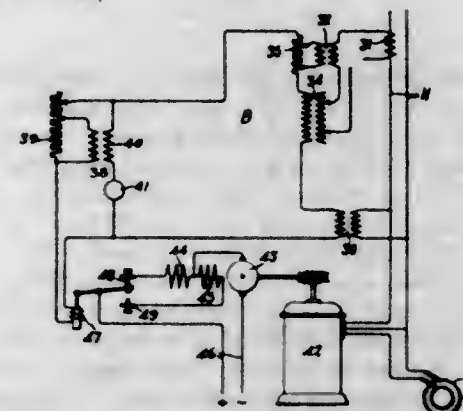
1. In an electrical apparatus, the combination with a pair of tuned radio frequency circuits each comprising an inductance and a variable tuning capacity, said capacities

having the same tuning characteristic and being connected for simultaneous operation through the same tuning movement range, of means for maintaining said circuits at substantially a constant difference in frequency throughout said range, said means comprising a capacity con-



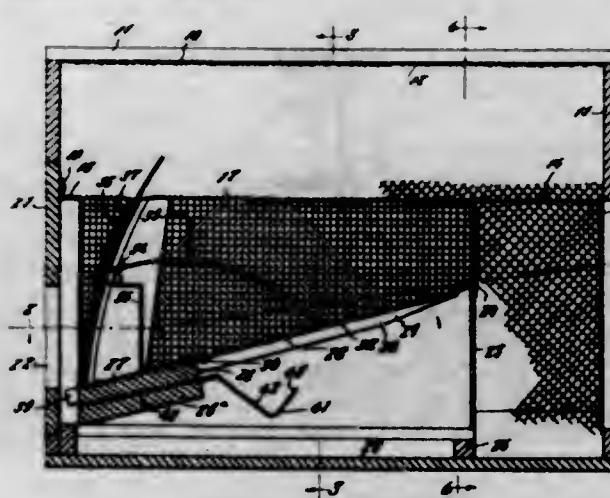
nected in series with one of said tuning capacities and having a value greater than the maximum value of said tuning capacity, and a capacity connected in shunt to said tuning capacity and having a value less than the minimum value of said tuning capacity.

1,740,332. AUTOMATIC REGULATING SYSTEM. FRANKLIN J. CHAMPLIN, Dalton, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 20, 1928. Serial No. 300,631. 10 Claims. (Cl. 171-119.)



1. In combination with an electrical distributing system, a regulator therefor, a line drop compensator through which said regulator is energized, an indicating circuit associated with said line drop compensator and means for jointly adjusting the electrical constants of the regulator and indicating circuits.

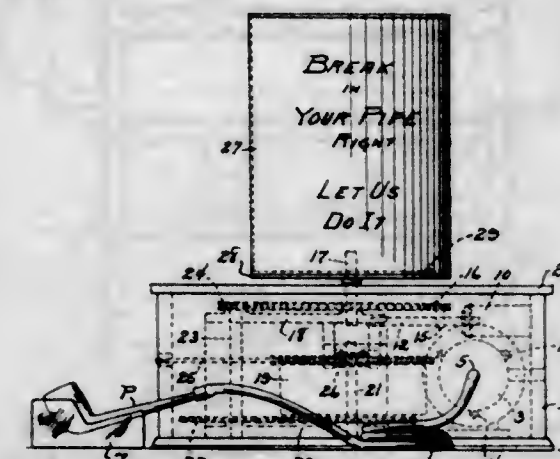
1,740,333. ANIMAL TRAP. WALTER JACKSON CHISHOLM, Waco, Tex. Filed Nov. 9, 1927. Serial No. 232,110. 2 Claims. (Cl. 43-67.)



1. An animal trap comprising a trapping chamber having an opening in one wall thereof, a vertically slidable door controlling said opening, an entrance chamber located therein and supported by said end wall in a line with said opening, said entrance chamber including a rear wall having an opening therein, and an outwardly inclined yieldable platform constituting a part of the bottom of

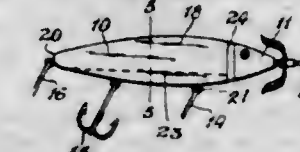
said chamber, spaced identically constructed springs arranged within the entrance chamber, each including a vertical portion, and a longitudinally and downwardly curved portion connected with said yieldable platform, and an offset coil connecting said respective portions and arranged to engage said sliding door to normally maintain the latter in an opened position, and a tilting platform supporting said door when closed and terminating above the opening in the rear wall of said entrance chamber.

1,740,334. DEVICE FOR BREAKING IN SMOKERS' PIPES. LAWRENCE E. CHURCHILL, Oshkosh, Wis. Filed May 12, 1928. Serial No. 277,307. 3 Claims. (Cl. 131-59.)



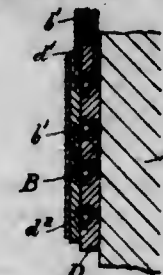
1. A device for breaking in a smokers' pipe comprising a suction device, a hose for connecting the same with the mouthpiece of a pipe, an electric motor for operating the suction device, a circuit for the same, a spring motor, a normally open switch in the circuit and means operated by the spring motor for moving the switch to closed position intermittently.

1,740,335. FISHING BAIT. JOHN HAMILTON COWAN, Ottawa, Ontario, Canada. Filed May 2, 1927. Serial No. 188,365. 8 Claims. (Cl. 43-46.)



1. A plug comprising a core, a permanently attached casing of transparent material fitted over the core, a spaced enclosure formed between the core and the casing, an insert of suitable material designed to fit into the spaced enclosure between the core and the casing and to partially envelop the core, markings on said insert visible through the casing and whereby the appearance of the plug is changed, and means for permanently retaining the casing on the core.

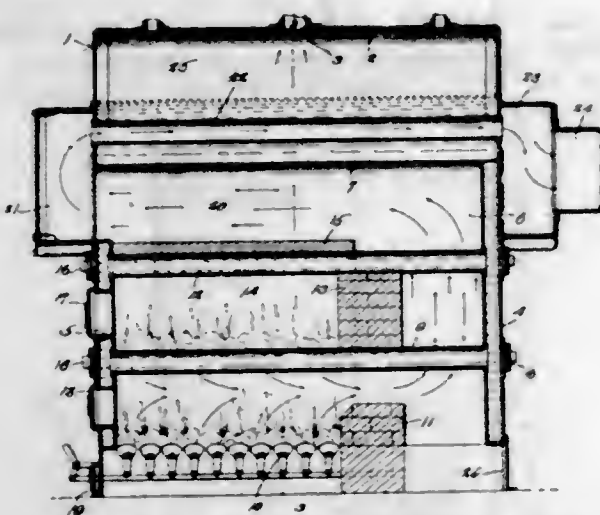
1,740,336. HEATING AND COOLING OF BUILDINGS. RICHARD GODFREY CRITTAL and JOSEPH LESLIE MUSGRAVE, London, England. Original application filed Sept. 20, 1923, Serial No. 663,861, and in Great Britain Nov. 10, 1922. Divided and this application filed June 22, 1926. Serial No. 117,773. 4 Claims. (Cl. 257-8.)



1. In a building, the combination with a concrete surface structure, of a pipe for the flow of a heating or

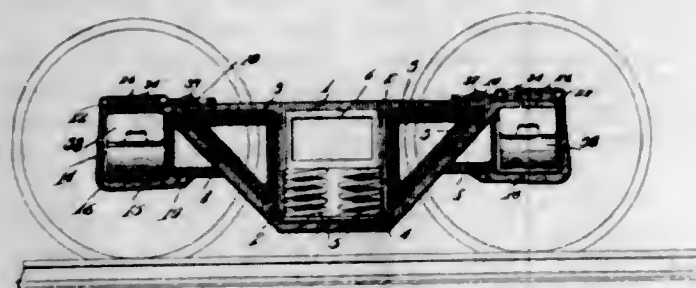
cooling fluid therein to heat or cool the interior of the building and embedded in the concrete of said structure near the surface thereof, and reinforcing material surrounding and spaced from said pipe in tubular form and embedded in the concrete.

1,740,337. STEAM GENERATOR. JOHN T. CULLEN, Jr., Clinton, Iowa. Filed Aug. 4, 1928. Serial No. 297,486. 3 Claims. (Cl. 122-77.)



1. A steam generator including an outer and inner shell cooperating to provide a water holding space between the sides and tops thereof, the side portions of the space increasing in width upwardly to the top portion, a bridge wall within the lower portion of the inner shell, a lower grate in front of the bridge wall, front and rear water-legs connected to the outer and inner shells, a horizontal series of water tubes extending over the bridge wall and lower grate and opening into the water-legs, said tubes constituting a water grate, a horizontal series of water tubes within the inner shell above the water grate and spaced from the top of said shell and opening into the water-legs, a vertical transverse partition between the water-legs supported between the series of water tubes, and a cover mounted on the upper series of water tubes extending from the front water-leg to said partition and cooperating with the partition and the water grate to provide an upper combustion chamber, the exhaust gases from said upper combustion chamber flowing downwardly through said lower series of tubes and mixing with the gases from the lower grate, the combined gases overflowing over said bridge wall to a passage connecting with the space above said upper series of tubes, there being an outlet from said space.

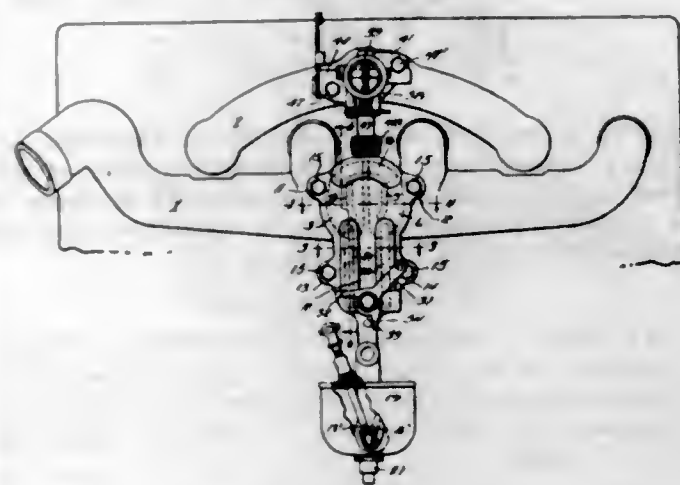
1,740,338. RAILWAY-CAR-TRUCK SIDE FRAME. REPAUD H. DAVENPORT and JAMES PORTER, South Jacksonville, Fla. Filed Sept. 26, 1927. Serial No. 222,090. Renewed Nov. 4, 1929. 6 Claims. (Cl. 105-205.)



1. The combination with a car truck side frame having a horizontally disposed top housing plate and a depending rear housing plate at its extremity, of connected front and bottom housing plates hingedly connected as a unit to the rear side housing plate at a point below and rearwardly offset from the housing face thereof, and latching

means having pivotal connection with the top of the front housing plate and arranged to engage and be locked to the upper side of the top housing, said plates constituting a housing to enclose and support the journal box of the car axle.

1,740,339. VAPORIZER. GEORGE A. EYNON, Cleveland, Ohio. Filed Nov. 22, 1926. Serial No. 149,903. 3 Claims. (Cl. 123-122.)



1. In combination with an internal combustion engine having a cast metal exhaust manifold, the front wall of which has a pair of cored passageways extending thereacross, a plate secured to the front of said manifold and forming the front wall of said passageways, said plate having a depending portion and a mixing device for primary air and volatile fuel secured thereto, said plate having a bore therein connecting said mixing device and said pair of passageways, a mixing chamber connected with said engine and with said pair of passageways and having an inlet for secondary air and valve means journaled in said plate and associated with said passageways for cutting off the flow through one of said passageways without materially varying the speed of the engine whereby to vary the temperature of the mixture delivered to said mixing chamber without materially affecting the proportion of primary air and fuel delivered to said mixing chamber.

1,740,340. CHIN SUPPORT. ARTHUR GALBRAITH, Ash Grove, Mo. Filed Sept. 27, 1928. Serial No. 308,861. 3 Claims. (Cl. 27-25.)

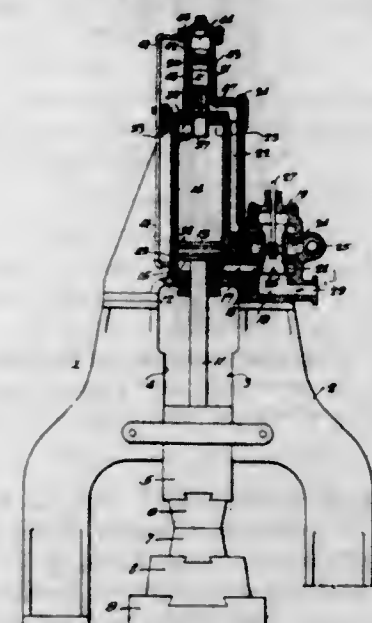


1. A chin supporter including a threaded rod, a member to be positioned in the nostrils, at one end of the rod, a chin piece movable longitudinally of the threaded rod, a nut operating in the threaded rod for moving the chin piece longitudinally of the threaded rod, and a chin rest on the chin piece.

1,740,341. FORGE HAMMER. WILLIAM J. HAGMAN, Philadelphia, Pa. Filed Feb. 11, 1925. Serial No. 8,461. 3 Claims. (Cl. 121-132.)

1. In a hammer having a main cylinder provided with a main piston, a passage for conveying fluid to and from the upper end of said main cylinder, and means for controlling the flow of fluid to and from said fluid passage;

the combination therewith of a plunger reciprocally mounted at and extending into the upper end of said main cylinder, said plunger being hollow and open at its end nearest said main piston and having a duct affording communication between said opening and said fluid passage, said plunger being adapted to have its open end engaged and the opening therein closed by said main piston, thereby preventing the exhaust of fluid from the upper end of said main cylinder, for effecting a compression of fluid remaining in the said upper end of said main cylinder, when said main piston approaches the said upper end of said main cylinder beyond a predetermined point in



its travel within said main cylinder, the fluid from the upper end of said main cylinder normally exhausting through the opening and duct in the plunger to the said fluid passage when the fluid controlling means is operated to permit the exhaust of fluid from said fluid passage; said plunger being operated out of the path of travel of said main piston when said fluid controlling means is operated to admit fluid to said fluid passage and through said duct and said plunger opening into the upper end of said main cylinder, said operation of said plunger being effected by the force of the fluid exerted between the main piston and the plunger.

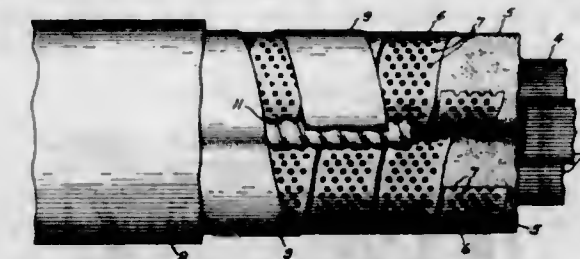
1,740,342. RECOVERY OF SULPHUROUS ACID FROM WASTE GASES. CHRISTIAN HANSEN, Wiesdorf-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Filed May 6, 1927. Serial No. 189,448, and in Germany Oct. 8, 1925. 7 Claims. (Cl. 23-178.)

1. A process for the recovery of sulphur dioxide from SO₂-containing gas, which comprises passing said gas through an absorber counter-currentwise to a solution containing ammonium sulfite and ammonium bisulfite in such proportions and concentrations as to have substantially no partial pressure with respect to either ammonia or sulphur dioxide, separating from the liquor containing the absorbed sulphur dioxide discharged from the absorber a portion corresponding to the sulphur dioxide absorbed therein, and recirculating the remainder of the liquor through the absorber, and maintaining said proportions and concentrations of ammonium sulfite and ammonium bisulfite by adding quantities of ammonia corresponding to the sulphur dioxide absorbed.

1,740,343. THREE-CONDUCTOR CABLE. WILLIAM C. HAYMAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 25, 1928. Serial No. 302,091. 5 Claims. (Cl. 173-260.)

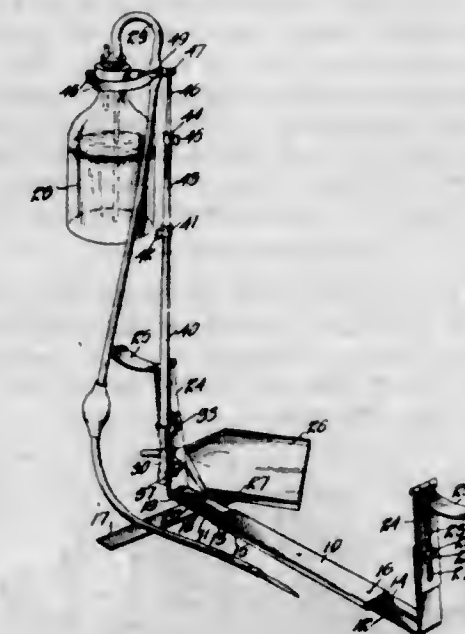
1. In an electric cable, the combination of a number of insulated conductors arranged about a common center,

an enclosing sheath, there being spaces between each pair of conductors and the inner wall of the sheath, and flexible metal tubes, each comprising a spirally wound strip of metal having overlapping edges to prevent crushing,



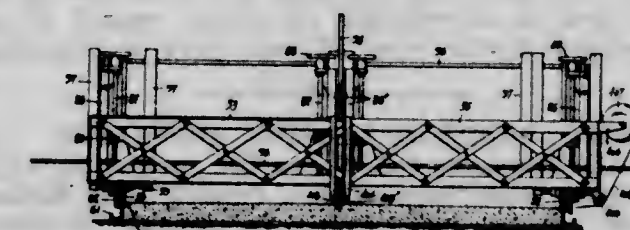
located in said spaces which supply fluid insulation to the spaces and to the insulation on the conductors and which also cooperate with the conductors to support the sheath.

1,740,344. ARM AND BOTTLE HOLDER. JULIUS A. HEINZ, deceased, Pesotum, Ill., by Kathryn Kerwin Heinz, Pesotum, Ill., and Fred B. Hamill, Champaign, Ill., executors, assignors to Heinz Floral Rack Co., Chicago, Ill., a Corporation. Filed Dec. 29, 1927. Serial No. 243,422. 10 Claims. (Cl. 27-23.)



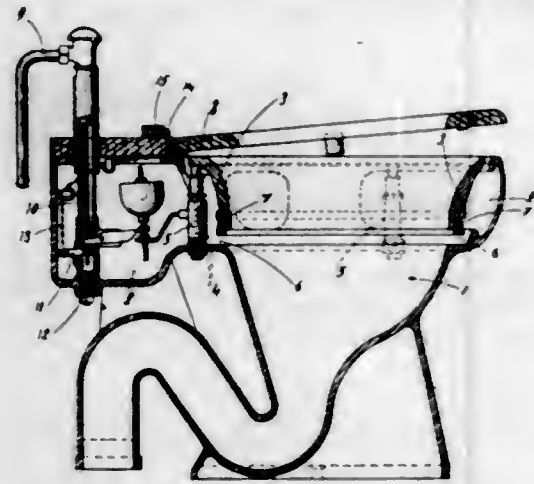
1. An arm and bottle holder comprising a base, a detachable cross member connected to said base for preventing overturning of the base, means for holding the same in fixed transverse position relative to the base, adjustable arm supporting members carried by said base, and a bottle supporting bracket mounted on said base, substantially as set forth.

1,740,345. TRAFFIC-LINE AND JOINT MACHINE AND METHOD OF PRODUCING SAME. JOHN N. HELTZEL, Warren, Ohio. Filed Feb. 4, 1925. Serial No. 6,806. 40 Claims. (Cl. 94-39.)



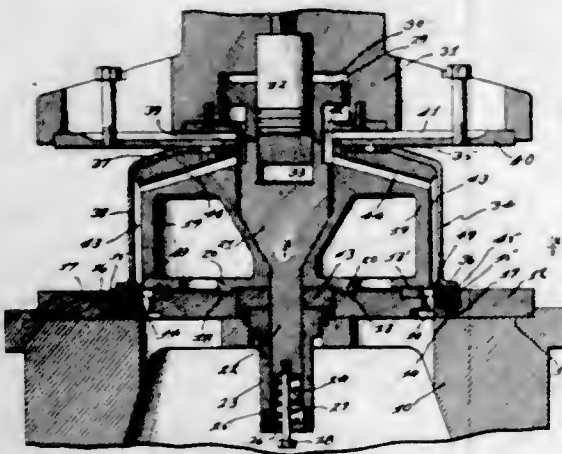
35. Apparatus of the character described comprising means adapted to work in plastic material for deflecting the coarser aggregate from the line of a joint, and a blade operable in rear of said means to work in the material in said line.

1,740,346. ARRANGEMENT IN WATER-CLOSETS. JOHN WALDEMAR HENREKSON, Stockholm, Sweden. Filed Mar. 8, 1928, Serial No. 260,076, and in Sweden Mar. 24, 1927. 3 Claims. (Cl. 4-13.)



1. In an automatic flushing water closet, having a hinged seat, a bowl, a flushing chamber directly in communication therewith, means for supplying water to said chamber, a valve for controlling the flow of water from the supply means, means actuated by the movement of the seat to lowered position to positively effect opening of the valve, other means actuated by the movement of the seat to raised position to also positively effect opening of the valve, both of said means being inactive in an intermediate position of the seat, and means yieldably supporting the seat in the said intermediate position.

1,740,347. METHOD OF HARDENING ARTICLES. WALTER G. HILDORF, Lansing, Mich., assignor to Reo Motor Car Company, Lansing, Mich., a Corporation of Michigan. Filed Dec. 5, 1927. Serial No. 237,972. 3 Claims. (Cl. 266-6.)

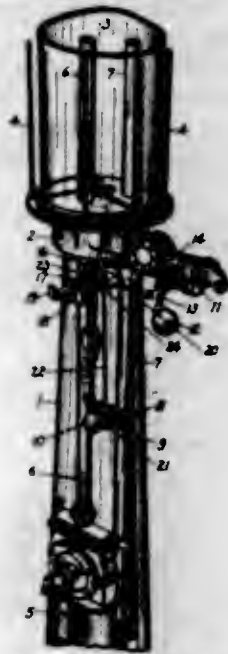


1. The method of quenching a brake drum which consists in initially directing a quenching fluid into contact with one face of the heated drum while preventing contact of the quenching fluid with the other face of the drum, and in subsequently permitting contact of the quenching fluid with the second mentioned face of the drum.

1,740,348. LIQUID-DISPENSING APPARATUS. ARNOLD P. HITZEMAN, Fort Wayne, Ind., assignor to Wayne Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Apr. 23, 1928. Serial No. 272,144. 3 Claims. (Cl. 221-110.)

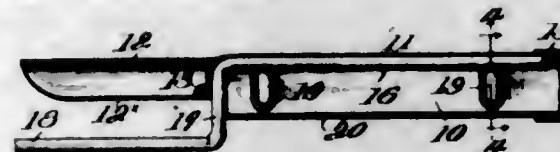
1. In a liquid dispensing apparatus having an elevated container for the liquid to be dispensed, a conduit for completely draining said container back to storage, a normally closed valve controlling the flow of liquid through said conduit and a normally closed serve valve through

which liquid is drawn; combined lever actuated means for opening said drain valve when said serve valve is



closed, for preventing the opening of the drain valve when the serve valve is open and for preventing the opening of the serve valve when the drain valve is open.

1,740,349. RAZOR STROPPER. ROBERT H. INGERSOLL, New York, N. Y.; Charles S. Smith, Lansing, Mich., and Frederic C. Leubuscher, Essex Falls, N. J., executors of said Robert H. Ingersoll, deceased, assignors to Robt. H. Ingersoll, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 24, 1926. Serial No. 131,231. 1 Claim. (Cl. 51-218.)



In a razor blade holder for stropping, a hollow handle member, blade holding members formed integrally with said handle and in extension of the same, said members being cut away at their junction with the handle to form guide notches having stops at their ends, a guard having a journal portion within the handle and issuing through said notches and held by the walls thereof against longitudinal displacement and a guard portion integral therewith extending in parallelism with the edge of a blade located in said blade holding members, said guard being limited in its rocking movement about the axis of said journal portion by the engagement of said journal portion with said stops, and means rigid with said handle member to hold said journal portion in rocking relation therein.

1,740,350. DOOR-OPERATING DEVICE. FRANK E. INGRAHAM, Wellington, Ohio. Filed Mar. 10, 1928. Serial No. 260,631. 2 Claims. (Cl. 268-63.)



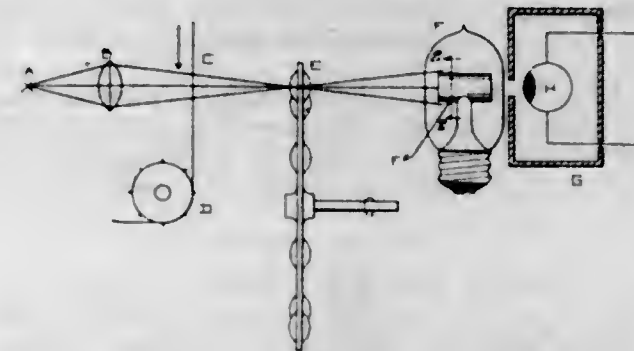
1. A door operating device comprising a plate member supporting a motor adapted for driving a rotatably

mounted threaded shaft, angle plates carried by the plate member being adapted to define a channeled raceway, a shoe slidably mounted within the raceway being provided with an upstanding tongue adapted for connection with the doors, bracket members slidably mounted upon the plate member and angle plates being disposed in the path of movement of the tongue, and a rod member carried by and operable in conjunction with the bracket members and tongue being adapted to reverse the motor.

1,740,351. DEHYDRATING SUBSTANCE. HAJIME ISOMA, Ochiai-Machi, Toyotama-Gori, Japan, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Filed July 25, 1924, Serial No. 728,257, and in Japan Feb. 1, 1924. 3 Claims. (Cl. 252-2.)

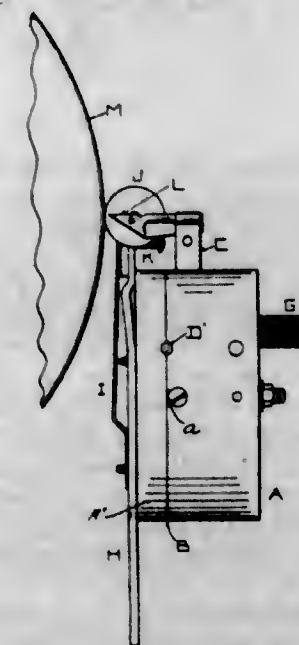
1. An adsorbent for water vapors comprising an inorganic colloidal adsorbent material containing 10 to 20 percent of calcium chloride.

1,740,352. LIGHT-VALVE TRANSMITTER. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation of the District of Columbia. Filed June 25, 1927. Serial No. 201,400. 9 Claims. (Cl. 178-6.)



1. In combination, picture-image producing means, a light-sensitive cell upon which the light of said picture-image may fall, and a gaseous discharge light-valve located between said image producing means and said light-sensitive cell and operable at radio frequencies with minute currents generally available in radio work.

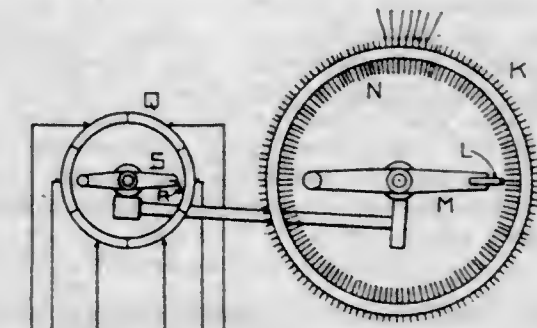
1,740,353. WEATHER-MAP PEN BOX. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation of the District of Columbia. Filed Oct. 31, 1927. Serial No. 230,070. 3 Claims. (Cl. 234-1.5.)



2. In a device of the class described, the combination of a moving surface to be marked, a box having an open

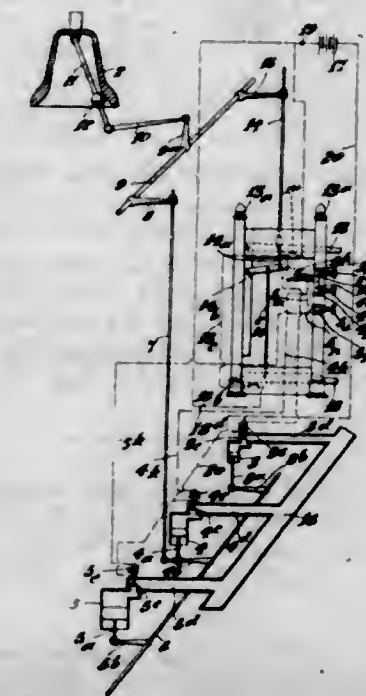
ing therein, a marking stylus arm pivotally mounted in said box and projecting at one end through said opening, electromagnetic means for operating said arm, and a resilient member connected with the box and having a rolling bearing against the moving surface and holding the stylus point closely adjacent to and normally spaced from, the said moving surface.

1,740,354. SPLIT SWITCHING GEAR. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation of the District of Columbia. Filed Sept. 6, 1928. Serial No. 304,354. 3 Claims. (Cl. 178-5.)



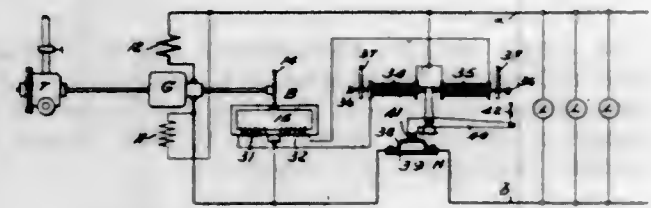
1. In combination a bank of current translating devices arranged in coordinate rows, and means for connecting each device successively in circuit comprising a group commutator having a group contact for each row of said devices, another commutator having a contact for each of said devices, the contacts in said other commutator being arranged in tiers, a movable brush for each of said tiers, and means for connecting said brushes to the contacts of the first commutator.

1,740,355. CARILLON MECHANISM. CYRIL FREDERICK JOHNSTON, Croydon, England. Filed Nov. 7, 1927. Serial No. 231,750, and in Great Britain Dec. 23, 1926. 9 Claims. (Cl. 84-407.)



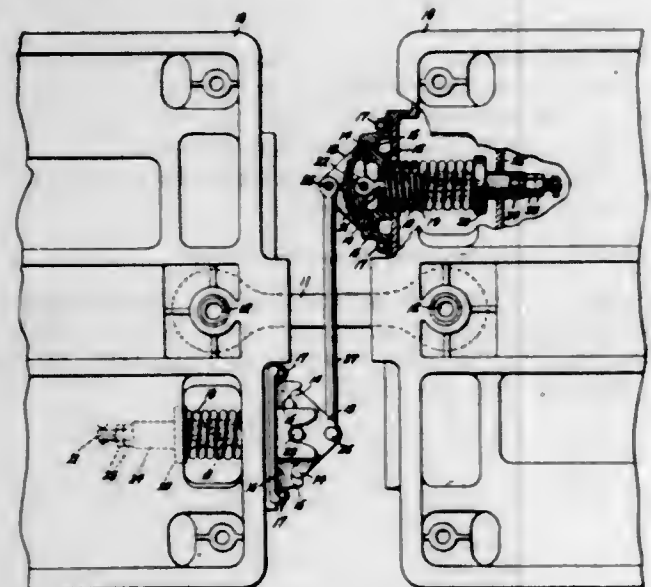
1. Carillon mechanism comprising manually operated means for striking a bell, fluid motor operated means for striking the same bell, and means whereby the fluid motor operated means can be made to supplement the manual means when desired.

1,740,356. ELECTRICAL POWER SYSTEM. JOHN J. KANE, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Apr. 19, 1921. Serial No. 462,520. Divided and this application filed June 2, 1928. Serial No. 282,414. 17 Claims. (Cl. 171-312.)



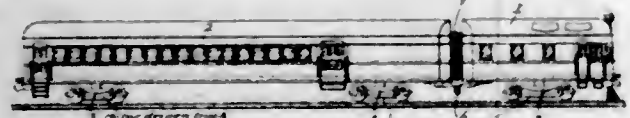
1. In combination, a generator, means for driving said generator, and an electromagnetic brake associated with said generator and comprising a disk of conductive material, and means for producing an effective magnetic field for said disk that varies inversely as the load on said generator, said means comprising differentially arranged energizing windings on said brake, the circuits of the several windings having substantially different temperature coefficients.

1,740,357. RESTRAINING DEVICE. OLE K. KJOLSETH, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 24, 1928. Serial No. 294,991. 5 Claims. (Cl. 105-175.)



1. In combination with two adjacent frame structures of locomotives or cars, means for connecting said frame structures together so as to permit lateral relative movement between them, and means for applying a substantially constant force urging said frame structures into longitudinal alignment when they are displaced therefrom, said means comprising a rocker and spring attached to each of said frame structures and a link connecting said rockers.

1,740,358. ARTICULATED CAR. ELMER LATSHAW, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1928. Serial No. 310,330. 6 Claims. (Cl. 105-4.)



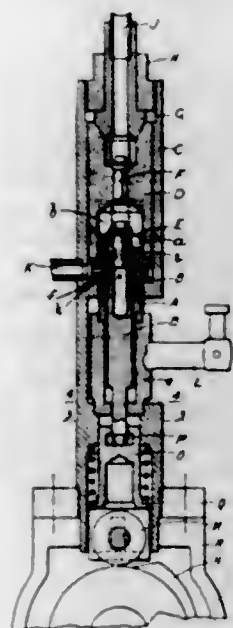
3. In an articulated car, a short section supported on a single pivotal truck with one end of the short section attached directly to a car of substantial standard length.

1,740,359. RAIL CLAMP AND BRACE. WILLIAM LEAK, Carthage, Mo., assignor of one-fourth to William V. Hatten, one-eighth to James M. Endsley, and one-eighth to John E. Zinn, Carthage, Mo. Filed Nov. 22, 1927. Serial No. 235,077. 1 Claim. (Cl. 238-263.)



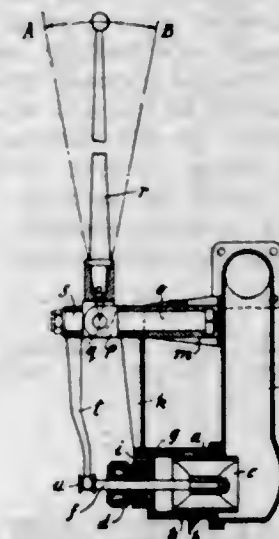
In combination with the meeting ends of adjacent rail sections, bars located within the fishing spaces upon the opposite sides of the rails across said meeting ends, and connecting said ends, clamping plates secured upon opposite sides of the rails in contact with the outer side faces of the bars and extending downwardly and inwardly beneath the base of the rail, bolts extending through the web of the rail and the bars and clamping plates, and bolts extending through the downwardly and inwardly extending portions beneath the rail and connecting the clamping plates.

1,740,360. FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. PROSPER L'ORANGE, Mannheim, Germany. Filed Sept. 21, 1927. Serial No. 220,986, and in Germany Sept. 22, 1926. 2 Claims. (Cl. 123-139.)



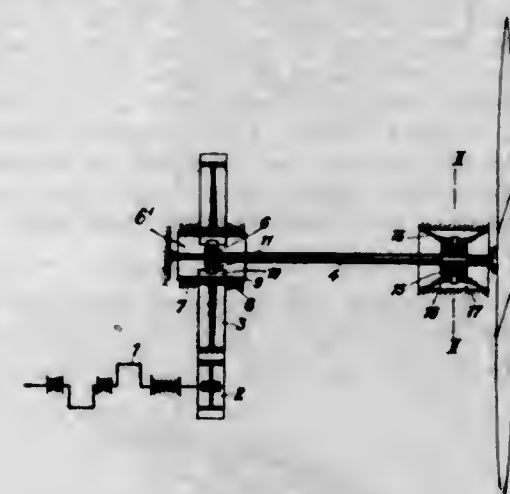
1. A fuel pump for internal-combustion engines of the Diesel-type, comprising a cylinder, having a compression space and an outlet passage leading from said space, a delivery valve in said passage, a reciprocating piston arranged in the cylinder coaxially with said valve and formed with an axial bore which communicates with the compression space, a suction valve seated in the orifice of the piston bore so as to close the communication normally, an inlet pipe communicating permanently with the piston bore, a guide sleeve for the piston arranged in the cylinder and formed with a helically cut end which confines the compression space in the neighbourhood of the piston, the piston being provided with a lateral aperture arranged so as to be normally closed by the guide sleeve and uncovered by the helical end of the latter at the end of the compression stroke so as to relieve the pressure through the piston bore and inlet pipe, and means for adjusting the piston about its axis so as to vary the angular position of the lateral aperture relative to the helical end of the guide sleeve.

1,740,361. SPRAY-CONTROLLING DEVICE FOR ROAD-SCAVENGERING MACHINES. PROSPER L'ORANGE, Stuttgart, Germany. Filed July 9, 1928. Serial No. 291,282, and in Germany June 15, 1927. 3 Claims. (Cl. 299-108.)



1. In a street scavenging machine, the combination with a spray-producer, and with means in said spray-producer for regulating the extent of the spray transversely as well as longitudinally of the machine, of a hand-lever capable of universal movement about a fulcrum, and connection between said lever and the spray-regulating means for controlling the latter.

1,740,362. PROPELLER-SHAFT SUPPORT. OTTO MADER, Dessau, Germany, assignor to Hugo Junkers, Dessau, Germany. Filed June 30, 1928. Serial No. 289,528, and in Germany July 18, 1927. 7 Claims. (Cl. 244-25.)

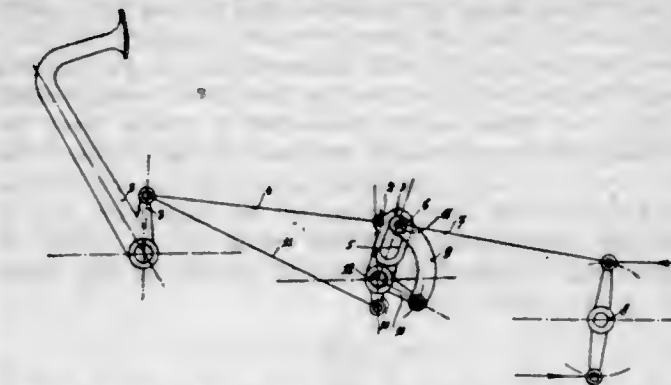


1. Propeller shaft support comprising a shaft, a propeller at one end, a universal coupling at the other end of said shaft, driving means connected with said shaft by said universal coupling and resilient means supporting the propeller end of said shaft for yielding radial motion in all directions.

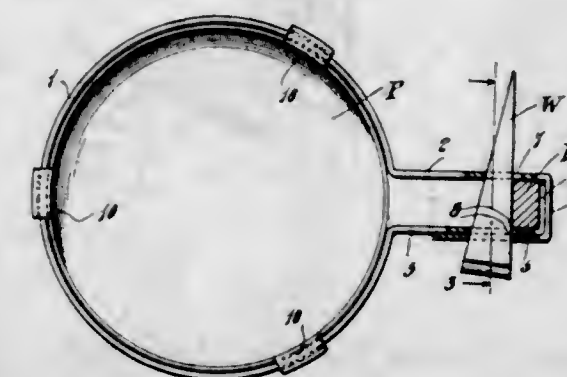
1,740,363. BRAKE-OPERATING DEVICE. ARMAND MARTZLOFF, Versailles, France, assignor to Société Anonyme des Automobiles "Unic" Puteaux, Seine, France, a Company of France. Filed June 11, 1928. Serial No. 284,562, and in France Nov. 30, 1927. 6 Claims. (Cl. 74-81.)

3. A brake operating device of the type described comprising a brake control pedal, a brake operating arm, a shaft, a bell-crank on said shaft, a second lever on said shaft, a rod connecting one of the arms of said bell-crank to said brake pedal, a rod connecting said second lever

to said brake pedal, an elongated slot formed in said second lever, an arcuate link pivoted to the other arm of said bell-crank, means carried by said link slidably engaging in said slot and a rod for connecting said link to said brake operating arm whereby a constant force applied to said brake pedal is progressively multiplied.



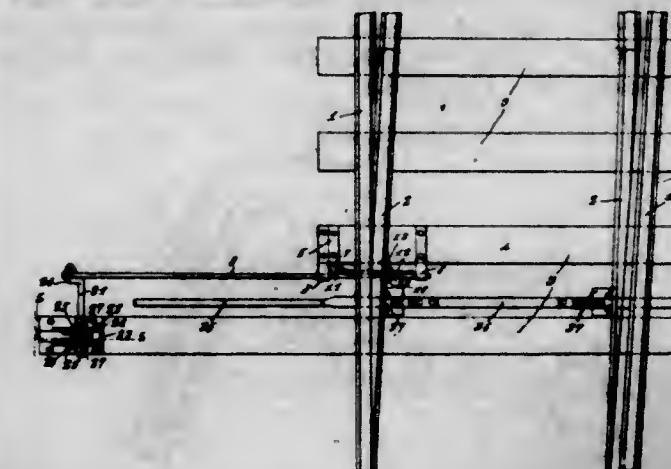
1,740,364. PLANT SUPPORT. JOSEPH DAL MASO, Washington, D. C. Filed July 17, 1928. Serial No. 293,330. 3 Claims. (Cl. 47-39.)



1. A support for potted plants comprising a split annular member, the extremities of said member being continued by outstanding and normally substantially parallel arms, one of said arms being provided with a laterally disposed arm continued by an inwardly directed arm, said inwardly directed arm overlying the second of the first named arms, and a wedge member insertible through said overlying arms and the first named arms.

2. A support for potted plants comprising an annular member, attaching means carried thereby, a pan adapted to be supported below the annular member, upstanding arms carried by the pan and terminating in downwardly facing hook members, said hook members being engageable from above with the annular member.

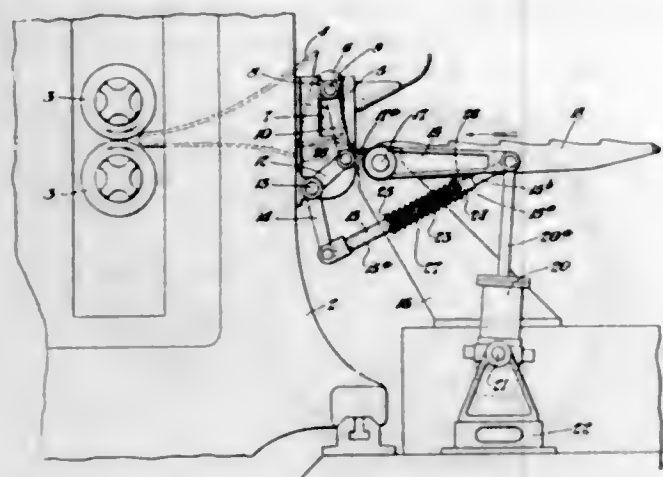
1,740,365. SWITCH-POINT-LOCKING DEVICE. EMIL W. MAYES, OWEN, and WALTER B. MEWS, Marshfield, Wis. Filed July 25, 1928. Serial No. 295,201. 2 Claims. (Cl. 246-448.)



1. In combination with a railway switch, means for locking the switch point to the main rail, comprising a

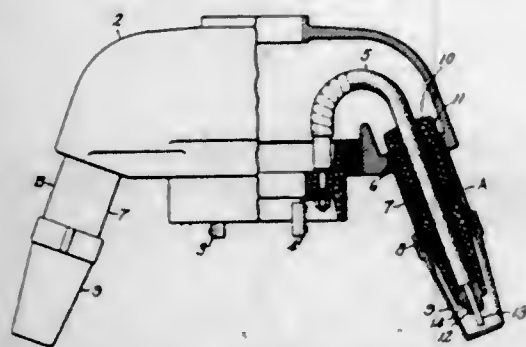
plate having an offset end which is pivotally supported, and which has its top edge notched, one of the end walls provided by the notch having a hooked extension to overlie the outer base flange of the main rail, a slide bar, guides therefor, said slide bar being arranged against the plate and having an angle notch therethrough, a pin passing through the plate and received in the notch, a crank shaft to which the slide bar is connected, a throw lever for the crank shaft and means for locking the throw lever when swung to move the slide bar to swing the locking plate to bring the base flanges of the rails into and in contacting engagement with the walls of the notch, or when swung to lower the plate to permit of the movement of the switch rail.

1,740,366. FEED-ROLLER MECHANISM. CARL E. MOORE, Gary, Ind., assignor to American Sheet and Tin Plate Company, a Corporation of New Jersey. Filed Nov. 16, 1928. Serial No. 319,883. 4 Claims. (Cl. 80-43.)



4. The combination with a rolling mill for rolling strips, of supplemental housings secured to the entering side of the mill, vertically disposed windows in said supplemental housings, bearings slidably mounted in said windows, a hold-down roller journaled in said bearings, a pair of links at each end of said roller, the links of each of said pairs of links being pivotally connected together, a shaft journaled in said supplemental housings, the lower link of each of said pairs of links being fixedly mounted on said shaft, the upper link of each of said pairs of links being pivotally connected to said roller, a looping table section pivotally mounted adjacent the entering side of said mill for vertical swinging movement and power means adapted to simultaneously swing said looping table and rock said shaft so as to cause a vertical movement of said hold-down roller.

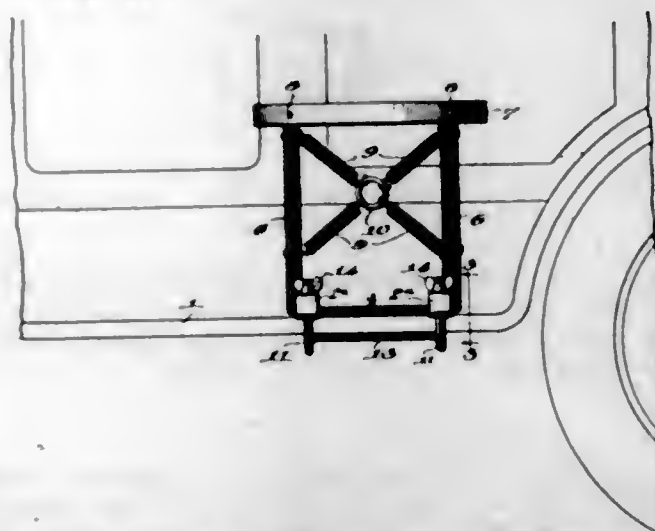
1,740,367. TERMINAL CONNECTION FOR ELECTRIC APPARATUS. EDWARD G. NEWTON, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 28, 1927. Serial No. 243,115. 1 Claim. (Cl. 173-353.)



In combination, a terminal container for an electrical device, an opening in said container, a cable connected

to said device in the container, said cable extending through said opening, a terminal for said cable, said terminal comprising a tube secured to said container about said opening, a hollow bushing extending through said tube, said bushing being secured to said tube, a threaded element in threaded engagement with the end of the hollow bushing, said threaded element being perforated, said cable extending through said bushing and through said perforation in the threaded element whereby an extension cable may be spliced to the said cable, and whereby a sleeve may be spliced to said tube over said bushing and the terminal thereby covered without disturbing the assembly, and means for securing said first mentioned cable to said threaded element, thereby locking the cable terminal and the cable together.

1,740,368. CARRIER. EARL F. NUSSER, Shreveport, La. Filed May 26, 1927. Serial No. 194,394. 9 Claims. (Cl. 224-29.)



6. In a device of the character described, a frame comprising spaced rigidly connected base bars, risers rigidly connected thereto and upstanding vertically therefrom and arranged to define spaced points in the circumference of a circle with resilient outwardly expandable linkage spanning said risers below their upper ends and forming article-gripping side walls engageable and expandable by articles of rounded contour, said expandable linkage normally embracing an area less than that of the circumference defined by said risers and a circular band spanning and connected to said risers at their upper ends.

1,740,369. METHOD OF MAKING FINGER RINGS. HENRY W. PETERS, Boston, Mass. Filed Sept. 12, 1928. Serial No. 305,562. 2 Claims. (Cl. 29-160.6.)

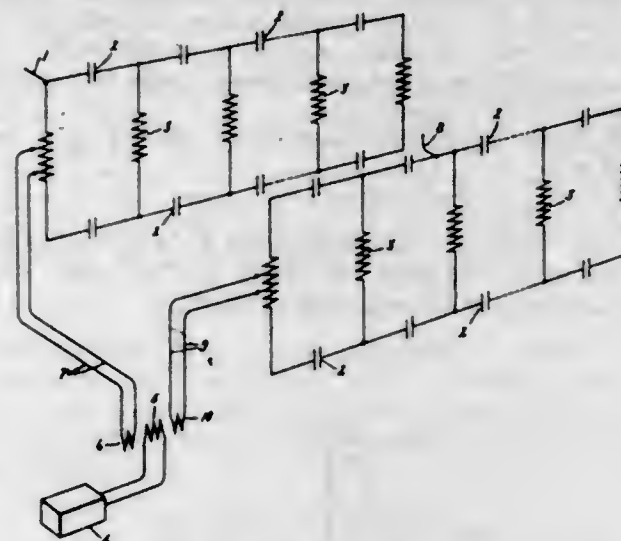


1. The herein described method of making a finger ring which consists in producing, by a single stamping operation, a setting base having opposed concave edges and oppositely extending shanks, then producing by a second stamping operation a setting having wings, then shaping the shanks and base to form a ring and to straighten the concave edges of the base, then bending the wings of the setting to form a box, and finally joining the wings to the edges of the base.

1,740,370. DIRECTIVE RADIO TRANSMITTING SYSTEM. CHESTER W. RICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 25, 1924. Serial No. 752,237. 9 Claims. (Cl. 250-11.)

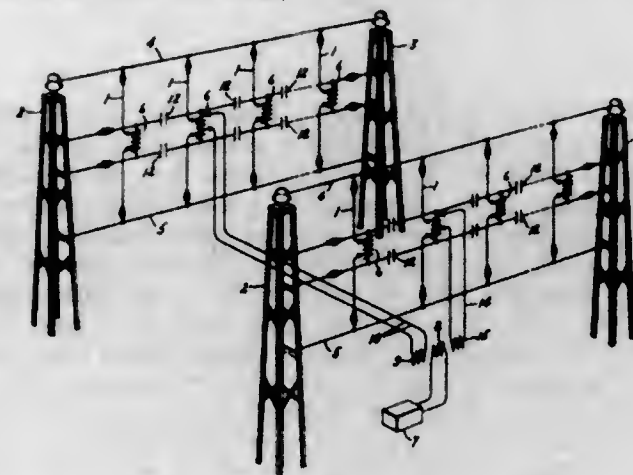
1. A radiating loop system having the series inductance of each horizontal side neutralized by a plurality of series

condensers distributed along its length and the shunt capacity between the two horizontal sides neutralized by shunt inductances connected at a plurality of points along



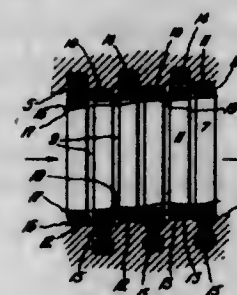
its length, said system having such an arrangement and distribution of impedances that a standing wave of current is built up therein.

1,740,371. DIRECTIVE RADIO TRANSMITTING SYSTEM. CHESTER W. RICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 25, 1924. Serial No. 752,238. 18 Claims. (Cl. 250-11.)



9. A directive radiating antenna system comprising a plurality of vertical conductors arranged in a row extending at right angles to the desired direction of radiation, and means for supplying substantially in phase currents to all of said vertical conductors, each of said vertical conductors having both of its ends electrically free in space.

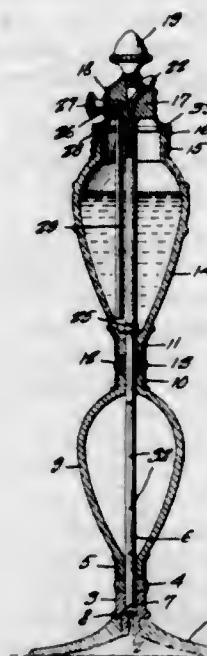
1,740,372. ELASTIC-FLUID TURBINE. OTTO ROSENLECHER, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Apr. 17, 1928. Serial No. 270,762, and in Germany May 2, 1927. 3 Claims. (Cl. 253-77.)



1. The combination with an elastic-fluid turbine having alternate rows of fluid directing and movable blades, which

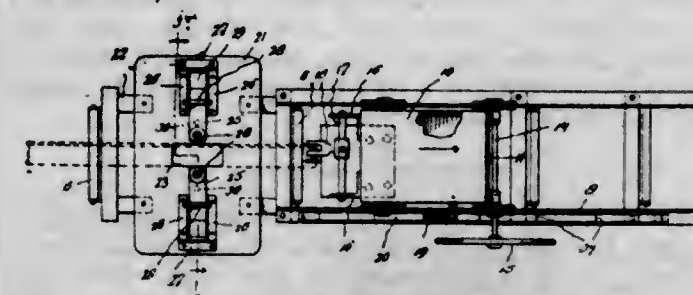
cooperate to provide an elastic fluid working passage, said blades each having a base portion by which it is mounted and a free end about which leakage elastic fluid flows, of means for preventing said leakage elastic fluid from entering the working passage, said means comprising passages extending in the direction of fluid flow through the base portions of said blades and connecting the leakage spaces on opposite sides thereof, whereby said spaces and passages form a fluid conduit extending along the working passage.

1,740,373. ATOMIZER. ARTHUR J. SHANKS, Haverhill, Mass. Filed Oct. 19, 1928. Serial No. 313,518. 3 Claims. (Cl. 299-88.)



2. An atomizer of the character described comprising a base, an air tube, means supported by said base and receiving the lower end of the air tube which is provided with diametrically oppositely disposed notches, a check valve carried by said means and controlling the lower end of said air tube, a bulb surrounding a portion of said air tube that is provided with openings, a container surrounding the air tube, means of connection between the bulb and container, a head for said container and being removably associated therewith, a solid portion formed in said head and being provided with a vertical bore communicating with an inclined bore, and a horizontal bore, a nozzle threadedly secured in the inclined bore, means of communication between the nozzle and air tube, a liquid tube secured to and depending from the solid portion, said liquid tube being in communication with the horizontal bore and having its lower end terminating adjacent the lower end of the container, said solid portion being provided with a vent opening communicating with the container, and means threadedly received in the horizontal bore for controlling the vent opening and communication between the liquid tube and the nozzle.

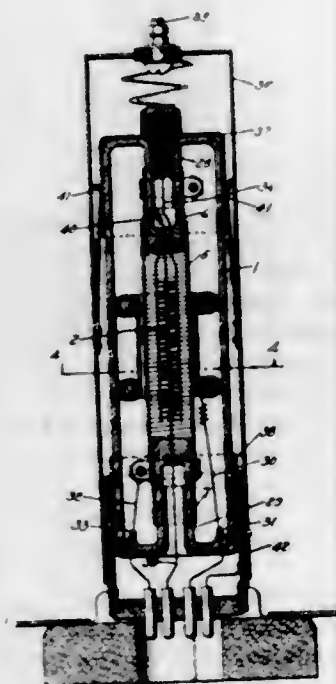
1,740,374. PUNCH-GAUGING APPARATUS. WILLIAM SHEEHAN, Rochester, Ind., assignor of one-half to The Rochester Bridge Company, Rochester, Ind. Filed Nov. 5, 1926. Serial No. 146,475. 1 Claim. (Cl. 164-116.)



In a device of the class described comprising a spacing table mounted in a predetermined association with a punch-

ing mechanism and having an opening formed therein directly beneath the punch, a material handling carriage mounted for linear travel with respect to said spacing table and punching mechanism and adapted to move the work across the table over said opening, and a gauge structure comprising a pair of gauge plate holders fixedly mounted on the table at opposite sides of the opening, each including a pair of spaced parallel guide members having aligned openings therein, and an end member arranged at the outer end thereof, a gauge member removably positioned on the table between said guide members and adapted for transverse adjustment on the table, retaining pins having their opposite ends supported in the openings of the parallel guide members for slidably retaining the gauge members on the table therebetween, and gauge plates of predetermined areas interchangeably positioned between the outer edge of each of the gauge members and the end members and adapted by reason of the area of the gauge plate to determine the position of the inner edge of its associated gauge member and guide rollers mounted at the inner edges of said gauge members.

1,740,375. ELECTRON-DISCHARGE DEVICE. DEWEY T. SIMONDS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 20, 1925. Serial No. 44,654. 8 Claims. (Cl. 250-27.5.)



1. The combination in an electron discharge device of an evacuated receptacle of insulating material which encloses an electron emitting cathode, an anode, a control grid and a screening grid interposed between the anode and control grid, said screening grid having the form of a cylinder having its ends completely closed by members of insulating material, current supply conductors for the cathode and control grid which are sealed into said members of insulating material, a four contact base connected to one end of said receptacle, connections between the contacts on said base and supply conductors for the cathode, anode and screening grid, and means at the opposite end of said receptacle for establishing a circuit connection to the supply conductor for the control grid.

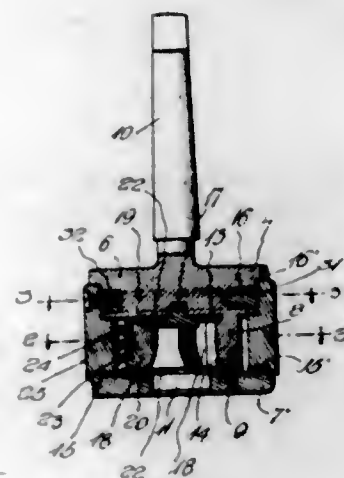
1,740,376. FROSTING GLASS ARTICLES. ROWLAND D. SMITH, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed May 19, 1928. Serial No. 279,202. 10 Claims. (Cl. 41-42.)

5. The method of preparing a frosting solution which consists in fusing sodium fluoride and soda ash separately,

grinding these separately to the desired degree of fineness, then mixing the soda ash with ammonium carbonate and part of the water, hydrofluoric acid and ammonium bifluoride to form one part of the batch, mixing the sodium fluoride with the balance of the water, hydrofluoric acid and ammonium bifluoride, to form a second part of the batch, and blending equal quantities of these two portions to form the frosting solution.

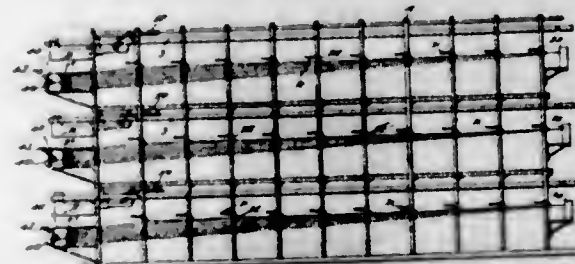
8. A batch for a frosting solution containing a fused sodium salt.

1,740,377. CHUCK. WILLIAM JOHN SNYDER and EDWARD C. AHLHEIM, Franklin, Pa. Filed May 25, 1928. Serial No. 280,500. 2 Claims. (Cl. 279-71.)



1. In a chuck, a head having two axially aligned disks disposed in parallel planes, and a circular wall concentric with said disks and extending between them in inwardly spaced relation with the peripheral edges thereof, said wall being formed with internal grooves near said disks and having radial slots from its inner to its outer side and extending from one disk to the other; a ring surrounding and outwardly spaced from said wall and rotatably mounted between the peripheral portions of said disks, the inner side of said ring having cams, work-gripping jaws slidable in said slots and disposed in abutting relation with said disks, the outer ends of said jaws being co-operable with said cams, and the inner ends of said jaws being formed with notches registering with the aforesaid grooves; and self-expandable rings to said notches and grooves for outwardly sliding said jaws.

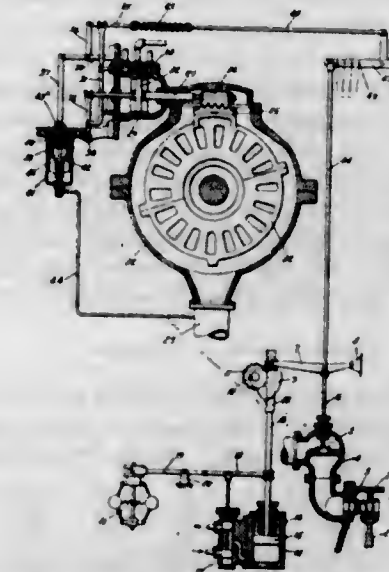
1,740,378. PARCEL-ASSORTING DEVICE. JOHN R. SOUSA, Washington, D. C., assignor to Automatic Assorting Machine Company, Washington, D. C., a Corporation of Delaware. Filed Dec. 9, 1927. Serial No. 238,979. 6 Claims. (Cl. 214-11.)



1. A distributing machine comprising a plurality of receiving compartments, a carriage for conveying articles

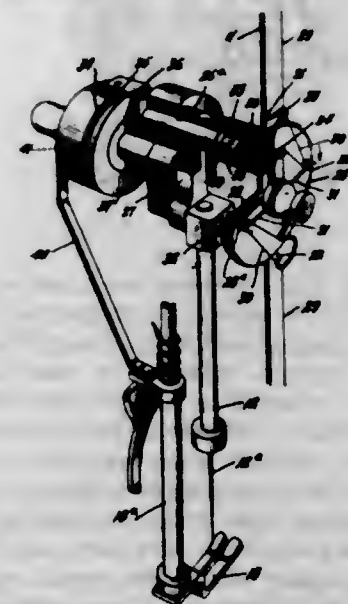
thereto, means for conveying the articles from the carriage to the compartments, manually operated means for moving any desired conveying means into active position including mechanical connections between the operating means and the conveying means, a motor for driving the carriage, circuits for the same and means operated by the manually operated means including mechanical connections between the conveying means and such means for causing the motor to drive the carriage forwardly to the compartment, the conveying means of which has been moved into active position and for reversing the circuit after the carriage has passed the compartment to cause the carriage to return to its starting point.

1,740,379. ELASTIC-FLUID TURBINE. REGINALD G. STANDERWICK, Marblehead, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 5, 1927. Serial No. 224,245. 6 Claims. (Cl. 60-43.)



1. The combination with an elastic fluid turbine having a valve gear for controlling the supply of elastic fluid to the turbine and a valve gear for controlling the elastic fluid at an intermediate point in the turbine, said second named valve gear comprising governing means for positioning it in accordance with an operating condition appertenant to the turbine, of means for modifying the setting of said governing means in accordance with the position of said first-named valve gear.

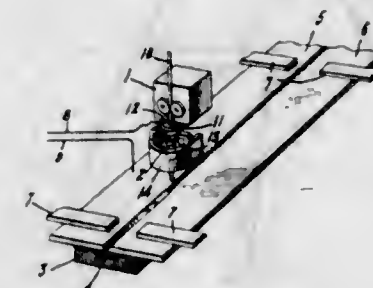
1,740,380. SEWING MACHINE. HUGH M. STEPHENSON, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed July 13, 1927. Serial No. 205,470. 11 Claims. (Cl. 112-248.)



1. In a sewing machine take-up, means for guiding a thread, a rotatable element, means for connecting the

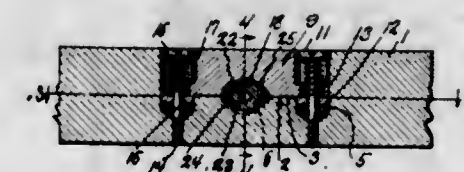
thread to said rotatable element when the latter is in one position to form a thread loop, means for disconnecting the thread loop from said rotatable element when the latter is in another position, and means movable in a direction opposite to the movement of said rotatable element for guiding the released thread loop.

1,740,381. ELECTRIC-ARC WELDING. JAMES M. WEED, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 4, 1925. Serial No. 27,628. 3 Claims. (Cl. 219-8.)



1. In an arc welding apparatus the combination of a welding head comprising means for holding an electrode, a yoke of magnetic material mounted upon said welding head and angularly adjustable with respect thereto, arranged partially to surround the electrode, and a stationary backing member comprising a magnetic base provided with an inlay of material possessing high heat conductivity along the line of relative movement between said welding head and said member whereby inequalities in the magnetic field surrounding said arc may be corrected.

1,740,382. PRINTER'S QUOIN CHASE. CHARLES F. WELDON, Lake Geneva, Wis. Filed Oct. 31, 1927. Serial No. 229,992. 1 Claim. (Cl. 101-394.)

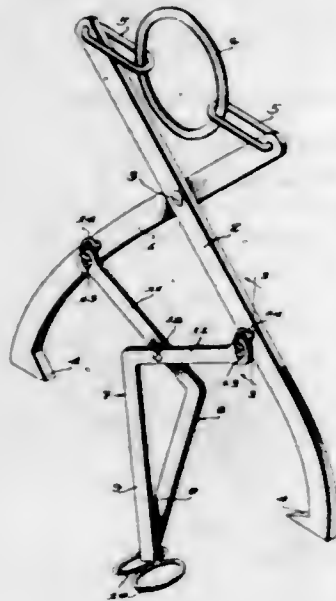


A printing-press chase and quoin assemblage comprising a chase frame having a recess in the inner face of one of its sides and provided with recesses in the opposite end walls of the first mentioned recess and likewise provided with threaded openings communicating with the inner ends of the second mentioned recesses, a quoin adjustably disposed in the first mentioned recess and having apertured portions projecting into and guided by the second mentioned recesses, screws threaded into said openings and having heads closing the outer ends of the second mentioned recesses, springs upon the screws bearing between the heads thereof and the apertured portions of the quoin, the screws extending through said apertured portions and adapted to permit the adjustment of said springs, and means coacting with the inner side of the quoin and the inner wall of the first mentioned recess and adjustable to effect adjustment of the quoin against the tension of said springs.

1,740,383. GRAPPLE FOR HANDLING HOT CASTINGS. ISAAC L. WESSEL, Muskegon, Mich.; William A. Wessel administrator of said Isaac L. Wessel, deceased. Filed June 13, 1928. Serial No. 285,189. 5 Claims. (Cl. 294-93.)

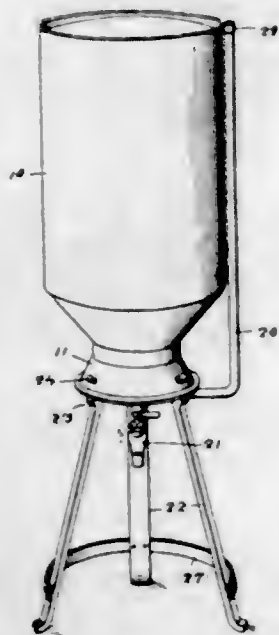
1. A grapple comprising, pivotally connected levers providing gripping jaws at their lower ends, and a pair of

pivotally inter-connected jaw-expanding arms linked at their inner ends to the respective levers of the grapple to



extend laterally outward therefrom and having handled outer ends brought into abutting relation by movement of said arms to expand the gripping jaws of the grapple.

1,740,384. MILK-CAN COVER AND SUPPORT. NEWT. E. WRIGHT, Coalgood, Ky. Filed June 22, 1928. Serial No. 287,509. 2 Claims. (Cl. 225-22.)

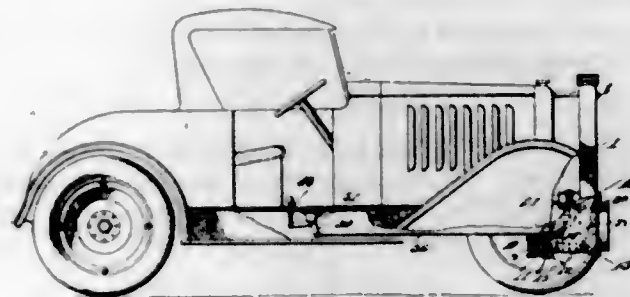


1. A dispensing apparatus for use in conjunction with milk cans comprising a cap adapted for connection with the can filling neck, a funnel member carried by the cap, a discharge member having connection with the funnel, supporting legs carried by the cap to support the can in an inverted position, a packing for the cap frictionally engaging the can filling neck, and means carried upon the outside of the cap and projecting therein to break the vacuum within the can to facilitate discharge of the contents thereof.

1,740,385. JACKING AND TRAVERSING ATTACHMENT FOR MOTOR VEHICLES. AUGUST W. ALTHOFF, Tulsa, Okla. Filed June 1, 1928. Serial No. 282,248. 9 Claims. (Cl. 180-1.)

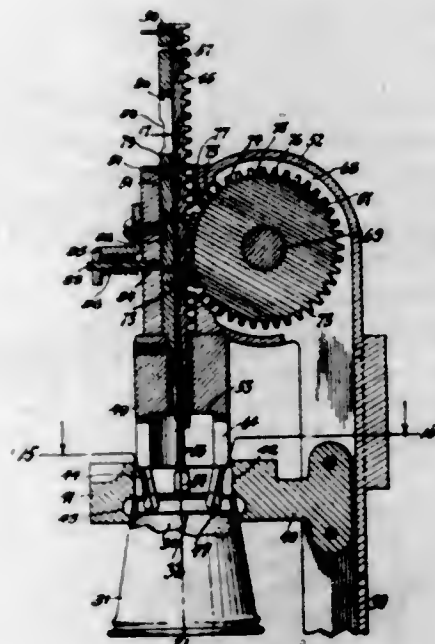
1. A jacking and traversing mechanism for motor vehicles comprising a single tubular casing mounted at and

extending vertically of one end of the vehicle and composed of fixed and relatively movable telescoping tubular sections, a fifth wheel supported from the lower end of the movable section of the casing for bodily vertical movement therewith toward and from the ground and for rotation about an axis extending longitudinally of the vehicle, motion transmitting gearing housed within said casing sections operable bodily to lower said movable



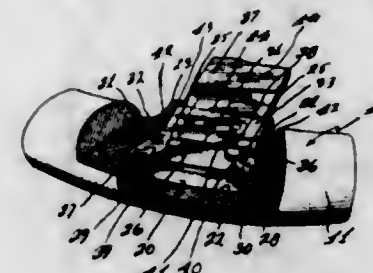
casing section and wheel to jack up the connected end of the vehicle and including mechanism predeterminedly operable to stop said jacking motion and thereafter automatically to rotate said fifth wheel to swing the elevated end of the vehicle transversely, a shaft driven by the vehicle motor, and means operatively connecting said gearing and motor driven shaft selectively operable to cause rotation of said fifth wheel in reverse directions.

1,740,386. APPARATUS FOR EJECTING ICE CREAM FROM CONTAINERS. WILLIAM J. BAYNES, Buffalo, N. Y. Filed Apr. 12, 1928. Serial No. 260,402. 16 Claims. (Cl. 107-7.)



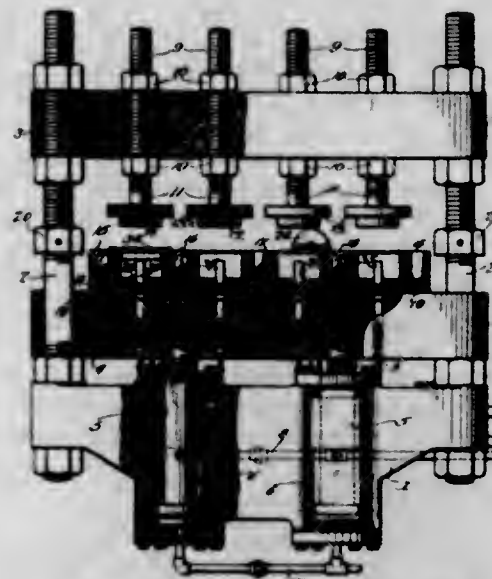
1. An apparatus for removing ice-cream or other contents from a container having a tubular body and a bottom removably engaging said body, comprising a support for said body, a gripper adapted to take hold of said bottom, a plunger adapted to engage said bottom on the outer side of the same, and means for first engaging said gripper with said bottom, then engaging said plunger with said bottom, then moving said gripper and plunger simultaneously toward said body for pushing the bottom inwardly at the lower end of the body and the contents outwardly at the upper end of the same, and then continuing the inward movement of the plunger independently of the gripper for detaching the bottom from the contents which are being ejected from the body.

1,740,387. STEERING WHEEL. CHARLES W. BECK, Toledo, Ohio, assignor to Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 30, 1928. Serial No. 274,084. 12 Claims. (Cl. 74-33.)



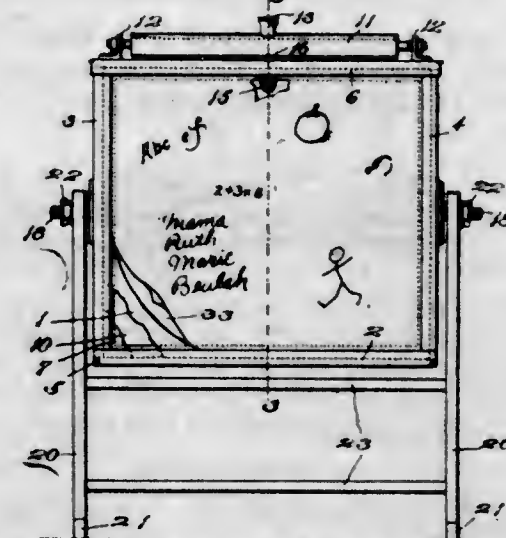
1. In a steering wheel, the combination with a wheel rim and a spider arm, of a connection between said rim and arm including a part sleeved upon said arm and having interlocking engagement with said rim.

1,740,388. PRESS FOR MOLDED LEATHER ARTICLES. WILLIAM A. BOHNE, Philadelphia, Pa., assignor to E. F. Houghton & Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1927. Serial No. 235,895. 2 Claims. (Cl. 69-8.)



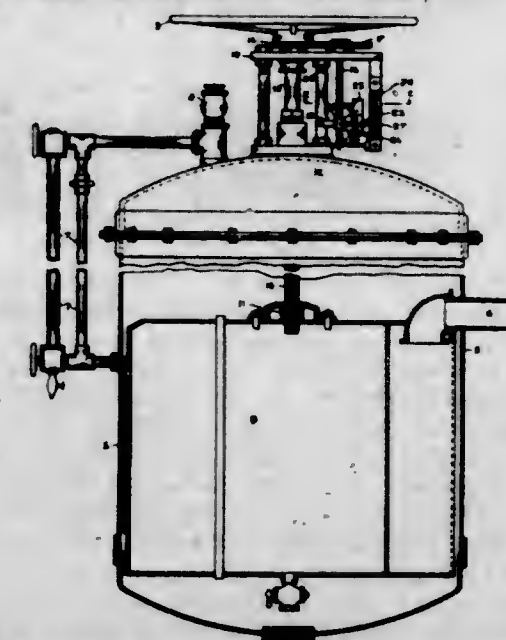
1. In a cooling press for molded leather articles, the combination with a relatively fixed housing, of an upper die carrier fixed to said housing, a lower die carrier movable in the housing, cylinders in the housing, plungers in said cylinders connected to the movable die carrier, means for introducing fluid pressure to the cylinders, a receptacle mounted on the movable carrier, a female die mounted in the receptacle and cooperative with the male die to maintain the molded article in the desired molded form, a valve-controlled duct entering said receptacle, overflow means in said receptacle for discharging therefrom any excess liquid entering through the said pipe, and automatic means for opening the valve to admit the cooling medium to the receptacle when the movable die carrier is advanced to bring the dies into operative relation and for interrupting the flow of said medium when the movable die carrier is retracted.

1,740,389. DRAWING BOARD. JAMES F. BREWER, Washington, D. C. Filed Jan. 13, 1928. Serial No. 246,477. 12 Claims. (Cl. 35-15.)



12. A drawing board comprising a rigid slab or support having a smooth face, and a sheet of viscose superposed on and adhering to said smooth face to constitute the drawing surface.

1,740,390. LIQUID-MEASURING DEVICE. JAMES E. BUSHNELL, North Plainfield, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a Corporation of New Jersey. Filed Feb. 27, 1928. Serial No. 237,219. 5 Claims. (Cl. 83-165.)



1. In a tank of the character described, the combination of means for varying the capacity of the tank, a scale for indicating the tank capacity and an adjustable scale operatively connected with said means and responsive to movements thereof, said scales being operatively associated.

1,740,391. INCANDESCENT-LAMP MOUNT. PERCY A. CAMPBELL, East Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Dec. 14, 1927. Serial No. 240,032. 4 Claims. (Cl. 176-39.)



1. In an electric incandescent lamp or similar device, the combination of a conductive support and a coiled fila-

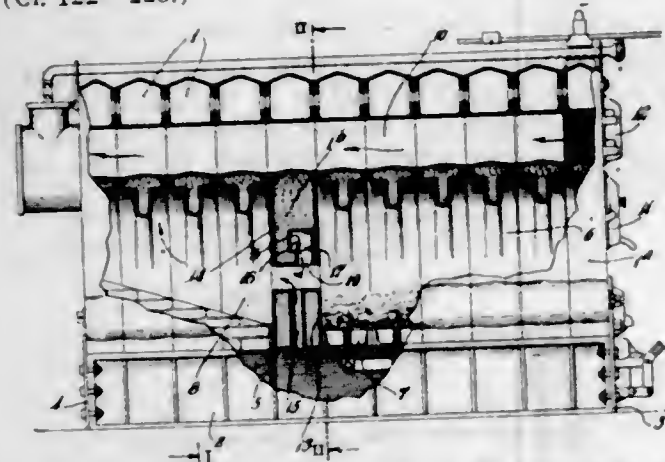
ment having therein at its end for a portion of its length a mandrel composed of non-refractory metal united to said support.

1,740,392. COMBINATION PLIERS AND WIRE-TWISTING TOOL. GEORGE DONALDSON, Los Angeles, Calif. Filed Nov. 14, 1927. Serial No. 233,157. 10 Claims. (Cl. 140-119.)



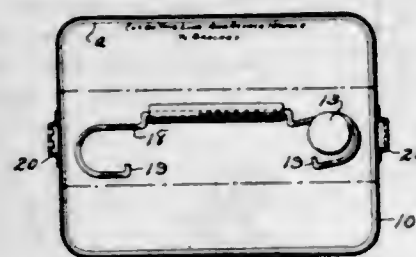
1. A tool composed of a pair of pliers, a support for said pliers, a slidable member on the tool operating in said support, a handle carried by said slidable member, and means operated by said slidable member and designed to rotate the pliers independently of said handle.

1,740,393. SECTIONAL FURNACE. HENRY COWLES and JAMES K. NORRIS, Utica, N. Y., assignors, by mesne assignments, to National Radiator Corporation, Dover, Del., a Corporation of Delaware. Filed Jan. 11, 1923. Serial No. 612,004. Renewed Jan. 18, 1929. 2 Claims. (Cl. 122-225.)



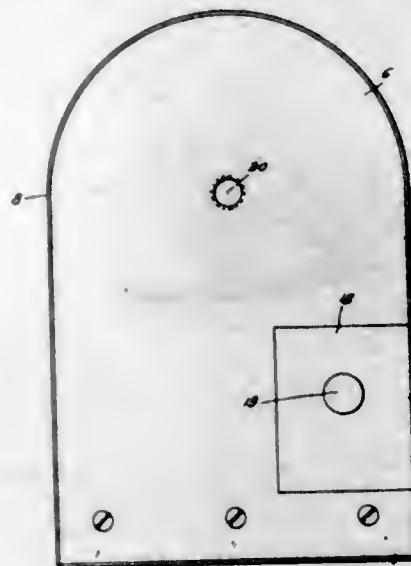
1. A sectional furnace made up of an assembled series of cast hollow water-containing transverse sections having a grate and ash pit thereunder and forming by water-cooled metal walls a firebox, water-cooled flue space in communication therewith, one of said sections forming both a hollow water-containing metal baffle wall depending below the roof of the fire-box, extending across the furnace and exposed to the fire gases, and a hollow metal water-containing bridge wall beneath said depending baffle wall and spaced therefrom, said bridge wall being provided with a transverse series of spaced vertical air flues having their front sides water-protected leading heated air from said ash pit and delivering it upward crosswise of the current of fire gases passing between the bridge wall and baffle wall.

1,740,394. HONEY CONTAINER. JOHN H. DU RALL, Mounds, Ill. Filed Oct. 29, 1928. Serial No. 315,765. 2 Claims. (Cl. 220-1.)



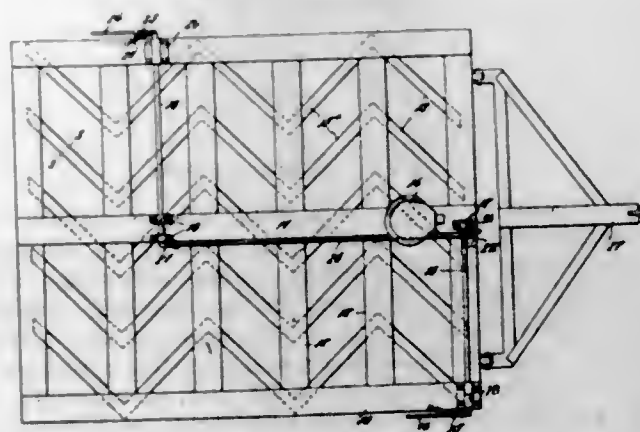
1. In a container, a false cover spaced above the top of the container and defining a compartment adapted to contain a detachable handle, means at opposite ends of the container for removable engagement with the handle, and combined means extending from the handle engaging means to detachably engage the false cover and to provide a support for the handle.

1,740,395. ELECTRIC PENCIL SHARPENER. ARTHUR CLARENCE DURST, Erie, Pa. Filed Sept. 29, 1927. Serial No. 222,852. 1 Claim. (Cl. 120-96.)



In a structure of the class described, a flat base, end walls rising from opposite ends of said base, one wall being provided with a pencil entrance opening, a removable casing fitted over said wall and base, a motor supported on the base and confined in the casing, a removable open top receptacle mounted on the base laterally, a rotary pencil sharpener supported on top of said motor and including a rotary driving shaft, a gear carried by said driving shaft, a pinion on the motor shaft in mesh with said gear, said pencil sharpener including a guard having a laterally depending chute having its discharge end above the receptacle, a tubular guide in alignment with the sharpening means of the pencil sharpener and also in alignment with the entrance opening in said end wall and further having a longitudinal slot, and a switch for controlling said motor including a substantially U-shaped resilient relatively movable contact element having a bent portion extending through said slot into said guide whereby when the pencil is inserted into said guide, the contact element will be moved by cam action to close the switch and to automatically start the electric motor.

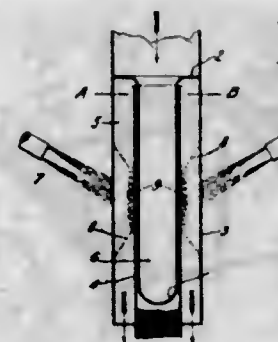
1,740,396. BOG CUTTER AND ROAD LEVELER. CHARLES FAULHABER, Brownlee, Nebr., assignor to Irving Faulhaber, Eugene, Oreg., and Ruby McDonald, Brownlee, Nebr. Filed Sept. 10, 1927. Serial No. 218,711. 1 Claim. (Cl. 37-143.)



In a device of the character described, a frame, draft means for said frame, a plurality of zigzag longitudinally extending spaced scraper blades secured to said frame, transversely disposed rods extending in opposed direction with respect to each other from the center of the frame to the outer sides thereof and one of said rods being jour-

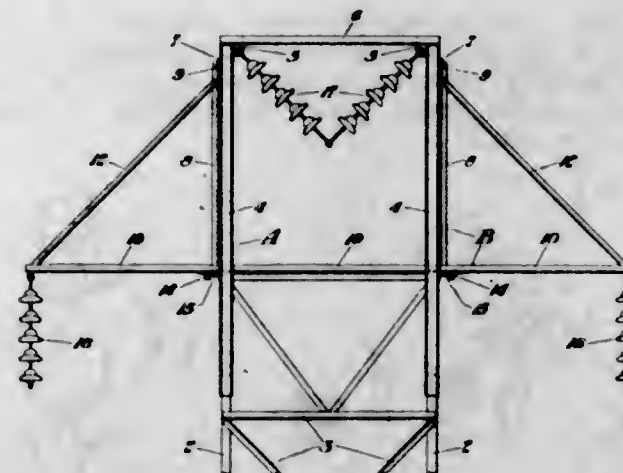
naled at the front of the frame while the other is journaled adjacent the rear thereof, crank arms formed with the inner ends of said rods, a link connected to the crank arms whereby the rods are movable in unison, angularly extending arms formed with the outer ends of said rods, spring pressed cutter blades secured to the angularly extending arms and having square cornered ground penetrating edges and a hand lever formed with the forward rod.

1,740,397. SEAL AND METHOD FOR MAKING THE SAME. WERNER FENGE, Gross-Lichterfelde, West, and WILHELM HAGEN, Berlin, Germany, assignors to General Electric Company, a Corporation of New York. Filed Oct. 17, 1927. Serial No. 226,553, and in Germany Nov. 12, 1926. 3 Claims. (Cl. 49-81.)



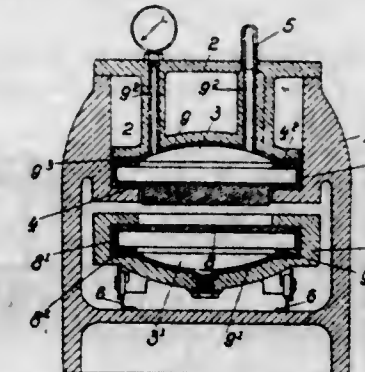
2. The method of sealing a tubular perforated metal member into vitreous material which comprises joining a hollow cylindrical vitreous member to a second vitreous member so as to produce inner and outer members with an annular space therebetween, inserting the perforated metal member over the inner vitreous member, heating the combined vitreous members and perforated member, and applying pressure to the vitreous members to thereby cause them to become fused to one another and to the perforated member.

1,740,398. TOWER ARM. CHAUNCEY MARSH GOODRICH, Windsor, Ontario, Canada. Filed Mar. 20, 1929. Serial No. 348,529. 4 Claims. (Cl. 189-33.)



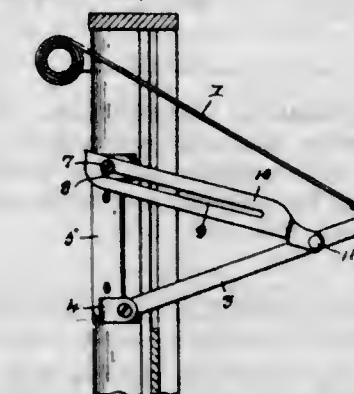
1. The combination with a transmission tower, of an arm construction comprising a beam member extending through the tower and beyond each side thereof in a direction transverse to the line, a pair of spaced hanger bars hingedly connected to said tower and connected to said beam to form a floating support for said beam so that said beam is free to swing horizontally in a direction parallel with the line, and means for preventing the swinging of said beam in a direction transverse of the line.

1,740,399. PRESS FOR THE PRODUCTION OF ARTISTIC PRINTS AND IMPRESSIONS. JOSEF GAUNBERG, Berlin, Germany. Filed Sept. 21, 1927. Serial No. 221,065, and in Germany Sept. 24, 1926. 3 Claims. (Cl. 101-3.)



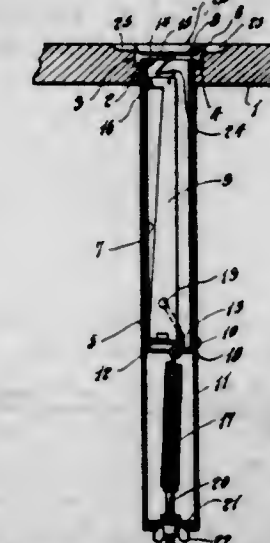
1. A printing press of the kind described, comprising in combination, a pressure receptacle open at one side, an elastic wall loosely inserted in said receptacle and arranged to close the open side of said receptacle, said elastic wall having an inwardly bent rim, arranged to lie close to the inner walls of said pressure receptacle and adapted to tighten up said receptacle when the pressure is increased within the latter.

1,740,400. AWNING. GEORGE R. HALL, Waterville, Kans. Filed May 9, 1928. Serial No. 276,441. 1 Claim. (Cl. 156-44.)



A bracket for the tensioning and brace bars of awnings for automobiles, comprising a bendable plate that has its edge, at its opposite corners formed with substantially U-shaped spaced ears which are designed to be bent at various angles with respect to the plate and which are adapted to receive therein and have pivoted thereto the said brace and tensioning bars for the awning.

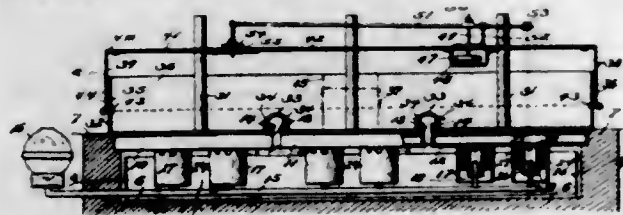
1,740,401. MIXING-BOWL HOLDER. WILLIS M. HOSSETTER, Miami, Fla. Filed July 26, 1923. Serial No. 295,522. 3 Claims. (Cl. 65-54.)



1. A mixing bowl holder, comprising a tubular member, a tubular standard slidable in said member, arms

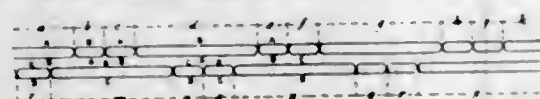
hingedly connected and adapted to be supported on said standard and to be housed within the standard, and resilient means engaging said arms to hold them in engagement with a bowl.

- 1,740,402. BROODER. JAMES D. HUGGINS, Bolling Springs, N. C. Filed Apr. 11, 1928. Serial No. 269,236. 6 Claims. (Cl. 119—32.)



1. A brooder including a base provided with a fresh air supplying chamber, a heater located therein and surrounded thereby, a hollow heat distributing member removably mounted on the upper end of said chamber to receive heated air from said heater, said heat distributing member forming a space at one of its ends to permit the passage of heated air upwardly from said fresh air supplying chamber, a covering member disposed above said heat distributing member and forming a brooding chamber thereabove, said covering member having a bottom provided with an opening aligning with said space to permit the entrance of the heated fresh air thereto, and a flue extending from the heat distributing member through the covering member.

- 1,740,403. ELECTRICAL CONDUCTOR. HANS JORDAN, Karlsruhe, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Nov. 14, 1927, Serial No. 232,992, and in Germany Mar. 30, 1927. 3 Claims. (Cl. 173—81.)



2. In a cable for telephone systems and the like, the combination of one pair of conductors covered with suitable insulation, the conductors of each pair being divided into sections in each of which said conductors are sharply crossed serially a definite number of times at equal distances and sharply crossed alternately once over a different distance longer than the distance between the serial crossings, a second pair of conductors similarly insulated and similarly crossed, all of said conductors being twisted about a common axis, the longer interval of each section of one pair being placed opposite to the short serial intervals of each section of the other pair, and vice versa.

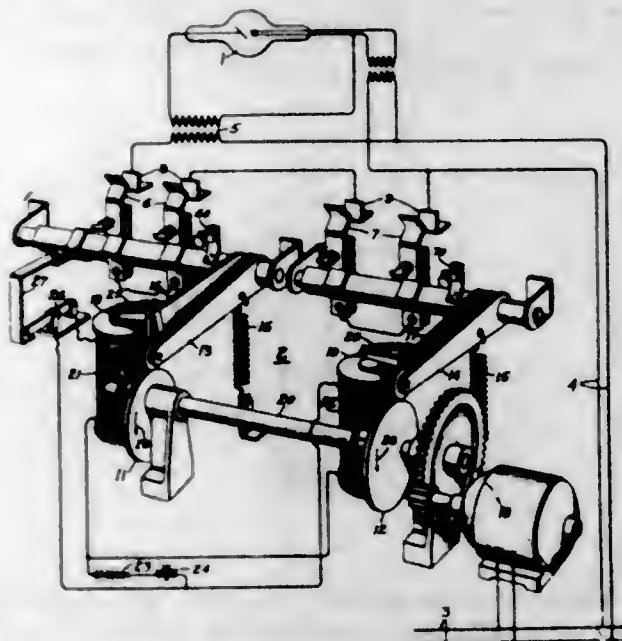
- 1,740,404. TRUCK. GEORGE J. KALBERER, Hamilton, Ohio. Filed Aug. 5, 1927. Serial No. 210,745. 7 Claims. (Cl. 280—46.)



1. A steering truck adaptable for propelling semi-wheeled trailers of the type having rests and a socket at the forward end, comprising, a truck body having a single

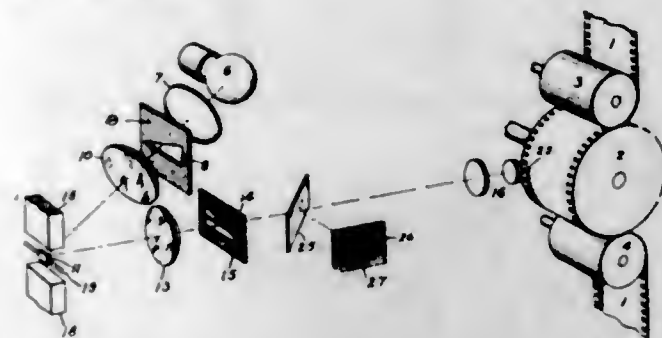
axis, a handle extending upward from said body, a king pin formed on the upper side of the body for draft engagement with said socket by truck rotation, and a stop device mounted on the body for coaction with the surface over which the truck is being moved to prevent accidental uncoupling rotation of said truck body.

- 1,740,405. ELECTRIC SWITCHING ARRANGEMENT. WILLIAM K. KEARSLEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 27, 1927. Serial No. 229,216. 10 Claims. (Cl. 200—91.)



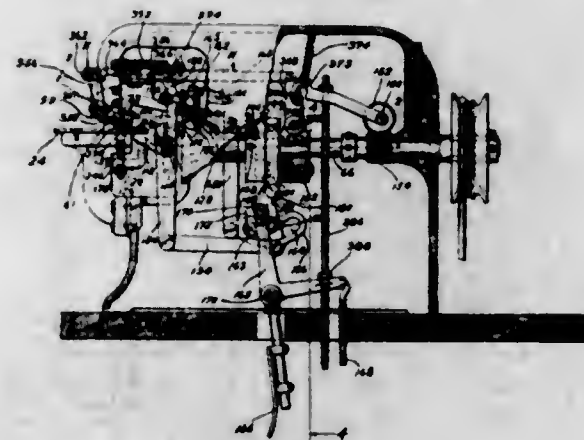
1. An electric switch for controlling the connection of two alternating current circuits comprising two independent movable contacts and means for effecting the movement of the contacts to circuit closing position and maintaining them in said position for a predetermined time comprising a synchronous motor connected to be energized from one of the circuits, and actuating means arranged to be operated by the motor to effect the closing of the contacts and positioned relatively to the rotor of the motor to effect the opening of one of the contacts when the instantaneous value of the current in the circuit through the contacts is substantially zero.

- 1,740,406. SOUND-RECORDING APPARATUS. EDWARD W. KELLOGG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 23, 1928. Serial No. 248,719. 4 Claims. (Cl. 179—100.1.)



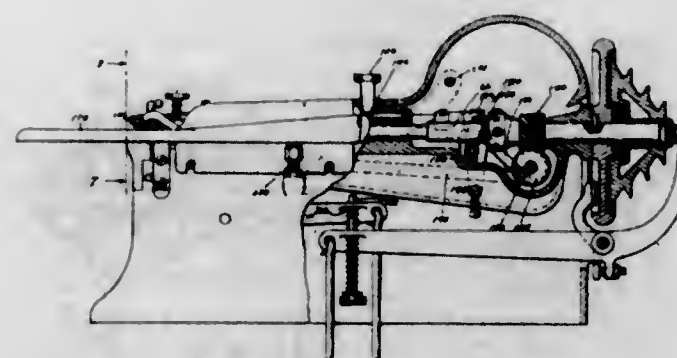
1. Apparatus for making a variable width sound record on a movable film comprising a source of light, a sound controlled oscillatable mirror arranged to reflect a light beam from said source toward the film and to vibrate it in the direction of movement of the film, a screen in the path of the reflected beam having a slit therein extending transversely of the direction of movement of the film, and means for giving to said beam a side making a small angle with said slit.

- 1,740,407. FOLDING MACHINE AND METHOD. LEO J. LAMBERT, Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 27, 1925. Serial No. 52,849. 50 Claims. (Cl. 12—54.)



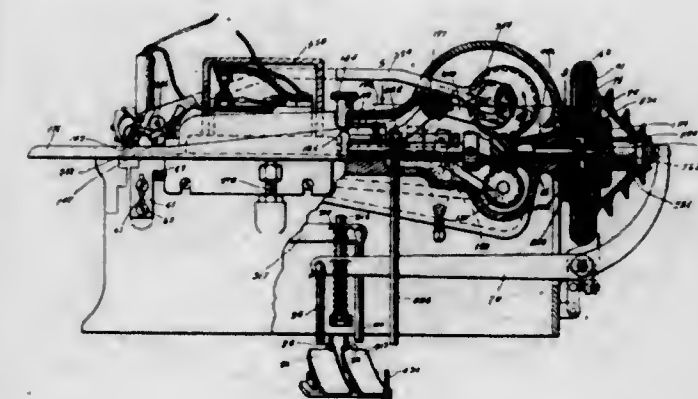
1. A method of feeding a shoe part or analogous flexible sheet material having a marginal portion standing out from and bent toward the body of the material that comprises pulling the bent marginal portion in substantially the direction of the line of bend and transmitting the pull from the marginal portion to the body to cause the body to follow the marginal portion, thereby to feed the material.

- 1,740,408. FOLDING MACHINE AND METHOD. ANDREW R. RIDDERSTROM, Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 1, 1920, Serial No. 407,336. Renewed May 28, 1928. 32 Claims. (Cl. 12—55.)



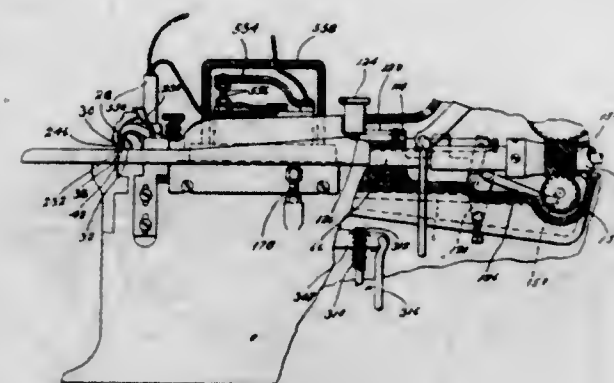
1. A machine for folding a strip around the edge of a sheet of material to one face of which, along the said edge, an edge of the strip is secured so that the sheet and the strip extend from the secured-together edges at an angle to each other, the said machine having, in combination, a wiper adapted to rotate in substantially a plane parallel to the plane of the sheet for wiping successive portions of the strip across the secured-together edges, means for rotating the wiper, means for folding the successively wiped portions of the strip around the secured-together edges, and means for pressing the successively folded portions of the strip into contact with the other face of the sheet.

- 1,740,409. FOLDING MACHINE AND METHOD. ANDREW R. RIDDERSTROM, Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 24, 1921, Serial No. 480,177. Renewed May 31, 1928. 21 Claims. (Cl. 12—55.)



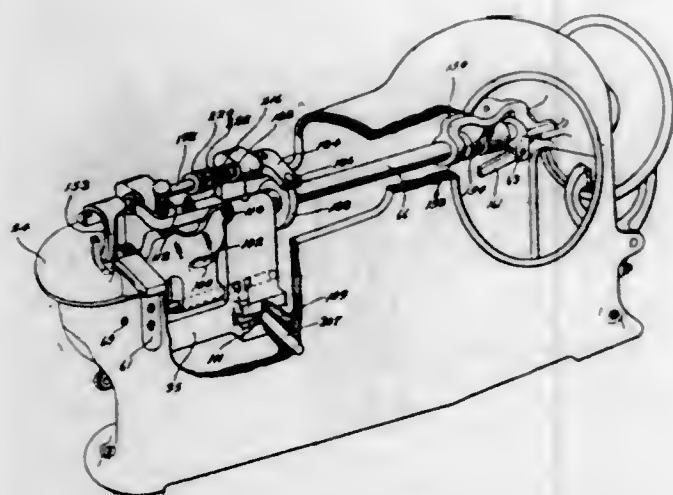
1. A machine for folding a strip around the edge of a sheet of material to one face of which, along the said edge, an edge of the strip is secured so that the sheet and the strip extend from the secured-together edges at an angle to each other, the said machine having, in combination, means for moving the unsecured edge of the strip across the secured-together edges, means for folding the strip around the secured-together edges, a separator adapted to lie between the strip and the secured-together edges, and a movable knife for slitting the unsecured edge of the folded strip, the separator constituting a stationary knife for cooperating with the movable knife to effect the slitting of the folded strip.

- 1,740,410. FOLDING MACHINE. ANDREW R. RIDDERSTROM, Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed June 24, 1921, Serial No. 480,177. Divided and this application filed Sept. 30, 1924. Serial No. 740,735. 28 Claims. (Cl. 12—55.)



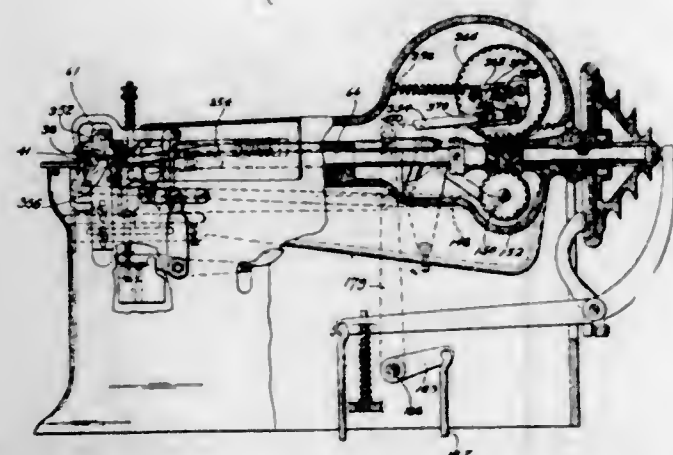
1. A machine for folding a dry-cemented strip around the edge of a sheet of material to one face of which, along said edge, an edge of the strip is secured so that the sheet and the strip extend from the secured-together edges at an angle to each other, the said machine having, in combination, means for moving the unsecured edge of the dry-cemented strip around the secured-together edges, means for pressing the strip into contact with the other face of the sheet, and means for heating the pressing means to liquefy the dry cement upon the strip.

1,740,411. FOLDING MACHINE. LEO J. LAMBERT, Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 16, 1924. Serial No. 743,932. 31 Claims. (Cl. 12-55.)



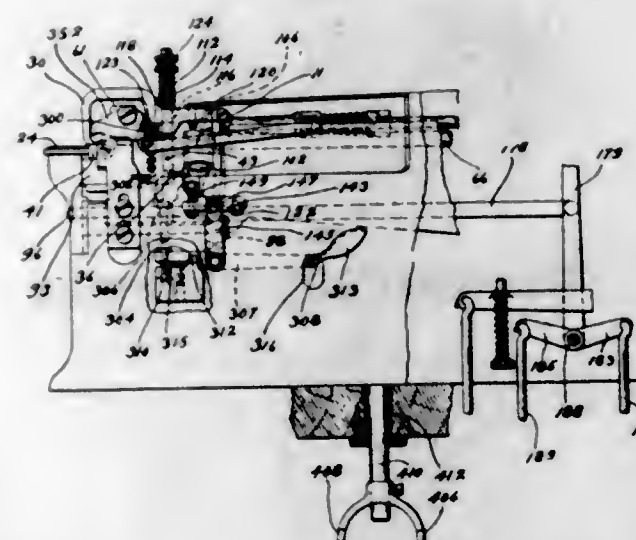
1. A machine for folding a strip around the edge of a sheet of material to one face of which, along the said edge, an edge of the strip is secured so that the sheet and the strip extend from the secured-together edges at an angle to each other, the said machine having, in combination, a support, a member for engaging successive portions of the sheet near the secured-together edges and for holding the sheet against the support, means for engaging portions of the strip adjacent to the said successively held portions of the sheet, and means for actuating the strip engaging means to drag the engaged portions of the strip into contact with the other face of the sheet.

1,740,412. FOLDING MACHINE. ANDREW R. RIDDERSTROM, Nabant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed July 17, 1923, Serial No. 652,169. Divided and this application filed Dec. 13, 1924. Serial No. 755,675. 4 Claims. (Cl. 12-55.)



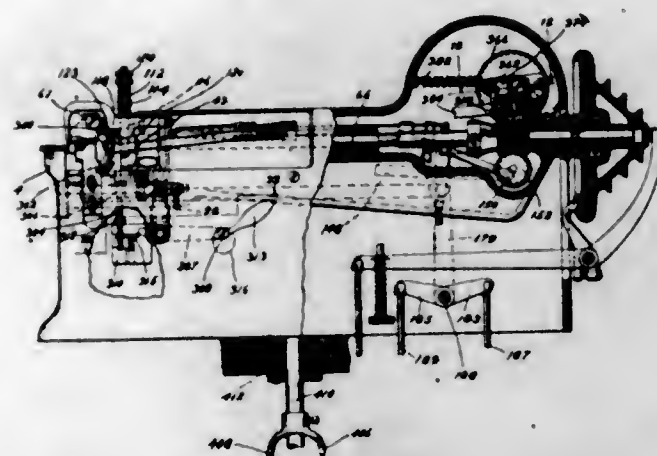
1. A machine of the class described having, in combination, a rotatable member, an eccentric slidably mounted on the member having a cam, and a cooperating cam adapted to be actuated to effect the sliding movement of the first-named cam upon the rotatable member.

1,740,413. FOLDING MACHINE. ANDREW R. RIDDERSTROM, Nabant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed July 17, 1923, Serial No. 652,169. Divided and this application filed Dec. 13, 1924. Serial No. 755,676. 24 Claims. (Cl. 12-55.)



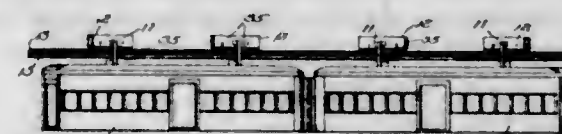
1. A machine of the class described having, in combination, a frame, means pivotally mounted on the frame for feeding material, means for oscillating the feeding means about its pivot, and means yieldingly connecting the feeding means and the oscillating means to cause them to oscillate as a unit.

1,740,414. FOLDING MACHINE AND METHOD. ANDREW R. RIDDERSTROM, Nabant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 17, 1923. Serial No. 652,169. 67 Claims. (Cl. 12-54.)



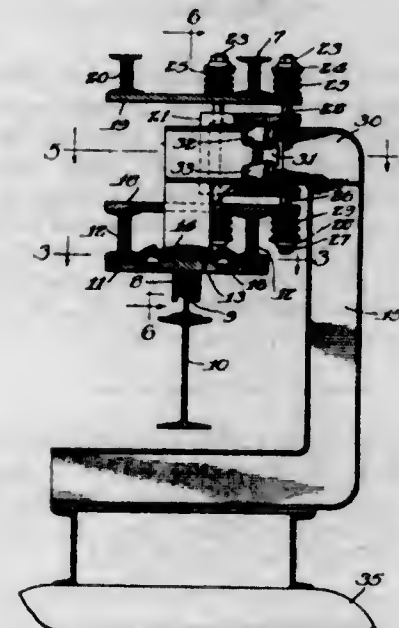
1. A folding machine having, in combination, means for feeding material, a folder for folding the material in one step through an angle of nearly one hundred eighty degrees, and a fold presser situated immediately before the folder in the direction of the line of feed for pressing the fold produced by the folder, the fold presser and the folder being immovable relatively to each other in the direction of the line of feed.

1,740,415. CAR HANGER. PRESLEY S. COMBS, Jr., Chicago, Ill., assignor to Monorail Engineering Corporation, Chicago, Ill., a Corporation of Illinois. Substitute for application Serial No. 151,423, filed Nov. 29, 1926. This application filed Oct. 5, 1929. Serial No. 397,711. 6 Claims. (Cl. 105-156.)



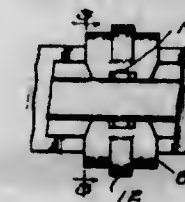
1. The combination with a monorail truck and car hanger having a universal joint connection therewith, of means for resiliently holding the truck and hanger in predetermined position with respect to each other.

1,740,416. MONORAIL CAR TRUCK. PRESLEY S. COMBS, Jr., Chicago, Ill., assignor to Monorail Engineering Corporation, Chicago, Ill., a Corporation of Illinois. Substitute for application Serial No. 151,425, filed Nov. 29, 1926. This application filed Oct. 5, 1929. Serial No. 397,712. 5 Claims. (Cl. 105-156.)



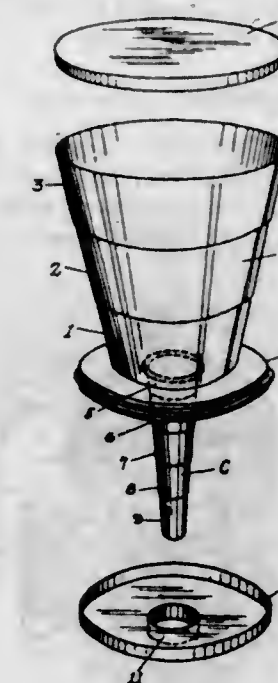
1. The combination with a monorail truck, of a hanger having a universal joint connection therewith, a cage resiliently mounted in the truck, and means on the hanger for engagement with the cage throughout the range of movement of the hanger and tending to hold the hanger in normal position with respect to the truck.

1,740,417. MONORAIL TRACK CONSTRUCTION. PRESLEY S. COMBS, Jr., Chicago, Ill., assignor to Monorail Engineering Corporation, Chicago, Ill., a Corporation of Illinois. Substitute for forfeited application Serial No. 154,721, filed Dec. 14, 1926. This application filed Oct. 5, 1929. Serial No. 397,713. 2 Claims. (Cl. 238-190.)



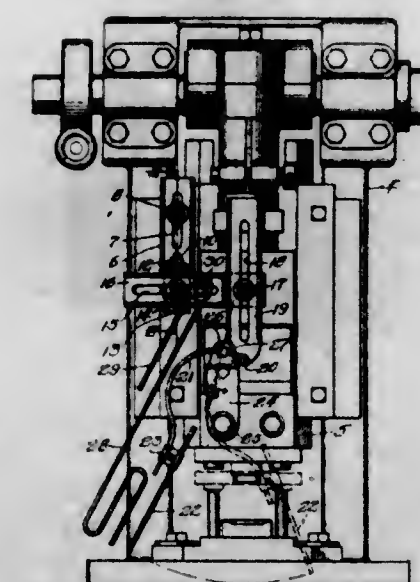
1. In a monorail track construction, the combination with a straight supporting beam, of a curved rail mounted on said beam, clips engaging with the oppositely disposed flanges of said beam and rail, and fastening means for securing the clips together.

1,740,418. COLLAPSIBLE FUNNEL OR THE LIKE. THOMAS H. DONNELLY, Cranston, R. I. Filed Aug. 20, 1928. Serial No. 300,863. 2 Claims. (Cl. 226-29.)



2. In an article of the character described, an annular member having a slight concavity in its central portion, a plurality of telescoping conical sections secured to said annular member on its concave surface, said annular member having an opening therein of substantially lesser diameter than any of said telescoping sections, a second series of telescoping sections secured to said annular member, the topmost section of said second series being fixedly attached within said opening and being flush with the upper surface of said annular member, the remaining sections of said second series being adapted to depend from said topmost section and form a stem, said remaining sections of said second series of telescoping sections being adapted, when collapsed, to lie within the plurality of sections secured to the upper surface of the bottom member, a top cover for fitting onto the largest section above said bottom member, and a bottom cover for fitting onto the said bottom member.

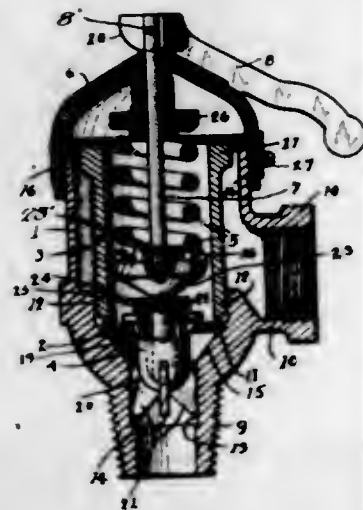
1,740,419. SAFETY GUARD FOR PUNCH PRESSES. EDWARD P. JOHNSON, Chicago, Ill. Filed Mar. 31, 1927. Serial No. 179,930. 4 Claims. (Cl. 74-105.)



4. A safety guard for punch presses comprising a support adapted to be adjustably mounted on the press, an arm pivotally mounted on said support and having a curved portion adjacent to the pivot, an operating member adapted to be actuated to move the arm into a position to engage the punch and prevent the punch from descending.

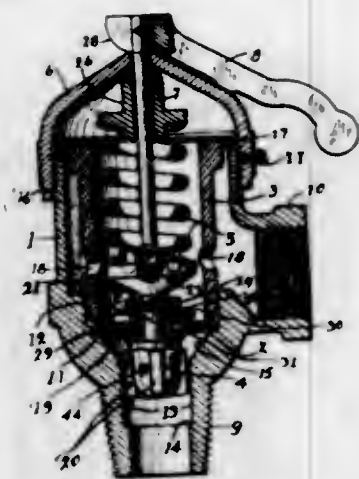
to be secured to a movable portion of the press, a block pivotally mounted on said operating member and having a hole therethrough for receiving the curved portion of the arm, the arrangement being such that when the movable portion of the press is actuated it will cause the block to move along the arm and swing the arm across in front of the press.

1,740,420. RELIEF VALVE. ARTHUR FRIEDMAN, Cleveland, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 24, 1925. Serial No. 64,483. 19 Claims. (Cl. 137—53.)



15. A relief valve comprising a valve casing, a valve seat of disc-like annular form having a valve seating surface of materially less diameter than the supported zone of said valve seat, a supplemental valve head supporting element, and a pressure responsive valve head normally yieldingly held in valve closing engagement with said valve seat, said valve seat being adapted to release said valve head thereby permitting the valve head to move beyond its normal seating position into engagement with said supplemental valve head supporting element to permanently open said valve when said valve seat is subjected to predetermined excessive temperature conditions.

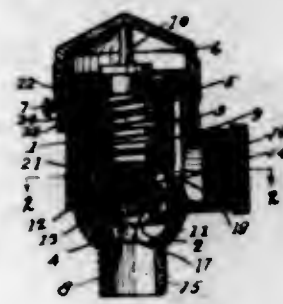
1,740,421. RELIEF VALVE. ARTHUR FRIEDMAN, Cleveland, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 12, 1926. Serial No. 87,747. 5 Claims. (Cl. 137—53.)



1. A pressure and temperature relief valve comprising a casing having an inlet aperture, a discharge aperture and a pressure responsive friable valve seat between and adjacent to said apertures, a valve head cooperating with said valve seat for closing the communication between said apertures, means for maintaining said valve head on its seat under normal fluid pressures exerted through the inlet aperture and yieldable to permit said valve to open when a predetermined pressure is reached, and a fusible plug mounted

in a threaded aperture formed in said valve head and adapted to soften sufficiently to be blown out of said threaded aperture by the normal pressure existing in said inlet aperture, to thereby connect said inlet aperture with said outlet aperture when the temperature to which said valve head is subjected by fluids received in said inlet aperture increases to a predetermined temperature well below temperatures that are destructive to the remainder of said valve structure.

1,740,422. RELIEF VALVE. WALLACE J. SNOW, Lakewood, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 21, 1928. Serial No. 271,867. 6 Claims. (Cl. 137—53.)



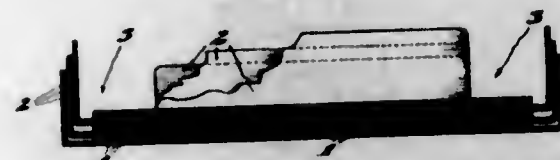
6. A relief valve structure comprising a valve casing, a valve cage adapted to be received in said valve casing, a temperature responsive valve seat adapted to be removably and rigidly secured within the valve casing by said valve cage having a portion formed from a relatively fusible material, a combined valve head and guide member, a valve spring in contact with said valve head, a valve cap to provide means for adjusting the tension of said valve spring, and means to prevent fluid leakage past said valve cap when said valve is in open position.

1,740,423. INTAGLIO OFFSET LITHOGRAPHIC PLATE AND PROCESS OF MAKING SAME. OSCAR KOHN, Chicago, Ill., assignor to Aquatone Corporation, a Corporation of Delaware. Filed Jan. 25, 1928. Serial No. 249,427. 23 Claims. (Cl. 95—5.6.)



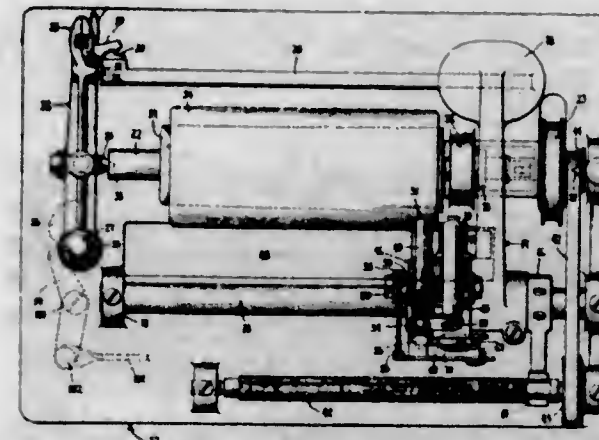
1. An intaglio plate for printing by off-set lithography, said plate including a grained sheet having printing surfaces thereon and a raised coating on said sheet between said printing surfaces and higher than the same, said coating having a surface capable of retaining dampness and repelling ink whereby the raised coating prevents the spreading of ink and confines the intended printing particles to their predetermined dimensions.

1,740,424. FILING TRAY. JOHN E. BLAINE, Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 27, 1927. Serial No. 242,804. 1 Claim. (Cl. 206—73.)



A series of filing trays adapted to nest one within the other, said trays formed from a standard size and shape blank and the variation in tray size produced by bending the side portions thereof on lines of fold, varied on each blank.

1,740,425. RECORD-RESURFACING MACHINE. VICTOR L. FRYKMAN, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a Corporation of New York. Filed Sept. 3, 1927. Serial No. 217,337. 19 Claims. (Cl. 82—1.1.)



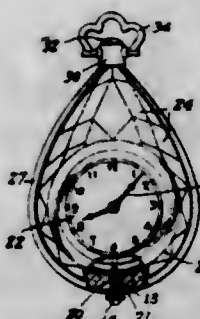
1. In a record-resurfacing machine, the combination of a mandrel for supporting a record to be resurfaced; an end-gate; and means operatively related to the end-gate for automatically ejecting a record from said mandrel in response to movement of the end gate.

1,740,426. NOVELTY WATCH. JOSEPH B. KISLINGER, New York, N. Y., assignor to Marie B. Kislinger, New York, N. Y. Filed June 23, 1924. Serial No. 721,721. 13 Claims. (Cl. 58—88.)



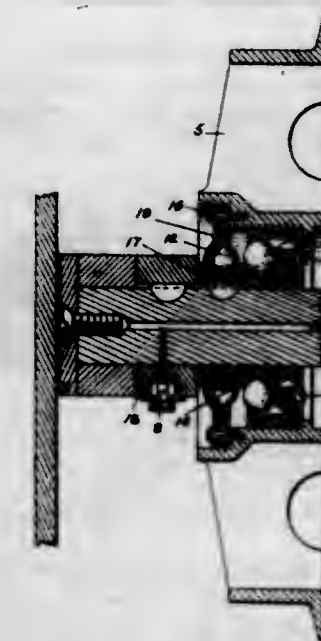
1. A pendant construction comprising a watch movement having a face plate, a metallic case enclosing the edge and back of said movement, a non-metallic body materially larger than and enclosing said metallic case, a metallic band embracing the edge of said body, a supporting pendant attached to said band and a winding stem extending outwardly through said band and preventing relative rotation of the movement in the body.

1,740,427. WATCH CONSTRUCTION. JOSEPH B. KISLINGER, New York, N. Y., assignor to Marie B. Kislinger, New York, N. Y. Filed Aug. 20, 1926. Serial No. 130,448. 7 Claims. (Cl. 58—88.)



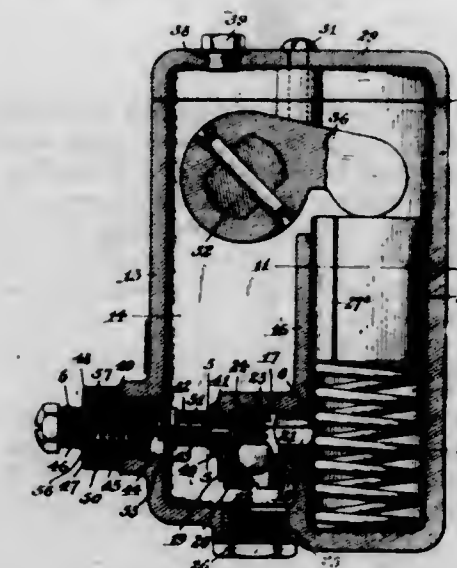
2. A watch case body comprising a molded part having a recess with an inner wall and shoulder for supporting a wall of a watch case and having the wall opposite the recess formed to constitute a lens the outer edge of which is located in line with the inner shoulder.

1,740,428. PACKING UNIT. HARRY A. KNOX, Davenport, Iowa. Filed Jan. 13, 1928. Serial No. 81,078. 1 Claim. (Cl. 286—11.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 737.)



A packing unit for rotatable members including a pair of offset flexible disks reversely mated to provide contacting and spaced portions, means passing through the contacting portions for securing the disks to the rotatable member, fixed members for supporting the ends of the spaced portions of the disks, a spring for holding such ends against their supporting members and an offset rigid annular plate secured to the rotatable member and engageable supporting the portion of the outer disk not supported by the fixed member.

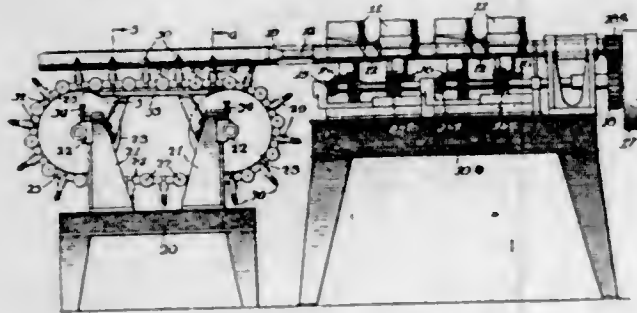
1,740,429. SHOCK ABSORBER. ADOLPH W. F. MANZEL, Buffalo, N. Y., assignor to Manzel Bros. Co., Buffalo, N. Y., a Corporation of New York. Filed Dec. 16, 1927. Serial No. 240,469. 17 Claims. (Cl. 267—8.)



2. A shock absorber, comprising a casing having a chamber containing oil and a cylinder also containing oil and separated from said chamber by a wall, said wall having a valve chamber projecting into said oil-containing chamber, a plunger within said cylinder, a valve within said valve chamber normally closed and adapted to open upon the suction stroke of said plunger to admit the free passage of oil from said oil-containing chamber to said cylinder, a sleeve projecting from said valve chamber and extending into said oil-containing chamber, said sleeve having a conduit connection with said cylinder through said valve chamber and having also an elongated longitudinal opening.

tudinally-disposed opening in its peripheral wall of even width throughout its effective length, and a valve within said sleeve controlling said opening to gradually open the same according to pressure exerted upon said valve.

1,740,430. TUBE-CUTTING MACHINE. GARRETT W. MUDD, Chicago, Ill., assignor to Manufacturers Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 5, 1927. Serial No. 210,775. 7 Claims. (Cl. 164—61.)



1. A tube cutting machine embodying an endless series of rotary cutters, a tube guide, and a carriage upon which said cutters are mounted, said carriage movable lengthwise of and in co-operative relation with the tube guide, said carriage and cutters adapted to be impelled by the advancing tube as it is cut.

1,740,431. UPHOLSTERY INSTALLATION AND FASTENER ELEMENTS FOR USE THEREWITH. ROLLO F. WALTERS, Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass., a Corporation of Massachusetts. Filed July 24, 1924. Serial No. 727,957. 2 Claims. (Cl. 45—138.)



1. An upholstery installation including a relatively stiff form, a plurality of studs positioned with their bases against the outer face of said form and with their socket-engaging portions passing through said form and attaching means adhesively secured to said form for preventing said studs from separating from said form, said studs being shiftable transversely in any direction relative to said form and said attaching means.

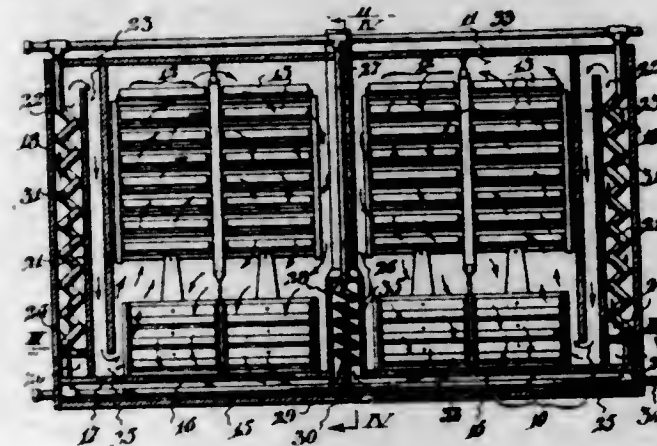
1,740,432. EXTENSION DEVICE. EDWIN F. M. SPEIDEL and KARL C. AUGENSTEIN, Cranston, R. I.; said Augen-stein assignor to said Spidel. Filed Aug. 23, 1928. Serial No. 301,683. 5 Claims. (Cl. 24—71.)



1. A foldable extension device for a wrist watch strap including two sections hinged together for folding one on the other, an engaging member on one section in proximity to its free end having a recess facing said free end, a cooperating engaging member on the other of said sections in proximity to its free end for entering said recess, means to attach one of said sections to the bar of a wrist watch and strap end securing elements on the free end of the other of the sections in alignment with

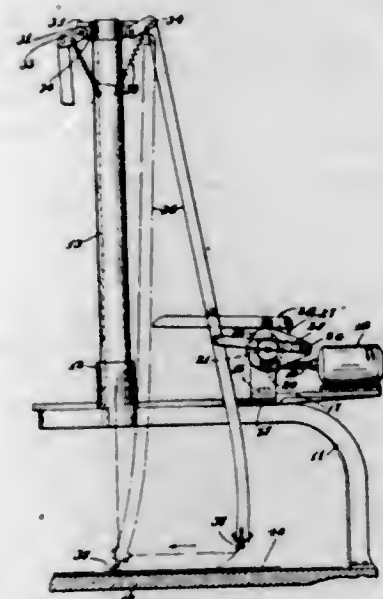
said engaging members when the members are in folded position whereby the pull of the strap ends on the sections when folded are substantially in the plane of the engaging members.

1,740,433. INCUBATOR. TOLBERT K. TIFFANY, Trenton, N. J., assignor to James H. Bell, Philadelphia, Pa. Filed May 20, 1925. Serial No. 31,509. 5 Claims. (Cl. 119—42.)



1. An incubator of the type seating on the ground or floor level comprising an incubating chamber with up-and-down inlets at opposite ends for entry and divided flow of warm air into said chamber at its bottom, a chill-insulating base communicating by grated openings with said incubating chamber but separated from the inlets, and a flue centrally located to determine traverse of the divided air streams in opposed directions through the base to effectively heat said base to counteract directly-communited upward temperature reducing influences previous to discharge from the incubator.

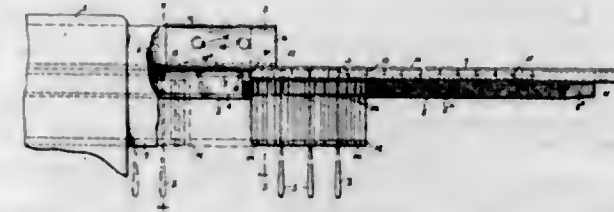
1,740,434. SLICKING MACHINE. WALLACE C. WRIGHT, Brookfield, N. H., assignor to Harding Engineering Company, East Boston, Mass., a Corporation of Massachusetts. Filed May 12, 1927. Serial No. 190,748. 6 Claims. (Cl. 149—17.)



6. In a slicking machine, comprising a base, a slicking board mounted thereon, a frame secured to the base, and above the slicking board, the improvement which comprises an annular plate secured to the top of the frame, a plurality of driving mechanisms mounted on said plate and equally spaced thereabout, a standard secured to the frame and extending upwardly therefrom substantially above the center of the base, a plurality of arms pivotally mounted on said standard, a slicking tool on each arm, means for connecting each arm to a separate driving mech-

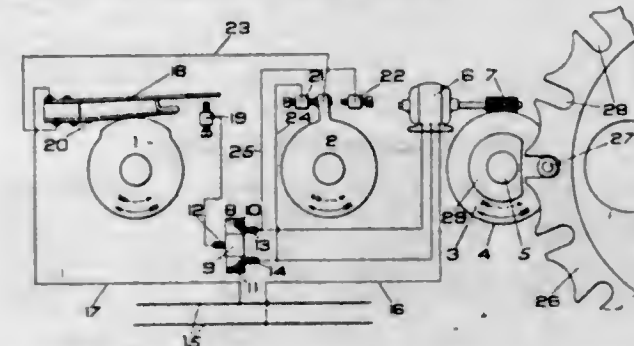
anism, means for yieldingly urging the arms downward toward the base, and means associated with the arms for constraining the lower end of the arm to move in a closed path, said means being associated with and operable by the driving means.

1,740,435. MATRIX-COMPOSING STICK. HERMAN R. FREUND, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 13, 1928. Serial No. 319,085. 14 Claims. (Cl. 199—26.)



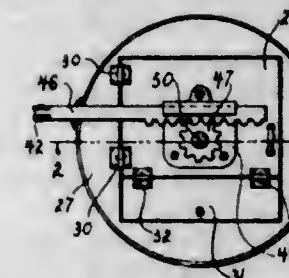
1. A matrix composing stick having means at its under side for supporting a composed line of matrices and depending spacers thereon and embodying means to cooperate with a matrix channel of a line casting machine and to align the matrices and the depending spacers on the composing stick with said channel.

1,740,436. ELECTRIC MOTOR-DRIVEN INTERMITTENT-DRIVING GEAR. JAMES LEWIS KIMBALL, Beverly, Mass., assignor to Ruggles-Klingemann Mfg. Company, Salem, Mass. Filed Aug. 10, 1925. Serial No. 49,328. 4 Claims. (Cl. 172—240.)



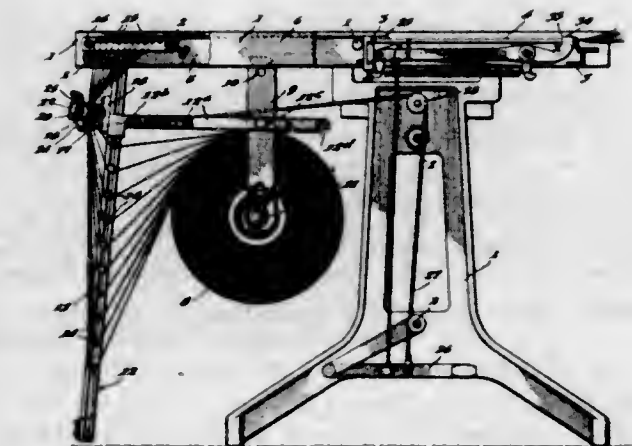
2. In a motor control system, comprising an electrically reversible motor, a two way pilot switch for starting said motor in either direction, a main switch for operating the motor for a predetermined number of revolutions in either direction and a circuit controlling switch operated by the motor for insuring the operation of the motor in the same direction as started by the pilot switch.

1,740,437. WASHING MACHINE. JACOB E. REMPE, Danville, Ill. Filed Aug. 8, 1927. Serial No. 211,483. 3 Claims. (Cl. 259—101.)



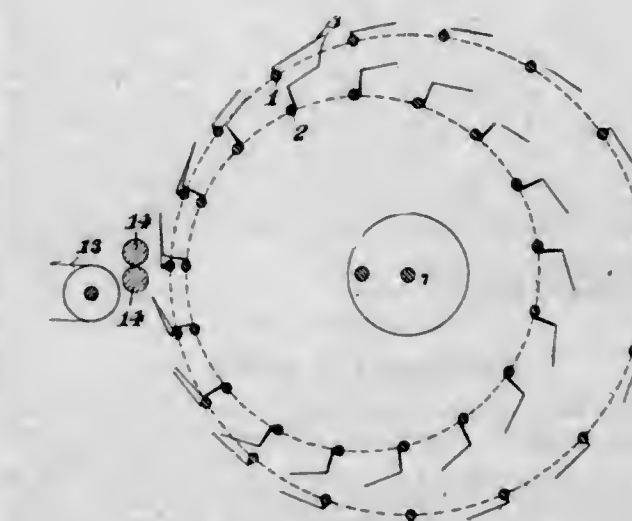
1. In a washing machine the combination of a tub; a tubular extension extending downwardly from the bottom of the tub and adapted to contain liquid; an outlet pipe extending outwardly from said tubular extension; a removable plug closing the free end of said outlet pipe; a screw threaded plug closing the lower end of said tubular extension and having a cone point; a shaft rotative on the cone point of said screw plug; a gyrator secured on said shaft; and means for oscillating said gyrator shaft.

1,740,438. PAPER FEED FOR TYPEWRITERS. OSCAR SCHLICHTER, Hamilton, Ohio, assignor to Krauth & Benninghofen, Hamilton, Ohio, a Firm. Filed Oct. 20, 1928. Serial No. 313,911. 6 Claims. (Cl. 197—133.)



5. In a device of the character disclosed, a frame, a platen mounted in said frame and supporting a web of paper, a pair of gripping rolls in the feeding path of the web to the platen from the supply source, said rolls co-operating to grip the web and prevent retrograde motion thereof, a floating roller bearing upon and applying pressure on the web between the supply source and gripping rolls, and means for throwing said gripping rolls out of cooperation, extending the floating roller pressure to the web portion upon the platen beyond said gripping roll for backing up the web and drawing the same tautly upon the platen.

1,740,439. APPLIANCE FOR OPENING FIBER BUNDLES. RUDOLF SETZER, Trudering, near Munich, Germany. Filed Aug. 18, 1927. Serial No. 213,958, and in Germany Aug. 6, 1926. 6 Claims. (Cl. 19—96.)



1. A device for opening fibrous material comprising pairs of cooperating penetrating elements mounted for circular movement, the points of the cooperating penetrating elements of each pair being adapted during their movement to come adjacent each other for penetrating together as a single penetrating point, the fibrous material and thereafter to gradually part from each other for opening the fibrous material.

THE OFFICIAL GAZETTE

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CONTENTS

	Page
ISSUE OF DECEMBER 24, 1929	785
ADVERSE DECISIONS IN INTERFERENCE	785
ADJUDICATED PATENTS	785
INTERFERENCE NOTICE	785
NOTICE OF CANCELLATION	785
APPLICATIONS UNDER EXAMINATION	785
COMMISSIONER'S DECISION— Ex parte Schweyer	787
DECISIONS OF THE U. S. COURTS— In re Holmes	787
PATENT SUITS	790
TRADE-MARKS PUBLISHED (277 APPLICATIONS)	791
TRADE MARK REGISTRATIONS GRANTED	828
LABELS	837
PRINTS	838
REISSUES	839
DESIGNS	840
PATENTS GRANTED	852

Issue of December 24, 1929

Trade-Marks	218—No. 265,254 to No. 265,471, inclusive.
Labels	58—No. 36,762 to No. 36,819, inclusive.
Prints	6—No. 12,261 to No. 12,269, inclusive.
Reissues	6—No. 17,534 to No. 17,539, inclusive.
Designs	53—No. 80,158 to No. 80,210, inclusive.
Patents	701—No. 1,740,440 to No. 1,741,140, inclusive.
Total	1,045

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,553,162, Stanley Hiller, Processes for manufacturing olive oil, decided October 31, 1929, claims 1, 2, 3, 4, and 5.

Pat. 1,571,644, Hugh E. Robertson, Time-clock electrical switches, decided November 4, 1929, claim 2.

Pat. 1,590,553, Victor Clairemont, Grading and candling machines, decided October 17, 1929, claim 1.

Pat. 1,701,436, Harry E. Baker, Punching mechanism for use with adding machines, decided November 15, 1929, claims 1, 3, 4, 9, and 10.

Pat. 1,705,701, Walter M. Austin, Resistance shunt-circuit breaker, decided November 8, 1929, claims 1, 2, and 5.

Pat. 1,706,627, Albert D. McGibbon, Electric switch, decided December 6, 1929, claims 6 and 7.

Adjudicated Patents

(D. C. N. Y.) Claude patent, No. 1,125,476, for system of illuminating by luminescent tubes, claim 1 Held infringed. *Claude Neon Lights v. American Neon Light Corporation*, 35 F. (2d) 263.

(D. C. N. Y.) Anderson patent, No. 1,360,256, for can opener, claims 1 and 2 Held valid and infringed. *Star Can Opener Co. v. Turner & Seymour Mfg. Co.*, 35 F. (2d) 254.

(C. C. A. N. J.) Nelson patent, No. 1,404,539, for confection, Held invalid for lack of invention. *Eskimo Pie Corporation v. Levous*, 35 F. (2d) 120.

(C. C. A. Pa.) Athenas patent, No. 1,475,153, for portable electric combination drill, Held not infringed. *Elliott Co. v. H. S. B. W. Cochrane Corporation*, 35 F. (2d) 169.

(C. C. A. Pa.) Elliott patent, No. 1,497,491, for method of treating liquids and apparatus therefor, Held not infringed. (Id.)

(D. C. N. Y.) Anderson patent, No. 1,528,178, for can opener, claims 1, 6, and 7 Held not infringed. *Star Can Opener Co. v. Turner & Seymour Mfg. Co.*, 35 F. (2d) 254.

(C. C. A. Del.) Brogden & Trowbridge patent, No. 1,529,461, for art of preparing fresh fruit for market, claims 1 to 9, 14 to 18, 23 to 26 Held valid and infringed. *American Fruit Growers v. Brogden Co.*, 35 F. (2d) 106.

(C. C. A. Pa.) Elliott reissue patent, No. 15,866, for treatment of liquids, Held not infringed. *Elliott Co. v. H. S. B. W. Cochrane Corporation*, 35 F. (2d) 169.

Interference Notice

U. S. PATENT OFFICE, Washington, Dec. 10, 1929.

The Jos. Gentile Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. & G. Emerzian, 3211 Tulare Street, Fresno, Calif. (doing business at Fresno and Modesto, Calif.), for registration of a trade-mark and trade-mark registered December 29, 1925, No. 207,280, to The Jos. Gentile Company, 1231 East Seventh Street, Los Angeles, Calif., and a notice of such declaration sent by registered mail to said The Jos. Gentile Company, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Jos. Gentile Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, Washington, D. C., Dec. 3, 1929.

The Orchardale Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of the New England Vinegar Works, Inc., 48-56 Washington Street, Somerville, Mass., to effect the cancellation of trade-mark registration No. 142,043, issued May 3, 1921, to Howard P. Miller, 8433 Wiswell Avenue, Cincinnati, Ohio, which registration, the assignment records of the Office show, has been transferred to The Orchardale Company, 8433 Wiswell Avenue, Cincinnati, Ohio. The notice of such proceeding sent by registered mail to The Orchardale Company at the said address having been returned by the post-office as undeliverable, notice is hereby given that unless The Orchardale Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business December 13, 1929

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 113,573 Trade-Mark Division, 1,534. Oldest new case, Feb. 7, 1929; oldest amended, Feb. 3, 1929. The dates given are 1929.)				
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Apr. 11	Apr. 19	1,345
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Apr. 3	Apr. 6	1,935
331	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 6	July 22	1,390
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	May 4	May 4	1,373
108	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Mar. 28	Mar. 30	1,596
318	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Feb. 7	Feb. 5	3,136
106	7. JARBOE, C. O., Optics; Photography.	Mar. 22	Mar. 28	2,416
133	8. HENRY, C. G., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	June 10	1,268
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	May 15	May 17	1,798
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Mar. 25	Apr. 19	1,663
148	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 29	Aug. 22	774
380	12. PIERCE, P. P., Machine Elements.	Apr. 19	Apr. 5	1,634
154	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Apr. 24	Apr. 29	1,519
102	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 16	May 13	1,320
320	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Feb. 30	Feb. 23	2,888
242	16. SPENCER, C. J., Telegraphy; Telephony.	Mar. 26	Apr. 25	1,343
307	17. RAFTER, G. S., Label Fastening and Paper Hanging; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 23	Apr. 12	1,580
226	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 27	May 1	1,488
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 11	Apr. 5	2,104
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 18	Apr. 27	1,592
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	May 2	July 12	805
244	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buys; Ships; Marine Propulsion.	Apr. 6	May 9	1,623
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers.	Mar. 5	Mar. 8	1,206
147	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 11	May 1	1,620
202	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 6	Apr. 6	1,633
228	26. HODGES, J. S., Electricity, Generation; Motive Power.	Apr. 15	Apr. 19	1,262
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 18	Mar. 7	1,597
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 26	Apr. 27	2,810
160	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	June 8	June 4	812
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 15	Sept. 3	1,433
312	31. HOLMES, W. N., Distillation; Gas, Heating and Illuminating; Mineral Oils.	Mar. 30	Apr. 9	2,447
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	May 2	May 4	1,814
152	33. WYMAN, W. L., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 22	Apr. 18	2,472
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Apr. 5	May 3	1,216
116	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	June 26	July 8	1,814
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Apr. 5	Apr. 6	2,255
224	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Mar. 14	Mar. 16	2,263
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 5	Mar. 9	2,005
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Mar. 5	Mar. 5	2,000
262	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Mar. 18	May 15	2,943
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Apr. 15	Apr. 18	1,399
223	42. CUTTING, H. O., Electric Signaling.	May 10	June 19	1,593
124	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Mar. 11	Mar. 11	2,293
253	44. SHAFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Mar. 7	Mar. 20	2,222
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Feb. 23	Feb. 23	2,539
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Apr. 11	Apr. 19	1,671
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Feb. 18	Mar. 15	2,652
212	48. ROEPKE, O. B., Electricity, General Applications.	Apr. 2	Apr. 2	1,420
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 31	June 27	1,281
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coatings.	Apr. 1	Apr. 5	2,789
240	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Mar. 26	Mar. 27	2,334
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	May 2	May 6	2,414
201	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	July 5	July 9	1,397
241	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Mar. 14	Mar. 13	2,584
102	55. BOWEN, S. T., (Bread, Pastry, and Confection Making; Cutlery.	Nov. 15	Nov. 28	368
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	Aug. 22	Aug. 22	520
257	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 11	Mar. 11	2,354
270	58. DOWELL, E. F., Abrading and Sanding; Typewriting.	Apr. 2	May 24	1,182
315	59. RICHARD, V. I., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Mar. 20	Mar. 20	1,362
213	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Mar. 11	Mar. 11	2,675
269	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Mar. 12	Mar. 18	2,421
245	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Mar. 25	Apr. 5	2,663
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND. (Trade-Marks.)	Nov. 13	Dec. 2	1,338
	(Labels and Prints.)	Nov. 23	Dec. 2	216

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE SCHWEYER

Decided December 2, 1929

1. APPLICATION—PROSECUTION—SUSPENSION.

The Patent Office is without authority to suspend the running of, or extend, the time fixed by statute within which response must be made to an action by the Office. It is only when the condition of the application is such as to require action by the Office that such action can be suspended.

2. SAME—SAME—SAME—BILL IN EQUITY UNDER 4915, REVISED STATUTES.

Where claims are rejected in view of an adverse decision by the Board of Appeals in an interference in which an application is involved, the filing of a bill in equity under the provisions of section 4915, Revised Statutes, is a proper response to that rejection, and there is no necessity for requesting the Office to suspend action on the application during the pendency of that suit.

REQUEST for suspension of action.

AUTOMATIC TRAIN CONTROL

Mr. Monroe E. Miller for the applicant.

KINNAN, First Assistant Commissioner:

The applicant has presented a request that action upon his application be suspended during the pendency and until the final determination of a suit brought under the provisions of section 4915, Revised Statutes, involving certain claims which have been denied him in view of an adverse decision in an interference.

In support of the request it is stated that the calendar of the court in which the suit has been filed, Southern District of New York, is such that a considerable time will elapse before the case is called for trial and determined.

[1] It is deemed proper to here emphasize and make clear the fact that this Office is without authority to suspend the running of or extend the time fixed by statute within which an action or reply must be made which is in response to an action by the Office. It is only when the condition of an application is such as to require action by the Office that such action can be suspended.

[2] Under the provisions of sections 4911 and 4915, Revised Statutes, an applicant whose claims have been denied for any reason, for example, lack of disclosure, inoperative construction, unpatentability over references, or because of an adverse judgment in an interference, may appeal directly to the Court of Customs and Patent Appeals, or, in the alternative, bring a bill in equity. In either case, after the direct appeal is filed and perfected, or the bill in equity is suitably filed, and the proper notice to the Commissioner has been placed of record, the application does not become abandoned by reason of any delay of the court in calling the case for trial and rendering a decision upon it. The completion of such appeal or suit in equity constitutes such proper prosecution of the case as its condition requires and there is no necessity for requesting this Office to

suspend action upon the application during the period of pendency of the appeal or the suit. The applicant should inform the Office, in connection with the filing of the suit, where it is filed and furnish its title and docket number.

In view of the foregoing the request for suspension, being unnecessary, is denied.

U. S. Court of Customs and Patent Appeals

IN RE HOLMES

No. 2,123. Decided Oct. 4, 1929

1. PATENTABILITY—HOISTING MECHANISM.

Certain claims for a hoisting mechanism *Held* unpatentable as involving nothing inventive over the disclosures of the prior art.

2. SAME—SAME.

A claim for a hoisting mechanism construed as including a motor for a rotatable drum and a housing rotatable with the drum *Held* patentable since it includes limitations not suggested by the prior art.

APPEAL from Patent Office. Reversed in part.

Mr. Louis A. Maxson and Mr. Herbert C. Kimball for Holmes.

Mr. T. A. Hostetter and Mr. Howard S. Miller for the Commissioner of Patents.

GARRETT, J.:

This is an ex parte appeal from a decision of the Board of Patent Appeals refusing to allow claims 4, 5, 6, 8, 10, 21, 22, 25, 26, 28, 29, 30, 31, 43, 59, and 61 in an application by Morris P. Holmes, No. 430,211, for patent on alleged inventions claimed to constitute an improvement in hoisting mechanisms.

The application was first heard by Examiner Merritt, who gave his final decision April 24, 1925. Sixty-one claims were made. Of these the Examiner allowed Nos. 7, 9, and 11 to 15, inclusive, and rejected all others. Appeal was thereupon taken to the Board of Patent Appeals, and after the disposition of certain motions not deemed necessary to be here related in detail, the application was decided by the Board on July 1, 1927. In his brief before the Board, appellant waived consideration of claims 1, 2, 3, 33, 34, 37, and 55 to 58, and the appeal was dismissed as to them. Claim 44 was amended and allowed as amended, and as to the others the decision of the Special Examiner was affirmed.

We accordingly have before us for determination the claims first enumerated above. These read as follows:

[Note.—Only claims 4, 28, 29, 30, and 59 are here printed.]

4. A hoisting mechanism comprising a drum, driving gearing therefor having axes parallel to the axis of the drum, and a motor operatively connected to said gearing and having a motor rotor shaft offset from and parallel to the axis of rotation of the drum, said motor being wholly enclosed in, rotatable with, and substantially symmetrical to said drum, and comprising further a pair of intermeshing fluid pressure operated rotors, one of which is fixed to said power shaft and rotates the latter.

28. A hoisting mechanism comprising drum means, and air actuated motor therefor having at least a portion there-

of disposed therein, means forming only a relatively fixed passage within said drum means for conducting air to said motor, means forming a closed chamber adjacent to one end of said motor, and means for transmitting power from said motor to said drum, including gears disposed within said closed chamber, said means which form the chamber being adapted to contain a lubricant and to keep the latter substantially out of communication with said motor.

29. A hoisting mechanism comprising rotatable drum means, means fixedly connected to said drum means forming a closed chamber within said drum means, the outermost end of said latter means being positively closed at the axial portion thereof, a motor therefor disposed outside of said chamber, and reduction gearing between said motor and drum means and having at least a portion disposed within said closed chamber, said gearing including a gear offset from the drum axis and carried by and outside of the member forming the outermost end of said chamber.

30. A hoisting mechanism comprising rotatable drum means, a motor therefor having a housing rotatable therewith, means rigidly connected to said drum means forming a closed chamber within said drum means, and reduction gearing between said motor and said drum means and having at least a portion disposed within said closed chamber, said chamber forming means substantially preventing direct communication between said motor and chamber.

31. As an article of manufacture, a hoisting drum having a plurality of overlapping cylindrical longitudinally extending bores therein, said bores overlapping at substantially the axis of said drum.

The references held by the Board of Appeals as showing prior art in considering the application are the following: Abbe, 1,110,995, September 15, 1914; Browning, 798,494, August 29, 1905; Holmes, 1,207,555, December 5, 1916; Tadey, 1,165,814, December 23, 1915; Howell, 660,686, October 30, 1900; Davenport, 1,110,313, September 15, 1914; Benson, 731,425, June 23, 1903; Backstrom, 572,946, December 15, 1896; McNamara, 742,721, October 27, 1903; German patent, 279,266 of 1914; Wild (British), 113,366 of 1918.

It is the view of the parties, as we understand from their respective briefs, that seven major questions are involved in this appeal, and they are succinctly stated in the brief for appellant:

I. Would invention be involved in substituting the motor of Holmes 1,207,555 for that of Browning 798,494? (The patentability of claims 4, 5, 6, 8, 10, 21, 22, 25, and 26 turns on this point).

II. Would invention be involved in substituting the motor of Holmes 1,207,555 for that of Tadey 1,165,814? (Claim 10 is concerned).

III. Is the feature of conducting fluid under pressure to an air motor, a portion at least of the motor being disposed within a drum, by way of a relatively fixed passage within the drum, anticipated by German patent 279,266? (Claim 28 is concerned).

IV. Does appellant's arrangement of reduction gearing present patentable features over the British patent to Wild 113,366 of 1918? (Claim 29 is concerned).

V. Is the feature of driving a drum by a motor whose casing is rotatable therewith and providing within the drum a gear chamber for the reduction gearing between the motor and drum anticipated by either Howell 660,686 or German patent 279,266? (Claims 30 and 31 are concerned).

VI. Is there invention in causing an integral part of the drum to project to provide a conduit so that pressure fluid may enter the motor without there being any necessity of packing within the drum, having regard to patents to Abbe 1,110,995 and Davenport 1,110,313? (Claim 43 is concerned).

VII. Is appellant entitled to the protection of claims to an article of manufacture defined as a hoisting drum having bores therein of a specified kind? The patents to Benson, Backstrom, Holmes, and McNamara were here alluded to by the Office. (Claims 59 to 61 are concerned.)

[1] We do not deem it necessary to attempt, in this opinion, to state in minute detail the readings which we have attempted to make in our study of the diagram accompanying the application and those accompanying the several patents cited as references. We have endeavored to analyze all parts of the several specifications and the illustrative drawings that seem to be applicable to the issues presented for our determination.

It seems to the court that the only differences in the claims involved in the first group, of which Number 4 is illustrative, from the references cited are, as stated in the brief of the Solicitor for the Patent Office "in specifying that the motor rotor shaft is offset from the axis of the drum, and that the motor comprises a pair of intermeshing fluid-pressure operated rotors.

In the specification of the Browning patent, 798,494, (transcript p. 66) in lines 109 to 112 it is said "although different means may be employed for conducting the steam, compressed air, gas or other driving agents to the various cylinders, we prefer (etc)", and Figures 5 and 6 of the accompanying drawings (trans. p. 81) illustrate the point. In the Holmes patent, 1,207,555, there is disclosure of a form of fluid-pressure motor including a pair of intermeshing fluid-pressure rotors, 6 and 6', illustrated in Figures 1 and 2 of the drawings, which, it seems to the court, obviously might be used in the manner specified in the applicable claims. In the matter of a form of gearing to connect the motor to the drum the Board of Appeals said:

So far as this group of claims is concerned the problem (of substitution) does not appear at all difficult in the light of the art cited. The applicant has merely mounted the motor of his patent, No. 1,207,555, inside a hoisting drum, as in Browning, making the casing of the same an integral part of the drum, this results in the location of the rotor shafts eccentric to the axis of rotation of the drum and raises the question of gearing such rotor shaft to a fixed member on the frame in order to rotate the drum and motor about the axis of the drum.

The opinion then proceeds to describe methods for accomplishing the result.

It seems to the court that the Solicitor for the Patent Office makes a fair statement relative to the controversy as to these phases when he says in his brief:

It may be pointed out that if substitution of the Holmes' motor in the Browning device, as obviously suggested by the Browning disclosure, produces an impractical device, so that modifications thereof which might be said to involve invention, such as higher engine speed, as intimated at the bottom of page 12 of appellant's brief, are necessary to produce a successful device, it is certain the rejected claim 4 gives no clue as to what such modifications requiring invention are, and accordingly falls to point out the alleged invention if any there be.

As to this group of claims, therefore, we do not think there is any error to be found in the decision of the Board of Appeals.

Claim 10 was also rejected on the prior patent to appellant in view of Tadey, 1,165,814, and we discern no error in this. It seems to us that the substitution of the intermeshing rotor type of motor for Tadey's motor is so obvious as not to require inventive skill, and falls within the classification relative to mechanical skill and construction.

Claim 28 was rejected on the German patent, 279,266, Abbe, 1,110,995, and Davenport, 1,110,313.

It seems to us that all the factors of claim 28 are included in the German patent, except, as is stated by the Solicitor for the Patent Office, "an air actuated motor" and "means forming only a relatively fixed passage within said drum means for conducting air to said motor." The German device appears to contemplate an electrically actuated motor, and the claim was originally rejected by the Ex-

aminer on the ground that no invention was involved in substituting an air motor for the electric motor of the reference for purposes of actuation. This, in our opinion, is a sound view. But were it erroneous, we think the specifications and illustrative drawings covered by both the Abbe and Davenport patents so clearly disclose "only a relatively fixed passage" for conducting air to the motor as to be a legitimate bar to this claim of appellant.

Claim 29 was rejected on a British patent, Wild, being 113,366 of 1918, the Board stating that the only feature distinguishing applicant's claim from Wild is in locating his (Wild's) gears *h* and *e* outside the plate *i* (Fig. 4, Wild, trans., p. 120) and that "no invention would be involved in so doing and there would be no difference in the result." It is noted that in the decision of the Examiner the German patent 279,268 of 1914 was also referred to, and that a further ground of rejection was "incoherency or indefiniteness," but we have considered the claim only in the light of Wild.

Appellant insists that his claim differs from the Wild patent in two particulars, viz:

1. The drum in the Wild disclosure is not closed at the axial portion thereof. The shaft *b* extends on through the end of the drum.

2. The gears *d*, *e*, *g*, and *h* are all in a common chamber, whereas the claim specifies that a portion be disposed within the closed chamber, but that one gear at least be carried by and be outside of the member forming the outermost end of the chamber.

As for the first alleged differentiation it appears from a study of the Wild Fig. 2 that it discloses a shaft *b* which fills the opening of the drum *c* which closes the chamber containing the gears, and we think the process whereby, in appellant's device, the closed chamber is formed by securing the end member 4 "fixedly" to the drum is a matter of skill in the art rather than of invention.

It is undoubtedly true that in Wild the gearing indicated by the letters *d*, *e*, *g*, and *h* is totally enclosed. The specifications (trans. p. 109) and the drawing Fig. 4 so show. It is also true that in the claim at issue and the illustrative drawing Fig. 6 it is shown that there is proposed an outer driving gear which is to mesh with the internal gear "so as to drive the drum in the manner set forth in the description of the hoisting mechanism." We are not convinced, however, that it is inventive merely to place certain of the gears outside rather than having them all enclosed, particularly in view of the fact that this causes no alteration in the final result.

[2] It seems to the court that there is a degree of indefiniteness in claim 30 which is confusing. The specific language to which we refer is "A hoisting mechanism comprising rotatable drum means, a motor therefor having a housing rotatable therewith." Does this mean that the housing rotates with the drum or with the motor? Appellant insists that it means the drum and the Examiner seems to have so interpreted it and held that the limitation was immaterial. The Board points out that "the claim does not make it clear whether the motor rotates with the drum or not," but adds that "the motor of the reference would operate if it were connected to the drum instead of to the frame." The reference is to the German patent, supra, to

Howell, 660,686, October 30, 1900, and to Benson, 731,425, June 23, 1903. Upon the whole language of the claim we are content to take appellant's interpretation as understood by the Examiner, and construe the language to mean a "motor whose housing is rotatable with the drum." Appellant insists that under this construction the Howell patent is obviously irrelevant and we think this is correct, since the Howell motor appears to be one which drives a drum by means of reduction gearing contained within the drum. In the German patent, however, it appears that there is member *s*, the left portion of which constitutes a housing for the motor *m* and that this motor-housing is rotatable with the drum, and the Examiner considered the combination in claim 30 unpatentable over the German patent, on the ground that a motor like that in Benson might be substituted for the German patent, while the Board holds out the idea that the motor *m* of the German patent might be connected to the drum instead of the frame.

Appellant argues upon these points that the patent to Benson discloses an engine carried by standards; that each of the valve shafts is provided with a pinion; that these pinions mesh with a stationary gear and that there is not the slightest suggestion from the patents themselves of replacing the motor of the German patent by a rotary engine of the type disclosed by Benson, which is adapted to drive a belt passed around its casing and has no arrangement for driving a set of gearing. He further insists that it would be a fundamental change in the hoisting mechanism of the German patent to connect the motor to the drum instead of to the frame, and that, even if the change were made, far-reaching alterations would have to be made or else there would be no possibility of driving the drum.

From our study and analysis of the drawings, processes of operation, etc., of the application and references, we have concluded that under the interpretation which we place upon claim 30 as to it being "limited to a motor whose housing is rotatable with the drum," we believe appellant's contentions are well founded and hold that No. 30 presents a patentable claim, and we think that No. 31 is so closely related to 30 as that it should also be allowed.

Claim 43 was rejected on either Abbe or Davenport, and we think correctly so, for practically the same reasons given in passing upon claim 28 and which will not be here repeated.

In passing upon claims 59 and 61, which were rejected on Benson, Backstrom, Holmes, McNamara, and also as defining only a fragment of an invention (referring to *Jay v. Weinberg*, 250 Fed. 469), the Board of Patent Appeals said:

We understand these claims to relate to the intersection of the two bores for the rotors of the motor as shown in Figs. 3 and 4. The arrangement is the same as in Fig. 2 of Holmes or Fig. 2 of Backstrom and to merely embody this motor as a part of the hoisting drum would not involve invention. These claims do not even define the function of the bores nor include anything cooperating therewith and there is nothing inventive in forming two intersecting bores in a hoisting drum or anything else.

We agree with the Board as to these claims. Examination of the decisions and authorities cited

by appellant, and analyzing them along with those cited by the Solicitor for the Patent Office, leads us to the conclusion that appellant's contention as to these claims is not well founded.

In accordance with this opinion the decision of the Board of Appeals is affirmed as to all claims at issue except Nos. 30 and 31 and as to these it is reversed.

Patent Suits.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,086,175, F. Hofman, Pocket fire or lighting appliance with pyrophoric metal, D. C., S. D. N. Y., Doc. E 45/22, *M. E. Bernhardt Co., Inc., v. U. R. Furstenberg et al.* Consent decree for plaintiff (notice Oct. 30, 1929).

1,125,476, G. Claude, System of illuminating by luminescent tubes, filed Oct. 30, 1929, D. C., S. D. N. Y., Doc. E 50/395, *Claude Neon Lights, Inc., v. Cronitona Food Shop, Inc.* Doc. E 50/396, *Claude Neon Lights, Inc., v. Shoe Rebuilders of America, Inc.* Doc. E 50/397, *Claude Neon Lights, Inc., v. N. Basescu (Bassons Picture Framing Co.).*

1,144,953, A. F. Ward, Method of making pan biscuits, filed Oct. 30, 1929, D. C., S. D. Calif. (Los Angeles), Doc. Q-57-J, *Bakeries Service Corp. v. Langendorf United Bakeries, Inc., et al.*

1,182,290, G. S. Melke, Rectifier and method of operating same; 1,266,517, same, Rectifier; 1,393,520, E. Friedrich, Inclosed-arc device and the method of starting same, D. C., N. D. Ohio (E. Div.), Doc. 2210, *General Electric Co., Inc., et al.* Claims 3, 4, 5, 7, and 8 of 1,182,290, claims 1, 6, 8, and 9 of 1,393,520, and all claims of 1,266,517 held valid and infringed Oct. 26, 1929.

1,242,872, 1,357,521, C. Saunders, Self-serving store; 1,297,405, same, Price-tagging means, filed Oct. 29, 1929, D. C., N. D. Okla. (Tulsa), Doc. E 509, *Piggly Wiggly Corp. v. M. A. Gash.*

1,266,210, H. E. Campbell, Support for steam radiators; 1,620,632, J. F. Broderick, Support for radiators; 1,725,730, J. H. Byrnes, Metal window, filed Oct. 28, 1929, D. C., N. D. Ohio (E. Div.), Doc. 3159, *Campbell Metal Window Corp. v. Truscon steel Co.*

1,266,517. (See 1,182,290.) 1,297,405. (See 1,242,872.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, D. C., S. D. Calif. (Los Angeles), Doc. P-27-H, *Alemite Mfg. Corp. v. Hockaday, Harlow & Phillips, Inc.* Decree of infringement Sept. 11, 1929.

1,307,734. (See 1,307,733.)

1,308,583, A. C. Dennis, Method of tunneling, filed Aug. 7, 1928, D. C., E. D. Wash. (Spokane), Doc. E 4341, *A. C. Dennis et al. v. Great Northern Ry. Co. et al.*

1,314,057, H. W. Graham, Brick mold; 1,509,079, J. P. Martin, Brick-machine mold, filed Oct. 28, 1929, D. C., S. D. N. Y., Doc. E 50/389, *Lancaster Iron Works, Inc., v. K. Goodsell et al.*

1,318,886, La Mar & Hopkins, Renewable electric fuse, filed Nov. 1, 1929, D. C., S. D. N. Y., Doc. E 50/402, *Great Western Fuse Co., Inc., v. Jefferson Electric Co.*

1,357,521. (See 1,242,872.)

1,360,256, 1,528,178, E. Anderson, Can opener, D. C., S. D. N. Y., Doc. E 44/359, *Star Can Opener Co. v. The Turner & Seymour Mfg. Co. et al.* Consent decree for plaintiff Oct. 29, 1929.

1,393,520. (See 1,182,290.)

1,447,090, J. E. Langsdorf, Necktie, filed Oct. 31, 1929, D. C., S. D. N. Y., Doc. E 50/398, *Franc-Strohmenger & Cowan, Inc., v. S. Bonan et al.* Same, filed Nov. 1, 1929, D. C., S. D. N. Y., Doc. E 50/400, *Franc-Strohmenger & Cowan, Inc., v. W. Cowan et al.* (London Cravat Co.).

1,509,079. (See 1,314,057.)

1,520,299, L. A. Marshall, Joy Road, D. C., S. D. Calif. (Los Angeles), Doc. P-79-J, *L. A. Marshall v. H. Roche, sr., et al.* Dismissed Sept. 17, 1929. Doc. P-82-J, *L. A. Marshall v. E. M. Lance.* Decree as above.

1,526,601, W. Hurlburt, Packing-ring compressor sleeve, filed Nov. 4, 1929, D. C., Mass., Doc. E 3174, *W. Hurlburt v. W. E. Greene.*

1,528,178. (See 1,360,256.) 1,567,065. (See 1,659,158.) 1,567,659. (See 1,659,158.)

1,579,753, M. P. Burke, Driving mechanism for oil-well rigs, D. C., S. D. Calif. (Los Angeles), Doc. E C-34-M, *M. P. Burke et al. v. Midway Iron Works, Inc.* Dismissed without prejudice Oct. 30, 1929.

1,590,982, E. B. Morris, Farrowing house, D. C., Iowa (S. Div.), Doc. E 4173, *M. L. Morris et al. v. T. Godwin.* Dismissed without prejudice Oct. 26, 1929.

1,618,767, R. R. Machlett, Manufacture of luminous electrical discharge tubes, appeal filed Oct. 31, 1929, C. C. A., 2d Cir., Doc. 10,674, *Rainbow Lights, Inc., v. Claude Neon Lights, Inc.*

1,620,632. (See 1,266,210.)

1,655,386, R. Craig, Apparatus for measuring space dimensions of objects, D. C., S. D. N. Y., Doc. E 50/352, *R. Craig v. G. Scherry Co., Inc.* Consent decree for plaintiff Oct. 28, 1929.

1,659,158, Oglesby & Ehrenfeld, Apparatus for dispersing irritants; 1,567,065, R. B. Lawrence, Article-carrying container; 1,567,659, same, Hand weapon; Re. 16,495, D. B. Bradner, Production of lachrymating gases; Re. 16,481, same, Method and apparatus for dispersing toxic and other irritant substances; Re. 17,365, Bradner & Oglesby, Process and apparatus for dispersing irritants, filed July 6, 1929, D. C., N. D. Ohio (E. Div.), Doc. 3037, *Federal Laboratories, Inc., v. The Lake Erie Chemical Co. et al.*

1,604,702, B. B. Dettel, Vanity case, appeal filed Oct. 29, 1929, C. C. A., 2d Cir., Doc. 10670, *B. B. Dettel v. A. E. Cohen.*

1,699,907, G. W. Newman, Record binder, D. C., S. D. N. Y., Doc. E 50/304, *Wilson-Jones Co. v. Endlok Parts Co., Inc.* Consent decree for plaintiff (notice Nov. 1, 1929).

1,701,555, R. H. Binns, Flexible closure, filed Oct. 29, 1929, D. C., S. D. N. Y., Doc. E 50391, *E. H. Binns v. North & Judd Mfg. Co.*

1,725,730. (See 1,266,210.) Re. 16,495. (See 1,659,158.) Re. 16,841. (See 1,659,158.)

Re. 17,131, O. S. Caesar, Heating apparatus for automotive vehicles, filed Oct. 24, 1929, D. C., Minn. (4th Div.), Doc. E 1445, *Tropic-Aire, Inc., v. Sears, Roebuck & Co.*

Re. 17,365. (See 1,659,158.)

Des. 72,487, E. Meyer, Woven fabric, filed Nov. 4, 1929, D. C., S. D. N. Y., Doc. E 51/16, *E. Meyer et al. v. S. L. Hoffman.* Doc. E 51/17, *E. Meyer et al. v. Puritan Garment Co., Inc.*

Des. 77,477, A. C. Ellshewitz, Imitation-straw-braid fabric for hats; Des. 77,478, same, Braid, appeal filed Oct. 28, 1929, C. C. A., 2d Cir., Doc. 10668, *J. Ellshewitz & Sons Co., Inc., v. Bronston Bros. & Co., Inc.*

Des. 77,478. (See Des. 77,477.)

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 24, 1929

[Vol. 389. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 286,355. FROST COAL COMPANY, Neponset, Mass. Filed June 29, 1929.



For Coal.
Claims use since April, 1926.

Ser. No. 289,566. BLACKWOOD COAL & COKE COMPANY, Philadelphia, Pa. Filed Sept. 10, 1929.



The trade-mark consists in a plurality of green specks of irregular size on the surface of the lumps, no claim being made to the lump of coal per se.

For Coal.
Claims use since Aug. 28, 1929.

Ser. No. 291,005. HAGERSTOWN LEATHER CO., INC., Hagerstown, Md. Filed Oct. 12, 1929.



The words "Oak Soles" are disclaimed apart from the mark as shown in the drawing.
For Leather.
Claims use since Oct. 1, 1929.

CLASS 2

Receptacles

Ser. No. 276,459. SCHALL & CIE., Paris, France. Filed Dec. 8, 1928.

MONTRAL

For Empty Boxes and Cases Adopted to Contain Powders Such as Face Powder, Talcum Powder; Creams Such as Face Creams; Rouge, Lip Sticks, and Other Toilet Articles or Preparations.
Claims use since Jan. 27, 1928.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 290,532. DEWITT VAN EVERA, Chicago, Ill. Filed Oct. 2, 1929.

THE VILLAGE LEATHER SHOP

Applicant disclaims the term "Leather Shop" apart from the mark as shown in the drawing.

For Leather-Covered Goods and Articles Such as Leather-Covered Trunks, Leather Suitcases, Leather Portfolios, Leather Pocketbooks, Leather Letter Containers, Leather Pocket Cardcases, Leather Key Cases, Manuscript Portfolios, Leather Hat Cases, Leather Gladstone Cases, Leather Hand Bags, Leather Underarm Bags, Leather-Covered Wardrobe Trunks, Leather-Covered Wardrobe Cases, Leather-Covered Automobile Trunks, Leather Tourists' Bags, Portable Leather-Covered Army Lockers, Leather-Covered Juvenile Cases, Saddles, Harness.

Claims use since Sept. 1, 1929.

Ser. No. 291,471. OLIVER BAKER MANUFACTURING COMPANY, Minneapolis, Minn. Filed Oct. 23, 1929.

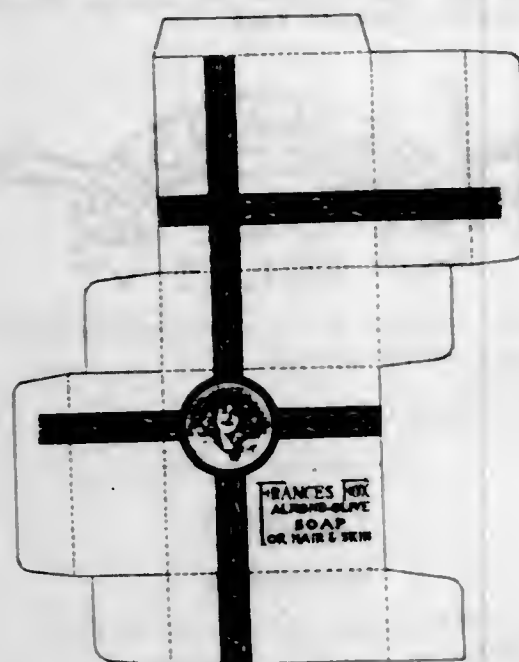
KEYVENIENT

For Key Cases Constructed Principally from Either Leather, Leatheroid, or Fabric.
Claims use since Oct. 10, 1929.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 270,697. FRANCES FOX LABORATORIES INCORPORATED, Ridgewood, N. J. Filed Aug. 7, 1928.



The words "Almond-Olive Soap for Hair and Skin" and the full and dotted lines surrounding the trade-mark serving to illustrate an unfolded carton, and the lines of fold, respectively, not being herein claimed apart from the mark shown, and the picture being purely fanciful.

For Soap for Hair and Skin.
Claims use since June 23, 1928.

Ser. No. 287,819. HOLD-GLOSS, INC., New York, N. Y. Filed July 29, 1929.



That the feature originally shown in the drawing, but now sought to be eliminated therefrom—Namely, the

representation of a face considered either alone or as a part of the mark originally shown in the drawing—is deemed by the applicant to be neither material nor essential. That the applicant disclaims the right to the exclusive use of the above identified feature upon goods of the same descriptive properties.

For Brass and Copper Polish.
Claims use since 1925.

Ser. No. 288,939. UNITED PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Aug. 23, 1929.



For Benzine Soaps.
Claims use since June, 1928.

Ser. No. 288,940. UNITED PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Aug. 23, 1929.



For Benzine Soaps.
Claims use since June, 1928.

Ser. No. 288,941. UNITED PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Aug. 23, 1929.



For Benzine Soaps.
Claims use since June, 1928.

Ser. No. 291,228. HOWARD B. LAMBERT, doing business as Universal Solvent Company, Philadelphia, Pa. Filed Oct. 18, 1929.

UNISOL

For Cleanser for Removing Grease, Dirt, Oil, Soot, Carbon, and Other Stains. It may be Used for the Hands as Well as for Cleaning Fabrics, Marble, Porcelain, Clothing, Copper, Brass, Silver, Varnished and Polished Surfaces.
Claims use since July 6, 1929.

Ser. No. 291,285. MORTON MANUFACTURING CORPORATION, doing business as Blair Laboratories, Lynchburg, Va. Filed Oct. 19, 1929.



No claim is made to the term "Tropical Oil Soap" apart from the mark as shown.
For Soap.
Claims use since June, 1922.

Ser. No. 291,298. IRVING STERNBERG, doing business as French Chemical Co., Brooklyn, N. Y. Filed Oct. 19, 1929.



The word "Hollywood" is disclaimed apart from the mark as shown in the drawing.
For Shoe Polishers, Shoe Dressings and Shoe-Cleaning Compositions.
Claims use since Aug. 1, 1925.

Ser. No. 291,578. CARRIE H. RAMBONNET, doing business as Mar-Vel-O Company, Chicago, Ill. Filed Oct. 25, 1929.



The words "Cleanses Everything" are disclaimed as part of the trade-mark.

For a Preparation for Cleaning Woodwork, Painted and Enameled Surfaces, Metal Ware, China, Glass, Crockery, Earthenware, Porcelain, and Tiling.
Claims use since June 1, 1920.

Ser. No. 291,802. SOLSHINE MANUFACTURING COMPANY, Boston, Mass. Filed Oct. 30, 1929.



For Polish for Silverware, Metal, and Glass.
Claims use since February, 1897.

Ser. No. 292,029. CONTINENTAL MACHINERY AND SUPPLY COMPANY, Los Angeles, Calif. Filed Nov. 5, 1929.

"CASTRO"

For Belt Dressing.
Claims use since about Oct. 25, 1929.

CLASS 5

Adhesives

Ser. No. 261,846. TRAGASOL PRODUCTS LIMITED, Hooton, near Birkenhead, England. Filed Feb. 17, 1928.

GUM TRAGASOL

Applicant is the owner of registration No. 90,805.
For Vegetable Muilage of Hemicellulose Constitution.
Claims use since on or about May 23, 1893.

Ser. No. 261,848. TRAGASOL PRODUCTS LIMITED, Hooton, near Birkenhead, England. Filed Feb. 17, 1928.

TRAGON

Applicant is the owner of registration No. 106,964. For Vegetable Mucilage of Hemicellulose Constitution. Claims use since on or about Jan. 22, 1924.

Ser. No. 291,217. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Oct. 18, 1929.

RED LINE

The line shading in the drawing denotes the color red. For Adhesives—Namely, Cold Patching Tube Gum, Cold Rubber-Patching Cement, and Quick-Cure Rubber Cement. Claims use since July 15, 1929.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 256,780. ROBERT JOHN, Long Branch, N. J. Filed Oct. 29, 1927.

Nugo

For Liquid Carbon Remover. Claims use since Oct. 14, 1927.

Ser. No. 270,840. JOHN HEILAND CO., Chicago, Ill. Filed Aug. 10, 1928.

HEILAND'S



The portrait is that of John Heiland, the deceased founder of the corporation.

For Foot Powder, Damiana, Liver Pills, Preparation for Corns, Headache Powders; Liniment for Rheumatism, Neuralgia, Swellings, Sprains, Bruises, Stiff Joints, Lamé Back, Nervous Headache; Also Sprains, Bruises, Galls, and All Bone and Muscle Ailments Peculiar to Animals. Claims use since Apr. 4, 1907.

Ser. No. 273,619. BARIUM REDUCTION CORPORATION, Charleston, W. Va. Filed Oct. 10, 1928.

SODIUM SULPHIDE STRIPS

No claim being made to the common initial "S" nor to the words "Sodium, Sulphide," or "Strips" apart from the association thereof shown on the drawing. For Sodium Sulphide. Claims use since Aug. 29, 1928.

Ser. No. 275,292. PARFUMERIE ROGER ET GALLET, SOCIÉTÉ ANONYME, Paris, France. Filed Nov. 14, 1928. Under 10-year proviso.



The signature appearing on the drawing is the facsimile signature of Jean Marie Farina, deceased, manufacturer of eau de cologne and perfumery who did business under that name in Paris, at 333 Rue St. Honore, from 1806 on. The words "Eau de Cologne" and "Roger & Gallet Successeurs" are disclaimed apart from the mark as shown on the drawing.

For Perfumes, Toilet Waters, and Perfumery. Claims use since 1806.

Ser. No. 277,099. DR. A. C. DANIELS INC., Boston, Mass. Filed Dec. 22, 1928.

KATONIC

For Cat Medicine. Claims use since Aug. 31, 1923.

Ser. No. 283,763. STÉ DES OCRES DU MIDI, Paris, France. Filed May 9, 1929.

SOMGAR

For Raw Ochres, Pigments for General Use. Claims use since Dec. 15, 1928.

Ser. No. 283,852. ELMER A. ALLAWAY, Sioux City, Iowa. Filed May 11, 1929.

THA-BAST

For Hair Tonic. Claims use since Apr. 1, 1929.

Ser. No. 289,419. JOSEPH CLEMENT POWELL, doing business as Podolac Co., Charlotte, N. C. Filed Sept. 6, 1929.

PO-DO-LAC

For External Medicinal Preparation for a Dusting Powder for Prickly Heat, Nettle Rash, Tender Feet, Etc. Claims use since June 1, 1929.

Ser. No. 289,654. THE TILDEN COMPANY, New Lebanon, N. Y. Filed Sept. 11, 1929.

FIROLYPTOL

For Medicinal Preparation for Tuberculosis and Kindred Diseases. Claims use since December, 1900.

Ser. No. 289,791. MARCELLENE CHEMICAL COMPANY, Richmond, Va. Filed Sept. 14, 1929.



The picture of the girl is fanciful. For Hair and Toilet Preparations—Namely, Hairdressing, Hair Pomade, a Preparation for Giving a Gloss to Hair, Pressing Oil, Vanishing Cream, Cold Cream, Quinine, Hair Tonic, Shampoo, Perfume, Face Powder, Rouge, Beauty Cream, Lemon Skin Cream. Claims use since 1919 on hair dressing; since February, 1928, on all other products mentioned.

Ser. No. 289,885. I. G. FARBEINDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main, Germany. Filed Sept. 17, 1929.

Racedrin

For Medicinal Preparations for the Treatment of Asthma, Hay Fever, and Bronchitis. Claims use since about June 1, 1929.

Ser. No. 289,959. EDWARD FRANCIS BEISS, doing business as Oxyllite Co., Hartford, Conn. Filed Sept. 19, 1929.

OXYLITE

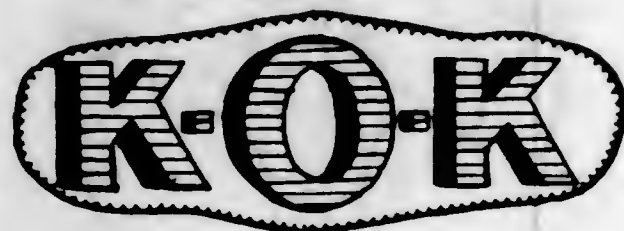
For Sedative and Analgesic Medicine for Arthritis, Neuritis, and Rheumatic Pains. Claims use since March, 1928.

Ser. No. 290,141. NEET, INCORPORATED, St. Louis, Mo.
Filed Sept. 23, 1929.

Immac

For Depilatory.
Claims use since Aug. 13, 1919.

Ser. No. 290,445. PAUL BIANCONI, doing business as
K-O-K Cleanser Company, Columbus, Ohio. Filed Oct.
1, 1929.



The color lining in said drawing indicates shading only.
For Chemical Washing Fluid for Use in Bleaching, Re-
moving Stains, and Sterilizing Clothes.
Claims use since Sept. 1, 1926.

Ser. No. 290,573. MOLLY MOIRA HOGAN, New York, N. Y.
Filed Oct. 3, 1929.

MOLLY MOIRA

For Hair Tonic, Shampoo, Hair Oil, and Hair Pomade.
Claims use since Jan. 21, 1919.

Ser. No. 290,748. LEWIS J. RUSKIN, doing business as
Faber Neophen Company, Chicago, Ill. Filed Oct. 7,
1929.

Neophen

For Internal Medical Preparations in Powdered and
Tablet Form for Headache, Migraine, Toothache, Dysmenor-
rhea, Rheumatism, Neuralgia, Neuritis, Colds, and In-
fluenza.

Claims use since Jan. 5, 1928.

Ser. No. 290,774. ABERLYONS LABORATORIES, INC., New
York, N. Y. Filed Oct. 8, 1929.



The drawing being stippled for the purpose of indicat-
ing shading, no claim being made to the exclusive use
of the words "Energy, Vitality," and "New York" apart
from the mark shown in the drawing.

For Preparation Consisting of Dried Liver and Natural
Salts to be Used as a Tonic and for the Relief of Goitre
and Similar Disturbances.

Claims use since Sept. 25, 1929.

Ser. No. 291,117. GERTRUDE B. CRAWFORD, doing business
as Rid-Um Exterminating Co., Flint, Mich. Filed Oct.
16, 1929.

RID-UM

For Insecticides.
Claims use since Dec. 27, 1928.

Ser. No. 291,151. UNITED FIREPROOFING CORP., New York,
N. Y. Filed Oct. 16, 1929.



For Fireproofing Solutions and Chemicals.
Claims use since about the year 1899.

Ser. No. 291,152. UNITED FIREPROOFING CORP., New York,
N. Y. Filed Oct. 16, 1929.

WHITE FIREMAN

For Fireproofing Solutions and Chemicals.
Claims use since about the year 1899.

Ser. No. 291,182. RENEE THORNTON, New York, N. Y.
Filed Oct. 17, 1929.

Renee Thornton

The drawing represents a facsimile representation of
the applicant's own signature.

For Astringents, Astringent Cerates, Almond Meal,
Bleach Creams, Cleansing Creams, Cold Creams, Com-
plexion Creams, Face Creams, Pore Creams, Vanishing
Creams, Brown-Skin Face Powders, Cerates for Use as a
Skin Cleanser and to Improve the Complexion, Complexion
Powders, Face Powders, Talcum Powders, After-Shaving
Lotions, Cosmetic Lotions, Hand Lotions, Skin Lotions,
Liquid Scalp Cleanser for the Prevention of Dandruff
and for Producing a Healthy Scarf Skin Upon the Scalp,
Skin Tonics, Hair Oils, Muscle Oils, Shampoos, Hair
Tonics, Bath Salts, Dry Rouges, Liquid Rouges, Face
Bleaches, Face Packs, Powder and Rouge Compacts, Eye-
brow and Eyelash Growers, Eyebrow Pencils, Lip Sticks;
Rusmas, a Depilatory for the Removal of Superfluous
Hair; Toilet Waters, Perfumes, and Solid Perfumes.

Claims use since Jan. 10, 1927.

Ser. No. 291,275. BENJAMIN T. KIRCHER, Mantua, N. J.
Filed Oct. 19, 1929.

"BEN'S"

For Medical Preparation Used in the Treatment of Hog
Cholera.

Claims use since Oct. 4, 1929.

Ser. No. 291,406. PHILADELPHIA MAGNESIA COMPANY,
Philadelphia, Pa. Filed Oct. 22, 1929. Under 10-year
proviso.

FETTERS



For Effervescent Solution of Magnesia.
Claims use since 1875.

Ser. No. 291,412. AQUILINO SUAREZ RIVERO, doing business
as Pyroneutrol Co., New York, N. Y. Filed Oct. 22, 1929.

Pyroneutrol

For Medicinal Preparation Used in the Treatment of
Acidity of the Digestive Organs.
Claims use since Sept. 1, 1929.

Ser. No. 291,434. BON VINO PRODUCTS, INC., Buffalo, N. Y.
Filed Oct. 23, 1929.



Applicant disclaims the exclusive use of the words "Bon
Vino" apart from the mark shown in the drawing.

For Medicinal Tonic Having a Wine Base and Used in
the Treatment of Anemia, Neurasthenia, Convalescence,
and to Stimulate the Appetite, Aid Digestion, Rejuvenate
the System, and Maintain Health, Strength, and Vitality.

Claims use since Sept. 23, 1929.

Ser. No. 291,497. BONIDE CHEMICAL CO. INC., Utica, N. Y.
Filed Oct. 24, 1929.

TOPZOL

For Squill Compound for Killing Rats and Mice.
Claims use since Aug. 3, 1929.

Ser. No. 291,651. ABBOTT LABORATORIES, North Chicago,
Ill. Filed Oct. 28, 1929.

BROMINOL

For Brominized Oils for Radiographic Visualization.
Claims use since Mar. 1, 1929.

Ser. No. 291,702. TROY CHEMICAL CO., INC., Binghamton,
N. Y. Filed Oct. 28, 1929.

SAVOL

For Liniment for the Treatment of Abrasions, Bruises,
Sprains, and Injuries Which may be Reached Externally
by a Liquid Medicament Affecting Both Humans and
Domestic Animals.

Claims use since January, 1928.

Ser. No. 291,703. THE TILDEN COMPANY, New Lebanon, N. Y. Filed Oct. 23, 1929. Under 10-year proviso.

BROMOCHLORALUM

For Deodorizers and Disinfectants with Styptic, Antiseptic, and Alterative Qualities.
Claims use since June 1, 1871.

Ser. No. 291,745. WILLIAM L. SWARTZ, doing business as The Pal. O. Mor. Co., Pittsburgh, Pa. Filed Oct. 29, 1929.

PAI. O. MOR.

For Capsules for Treating Headaches.
Claims use since August, 1920.

Ser. No. 291,753. ALLAN & CO., INC., St. Louis, Mo. Filed Oct. 30, 1929.

MOE PEP

For Medicinal Tonic Used for Giving Vigor and Increasing Strength of the Human System.
Claims use since Jan. 1, 1926.

Ser. No. 291,788. TULLY J. POMERANCE, doing business as Karl Laboratories, Detroit, Mich. Filed Oct. 30, 1929.

VAPYN

For Inhalant Liquids for Nasal Congestion.
Claims use since Sept. 10, 1929.

Ser. No. 291,791. WILLIAM H. ROBER, INC., Philadelphia, Pa. Filed Oct. 30, 1929.

DIGICARDIUM

For Medicine for Heart Affections.
Claims use since Mar. 22, 1927.

Ser. No. 291,827. THE HILEX COMPANY, St. Paul, Minn. Filed Oct. 31, 1929.

DI-ZO

For Cleaning Compound, Bleach, Disinfectant, Deodorant, and Antiseptic.
Claims use since June 18, 1929.

Ser. No. 291,852. WAYLAND-LLOYD CO. INC., Providence, R. I. Filed Oct. 31, 1929.

WAYCALT

For Dyestuffs.
Claims use since Oct. 1, 1929.

Ser. No. 291,865. BENZIT AKTIENGESellschaft, Berlin, Germany. Filed Nov. 1, 1929.



BENZIT

For Chemical Preparations Containing Soda Used for Washing and Bleaching.
Claims use since Nov. 27, 1928.

Ser. No. 291,914. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Nov. 2, 1929.



BLAECAN

No claim is made to any word appearing on the attached drawing except the words "Du Pont" and "Blaecan" apart from the mark shown.

For Dyes and Dyestuffs.
Claims use since June 7, 1923.

Ser. No. 291,983. EDWARD A. HENSKE, doing business as Kin-Septic Company, St. Louis, Mo. Filed Nov. 4, 1929.



For Skin Antiseptic.
Claims use since Oct. 23, 1929.

Ser. No. 292,007. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Nov. 4, 1929.

Lady Alice

For Domestic Ammonia and Liquid Bluing.
Claims use since about November, 1923, and on items of application about Oct. 21, 1929.

Ser. No. 292,030. CORNELL DRUG STORES INC., New York, N. Y. Filed Nov. 5, 1929.



For Cough Medicine.
Claims use since about Sept. 1, 1929.

Ser. No. 292,098. FAIRCHILD BROS. & FOSTER, New York, N. Y. Filed Nov. 7, 1929.

SENSITOSE

For Purified Soluble Physiologically-Hydrolyzed Protein Prepared from the Coagulable Proteid of Fresh Milk to be Used for Experimental, Technical, and Clinical Purposes.
Claims use since Oct. 19, 1929.

Ser. No. 292,105. WILLIAM E. GRANT, doing business as Peace Medical Company, Lancaster, Pa. Filed Nov. 7, 1929.

Laigiene

For Vaginal Douche.
Claims use since Aug. 21, 1929.

Ser. No. 292,133. HENRY K. WAMPOLE AND COMPANY, INCORPORATED, Philadelphia, Pa. Filed Nov. 7, 1929.

FOSFO-LECITINA

For Tonic Used in the Treatment of All Cases in Which Glycerophosphates with Strychnine and Lecithin are Indicated—Namely, Impoverished or Depressed Conditions of the Nervous System.
Claims use since 1904.

Ser. No. 292,189. THE VITALAIT LABORATORY OF CALIFORNIA, INC., Pasadena, Calif. Filed Nov. 8, 1929.

OVESTRUMON

For Extract of Whole Ovaries and Corpus Luteum Containing Estrus-Producing Hormones with the Hormones Present in Corpus Luteum for the Treatment of Ovarian Disorders.
Claims use since Oct. 23, 1929.

Ser. No. 292,214. THEO. A. KOCHS COMPANY, Chicago, Ill. Filed Nov. 9, 1929.

Quinigloss

For Hairdressing.
Claims use since July, 1929.

Ser. No. 292,228. THE PEPSODENT CO., Chicago, Ill. Filed Nov. 9, 1929.

Pepsodent

For Antiseptics.
Claims use since Oct. 23, 1929.

Ser. No. 292,257. ISA. DANIELS, Kansas City, Mo. Filed Nov. 11, 1929.

No Name



The trade-mark consists of a portrait of the applicant. For Preparation for Treating Hair and Scalp.
Claims use since Apr. 10, 1929.

Ser. No. 292,258. DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Nov. 11, 1929.

ORCH-OL

For Medicinal Preparation Designed for Dysfunctions of the Orchic Gland.
Claims use since Sept. 1, 1929.

Ser. No. 292,259. DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Nov. 11, 1929.

OVAR-OL

For Medicinal Preparation Designed for Dysfunctions of the Whole Ovarian Gland.
Claims use since Sept. 1, 1929.

Ser. No. 292,260. DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Nov. 11, 1929.

CORPOR-OL

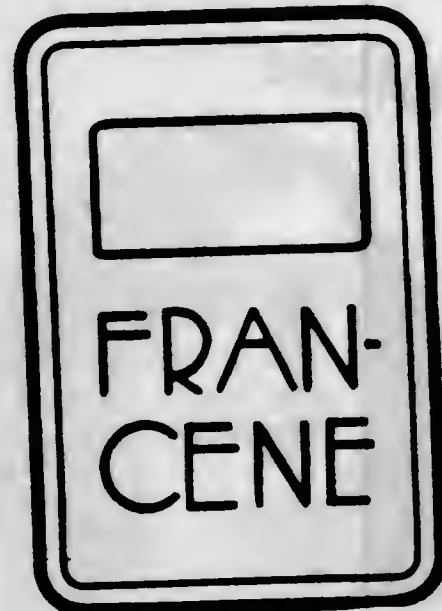
For Medicinal Preparation Designed for Dysfunctions of the Corpus Luteum.
Claims use since Sept. 1, 1929.

Ser. No. 292,284. LEONARD J. PICCOLI, doing business as Leonard Research Laboratories, New York, N. Y. Filed Nov. 11, 1929.

PREVENTACOL

For Preparations for the Prevention and Treatment of Colds and Certain Irritations of the Respiratory, Intestinal, and Urinary Systems.
Claims use since Sept. 10, 1928.

Ser. No. 292,317. FRANCENE INCORPORATED, New York, N. Y. Filed Nov. 12, 1929.



For Cosmetics and Toilet Accessories in Liquid, Powder, Cream, and Paste Form—Namely, Toilet Water, Talcum Powder, Skin Lotion, Shampoo, Astringent, Perfume, Tissue Cream, Lemon Cream, Beauty Cream, Bleaching Cream, Cleansing Cream, and Base Cream.
Claims use since Nov. 1, 1929.

Ser. No. 292,375. E. R. SQUIBB & SONS, New York, N. Y. Filed Nov. 13, 1929.

NEOPHEN

For Home and Hospital Antiseptic.
Claims use since Nov. 9, 1929.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 291,039. WALES NOVELTIES CORPORATION, New York, N. Y. Filed Oct. 12, 1929.

Wales **TRIMPAK**

For Cigarette and Cigar Cases.
Claims use since Oct. 7, 1929.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 291,850. VULCAN MATCH CO., INC., New York, N. Y. Filed Oct. 31, 1929.



No claim being made to the exclusive use of the outline of the label nor of the use of the words "Safety Matches, Made in Sweden" apart from the mark as shown in the drawing. The lining of the sundial shown in the drawing is intended to indicate shading only.

For Matches.
Claims use since Sept. 4, 1929.

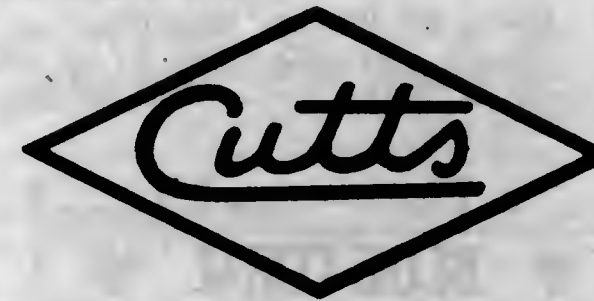
Ser. No. 291,851. VULCAN MATCH CO., INC., New York, N. Y. Filed Oct. 31, 1929.



No claim being made to the exclusive use of the outline of the label nor of the words "Safety Matches, Made in Sweden" apart from the mark as shown in the drawing. The lining of the bar on the chevron shown in the drawing is intended to indicate shading only.

For Matches.
Claims use since Sept. 4, 1929.

Ser. No. 292,815. RICHARD M. CUTTS JR., Quantico, Va. Filed Nov. 12, 1929.



The trade-mark is the facsimile signature of the proprietor.

For Compensator for Firearms.
Claims use since on or about Jan. 1, 1929.

CLASS 10

Fertilizers

Ser. No. 290,779. FALLING SPRING LIME COMPANY, INC., Covington, Va. Filed Oct. 8, 1929.



For Composition of Matter Used as a Soil Conditioner.
Claims use since Aug. 26, 1929.

CLASS 12

Construction Materials

Ser. No. 290,830. THE GIBSON-HOMANS WESTERN COMPANY, Kansas City, Mo. Filed Oct. 9, 1929.

BLACK GOLD

For Protective Coating for Roofs in the Form of a Viscous Asphaltic Material.

Claims use since Aug. 1, 1929.

Ser. No. 291,421. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio. Filed Oct. 23, 1929.

WALTONE

For Colored Gypsum Stucco Including Exterior Colored Stucco and Interior Colored Plaster.
Claims use since Oct. 17, 1929.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 290,948. FAGLEY & HALPEN, Philadelphia, Pa. Filed Oct. 11, 1929.

BABY GRAND

For Combination Utensils Having the Function of Dishwashers.

Claims use since Sept. 11, 1929.

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CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 277,802. WILLIAM LANGBEIN BROS., Brooklyn, N. Y. Filed Dec. 28, 1928.

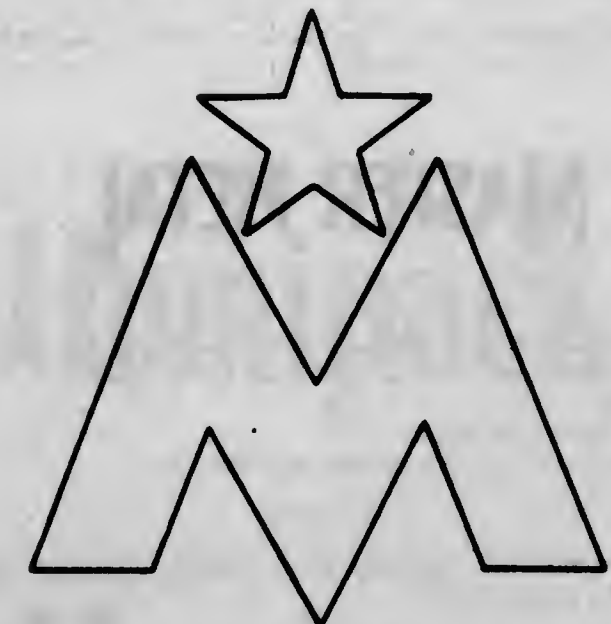
PLAT-CHROME

Applicant disclaims the word "Chrome" apart from the other part of the mark.

For Raw and Unfinished Ferrous, Nonferrous, and Metal Alloy Castings and Forgings.

Claims use since Oct. 1, 1927.

Ser. No. 288,861. THE MIDVAL COMPANY, Philadelphia, Pa. Filed Aug. 22, 1929.



For Steel and Iron Castings, Forgings, Ingots, Billets, and Bars.
Claims use since on or about Aug. 14, 1929.

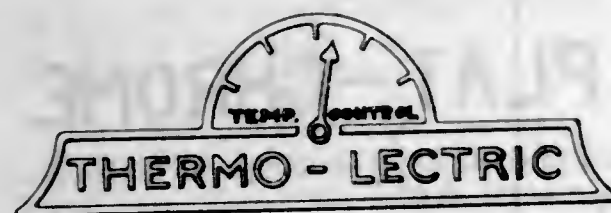
Ser. No. 290,334. BENJAMIN WOLFF & COMPANY, Chicago, Ill. Filed Sept. 28, 1929.



The lining on the drawing is for shading purposes only. The word "Steel," the geographical term "Chicago," and the word "Service" on the drawing are disclaimed apart from the mark shown.

For Sheet Steel.
Claims use since May 1, 1929.

Ser. No. 291,333. JAMES A. HALL, doing business as Electric Babbitt Metals Company, Los Angeles, Calif. Filed Oct. 21, 1929.



No claim is made to the words "Temp. Control" apart from the mark shown.
For Babbitt Metal.
Claims use since first part of December, 1928.

Ser. No. 291,409. REYNOLDS METALS COMPANY, Louisville, Ky. Filed Oct. 22, 1929.

MASTER METAL

The word "Metal" does not form a part of the registration sought apart from the trade-mark shown in the drawing.
For Aluminum Solder.
Claims use since about Aug. 15, 1928.

Ser. No. 291,769. ILLINOIS ZINC COMPANY, Chicago, Ill. Filed Oct. 30, 1929.

ERAYDO

For Zinc Alloy Sold in Sheets and Strips.
Claims use since Oct. 19, 1929.

Ser. No. 291,927. NATIONAL-ERIE COMPANY, Erie, Pa. Filed Nov. 2, 1929.

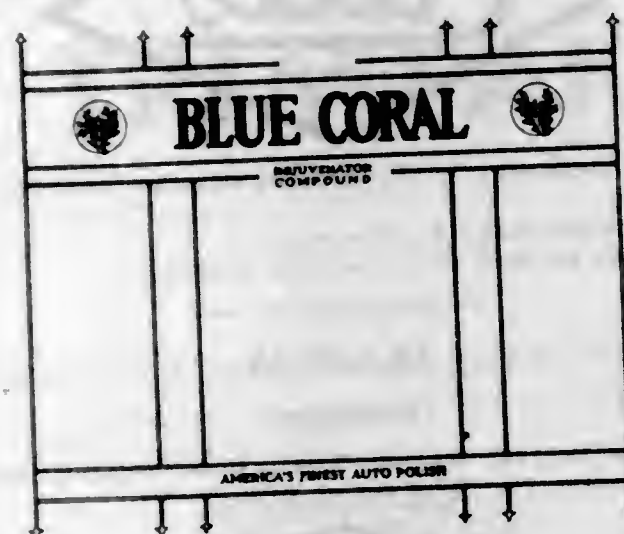


For Ferrous Castings.
Claims use since on or about Mar. 1, 1929.

CLASS 16

Paints and Painters' Materials

Ser. No. 282,207. HARRY D. TRIANTAFILLU, doing business as H. D. T. Company, Factors, White Plains, N. Y. Filed Apr. 10, 1929.



No claim being made to the words "Compound" and "America's Finest Auto Polish."
For Polish for Automobiles and All Duco, Lacquered, Varnished, or Baked-Enamel Finishes.
Claims use since July, 1927.

Ser. No. 285,535. SOLAR PRODUCTS COMPANY, Chicago, Ill. Filed June 13, 1929.

KLEEN-SLICK

For Automobile and Furniture Polish.
Claims use since May 23, 1929.

Ser. No. 289,968. DURABLE PAINT COMPANY, INC., Brooklyn, N. Y. Filed Sept. 19, 1929.



DURHIDE

No claim is made to the exclusive use of the words "Durable Paints" apart from the mark shown in the drawing.
For Dry, Ready-Mixed, and Paste Paints.
Claims use since on or about May 15, 1929.

Ser. No. 290,863. TWIN CITY SHELLAC CO. INC., Brooklyn, N. Y. Filed Oct. 9, 1929.

SCIR-A-LAC

The word "Lac" apart from the mark shown on the drawing is disclaimed.
For Lacquer and Varnish.
Claims use since Sept. 10, 1929.

Ser. No. 291,022. DELFO PERRUCCI, doing business as Phoebus Chemical Co., New York, N. Y. Filed Oct. 12, 1929.

TOT

No claim being made to the exclusive use of the words "Perfect Polish" apart from the mark as shown in the drawing.

For Polish for Automobiles, Furniture, Woodwork, Floors, and All Painted, Varnished, or Enamel Surfaces.
Claims use since December, 1927.

Ser. No. 291,108. THE ARCO COMPANY, Cleveland, Ohio. Filed Oct. 16, 1929.

WHOOPEE

For Polishing Compound for Automobile Bodies, Furniture, Woodwork, Metals, and Painted and Varnished Surfaces.
Claims use since Oct. 9, 1929.

Ser. No. 291,321. CAPITOL PAINT & VARNISH WORKS, Chicago, Ill. Filed Oct. 21, 1929.

CAPCO

For Ready-Mixed Paints, Paint Enamels, Varnishes, Lacquers, Wood Stains, Prepared Shellacs, Colors in Oil, and Paints in Paste Form with Thinning Liquids Designed for Use Therewith.
Claims use since Sept. 4, 1929.

Ser. No. 291,486. ULTRA CHEMICAL COMPANY, New York, N. Y. Filed Oct. 23, 1929.



For High-Heat-Resisting Aluminum Powder for Use as Paint Pigment.
Claims use since Oct. 1, 1929.

Ser. No. 291,704. GEORGE E. UNDERHILL, doing business as C-Dar-Flo Manufacturing Co., Fort Wayne, Ind. Filed Oct. 28, 1929.

C-DAR-FLO

For Paint for Clothes Closets, Chests, Drawers, and Storage Rooms for Clothes and Furs.
Claims use since October, 1928.

CLASS 17

Tobacco Products

Ser. No. 286,594. ROSSI CIGAR CO., Oakland, Calif. Filed July 8, 1929.

TOSCANELLI

The name "Toscanelli" refers to Paolo del Toscanelli, Italian astronomer, deceased 1482.
For Cigars.
Claims use since June 1, 1929.

Ser. No. 291,623. FRANK P. LEWIS CIGAR CO., Peoria, Ill. Filed Oct. 26, 1929.

Humipack

For Cigars.
Claims use since Apr. 9, 1929.

Ser. No. 291,624. FRANK P. LEWIS CIGAR CO., Peoria, Ill. Filed Oct. 26, 1929.

Humicase

For Cigars.
Claims use since Apr. 9, 1929.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 284,455. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed May 27, 1929.



No claim is made to the use of the word "Marquette" except as the word is associated with the other features of the mark in the manner illustrated in the drawing. The drawing is lined to indicate the colors red and black.
For Automobiles and Structural Parts Thereof.
Claims use since May 1, 1929.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 291,251. YAWGO LINE & TWINE COMPANY, Rockville, R. I. Filed Oct. 18, 1929.

OLYMPUS

For Tarred Cod Lines, Tarred Halibut Lines, and White Cotton Fishlines.

Claims use since Aug. 31, 1926.

Ser. No. 291,549. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., and Wilmington, Del. Filed Oct. 25, 1929.

AU-TO-BOWL

No exclusive claim is made for the word "Bowl" apart from the mark shown on the drawing.
For Bowling Alleys and Parts Thereof.
Claims use since June 12, 1929.

CLASS 23

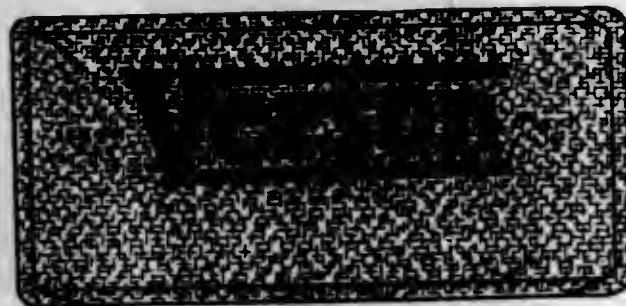
Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 274,661. MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, Augsburg, Germany. Filed Nov. 1, 1928.

Moll-Riedinger

For Turning Lathes.
Claims use since May, 1928.

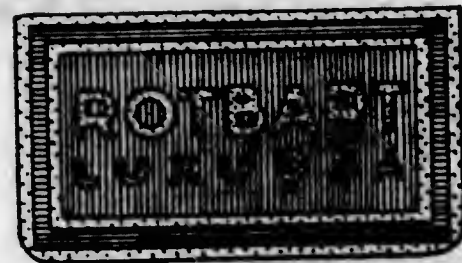
Ser. No. 277,067. LA SALLE MACHINE WORKS, INC., Chicago, Ill. Filed Dec. 21, 1928.



The words "Trade Mark" are disclaimed apart from the mark as shown. The lining appearing in the drawing is indicative of the color gold, the background of the trade-mark, corresponding with the specimens, being gold and of rectangular shape.

For Press Metal Machinery, Punch Presses, and Parts.
Claims use since on or about Jan. 1, 1924.

Ser. No. 277,919. ROTH-BÜCHNER AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed Jan. 12, 1929.

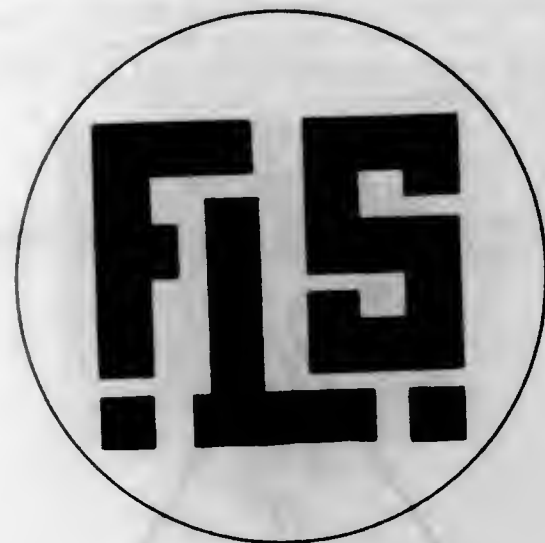
The lining shown in the drawing does not represent conventional colors but indicates shading.
For Cutlery—Namely, Safety Razors, Blades for Safety Razors, Mechanical Razor-Blade Stropers.
Claims use since Aug. 1, 1928.

Ser. No. 279,473. INDUSTRIAL SUPPLY COMPANY, Salt Lake City, Utah. Filed Feb. 16, 1929.

D-PEND-ON

For Portable Hand Fire Extinguishers, Saws, Knives, Files, Twist Drills, Reamers, Lathes, Drill and Planer Chucks, Taps, and Dies, and Grinding Wheels Exclusive of the Grinding Stones.
Claims use since June 1, 1928.

Ser. No. 285,181. F. L. SMITH & Co., New York, N. Y. Filed June 6, 1929.

For Cement-Making Machinery—Namely, Agitators, Conveyors, Coolers, Crushers, Dust Collectors, Driers, Elevators, Excavators, Extractors, Fans, Blowers and Exhausters, Feeders, Grinding Mills, Packing Machines, Power-Transmitting Devices, Pug Mills, Pumps, Separators, Speed Reducers, and Wash Mills—and Parts Thereof.
Claims use since about May 4, 1926.

Ser. No. 287,904. E. A. BERG'S FABRIKS AKTIEBOLAG, Eskilstuna, Sweden. Filed July 31, 1929.



The words "Eskilstuna Sweden" are disclaimed apart from the mark shown on the drawing.

For Planes, Plane Irons, Grooving Irons, Plough Bits, Chisels, Gouges, Wood-Carving Knives, Shoemakers' Knives, Hole Punches, Paring Knives, Pincers, Nippers, Pliers, Shears, Clippers, Hole Pipes, Screw Drivers, Erasing Knives, and Vises.

Claims use since January, 1926.

Ser. No. 288,278. GEBR. DOWIDAT, Luttringhausen, Germany. Filed Aug. 8, 1929.

GEDORE

For Adjustable Screw Wrenches.
Claims use since August, 1922.

Ser. No. 290,510. THE GLEASON WORKS, Rochester, N. Y. Filed Oct. 2, 1929. Under 10-year proviso.

GLEASON

For Machines for Producing Gears and for Parts for Said Machinery.
Claims use since 1875.

Ser. No. 290,684. BRIGHT & COMPANY, Reading, Pa. Filed Oct. 5, 1929.

PAGODA

For Shovels.
Claims use since about September, 1927.

Ser. No. 291,024. QUEENSBORO TOOL & DIE CO., INC., Long Island City, N. Y. Filed Oct. 12, 1929.

EXCEL-AREST

For Accelerator Pedals for Motor Vehicles.
Claims use since July 1, 1929.

Ser. No. 291,078. AUTOMATIC COOKING MACHINE COMPANY, INC., New Bedford, Mass. Filed Oct. 15, 1929.



No claim of monopoly being made to the word "Kooker" apart from the other features of the mark.

For Automatic Cooking Machines.

Claims use since on or about Sept. 16, 1929.

Ser. No. 291,339. CARL KLASS, doing business as Carl Klass, a Firm, Solingen, Germany. Filed Oct. 21, 1929.



All wording on the mark except "Sisters," and the representation of a razor blade are disclaimed apart from the mark as shown.

For Razor Blades.

Claims use since March, 1929.

Ser. No. 291,400. FRANK NAGEL, doing business as Crescent Mfg. Co., Fremont, Ohio. Filed Oct. 22, 1929.

Crescent

For Razor Blades.
Claims use since 1917.

Ser. No. 291,614. FORT WAYNE ENGINEERING & MANUFACTURING CO., Fort Wayne, Ind. Filed Oct. 26, 1929.

CIRCULAGITATOR

For Mechanical Water Softeners.
Claims use since Sept. 2, 1929.

Ser. No. 291,657. DURO METAL PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 28, 1929.

DURO-BILT

Applicant disclaims the word "Bilt" apart from the mark as shown.

For Automotive Tools—Namely, Socket Wrenches, Socket-Wrench Kits, Valve Reamers, and Valve-Grinding Machines.

Claims use since Oct. 12, 1929.

Ser. No. 291,668. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis. Filed Oct. 28, 1929.



The lining in the drawing indicates the colors red and blue. The words "Trade Mark, Ft. Atkinson, Wis., Elmira, N. Y." are disclaimed apart from the mark as shown.

For Feed, Litter, Milk Cans, and Swill Carriers and Carrier Tracking, Including Hangers and Fittings; Barn-Floor Scrapers; Poultry Equipment—Namely, Dropping-Board Scrapers, Feed Scoops, Sprayers for Poultry Houses and Other Farm Buildings; and Hay Tools, Including Carrier Track and Fittings Thereof Sold as a Unit, Farm Cranes, and Outside Metal Supports for Litter-Carrier Tracks, and Milk Stools.

Claims use since Mar. 1, 1921.

Ser. No. 292,199. BERG BROS. MANUFACTURING COMPANY INCORPORATED, Minneapolis, Minn. Filed Nov. 9, 1929.

Weenee Wiches

For Wiener-Roasting Machine.

Claims use since Oct. 1, 1929.

Ser. No. 292,244. APEX MANUFACTURING CORPORATION, Baltimore, Md. Filed Nov. 11, 1929.

DAN-DEE

For Razor Blades.

Claims use since Oct. 1, 1929.

Ser. No. 292,263. JOHN E. GARRETT, New Glasgow, Nova Scotia, Canada, and Malden, Mass. Filed Nov. 11, 1929.



For Rug Hookers.

Claims use since October, 1926.

Ser. No. 292,287. FRANK J. QUIGAN, INC., Brooklyn, N. Y. Filed Nov. 11, 1929.

Safeway

For Safety-Razor Blades.

Claims use since Nov. 6, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 277,400. CHARLES BRUNING COMPANY, INC., New York, N. Y. Filed Dec. 29, 1928.



For Abney Hand Levels, Adjustable Curve Rulers, Adjustable Drawing Tables and Horses, Air Meters, Anemometers, Aneroid Barometers, Angle Targets, Embankment Angles, Lettering Angles, Propitch Angles, Roof Pitch Angles, Architects' Leveling Rods, Architects' Levels, Architects' Scales, Architects' Slant and Basin, Architects' Transit, Arm Protractors, Steel Arrows, Artisan Steel Tapes, Artists' Drawing Tables, Automatic Adjustable Plumb Bob, Automobile Steel Tape, Barograph, Surveying Barometers, Bars for Beam Compasses, Beam Compasses, Binoculars, Biram Anemometers, Blue-Print Machines, Drawing Boards, Ruling Pens, Boston Universal Pantograph, Boxwood Extension Rules, Pocket Rules, Protractors and Scales, Brass Parallel Rules, Brass Proportional Dividers, Brass Protractors, Bristol-Board Protractors, Brunton Pocket Transit, Builders' Levels and Transits, Calliper Rules, Cardboard Railroad Curves and Scales, Chain Scales, Chain Tapes, Measuring Chains, Cheaterman Metallic Tapes, Chicago Leveling Rods, Circular Protractors, Circumference and Diameter Scales and Tapes, Clinometer, College Slide Rules, Combination Curves, Combination Rule and Level; Clinometer, Beam, Drawing, Hairspring, Magnetic, Magnetic Pocket, Military, Miners', Pillar, Pocket Drawing, Prismatic, Railroad, Spring Bow, and Surveying Compasses; Compensating Planimeters, Convertible Y Levels, Copenhagen Ship Curves, Thread Counters, Crystalloid Curves, Crystalloid Lined T Squares, Crystalloid Odontographs, Protractors and Triangles, Adjustable Curve Rulers; Logarithmic, Mechanical, Multi-, Railroad, Ship, Spiral, Transparent, Wooden, Cardboard, and Celluloid Curves; Surveying Dial Compasses, Diameter and Circumference Scale, Diameter Tape, Dipping Needle; Bow, Hairspring, Plain, Proportional, Self-Adjusting Arc, and Whole and Half Dividers; Dotted Instruments and Pens, Double-Curve Pens, Double-Pointed Pens, Drafting Scales, Draftmen's Steel Protractors, Drawing Boards, Drawing Instruments, Steel Drawing Pens, Drawing Scales, Drawing Stands, Drawing Tables, Ebonized Parallel Rules, Ellipses, Engineers' Pocket Rules, Scales, Slide Rules, Steel Tapes, Transits and Y Levels, Extension Measures, Extension Rules, Extension Tripods, Field Glasses, Flat White Edge Scales, Flexible Leveling Rods, Folding Drawing Tables, Folding Pocket Rules, Folding Reel, Folding Rules, Folding Steel Pocket Rules, Fuller Slide Rule, Rain and Wind Gauges; Field, Magnifying, Marine, and Reading Glasses; Triangular Scale Guards, Hand Levels, Handles for Tapes, Hellograph Sensitized Papers, High-Speed Anemometer, Hydraulic Slide Rule, Hygrometers, Hyperbolae, Inch and Metric Scales, Surveying Instruments, Iron Ranging Poles, Joint Rules, Level Vials, Leveling Poles, Leveling-Rod Targets, Pocket Leveling Rods; Rod, Spirit, and Surveying Levels; Light Mountain Transit, Light Philadelphia Rods, Perspective Lineads, Linen Provers, Linen Tapes, Locke Hand Levels, Manifold Slide Rules, Mannheim Slide Rules, Mathematical Instruments, Meridian Finder, Me-

tallic Parallel Rules, Paper Metric Scales, Metric Scale Rods, Metric Tapes, Flat Metric Measuring Scales, Micrometer Targets, Miner's Slope Level; Mining Barometers, Mining Rods and Transits, Angle Mirrors, New York Rods, Nickel-Silver Protractors, Oblong Protractor and Scale, Odontograph, Office Drawing Tables, Offset Scales, Opisometer; Opposite Bevel Scales, Oval Targets, Pantographs, Protractors, Parabolas, Parallel Rules, Parallel-Ruling Attachments, Parallel-Ruling Straightedges, Passometers, Pedometers; Border, Curve, Dotted, Drawing, Hatching, Lettering, Ruling, and Spline Pens; Planimeters, Plotting Scales, Pocket Altimeter, Pocket Aneroids, Pocket Leveling Instrument, Pocket Levels, Pocket Magnifiers, Pocket Rules, Pocket Tapes, Pocket Thermometers, Brunton Pocket Transits, Polar Planimeters, Portable Air Meters, Precise Parallel-Ruling Attachment, Premier Transits, Prismatic Compasses, Prism Binoculars, Angle Prisms, Progress-of-Work Charts, Protractors, Rain Gauges, Reconnaissance Transit, Recording Thermometer, Rectangular Prisms, Reels for Tapes, Rolling Parallel Rules, Round Targets, Roof Pitches, Adjustable Curve Rulers; Combination, Extension, Folding, Parallel, Pocket, Scale, Shrinkage, and Slide Rules; Ruling Attachments, Scale Guard, Scales, Sectional Ranging Poles and Rods, Service Rod, Sets of Drawing Instruments, Sloping Tiles, Splices for Tapes, Spring Winding Steel Pocket Tapes, Square Hand Level, Stadia Rods, Stadia Targets, Statistical Charts, Stormograph, Straightedges, Strathmore Drawing Boards, Suspended-Ball Planimeter, Suspended Pantograph, T Squares, Triangles, Tripods for Transits and Levels, Tubular Extension Tripods, Vara Chains, Surveying Vernier Compass, Wheel Attachment for Beam Compasses, Wire Woven Tapes, Wolverine Reel Steel Tape.

Claims use since Dec. 1, 1927.

Ser. No. 285,246. CHARLES BRUNING COMPANY, INC., New York, N. Y. Filed June 8, 1929.



For Cylindrical Blue-Print Machines, Blue-Printing Machines, Continuous Machines for Developing Sensitized Papers, and Sheet Machines for Developing Sensitized Papers.

Claims use since Dec. 1, 1928.

Ser. No. 286,141. TESCHNER-MYERS CO., INC., New York, N. Y. Filed June 25, 1929.



For Supplies and Apparatus for Laboratories—Namely, Balances, Baths, Beakers, Laboratory Burners, Calorimeters, Colorimeters, Centrifuges, Calibrated Glassware for Use in Laboratories for Research and Testing, Crucibles, Porcelain Dishes, Evaporating Dishes Other Than Glass, Graduated Cylinders, Distilling Apparatus Used in Laboratories in Experiments for Obtaining Pure Water and Also for Testing Gasoline, Oils, Etc., Laboratory Flasks Other Than Glass, Laboratory Funnels, Gas-Analysis Apparatus, Hydrometers, Bacteriological Incubators, Oil-Testing Instruments, Testing Instruments for Use in Laboratories in Measuring Acidity, Conductivity, Density, Pressure, Softening Points, Specific Gravity, Surface Tension, Tensile Strength, Vacuum and Volume of Gases, Solids, and Liquids, Cement-Testing Machines, Microscopes, Microtomes, Porcelain Laboratory Ware, Saccharometers, Spectroscopes,

Polariscopes, Thermometers, Viscosimeters, Penetrometers, Hemometers, Heat-Testing Apparatus, Articles of Fused Silica in the Form of Tubes, Plates, and Basins for Chemical-Measuring and Scientific Purposes, Laboratory Retorts, Thermostatic Heat Regulators, Barometers, Pressure Gauges, Vacuum Gauges, Grinding Mortars, Lactometers, Gas Meters.

Claims use since Feb. 28, 1929.

Ser. No. 287,786. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed July 29, 1929.



Applicant claims ownership of registered Trade-Mark No. 26,919 issued Aug. 13, 1895.

For Ophthalmic Mountings and Parts Therefor Adapted to Support and Hold Ophthalmic Lenses Before the Eye; Eye Protectors for Protecting the Eye from Glare, Dust, and Flying Particles; Lenses and Blanks Therefor, Magnifying Lenses, Lenses for Testing the Errors of the Eye, Condensing Lenses, Spherical Lenses, Cylindrical Lenses, Toric Lenses, Compound Lenses, Instruments for Measuring the Refractive Errors of the Eye, Instruments for Measuring the Powers of Lenses, Instruments for Observing the Refractive Conditions of the Eye, Instruments for Testing the Refractive Conditions of the Eye, Instruments for Testing the Refractive Conditions of Lenses, Magnifiers, Instruments Provided with Lenses for Testing and Examining the Eye and Other Objects, Instruments for Measuring the Physical Dimensions and Location of the Eye, Instruments for Measuring the Physical Dimensions of Lenses, Instruments for Reflecting a Beam of Light into the Eye or on an Object Being Examined and Parts for the Aforesaid Instruments.

Claims use since January, 1885.

Ser. No. 289,171. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Aug. 30, 1929.



For Ophthalmic Mountings and Parts Therefor Adapted to Support and Hold Lenses Before the Eye; Eye Protectors for Protecting the Eye from Glare, Dust, and Flying Particles; Ophthalmic Lenses and Blanks Therefor; Magnifying Lenses, Lenses for Testing the Errors of

the Eye, Condensing Lenses, Spherical Lenses, Cylindrical Lenses, Toric Lenses, Compound Lenses, Instruments for Measuring the Refractive Errors of the Eye, Instruments for Measuring the Powers of Lenses, Instruments for Observing the Refractive Conditions of the Eye, Instruments for Testing the Refractive Conditions of the Eye, Instruments for Testing the Refractive Conditions of Lenses, Magnifiers, Instruments Provided with Lenses for Testing and Examining the Eye and Other Objects; Instruments for Measuring the Physical Dimensions and Location of the Eye, Instruments for Measuring the Physical Dimensions of Lenses, Instruments for Reflecting a Beam of Light into the Eye or on an Object Being Examined, and Parts for the Aforesaid Instruments.

Claims use since Feb. 20, 1929.

CLASS 27

Horological Instruments

Ser. No. 290,940. ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Filed Oct. 11, 1929.

ELGIN AVION

Applicant claims use of the word "Elgin" since Apr. 11, 1908; also claims ownership of registration No. 47,470. For Watches.

Claims use since Oct. 2, 1929.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 282,790. THE OSTDIK CO., Minneapolis, Minn. Filed Apr. 22, 1929.

FLEX-BLE

For Dust Mops.

Claims use since on or about Mar. 24, 1923.

Ser. No. 288,135. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Aug. 5, 1929.

Country Club



For Artists' Brushes, Bottle Brushes, Toothbrushes, Dusting Brushes, Fiber Brushes, Hairbrushes, Hand Brushes, Hat Brushes, Paintbrushes, Scouring Brushes, Shoe Brushes, Sink Brushes.

Claims use since July 1, 1929.

Ser. No. 292,005. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Nov. 4, 1929.

Lady Alice

For Brooms.

Claims use since Aug. 26, 1929.

Ser. No. 292,006. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Nov. 4, 1929.

Sunset Gold

For Brooms.

Claims use since Aug. 26, 1929.

Ser. No. 292,008. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Nov. 4, 1929.

RED GOOSE

For Brooms.

Claims use since Aug. 26, 1929.

Ser. No. 292,015. SQUEEZ-EZY MOP CO., INC., New Orleans, La. Filed Nov. 4, 1929.

HANDY-MANDY

For Floor Mops.

Claims use since October, 1928.

CLASS 32

Furniture and Upholstery

Ser. No. 290,290. L. BAMBERGER & CO., Newark, N. J. Filed Sept. 27, 1929.

Super-Savings

For Bed Springs, Mattresses, Beds, Couches, Davenport, Window Shades, Book Ends, Radiator Covers; Household and Office Chairs, Tables, Lounges, Sofas, Bookstands, Magazine Racks, Bookcases, Secretaries, Sewing Cabinets, China Closets, Buffets, Serving Tables, Bureaus, Dressing Tables, Radio Cabinets, Telephone Stands, Tea Wagons, Medicine Cabinets, Radiator Cabinets, Kitchen Cabinets, Shoeshine Cabinets, Commodes, Chair Cushions, Picture Frames, Easels, Ferneries, Desks, File Cabinets, Clothes Racks, Wardrobes; Mirrors, Pillows, Porch Shades, Smokers' Stands of the Pedestal Type and in the Nature of Furniture, and Bathroom and Kitchen Stools, Boudoir Chairs, Folding Lawn Chairs, Cedar Chests.

Claims use since July, 1924.

Ser. No. 290,808. BARKER BROS. INCORPORATED, Los Angeles, Calif. Filed Oct. 9, 1929.



The lining shown on the drawing is not intended to indicate color. The words "Leadership Through Merit" are claimed only in association with the other features of the mark as shown.

For Household and Office Furniture—Namely, Beds, Bed Panels, Dressers, Dressing Tables, Occasional Tables, Bookcases, Lockers, Filing Cabinets, Chairs and Benches for Office and Household Use, Radiator Enclosures and Covers of Wood and Metal Construction, Cedar Chests, Window Seats, Hall Trees, Bed Springs, Tables for the Office and Household, Divans, Davenports, Window Shades and Blinds, Book Ends, Smoking Stands, Picture Frames, Magazine Racks, Knock-Down Furniture, Medicine Cabinets, Foot Rests, Chair Seats, Cushions, Desks, Secretaries, Easels, Ferneries, Mattresses, Mirrors, Clothing Racks, Consoles and Cabinets for Radio Apparatus, Votive Stands, Tea Wagons, Bathroom and Kitchen Stools, Settees, Lounges, Buffets, Wardrobes.

Claims use since Jan. 1, 1927.

Ser. No. 291,432. BARKER BROS. INCORPORATED, Los Angeles, Calif. Filed Oct. 23, 1929.

FARMHOUSE

For Beds, Bed Panels, Dressers, Dressing Tables, Occasional Tables, Bookcases, Lockers in the Nature of Clothing Cabinets, Chairs and Benches for Office and Household Use, Radiator Enclosures and Covers of Wood and Metal Construction, Cedar Chests, Window Seats, Hall Trees, Bed Springs, Tables for the Office and Household, Divans, Davenports, Window Shades and Blinds, Book Ends, Wooden Pedestal-Type Smoking Stands, Picture Frames, Magazine Racks, Knock-Down Furniture, Medicine Cabinets, Kitchenette Units, Foot Rests, Chair Seats, Cushions, Desks, Secretaries, Easels, Ferneries, Mattresses, Mirrors, Clothing Racks, Consoles and Cabinets for Radio Apparatus, Tea Wagons, Bathroom and Kitchen Stools, Settees, Lounges, Buffets, Wardrobes.

Claims use since July 1, 1929.

Ser. No. 292,400. ENGLANDER SPRING BED COMPANY, Brooklyn, N. Y. Filed Nov. 14, 1929.

ROLL-ENG

For Beds.

Claims use since Sept. 15, 1929.

CLASS 33

Glassware

Ser. No. 274,981. THE PERMANENT BEVEL UNBREAKABLE CRYSTAL COMPANY, Pittsburgh, Pa. Filed Nov. 8, 1928.

**P. B. U.
CRYSTALOID**

No claim is made for the word "Crystaloid" apart from the mark shown.

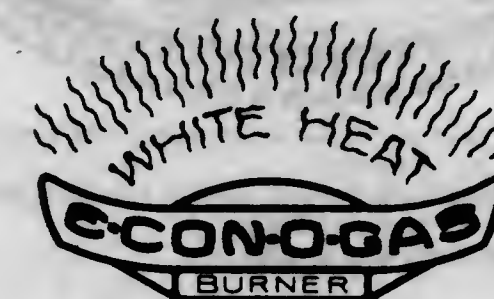
For Composition Watch Crystals and Transparent Composition Disks and Plates for Covering the Reading Dials of Measuring Instruments.

Claims use since about July 1, 1925.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not Including Electrical Apparatus

Ser. No. 283,022. WETTERBERG-GUNN CO., Evanston, Ill. Filed Apr. 25, 1929.



The right to the exclusive use of the words "White Heat Gas Burner" and to the representation of the goods, aside from the mark as shown, is not claimed.

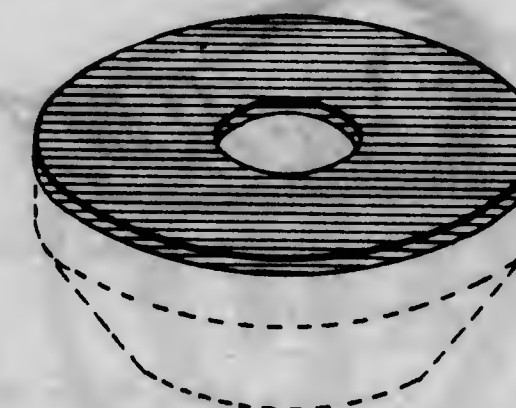
For Gas-Fuel Burners.

Claims use since Apr. 10, 1928.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 282,375. J. A. SEXAUER MFG. CO., INC., New York, N. Y. Filed Apr. 13, 1929.



The lining in the drawing is to indicate blue, one surface of the article being blue as shown. No claim is made for the representation of a faucet cushion. The mark consists in the blue disc applied to the base of a washer.

For Nonmetallic Washers, Faucet Cushions, and Non-metallic Bibb Washers.

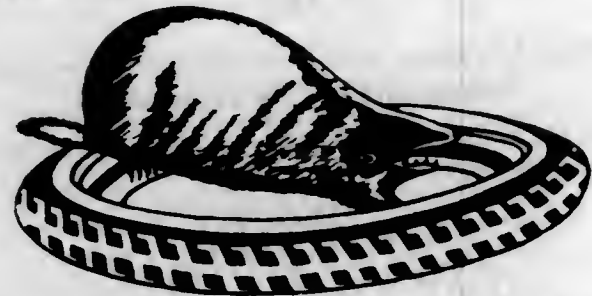
Claims use since Jan. 14, 1929.

Ser. No. 290,042. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Sept. 20, 1929.



No claim is made to the representation of a gasket aside from its association with the mark.
For Gaskets.
Claims use since June 10, 1927.

Ser. No. 291,426. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Filed Oct. 23, 1929.



No claim is made to the representation of a tire apart from the mark as shown.
For Tire and Tube Patches, Repair Kits and Belts, All Made Wholly or Partly of Rubber.
Claims use since May 5, 1925.

Ser. No. 291,427. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Filed Oct. 23, 1929.

BADGER

For Tire Flaps, Flap Material and Transmissions Discs, All Made Wholly or Partly of Rubber, and Tire Covers Made of Waterproofed Fabric.
Claims use since Apr. 2, 1926.

Ser. No. 291,428. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Filed Oct. 23, 1929.



For Vehicle Tires and Inner Tubes Made Wholly or Partly of Rubber.
Claims use since Sept. 23, 1921.

Ser. No. 291,429. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Filed Oct. 23, 1929.

BADGER

For Vehicle Tires, Inner Tubes and Transmission Discs, All Made Wholly or Partly of Rubber.
Claims use since Dec. 26, 1928.

CLASS 37

Paper and Stationery

Ser. No. 278,054. MORLAND & IMPRY LIMITED, Birmingham, England. Filed Jan. 16, 1929.

NORFILD

For Loose-Leaf Bladders, Ledger Paper, Writing Paper, Drawing Paper, Tracing Paper, Printing Paper, Cover Paper, Paper Bookbindings, Index Cards, Binders Board, Blank Forms, Account Books and Blanks, Memorandum Books, Composition Books, and Albums.
Claims use since May 8, 1928.

Ser. No. 282,495. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Filed Apr. 16, 1929.

SWORD

For Pencils, Pencil and Ink Writing Pads, Paper Tablets, Memorandum and Account Books, Diaries, Composition Books, Cleansing Tissue, Wax Paper and Shelf Paper, Gummed Paper Tape.
Claims use since Nov. 10, 1927.

Ser. No. 282,497. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Filed Apr. 16, 1929.

PLEE-ZING

For Pencils, Paper Tablets, Composition Books, Cleansing Tissue, Wax Paper and Shelf Paper, and Gummed Paper Tape.
Claims use since December, 1922.

Ser. No. 287,262. PARSONS PAPER COMPANY, Holyoke, Mass. Filed July 17, 1929.

L'ENVOI

For Writing and Printing Papers.
Claims use since Apr. 2, 1929.

Ser. No. 288,670. STERN BROTHERS, New York, N. Y. Filed Aug. 17, 1929.



For Letter Heads, Correspondence Cards and Stationery—Namely, Writing Paper, Envelopes, Blotters, Tissue and Wrapping Paper, Pens, Pencils, and Fountain-Pen Sets not Made of Precious Metal.
Claims use since July 25, 1929.

Ser. No. 290,838. JOEL S. HARTMAN, New York, N. Y. Filed Oct. 9, 1929.

Bath-tex

For Toilet Tissue.
Claims use since Apr. 27, 1929.

Ser. No. 291,040. WAXED PRODUCTS CO., INC., Brooklyn, N. Y. Filed Oct. 12, 1929.



The words "High Finish, Butchers," and "Waxed Paper" are disclaimed apart from the mark as shown.
For Waxed Paper.
Claims use since Feb. 14, 1929.

Ser. No. 291,210. ECLIPSE FOUNTAIN PEN AND PENCIL CO. INC., New York, N. Y. Filed Oct. 18, 1929.

ECLIPSE

For Fountain Pens and Pencils.
Claims use since May, 1919.

CLASS 38

Prints and Publications

Ser. No. 275,630. KARL G. REGOLDS, Los Angeles, Calif. Filed Nov. 21, 1928.

LIFE TRUST BONDS

For House Business Publications Issued from Time to Time Relative to Investments.
Claims use since about August, 1928.

Ser. No. 286,680. PLAYGROUND AND RECREATION ASSOCIATION OF AMERICA, INCORPORATED, New York, N. Y. Filed July 5, 1929.

**Playground
and
Recreation**

Color is not an essential feature of the applicant's mark and the lining shown on the drawing is merely for the purpose of shading.
For Monthly Magazine.
Claims use since June 1, 1929.

Ser. No. 288,530. WISCONSIN FARMER COMPANY, Racine, Wis. Filed Aug. 14, 1929.

**WISCONSIN
AGRICULTURIST
and FARMER**

For Publication Issued Weekly.
Claims use since June 1, 1929.

Ser. No. 288,580. JACK BAUER, New York, N. Y. Filed Aug. 16, 1929.

Humpus Reporter

For Magazines.
Claims use since Aug. 15, 1929.

Ser. No. 289,428. NED WAYBURN STUDIOS OF STAGE DANCING INC., New York, N. Y. Filed Sept. 6, 1929.



For Leaflets, Pamphlets, and Booklets.
Claims use since June 1, 1904.

Ser. No. 289,429. NED WAYBURN STUDIOS OF STAGE DANCING INC., New York, N. Y. Filed Sept. 6, 1929.

NED WAYBURN NEWS

For a Monthly Publication.
Claims use since Jan. 1, 1925.

Ser. No. 290,124. GOOD STORY MAGAZINE COMPANY, INC., New York, N. Y. Filed Sept. 23, 1929.



The trade-mark sought to be registered is limited to the color red.

For Monthly Publication.
Claims use since Aug. 29, 1929.

Ser. No. 291,653. AMERICAN BEAUTY COUPON COMPANY, St. Louis, Mo. Filed Oct. 23, 1929.

AMERICAN BEAUTY



For Trading Coupons.
Claims use since Sept. 1, 1929.

Ser. No. 291,660. FAWCETT PUBLICATIONS, INC., Robbinsdale, Minn. Filed Oct. 28, 1929.

Startling Detective Adventures

For Magazines Published Every Month.
Claims use since Oct. 1, 1929.

Ser. No. 291,864. BANKERS PUBLISHING COMPANY, Milwaukee, Wis. Filed Nov. 1, 1929.

The Mid-Western Banker

For Periodicals.
Claims use since January, 1925.

Ser. No. 291,973. GERNSBACH PUBLICATIONS, INC., New York, N. Y. Filed Nov. 4, 1929.

SCIENTIFIC DETECTIVE MONTHLY

For Monthly Publication.
Claims use since Oct. 7, 1929.

Ser. No. 292,024. BANCROFT-WHITNEY COMPANY, San Francisco, Calif. Filed Nov. 5, 1929.

TEXAS JURISPRUDENCE

For Series of Law Books Including Extracts Therefrom
Published as Separate Booklets.
Claims use since Sept. 26, 1929.

Ser. No. 292,162. FUNK & WAGNALLS COMPANY, New York, N. Y. Filed Nov. 8, 1929.

THE HOMILETIC REVIEW

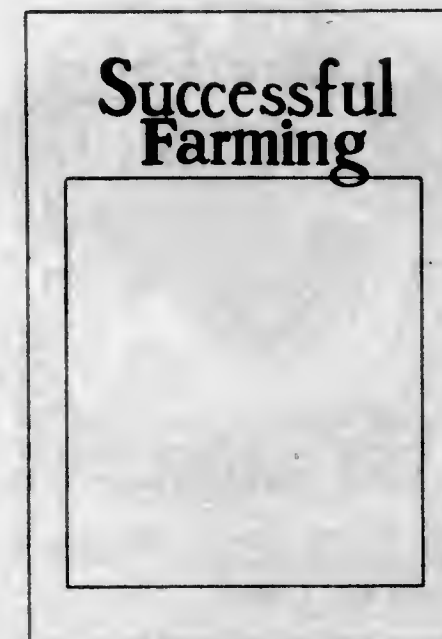
For Periodical.
Claims use since January, 1885.

Ser. No. 292,221. MID-WEST PUBLISHERS, INC., St. Louis, Mo. Filed Nov. 9, 1929.

Saddle & Bridle

For Monthly Magazine.
Claims use since about Sept. 1, 1923.

Ser. No. 292,274. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Nov. 11, 1929.



For Monthly Publication.
Claims use since January, 1928.

Ser. No. 292,354. WILLIAM GREENE, doing business as Greene Service Company, New York, N. Y. Filed Nov. 13, 1929.

"MASTERETTE"

For Photographic Enlargements.
Claims use since May, 1924.

Ser. No. 292,385. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio. Filed Nov. 14, 1929.



For Monthly Publication.
Claims use since Mar. 15, 1929.

CLASS 39

Clothing

Ser. No. 252,284. KRAMER BROTHERS, New York, N. Y. Filed July 19, 1927.



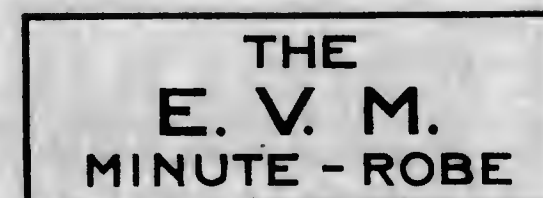
For Hosiery.
Claims use since January, 1923.

Ser. No. 274,040. P. FRINSTEIN & SONS, New York, N. Y. Filed Oct. 20, 1928.



No claim is made to the words "Sudan Fabrique" and "Fifth Ave" apart from the mark as shown on the drawing.
For Men's Clothes—Namely, Overcoats.
Claims use since Aug. 15, 1928.

Ser. No. 279,553. Mrs. ALBERT F. MATTISON, doing business as The Minute-Robe Company, Buffalo, N. Y. Filed Feb. 18, 1929.



The words "Minute Robe" are disclaimed apart from the mark as shown.
For Burial Robes.
Claims use since June 20, 1928.

Ser. No. 279,670. KNOX HAT COMPANY, INC., New York, N. Y. Filed Feb. 20, 1929.



The English equivalent of the words "Moveo et Proficio" is "I Move and Advance."
For Caps and Hats for Men, Women, and Children; Leather Gloves and Fabric Gloves; Men's Knickers, Trousers, Reefers, Dressing Gowns, and Bath Robes, and

Dress Vests; Women's Dresses, Skirts for Outer Wear, Blouses, Shirt Waists, Capes and Gowns; Men's and Women's Suits, Overcoats, Raincoats, Sweaters, Sport Coats, Sport Suits, Knitted Coats, Golf Jackets, and Knitted Vests for Outer Wear; Neckwear as Follows: Mufflers, Scarfs, Neckties and Fur Neck Pieces; Fur Coats, Fur Cuffs, Fur Collars, Fur Caps, Fur Muffs, and Fur Gloves; Underwear Made of Knitted and Textile Fabric for the Use of Men, Women, and Children; Pajamas and Hosiery; Outer Shirts—Namely, Dress, Negligee, and Work Shirts Worn By Men and Women; Collars, Garters, Suspenders, and Belts for Outer Wear; Footwear as follows: Leather Shoes and Leather Pullman Slippers.

Claims use since 1871.

Ser. No. 280,128. LOCKWOVEN HOSIERY COMPANY, St. Louis, Mo. Filed Mar. 1, 1929.



The drawing has been lined to indicate the colors red and gold. The word "Lockwoven" is disclaimed apart from the mark shown in the drawing.

For Cotton, Wool, Rayon, and Silk Hosiery; Knitted and Textile Fabric Underwear for the Use of Men, Women, and Children; and Dresses for Women, Misses, and Children.

Claims use since Apr. 1, 1924.

Ser. No. 280,548. LOCKWOVEN HOSIERY COMPANY, St. Louis, Mo. Filed Mar. 16, 1929.



The drawing has been lined to indicate the colors red and gold.

For Hosiery, Knitted, and Textile Fabric Underwear for the Use of Men, Women, and Children, and Neckwear for Men and Boys, Four-in-Hand and Bow Ties to Be Made from Both Textile Fabric and Knitted Fabric.

Claims use since Mar. 1, 1929.

Ser. No. 281,730. SAMUEL GORDON, San Francisco, Calif. Filed Apr. 2, 1929.



Applicant hereby disclaims, apart from the mark as shown on the drawing, the words "Always Sell for Less" and "Self Help Rack." The representation of the goods is also disclaimed.

For Women's Wearing Apparel Consisting of Blouses, Skirts, Suits, Dresses, and Coats.

Claims use since Feb. 1, 1928.

Ser. No. 285,048. STEIN MOSS & COMPANY, INC., New York, N. Y. Filed June 4, 1929.

Sunny Frocks

No registration rights are claimed for the word "Frocks" apart from the mark shown.

For Children's Dresses.

Claims use since Apr. 1, 1929.

Ser. No. 285,049. STEIN MOSS & COMPANY, INC., New York, N. Y. Filed June 4, 1929.

*Sunny Frocks
for
Sunny Lots*

No registration rights are claimed for the word "Frocks" apart from the mark shown.

For Children's Dresses.

Claims use since Apr. 1, 1929.

Ser. No. 285,935. THE WOLVERINE SHOE AND TANNING CORPORATION, Rockford, Mich. Filed June 21, 1929.



Applicant disclaims the right to the exclusive use of the wording appearing on the drawing, excepting only the expression "Wolverine." Applicant also disclaims the right to the exclusive use of the pictorial representation of a shoe and to the representation of a label.

For Shoes Constructed of Horsehide Leather and Also Constructed from Horsehide Leather with a Composition Rubber Sole.

Claims use since June 1, 1924.

Ser. No. 286,661. DAVID SILVERMAN, New Castle, Pa. Filed July 5, 1929.

*Silvermans
Ann A. Walker
Health Shoes
for Fashionable Ladies
Combination Last*

No claim being made to the words "Ann A. Walker, Health Shoes, For Fashionable Ladies, Combination Last," apart from the mark shown on the drawing. The name "Silverman's" and the name "Ann A. Walker" are facsimiles of the handwriting of David Silverman, the applicant.

For Leather Shoes.

Claims use since June 27, 1929.

Ser. No. 286,858. BROWN DURRELL CO., Boston, Mass., and New York, N. Y. Filed July 10, 1929.

*Gordon
SPLENDIDE*

Applicant claims ownership of registration No. 219,861 and registration No. 58,880, covering the mark "Gordon," effected under the 10-year proviso. No registration rights are claimed for the word "Splendide."

For Hosiery.

Claims use since June 22, 1929.

Ser. No. 286,864. BROWN DURRELL CO., Boston, Mass., and New York, N. Y. Filed July 10, 1929.

Gordon
INDIVIDUALLY-PROPORTIONED
STOCKINGS

Applicant claims ownership of registration No. 219,861 and registration No. 57,880, effected under the 10-year proviso. No registration rights are claimed for the words "Individually Proportioned Stockings."

For Hosiery.

Claims use since June 29, 1929.

Ser. No. 288,003. BRONSTON BROS. & CO., INC., New York, N. Y. Filed Aug. 2, 1929.

KNOCKABOUT

For Men's and Women's Straw, Panama, and Felt Hats.

Claims use since June 1, 1929.

Ser. No. 289,208. DAVID H. SCHIFFER, doing business as Wearever Shirt Co., New York, N. Y. Filed Aug. 30, 1929.

**WEAREVER
SHIRT
NATION'S CHOICE**

No rights are asserted to the exclusive use of the word "Shirt" apart from the mark as shown in the drawing.

For Shirts—Namely, Negligee, Dress, Work, and Flannel Shirts.

Claims use since June 1, 1926.

Ser. No. 289,363. THE J. K. ORR SHOE COMPANY, Atlanta, Ga. Filed Sept. 5, 1929.



No claim being made for the exclusive use of the word "Stylish" except in the environment shown.

For Shoes of Leather or Fabric or a Combination of These Materials.

Claims use since Apr. 1, 1927.

Ser. No. 289,627. HOOD RUBBER COMPANY, INC., Watertown, Mass. Filed Sept. 11, 1929.

MODERNIST

For Rubber Soles and Heels.
Claims use since Aug. 28, 1929.

Ser. No. 289,684. LOTUS LIMITED, Stafford, England. Filed Sept. 12, 1929.

DORMEONE

For Boots and Shoes of Leather, Rubber, or Fabric or Combinations of Those Materials.
Claims use since on or about Dec. 3, 1921.

Ser. No. 289,813. THEO. BERGMANN SHOE MFG. CO., Portland, Ore. Filed Sept. 16, 1929.

BERGMANN
Springsole
PORTLAND
OREGON

The exclusive use of the expression "Portland, Oregon" is hereby disclaimed.
For Leather Sporting Boots.
Claims use since July 1, 1928.

Ser. No. 290,183. LAMB MFG. COMPANY, Terre Haute, Ind. Filed Sept. 24, 1929.



No claim is made to the word "Brand" apart from the mark as shown.

For Professional and Service Apparel for Men and Women, the Said Goods Being as Follows: Coats, Chefs' Jackets, Chefs' Pants, Cooks' Aprons, Cooks' Caps, Ladies' Dress and Bib Aprons, Ladies' Headbands, Ladies' Net Top Caps, Ladies' Muslin Caps, Bakers' Shirts, Bakers' Trousers, Vest Coats, Skull Caps, Overseas Caps, Dentists' Gowns, Dentists' Side-Button Coats, Operating Gowns, Duck Trousers, Interne Two-Piece Suits of Coat and Trousers, Laboratory Coats, Professional Assistants' Aprons and Overall Suits for Men, Uniform Caps; Men's Long Service Coats of Duck, Drill, and Twill; Slip-Over Aprons for Women, Waterproof Aprons, Drivers' Split Aprons.
Claims use since November, 1917.

Ser. No. 290,254. LEON E. JACOBS & BRO., New York, N. Y. Filed Sept. 26, 1929.

JADE

For Men's Work, Dress, and Negligee Shirts and Collars.
Claims use since May 1, 1929.

Ser. No. 290,484. WILBIE'S, INC., Boston, Mass. Filed Oct. 1, 1929.



No claim is made to the expression "\$4" as shown on the drawing.
For Shoes Constructed of Leather, Rubber, or Fabric or of Combinations of Said Materials.
Claims use since Apr. 15, 1929.

Ser. No. 290,568. THE FORMFIT COMPANY, Chicago, Ill. Filed Oct. 3, 1929.

Sunny Girl

For Corsets, Corset Waists, Brassières, Bandeaux, Girdles; Garter Belts, Belts for Outer Wear, and Belts in the Nature of Garment Supporters; Ladies' Underwear of Knitted, Netted, and Textile Fabric; and Combinations of Corsets and Brassières.
Claims use since Aug. 22, 1929.

Ser. No. 290,761. O'CONNOR & GOLDBERG, Chicago, Ill. Filed Oct. 7, 1929.

O-G FOOT RETAINER

For Women's Shoes Made of Leather, Calfskin, Kid Skin, or Reptile Skins, and Combinations Thereof.
Claims use since July 1, 1929.

Ser. No. 290,946. FRIED GARMENT MFG. CO., INC., Houston, Tex. Filed Oct. 11, 1929.



For Dresses for Women and Children, Aprons, Coats for Women and Children, and Knitted and Textile Underwear.
Claims use since Aug. 1, 1929.

Ser. No. 290,957. S. H. KANSA & CO., New York, N. Y. Filed Oct. 11, 1929.

**Benu
Brummel**

For Men's Knitted and Textile Underwear.
Claims use since Sept. 1, 1929.

Ser. No. 290,965. A. I. NAMM & SON, doing business as The Namm Store, Brooklyn, N. Y. Filed Oct. 11, 1929.

THE EXECUTIVE

For Men's Clothing—Namely, Shoes of Leather; Slippers of Leather, Felt, and Wool; Raincoats, Rubbers, Riding Boots of Leather, Puttees; Fabric, Leather, and Wool Gloves; Lumberjackets of Leather, Suede, and Wool; Overgaiters and Spats, Sweaters, Stockings, Socks; Underwear of Knitted, Netted, and Textile Fabrics; Collars, Neckties, Belts for Outer Wear, Scarfs, Suits; Dress and Work Shirts; and Undershirts of Knitted, Netted, and Textile Fabrics; Riding Habits, Knickers, Bathing Suits and Robes, Pyjamas, Caps, Hats, Overcoats, Bath Robes, Suspenders.
Claims use since Sept. 15, 1929.

Ser. No. 291,085. ESSEX RUBBER COMPANY INC., Trenton, N. J. Filed Oct. 15, 1929.

DELAWEAR

For Rubber and Composition Soles and Heels for Boots and Shoes.
Claims use since Sept. 25, 1929.

Ser. No. 291,098. NEUSTADTER BROS., San Francisco, Calif. Filed Oct. 15, 1929.

HEATHER MILLS

For Sweaters, Sweater Coats, and Knitted Shirts for Men and Boys; Sweaters and Sweater Coats for Girls and Women.
Claims use since Jan. 1, 1906.

389 O. G.—53

Ser. No. 291,111. M. C. D. BORDEN & SONS, INC., New York, N. Y. Filed Oct. 16, 1929.



No claim is made to the use of the word "Fabrics" apart from the mark shown in the drawing.
For Ladies' Dresses.
Claims use since Jan. 3, 1928.

Ser. No. 291,112. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Oct. 16, 1929.

AIR-LINE SPECIAL

No claim is made herein broadly to the word "Special" apart from the mark as illustrated in the drawing.
For Work Gloves Made of Fabric.
Claims use since Aug. 1, 1929.

Ser. No. 291,181. THALHIMER BROS., INC., Richmond, Va. Filed Oct. 17, 1929.

Thalia

For Hosiery for Men, Women, and Children; Underwear for Men, Women, and/or Children, of Knitted and Textile Fabrics; Negligees and Lingerie—Namely, Slips, Gowns, Teddies, Panties, Vestees, Dance Sets, Vests, Bloomers, Union Suits, Pajamas, Brassières, Petticoats.
Claims use since Aug. 1, 1929.

Ser. No. 291,208. DE VALEÉ, INC., Lansdale, Pa. Filed Oct. 18, 1929.



The lining appearing on the drawing is for the purpose of shading only and not to be considered as indicative of any particular color.
For Hosiery.
Claims use since Sept. 11, 1929.

Ser. No. 291,209. DE VALEÉ, INC., Lansdale, Pa. Filed Oct. 18, 1929.



The lining appearing on the drawing is for the purpose of shading only and not to be considered as indicative of any particular color.
For Hosiery.
Claims use since Sept. 11, 1929.

Ser. No. 291,220. JACOB GUTTMAN & SONS, INC., New York, N. Y. Filed Oct. 18, 1929.



No registration rights are claimed herein to the words "Knit" or "Sportswear" apart from the mark as shown.
For Sportswear of Knitted or Woven Materials—Namely, Men's, Women's, and Children's Knitted or Woven Sport Sweaters, Sport Dresses, Sport Suits, and Sport Coats.
Claims use since December, 1927.

Ser. No. 291,261. S. AUGSTEIN & CO., New York, N. Y. Filed Oct. 19, 1929.



FIFTH AVENUE, NEW YORK

The words "Trade Mark" and "Certified Pure Wool" and "Fifth Avenue, New York" are disclaimed apart from the trade-mark as shown in the drawings.
For Sweaters and Bathing Suits for Men, Women, and Children.
Claims use since on or about Apr. 1, 1929.

Ser. No. 291,396. LEVIN & HARRIS SHIRT CO., INC., New York, N. Y. Filed Oct. 22, 1929.

THE Golfer

For Men's and Boys' Dress, Sport, and Negligee Shirts.
Claims use since July 1, 1929.

Ser. No. 291,548. LOUIS BRILL, doing business as Brill Corset Co., Philadelphia, Pa. Filed Oct. 25, 1929.

Lady Fair

For Corsets, Brassières, Girdles, and Garter Belts.
Claims use since Oct. 16, 1929.

Ser. No. 291,806. HANLEY MILLS, New York, N. Y. Filed Oct. 30, 1929.



No claim is made to the word "Underwear" apart from the mark shown on the drawing.
For Underwear—Namely, Men's and Children's Under-pants and Union Suits.
Claims use since February, 1929.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 278,557. HARRY SCHWARTZMAN, doing business as Protex Products Company, Jersey City, N. J. Filed Jan. 28, 1929.



For Sanitary Paper Dress Shields for Use in Trying on Garments, and Metal Clips for Attachment to Garments in Connection With the Display Thereof.
Claims use since about June, 1928.

Ser. No. 291,027. SCHAPIRO & BYNE, INC., New York, N. Y. Filed Oct. 12, 1929.



The lining of the drawing indicates the color blue. Applicant disclaims the exclusive use of the word "Perfection" apart from the mark as shown.
For Pins and Safety Pins Not Made of Precious Metal.
Claims use since July 1, 1921.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 275,097. BOOTT MILLS, Lowell, Mass. Filed Nov. 10, 1928.



The lining on the drawing indicates the red stippling on the applicant's labels.
For Hand Towels and Bath Towels of Textile Material.
Claims use since Apr. 9, 1928.

Ser. No. 283,897. CHARLES K. THAU, doing business as The Laura Hair Novelty Co., New York, N. Y. Filed May 15, 1929.

ZENITH

For Hair Nets.
Claims use since Dec. 22, 1928.

Ser. No. 287,959. FRANK I. DENISON & COMPANY, INC., New York, N. Y. Filed Aug. 1, 1929.

NELDEN

For Piece Goods of Cotton, Wool, Silk, Rayon, and Linen, and Combinations Thereof.
Claims use since July 9, 1929.

Ser. No. 289,887. BIGELOW-HARTFORD CARPET COMPANY, Thompsonville, Conn. Filed Sept. 6, 1929.

BIGELOW CLINTON BROADLOOM

No claim is made to the words "Clinton Broadloom" apart from the mark shown in the drawing. Applicant is the owner of registration No. 47,212, renewed for the word "Bigelow" under the ten-year proviso.
For Woven Textile Rugs and Carpets.
Claims use since June 4, 1928.

Ser. No. 290,646. AARON I. BINSKY, INC., New York, N. Y.
Filed Oct. 4, 1929.



The portrait shown in the specimens and appearing on the drawing is that of the famous Flemish painter. No claim is made to the terms "Fabrics" separate and apart from the mark shown.
For Woolen Goods in the Piece and Cut Lengths.
Claims use since Aug. 1, 1929.

Ser. No. 291,592. S. STEIN & CO., New York, N. Y. Filed Oct. 25, 1929.

SOUTHLAND

For Woolen Goods in the Piece and in Cut Lengths.
Claims use since Sept. 1, 1929.

Ser. No. 292,178. THE ROCHESTER CO. INC., Enid, Okla.
Filed Nov. 8, 1929.



No claim is made to the exclusive right to use the representation of the handkerchief, apart from the mark as shown on the drawing.
For Handkerchiefs.
Claims use since April, 1929.

Ser. No. 292,316. THE ESMOND MILLS, Esmond, R. I.
Filed Nov. 12, 1929.

MARABOU

For Textile Blankets.
Claims use since Nov. 2, 1929.

Ser. No. 292,352. DAVIS & CATERALL, INC., Passaic, N. J., and New York, N. Y. Filed Nov. 13, 1929.

SONYA

For Cotton Fabrics in the Piece.
Claims use since October, 1924.

Ser. No. 292,356. F. C. HURCK & SONS, Albany and Rensselaer, N. Y. Filed Nov. 13, 1929.

RAMCREST

For Bed Blankets of Textile Fabric.
Claims use since Sept. 13, 1929.

Ser. No. 292,461. POWRELL & ALEXANDER, INC., Boston, Mass. Filed Nov. 15, 1929.

Melrose

For Piece Goods of Cotton, Linen, Silk, Rayon, and Combinations Thereof.
Claims use since October, 1928.

CLASS 43

Thread and Yarn

Ser. No. 290,058. DU PONT RAYON COMPANY, New York, N. Y. Filed Sept. 21, 1929.

LOLUSTRA

For Viscose Yarns, Threads, and Filaments.
Claims use since July 27, 1928.

Ser. No. 292,344. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Nov. 12, 1929.

LA BELLE

For Woolen Yarns.
Claims use since Nov. 1, 1929.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 283,307. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Filed Apr. 30, 1929.

PLEE-ZING

For Cotton Bandage, Absorbent Cotton, Atomizers for Therapeutic Purposes, and Sanitary Napkins.
Claims use since December, 1922.

Ser. No. 283,471. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Filed May 3, 1929.

SWORD

For Cotton Bandage, Absorbent Cotton, Atomizers for Therapeutic Purposes, and Sanitary Napkins.
Claims use since Nov. 10, 1927.

Ser. No. 286,653. RENWAL SCIENTIFIC ENGINEERING COMPANY, Chicago, Ill. Filed July 5, 1929.

VIBRO THERM

For Vibrating and Heating Apparatus Used for Therapeutic Purposes and Electrical Equipment Associated Therewith Consisting of Convertors, Transformers, and Switches.
Claims use since May 1, 1929.

Ser. No. 286,654. RENWAL SCIENTIFIC ENGINEERING COMPANY, Chicago, Ill. Filed July 5, 1929.

VIBRO THERMO

For Vibrating and Heating Apparatus Used for Therapeutic Purposes and Electrical Equipment Associated Therewith Consisting of Convertors, Transformers, and Switches.
Claims use since May 1, 1929.

Ser. No. 286,924. CHIRON-WERKE G. M. B. H., Tuttlingen, Germany. Filed July 11, 1929.

Chiron

For the Following Surgical and Dental Instruments—Namely, Scissors, Dressing, Splinters, and Tissue Forceps, Scalpels, Knives, Probes, Needles, Artery Forceps, Needle Holders, Bone-Operating Instruments, Eye, Ear, Nose, and Throat Instruments, Intestinal Forceps, Urethral Dilators, Gynecological Instruments, and All Kinds of Instruments Used in Surgical Work, Tooth-Extracting Forceps, Gum and Crown Scissors, Excavators, Burnishers, Plastic-Filling Instruments, Root Elevators, Rongeurs, Amalgam Instruments, Chisels, Dental Curettes, Pliers, Dental Mirrors, Scrapers, Spatulas, and All Kinds of Instruments Used in Dental Surgery.
Claims use since January, 1923.

Ser. No. 290,717. RENWAL SCIENTIFIC ENGINEERING COMPANY, Chicago, Ill. Filed Oct. 5, 1929.



For Vibrating and Heating Apparatus Used for Therapeutic Purposes, and Electrical Equipment Associated Therewith Consisting of Convertors, Transformers, and Switches.
Claims use since May 1, 1929.

Ser. No. 291,377. ARLETTE, INC., Louisville, Ky. Filed Oct. 22, 1929.

VITALITY WAVE

The word "Wave" does not form a part of the registration sought apart from the trade-mark shown in the drawing.
For Hair-Waving Pads.
Claims use since Nov. 1, 1928.

Ser. No. 291,378. ARLETTE, INC., Louisville, Ky. Filed Oct. 22, 1929.

MIGÉNE



For Hair-Waving Pads.
Claims use since Sept. 1, 1929.

Ser. No. 291,560. MARCEL FRANCK, INC., New York, N. Y. Filed Oct. 25, 1929.

PARFUMAIRE

For Perfume and Medicinal Atomizers.
Claims use since Sept. 12, 1929.

Ser. No. 291,696. RINGLETTE PERMANENT COMPANY, San Francisco, Calif. Filed Oct. 28, 1929.

RINGLETTE

For Permanent Hair Waving.
Claims use since Dec. 15, 1928.

Ser. No. 292,023. JULIUS ADERER, INC., New York, N. Y. Filed Nov. 5, 1929.

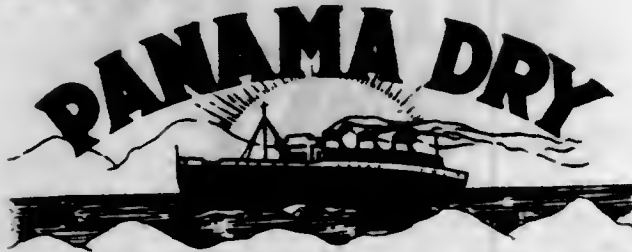
PROCAST

For Casting Gold for Dentists' Use.
Claims use since Oct. 1, 1927.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 287,707. HERMAN KRAUSS, INC., Toledo, Ohio. Filed July 26, 1929.



The words "Panama Dry" apart from the trade-mark are disclaimed.
For Ginger Ale.
Claims use since June 18, 1929.

Ser. No. 289,787. DICKINSON COMPANY, INC., Oswego, Oreg. Filed Sept. 14, 1929.



For Grape Juice and Loganberry Juice.
Claims use since May 11, 1903.

Ser. No. 291,337. THE HOWDY COMPANY, St. Louis, Mo. Filed Oct. 21, 1929.

BIB-LABEL

For Carbonated Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and for Syrups, Extracts, and Concentrates Used in Making the Same.
Claims use since July 29, 1929.

Ser. No. 291,439. CRESTA BLANCA COMPANY, INC., San Francisco, Calif. Filed Oct. 23, 1929.

Passionette

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Sept. 17, 1929.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 266,563. SOUTHERN GROCERY COMPANY, San Marcos, Tex. Filed May 17, 1928.



No claim is made to the word "Blend" apart from the mark as shown.
For Coffee.
Claims use since Jan. 1, 1928.

Ser. No. 270,376. H. AND F. FOOD PRODUCTS CORPORATION, Buffalo, N. Y. Filed July 31, 1928.



The face shown in the drawing is fanciful. No claim is made to the representation of the label except as shown.
For Mayonnaise, Celery Sauce, Salad Dressing, and Sandwich Spread.
Claims use since May 1, 1928.

Ser. No. 275,168. BERTHA M. LAYMAN, doing business as American Candy Company, Kansas City, Mo. Filed Nov. 12, 1928.

Rane-Bow

For Pop Corn in its Natural State and Salted Pop Corn.
Claims use since Oct. 4, 1928.

Ser. No. 275,892. FREMONT CANNING COMPANY, Fremont, Mich. Filed Nov. 27, 1928.



The representation of the label is disclaimed and the words "Vitamin A, Vitamin B," and "Vitamin C" are disclaimed apart from the mark as shown.
For Canned Strained Vegetable Products and Fruits—Namely, Strained Vegetable Soup, Peas, Carrots, Spinach, Prunes.
Claims use since Oct. 12, 1928.

Ser. No. 276,334. I. ROKEACH & SONS, INC., Brooklyn, N. Y. Filed Dec. 5, 1928. Under section 5b of the act of 1905, as amended in 1920.

ROKEACH

For Pudding in Powdered Form.
Claims use since Nov. 1, 1928.

Ser. No. 281,740. THERESA LOEWY, St. Louis, Mo. Filed Apr. 2, 1929.



Applicant hereby disclaims the word "Kosher" the Hebrew characters which mean "Kosher," the phrase "For a Real Appetizer, Ring Us," and the phrase "Natural Beef and Calves' Feet Jelly," and "St. Louis, Mo." except in connection with the word "May-Bell."
For Natural Beef and Calves' Feet Jelly.
Claims use since about Jan. 1, 1929.

Ser. No. 286,590. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Filed July 3, 1929.

RED-ELF

For Canned Fruits and Canned Vegetables.
Claims use since May 18, 1929.

Ser. No. 288,944. YUMA MESA GRAPEFRUIT COMPANY, Yuma, Ariz. Filed Aug. 24, 1929.



The words "Sweetest of the Sweet" are disclaimed except in the relation shown on the drawing and specimens filed with the application.
For Fresh Grapefruit.
Claims use since June 10, 1929.

Ser. No. 289,530. NAAMLIOOZE VENNOOTSCHAP UTRECHTSCHE ROTTERDAMSCHER FABRIEK VOORHEEN FIRMA W. J. NOTBOOM, Utrecht, Netherlands. Filed Sept. 9, 1929.

Kalca

For Biscuits.
Claims use since July, 1929.

Ser. No. 289,572. CALIFORNIA LANDS, INC., San Francisco, Calif. Filed Sept. 10, 1929.

MONTE BIANCA

For Fresh Deciduous Fruit—Namely, Fresh Grapes, Pomegranates, Pears, Peaches, Apricots, Cherries, Plums, Figs; Fresh Citrus Fruit—Namely, Oranges.
Claims use since Aug. 6, 1929.

Ser. No. 290,170. JOHN MACKINTOSH AND SONS, LIMITED, Halifax, England. Filed Sept. 23, 1929.

**Mackintosh's
Toffee de Luxe**

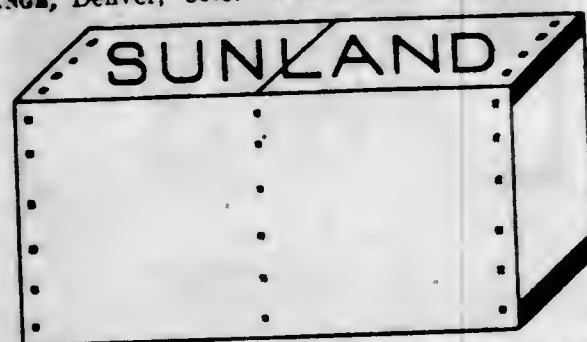
Applicant disclaims any right to the exclusive use of the terms "De Luxe" and "Toffee" except in the precise relation and association in which the same appears herein. Applicant is the owner of Certificate No. 82,703, registered under the 10-year proviso.
For Toffee.
Claims use since Jan. 19, 1912.

Ser. No. 290,171. JOHN MACKINTOSH AND SONS, LIMITED, Halifax, England. Filed Sept. 23, 1929.



Applicant is the owner of Certificate No. 82,703, registered under the 10-year proviso.
For Toffee.
Claims use since Sept. 1, 1922.

Ser. No. 290,243. THE COLORADO POULTRYMEN'S EXCHANGE, Denver, Colo. Filed Sept. 26, 1929.



The trade-mark consists of the word "Sunland," and no claim is made to the representation of the crate or container.

For Eggs.
Claims use since on or about May 15, 1928.

Ser. No. 290,511. H. L. HANDY COMPANY, Springfield, Mass. Filed Oct. 2, 1929.



For Eggs, and Meat and Meat Products—Namely, Ham, Bacon, Dried Beef, Sausage, Smoked Daisies, Corned Beef, Jellyed Tongue, Liver Cheese, Choice Bits, Lambs' Tongues, and Sandwich Spread.

Claims use on eggs since the year 1919; on ham since the early part of the year 1913; on bacon since May 6, 1920; on dried beef since June, 1924; on sausage since August, 1927; on smoked daisy since April, 1929; on corned beef since the year 1915; on jellyed tongue since August, 1927; on liver cheese since October, 1926; on choice bits since May, 1926; on lambs' tongues since December, 1928; and on sandwich spread since October, 1926.

Ser. No. 290,977. SHERWOOD P. SNYDER, doing business as Snyder's Community Kitchen Co., Dayton, Ohio. Filed Oct. 11, 1929.



For Mayonnaise Dressing, Sandwich Spread, Celery Vegetable Salad, Corn Relish, Chicken Salad Sandwich Spread, Vegetable Relish, Barbecue Sauce, Baked Ham With Barbecue Sauce, Thousand Island Dressing.
Claims use since Nov. 1, 1928.

Ser. No. 290,994. CALIGATOR PEAR COMPANY, Bonita, Calif. Filed Oct. 12, 1929.



The word "Pear" is disclaimed apart from the other features of the mark.
For Fresh Avocado or Alligator Pears.
Claims use since Aug. 24, 1929.

Ser. No. 291,184. HOWARD B. TOLLEY, Newark, N. J. Filed Oct. 17, 1929.



All wording on the drawing except the word "Silky," and the representation of the goods are disclaimed apart from the mark shown in the drawing.

For Bread.
Claims use since Oct. 1, 1929.

Ser. No. 291,329. ETABLISSEMENTS F. DELORY, Lorient, France. Filed Oct. 21, 1929.



Applicant disclaims all wording shown except "Martel" and applicant's name except in the precise relation and association in which the same appears herein.

For Canned Fish.
Claims use since Oct. 30, 1911.

Ser. No. 291,358. SAMAHA BROS., Washington, D. C. Filed Oct. 21, 1929.



For Coffees.
Claims use since Apr. 1, 1929.

Ser. No. 291,572. GEORGE MORRISON, Poughkeepsie, N. Y. Filed Oct. 25, 1929.



No claim is made to the exclusive use of the words "Extra Fancy, 100% Pure, Honey, Geo. Morrison Farm" and "Poughkeepsie, N. Y." appearing on the drawing separate and apart from the other features of the mark.

For Honey.
Claims use since Sept. 20, 1929.

Ser. No. 291,627. JOHN MACKINTOSH AND SONS, LIMITED, Halifax, England. Filed Oct. 26, 1929.



Applicant is the owner of Certificate No. 82,703, registered under the 10-year proviso.
For Toffee.
Claims use since 1922.

Ser. No. 291,633. E. W. PEIRCE, doing business as E. W. Peirce Co., Zanesville, Ohio. Filed Oct. 26, 1929.



The word "Cliffwood" not being claimed apart from the other features of the mark.

For Honey.
Claims use since Sept. 1, 1928.

Ser. No. 291,652. THE ALLBRIGHT-NELL COMPANY, Chicago, Ill. Filed Oct. 28, 1929.



For Parcels of Lard.
Claims use since June 1, 1928.

Ser. No. 291,843. THE STANARD-TILTON MILLING COMPANY, St. Louis, Mo. Filed Oct. 31, 1929.



For All Varieties of Flour Milled from Wheat, Comprising Whole-Wheat Flour, Wheat Flour, Phosphated and Self-Rising Flour.

Claims use since August, 1929.

Ser. No. 292,183. SPRATT'S PATENT (AMERICA) LIMITED, London, England. Filed Nov. 8, 1929.

SNAX

For Dog Food.
Claims use since Aug. 6, 1929.

Ser. No. 292,227. THE PAGE MILLING CO., Luray, Va. Filed Nov. 9, 1929.



For Wheat Flour.
Claims use since Sept. 21, 1929.

Ser. No. 292,268. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Nov. 11, 1929.

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For Cookies and Biscuit.
Claims use since Feb. 14, 1929.

Ser. No. 292,349. BERTRAM C. BARNES, doing business as Barnes Baking Co., Seattle, Wash. Filed Nov. 13, 1929.



No claim is made by applicant to the word "Bread" apart from the mark as shown.

For Bread.

Claims use since about Oct. 15, 1929.

Ser. No. 292,411. MISSOULA FEED AND GRAIN COMPANY, Missoula, Mont. Filed Nov. 14, 1929.



For Stock, Cattle, and Poultry Feed.
Claims use since October, 1923.

Ser. No. 292,432. BUFFALO FLOUR MILLS CORPORATION, Buffalo, N. Y. Filed Nov. 14, 1929.



For Wheat Flour.
Claims use since Sept. 9, 1929.

Ser. No. 292,457. N. Z. CHEESE LTD., Auckland, New Zealand. Filed Nov. 15, 1929.

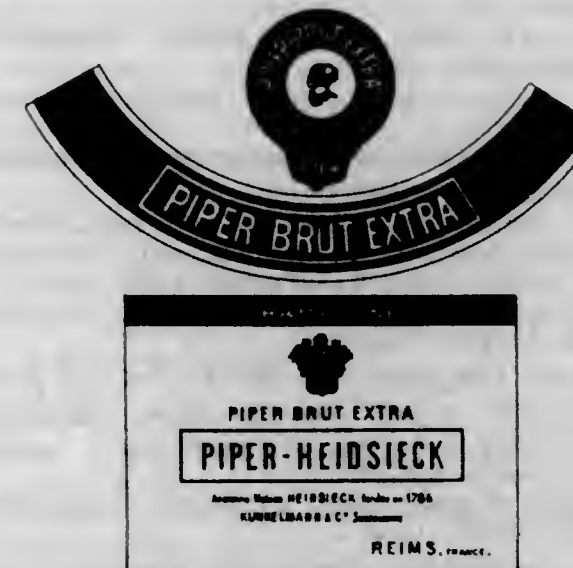
"CHESDALE"

For Cheese.
Claims use since Aug. 30, 1926.

CLASS 47

Wines

Ser. No. 272,500. KUNKELMANN & CIE. SOCIETE ANONYME, Reims, France. Filed Sept. 15, 1923. Under 10-year proviso.



For Champagne.
Claims use since Sept. 24, 1892.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 291,784. A. OVERHOLT & COMPANY, Broadford, Pa. Filed Oct. 30, 1929.



The trade mark consists of the portrait of an Overholt deceased.

For Whiskey.
Claims use since Aug. 1, 1888.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 271,777. SOCIETA' INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.



For Manufactured Leather Which has been Cut into Various and Particular Shapes Suitable for Making Covers, Cases, or Containers for the Following Articles: Cameras, Opera Glasses, Binoculars, Telescopes, Drink Shakers, Thermos Bottles, Pocket Flasks, Typewriters, Calculators, and Similar Machines; Shoe-Trees, and Bootjacks; Wall and Floor Coverings Fabricated from the Manufactured Leather; Bootjacks and Shoe-Trees; Covers for Typewriters, Calculators, and Similar Machines.
Claims use since July 15, 1927.

Ser. No. 271,782. SOCIETA' INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.

SALPA

For Manufactured Leather Which has been Cut into Various and Particular Shapes Suitable for Making Covers, Cases or Containers for the Following Articles: Cameras, Opera Glasses, Binoculars, Telescopes, Drink Shakers, Thermos Bottles, Pocket Flasks, Typewriters, Calculators, and Similar Machines; Shoe-Trees, and Bootjacks; Wall and Floor Coverings Fabricated from Manufactured Leather; Bootjacks and Shoe-Trees; Covers for Typewriters, Calculators, and Similar Machines.
Claims use since July 15, 1927.

Ser. No. 286,169. WM. E. HOOPER & SONS CO., Woodberry, Baltimore, Md. Filed June 26, 1929.

SILVER RAY

For Waterproof Fabric and Waterproof Cotton Duck.
Claims use since Apr. 1, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 24, 1929

265,254. MEN'S AND BOYS' CLOTHING—NAMELY, COATS, PANTS, TROUSERS, VESTS, AND OVERCOATS. E. M. KAHN & COMPANY, Dallas, Tex. Filed June 29, 1929. Serial No. 286,371. PUBLISHED OCTOBER 8, 1929. Class 39.

265,255. BOYS', STUDENTS' AND YOUNG MEN'S TROUSERS, SUITS, OVERCOATS, TOPCOATS, SHEEP-LINED COATS, AND LEATHER COATS. KLINE BROTHERS CO., New York, N. Y. Filed July 3, 1929. Serial No. 286,572. PUBLISHED OCTOBER 8, 1929. Class 39.

265,256. SECTIONS OR COLUMNS OF DAILY NEWS-PAPERS. BOSTON PUBLISHING COMPANY, Boston, Mass. Filed July 22, 1929. Serial No. 287,448. PUBLISHED OCTOBER 8, 1929. Class 38.

265,257. WORK CLOTHES—NAMELY, OVERALLS, WORK PANTS, WORK SHIRTS, AND AUTOMOBILE SUITS. CRAWFORD-AUSTIN MANUFACTURING COMPANY, Waco, Tex. Filed July 24, 1929. Serial No. 287,561. PUBLISHED OCTOBER 15, 1929. Class 39.

265,258. INFANTS' WEAR—NAMELY, BATH ROBES, BUNTINGS, SACQUES, AND FLANNELETTES IN THE NATURE OF FLANNEL NIGHTGOWNS AND GERTRUDES. ROSIE ROSEN, doing business as B. Rosen, New York, N. Y. Filed July 31, 1929. Serial No. 287,945. PUBLISHED OCTOBER 8, 1929. Class 39.

265,259. CHEMISES, NIGHTGOWNS, PAJAMAS, ETC. THE PATRICIA PETTICOAT CO. INC., New York, N. Y. Filed August 2, 1929. Serial No. 288,035. PUBLISHED OCTOBER 8, 1929. Class 39.

265,260. WOMEN'S COATS. HARRY APPEL, New York, N. Y. Filed August 6, 1929. Serial No. 288,160. PUBLISHED OCTOBER 8, 1929. Class 39.

265,261. WOMEN'S COATS, FROCKS, SKIRTS, DRESSES. JACOB HINDES, doing business as Jacob Hindes Company, New York, N. Y. Filed August 6, 1929. Serial No. 288,189. PUBLISHED OCTOBER 15, 1929. Class 39.

265,262. MEN'S DRESS SHIRTS. COOPER-TRITT CO., Jacksonville, Fla. Filed August 7, 1929. Serial No. 288,127. PUBLISHED OCTOBER 15, 1929. Class 39.

265,263. MEN'S AND BOYS' DRESS, NEGLIGEE, OR WORK SHIRTS, BLOUSES, AND WINDBREAKERS MADE OF COTTON, LINEN, WOOL, FLANNEL, WORSTED, RAYON, SILK, AND OTHER TEXTILES. H. D. BOB COMPANY INC., New York, N. Y. Filed August 14, 1929. Serial No. 288,514. PUBLISHED OCTOBER 15, 1929. Class 39.

265,264. VEHICLE TIRES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC AND INNER TUBES THEREFOR. THE NORTHERN RUBBER COMPANY, Barberton and Akron, Ohio. Filed August 31, 1929. Serial No. 289,243. PUBLISHED OCTOBER 8, 1929. Class 35.

265,265. MEN'S AND BOYS' OUTER GARMENTS—NAMELY, SUITS, COATS, VESTS, AND TROUSERS. LOUIS H. MANKO, doing business as L. H. Manko & Company, and National Summer Clothing Company, Philadelphia, Pa. Filed June 4, 1929. Serial No. 285,031. PUBLISHED OCTOBER 15, 1929. Class 39.

265,266. WOMEN'S COATS AND SUITS. WERTHEIMER-WOLDENBERG CO., Chicago, Ill. Filed June 8, 1929. Serial No. 285,314. PUBLISHED OCTOBER 15, 1929. Class 39.

265,267. PANTS, OVERALLS; DRESS, NEGLIGEE, AND WORK SHIRTS; LUMBERJACKS, ONE-PIECE SUITS FOR MEN AND BOYS. MILLER BROTHERS, Houston, Tex. Filed June 26, 1929. Serial No. 286,188. PUBLISHED OCTOBER 8, 1929. Class 39.

265,268. DAILY PUBLICATION. TODAY IN NEW YORK, New York, N. Y. Filed July 30, 1929. Serial No. 287,892. PUBLISHED OCTOBER 8, 1929. Class 38.

265,269. ABRASIVE STONES FOR ABRADING, SHARPENING, CUTTING, CLEANING, AND POLISHING PURPOSES. PIKE MANUFACTURING CO., Pike, N. H. Filed August 3, 1929. Serial No. 288,086. PUBLISHED OCTOBER 8, 1929. Class 4.

265,270. DRY CLEANER, METAL POLISH, PAINT CLEANER, GLOVE CREME, SHOE DRESSINGS, SOFT-SOAP CLEANER, SILVER POLISH. CARDINAL LABORATORIES, INC., Chicago, Ill. Filed June 15, 1929. Serial No. 285,621. PUBLISHED OCTOBER 8, 1929. Class 4.

265,271. PAMPHLETS, BOOKLETS, CATALOGS, AND BROCHURES. SUSAN S. ALBERTS, Chevy Chase and St. Leonard, Md. Filed June 20, 1929. Serial No. 285,841. PUBLISHED OCTOBER 8, 1929. Class 38.

265,272. PRINTING AND WRITING PAPER COMMONLY EMPLOYED FOR CHECKS, DRAFTS, TICKETS, CERTIFICATES, ETC. THE PERFECT SAFETY PAPER COMPANY, Holyoke, Mass. Filed June 26, 1929. Serial No. 286,190. PUBLISHED OCTOBER 8, 1929. Class 37.

265,273. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg. Filed June 27, 1929. Serial No. 286,260. PUBLISHED OCTOBER 8, 1929. Class 37.

265,274. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg. Filed June 27, 1929. Serial No. 286,261. PUBLISHED OCTOBER 8, 1929. Class 37.

265,275. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg. Filed June 27, 1929. Serial No. 286,262. PUBLISHED OCTOBER 8, 1929. Class 37.

265,276. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg. Filed June 27, 1929. Serial No. 286,263. PUBLISHED OCTOBER 8, 1929. Class 37.

265,277. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg. Filed June 27, 1929. Serial No. 286,264. PUBLISHED OCTOBER 8, 1929. Class 37.

265,278. COMIC STRIPS. ROBERT G. LINDSEY, doing business as Bob Lindsay, Cleveland, Ohio. Filed July 19, 1929. Serial No. 287,352. PUBLISHED OCTOBER 8, 1929. Class 38.

265,279. CARDBOARDS, BRISTOL BOARDS, AND INDEX BRISTOLS. SEAMAN PAPER COMPANY, Chicago, Ill. Filed July 19, 1929. Serial No. 287,364. PUBLISHED OCTOBER 8, 1929. Class 37.

DECEMBER 24, 1929

U. S. PATENT OFFICE

829

265,280. ROTOGRAVURE PAPERS, PRINTING, WRITING, BOOK, AND COVER PAPERS. SEAMAN PAPER COMPANY, Chicago, Ill. Filed July 19, 1929. Serial No. 287,370. PUBLISHED OCTOBER 8, 1929. Class 37.

265,281. CRAYONS, PENCILS, PENS; HOLDERS FOR CRAYONS, PENCILS, AND PENS; CRAYON, PENCIL, AND PEN BOXES; WRITING PAPERS AND DRAWING PAPERS. SOCIETE ANONYME CRAYONS CONTE, Regny, France. Filed July 19, 1929. Serial No. 287,374. PUBLISHED OCTOBER 8, 1929. Class 37.

265,282. ART SLATES. LEWIS E. MYERS & COMPANY, Valparaiso, Ind., assignor to The Northern Trust Company and Harold H. Rockwell, as trustees. Filed July 29, 1929. Serial No. 287,334. PUBLISHED OCTOBER 8, 1929. Class 37.

265,283. SERIES OF PRINTED ARTICLES IN DAILY, WEEKLY, AND MONTHLY PUBLICATIONS. ALBERT RAPHAEL CUNEO, doing business as Carol Cuneo, Jersey City, N. J. Filed August 14, 1929. Serial No. 288,534. PUBLISHED OCTOBER 8, 1929. Class 38.

265,284. WAXED PAPER. ECONOMY PAPER COMPANY, Milwaukee, Wis. Filed July 24, 1929. Serial No. 287,575. PUBLISHED OCTOBER 8, 1929. Class 37.

265,285. WEEKLY POCKET DIRECTORY. GIZELLA SPRINGMAN, New York, N. Y. Filed July 25, 1929. Serial No. 287,675. PUBLISHED OCTOBER 8, 1929. Class 38.

265,286. REFILLABLE PENCILS. DUR-O-LITE PENCIL COMPANY, Chicago, Ill. Filed July 26, 1929. Serial No. 287,699. PUBLISHED OCTOBER 8, 1929. Class 37.

265,287. REFILLABLE PENCILS. DUR-O-LITE PENCIL COMPANY, Chicago, Ill. Filed July 26, 1929. Serial No. 287,700. PUBLISHED OCTOBER 8, 1929. Class 37.

265,288. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg. Filed June 27, 1929. Serial No. 286,269. PUBLISHED OCTOBER 8, 1929. Class 37.

265,289. MAGAZINES PUBLISHED EVERY MONTH. THE SUGARLAND INDUSTRIES, Sugar Land, Tex. Filed July 1, 1929. Serial No. 286,460. PUBLISHED OCTOBER 8, 1929. Class 38.

265,290. PERIODICAL. THE PUBLISHERS' FISCAL CORPORATION, New York, N. Y. Filed July 2, 1929. Serial No. 286,503. PUBLISHED OCTOBER 8, 1929. Class 38.

265,291. MAGAZINE. THE CROWELL PUBLISHING COMPANY, New York, N. Y. Filed July 6, 1929. Serial No. 286,718. PUBLISHED OCTOBER 8, 1929. Class 38.

265,292. PERIODICAL PUBLISHED QUARTERLY. THE UNITED STATES DAILY PUBLISHING CORPORATION, doing business as David Lawrence Publications, Washington, D. C. Filed July 12, 1929. Serial No. 287,029. PUBLISHED OCTOBER 8, 1929. Class 38.

265,293. SERIES OF CARTOONS. GEORGE R. GOULD, New Haven, Conn. Filed July 13, 1929. Serial No. 287,067. PUBLISHED OCTOBER 8, 1929. Class 38.

265,294. HYDROCARBON CLEANING SOLUTION. CONTI CLEANERS AND DYERS, INC., Akron, Ohio. Filed July 18, 1929. Serial No. 287,288. PUBLISHED OCTOBER 8, 1929. Class 4.

265,295. FOUNTAIN PENS. JESSIE M. HOOD, New York, N. Y. Filed July 19, 1929. Serial No. 287,349. PUBLISHED OCTOBER 8, 1929. Class 37.

265,296. PAINTS, VARNISHES, AND PAINT ENAMELS. GENERAL PAINT CORPORATION, San Francisco, Calif. Filed July 24, 1929. Serial No. 287,610. PUBLISHED OCTOBER 8, 1929. Class 16.

265,297. WHOLE-WHEAT CRACKERS OR BISCUITS ADAPTED FOR USE AS A BREAKFAST FOOD. WHEATSWORTH, INC., New York, N. Y. Filed July 26, 1929. Serial No. 287,726. PUBLISHED OCTOBER 15, 1929. Class 46.

265,298. RUBBER CEMENTS AND RUBBER GUMS. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudaby, Wis. Filed July 31, 1929. Serial No. 287,920. PUBLISHED OCTOBER 8, 1929. Class 5.

265,299. RUBBER CEMENTS AND RUBBER GUMS. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudaby, Wis. Filed July 31, 1929. Serial No. 287,921. PUBLISHED OCTOBER 8, 1929. Class 5.

265,300. WHEAT FLOUR. NORTHLAND MILLING COMPANY, Minneapolis, Minn. Filed July 8, 1929. Serial No. 286,792. PUBLISHED OCTOBER 15, 1929. Class 46.

265,301. HEAT-RESISTING PAINT. JOHN S. COX & SON, Terre Haute, Ind. Filed July 18, 1929. Serial No. 287,284. PUBLISHED OCTOBER 15, 1929. Class 16.

265,302. PAINTS, VARNISHES, ENAMELS, AND LACQUERS. THE SHERRIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed July 18, 1929. Serial No. 287,316. PUBLISHED OCTOBER 8, 1929. Class 16.

265,303. READY-MIXED PAINTS AND VARNISHES. EAGLE PAINT & VARNISH WORKS, INC., New York, N. Y. Filed July 19, 1929. Serial No. 287,339. PUBLISHED OCTOBER 8, 1929. Class 16.

265,304. CORRECTIVE FOOT APPLIANCES. WIZARD LIGHTFOOT APPLIANCE COMPANY, doing business as Tru Foot Company, St. Louis, Mo. Filed July 19, 1929. Serial No. 287,303. PUBLISHED OCTOBER 8, 1929. Class 44.

265,305. LIQUID PREPARATIONS IN THE NATURE OF LACQUER. W. H. S. LLOYD COMPANY, New York, N. Y. Filed July 20, 1929. Serial No. 287,416. PUBLISHED OCTOBER 15, 1929. Class 16.

265,306. ADHESIVES. KEM PRODUCTS CO. INC., Newark, N. J. Filed June 8, 1929. Serial No. 285,274. PUBLISHED OCTOBER 8, 1929. Class 5.

265,307. CONFECTIONERY, IN PARTICULAR HONEY CAKE. CH. DEMEL'S SOHN, Vienna, Austria. Filed June 14, 1929. Serial No. 285,550. PUBLISHED OCTOBER 15, 1929. Class 46.

265,308. MEAT SCRAPS, CHICKEN MASHES, AND PONE MEAL. PACKER PRODUCTS COMPANY, Cedar Rapids, Iowa. Filed June 24, 1929. Serial No. 286,073. PUBLISHED OCTOBER 8, 1929. Class 46.

265,309. POWDERED PAINT AND LIQUID PAINT. AZTEC PAINT PRODUCTS CO., Los Angeles, Calif. Filed July 1, 1929. Serial No. 286,413. PUBLISHED OCTOBER 15, 1929. Class 16.

265,310. CATHARTIC PREPARATION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed August 27, 1929. Serial No. 289,061. PUBLISHED OCTOBER 8, 1929. Class 6.

265,311. PREPARATION FOR REGULATING THE KIDNEYS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed August 27, 1929. Serial No. 289,082. PUBLISHED OCTOBER 8, 1929. Class 6.

265,312. PREPARATION FOR RELIEVING INDIGESTION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed August 27, 1929. Serial No. 289,083. PUBLISHED OCTOBER 8, 1929. Class 6.

265,313. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg.
Filed June 27, 1929. Serial No. 286,270. PUBLISHED OCTOBER 8, 1929. Class 37.

265,314. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg.
Filed June 27, 1929. Serial No. 286,271. PUBLISHED OCTOBER 8, 1929. Class 37.

265,315. BOND PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg.
Filed June 27, 1929. Serial No. 286,272. PUBLISHED OCTOBER 8, 1929. Class 37.

265,316. ANODYNE, RUBEFACIENT, ETC. EUGENIO BONCINA, doing business as Ello-Sinap Company, New York, N. Y.
Filed August 12, 1929. Serial No. 288,448. PUBLISHED OCTOBER 8, 1929. Class 6.

265,317. PERFUMES, TOILET WATERS, FACE POWDERS, ETC. MAURICE BLANCHET, PARFUMS DE LUXE, SOCIETE ANONYME, Suresnes, France.
Filed August 13, 1929. Serial No. 288,464. PUBLISHED OCTOBER 8, 1929. Class 6.

265,318. BALANCING THERMOSTATS. BALANSTAT CORPORATION, Springfield, Mass.
Filed August 15, 1929. Serial No. 288,543. PUBLISHED OCTOBER 8, 1929. Class 26.

265,319. FULL-FASHIONED STOCKINGS. BERKSHIRE KNITTING MILLS, Wyomissing, Pa.
Filed August 15, 1929. Serial No. 288,545. PUBLISHED OCTOBER 15, 1929. Class 39.

265,320. RAZOR BLADES. E. R. SQUIBB & SONS, New York, N. Y.
Filed August 19, 1929. Serial No. 288,732. PUBLISHED OCTOBER 8, 1929. Class 23.

265,321. JACKETS MADE OF TEXTILE MATERIAL AND USED FOR SKIING AND OTHER OUTDOOR SPORTS AND KNOWN AS SKI JACKETS, AND WORK SHIRTS. SWEET-ORR & CO. INC., Wappingers Falls and New York, N. Y.
Filed August 20, 1929. Serial No. 288,709. PUBLISHED OCTOBER 8, 1929. Class 39.

265,322. TABLETS FOR CONTROLLING PAIN AND SPASM DURING THE MENSTRUAL PERIOD. THE DANITE COMPANY, Chicago, Ill.
Filed August 13, 1929. Serial No. 288,467. PUBLISHED OCTOBER 8, 1929. Class 6.

265,323. LADIES', WOMEN'S, AND MISSES' DRESSES. GENERAL APPAREL CORPORATION OF AMERICA, New York, N. Y.
Filed August 24, 1929. Serial No. 288,956. PUBLISHED OCTOBER 15, 1929. Class 39.

265,324. SILK STOCKINGS. FRANK RUBENSTEIN & CO., Inc., New York, N. Y., New Orleans, La., and Houston and San Antonio, Tex.
Filed August 24, 1929. Serial No. 288,982. PUBLISHED OCTOBER 8, 1929. Class 39.

265,325. SILK STOCKINGS. FRANK RUBENSTEIN & CO., Inc., New York, N. Y., New Orleans, La., and Houston and San Antonio, Tex.
Filed August 24, 1929. Serial No. 288,983. PUBLISHED OCTOBER 8, 1929. Class 39.

265,326. MEN'S AND YOUNG MEN'S COATS, VESTS, TROUSERS, TOPCOATS, AND OVERCOATS. SHIREK & HIRSCH, INCORPORATED, New York, N. Y.
Filed August 24, 1929. Serial No. 288,984. PUBLISHED OCTOBER 15, 1929. Class 39.

265,327. HOSIERY. SLANE HOSIERY MILLS INC., High Point, N. C.
Filed August 28, 1929. Serial No. 289,133. PUBLISHED OCTOBER 15, 1929. Class 39.

265,328. PREPARATION TO BE USED IN THE TREATMENT OF PILES. LOUIS SOLOMONS, doing business as The Cloud File End Co., New York, N. Y.
Filed July 5, 1929. Serial No. 286,664. PUBLISHED OCTOBER 8, 1929. Class 6.

265,329. POWDER—NAMELY, TOILET POWDER AND BABY POWDER. LOCKWOOD BRACKETT CO., Boston, Mass.
Filed July 23, 1929. Serial No. 287,537. PUBLISHED OCTOBER 8, 1929. Class 6.

265,330. MEDICINE FOR CHILLS, FEVER, AND LA GRIPPE. MOORE DRUG COMPANY, Inc., New Orleans, La.
Filed July 25, 1929. Serial No. 287,670. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,331. LEAK-STOPPING COMPOUNDS, RUST-REMOVING COMPOUNDS, SOLDERING PASTE, PLUMBERS' SOIL, BOILER-CLEANING COMPOUNDS, DRAINPIPE-CLEANING COMPOUNDS. ROBERT FRITSCH, doing business as American Chemical & Engineering Co., Hawthorne, N. J.
Filed July 26, 1929. Serial No. 287,729. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,332. PREPARATION FOR TREATING CORNS AND CALLOUSES. WALTER NOWAK, doing business as Excellent Mfg. Co., Buffalo, N. Y.
Filed August 7, 1929. Serial No. 288,267. PUBLISHED OCTOBER 8, 1929. Class 6.

265,333. MEDICINE FOR INDIGESTION. WILLIAM E. GRANT, doing business as Peace Medical Company, Lancaster, Pa.
Filed August 9, 1929. Serial No. 288,332. PUBLISHED OCTOBER 8, 1929. Class 6.

265,334. MERCHANDISE-VENDING MACHINES. VENDOLA CORPORATION, New York, N. Y.
Filed August 12, 1929. Serial No. 288,444. PUBLISHED OCTOBER 8, 1929. Class 23.

265,335. INFANTS' RUBBER APRONS. HOOVER OPEN-FACE INFANT SANITARY APRON COMPANY, Woodland, Calif.
Filed July 6, 1929. Serial No. 286,725. PUBLISHED OCTOBER 8, 1929. Class 39.

265,336. WOMEN'S AND MISSES' APRONS AND DRESSES. LONG & SCHUMAN COMPANY, Waukegan, Ill.
Filed July 22, 1929. Serial No. 287,484. PUBLISHED OCTOBER 15, 1929. Class 39.

265,337. OUTER WEARING APPAREL MADE OF LAMBSKINS—NAMELY, FUR COATS FOR MEN, WOMEN, AND CHILDREN; JACKETS, CAPES, WRAPS, SCARFS, AND MUFFS FOR WOMEN; AND GLOVES. LAWRESCO, INC., New York, N. Y.
Filed July 23, 1929. Serial No. 287,534. PUBLISHED OCTOBER 8, 1929. Class 39.

265,338. PERIODICAL. THE SHADE PUBLISHING COMPANY, Philadelphia, Pa.
Filed August 23, 1929. Serial No. 288,926. PUBLISHED OCTOBER 8, 1929. Class 38.

265,339. LAXATIVES. TIGER DRUG CO. INC., doing business as Albee Drug Company, Brooklyn, N. Y.
Filed July 8, 1929. Serial No. 286,802. PUBLISHED OCTOBER 8, 1929. Class 6.

265,340. POWDERED CHEMICAL NEUTRALIZER USED IN THE DAIRY INDUSTRY FOR REDUCING THE ACID IN CREAM BEFORE CHURNING. HIGLEY CHEMICAL COMPANY, Dubuque, Iowa.
Filed July 8, 1929. Serial No. 286,772. PUBLISHED OCTOBER 8, 1929. Class 6.

265,341. HATS FOR MEN, WOMEN, AND CHILDREN. NATIONAL PANAMA HAT COMPANY, INC., New York, N. Y.
Filed July 1, 1929. Serial No. 286,467. PUBLISHED OCTOBER 8, 1929. Class 39.

265,342. MEN'S AND BOYS' CAPS. JOSEPH GOLDSTEIN, New York, N. Y.
Filed July 1, 1929. Serial No. 286,430. PUBLISHED OCTOBER 8, 1929. Class 39.

265,343. CHEMICAL COMPOUND IN POWDERED FORM TO BE APPLIED TO AND INSERTED INTO BATTERIES DESIGNED TO INCREASE THE EFFICIENCY THEREOF. GOODYEAR CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 20, 1929. Serial No. 285,857. PUBLISHED OCTOBER 8, 1929. Class 6.

265,344. INSECTICIDAL PREPARATION FOR THE DESTRUCTION OF INSECTS. MILLER PRODUCTS COMPANY, Portland, Oreg.
Filed June 13, 1929. Serial No. 285,526. PUBLISHED OCTOBER 8, 1929. Class 6.

265,345. HAND TOOLS FOR CAPPING BOTTLES. CROWN CORK & SEAL COMPANY, INC., New York, N. Y.
Filed June 7, 1929. Serial No. 285,198. PUBLISHED OCTOBER 8, 1929. Class 23.

265,346. HAND TOOLS FOR CAPPING BOTTLES. CROWN CORK & SEAL COMPANY, INC., New York, N. Y.
Filed June 7, 1929. Serial No. 285,197. PUBLISHED OCTOBER 8, 1929. Class 23.

265,347. TECHNICAL MONTHLY PUBLICATION. AMERICAN VETERINARY MEDICAL ASSOCIATION, Detroit, Mich.
Filed August 23, 1929. Serial No. 288,895. PUBLISHED OCTOBER 8, 1929. Class 38.

265,348. NEWSPAPER ARTICLES. THE ASSOCIATED PRESS, New York, N. Y.
Filed August 21, 1929. Serial No. 288,774. PUBLISHED OCTOBER 8, 1929. Class 38.

265,349. MAGAZINES—NAMELY, A MONTHLY MAGAZINE. JAMES W. LOWRIE, Chicago, Ill.
Filed August 19, 1929. Serial No. 288,713. PUBLISHED OCTOBER 8, 1929. Class 38.

265,350. MONTHLY PUBLICATION. RALPH C. KARLOVAC, doing business as Flying Review Publishing Company, Cleveland, Ohio.
Filed August 19, 1929. Serial No. 288,710. PUBLISHED OCTOBER 8, 1929. Class 38.

265,351. MONTHLY MAGAZINE. PARENTS' PUBLISHING ASSOCIATION, INC., New York, N. Y.
Filed August 16, 1929. Serial No. 288,620. PUBLISHED OCTOBER 8, 1929. Class 38.

265,352. SECTIONS OF NEWSPAPERS. SILAS F. SEADLER, New York, N. Y.
Filed August 13, 1929. Serial No. 288,468. PUBLISHED OCTOBER 8, 1929. Class 38.

265,353. SECTIONS OF NEWSPAPERS. SILAS F. SEADLER, New York, N. Y.
Filed August 13, 1929. Serial No. 288,487. PUBLISHED OCTOBER 8, 1929. Class 38.

265,354. BIMONTHLY PERIODICAL. LIONEL TRADING CO. INC., New York, N. Y.
Filed August 6, 1929. Serial No. 288,200. PUBLISHED OCTOBER 8, 1929. Class 38.

265,355. MAGAZINE, NEWSPAPER, BULLETIN, OR JOURNAL. SAN FRANCISCO STOCK EXCHANGE INSTITUTE, San Francisco, Calif.
Filed August 3, 1929. Serial No. 288,089. PUBLISHED OCTOBER 8, 1929. Class 38.

265,356. TOOTHBRUSHES. THE CUTINO COMPANY, Kansas City, Mo.
Filed September 6, 1929. Serial No. 289,390. PUBLISHED OCTOBER 15, 1929. Class 29.

265,357. TOOTHBRUSHES. DEPTRO LABORATORIES, Portland, Me.
Filed September 5, 1929. Serial No. 289,345. PUBLISHED OCTOBER 15, 1929. Class 29.

265,358. MATTRESSES. THE STEARNS & FOSTER COMPANY, Lockland, Ohio.
Filed August 30, 1929. Serial No. 289,212. PUBLISHED OCTOBER 8, 1929. Class 32.

265,359. MATTRESSES, BED SPRINGS, COTS, PILLOWS, DAY BEDS, AND BOX SPRINGS. TRU-REST BEDDING COMPANY, Washington, D. C.
Filed August 27, 1929. Serial No. 289,091. PUBLISHED OCTOBER 8, 1929. Class 32.

265,360. INTERNAL PREPARATION FOR SKIN DISEASES. WILLIAM B. CARROLL, Sydney, Nova Scotia, Canada.
Filed August 27, 1929. Serial No. 289,064. PUBLISHED OCTOBER 8, 1929. Class 6.

265,361. TIME-INDICATING APPARATUS—NAMELY, CLOCKS. BENJAMIN A. SCHIFF, Chicago, Ill.
Filed August 19, 1929. Serial No. 288,728. PUBLISHED OCTOBER 15, 1929. Class 27.

265,362. WRIST WATCHES. WESTFIELD WATCH COMPANY, INC., New York, N. Y.
Filed August 17, 1929. Serial No. 288,682. PUBLISHED OCTOBER 15, 1929. Class 27.

265,363. MEN'S, WOMEN'S, AND CHILDREN'S STRAW, FELT, AND PANAMA HATS. BRONSTON BROS. & CO., Inc., New York, N. Y.
Filed August 2, 1929. Serial No. 288,008. PUBLISHED OCTOBER 8, 1929. Class 39.

265,364. MEN'S, WOMEN'S, AND CHILDREN'S STRAW, FELT, AND PANAMA HATS. BRONSTON BROS. & CO., Inc., New York, N. Y.
Filed August 2, 1929. Serial No. 288,007. PUBLISHED OCTOBER 8, 1929. Class 39.

265,365. MEN'S, WOMEN'S, AND CHILDREN'S STRAW, FELT, AND PANAMA HATS, CAPS, AND BERETS. BRONSTON BROS. & CO., Inc., New York, N. Y.
Filed August 2, 1929. Serial No. 288,004. PUBLISHED OCTOBER 8, 1929. Class 39.

265,366. WETTING-OUT AGENT USED TO ASSIST THE PENETRATION OF THE DYE IN THE DYEING OF LEATHER OR OTHER FIBRES. ROHM & HAAS COMPANY, Philadelphia, Pa.
Filed July 31, 1929. Serial No. 287,899. PUBLISHED OCTOBER 1, 1929. Class 6.

265,367. TOOTH PASTE. KERMIT V. CHADWICK, doing business as Korectine Laboratories, Jackson and Drew, Miss.
Filed July 30, 1929. Serial No. 287,866. PUBLISHED OCTOBER 8, 1929. Class 6.

265,368. LEATHER SHOES. CHARLES L. BOWER, Seattle, Wash.
Filed July 29, 1929. Serial No. 287,790. PUBLISHED OCTOBER 8, 1929. Class 39.

265,369. INSECTICIDES. STANCO INCORPORATED, New York, N. Y.
Filed July 24, 1929. Serial No. 287,628. PUBLISHED OCTOBER 8, 1929. Class 6.

265,370. COTTON CANVAS WORK GLOVES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed July 24, 1929. Serial No. 287,590. PUBLISHED OCTOBER 8, 1929. Class 39.

265,371. COTTON CANVAS WORK GLOVES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed July 24, 1929. Serial No. 287,589. PUBLISHED OCTOBER 8, 1929. Class 39.

265,372. LIQUID PREPARATIONS INTENDED TO BE APPLIED ON WALL PAPER TO PRESERVE THE SAME. W. H. S. LLOYD COMPANY, New York, N. Y.
Filed July 20, 1929. Serial No. 287,417. PUBLISHED OCTOBER 8, 1929. Class 6.

265,373. BOOTS AND SHOES MADE OF LEATHER OR FABRIC OR OF A COMBINATION OF LEATHER AND FABRIC. THE HARTT BOOT AND SHOE COMPANY LIMITED, Fredericton, New Brunswick, Canada.
Filed July 20, 1929. Serial No. 287,411. PUBLISHED OCTOBER 8, 1929. Class 30.

265,374. TOMATO CATSUP, CANNED TOMATO CONCENTRATE, CANNED PORK AND BEANS, AND CANNED VEGETABLES. EDWARD V. STOCKHAM, Inc., Havre de Grace, Md.
Filed July 12, 1929. Serial No. 287,023. PUBLISHED OCTOBER 8, 1929. Class 46.

265,375. CERTAIN NAMED HAIRDRESSING IMPLEMENTS. R. F. PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed July 11, 1929. Serial No. 286,953. PUBLISHED OCTOBER 8, 1929. Class 40.

265,376. BREAD. HERMAN DRYER, doing business at H. M. Dreyer's Bakery, Los Angeles, Calif.
Filed March 5, 1929. Serial No. 280,226. PUBLISHED OCTOBER 15, 1929. Class 46.

265,377. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed February 25, 1929. Serial No. 279,839. PUBLISHED OCTOBER 15, 1929. Class 22.

265,378. WHEAT FLOUR AND SELF-RISING WHEAT FLOUR. CITY MILLS COMPANY, Columbus, Ga.
Filed February 18, 1929. Serial No. 279,533. PUBLISHED OCTOBER 15, 1929. Class 46.

265,379. TOY RATTLES. CHARLES H. DIETZ, Sr., doing business as The Kirchhof Patent Company, Newark, N. J.
Filed February 11, 1929. Serial No. 279,148. PUBLISHED OCTOBER 15, 1929. Class 22.

265,380. WHEAT GRAYSHORTS, WHEAT-BRAN POULTRY FEED, AND GRAIN MEAL. ROSDALE MILLING COMPANY, Rosedale Station, Kansas City, Kans.
Filed January 3, 1929. Serial No. 277,555. PUBLISHED OCTOBER 15, 1929. Class 46.

265,381. BREAD. ALF H. SANDEN, doing business as Viking Bakery Co., Portland, Oreg.
Filed December 26, 1928. Serial No. 277,223. PUBLISHED OCTOBER 15, 1929. Class 46.

265,382. BRONCHIAL ELIXIR, CROUP EMULSION, COLD CREAM, ETC. AUG. G. REIMER, doing business as Reimer's Laboratories, Chicago, Ill.
Filed June 3, 1929. Serial No. 284,996. PUBLISHED OCTOBER 8, 1929. Class 6.

265,383. SCALP OINTMENT, FACIAL CREAM, SKIN LOTION, TOILET WATER, AND PERFUMES. LEZAR LABORATORIES, Jersey City, N. J.
Filed May 13, 1929. Serial No. 283,925. PUBLISHED OCTOBER 8, 1929. Class 6.

265,384. BLOOD-PURIFYING MEDICINE. LUCKY SUE, Chicago, Ill.
Filed May 10, 1929. Serial No. 283,817. PUBLISHED OCTOBER 8, 1929. Class 6.

265,385. CIGAR AND CIGARETTE LIGHTER WICKS AND FLINTS. ABRAHAM GOODMAN, Cincinnati, Ohio.
Filed April 1, 1929. Serial No. 281,661. PUBLISHED SEPTEMBER 24, 1929. Class 34.

265,386. HAMMERS, AXES, HATCHETS, PICKS, SHOVELS, AND WRENCHES. CANADA FOUNDRIES & FORGINGS LIMITED, Brockville, Ontario, Canada.
Filed March 5, 1929. Serial No. 280,220. PUBLISHED OCTOBER 8, 1929. Class 23.

265,387. MEDICINES—NAMES, LAXATIVES. J. G. MASON, doing business as Prune Products Co., Swainsboro, Ga.
Filed March 1, 1929. Serial No. 280,133. PUBLISHED SEPTEMBER 24, 1929. Class 6.

265,388. MEN'S FOUR-IN-HAND TIES, BOW TIES, BATHING TIES, NECK SCARFS, AND MUFFLERS. CHARLES E. STOCKS, doing business as Me-We, El Paso, Tex.
Filed May 31, 1929. Serial No. 284,876. PUBLISHED OCTOBER 15, 1929. Class 39.

265,389. PLAY SUITS. INTERSTATE FACTORIES, INC., Indianapolis, Ind.
Filed May 18, 1929. Serial No. 284,266. PUBLISHED OCTOBER 15, 1929. Class 39.

265,390. COATS, SPORT COATS, SKATING COATS, OVERCOATS, MACKINAWs, BLAZERS, STAG SHIRTS, AND SPORT SHIRTS, ALL FOR MEN, WOMEN, AND CHILDREN. S. M. POLANS CO., Duluth, Minn.
Filed April 29, 1929. Serial No. 283,218. PUBLISHED OCTOBER 8, 1929. Class 39.

265,391. HOSIERY. VARSITY HOSIERY CORPORATION, New York, N. Y.
Filed April 24, 1929. Serial No. 282,961. PUBLISHED OCTOBER 15, 1929. Class 39.

265,392. MEN'S AND BOYS' CLOTHING AND FURNISHINGS. ROSSMAN, INC., St. Paul, Minn.
Filed February 2, 1929. Serial No. 278,810. PUBLISHED OCTOBER 8, 1929. Class 39.

265,393. CUFF PROTECTORS. MANNING & MANNING, Chicago, Ill.
Filed January 30, 1929. Serial No. 278,652. PUBLISHED OCTOBER 8, 1929. Class 39.

265,394. TAM O' SHANTERS AND BERETS. ANDERSON & WRITER CORP., New York, N. Y.
Filed May 24, 1929. Serial No. 284,558. PUBLISHED OCTOBER 8, 1929. Class 39.

265,395. PILE FABRICS IN THE PIECE. E. F. TIMME & SON, New York, N. Y.
Filed May 10, 1929. Serial No. 283,824. PUBLISHED AUGUST 6, 1929. Class 42.

265,396. CANNED CORN. THE W. C. PRESSING CANNING CO., Norwalk, Ohio.
Filed May 9, 1929. Serial No. 283,767. PUBLISHED JUNE 25, 1929. Class 46.

265,397. ELECTRICAL MEASURING INSTRUMENTS. SUPREME INSTRUMENT CORPORATION, Greenwood, Miss.
Filed April 18, 1929. Serial No. 282,621. PUBLISHED OCTOBER 15, 1929. Class 26.

265,398. GEARS, INTERNAL AND EXTERNAL SPLINES, AND LAPPING AND HONING MACHINES. GEAR PROCESSING, INC., Cleveland, Ohio.
Filed April 11, 1929. Serial No. 282,234. PUBLISHED OCTOBER 15, 1929. Class 23.

265,399. AUTOMOBILE WASHING APPARATUS. WOODIE W. HAWKINS, Fort Worth, Tex.
Filed April 4, 1929. Serial No. 281,831. PUBLISHED OCTOBER 15, 1929. Class 23.

265,400. CARBON PAPER. CONTINENTAL CARBON CORPORATION, Chicago, Ill.
Filed March 21, 1929. Serial No. 281,075. PUBLISHED OCTOBER 15, 1929. Class 11.

265,401. WATCHES, WATCHCASES, CLOCK MOVEMENTS, AND SUNDIALS. JULIEN PIERRE LE GODAIS, Toronto, Ontario, Canada, and Brooklyn, N. Y.
Filed February 23, 1929. Serial No. 279,796. PUBLISHED OCTOBER 15, 1929. Class 27.

265,402. PAPER TOWELS. CROWN ZELLERBACH CORPORATION, San Francisco, Calif.
Filed May 22, 1929. Serial No. 284,446. PUBLISHED OCTOBER 8, 1929. Class 37.

265,403. HEADING FOR AN ANNUAL SECTION OF A NEWSPAPER. HOUSTON PRINTING COMPANY, Houston, Tex.
Filed May 11, 1929. Serial No. 283,871. PUBLISHED OCTOBER 8, 1929. Class 38.

265,404. REFILLABLE PENCILS. DUN-O-LITE PENCIL COMPANY, Chicago, Ill.
Filed February 25, 1929. Serial No. 279,837. PUBLISHED OCTOBER 8, 1929. Class 37.

265,405. ELASTIC ATHLETIC EXERCISERS. ROY H. NOE, doing business as Roy H. Noe, Inc., Memphis, Tenn.
Filed June 3, 1929. Serial No. 284,949. PUBLISHED OCTOBER 8, 1929. Class 22.

265,406. BAKERY PRODUCTS—NAMES, CAKES, COOKIES, BREAD, PIES, ROLLS, DOUGHNUTS, CREAM PUFFS, CRACKERS, FIG BARS, PRETZELS. HARRY G. CUBBISON, doing business as Cubbison Cracker Co., Los Angeles, Calif.
Filed May 22, 1929. Serial No. 284,447. PUBLISHED OCTOBER 15, 1929. Class 46.

265,407. BILL FOLDS, CARDCASES, HAND BAGS, LEATHER BAGS, BRIEF CASES, STATIONERY CASES, POCKET LETTER-FILE CASES, PURSES, PORTFOLIOS, POCKETBOOKS, AND SAMPLE BAGS AND CASES, LEATHER IDENTIFICATION TAGS FOR LUGGAGE, TRAVELING TOILET CASES. LOUIS F. DOW CO., St. Paul, Minn.
Filed May 15, 1929. Serial No. 284,031. PUBLISHED OCTOBER 8, 1929. Class 3.

265,408. PIES. S. GUMPERT CO. INC., Brooklyn, N. Y.
Filed May 7, 1929. Serial No. 283,610. PUBLISHED OCTOBER 8, 1929. Class 46.

265,409. CHICKEN SCRATCH GRAINS AND PEARL GRITS. KALMBACH-BURCKETT CO. INC., Shreveport, La.
Filed May 6, 1929. Serial No. 283,568. PUBLISHED OCTOBER 8, 1929. Class 46.

265,410. TRUNKS, VALISES, WARDROBE CASES, HAND CARRYING CASES, HAND TRUNKS, SUITCASES; HATBOXES OF LEATHER, ARTIFICIAL LEATHER, FABRIC, OR FIBER; BRIEF CASES, AND TRAVELING BAGS. THE LILLEY COMPANY, Columbus, Ohio.
Filed April 4, 1929. Serial No. 281,837. PUBLISHED MAY 28, 1929. Class 3.

265,411. BEACH BAGS. A. STEIN & COMPANY, Chicago, Ill.
Filed April 12, 1929. Serial No. 282,322. PUBLISHED JUNE 18, 1929. Class 3.

265,412. SANITARY BELT. FANNIE C. SPENCER, Chicago, Ill.
Filed April 1, 1929. Serial No. 281,705. PUBLISHED OCTOBER 8, 1929. Class 44.

265,413. SANITARY BELTS. KOTEX COMPANY, Chicago, Ill.
Filed March 5, 1929. Serial No. 280,260. PUBLISHED OCTOBER 15, 1929. Class 44.

265,414. NEGLIGENCE SHIRTS. SUSQUEHANNA SHIRT COMPANY, Philadelphia, Pa.
Filed August 17, 1929. Serial No. 288,672. PUBLISHED OCTOBER 8, 1929. Class 39.

265,415. READY-MIXED PAINTS AND PAINT ENAMELS. BENSON PAINT & VARNISH CO., Birmingham, Ala.
Filed August 3, 1929. Serial No. 288,059. PUBLISHED OCTOBER 8, 1929. Class 16.

265,416. PAINTS IN READY-MIXED FORM. BENSON PAINT & VARNISH CO., Birmingham, Ala.
Filed August 3, 1929. Serial No. 288,057. PUBLISHED OCTOBER 8, 1929. Class 16.

265,417. PAINTER'S SIZE AND WALL SIZING. BENSON PAINT & VARNISH CO., Birmingham, Ala.
Filed August 3, 1929. Serial No. 288,056. PUBLISHED OCTOBER 8, 1929. Class 16.

265,418. PAINTS IN PASTE FORM. BENSON PAINT & VARNISH CO., Birmingham, Ala.
Filed August 3, 1929. Serial No. 288,055. PUBLISHED OCTOBER 8, 1929. Class 16.

265,419. TOY WAGONS. LAWRENCE D. ELLIS, doing business as Ellis Machine & Tool Company, Toledo, Ohio.
Filed August 17, 1929. Serial No. 288,645. PUBLISHED OCTOBER 15, 1929. Class 22.

265,420. GOLF BALLS. A. G. SPALDING & BROS., New York, N. Y.
Filed August 14, 1929. Serial No. 288,526. PUBLISHED OCTOBER 15, 1929. Class 22.

265,421. CERTAIN NAMED PAINT PRODUCTS. RE-NU-IT CORPORATION, Salt Lake City, Utah.
Filed August 12, 1929. Serial No. 288,434. PUBLISHED OCTOBER 15, 1929. Class 16.

265,422. CEREAL BREAKFAST FOOD. MAIZO WHEAT COMPANY, Minneapolis, Minn.
Filed August 7, 1929. Serial No. 288,248. PUBLISHED OCTOBER 8, 1929. Class 46.

265,423. ARTISTS' PAINTS, COLORS, AND PIGMENTS. B. K. ELLIOTT COMPANY, Pittsburgh, Pa.
Filed August 5, 1929. Serial No. 288,114. PUBLISHED OCTOBER 15, 1929. Class 16.

265,424. BILL FOLDS. JOHN T. KENTER, INCORPORATED, Newark, N. J.
Filed September 7, 1929. Serial No. 289,465. PUBLISHED OCTOBER 15, 1929. Class 3.

265,425. WHEAT FLOUR. PLANT FLOUR MILLS COMPANY, St. Louis, Mo.
Filed September 6, 1929. Serial No. 289,417. PUBLISHED OCTOBER 15, 1929. Class 46.

265,426. GAS MASKS. DEUTSCHE GASLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany.
Filed September 5, 1929. Serial No. 289,346. PUBLISHED OCTOBER 15, 1929. Class 44.

265,427. BREAD. PROPLES PASTRY & BAKING CO., Detroit, Mich.
Filed August 31, 1929. Serial No. 289,246. PUBLISHED OCTOBER 8, 1929. Class 46.

265,428. WHEAT BRAN, WHEAT MIXED FEED, WHEAT GREY SHORTS, HORSE AND MULE FEEDS, POULTRY FEEDS, AND DAIRY FEEDS. SAXONY MILLS, St. Louis, Mo.
Filed August 28, 1929. Serial No. 289,131. PUBLISHED OCTOBER 8, 1929. Class 46.

265,429. METAL FOR SWAGED-BASE DENTURES. BAKER & COMPANY, INC., Newark, N. J.
Filed August 28, 1929. Serial No. 289,095. PUBLISHED OCTOBER 15, 1929. Class 44.

265,430. MEDICATED HANDKERCHIEF. WITHERELL & BROOME, New York, N. Y.
Filed August 26, 1929. Serial No. 289,057. PUBLISHED OCTOBER 8, 1929. Class 44.

265,431. ELECTRIC THERAPEUTIC DEVICE FOR THE TREATMENT OF DISEASES OF THE RECTUM AND GENITO-URINARY ORGANS. ULTRA-VIOLET GENERATOR CORPORATION, Chicago, Ill.
Filed August 23, 1929. Serial No. 288,938. PUBLISHED OCTOBER 8, 1929. Class 44.

265,432. RICE. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y.
Filed August 23, 1929. Serial No. 288,930. PUBLISHED OCTOBER 8, 1929. Class 46.

265,433. HAND BAGS, HATBOXES, TRUNKS, ETC. L. BAMBERGER & CO., Newark, N. J.
Filed August 22, 1929. Serial No. 288,890. PUBLISHED OCTOBER 15, 1929. Class 3.

265,434. GOLF BALLS, GOLF CLUBS, GOLF BAGS, AND GOLF TEES. THE RAYMOND TRIGGER CO., INC., New York, N. Y.
Filed August 19, 1929. Serial No. 288,725. PUBLISHED OCTOBER 15, 1929. Class 22.

265,435. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUP, EXTRACTS, AND CONCENTRATES FOR MAKING THE SAME. GEO. RASMUSSEN CO., Chicago, Ill.
Filed February 6, 1928. Serial No. 261,300. PUBLISHED OCTOBER 8, 1929. Class 45.

265,436. RAYON YARN. THE VISCOSE COMPANY, Marcus Hook, Pa.
Filed March 9, 1928. Serial No. 262,578. PUBLISHED OCTOBER 30, 1928. Class 43.

265,437. DRESS SILKS. BLOOMSBURG SILK MILL, Bloomsburg, Pa., and New York, N. Y.
Filed April 9, 1928. Serial No. 264,555. PUBLISHED NOVEMBER 6, 1928. Class 42.

265,438. SODA FOUNTAINS. I. FISCHMAN & SONS, Philadelphia, Pa.
Filed June 29, 1928. Serial No. 268,862. PUBLISHED OCTOBER 8, 1929. Class 23.

- 265,439. COTTON AND WOOLEN RUGS. NATIONAL RUG & HAMMOCK MILLS, Milwaukee, Wis. Filed January 24, 1927. Serial No. 243,276. PUBLISHED OCTOBER 8, 1929. Class 42.
- 265,440. COIN ASSORTING AND COUNTING MACHINES. STANDARD-JOHNSON COMPANY, INC., Brooklyn, N. Y. Filed December 4, 1928. Serial No. 276,278. PUBLISHED OCTOBER 8, 1929. Class 26.
- 265,441. DENTIFRICE. THE AMERICAN PRODUCTS COMPANY, doing business as Dentex Laboratories, Cincinnati, Ohio. Filed November 12, 1928. Serial No. 275,143. PUBLISHED DECEMBER 25, 1928. Class 6.
- 265,442. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS; MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS; AND MEN'S, AND WOMEN'S, AND CHILDREN'S UNDERWEAR MADE OF KNITTED AND TEXTILE FABRIC. LEBANON SHIRT COMPANY, Lebanon, Pa., and New York, N. Y. Filed October 13, 1928. Serial No. 273,771. PUBLISHED FEBRUARY 5, 1929. Class 39.
- 265,443. WINDOW-SHADE ROLLERS. CINCH MANUFACTURING CORPORATION, Chicago, Ill. Filed September 4, 1928. Serial No. 271,879. PUBLISHED OCTOBER 8, 1929. Class 32.

- 265,444. WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. CINCH MANUFACTURING CORPORATION, Chicago, Ill. Filed September 4, 1928. Serial No. 271,877. PUBLISHED OCTOBER 15, 1929. Class 29.
- 265,445. CARBURETORS, AIR CLEANERS FOR CARBURETORS, AND HANDLEBAR-CONTROL MECHANISM FOR INTERNAL-COMBUSTION ENGINES. AMALGAMATED CARBURETTORS LIMITED, Birmingham, England. Filed August 31, 1928. Serial No. 271,790. PUBLISHED OCTOBER 15, 1929. Class 23.
- 265,446. PNEUMATIC TIRES AND INNER TUBES. NEW ENGLAND MILLS CO., Chicago, Ill. Filed August 24, 1928. Serial No. 271,499. PUBLISHED OCTOBER 1, 1929. Class 35.
- 265,447. STOCKINGS. MISSION HOSIERY MILLS, Los Angeles, Calif. Filed August 6, 1928. Serial No. 270,675. PUBLISHED SEPTEMBER 25, 1928. Class 39.
- 265,448. PISTON RINGS. EDWARD J. BUDLONG, doing business as Budlong & Funchess Motor Products Co., Hanford, Calif. Filed July 21, 1928. Serial No. 269,940. PUBLISHED OCTOBER 8, 1929. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

- 265,449. (CLASS 16, PAINTS AND PAINTERS' MATERIALS.) L. FRANCIS CASSOFF, doing business as The Edgemont Paint Company, Brooklyn, N. Y. Filed Nov. 20, 1928. Serial No. 275,556.

EDGEMONT
DURABLE

For Ready-Mixed Paints.
Claims use since Sept. 1, 1928.

- 265,450. (CLASS 46, FOODS AND INGREDIENTS OF FOODS.) MILTON PAUL, doing business as International Extract Co., New York, N. Y. Filed Nov. 9, 1928. Serial No. 275,069.



For True-Fruit and Imitation Food-Flavoring Extracts.
Claims use since Aug. 15, 1925.

- 265,451. (CLASS 42, KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Oct. 25, 1928. Serial No. 274,292.

INFALLIBLE

For Cotton Piece Goods.
Claims use since Oct. 11, 1928.

- 265,452. (CLASS 35, BELTING, HOSE, MACHINERY PACKING AND NONMETALLIC TIRES.) THE NEW JERSEY ASBESTOS COMPANY, New York, N. Y. Filed Mar. 31, 1928. Serial No. 264,119.

BELDAM'S

For Machine Packings for Preventing the Escape of Fluids Between the Working Parts or Stationary Joints of Machinery.
Claims use since about Jan. 10, 1912.

- 265,453. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MANHATTAN-KEMOL PRODUCTS, INC., New York, N. Y. Filed Nov. 1, 1929. Serial No. 291,885.

**MILK
WHITE**

For Shoe Dressing.
Claims use since June 1, 1906.

- 265,454. (CLASS 34, HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE REEVES MANUFACTURING COMPANY, Dover, Ohio. Filed Oct. 26, 1929. Serial No. 291,685.

"SURELOK"

For Stovepipes.
Claims use since Mar. 8, 1928.

- 265,455. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RIBBON-MITER MACHINE COMPANY, Indianapolis, Ind. Filed Oct. 17, 1929. Serial No. 291,178.

RIBBON-MITER

For Machines for Cutting Designs on Flat Glass.
Claims use since about July 1, 1928.

- 265,456. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BRANDYWINE FIBER PRODUCTS COMPANY, Wilmington, Del. Filed Oct. 2, 1929. Serial No. 290,486.

"BRANDYWINE FIBER"

For Indurated Hard-Fibre Tubing.
Claims use since September, 1917.

- 265,457. (CLASS 39. CLOTHING.) SOLOMON ZEZBLATT, Milwaukee, Wis. Filed Sept. 14, 1929. Serial No. 289,811.

ZEZBLATT'S

For Men's, Women's, and Children's Shoes Constructed of Leather, Fabric, or of a Combination of Those Materials.
Claims use since July 1, 1925.

- 265,458. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Aug. 30, 1929. Serial No. 289,211.

CLARIDGE

For Wool Carpets.
Claims use since Jan. 2, 1922.

- 265,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVANGELIST PRETOR, San Francisco, Calif. Filed Aug. 27, 1929. Serial No. 289,066.

**PRETOR'S
SHINE REMOVER**

For Fluid for Use in Removing Shine from Clothing.
Claims use since about July 1, 1928.

- 265,460. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) PARA RUBBER COMPANY, Newark, N. J. Filed Aug. 12, 1929. Serial No. 288,450.

PARA-MORAYTONE

For Shower Curtains, Used for Bath Purposes, Made Up of a Chemically-Treated and Rubberized Silk-Moiré Fabric.
Claims use since Mar. 1, 1928.

- 265,461. (CLASS 39. CLOTHING.) LILIENTHAL & GROSSMAN, INC., New York, N. Y. Filed Aug. 3, 1929. Serial No. 288,080.

**WEAVE
WEAR**

For Fabric Gloves.
Claims use since on or about July 10, 1928.

265,462. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL NEWSPAPER SERVICE, Chicago, Ill. Filed July 29, 1929. Serial No. 287,835.

BUCK ROGERS

For Adventure Strip for Newspapers, Published Serially. Claims use since Sept. 10, 1928.

265,463. (CLASS 12. CONSTRUCTION MATERIALS.) MCEVERLAST, INC., Los Angeles, Calif. Filed June 3, 1929. Serial No. 284,987.

HUNT PROCESS

For a Coating Preparation for Concrete, Assisting in the Internal Cure Thereof. Claims use since July 15, 1928.

265,464. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BADER BROTHERS COMPANY, Springfield, Ohio. Filed May 14, 1929. Serial No. 283,981.



For Mills for Making Pulp. Claims use since on or about Oct. 17, 1928.

265,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY RIFE OLIVE COMPANY, Lindsay, Calif. Filed Apr. 20, 1929. Serial No. 282,738.

Lindsay Queen

For Canned Olives. Claims use since Oct. 1, 1928.

265,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. P. HALEY, Jr., Memphis, Tenn., assignor to Sanders Chemical Co., a Copartnership composed of Walter P. Haley, Jr., and Graydon C. Sanders, Memphis, Tenn. Filed Apr. 8, 1929. Serial No. 282,038.

WALTER'S FLUE MEDICINE

For Medical Preparation Used in the Treatment of Colds, Headaches, Influenza, and Analogous Ailments. Claims use since Jan. 1, 1924.

265,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POMONA PRODUCTS COMPANY, Griffin, Ga. Filed Feb. 25, 1929. Serial No. 279,901.



For Canned Peaches. Claims use since Feb. 21, 1922.

265,468. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GREAT WESTERN STOVE COMPANY, Leavenworth, Kans. Filed Feb. 4, 1929. Serial No. 278,836.

Heat Sealed

For Gas Ranges. Claims use since Oct. 16, 1928.

265,469. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MICHAEL E. MARTINO, Brooklyn, N. Y. Filed Jan. 18, 1929. Serial No. 278,135.

THE CINEMA TRANSFORMING SCREEN

For Motion-Picture Screen. Claims use since Nov. 1, 1923.

265,470. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AUTO-OVEN, INC., New York, N. Y. Filed Jan. 18, 1929. Serial No. 278,110.



For Cooking-Stove-Oven Grid and Tray Operating Appliances. Claims use since January, 1928.

265,471. (CLASS 12. CONSTRUCTION MATERIALS.) W. R. MEADOWS, INC., Elgin, Ill. Filed Jan. 2, 1929. Serial No. 277,497.

THE PERFECTED JOINT

For Construction Materials Composed of Asphalt and Fibre or Other Binding Material Thereof—Namely, Expansion Joint, Protection Plank, Rail Filler, Bridge Flooring, Flashing Blocks, Rattle Blocks (Used in Place of Bricks in Walls), and Cable Trunking (Used Around Cables to Make a Waterproof Enclosure for the Same). Claims use since March, 1928.

LABELS

REGISTERED DECEMBER 24, 1929

- 36,762.—Title: SOCIETY BRAND. For Mayonnaise. BECK'S PRODUCE CO. INC., San Antonio, Tex. Published July 10, 1929.
- 36,763.—Title: JERSEY SUN SHINE EGGS. For Eggs. HARRY M. CARROLL, Hammonton, N. J. Published October 18, 1929.
- 36,764.—Title: SAVIGNE SALTED NUTS, NUT-BUTTER TOASTED. For Nuts. GOODMAN NUT CO., Chicago, Ill. Published October 15, 1929.
- 36,765.—Title: GOODMAN'S. For Pure Matzo Meal. A. GOODMAN & SONS, INC., New York, N. Y. Published October 15, 1929.
- 36,766.—Title: GOODMAN'S. For Potato Starch. A. GOODMAN & SONS, INC., New York, N. Y. Published October 15, 1929.
- 36,767.—Title: DROMEDARY DATES (BAKED IN SUN-SHINE-NUT STUFFED). For Dates. THE HILLS BROTHERS COMPANY, New York, N. Y. Published November 1, 1929.
- 36,768.—Title: RICO GRAPEFRUIT. For Grapefruit. THE HILLS BROTHERS COMPANY, New York, N. Y. Published November 6, 1929.
- 36,769.—Title: INDIAN ISLAND GRAPEFRUIT. For Grapefruit. THE HILLS BROTHERS COMPANY, New York, N. Y. Published November 6, 1929.
- 36,770.—Title: PRIMROSE GRAPEFRUIT. For Grapefruit. THE HILLS BROTHERS COMPANY, New York, N. Y. Published November 6, 1929.
- 36,771.—Title: ZEST GRAPEFRUIT. For Grapefruit. THE HILLS BROTHERS COMPANY, New York, N. Y. Published November 6, 1929.
- 36,772.—Title: HITT'S RACKETEER TRICOLOR FLASH GRENADES. For Tricolor Flash Grenades. HITT FLASHCRACKA COMPANY, Seattle, Wash. Published October 15, 1929.
- 36,773.—Title: HITT'S RACKETEER RAINBOW FLASH GRENADES. For Rainbow Flash Grenades. HITT FLASHCRACKA COMPANY, Seattle, Wash. Published October 15, 1929.
- 36,774.—Title: D. S. P. CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 20, 1929.
- 36,775.—Title: PRINCESS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 4, 1929.
- 36,776.—Title: DAVIS SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 26, 1929.
- 36,777.—Title: THE HASSON SHOE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 28, 1929.
- 36,778.—Title: D M CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 24, 1929.
- 36,779.—Title: H. E. S. & SON INC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 1, 1929.
- 36,780.—Title: GILLETT-UPTON INC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 1, 1929.
- 36,781.—Title: B. S. CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 13, 1929.
- 36,782.—Title: ART SHOE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 29, 1929.
- 36,783.—Title: ABRAHAM AND STRAUS, INC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 23, 1929.
- 36,784.—Title: METROPOLITAN BOOT SHOP. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 26, 1929.
- 36,785.—Title: SAKES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 7, 1929.
- 36,786.—Title: REISMAN, GLASS, FITZGERALD. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published May 7, 1929.
- 36,787.—Title: SNAPPY ARCH. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 13, 1929.
- 36,788.—Title: MERCHANTS SHOE CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 11, 1929.
- 36,789.—Title: SUPERIOR ARCH. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 15, 1929.
- 36,790.—Title: FOOT-CRAFT. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 27, 1929.
- 36,791.—Title: THE MABLEY & CAREW CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 20, 1929.
- 36,792.—Title: THE GLOBE SHOE CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 29, 1929.

- 36,793.—Title: PROSPERITY SHOE CO. INC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 17, 1929.
- 36,794.—Title: SHOES OF CHARACTER. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 20, 1929.
- 36,795.—Title: ARCH SHOE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 23, 1929.
- 36,796.—Title: ESSEX SHOE CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 26, 1929.
- 36,797.—Title: H. E. ACKERMAN. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 20, 1929.
- 36,798.—Title: A. W. TEDCASTLE CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 22, 1929.
- 36,799.—Title: MAXPHIL. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 9, 1929.
- 36,800.—Title: POMMERETTES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 30, 1929.
- 36,801.—Title: ROBBIN'S \$5.00 SHOE STORE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 29, 1929.
- 36,802.—Title: MILBER'S. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 24, 1929.
- 36,803.—Title: L M F. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 18, 1929.
- 36,804.—Title: DEFIANCE SWEET CORN. For Canned Corn. JOBBERS SERVICE INCORPORATED, Coldwater, Mich. Published June 1, 1929.
- 36,805.—Title: DEFIANCE TOMATOES. For Canned Tomatoes. JOBBERS SERVICE INCORPORATED, Coldwater, Mich. Published June 1, 1929.
- 36,806.—Title: DEFIANCE SWEET PEAS. For Canned Peas. JOBBERS SERVICE INCORPORATED, Coldwater, Mich. Published June 1, 1929.
- 36,807.—Title: DEFIANCE COFFEE. For Coffee. JOBBERS SERVICE INCORPORATED, Coldwater, Mich. Published June 1, 1929.
- 36,808.—Title: MCQUAY-NORRIS DOUBLE VENTILATED SUPEROYL RINGS. For Piston Rings. MCQUAY-NORRIS MANUFACTURING COMPANY, St. Louis, Mo. Published September 28, 1929.
- 36,809.—Title: BEAUTY GIRL PRODUCTS. For Cream Cheese. NORTH PLATTE VALLEY CO-OPERATIVE CHEESE COMPANY, Scottsbluff, Nebr. Published July 3, 1929.
- 36,810.—Title: ROYAL TASTE. For Fresh Oranges. NORWOOD & MCCORMICK, Bryn Mawr, Calif. Published August 1, 1929.
- 36,811.—Title: NUTRINE QUALITY CANDIES. For Candy. NUTRINE CANDY COMPANY, Chicago, Ill. Published August 16, 1929.
- 36,812.—Title: KARTON BREAD. For Bread. PAR-X SERVICE CORPORATION, Philadelphia, Pa. Published October 22, 1929.
- 36,813.—Title: RHINE MAID. For Malt Syrup. L. A. PODESTA, doing business as Chicago Specialty Co., San Francisco, Calif. Published September 30, 1929.
- 36,814.—Title: GLAME. For a Medicinal Tablet. GEORGE M. RENTZ, Wells, Minn. Published October 20, 1929.
- 36,815.—Title: SPRAY. For a Liquid Insecticide. ROSE CITY CHEMICAL COMPANY, Thomasville, Ga. Published January 1, 1929.
- 36,816.—Title: DR. SCHOLL'S FOOT-BATH SOAP, MEDICATED. For Cake Soap. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published December 1, 1928.
- 36,817.—Title: FLEISCHMANN'S YEAST. For Yeast. STANDARD BRANDS INCORPORATED, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Published October 21, 1929.
- 36,818.—Title: SUPERIOR GEN-SEN ROOT AND HERB COMPOUND. For Medicinal Preparation for Stomach, Liver, Kidneys, and Bowels. SUPERIOR LABORATORIES, INC., Milwaukee, Wis. Published September 1, 1929.
- 36,819.—Title: SUSU SALTED NUTS, NUT-BUTTER TOASTED. For Nuts. THE SUSU NUT COMPANY, Chicago, Ill. Published October 15, 1929.

PRINTS

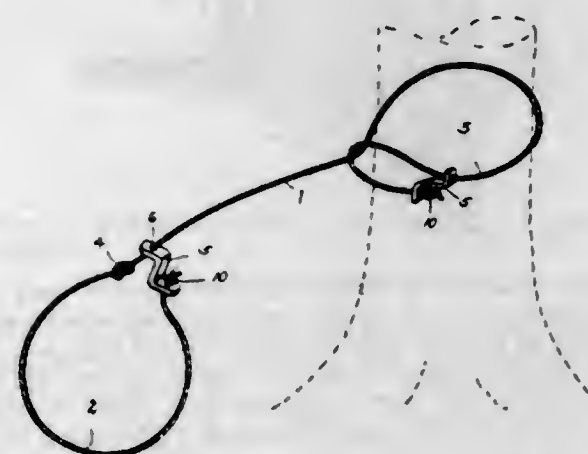
REGISTERED DECEMBER 24, 1929

- 12,261.—Title: WHAT'S THIS TALK ABOUT TONE? For Radios. BALKRIT RADIO COMPANY, N. Chicago, Ill. Published October 21, 1929.
- 12,262.—Title: SO NATURAL—YOU FORGET IT'S RADIO. For Radios. BALKRIT RADIO COMPANY, N. Chicago, Ill. Published October 16, 1929.
- 12,263.—Title: BLACK & WHITE CANDY CO. For Candies. BLACK & WHITE CANDY CO., Jacksonville, Tex. Published April 15, 1928.
- 12,264.—Title: THE NEW VOGUE OF LES PARFUMS COTY (NIGHTS OF DELIGHT FRAGRANCE ACCENTUATING THE THEME OF EVERY SMART DIVERSION). For Perfumes. COTY, INC., Wilmington, Del., and New York, N. Y. Published October 15, 1929.
- 12,265.—Title: THE NEW VOGUE OF LES PARFUMS COTY (IN RHYTHM WITH THE DANCE FRAGRANCE SMARTLY TIMED TO EACH DIVERSION). For Perfumes. COTY, INC., Wilmington, Del., and New York, N. Y. Published September 12, 1929.
- 12,266.—Title: THE NEW VOGUE OF LES PARFUMS COTY (FOR HOURS OF SPLENDOR FRAGRANCE SUPREMELY KEED TO THE OCCASION). For Perfumes. COTY, INC., Wilmington, Del., and New York, N. Y. Published November 1, 1929.
- 12,267.—Title: THE NEW VOGUE OF LES PARFUMS COTY (FOR NIGHTS OF GAIETY FRAGRANCE SYMPHONIZING WITH EVERY DIVERSION OF THE CHIC WORLD). For Perfumes. COTY, INC., Wilmington, Del., and New York, N. Y. Published September 19, 1929.
- 12,268.—Title: THE NEW VOGUE OF LES PARFUMS COTY (NIGHTS OF SMART BRILLIANCE, FRAGRANCE SOUNDING THE NOTE OF CHIC ACTIVITIES). For Perfumes. COTY, INC., Wilmington, Del., and New York, N. Y. Published November 10, 1929.
- 12,269.—Title: AT EACH TURN OF THE WRIST. For Hand Stamps and Supplies. THE MULTISTAMP CO., INC., Norfolk, Va. Published October 17, 1929.

REISSUES

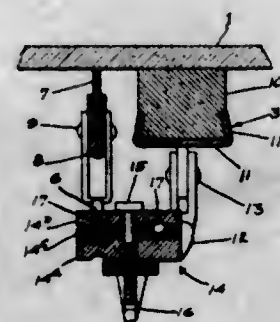
DECEMBER 24, 1929

- 17,534. SNARE. JOHN KLEFFMAN, Hibbing, Minn. Filed Aug. 6, 1927. Serial No. 211,241. Original No. 1,615,588, dated Jan. 25, 1927, Serial No. 106,496, filed May 3, 1926. 2 Claims. (Cl. 24—129.)



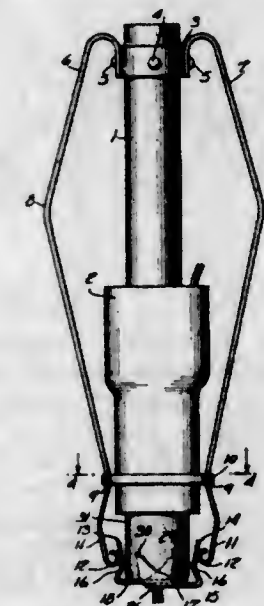
2. A snare for catching animals comprising a snare wire which normally tends to straighten itself, and a catch therefor to one end of which the wire is fixed and having a hole therein through which the body portion of the wire may freely pay axially but normally becomes bound therein whether in set position or holding an animal.

- 17,535. WINDSHIELD CLEANER. CHRISTIAN H. STEDT-FELD, Brainerd, Minn. Filed Oct. 19, 1928. Serial No. 313,601. Original No. 1,609,680, dated May 15, 1928. Serial No. 161,804, filed Jan. 18, 1927. 10 Claims. (Cl. 15—253.)



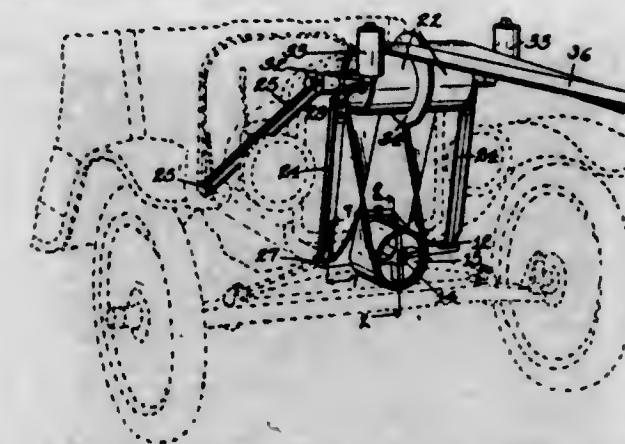
1. An attachment for the wiper arm of a windshield cleaner, comprising a holder for a soluble body adapted to be arranged parallel to the wiper arm and in contact with the glass, and means for pivotally connecting the holder to the wiper arm.

- 17,536. HEATER FOR WAVING HAIR. CHARLES G. NESSLER, New York, N. Y., assignor to The Nestle-Le Mur Company, New York, N. Y., a Corporation of Ohio. Filed Aug. 4, 1928. Serial No. 297,448. Original No. 1,595,808, dated Aug. 10, 1926. Serial No. 650,784, filed July 11, 1923. 15 Claims. (Cl. 132—36.1.)



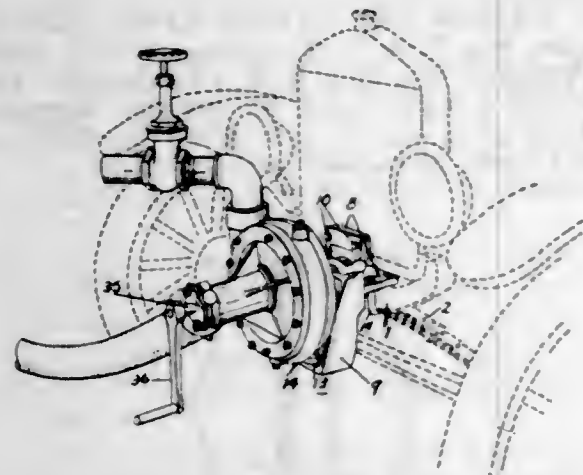
1. A heater for use in waving hair having a plurality of hand-grasps disposed on the exterior thereof and spaced laterally therefrom and spaced from each other circumferentially of the heater and made fast at one end with the other end free to permit longitudinal movement thereof.

- 17,537. POWER ATTACHMENT FOR MOTOR VEHICLES. BEN D. BARTON, Battle Creek, Mich., assignor to American Steam Pump Company, Battle Creek, Mich., a Corporation of Michigan. Filed Jan. 11, 1926. Serial No. 80,677. Original No. 1,482,880, dated Feb. 5, 1924. Serial No. 600,460, filed Nov. 11, 1922. 17 Claims. (Cl. 180—53.)



1. The combination in a structure of the class described, of a chassis, a driving shaft mounted on the chassis; a supporting bracket secured to said chassis and having an opening therein; an axially movable shaft section interposed between the driving shaft and said bracket, interengaging clutch members on said shaft section and driving shaft, a spring for yieldingly holding said shaft section in clutch disengaging position, and a member on the outer end of said shaft section having a tapered fit in the opening in said bracket when the clutch is disengaged.

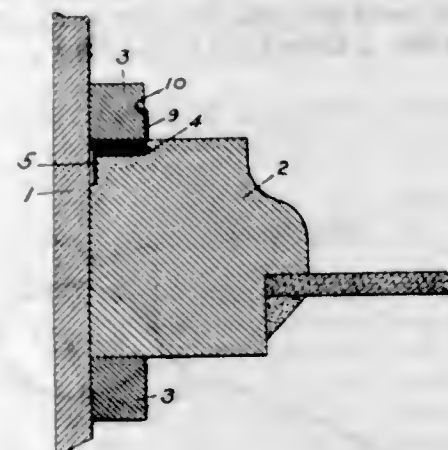
17,538. POWER ATTACHMENT FOR MOTOR VEHICLES. BEN D. BARTON, Battle Creek, Mich., assignor to American Steam Pump Company, Battle Creek, Mich., a Corporation of Michigan. Filed Jan. 11, 1926. Serial No. 80,678. Original No. 1,538,881, dated May 26, 1925, Serial No. 679,236, filed Dec. 7, 1923. 12 Claims. (Cl. 180-53.)



1. In apparatus of the character specified, the combination with a chassis, and a driving shaft mounted thereon; of a supporting bracket secured to said chassis, a supporting frame detachably mounted on said bracket, a driven shaft mounted on said supporting frame; an axially movable coupling shaft interposed between the driving shaft and driven shaft; interengaging clutch devices on said driving shaft and coupling shaft; a sleeve splined to said driven shaft, interengaging clutch members on

said coupling shaft and sleeve; and manually operable means for shifting said sleeve to control the engagement and disengagement of said clutch devices.

17,539. WEATHER STRIP. ARNOLD J. SPANJERS, Duluth, and ANTON R. P. SPANJERS, Minneapolis, Minn. Filed Oct. 14, 1929. Serial No. 399,674. Original No. 1,648,787, dated Nov. 8, 1927, Serial No. 94,170, filed Mar. 12, 1926. 3 Claims. (Cl. 20-69.)

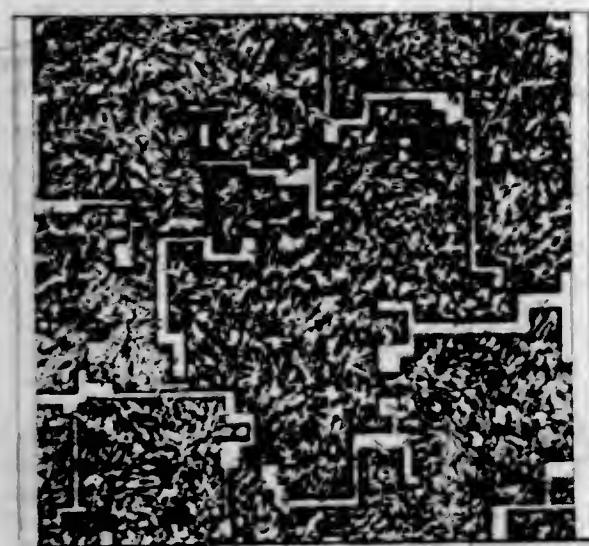


1. The combination with a slidable window sash and stop therefor, of an L-shaped recess formed wholly about the corner of the window sash adjacent the stop, and two cooperatively engaged U-shaped metal strips installed within said recess, each strip having a right angularly disposed flange one for fixed engagement about the corner of the stop and the other for fixed engagement about the corner of the sash.

DESIGNS

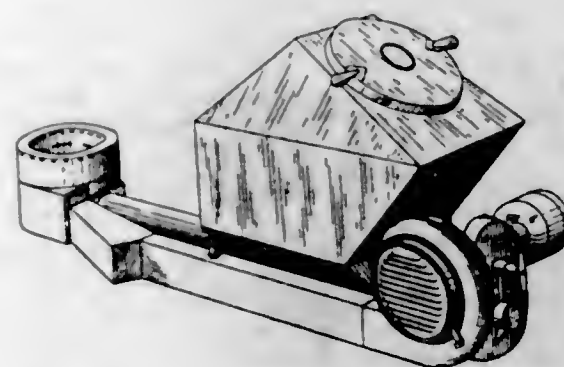
DECEMBER 24, 1929

80,158. WALL COVERING OR SIMILAR ARTICLE OF MANUFACTURE IN SHEET FORM. HARRY T. ABOLIN, Hasbrouck Heights, N. J., assignor to Linacrusta-Walton Company, Hackensack, N. J., a Corporation of New Jersey. Filed Sept. 14, 1928. Serial No. 28,138. Term of patent 3½ years.



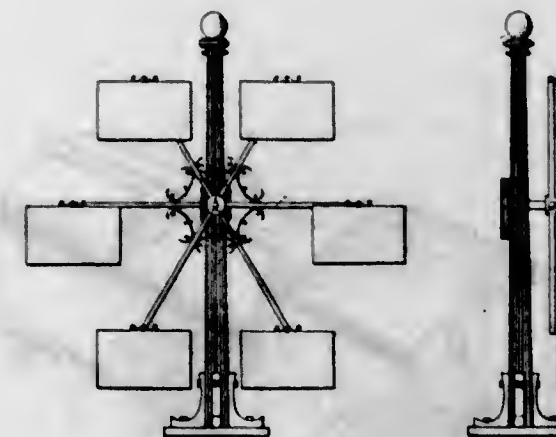
The ornamental design for wall covering or similar article of manufacture in sheet form substantially as shown and described.

80,159. CASING FOR COAL-BURNING STOKERS. THOMAS H. BANFIELD, Portland, Oreg. Filed Jan. 28, 1929. Serial No. 29,795. Term of patent 14 years.



The ornamental design for a casing for coal burning stokers, as shown.

80,160. ADVERTISING DISPLAY STAND. EDWARD BOWMAN, Paducah, Ky. Filed Oct. 17, 1929. Serial No. 33,083. Term of patent 14 years.



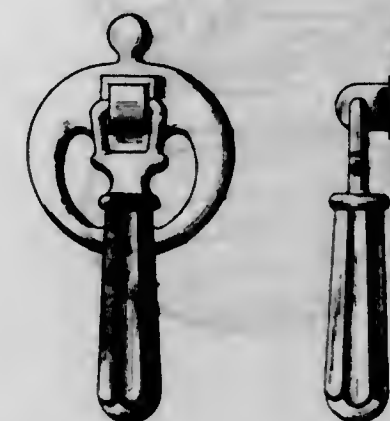
The ornamental design for an advertising display stand, as shown.

80,161. COMBINED COCK HANDLE AND PLATE. ALMER H. BRODBECK, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 22, 1929. Serial No. 32,501. Term of patent 14 years.



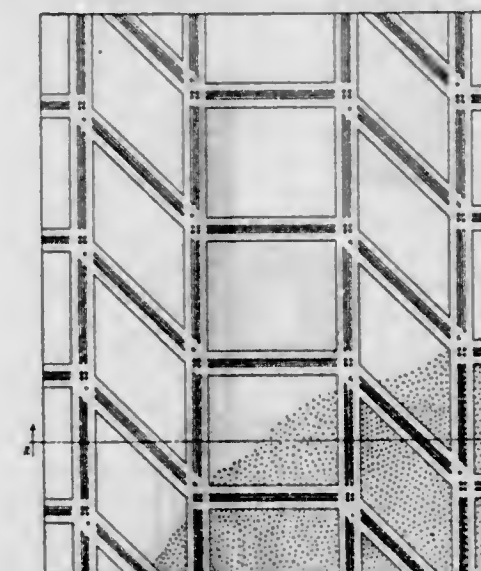
The ornamental design for a combined cock handle and plate, as shown.

80,162. DOOR HANDLE. ALMER H. BRODBECK, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 22, 1929. Serial No. 32,502. Term of patent 14 years.



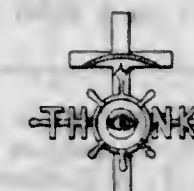
The ornamental design for a door handle, as shown.

80,163. BUILDING GLASS OR THE LIKE. HIRAM C. CALLENDER, Indianapolis, Ind., assignor to Ribbon Miter Machine Company, Indianapolis, Ind., a Corporation of Indiana. Filed Sept. 12, 1929. Serial No. 32,780. Term of patent 14 years.



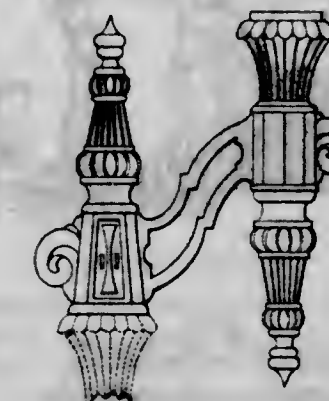
The ornamental design for building glass or the like, substantially as shown and described.

80,164. PIN OR SIMILAR ARTICLE. FRANK JAMES CANTRELL, San Francisco, Calif. Filed Aug. 13, 1929. Serial No. 32,403. Term of patent 7 years.



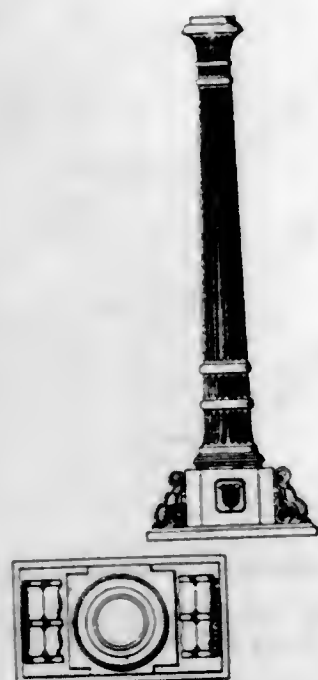
The ornamental design for a pin or similar article, as shown.

80,165. ARM FOR STREET-LIGHTING STANDARDS. HARRY S. CLARKE, Long Beach, Calif. Filed Mar. 9, 1929. Serial No. 30,415. Term of patent 8½ years.



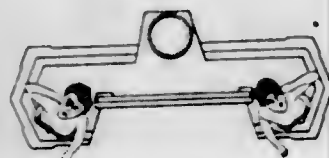
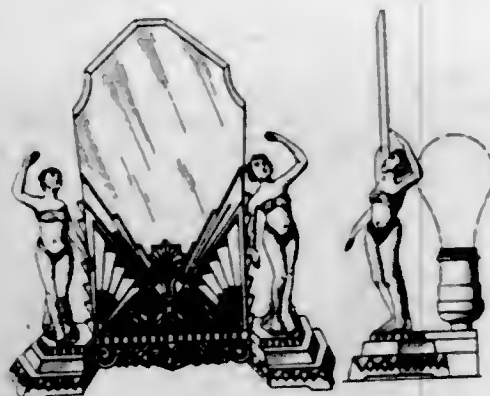
The ornamental design for an arm for street lighting standards, as shown.

80,166. STREET-LIGHTING STANDARD. HARRY S. CLARKE, Long Beach, Calif. Filed May 11, 1929. Serial No. 31,180. Term of patent $3\frac{1}{4}$ years.



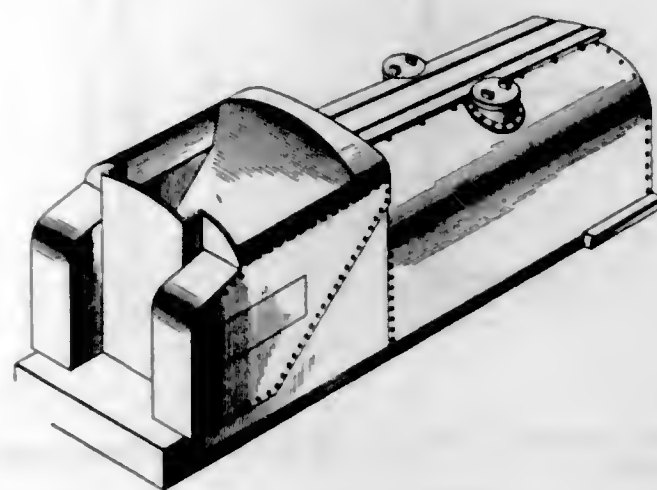
The ornamental design for a street lighting standard, as shown.

80,167. LAMP OR ANALOGOUS ARTICLE. PAUL CRICCHIO, New York, N. Y., assignor to Majestic Lamp Works, New York, N. Y., a Partnership consisting of Philip Silberharts, Jacob Silberharts, and Harry Scheiner, Brooklyn, N. Y. Filed Oct. 31, 1929. Serial No. 33,236. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a lamp or analogous article substantially as shown.

80,168. TENDER FOR TOY LOCOMOTIVES. JAMES E. CURRY, Chicago, Ill., assignor to American Flyer Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 8, 1929. Serial No. 32,975. Term of patent 7 years.



The ornamental design for tender for toy locomotives, as shown.

80,169. TOILET BOX OR SIMILAR CONTAINER. LEON A. DANCO, Fairfield, Conn., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 12, 1929. Serial No. 33,020. Term of patent 14 years.



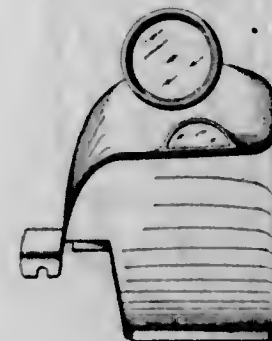
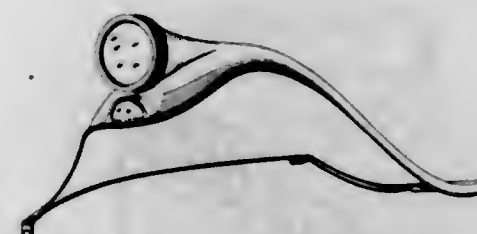
The ornamental design for a toilet box or similar container substantially as shown.

80,170. CHAIR. EDWIN T. DEAL, Aldan, and LOUIS F. SCOTT, Philadelphia, Pa., assignors to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 1, 1929. Serial No. 32,909. Term of patent 7 years.



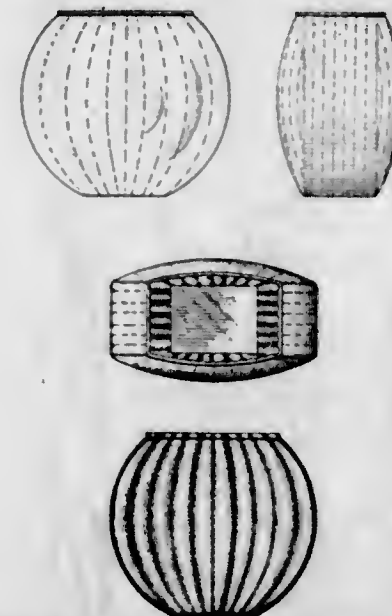
The ornamental design for a chair, substantially as shown.

80,171. COMBINED FENDER AND LAMP CASING FOR VEHICLES. EDWARD ROY FRYER, Kenmore, N. Y. Filed Sept. 11, 1929. Serial No. 32,722. Term of patent 14 years.



The ornamental design for combined fender and lamp casing for vehicles substantially as shown.

80,172. TRANSPARENT BOWL. EDWIN B. GILLINDER, Port Jervis, N. Y., assignor to Gillinder Brothers, Inc., Port Jervis, N. Y., a Corporation of New York. Filed Apr. 21, 1928. Serial No. 26,408. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a transparent bowl, as shown and described.

80,173. CHAIR. HENRY O. GIRARD, Nashua, N. H. Filed Mar. 9, 1929. Serial No. 30,418. Term of patent 7 years.



The ornamental design for a chair, as shown.

80,174. AUTOMOBILE MOLDING. HERBERT V. HENDERSON, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 5, 1929. Serial No. 31,951. Term of patent $3\frac{1}{4}$ years.



The ornamental design of an automobile molding substantially as shown.

80,175. AUTOMOBILE MOLDING. HERBERT V. HENDERSON, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 5, 1929. Serial No. 31,952. Term of patent $3\frac{1}{4}$ years.



The ornamental design of an automobile molding substantially as shown.

80,176. CLAMP PLATE. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors, by means assignments, to General Spring Bumper Corporation, a Corporation of Michigan. Filed Mar. 7, 1928. Serial No. 25,736. Term of patent 14 years.



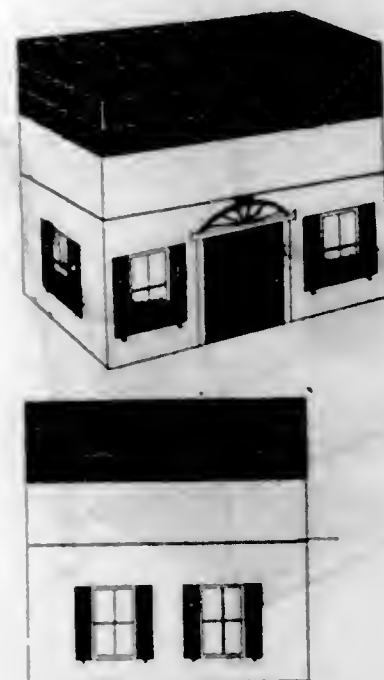
The ornamental design for a clamp plate, substantially as shown and described.

80,177. SALT OR PEPPER SHAKER OR SIMILAR ARTICLE. JAMES W. JENKINS, Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass., a Corporation of Massachusetts. Filed May 6, 1929. Serial No. 31,122. Term of patent 7 years.



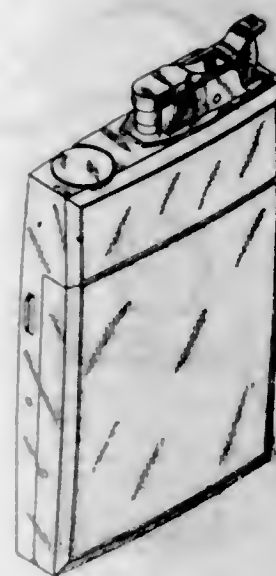
The ornamental design for a salt or pepper shaker or similar article substantially as shown.

80,178. BOX. CLEO H. KIDWELL, Dungen Hills, N. Y., assignor to Kidwell & Company, Inc., a Corporation of New York. Filed July 31, 1928. Serial No. 27,646. Term of patent 14 years.



The ornamental design for a box as shown.

80,179. COMBINATION POCKET LIGHTER AND CIGARETTE HOLDER. CECIL HARRY LAWRENCE, Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a Corporation of Massachusetts. Filed Oct. 19, 1929. Serial No. 33,101. Term of patent 7 years.



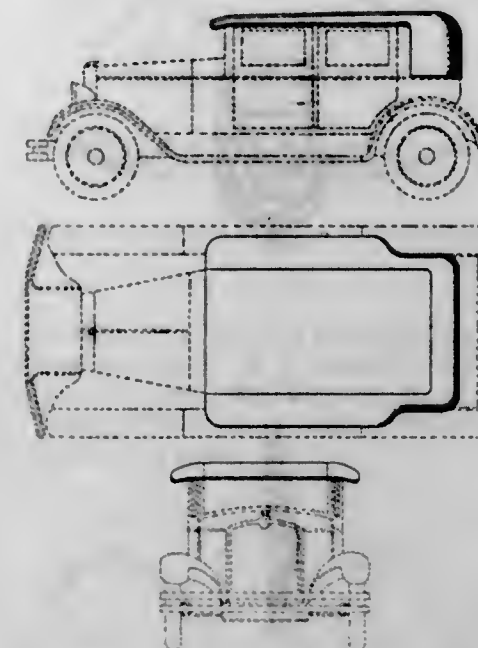
The ornamental design for a combination pocket lighter and cigarette holder, as shown.

80,180. POCKET LIGHTER. ALPHONSE J. LEDERER, Providence, R. I., assignor to Henry Lederer & Bro., Inc., Providence, R. I., a Corporation of Rhode Island. Filed June 7, 1929. Serial No. 31,589. Term of patent 14 years.



The ornamental design for a pocket lighter, substantially as shown.

80,181. AUTOMOBILE TOP. THEODORE LAND, Taylorville, Ill. Filed Apr. 15, 1929. Serial No. 30,903. Term of patent 14 years.



The ornamental design for an automobile top, as shown.

80,182. LIGHTING FIXTURE. FREDERICK W. MATHRU, New York, N. Y., assignor to Robert Phillips Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 11, 1929. Serial No. 30,838. Term of patent 7 years.



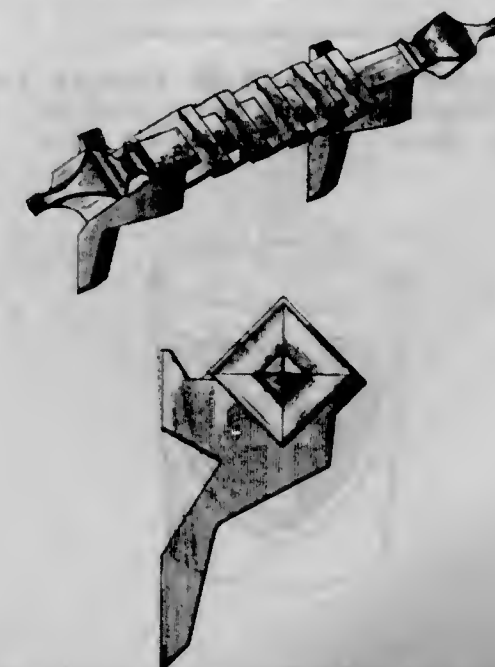
The ornamental design for a lighting fixture, as shown and described.

80,183. BROOCH OR SIMILAR ARTICLE. BERNAT MECHLOVITS, New York, N. Y. Filed Oct. 22, 1929. Serial No. 33,133. Term of patent 3 1/2 years.



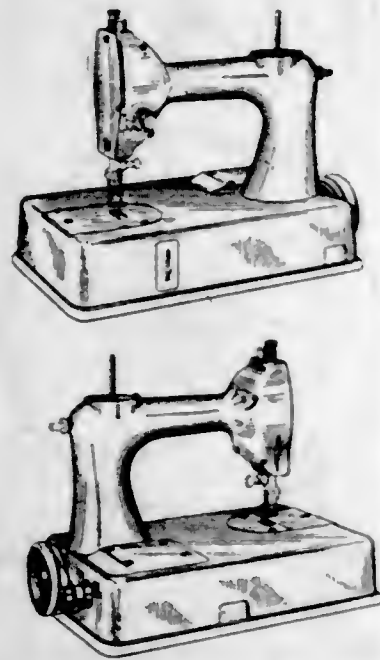
The ornamental design for a brooch or similar article, as shown.

80,184. COMBINATION CURTAIN POLE, CURTAIN-ROD BRACKET, AND SUSPENDING MEANS. BROR GUSTAF NORBERG, Seattle, Wash. Filed July 26, 1929. Serial No. 32,215. Term of patent 3 1/2 years.



The ornamental design for a combination curtain pole, curtain rod bracket, and suspending means, as shown.

80,185. PORTABLE SEWING-MACHINE FRAME. RAYMOND L. PLUMLEY, Brooklyn, N. Y., assignor to Frederick Asann Company, New York, N. Y., a Corporation of New York. Filed Apr. 10, 1928. Serial No. 28,215. Term of patent 14 years.



The ornamental design for a portable sewing machine frame, substantially as shown.

80,186. SHOE BUCKLE. SAMUEL M. RIKER, Chester, N. J. Filed Oct. 10, 1929. Serial No. 32,994. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a shoe buckle as shown.

80,187. CANDLE TUMBLER OR SIMILAR ARTICLE. HENRY RITHNER, Wellsburg, W. Va. Filed Mar. 18, 1929. Serial No. 30,515. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a candle tumbler or similar article, as shown.

80,188. AUTOMATIC LIGHTER. JACK ROSENTHAL, Brooklyn, N. Y., assignor to Henry Lederer & Bro., Inc., Providence, R. I., a Corporation of Rhode Island. Filed June 14, 1929. Serial No. 31,682. Term of patent 14 years.



The ornamental design for an automatic lighter, substantially as shown.

80,189. WARDROBE-TRUNK LOCK OR SIMILAR ARTICLE. JOHN B. RUSS, Shelton, Conn., assignor to The Bassett Metal Goods Company, Inc., Derby, Conn., a Corporation of Connecticut. Filed Feb. 16, 1929. Serial No. 30,086. Term of patent $3\frac{1}{4}$ years.



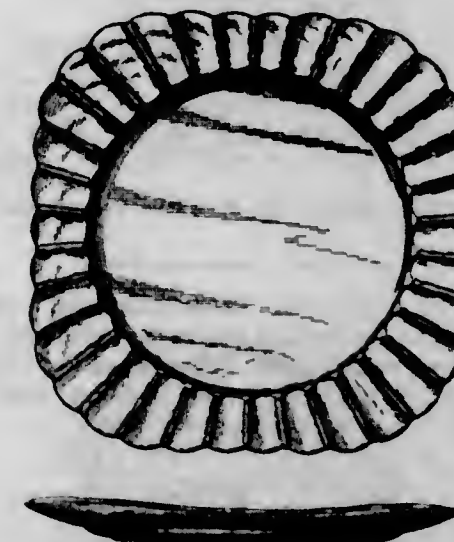
The ornamental design for a wardrobe trunk lock or similar article as shown.

80,190. HEATING STOVE. CHARLES G. SCHOTT, St. Louis, Mo. Filed Oct. 17, 1929. Serial No. 33,073. Term of patent 14 years.



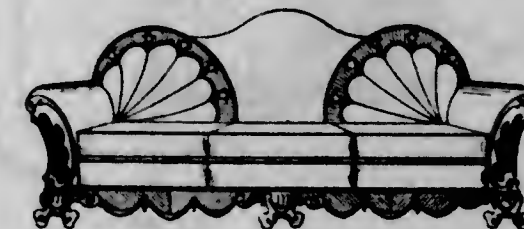
The ornamental design for a heating stove, substantially as shown.

80,191. DISH. CHARLES LEIGH SEBRING, Sebring, Ohio, assignor to The Sebring Pottery Company, Sebring, Ohio, a Corporation of Ohio. Filed Sept. 24, 1929. Serial No. 32,848. Term of patent 14 years.



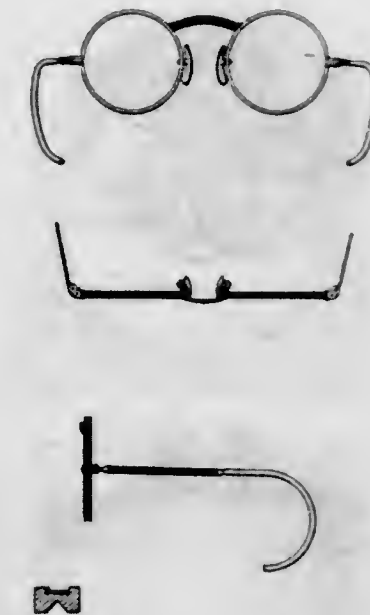
The ornamental design for a dish, substantially as shown.

80,192. SETTEE OR SIMILAR ARTICLE. CHARLES STOLL, Rockaway Beach, N. Y., assignor to Central Furniture Frame Co. Inc., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 4, 1929. Serial No. 32,946. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a settee or similar article, as shown.

80,193. OPTHALMIC MOUNTING. JAMES A. SWEENEY, Providence, R. I. Filed Nov. 14, 1928. Serial No. 28,869. Term of patent 14 years.



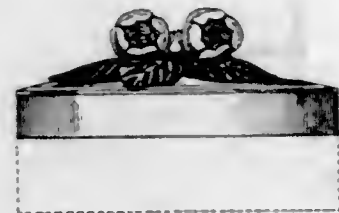
The ornamental design for an opthalmic mounting substantially as shown and described.

80,194. LUNCHEON MAT FOR HOT PLATES. MELVILLE TANNENHOLE, Brooklyn, N. Y. Filed Mar. 1, 1929. Serial No. 30,279. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a luncheon mat for hot plates as shown.

80,195. BOX COVER. RENE THORNTON, New York, N. Y. Filed Oct. 5, 1929. Serial No. 32,957. Term of patent 14 years.



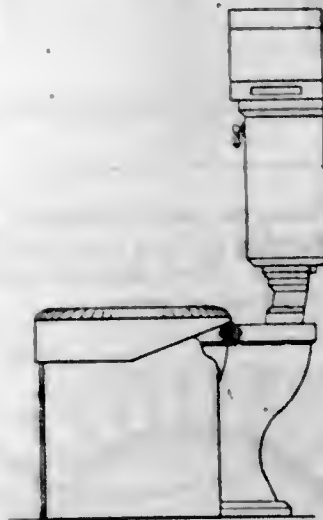
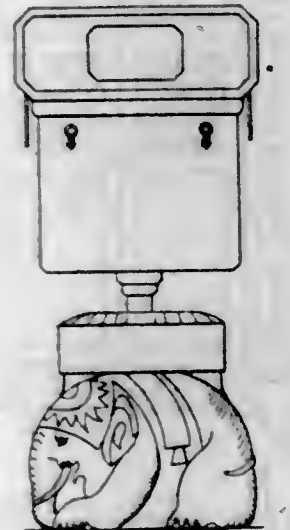
The ornamental design for a box cover as shown.

80,196. CABINET FOR FLUSH TANK. BERT O. TILDEN, Trenton, N. J., assignor to B. O. T. Mfg. Co., Trenton, N. J., a Corporation of New Jersey. Filed Sept. 26, 1929. Serial No. 32,871. Term of patent 14 years.



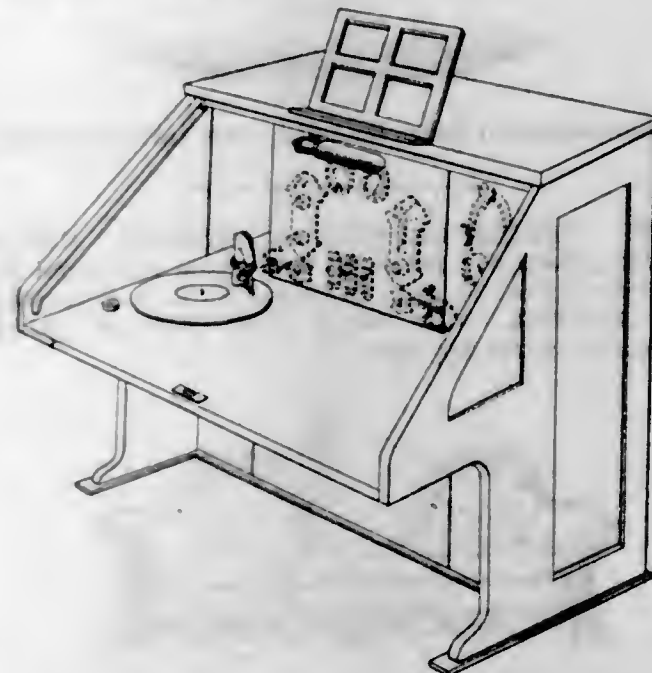
The ornamental design for cabinet for flush-tank, as shown.

80,197. WATER-CLOSET COMBINATION. BERT O. TILDEN, Trenton, N. J., assignor to B. O. T. Manufacturing Company, Trenton, N. J., a Corporation of New Jersey. Filed Oct. 4, 1929. Serial No. 32,950. Term of patent 14 years.



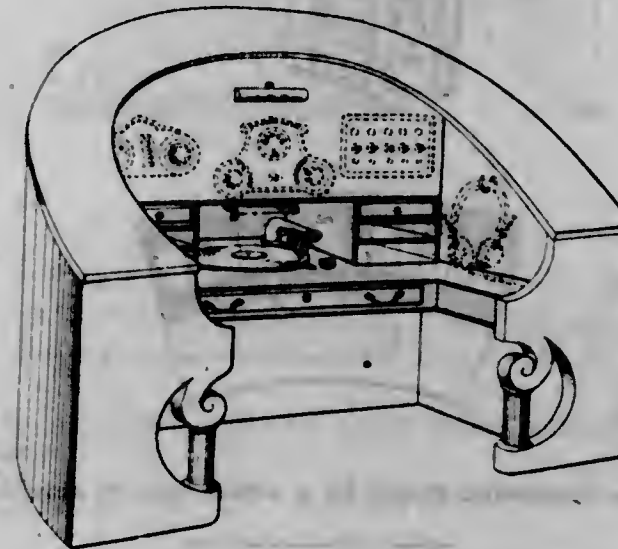
The ornamental design for a water closet combination, as shown.

80,198. ELECTRICAL REPRODUCER CABINET. ARTHUR F. VAN DYCK and EDWIN JAY QUINBY, Yonkers, N. Y., assignors to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 15, 1929. Serial No. 30,081. Term of patent 14 years.



The ornamental design for an electrical reproducer cabinet substantially as shown.

80,199. ELECTRICAL REPRODUCER CABINET. ARTHUR F. VAN DYCK and EDWIN JAY QUINBY, Yonkers, and MARTIN PASTERNAK, New York, N. Y., assignors to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 15, 1929. Serial No. 30,082. Term of patent 14 years.



The ornamental design for an electrical reproducer cabinet substantially as shown.

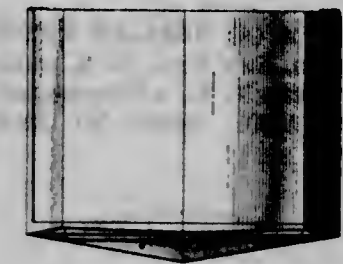
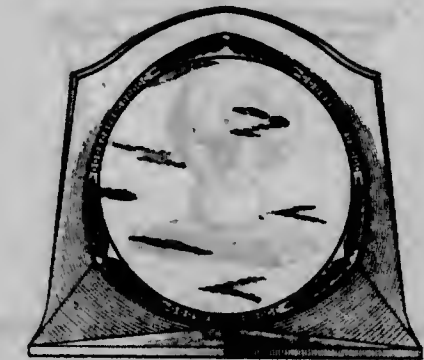
80,200. RADIO LOUD-SPEAKER OR THE LIKE. ANTOINE VERICEL, Baldwin, N. Y., assignor to Doehler Die-Casting Co., a Corporation of New York. Filed May 1, 1929. Serial No. 31,058. Term of patent 3 1/2 years.



The ornamental design for a radio loud speaker or the like, as shown.

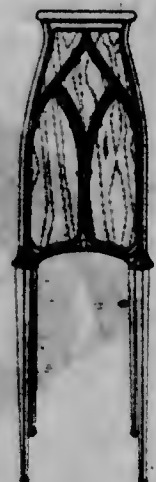
389 O. G.—55

80,201. RADIO LOUD-SPEAKER OR THE LIKE. ANTOINE VERICEL, Baldwin, N. Y., assignor to Doehler Die-Casting Co., a Corporation of New York. Filed May 1, 1929. Serial No. 31,059. Term of patent 3 1/2 years.



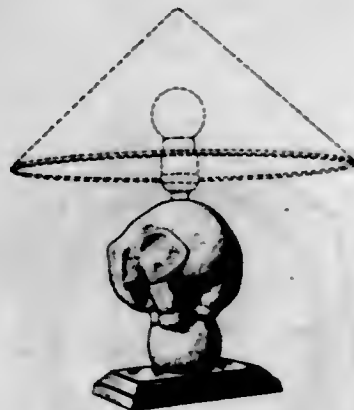
The ornamental design for a radio loud speaker or the like, as shown.

80,202. RADIOCABINET OR THE LIKE. ANTOINE VERICEL, Baldwin, N. Y., assignor to Doehler Die-Casting Co., a Corporation of New York. Filed Sept. 14, 1929. Serial No. 32,761. Term of patent 3 1/2 years.



The ornamental design for a radiocabinet or the like, as shown.

80,203. LAMP. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 3, 1929. Serial No. 30,767. Term of patent 7 years.



The ornamental design for a lamp substantially as shown.

80,204. AQUARIUM OR SIMILAR ARTICLE. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 20, 1929. Serial No. 32,457. Term of patent 7 years.



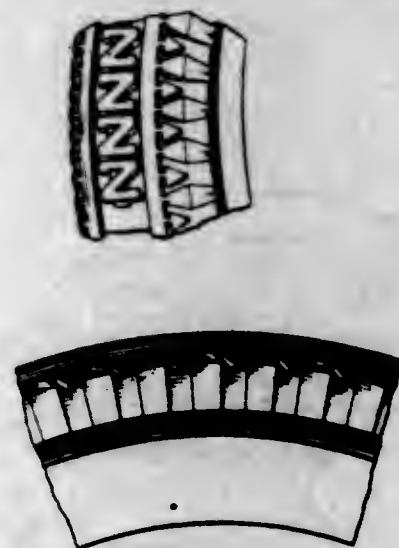
The ornamental design for an aquarium or similar article substantially as shown.

80,205. LAMP OR SIMILAR ARTICLE. ARTHUR VON FRANKENBERG, New York, N. Y., assignor to Frankart, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 5, 1929. Serial No. 32,956. Term of patent 3½ years.



The ornamental design for a lamp or similar article as shown.

80,206. VEHICLE TIRE. JAMES W. WALKER, Duluth, Minn., assignor to Marshall-Wells Company, Duluth, Minn., a Corporation of New Jersey. Filed Nov. 12, 1928. Serial No. 28,844. Term of patent 14 years.



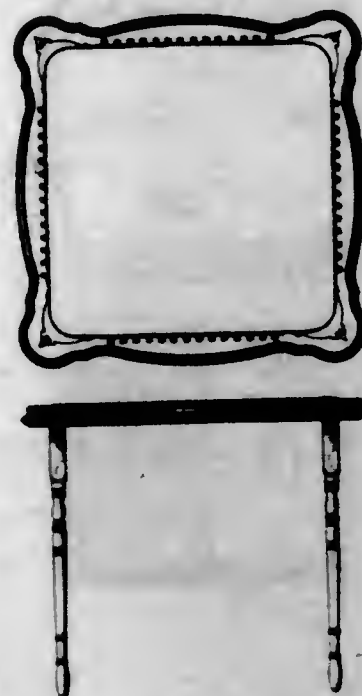
The ornamental design for a vehicle tire, as shown.

80,207. CLASP FOR A NECKLACE. SAM T. WOLF, New York, N. Y., assignor to Manhattan Bead Chain Co., New York, N. Y., a Corporation of New York. Filed Mar. 2, 1929. Serial No. 30,290. Term of patent 3½ years.



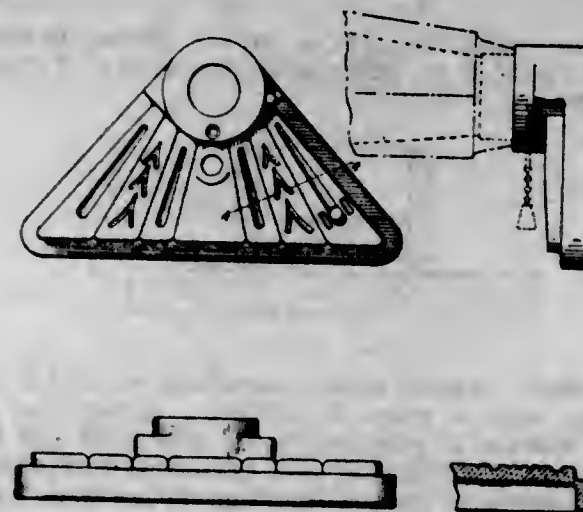
The ornamental design for a clasp for a necklace substantially as shown.

80,208. CARD TABLE. EDWARD WUENN, Chicago, Ill., assignor to The Dearborn Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 14, 1929. Serial No. 33,032. Term of patent 14 years.



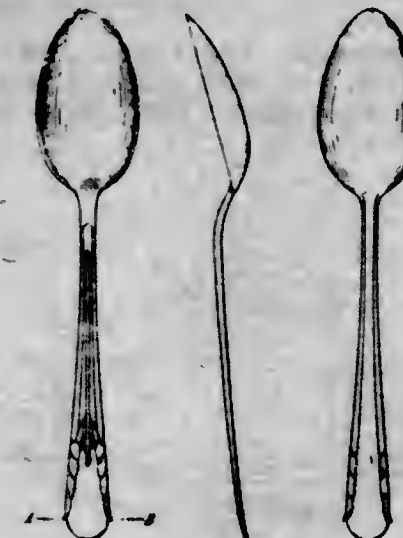
The ornamental design for a card table as shown.

80,209. WALL FIXTURE. RICHARD A. ZEIDLER, Seacucus, N. J., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a Corporation of New York. Filed Sept. 21, 1929. Serial No. 32,324. Term of patent 7 years.



The ornamental design for a wall fixture substantially as shown.

80,210. SPOON OR SIMILAR ARTICLE. ALFRED G. KINTZ, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Aug. 28, 1929. Serial No. 32,580. Term of patent 14 years.

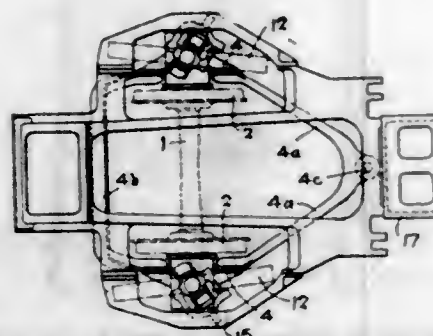


The ornamental design for a spoon or similar article, as shown.

PATENTS

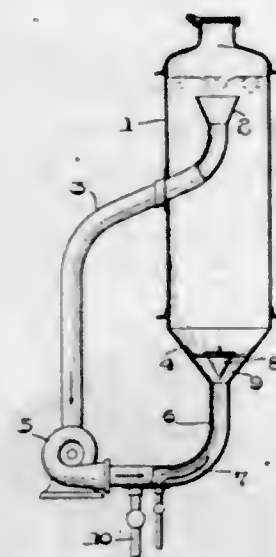
GRANTED DECEMBER 24, 1929

1,740,440. CENTERING APPLIANCE FOR LOCOMOTIVE TRAILING TRUCKS. JAMES G. BLUNT, Schenectady, N. Y. Filed June 12, 1928. Serial No. 284,847. 8 Claims. (Cl. 103—174.)



4. In a locomotive, the combination of a locomotive frame, a truck, a lateral motion device mounted on the truck, a bracket rigid with the locomotive frame and projecting therefrom laterally beyond the lateral motion device, and a universal joint means coupling the lateral motion device to the bracket.

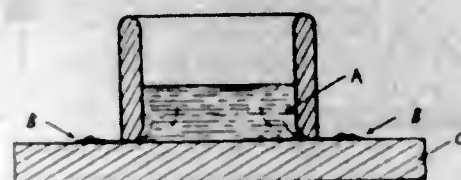
1,740,441. APPARATUS FOR MIXING LIQUID AND GAS. KOJI CHOGO, Kobe, Japan, assignor of one-half to Shiro Kubota, Tokyo, Japan. Filed Jan. 7, 1928. Serial No. 245,066, and in Japan Jan. 28, 1927. 2 Claims. (Cl. 261—77.)



1. In a gas and liquid mixer, a mixing tank having a cylindrical body and an inverted frusto-conical lower end, a circulating pump, an outlet pipe leading to the lower end of the tank bottom axially of said tank, an intake pipe having an inverted frusto-conical mouth disposed centrally of the upper part of the tank body and leading through the side of said body to said pump, a valve controlled gas inlet pipe leading into the outlet pipe and terminating in a forwardly directed nozzle axially of said outlet pipe, and an inverted conical baffle located in the inverted frusto-conical tank bottom and axially aligned with the outlet pipe.

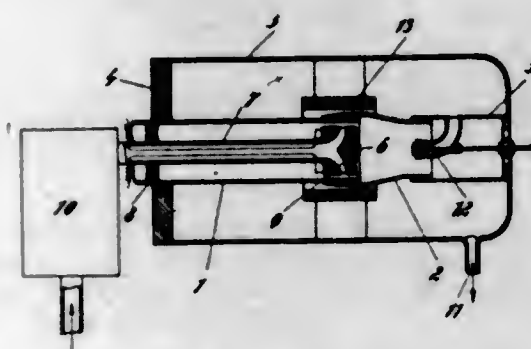
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1,740,442. MULLER. LOUIS GEORGE COPES, Bayonne, N. J. Filed Oct. 20, 1926. Serial No. 142,994. 7 Claims. (Cl. 83—10.)



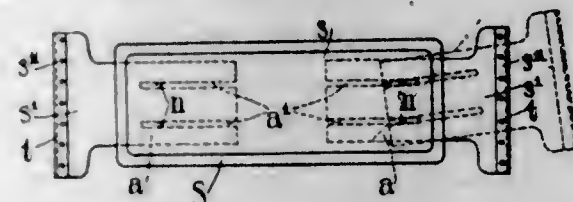
1. A hand operated muller comprising a tubular unit the lower edge of which constitutes a mixing face, the interior surface of said unit being cylindrical and provided at the lower edge of said cylindrical surface with a bevel, said bevel being at an angle to the inner cylindrical surface and to the plane of the mixing face.

1,740,443. METHOD OF AND APPARATUS FOR MELTING OR FUSING GLASS, QUARTZ, OR CERAMIC MATERIALS INTO METAL CAPS AND SIMILAR METAL ARTICLES. KARL DONAT, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Oct. 16, 1926, Serial No. 142,135, and in Germany Oct. 17, 1925. 11 Claims. (Cl. 49—81.)



8. In the method of fusing metal parts together with glass, quartz or ceramic materials plastic at high temperatures, the heating of the fusing point by means of a gas current heated to the desired fusing temperature before it reaches the fusing point.

1,740,444. BATH SEAT. SIDNEY JOHN DOWNHAM and HAROLD DOWNHAM, Holborn, England. Filed May 19, 1928. Serial No. 278,955, and in Great Britain Dec. 7, 1927. 6 Claims. (Cl. 4—185.)



1. An extensible seat having means for supporting it by frictional engagement with the converging side walls of a bath tub, said supporting means being adjustable to different angles relative to the longitudinal center and vertical lines of the seat.

DECEMBER 24, 1929

U. S. PATENT OFFICE

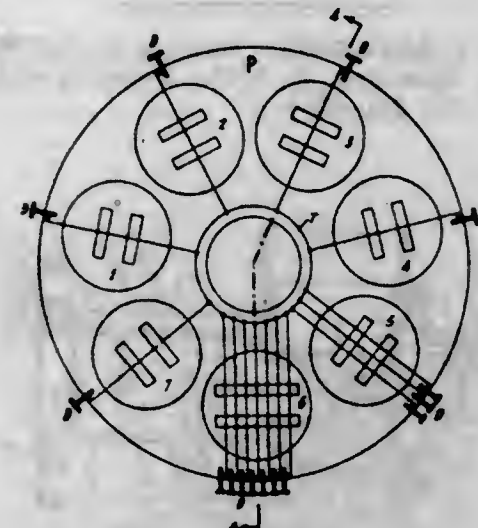
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1,740,445. CORD-REINFORCED TUBE. EDWARD FETTER, Baltimore, Md. Filed Mar. 23, 1928. Serial No. 264,190. 6 Claims. (Cl. 152—13.)



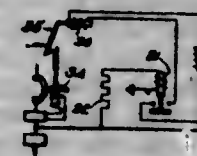
3. An inner tube for pneumatic tires in which when uninflated the sides of the tread are of greater circumferential length than is the center of the tread which is less freely extensible than the remainder of the tube, the circumferential length of the sides of the tread being reduced by inflation so that it is less than that at the center of the tread.

1,740,446. LOUD-SPEAKER. PAUL FELIX FINDENISM, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Apr. 10, 1925, Serial No. 22,018, and in Germany Apr. 25, 1924. 3 Claims. (Cl. 179—109.)



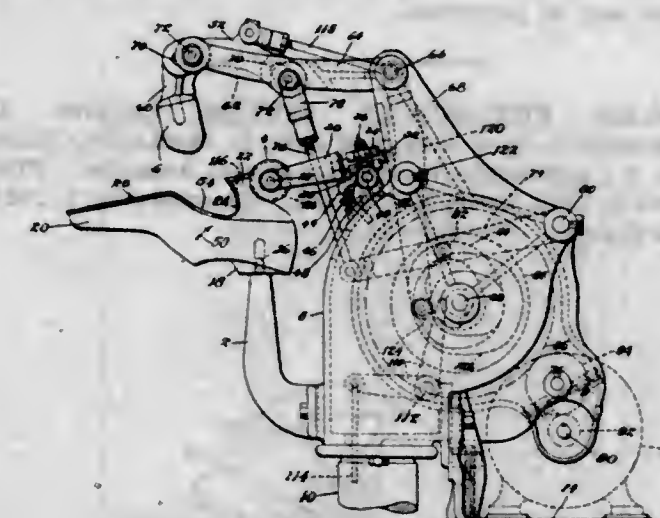
1. An electro-acoustic device comprising electro-magnetic means having a core which in cross section has parallel sides, and seven chords of magnetic material stretched transversely of the end of said core, each of said chords being tuned to a different one of the seven fundamental tones in an octave of the musical scale.

1,740,447. ELECTRICAL DISTRIBUTION SYSTEM. RICHARD BAUCH, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 12, 1926, Serial No. 94,202, and in Germany Mar. 17, 1925. 4 Claims. (Cl. 175—294.)



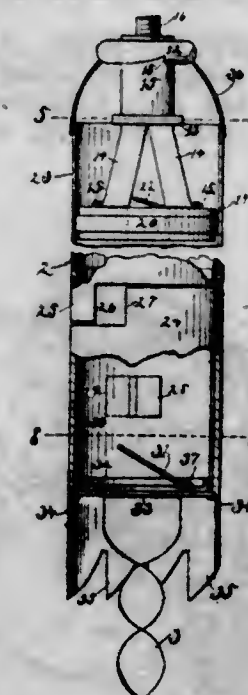
1. An electrical protective system for a distribution system having main and auxiliary networks provided with sectionalizing means comprising means responsive to a fault upon one of the networks for rendering the sectionalizing means of the other network inoperative.

1,740,448. MANUFACTURE OF SHOES. LEWIS J. BAZZONI, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 24, 1923. Serial No. 659,150. 24 Claims. (Cl. 12—42.)



1. In a machine for operating upon a shoe having a heel attached thereto and a sole formed with a leaf at the rear end thereof for covering the breast of the heel, means for supporting the shoe, and means comprising a pad adapted to conform under compression to the contour of the surface of the heel breast for applying pressure in an upward direction progressively from the base to the top-lift end of the breast to lay said leaf smoothly against the breast.

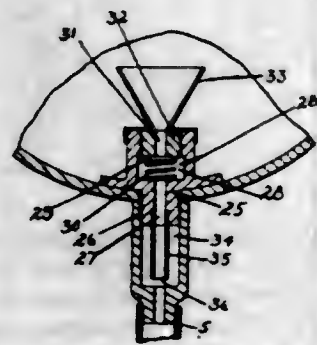
1,740,449. ROTARY BAILER. ORRIN C. BLAKESLEE, Compton, Calif. Filed Sept. 30, 1924. Serial No. 740,702. 11 Claims. (Cl. 166—19.)



10. In a rotary bailer, in combination, a driven member for loosening the sand accumulated in an oil or other well, and for receiving said sand, means positioned in said driven member for causing said sand to be sucked therein, said driven member being provided with means whereby said sand may be removed therefrom when said bailer is removed from the well, a driving member removably associated with said driven member, a series of blades on said driving member whereby it may be rotated to drive said driven member, an operating member removably associated with said driving member for causing the said in said well to render said driving member operative, said

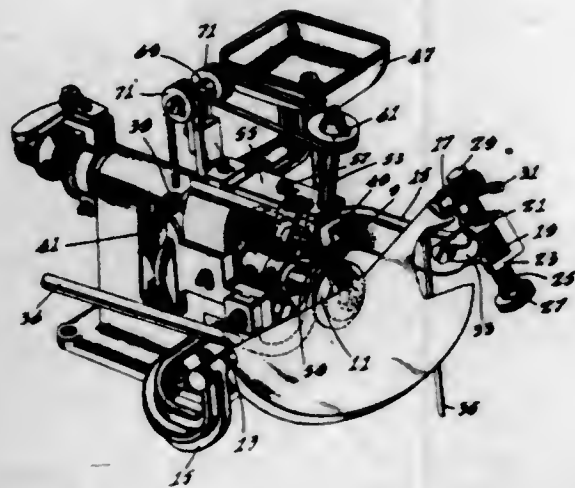
operating member comprising an element adapted to be reciprocated, means on said element for reciprocating said element, rotary means positioned in said operating member for driving said driving member, anti-friction means associated with said element and said rotary means, and means on said operating element whereby injury to said blades may be prevented.

1,740,450. FUEL-SUPPLY SYSTEM. CHESTER H. BRASELTON, New York, and FRED B. MACLAREN, Malba, N. Y.; said MacLaren assignor to said Braselton. Filed Feb. 1, 1922, Serial No. 533,494. Renewed Aug. 7, 1924. 12 Claims. (Cl. 158—36.)



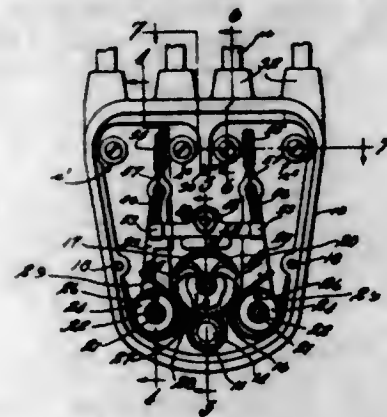
1. In a fuel feed system for automotive vehicles, a main fuel tank, an auxiliary high level tank, a conduit connecting the two tanks, and means to utilize the inertia of the mass of fuel in the main tank to cause the relative motion between the fuel and tank as the latter moves in response to undulations in the road to pump fuel to the auxiliary tank.

1,740,451. TRIMMING MACHINE. JAMES A. BROGAN, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 4, 1925. Serial No. 34,894. 17 Claims. (Cl. 164—63.)



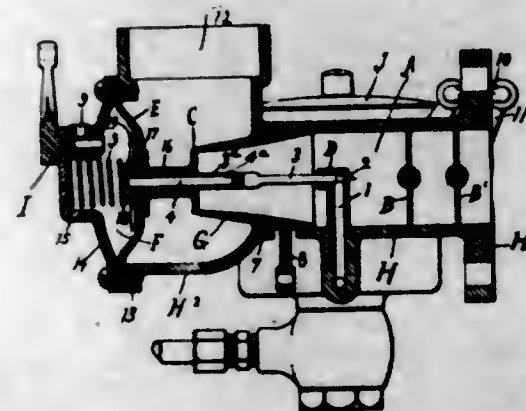
1. A machine of the class described having, in combination, a pair of cooperating cutters, a work support over which the work is fed to the cutters, a guard located in front of one of the cutters and spaced above the plane of the work support, and a rotary feed wheel located to engage that face of the work from which a fin of overflow projects at a locality in advance of the cutting locality.

1,740,452. DISTRIBUTOR. PHELPS BROWN, Springfield, Mass. Filed June 7, 1926. Serial No. 114,212. 4 Claims. (Cl. 200—27.)



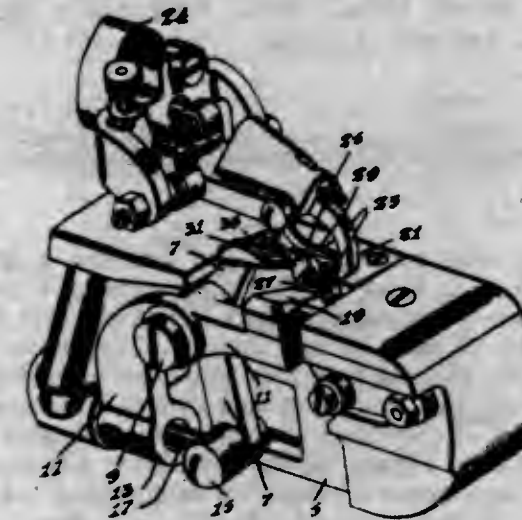
2. In a device of the class described, a plurality of contacts, a suitable support for the same, an arm mounted for oscillating movement and movable to successively engage said contacts in proper sequence, a fixed electric terminal adjacent said arm, and a coil spring connected at one end to said terminal and having a portion near its other end slipped over and encompassing the free end of said arm to form a conducting tip therefor, the remaining portion of said spring forming a flexible connection between said tip and terminal.

1,740,453. CARBURETOR. WILLIAM C. CARTER, Wellston, Mo. Filed Jan. 20, 1923. Serial No. 613,919. 3 Claims. (Cl. 261—69.)



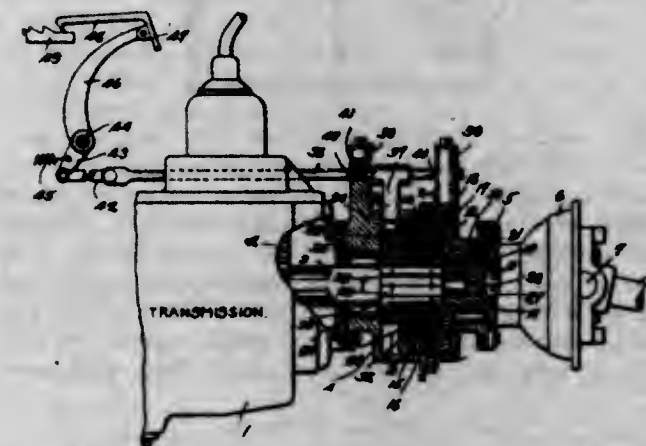
1. A carburetor provided with a passageway, a manually-operable throttle valve for governing the escape of the mixture from said passageway to the intake of the engine, an air valve arranged between the throttle valve and the air intake to said passageway for admitting air to said passageway, a fuel port in said passageway for admitting fuel to same, a fuel valve for governing the admission of fuel from said port to said passageway, connected with said air valve so as to move in unison with the same and arranged between the air valve and the throttle valve, a chamber provided with a diaphragm that is connected with said air valve and fuel valve so as to control said valves, and a duct leading from said diaphragm chamber and communicating with said passageway at a point between the air valve and the throttle valve, whereby a quick movement of the throttle valve into its open position closes the air valve and momentarily produces a high suction on the fuel supply port in said passageway, said suction thereafter diminishing while the pressure in the diaphragm chamber is balancing with the pressure in said passageway.

1,740,454. FOLDING MACHINE. ANDREW A. CASHMAN, Haverhill, Mass., assignor, by means assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 8, 1923. Serial No. 644,250. 24 Claims. (Cl. 12—55.)



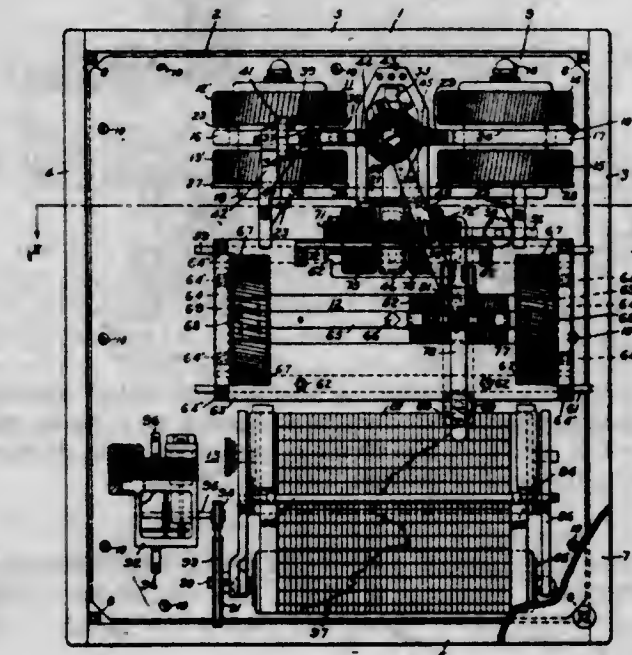
1. A machine of the class described having, in combination, a support for a piece of sheet material, means for imparting a bend to the margin thereof, a yielding member, and means for causing said member to penetrate the margin and carry it over upon the body of the material.

1,740,455. AUTOMATIC COASTER FOR AUTOS. JEW GARLICK, Paterson, N. J. Filed Dec. 9, 1926. Serial No. 153,582. 1 Claim. (Cl. 192—48.)



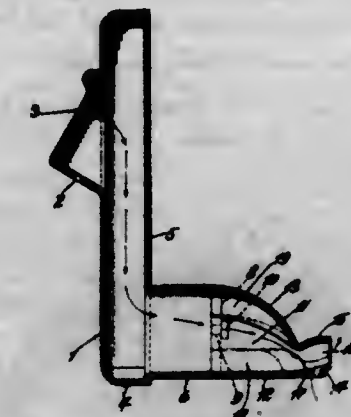
In a device of the class described, a housing having an opening in one end, two cooperating clutch members about which the housing fits closely, one of the clutch members being hollow and having a reduced neck journaled in the opposite end of the housing, means for moving the other of said clutch members into and out of engagement with the hollow clutch member at the will of an operator, a jack shaft including a short body of approximately the same length as the width of the interior of the housing, the shaft having reduced ends extended respectively into the neck and into the opening and of materially less diameter than the neck and the opening, said other clutch member being secured to the jack shaft for rotation therewith and for sliding movement therealong, and an overrunning clutch mechanism cooperating with the hollow clutch member and housed therewithin, one part of the overrunning clutch mechanism being connected to the shaft to rotate with the shaft.

1,740,456. GRAPHIC INSTRUMENT. EMIL H. GRUBBACH, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 24, 1928. Serial No. 249,016. 19 Claims. (Cl. 234—5.5.)



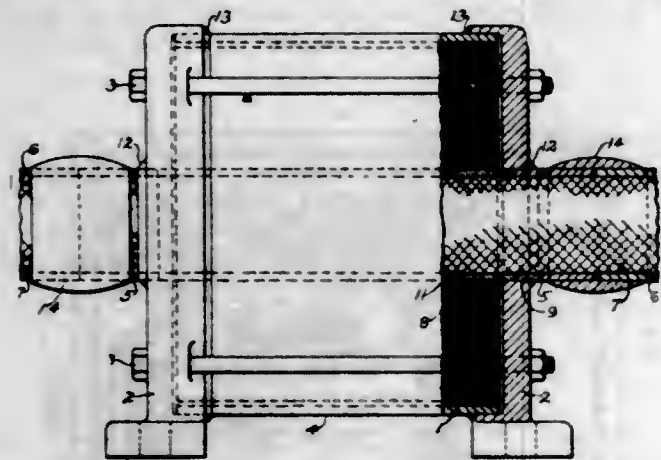
1. The combination with a measuring instrument, of a rectilinearly-movable coil operated by said measuring instrument for performing a control operation.

1,740,457. DEVICE FOR PROMOTING COMBUSTION. ANTHONY J. HAMMER, St. Louis County, Mo., assignor to International Smoke Burner Co., Dover, Del., a Corporation of Delaware. Filed Apr. 20, 1927. Serial No. 185,215. 4 Claims. (Cl. 110—175.)



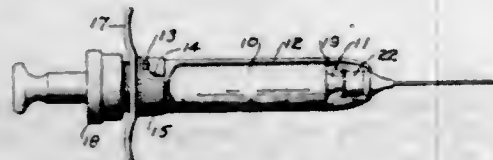
1. A device of the class described comprising an air inlet chamber having a horizontal bottom wall and a dome-shaped top wall, a series of spaced ribs arranged on the bottom wall and extending vertically therefrom, a second series of ribs depending from the top wall, said ribs tapering in width from the inlet to the outlet end of said chamber, and a nozzle integrally connected with said chamber and including an upwardly flared top wall and said nozzle being provided with an elongated outlet opening at its end, and an elongated inwardly flaring opening in its bottom wall extending longitudinally with said outlet opening.

1,740,458. R. R. REACTOR. JOSEPH S. HENREW, Masury, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 6, 1926. Serial No. 107,305. 4 Claims. (Cl. 175-356.)



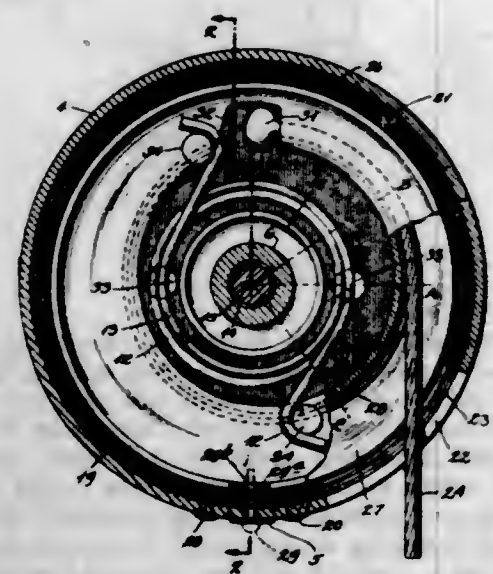
1. A reactor comprising a plurality of aligned laminæ having openings therein for the reception of a cable, end frames for confining the laminæ, and a tubular member enclosing the laminæ between the end frames.

1,740,459. ADAPTER AND LOCK FOR HYPODERMIC SYRINGES. GEORGE N. HAIN, San Francisco, Calif. Filed Oct. 24, 1925. Serial No. 64,534. 1 Claim. (Cl. 128-221.)



The combination with a syringe having a barrel formed with a tapered nipple and needle having a tapered base to fit the nipple, an adapter having a socket to fit over the nipple and open at its side adjacent its outer end to receive the base of the needle laterally therein, said socket being formed with a seat against which the base rests, a guard formed integrally with the adapter and surrounding the barrel of the syringe, a ferrule secured to the barrel of the syringe, and means for locking the guard to the ferrule whereby the adapter will cause the needle base to be pressed firmly against the tapered nipple.

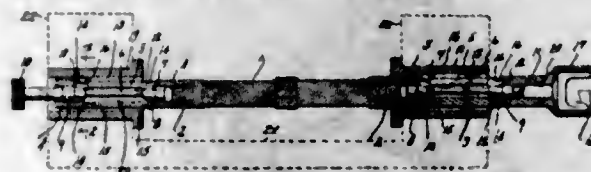
1,740,460. SNUBBER. BRADFORD B. HOLMES, New York, N. Y. Filed Apr. 9, 1924. Serial No. 705,255. 7 Claims. (Cl. 267-10.)



1. In a brake device a rotatably mounted brake member and a stationary brake member, the rotating member

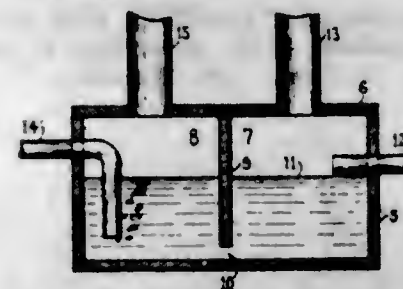
being provided with a reel of varying radius, a flexible draft element coiled on said reel and serving as a draft element for causing rotation of said reel to produce a braking effect the intensity of which varies with the angular position of the drum.

1,740,461. MULTIPLE-CYLINDER GRINDER. MARSDEN C. HUTTO, Detroit, Mich. Filed Aug. 9, 1926. Serial No. 128,024. 2 Claims. (Cl. 51-184.3.)



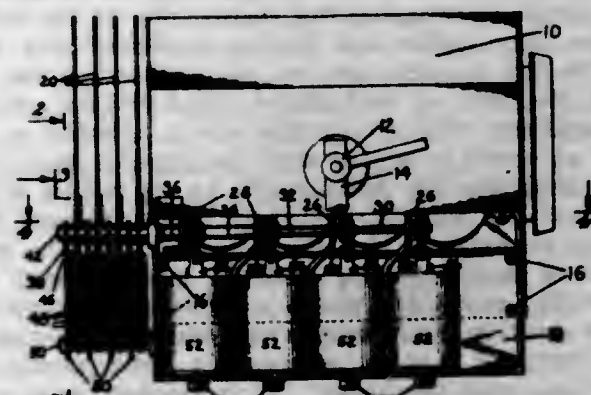
1. A grinder for simultaneously grinding a plurality of cylinders in axial alignment, comprising a plurality of body members arranged axially in line and each adapted to operate in one of said cylinders; grinding stones mounted on each of said body members and adapted to work on the bore of one of said cylinders independently of the work of the stones of another body member on another cylinder, a yoke rigidly connecting adjacent body members, and means arranged on each of said body members for positively radially adjusting the stones thereon independently of the adjustment of the stones on another body member.

1,740,462. METHOD OF CONDITIONING FLUIDS. ULRIC O. HUTTON, Wauwatosa, Wis., assignor, by means assignments, to Cutler-Hammer, Inc., a Corporation of Delaware. Filed Nov. 3, 1926. Serial No. 145,990. 2 Claims. (Cl. 183-121.)



2. The method of supplying test gas, and air as a standard fluid, for comparative analysis under like conditions of humidity or saturation, which comprises jointly subjecting separate flows of said gas and said standard fluid to humidity control by effecting contact thereof with a common body of non-volatile hygroscopic liquid consisting of a solution of glycerin and water in the proportion of nine to one, respectively, while insuring against contact of said gas and said standard fluid with each other.

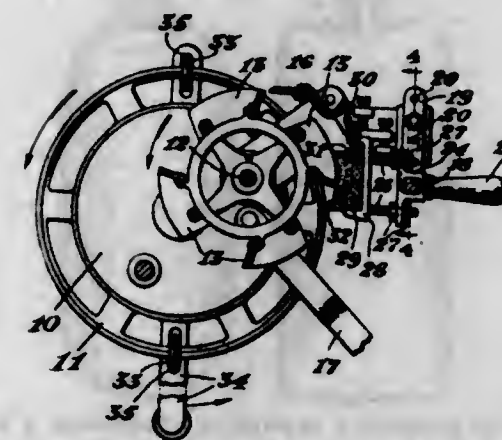
1,740,463. SPOTLIGHT. HERBERT A. KIEGL, New York, N. Y., assignor to Kiegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 16, 1928. Serial No. 246,932. 1 Claim. (Cl. 240-3.)



A color control apparatus for a spot light, comprising in combination, a frame, a plurality of color screens mov-

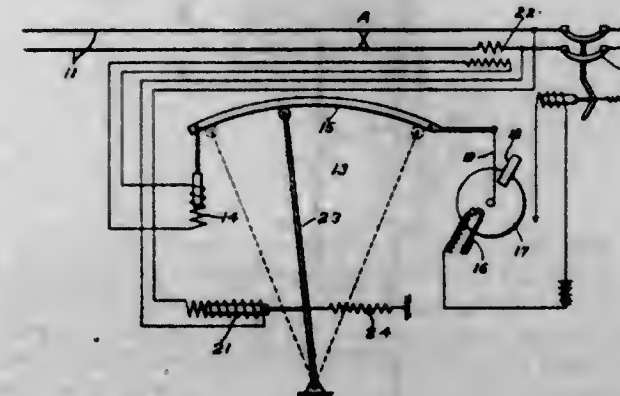
ably mounted on said frame, a plurality of electromagnetic devices mounted on said frame, a plurality of concentric shafts each operatively connecting one of said devices to one of said screens whereby each of said screens may be moved relatively to same frame by the device associated with said screen, said screens, devices, and shafts being arranged to form a unitary structure suitable for attachment to a spot light for the purpose set forth.

1,740,464. LAWN-MOWER-SHARPENING APPARATUS. CARL KNAUF, Kirkland, Wash. Filed May 29, 1926. Serial No. 112,434. 1 Claim. (Cl. 51-246.)



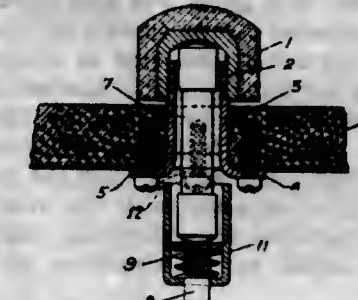
A sharpening apparatus for a lawn mower comprising a guide bar rectangular in cross-section having one end bent upwardly and perforated for adjustable attachment to the mower, an upwardly extending perforated member slidably disposed for longitudinal adjustment upon the opposite end of said bar for adjustably attaching said end to the mower, a manually reciprocable crosshead mounted upon said guide bar having a handle mounted thereon, a channel-shaped holder adjustably mounted upon the inner face of said crosshead for forward and rearward movement relative thereto, a block of abrasive material mounted within said holder having a concave abrading face, and means to clamp said block within said holder.

1,740,465. RELAY DEVICE. WALTHER KOCH, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 4, 1927, Serial No. 166,839, and in Germany Feb. 4, 1926. 4 Claims. (Cl. 200-97.)



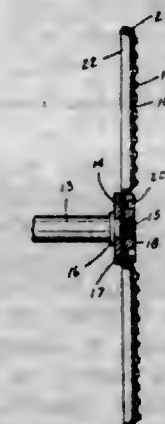
1. An electric relay comprising a contact member for controlling an external circuit, a time delay device associated therewith, a current element adapted to be energized from an external power circuit and to effect movement of the contact member and means responsive to the voltage of the external power circuit for introducing a multiplying factor in the effect of the current element upon the contact member.

1,740,466. FUSE HOLDER FOR PORTABLE METERS. BEAT G. LA BAR, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 8, 1926. Serial No. 163,261. 13 Claims. (Cl. 200-129.)



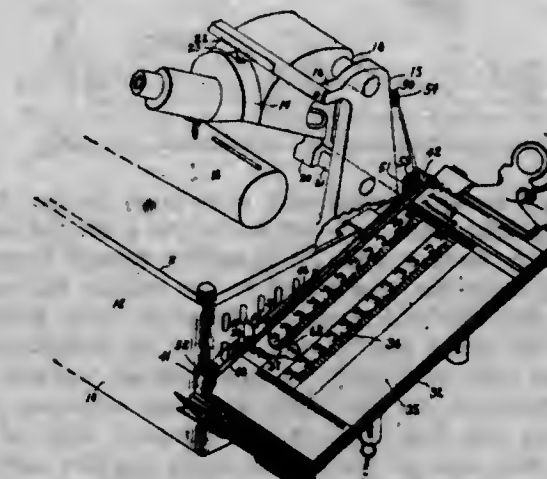
1. A fuse holding device comprising a perforated insulating member, a fuse supporting means mounted on one side of the insulating member for conductively engaging one of the terminals of a fuse, and a second fuse supporting means independently mounted on the same side of the said insulating member projecting beyond the other side of the insulating member for engaging another terminal of the fuse member.

1,740,467. ROTARY FILE. HOMER P. LAMBERT, Anderson, Ind. Filed Mar. 29, 1928. Serial No. 265,720. 4 Claims. (Cl. 29-78.)



4. A rotary file comprising an annular disk provided with a cutting surface, a rearwardly extending flange formed about the periphery of said disk and a protecting rim secured about said flange so as to envelop both sides thereof, said protective rim being formed of a soft metal of high tensile strength for retaining broken parts which may occur in said disk, due to the high rotary speed thereof.

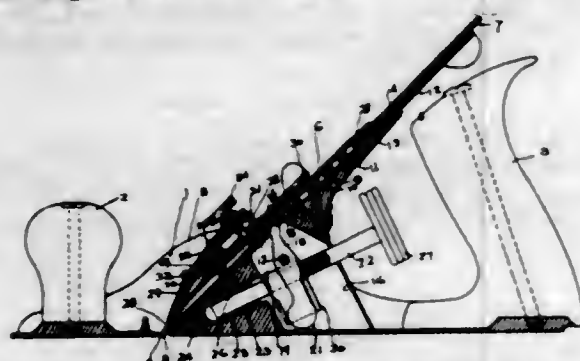
1,740,468. CORRECTION DEVICE. JOSEPH M. LUCARELLE, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a Corporation of New York. Filed Mar. 2, 1927. Serial No. 172,037. 27 Claims. (Cl. 274-17.)



17. In an indicator device for dictation machines, a frame; a sound-box movable over a record; a pointer car-

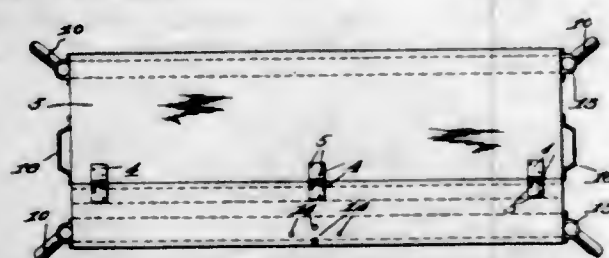
ried by said sound-box and adapted to indicate the relative position of the sound-box with relation to the record; a support for an indicator scale pad located at one side of the machine at a point remote from said sound-box; a guide rod carried on said support and an indicator slidably carried by said guide rod and movable with the soundbox; transmission means carried by the frame, said transmission means being connected to the sound-box and indicator; means for adjusting the relation of the sound-box to the indicator which is carried by the guide along the scale pad so that the indicator will correspond with the scale pad in the same manner that the pointer carried by the sound-box corresponds with the record; and said indicator being movable in a direction that is substantially at right angles to the direction of the movable sound-box.

1,740,469. BENCH PLANE. JOEL LUND, San Francisco, Calif.; Andrew Lund administrator of said Joel Lund, deceased. Filed Mar. 31, 1928, Serial No. 98,689. Renewed Aug. 20, 1928. 4 Claims. (Cl. 145-11.)



1. A plane comprising a body portion having a bit slot therein, a bit adjustably supported upon the body portion and extending through the slot, a chip breaker mounted upon the bit, a lever mounted upon the chip breaker, a fastening extending through the chip breaker and lever and serving as a pivot for the lever, a block mounted upon the fastening, a clamping plate mounted upon the chip breaker and having an opening therein in which said block is slidably engaged, a pin carried by the body portion and engaging the upper side of the clamping plate, and a set screw adjustable in said clamping plate and engaged with the chip breaker, said lever having a slot extending eccentrically with relation to the pivot therefor, through which slot the set screw extends.

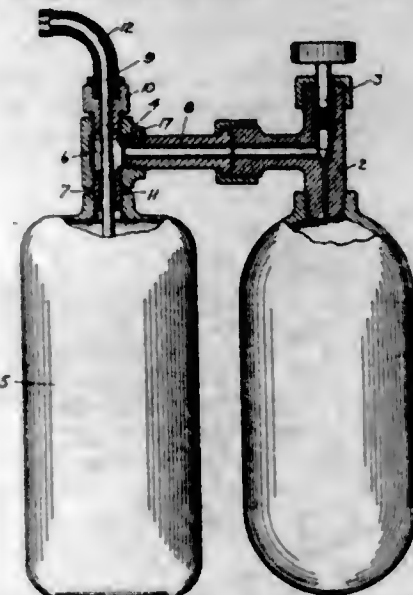
1,740,470. COMBINED TOOL BOX AND WORKBENCH. GEORGE W. MACK, Atlantic City, N. J., assignor to Mack Machine Company, Inc., a Corporation of New Jersey. Filed Mar. 22, 1927. Serial No. 177,355. 2 Claims. (Cl. 144-285.)



1. A sheet-metal tool-box and work-table having front and rear upright walls and end walls and a hinged cover, one side wall formed with an inwardly turned flange, a reinforcing angle-bar positioned to lie within the angle formed by the side wall and said flange at their juncture one with the other and having one of its flanges lying against the side wall and its other flange against the inwardly turned flange of the side wall, a second angle-bar positioned along the free edge of the inwardly turned edge of the side wall with one of its flanges lying against said inwardly turned flange, and hinges to the cover having one leaf rigidly connected to the side wall inwardly turned flange at the line of the angle-bar extending along its inner edge, and a

third angle-bar attached to the upper portion of the front wall of the box with one of its flanges extending inwardly to form a rest or seat for the free edge of the cover when closed.

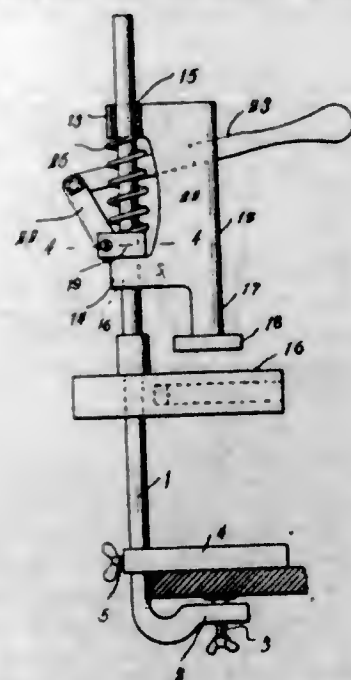
1,740,471. FLUID-PROJECTING APPARATUS. LEWIS M. MCBRIDE, Washington, D. C. Filed Nov. 28, 1922. Serial No. 603,804. 21 Claims. (Cl. 299-89.)



5. A fluid projecting apparatus comprising a fluid reservoir, a discharge tube projecting into the reservoir and terminating at its upper end in a nozzle, a helix disposed within the tube to impart rotary movement to the fluid, said helix having a diameter slightly in excess of the radius of the tube to insure complete rotation of the ejecting fluid, a gradually tapered tip formed on the upper extremity of the helix and projecting beyond the outlet end of the tube and disposed in concentric relation with respect thereto to effect a gradual constriction of the fluid as it is projected from the tube and a differential pressure device in connection with said tube to disintegrate and accelerate the fluid content thereof.

14. A method of projecting non-toxic agents of a temporarily incapacitating nature consisting in suspending a solid substance in a highly volatile carrying fluid, disintegrating and then discharging such fluid under conditions to effect volatilization of the fluid and projection of the residue at high velocity.

1,740,472. VEGETABLE-SLICING MACHINE. NUMAN H. MCFARLAND, Lubbock, Tex. Filed Apr. 14, 1928. Serial No. 270,006. 3 Claims. (Cl. 146-169.)



1. A device of the class described comprising a standard, a frame carried by the standard, a board removably engag-

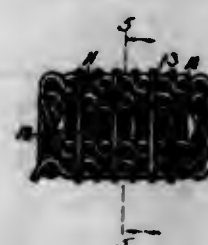
ing the frame and having slicing blades carried thereby, a head slidably connected with the standard, a clamp fixed to the standard, a lever pivotally connected with the head and clamp, and means engaged with the clamp for yieldably holding the head in its inoperative position.

1,740,473. MORTISE GAUGE. JOHN F. MEYER, Berkeley, Calif. Filed Dec. 5, 1927. Serial No. 237,950. 4 Claims. (Cl. 33-197.)



1. A device of the character described comprising a base block, cutting blades defining three sides of a rectangle secured to the base block, an adjustable depth gauge forming the fourth side of the rectangle adjustable perpendicularly to the plane of the cutting edges of the cutting blades secured to the base block, and means for adjustably securing the base block from the end of a door at a predetermined distance.

1,740,474. BUFFER FOR CLEANING AND SIMILAR TOOLS. HAROLD J. MOORE, Middletown, Conn. Filed Oct. 19, 1928. Serial No. 142,588. 2 Claims. (Cl. 139-423.)

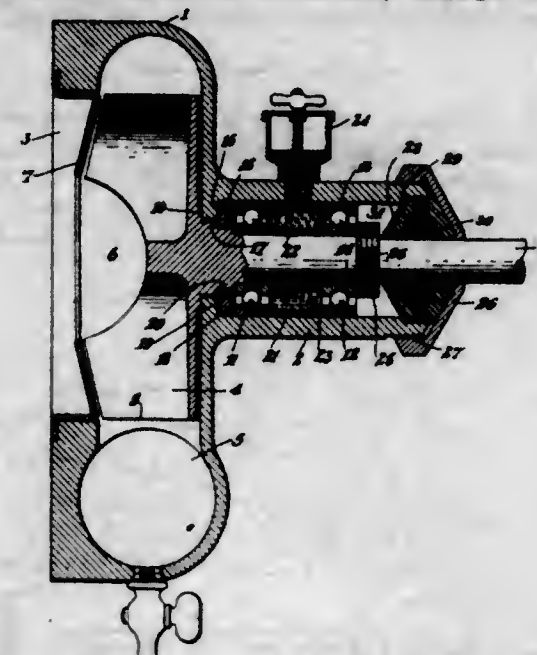


1. A buffer strip comprising warp and weft threads woven into flat tubular formation with the warp threads omitted at the edges in the warp plane of the elastic threads, a double layer of elastic threads woven into the bore of said formation, and holder threads separate from the warp threads woven through the strip in parallelism with the warp threads and spanning on the surfaces of the strip a different number of weft threads than the span of the warp threads.

1,740,475. PUMP. CHARLES A. MURDOCH, New York, N. Y. Filed Mar. 16, 1928. Serial No. 95,019. 4 Claims. (Cl. 308-187.)

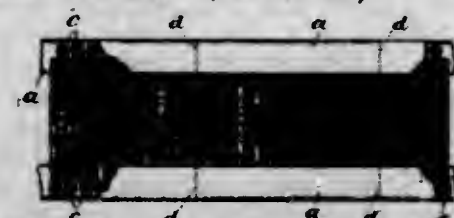
1. In a device of the class described, the combination with a rotor and its supporting shaft of spaced bearings

for the shaft and a spacing element located between the bearings and adapted to frictionally engage the shaft



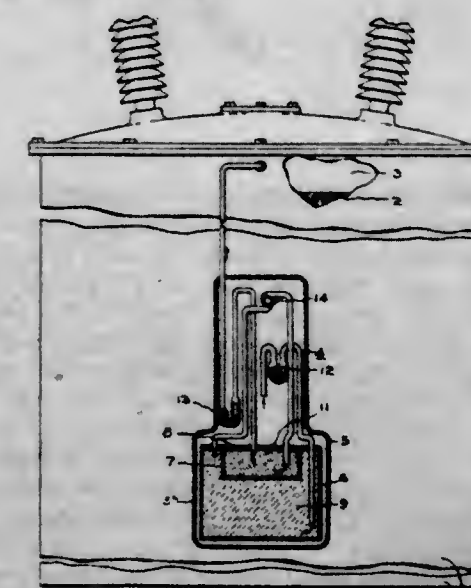
to prevent the passage of rotor impelled fluid along the shaft from one bearing to the other, said spacing element being expandable on contact with said fluid.

1,740,476. MULTIPLE-CARD MATCH PACKAGE. ALEXANDER OVTCHINNIKOFF, Arnstadt, Germany. Filed Feb. 18, 1927, Serial No. 169,312, and in Germany Feb. 18, 1928. 7 Claims. (Cl. 44-44.)



2. A package of matches consisting of a plurality of layers, each layer of which has the heads of its matches disposed in zig-zag order throughout the length of the layer, and two strips of protecting material for the heads of said matches enclosing the heads and attached to the bodies of the matches beyond the heads, said strips also acting as a means to hold the matches relatively one to the other.

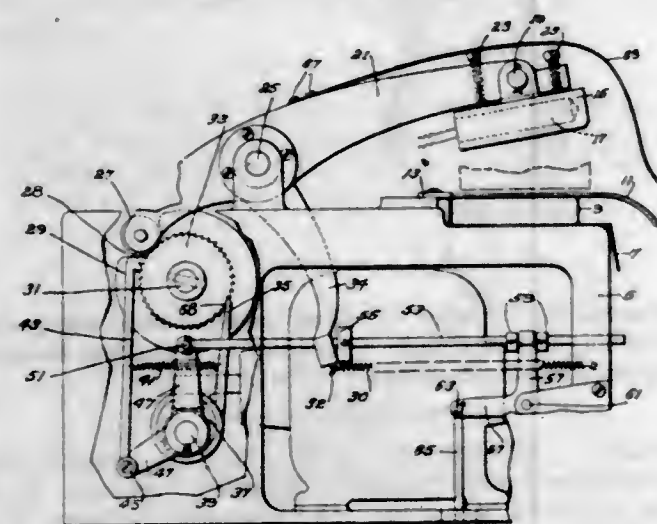
1,740,477. PROTECTIVE APPARATUS. CLARENCE J. RODMAN and CHARLES A. STYER, Wilkesburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1925, Serial No. 2,779. Renewed May 11, 1929. 9 Claims. (Cl. 220-85.)



1. In combination, an electrical device comprising a casing, a deoxidizing compound and a dehydrating com-

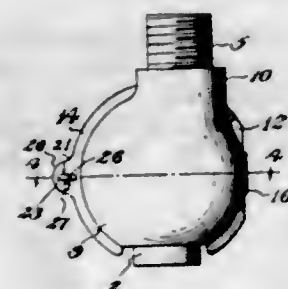
pound disposed between the atmosphere and the casing in the order named, and means for sealing said compounds from each other under predetermined conditions.

1,740,478. METHOD OF AND MACHINE FOR SOFTENING SHOE STIFFENERS. ERNEST E. SABIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,070. 14 Claims. (Cl. 12-52.)



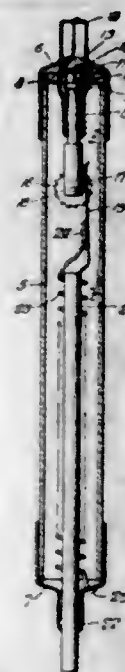
1. The method of softening a thermoplastic stiffener which is superposed upon a portion of the upper of a shoe which comprises holding the exposed side of the upper in contact with a relatively cool medium and subjecting the exposed side of the stiffener to radiant heat.

1,740,479. PIPE-COUPLING SEAL. RAMON SALBADOR, New Orleans, La. Filed Mar. 23, 1928. Serial No. 264,227. 3 Claims. (Cl. 70-123.)



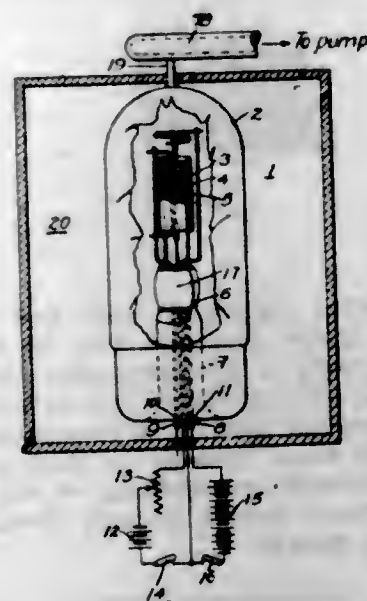
1. A coupling shield comprising companion side sections each of a cup-like formation and cooperating to form a hollow body adapted to fit about a coupling and pipe sections joined thereby, the body having openings in its upper and lower portions to receive the pipe sections, the said side sections having outflaring flanges along their margins between the openings abutting when the sections are closed, the flanges at one side having straight cut edges, a hinge tongue carried by one section at the last-mentioned side of the body and projecting therefrom to extend across the straight cut edges of the flanges and having its free end portion bent to extend inwardly through an opening in the adjacent side portion of the second section and hingedly connect the sections but allow the sections to be disconnected, and means to releasably retain the sections closed.

1,740,480. SELF-SOLDERING HEAT-COIL FUSE FOR SWITCHBOARD PROTECTION. HENRY F. SKIDMORE, Chicago, Ill., assignor to Reliable Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1927. Serial No. 178,425. 5 Claims. (Cl. 200-124.)



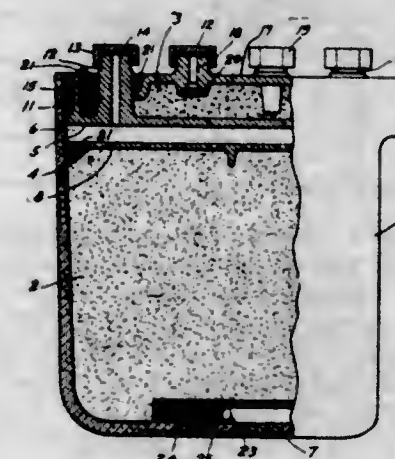
1. A thermal protector of the character described comprising a pair of electrodes, heat responsive means normally retaining said electrodes in electrical engagement and adapted upon undue increase in heat to permit separation of said electrodes, spring means normally under stress adapted to cause a wide separation of said electrodes upon softening of said heat responsive means, an enclosing shell housing said electrodes, heat responsive means and spring means, and means projecting outside said shell for again setting said electrodes into operative engagement without re-softening said heat responsive means, said means projecting outside the shell also being manually operable to disengage said electrodes independently of said heat responsive means.

1,740,481. TUBE DEVICE. LEE SUTHERLIN and HUBERT M. FREEMAN, East Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,876. 1 Claim. (Cl. 250-27.5.)



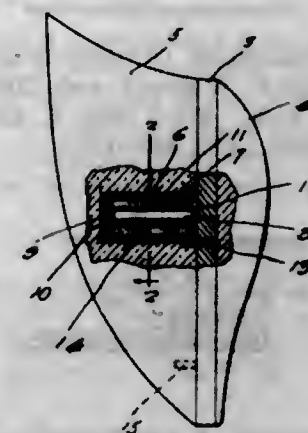
An evacuated device comprising a container and a getter therein, said getter comprising a mass of lime obtained in situ by the action of heat and vacuum upon a mass of calcium hydroxide.

1,740,482. CHEMICAL CONTAINER. ARTHUR W. THOMPSON, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 21, 1924. Serial No. 745,040. 7 Claims. (Cl. 23-252.)



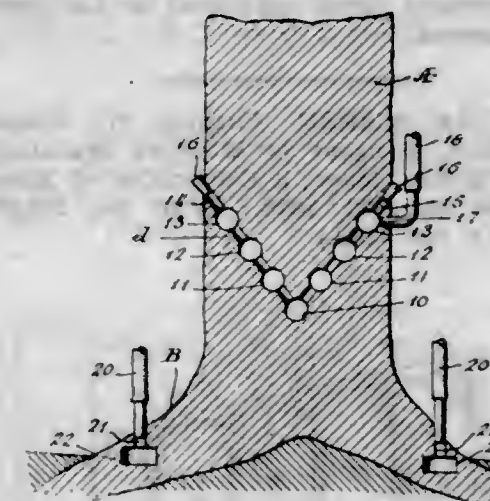
1. A chemical container comprising a plurality of perforated partitions for sub-dividing the jar into compartments, a tube extending downwardly through the partitions from the exterior of the casing to the bottom thereof, a sealing compound surrounding the tube, and a body of porous material surrounding the inner end of the tube.

1,740,483. ARTIFICIAL TOOTH. FRANK S. TRUSLER, Vernon, Tex. Filed Jan. 25, 1928. Serial No. 249,328. 1 Claim. (Cl. 32-9.)



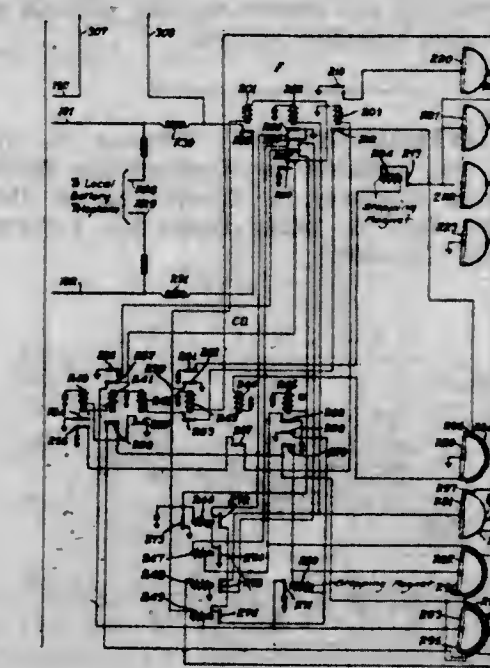
In an artificial tooth construction, a backing member, a facing associated therewith, said facing being formed in one side with a socket, a metal lining for the socket, a concentric pin mounted in said socket, a tube carried by said backing member and fitting snugly and telescopically upon said pin, expanding means between the pin and free end portion of the tube, a cylindrical casing carried by said backing member, and surrounding said tube, in spaced concentric relation, said casing fitting telescopically into said socket and being in contact with the socket lining, and expanding means interposed between said casing and the free end portion of said lining.

1,740,484. IMPREGNATING PROCESS FOR DYING OR PRESERVING WOOD. FRITZ VON BEHR, Uslar in Solling, Hanover, Germany. Filed June 2, 1928. Serial No. 113,269. 2 Claims. (Cl. 47-58.)



1. The process which consists in forming channels in the roots and trunk of a living tree, the said root channels being enlarged at their lower end to form basins, introducing a treating liquid into such channels and allowing such liquid to become distributed within the tree.

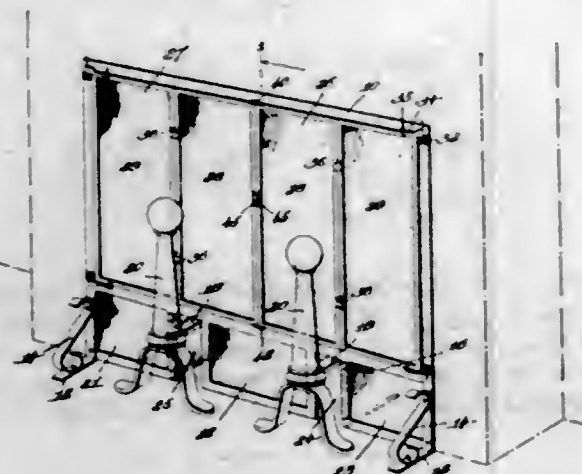
1,740,485. SUPERVISORY CONTROL SYSTEM. ROY J. WANSLEY, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 16, 1923. Serial No. 632,593. 5 Claims. (Cl. 177-353.)



1. In a supervisory control system, a first station, a remotely disposed station, apparatus units at said remote station, means for operating said units automatically, supervisory signals at said first station individual to each of said apparatus units, an automatic switch at said remote station, a set of wipers and cooperating bank contacts for said switch, connections from said apparatus units to individual contacts on said switch, means responsive to the operation of one of said apparatus units for operating said switch to associate said switch wipers with the bank contacts cooperating with the apparatus units operated, a trunk line extending from said remote station to said first station, a second switch comprising a set of wipers and cooperating bank contacts, means including circuit connections from said first switch to said second switch whereby said first switch controls the

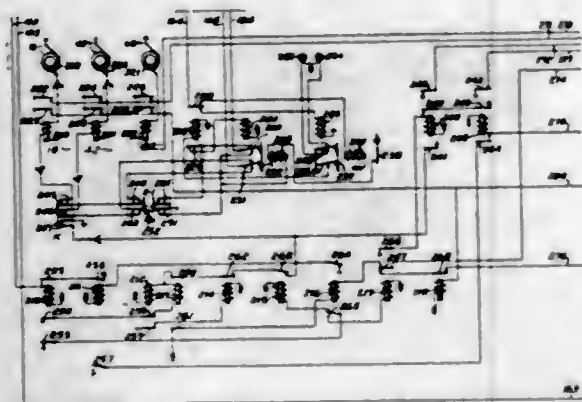
movement of said second switch, means responsive to the movement of said second switch for transmitting a code combination of impulses individual to the position of said first switch over said trunk line and means at said first station responsive to said impulses for selectively operating the supervisory signal individual to the apparatus which has operated.

1,740,486. FIRE SCREEN. CHARLES W. WHEELLOCK, Malden, Mass., assignor to Wheelock Manufacturing Company, Malden, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1928. Serial No. 263,910. 6 Claims. (Cl. 126-202.)



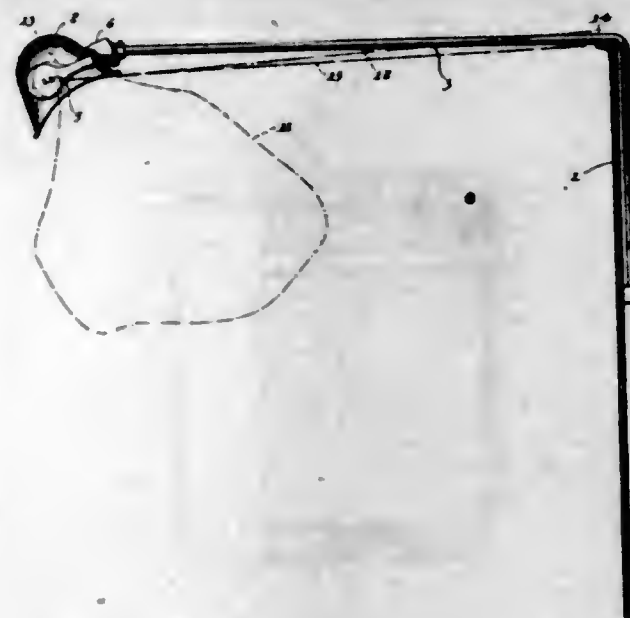
1. A combined fire screen and spark arrester comprising a frame adapted to encompass the fireplace opening, a plurality of sliding and folding screen sections within the frame, and means for hingedly connecting the screen sections to the frame and adapted to permit bodily lateral displacement of the screen sections without removing the frame from operative position.

1,740,487. CONTROL SYSTEM. THOMAS U. WHITE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 6, 1924. Serial No. 718,360. 11 Claims. (Cl. 177-353.)



1. In an electrical control system comprising a dispatcher's office, a station, apparatus units in said station and signalling devices in said office, the combination with a two-conductor trunk line connecting said office and station, relay-chain selecting devices at said office and station, of means, including said trunk line, for operating said selecting devices to select simultaneously said units and said signalling devices in a predetermined sequence, means for stopping the operation of the selecting devices in a predetermined position before they reach the end of their normal sequence of operation, and switching means for rendering said trunk line available for direct control of the operation of any of said units, after the operation of said selecting devices.

1,740,488. REFLECTOR. WESLEY WILSON, Chicago, Ill., assignor to Benjamin Electric Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed May 19, 1927. Serial No. 192,522. 2 Claims. (Cl. 240-73.)



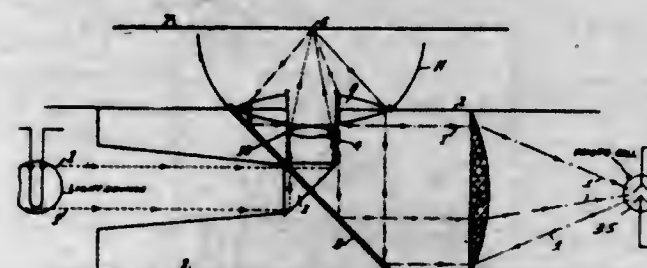
1. Means for illuminating a substantially vertical surface, comprising a substantially horizontal conductor conduit extending forwardly from said surface, a bushing secured at the front end of said conduit having a forwardly and upwardly sloping face, a truncated cylindrical cup-like housing having its bottom secured to said sloping face and its axis extending downwardly and forwardly, a lamp receptacle in said cup-like housing for supporting a lamp so that its axis extends downwardly and forwardly, and a concave reflector surrounding said lamp and having its axis transverse to said lamp, so as to extend downwardly and rearwardly, said reflector being oval in a cross-section vertical to its axis, the major axis of the oval being substantially parallel to the illuminated surface, and minor axis of the oval extending downwardly and forwardly, the rear edge of said reflector lying substantially in a plane through the light source and the upper edge of the surface to be illuminated.

1,740,489. AUTOMOBILE CLOSED-BODY CONSTRUCTION. HERBERT J. WOODALL and MEREDITH S. RANDALL, Detroit, Mich. Filed Aug. 2, 1926. Serial No. 126,588. 1 Claim. (Cl. 45-138.)



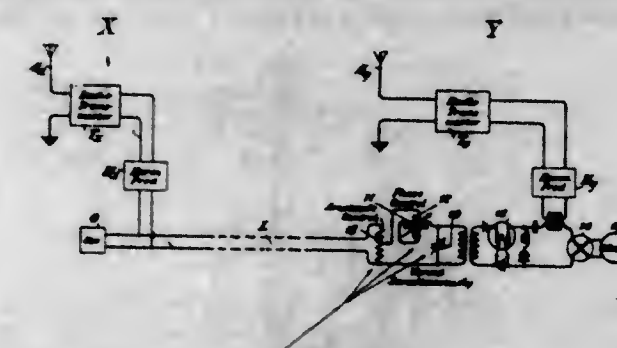
In body construction, a substantially rectangular wall frame having a continuous marginal recess extending about three edges, a wall panel adapted to fit said frame having a marginal fold along three edges adapted to seat within said recess, said frame provided with a plurality of outwardly projecting headed studs located at intervals within said recess, said marginal fold of the panel provided with a plurality of keyhole apertures located at intervals corresponding to the studs of the frame and adapted at their large ends to receive therethrough the heads of the studs, said heads being adapted to engage the margins of the small ends of the apertures, said panel provided with a plurality of apertures arranged at intervals about the edges provided with the fold, said apertures so arranged that one is positioned opposite the small end of each keyhole aperture through the fold and is of a size to receive and embrace the head of the stud extending through said keyhole aperture.

1,740,490. PICTURE TELEGRAPHY. GEORGE MAURICE WRIGHT, SIDNEY BERTRAM SMITH, and NORMAN EUSTACE DAVIS, Chelmsford, England, assignors to Radio Corporation of America, a Corporation of Delaware. Filed Apr. 14, 1927, Serial No. 183,681, and in Great Britain Apr. 21, 1928. 14 Claims. (Cl. 178-7.)



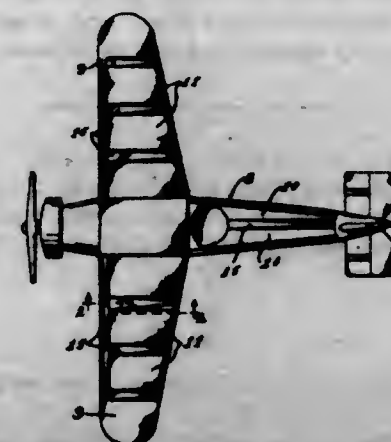
1. In a picture transmission system, a stationary source of light, a message form for supporting the picture to be transmitted, optical means for projecting the light from said source to a point on said supported picture, means for mounting said optical means within said message form, means for causing said projected light to traverse the entire message form, and means for collecting light reflected from said picture.

1,740,491. COMPENSATION FOR PHASE VARIATIONS. HERMAN A. ARVILL, Ridgewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 23, 1927. Serial No. 221,564. 10 Claims. (Cl. 178-44.)



1. The method of compensating for variation in the phase shift resulting from transmission over a transmission line including a phase controlling element, which consists in observing the change in amplitude of the arriving current which accompanies such change in phase, and adjusting a phase controlling element of the line in accordance with the observed change in amplitude.

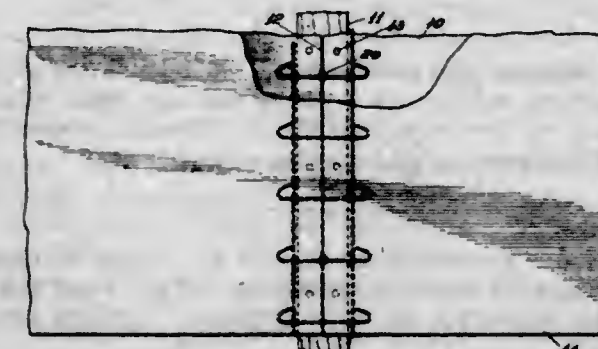
1,740,492. JOINT CONSTRUCTION FOR METAL PLATING OF AIRSHIPS. ANTHONY W. AGLER, Los Angeles, Calif. Filed Mar. 9, 1929. Serial No. 345,630. 6 Claims. (Cl. 244-31.)



1. A joint construction for metal plating for airships comprising a pair of spaced plates, the adjacent edges of

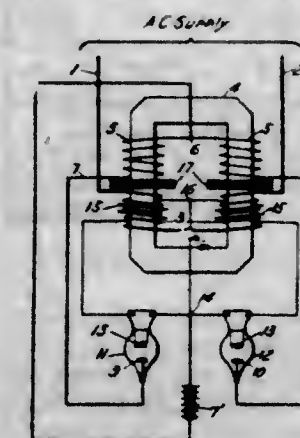
said plates provided with inturned flanges extending relatively aslant, and a tensioning plate provided with inturned flanges slidably engaged with the first mentioned flanges, the flanges of the tensioning plate extending relatively aslant to correspond with the slant of the first mentioned flanges so that said pair of plates may be tensioned by relatively sliding the pair of plates and the tensioning plate.

1,740,493. PLASTER-BOARD-JOINT REINFORCEMENT. CHARLES R. BIRDSEY, Hinsdale, and FREDERICK A. MANSKE, Chicago, Ill. Filed Aug. 2, 1928. Serial No. 296,923. 3 Claims. (Cl. 72-16.)



1. In a joint reinforcement for plasterboard, a plurality of longitudinal wires in parallel relation, and a plurality of cross wires electric-welded to said longitudinal wires, the ends of said cross wires extending beyond said longitudinal wires to form an irregular edge for said joint reinforcement.

1,740,494. HOT-FILAMENT RECTIFIER. EDGAR W. BAWISCH, Ridgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 5, 1920, Serial No. 422,019. Renewed Oct. 11, 1923. 4 Claims. (Cl. 175-363.)

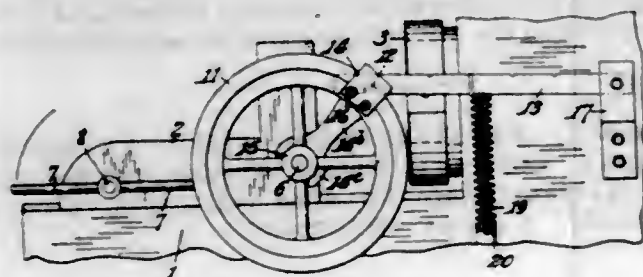


4. In combination with an electrical-discharge device having a cathode adapted to be heated and an anode, a supply transformer having a primary winding, a secondary winding closely coupled magnetically with said primary for heating said cathode and another secondary winding substantially less closely coupled magnetically with said primary winding for producing current flow between said anode and cathode.

1,740,495. DEVICE FOR CLOSING AND OPENING THE VISE JAWS OF AUTOMATIC SCREW MACHINES. ALFRED BRISSEN and RUSSELL CALLOW, Wheeling, W. Va., assignors to Wheeling Machine Products Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Dec. 14, 1928. Serial No. 326,080. 7 Claims. (Cl. 10-89.)

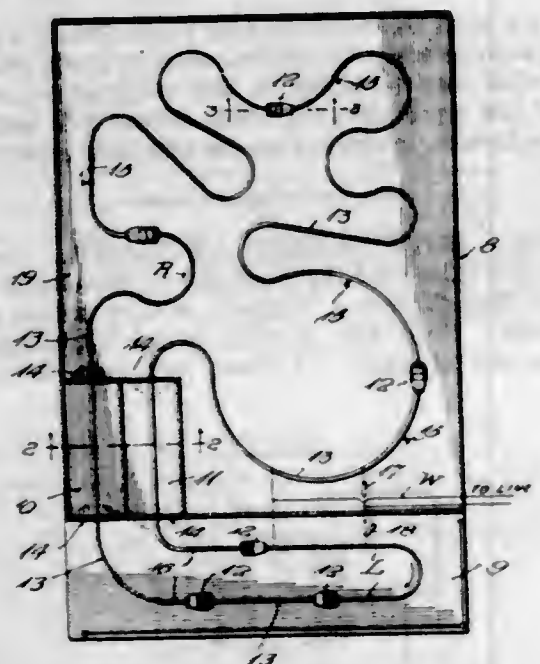
4. In a machine of the character described, the combination with a reciprocable carriage having work-holding jaws mounted thereon, of rotary means for opening and closing

said jaws during reciprocating movements of said carriage, said means including a transverse shaft journaled on said carriage, a wheel fixed on said shaft, a wrist-pin mounted on said wheel, a pivoted bar having therein a recess nor-



mally engaged with said wrist-pin whereby, in the advance and return movements of said carriage, said wheel is actuated to rotate backward and forward, respectively, for effecting closing and opening of said jaws.

1,740,496. AMUSEMENT RAILWAY. LEON S. CASSIDY and MARVIN REMPFER, Bridgeton, N. J. Filed Feb. 16, 1929. Serial No. 340,550. 9 Claims. (Cl. 104-63.)

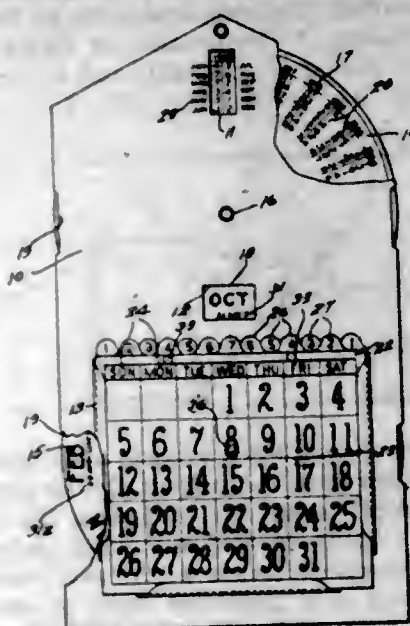


1. In an amusement railway, a floor, a track extending along the same, the upper side of said track being spaced above said floor, and a car over the track, said car embodying rear wheels supported by said floor in laterally spaced relation with said track, and a front wheel guided by said track, said floor being substantially free of encumbrances which would prevent lashing of the rear portion of the car transversely of the track, said rear wheels being adapted to abut said track to limit such lashing of the car.

1,740,497. CONTINUOUS CALENDAR. STEPHEN R. COLEMAN, Los Angeles, Calif. Filed May 5, 1928. Serial No. 275,294. 4 Claims. (Cl. 40-107.)

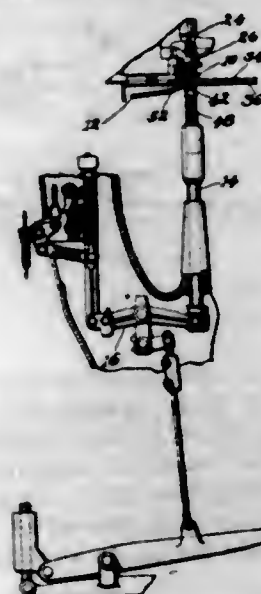
1. A calendar comprising members having year and month indices adapted for selective exposure to indicate a predetermined month and year, a plurality of cards having monthly calendar charts on their respective faces, the charts on the different cards indicating the start of the month on different days of the week, with the charts on opposite faces of each card indicating the start of the month on the same day of the week but indicating months comprising a different number of days, means for supporting the charts in superimposed relation so as to permit their reversal for displaying the chart on either face of a selected topmost card, means associated with the month indices

and adapted for exposure therewith to indicate the face of the selected card to be displayed for the indicated month,



and means associated with the year indices and adapted for exposure therewith to indicate the cards to be selected for the respective months of the indicated year.

1,740,498. FASTENING-INSERTING MACHINE. WILLIAM E. COLLETTE, Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 16, 1927. Serial No. 206,216. 9 Claims. (Cl. 1-41.)



1. A fastening inserting machine having an abutment, a work support in opposed relation to the abutment, pressure-controlling mechanism arranged to press a work piece carried by the work support against the abutment during the insertion of fastenings and to relieve the pressure upon the work piece while the work piece is fed between the insertion of successive fastenings, and means to hold the work piece lightly against the abutment when the pressure is relieved.

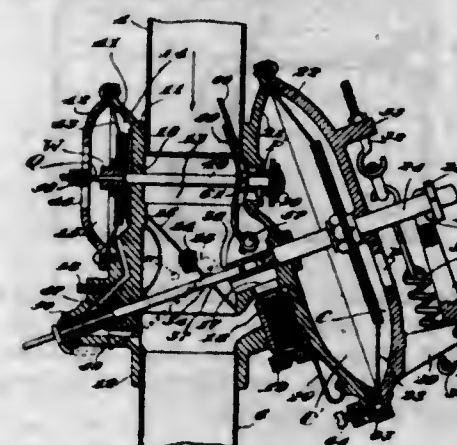
1,740,499. ANIMATED SIGNBOARD. REX CORDILL, Los Angeles, and HENRY C. YUNKER, Oakland, Calif.; said Yunker assignor to said Cordill. Filed Sept. 13, 1926. Serial No. 135,004. 2 Claims. (Cl. 88-24.)



1. A standard bill board, a projecting apparatus to the rear of said bill board, means for illuminating a face of

said bill board, an aperture in said bill board, means for shading the aperture from the aforesaid illuminating means, and means disposed within the aperture adapted to have characters projected thereon.

1,740,500. POWER-CONTROLLING APPARATUS. JAMES T. COWLEY, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Nov. 7, 1928. Serial No. 317,858. 27 Claims. (Cl. 243-9.)



1. Power controlled apparatus for use in a pneumatic despatch system having a transmission tube, said apparatus comprising a controlling valve which, when open, is held motionless by the pressure of the air against one side of it, and means responsive to delivery of a carrier from the transmission tube to cause the air pressure to shift to the other side of the valve and thereby close it.

1,740,501. TRAFFIC-WARNING DEVICE. RUDOLPH C. ECKSTRAND, Seattle, Wash. Filed Aug. 7, 1928. Serial No. 297,925. 2 Claims. (Cl. 40-125.)



1. A traffic warning device comprising a plurality of ribs disposed in spaced relation across a driveway, a lighting system for said ribs, and said ribs having apertures for passage of light rays from the lighting system.

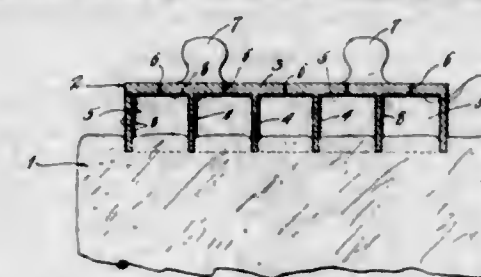
1,740,502. SPOOL FOR LOOMS AND OTHER TEXTILE MACHINES. PETER FRÜH and KARL BRAUN, Gauting, near Munich, Germany; said Braun assignor to said Fröh. Filed Oct. 3, 1927. Serial No. 228,614, and in Germany Jan. 5, 1926. 4 Claims. (Cl. 242-120.)



1. A bobbin of light metal, for textile machinery, having a foot and a tubular shank, said shank having longitudinal, inwardly directed indentations forming ribs extending interiorly of the shank beyond its inner periphery, said ribs having slots extending lengthwise thereof.

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1,740,503. DEVICE FOR FORMING ICE CUBES. DONALD H. FRY, Los Angeles, Calif. Filed Sept. 1, 1928. Serial No. 303,386. 2 Claims. (Cl. 62-111.)



2. An ice presser comprising, a plurality of grids forming a plurality of ice receiving compartments of uniform dimensions, a coating of heat insulating material on the sides of said grids, the bottom edges of the grids being left uncovered.

1,740,504. CLAY-TREATING ATTACHMENT FOR PUG MILLS. JOHN GREENCORT, Lewistown, Mont. Filed Mar. 14, 1928. Serial No. 261,607. 5 Claims. (Cl. 250-96.)



1. Feeding and agitating apparatus comprising open receiving means into which a comminuted substance is discharged, means to inject a stream of liquid into the substance at one end of the receiving means, a shield to prevent splashing over of the liquid and substance to set up a swirling action, a spreading device at the opposite end of the receiving means including a plurality of variously directed wings interrupting the swirling action and forming a plurality of channels through which the liquid and substance are discharged, and means for discharging a liquid into the trough adjacent to said spreading device.

1,740,505. COOKING STOVE. IRWIN D. GROAK, Chicago, Ill. Filed Sept. 2, 1927. Serial No. 217,132. 3 Claims. (Cl. 126-340.)

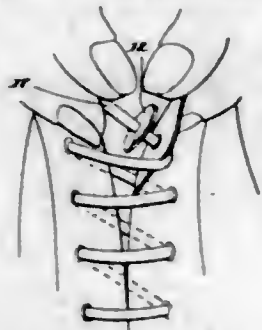


1. In a stove, the combination with a chamber in said stove, and a front door hinged at one side thereof to said chamber, of a vessel supporting structure having a pair of upstanding side portions provided with horizontally disposed elongated slots, means for slidably sustaining said structure in said chamber, and connection between said door and said supporting structure whereby the latter will be automatically withdrawn from said chamber when the door is opened, said connection comprising a stud slidably received in said slot, a rod having one of its ends rigidly secured to said door, and a link connecting said stud and the free end of said rod.

1,740,506. LACING FOR SHOES AND OTHER ARTICLES. HANS GROSSER, Buenos Aires, Argentina, assignor to Guillermo E. Alvarado, New York, N. Y. Filed Aug. 15, 1928. Serial No. 299,676. 1 Claim. (Cl. 24-143.)

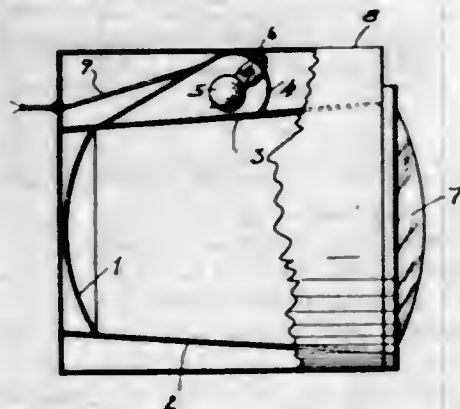
In combination, a flat disc having a central opening therein and a radial slot extending from said central

opening to the outer periphery of the disc, and an elastic lacing passing through said central opening, said central opening being of smaller cross-sectional area than that of



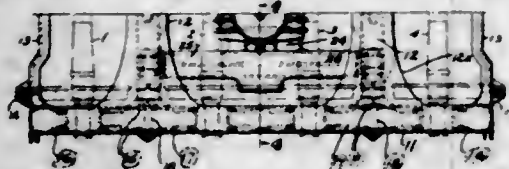
the elastic lacing when said lacing is unstretched and of greater cross-sectional area than that of the lacing when the lacing is stretched, the faces of the disc being substantially at right angles to the lacing.

1,740,507. NONGLARE HEADLIGHT. CHARLES ALBERT HAAS, Redwood City, Calif., assignor to Haas Non-Glare Headlight Company, San Francisco, Calif., a Corporation of California. Filed Jan. 11, 1928. Serial No. 246,062. 1 Claim. (Cl. 240-41.)



A non-glare headlight comprising cylindrical inner and outer casings, said outer casing set eccentric to said inner casing, said inner casing having a small end, and a larger end, a reflector in said small end, a lens in the larger end, an opening in the wall of said inner casing into the space formed by the eccentric setting of said casings, a reflector set over said opening at an angle to focus on the center of said first reflector, an electric lamp in said second reflector, and said second reflector being between the walls in the space formed by the eccentric setting of said outer and inner casing.

1,740,508. RAILWAY TRUCK. EINAR G. HALLQUIST, Edwardsville, Ill., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill., a Corporation of Delaware. Filed Feb. 11, 1928. Serial No. 253,636. 30 Claims. (Cl. 105-183.)

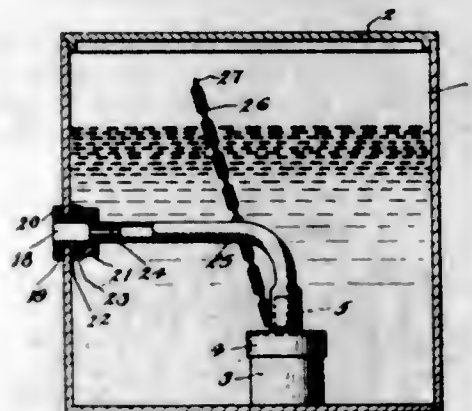


3. In a railway truck, a rigid truck frame, two pairs of axles, transoms across and rigid with said frame between the axles of each of said pairs, and a truck bolster between said pairs and supported by said transoms.

1,740,509. DEVICE FOR COOLING LIQUIDS. LOUIS W. HASSENSALL, Toledo, Ohio. Original application filed Apr. 20, 1928, Serial No. 271,625. Divided and this application filed Nov. 30, 1928. Serial No. 322,828. 6 Claims. (Cl. 62-92.)

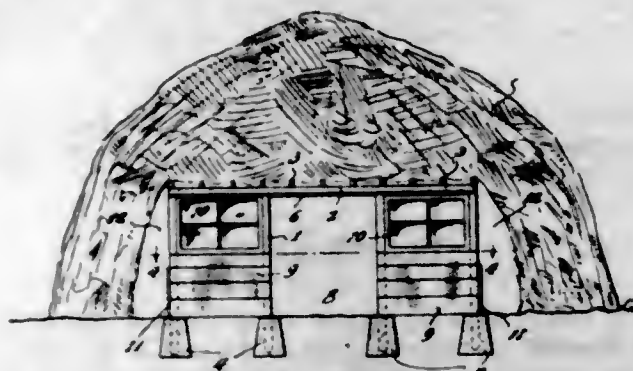
1. A cooling device to be disposed within a water container comprising a receptacle adapted to contain frozen

gas, said receptacle being open at its top and having a flat bottom whereby the receptacle may rest upon the bottom of the water container in an upright position, a cover for said receptacle removably engaged therewith



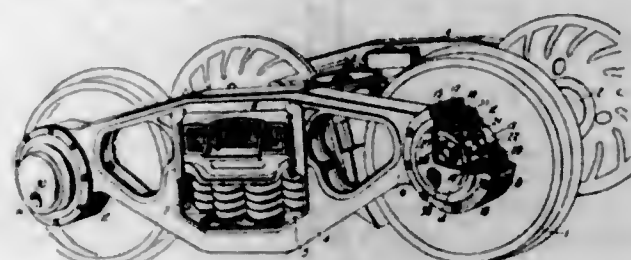
and having a tubular neck constituting an outlet neck when the cover is applied to the receptacle, a discharge pipe connected with said neck, and a hollow terminal connected with said pipe and adapted to be secured in an opening formed in the container.

1,740,510. THATCHED STOCK SHELTER. OTTO H. HEINE, Eugene, Oreg. Filed May 9, 1928. Serial No. 276,483. 3 Claims. (Cl. 119-16.)



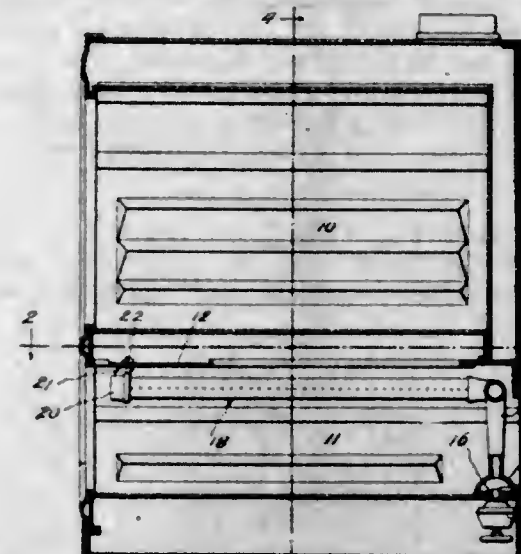
1. A stock shelter including a supporting structure having the lower portion of its walls enclosed and the upper portion open, an end wall being provided with an entrance for stock and a thatch of straw covering the top and sides of the structure, and having the side portions spaced from the side walls of the structure whereby provision is had for the placing of feed for the stock.

1,740,511. CAR TRUCK. IRVING C. HICKS, Topeka, Kans., assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Oct. 28, 1927. Serial No. 229,449. 4 Claims. (Cl. 105-219.)



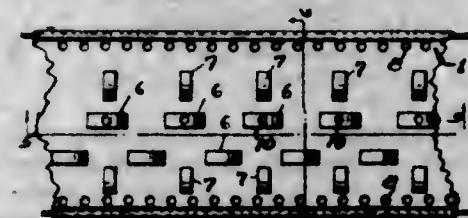
1. In combination with a car truck and the wheel journals thereof, a side frame comprising a cast element having ring-shaped journal housings integral therewith, a journal casing in each ring-shaped housing, roller bearing sets supported between the wheel journal and the journal casing, a cover plate fixed to the journal casing, and a keeper ring attached to the ring-shaped housing to retain the journal casing.

1,740,512. BURNER-MOUNTING MEANS. GEORGE ALBERT HOFFMAN, Mansfield, Ohio, assignor to The New Method Stove Company, Mansfield, Ohio. Filed Feb. 9, 1929. Serial No. 338,743. 7 Claims. (Cl. 126-39.)



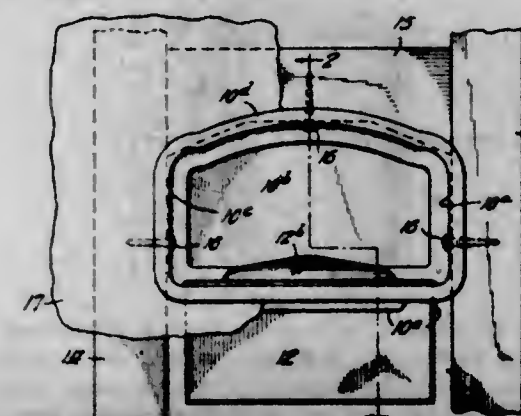
1. In an oven or like structure, a fuel supply line having an upwardly directed terminal, a burner engaged with said terminal and upwardly shiftable therefrom, and two upstanding lugs on the burner at points spaced from said terminal, said lugs having downwardly facing portions, burner-supporting means overlying said burner, said lug portions resting upon said supporting means and being slidable horizontally therefrom when horizontal shifting of the burner is permitted by disconnecting it from said fuel line terminal.

1,740,513. DRAPERY CORNICE. WALTER H. JURY, Sausalito, Calif. Filed July 21, 1928. Serial No. 294,371. 5 Claims. (Cl. 156-13.)



4. A drapery support for curved windows comprising a strip of sheet metal adapted to be curved to conform to the shape of the window, means to stiffen the edge of said strip, longitudinal and transverse loops formed in said strip, said transverse loops being in alignment to receive an additional stiffening strip, holes adjacent the edges of said strip, and holes in said longitudinal loops to receive hooks to support drapery.

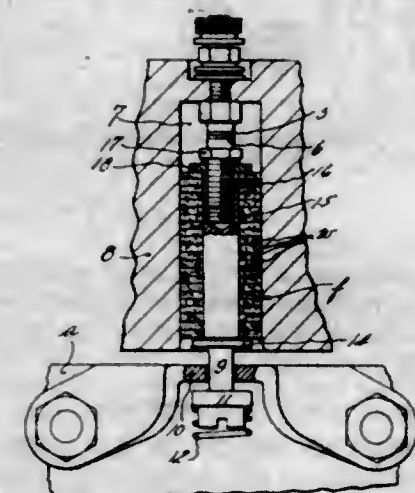
1,740,514. ASH RECEPTACLE. SAMUEL J. KIMBALL, Elgin, Ill., assignor, by mesne assignments, to Van Sicken Corporation, a Corporation of Delaware. Filed July 16, 1928. Serial No. 293,187. 8 Claims. (Cl. 206-19.5.)



1. An ash receptacle for mounting in the wall of a vehicle or the like comprising a shell open at one side

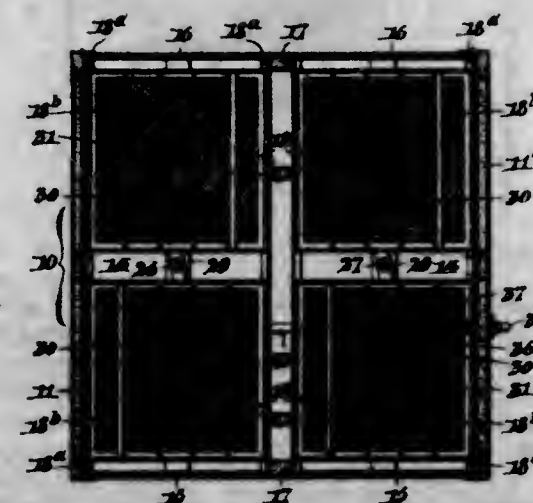
and apertured at the bottom, and a receiver movable first into the said shell through said open side and thereafter into said aperture, and means to support said receiver in said aperture for the reception of ashes or the like.

1,740,515. BREAKER-POINT MECHANISM. TERRENCE G. LOUIS, Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a Corporation of Massachusetts. Filed Sept. 12, 1927. Serial No. 219,116. 6 Claims. (Cl. 200-30.)



4. In breaker point mechanism, a reciprocable plunger for moving one of the breaker points and a guide with which said plunger is slidably engaged, said plunger including a central stem, a series of superimposed felt washers mounted on said stem, and means for forcing them together axially under pressure, said felt washers forming a cylindrical body the periphery of which is in bearing engagement with said guide.

1,740,516. EGG-TURNING MEANS FOR INCUBATORS. JOHN F. MACKAY, Lancaster, Pa. Original application filed Jan. 7, 1928, Serial No. 245,077. Divided and this application filed Nov. 3, 1928. Serial No. 316,923. 3 Claims. (Cl. 119-44.)

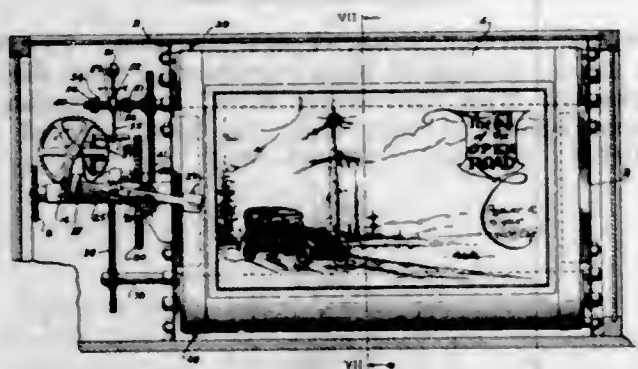


1. An incubator embodying an enclosure to house a multiplicity of vertically-spaced egg trays arranged in groups of stacks, a shiftable egg-turning bottom section in each tray, vertical shafts extending down between pairs of the tray stacks, and having arms reaching in opposite directions to the shiftable bottom sections on the trays of each pair of stacks, and means co-ordinating the several shafts for joint operation from the exterior of the incubator to simultaneously turn all the eggs in the trays.

1,740,517. AUTOMATIC DISPLAY MACHINE. EVERETT A. MARGESON, San Jose, Calif. Filed Feb. 29, 1928. Serial No. 257,805. 6 Claims. (Cl. 40-31.)

1. In a device of the character described a continuously driven drive shaft, a pair of reels, a web secured at oppo-

site ends to the respective reels, a drive mechanism interposed between the drive shaft and the reels, a clutch in the driving mechanism, means for connecting or discon-

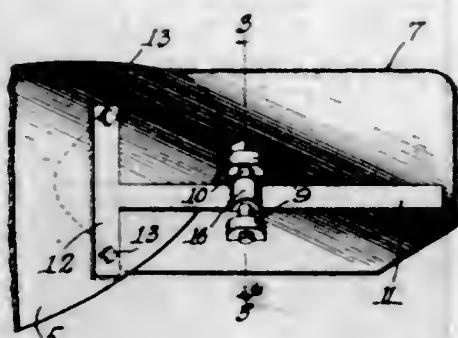


necting the clutch, a lever for actuating said means, means on the web for actuating the lever to disconnect the clutch, and means driven by the drive shaft for actuating the lever to connect the clutch.

1,740,518. ALKALINE STORAGE BATTERY. ERNEST B. MILLER, Baltimore, Md., assignor to The Silica Gel Corporation, Baltimore, Md., a Corporation of Maryland. Filed Aug. 4, 1928. Serial No. 297,554. 5 Claims. (Cl. 136-25.)

1. A plate for a storage battery including iron oxide gel as the active mass.

1,740,519. MOLDBOARD ATTACHMENT. LOUIS R. MILLER, Norwalk, Wis. Filed Feb. 5, 1929. Serial No. 337,671. 2 Claims. (Cl. 97-134.)



1. In combination with the mold board of a plow, an auxiliary mold board, spaced ears extending from the rear surface of the auxiliary mold board, said ears having openings, a bolt extended through the openings, a clamp including an arm positioned under the bolt and having one end thereof engaging the auxiliary mold board, a cross bar formed at the other end of the arm, and adjusting bolts extended through the cross bar and engaging the mold board of the plow to force the arm outwardly and set up a binding action between the mold boards and first mentioned bolt.

1,740,520. DISPLAY DEVICE. MICHAEL J. MURPHY, Chicago, Ill. Filed Sept. 18, 1928. Serial No. 306,657. 3 Claims. (Cl. 211-113.)

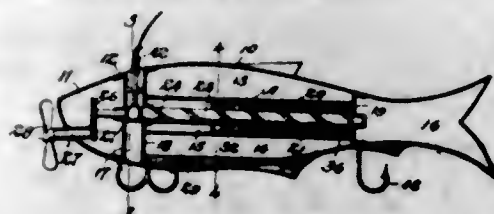
1. In a device for supporting banana bunches and the like, a cylindrical body portion, means for suspending said body portion from its upper end, the opposite end of said body portion being provided with a restricted opening, a supporting member having an attaching hook on its lower end, said member being slidably mounted in said opening, teeth on said support, each having a downwardly inclined upper surface and a lower surface substantially

normal to the axis of said support, a latch pivotally mounted between its ends on said body portion and engaging said teeth through an opening in the wall of said body portion, a cable attached to the free end of said



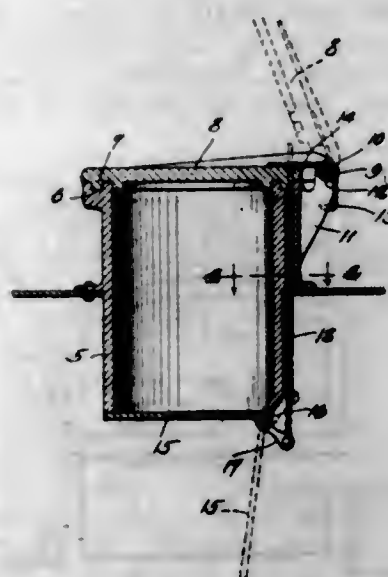
latch for releasing the same from said teeth for permitting the lowering of said supporting member, and means for preventing the disengagement of said member from said body portion when said latch is released.

1,740,521. ARTIFICIAL BAIT. GUSTAVUS EDWARD NELSON, Springfield, Ill. Filed Apr. 21, 1928. Serial No. 271,838. 8 Claims. (Cl. 43-43.)



3. An artificial bait comprising a hollow body, a member slidably and non-rotatably mounted in said body, a shaft rotatably mounted in the body, means between the shaft and member operable by sliding movement of said member in one direction to rotate the shaft and ineffective to rotate said shaft during sliding movement of the member in the opposite direction, a propeller exteriorly of the body, and connections between said propeller and shaft.

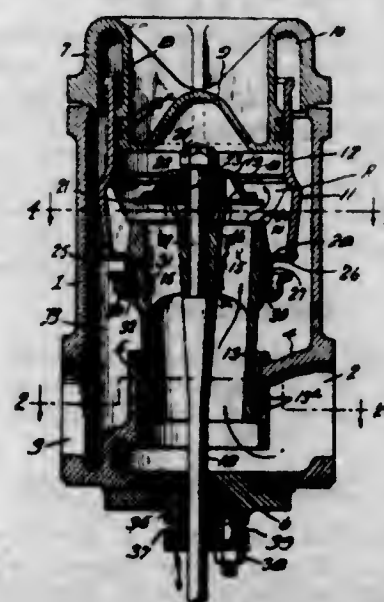
1,740,522. GASOLINE-TANK FILLER PIPE AND CLOSURE. LEON Q. PICKERING, Lake Mary, Fla. Filed Mar. 2, 1929. Serial No. 343,916. 1 Claim. (Cl. 220-29.)



A filler pipe for gasoline tanks, including a body portion to be fitted in the filling opening of a tank, a pivoted

closure eccentrically mounted at one end of the body portion and adapted to normally swing by gravity to its open position, a pivoted closure at the opposite end of the body portion, said body portion having a bore, a rod connected with the first mentioned pivoted closure and extending through the bore, the free end of the rod extending to a point above the upper end of the body portion, and said second mentioned closure adapted to engage the free end of the rod to move the first mentioned closure to its closed position.

1,740,523. PUMP. CLARENCE A. ROBERTS, Lakewood, Ohio. Filed July 18, 1927. Serial No. 206,504. Renewed May 22, 1929. 6 Claims. (Cl. 103-178.)



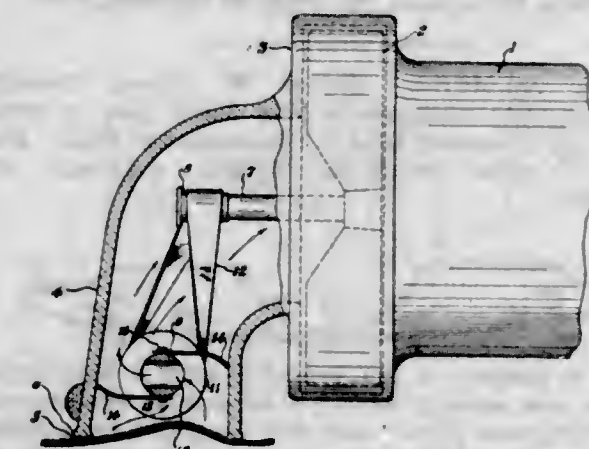
1. A pump of the character set forth comprising a casing having an ingress and an egress port opening respectively into the inlet and outlet sides of the casing and a passageway through which said sides of the casing communicate, the casing having also a reentrant portion spaced longitudinally of the casing from said passageway, a hollow pump body having a part slidably fitting within said passageway and another part similarly fitting about the said reentrant portion of the casing and constituting therewith a pumping chamber, valves permitting the flow of fluid from the inlet side of the casing through the first mentioned part of the body into the pumping chamber and the flow of fluid from said chamber into the outlet side of the casing, both valves preventing reverse flow, and means for reciprocating the body.

1,740,524. PIPE BEND. ALFRED SCHMIDT, Dusseldorf, Germany. Filed Apr. 10, 1924. Serial No. 705,658, and in Germany June 6, 1923. 1 Claim. (Cl. 137-75.)



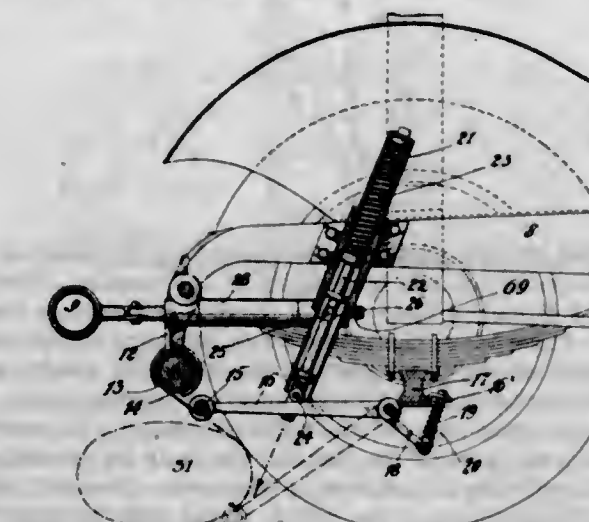
A bent thick walled steam pipe, capable of acting as an expansion-loop, having a smooth surface at the outside of the bend and outwardly extending bulges on the inner side, said bulges extending beyond the normal periphery of the pipe only outwardly and vanishing in the neighborhood of the neutral axis of the bend.

1,740,525. VACUUM CLEANER. FRANK TYSON, Canton, Ohio, assignor of one-half to Lawrence G. Fritz, Canton, Ohio. Filed Aug. 4, 1927. Serial No. 210,563. 3 Claims. (Cl. 15-13.)



1. A vacuum cleaner including suction means, a cleaning nozzle and a rotary vibrator within the nozzle, said vibrator being open transversely through its center and provided with a pair of oppositely extending, flexible vanes arranged to intermittently and simultaneously contact with opposite sides of the nozzle, and means for rotating said vibrator for causing the induced air current in the nozzle to alternately pass through the rotary vibrator, and through and around the rotary vibrator.

1,740,526. SAFETY FENDER FOR MOTOR CARS. JOHN R. VALLÉ, New York, N. Y. Filed June 22, 1929. Serial No. 373,003. 6 Claims. (Cl. 293-37.)



1. A safety fender for motor cars comprising a rearwardly movable bumper projecting ahead of the car, a frame on the car frame carrying an apron adapted to be projected to pick up the obstacle, means to project the apron frame instantly and positively, a locking device to hold the apron frame retracted, and means whereby the retraction of the bumper on striking the obstacle releases the locking device and causes the apron frame to be projected by its motor to pick up the obstacle.

1,740,527. BUMPER. GEORGE W. VEALE, Cleveland Heights, Ohio, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 22, 1927. Serial No. 214,535. 2 Claims. (Cl. 293-55.)



1. In a bumper, a pair of impact bars spaced apart vertically, each of said bars having a plurality of longitudinal grooves in the outer surface thereof, a decorative wire mounted in each said groove, said wires being of a

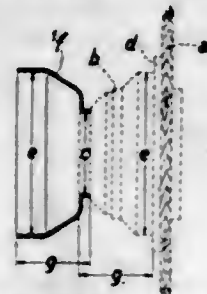
cross section different from that of the grooves, clamping means for holding said wires in said grooves, said means comprising a plate overlying the outer surfaces of the two bars, said plate being formed to engage said wires substantially throughout the width of the same.

1,740,528. BUMPER. GEORGE W. VEALE, Cleveland Heights, Ohio, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 30, 1929. Serial No. 351,385. 4 Claims. (Cl. 293-55.)



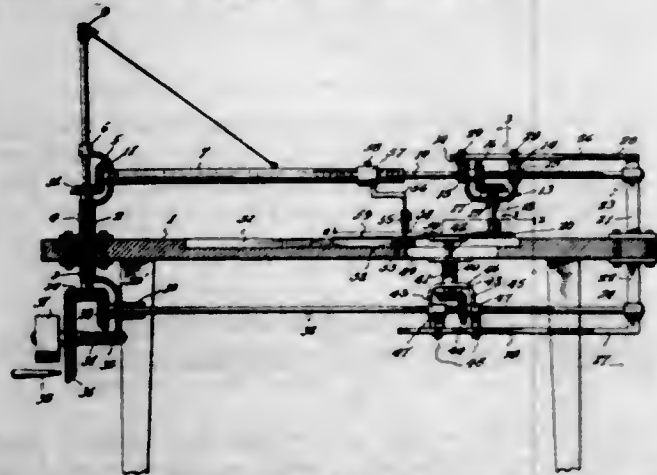
1. In a bumper, a bar provided with a longitudinal groove in one surface thereof, a decorative wire mounted in and filling said groove, said wire being of a cross-section larger than that of the groove, a clamp plate overlying the grooved surface of the bar, said plate having a groove therein adapted to receive that portion of the wire which projects beyond the surface of the bar and hold it in said bar groove, and means exterior to said bar for holding said clamp plate in operative position.

1,740,529. SUNSHADE FOR PHOTOGRAPHIC OBJECTIVES. ERNST WANDERLICH and HUGO KUNZE, Jena, Germany, assignor to Firm of Carl Zeiss, Jena, Germany. Filed Oct. 19, 1927. Serial No. 227,329, and in Germany Oct. 23, 1926. 2 Claims. (Cl. 88-1.)



1. Sunshade for photographic objectives, the mounts of which project from the lens panel of the camera, consisting of a bell-shaped body with a narrow and a large aperture, the diameter of the said narrow aperture corresponding to that of the front part of the objective mount and the diameter of the said large aperture corresponding to that of the rear part of the objective mount, projecting from the lens panel of the camera, the body being adapted to be slipped with the narrow aperture over the front part of the objective mount, the length of the body corresponding to the length of the part of the objective mount, projecting from the lens panel of the camera.

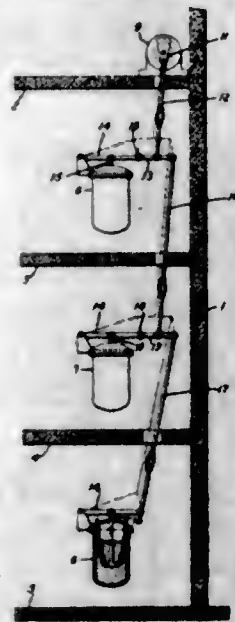
1,740,530. MACHINE FOR CUTTING GASKETS. VIRGIL WAIGHT, Dallas, Tex., assignor of one-third to Agnes High, Dallas, Tex. Filed Aug. 23, 1928. Serial No. 301,625. 5 Claims. (Cl. 164-71.)



1. A device of the class described, comprising a table, shafts disposed above and below the table, a frame sup-

ported by each shaft, cutting disks rotatably supported by each frame, means for adjusting the frames longitudinally upon the shafts, and means for simultaneously rotating the shafts to rotate the cutting disks.

1,740,531. CIRCUIT-BREAKER SYSTEM. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,261. 9 Claims. (Cl. 200-150.)



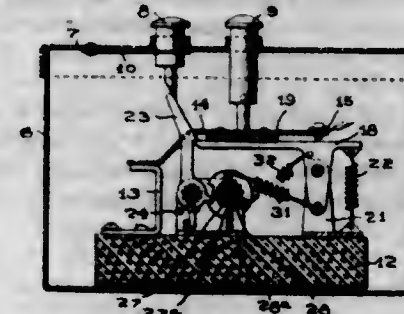
1. In an electrical apparatus, a plurality of circuit interrupters, each of said circuit interrupters comprising a movable contact member, means for simultaneously operating said circuit interrupters, said operating means comprising a system of differentially associated levers for effecting the operation of the circuit interrupters in sequence when abnormal conditions are present.

1,740,532. SUBMARINE RESCUE APPARATUS. JOHN P. AYER, Portland, Me. Filed Mar. 2, 1928. Serial No. 258,511. 5 Claims. (Cl. 114-16.6.)



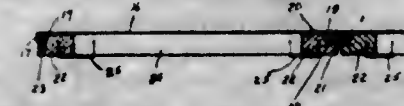
1. Submarine rescue apparatus comprising, the combination with a submarine hull having an escape hatch, of a pipe adapted to be seated thereover in water tight engagement from the exterior, an elbow on the outer end of said pipe, a flexible escape conduit attached to said elbow, and externally operated pneumatic means for evacuating water from said pipe, elbow and conduit whereby to permit escape of the submarine crew therethrough.

1,740,533. ELECTRIC SWITCH. HAROLD G. BAXTER, Baldwin, and FRED VON HOORN, Brooklyn, N. Y., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,886. 14 Claims. (Cl. 200-124.)



8. The combination with a movable switch member normally biased toward open position, of a latch for holding it closed, a fusible element, a tensioned member normally held by the fusible element, a resistance member in the circuit controlled by the switch to effect heating of the fusible element, means for tripping the latch upon release of the said tensioned member, and means for returning the said member to set position after the latch has been tripped.

1,740,534. SECTIONAL SIGN OR POSTER BOARD. WILLIAM REX BELL, Terre Haute, Ind. Filed Apr. 22, 1927. Serial No. 185,688. 4 Claims. (Cl. 40-125.)



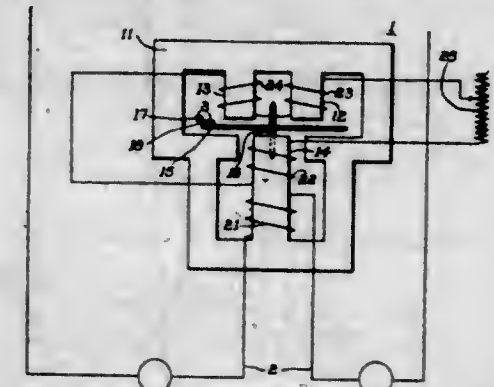
1. A sectional board construction comprising a frame, a plurality of similar sections each including a section framework having a pair of channel grooved side rails, the channel edges of said rails being turned outwardly, and a sheet extending across said frame and having ends extending in said grooves for sheet anchorage, said sections being arranged to form a substantially flat and flush continuous top-receiving surface, one of said end portions extending beyond one of the grooves and into a groove of the adjacent section and interlockingly mating to form a water-tight joint, said seatings constituting the sole source of anchorage for the edges of the sheet.

1,740,535. ELECTRIC SWITCH. CARL BRAMMING, Marlon, Ind., assignor to Delta Electric Company, Marlon, Ind., a Corporation. Filed Mar. 1, 1928. Serial No. 258,271. 4 Claims. (Cl. 200-16.)



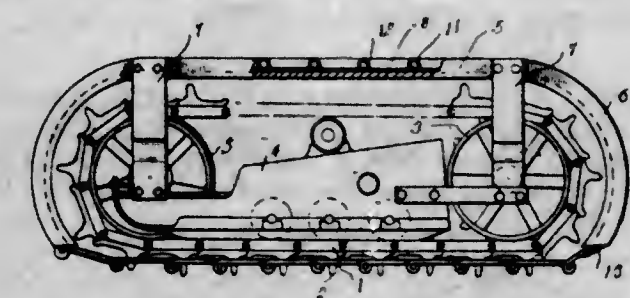
1. A switch of the character described, comprising a housing, a plurality of contact members mounted thereon, spring contactors adapted to engage and make contact therewith, a carriage for supporting said spring contactors, said carriage having an opening therein, a support upon which said carriage is adapted to slide having a recess therein and a ball bearing adapted to ride within the opening of said carriage in position to register with the recess in said support for resiliently holding said carriage in predetermined position under the spring tension of said spring contactors.

1,740,536. ELECTRICAL PROTECTIVE DEVICE. JOHN V. BREISKY, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 1, 1924. Serial No. 690,015. 3 Claims. (Cl. 175-294.)



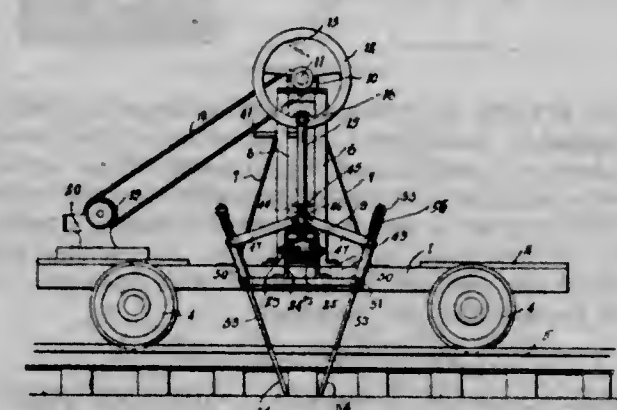
1. An induction relay comprising a disc armature, a core member having an air gap for the reception of said disc armature, exciting and adjusting windings on said core member, a variable resistance in series with said adjusting winding for varying the current therein to vary the value of current in the exciting winding required to actuate the armature, said air gap being of such magnitude that variations in the current in said adjusting winding effect substantially no change in the voltage across said exciting winding.

1,740,537. TREAD CLEARER. EDWARD O. CARVIN, Sierra City, Calif. Filed Sept. 10, 1928. Serial No. 305,091. 1 Claim. (Cl. 305-9.)



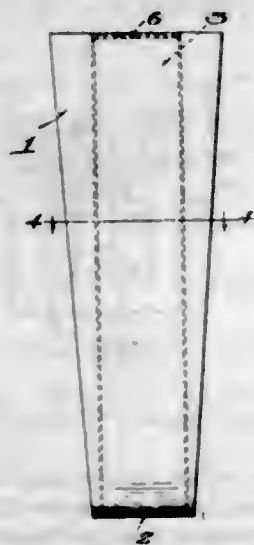
A clearing attachment for endless chain tread members comprising an endless chain of pivotally connected links, each link having a transverse slot to receive a traction cleat on the endless tread, and a channeled guiding frame supporting said clearer chain and having arcuate downturned terminals spaced radially outward from the end portions of the tread.

1,740,538. TAMPING MACHINE. PETER F. CONNELLY, Spokane, Wash. Filed Nov. 7, 1928. Serial No. 317,763. 9 Claims. (Cl. 104-12.)



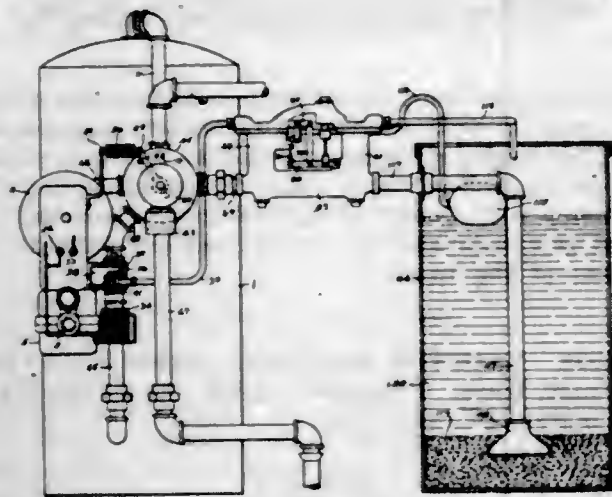
1. In a tamping machine, the combination of a tamper beam, a plurality of tampers carried by the beam, means for vertically reciprocating the tamper beam, and means for adjusting the tampers to perform work at different points between the ends of the beam.

1,740,539. ICE-CREAM-DISPENSING CONTAINER. HAROLD E. DUNN, Sioux Falls, S. Dak. Filed Jan. 17, 1928. Serial No. 247,410. 1 Claim. (Cl. 206-56.)



An ice cream dispensing container composed of a pair of opposed pressure members having their lower ends connected and their upper ends free, and an ice cream holder composed of a tubular paper or the like member secured to and between said members, the upper end of the member extending above the upper end of the pressure members and being foldable to overlie the ice cream and to provide a protecting cover for the ice cream until the latter is to be dispensed, said pressure members being formed of material of such rigidity so as to expel the ice cream upon pressure being exerted on the members to cause same to approach one another.

1,740,540. WATER-SOFTENING APPARATUS. CHARLES P. EISENHARTER, Dayton, Ohio, assignor to The Duro Company, Dayton, Ohio, a Corporation of Ohio. Filed Aug. 28, 1926. Serial No. 131,783. 8 Claims. (Cl. 210-24.)

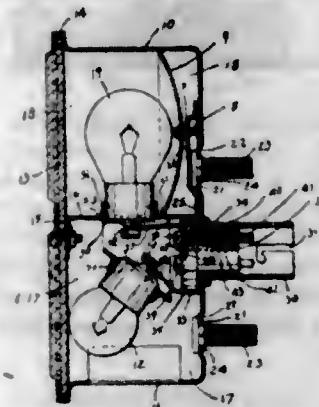


1. In a water softening apparatus, means actuated by the incoming hard water, an electrical circuit, contact mechanism for making and breaking the circuit actuated by said means, a rotor valve for positioning the softener in softening position and regenerating position, a motor in said circuit to operate said rotor valve, and yielding means to reverse the position of the rotor valve upon the cessation of the operation of the motor.

1,740,541. MULTIPLE SIGNAL LIGHT AND UNIT ASSEMBLY. HARRY C. FOSTER, Connersville, Ind., assignor to Indiana Lamp Corporation, Connersville, Ind., a Corporation. Filed May 7, 1927. Serial No. 189,539. 5 Claims. (Cl. 177-329.)

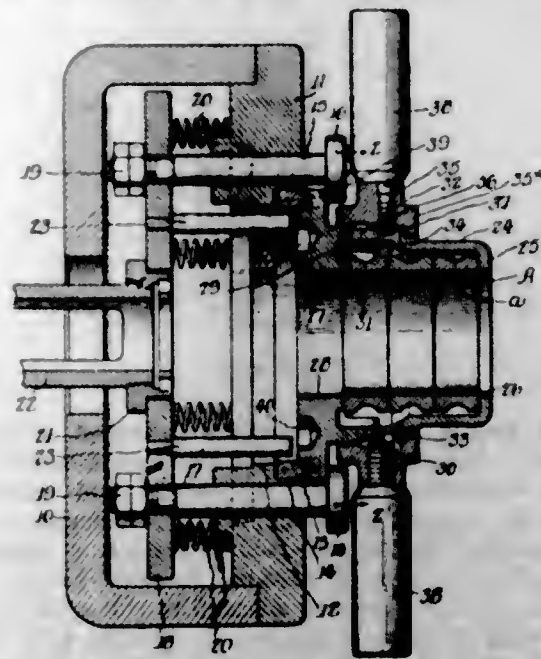
1. In a light construction, including a casing, and a partition forming two compartments therein, the combination

of an insulation plug, a pair of terminal conducting contacts insulatably supported thereby, a pair of angularly arranged bulb receiving sockets supported adjacent thereto and in angular relation to said contacts, one socket being transverse to the plug axis, said sockets positioning a bulb in each compartment, and a pair of terminal spring contacts connected to said first-mentioned contacts, one of the second-mentioned contacts being L-shaped with one arm projecting outwardly in longitudinal alignment with the insulation plug and the other contact being V-shaped and extending angularly thereof and of the longitudinal contact, the free end of the V-shaped contact extending toward the free end of the L-shaped contact.



4. A device as defined by claim 1, characterized by the addition of an insulation plug carried by the casing, a pair of terminal conducting contacts insulatably supported thereby, said light bulb receiving anchorages being arranged in angular relation thereto, one being transverse to the plug axis, a pair of terminal spring contacts connected to said first mentioned contacts, one of the second mentioned contacts being L-shaped and projecting outwardly in longitudinal alignment with the insulation plug and parallel to the partition and the other being V-shaped and extending angularly of the plug and of the longitudinal contact and in parallel relation to the saddle inclined portion, the free end of the V-shaped contact extending toward the free end of the L-shaped contact, and cooperating portions on the insulation body and partition and on the partition and saddle portion for predetermined positioning of the body, partition and saddle portion and for anchoring the same together.

1,740,542. WORK HOLDER. KEITH F. GALLIMORE and RAYMOND M. WOYTCH, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 23, 1927. Serial No. 200,798. 3 Claims. (Cl. 279-1.)



1. A workholder having, in combination, a plate adapted to have one or more work blanks mounted end to end

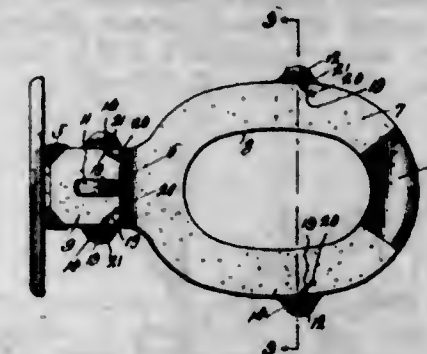
thereon, a body adapted to fit over said work blanks and against said plate, a radial flange formed on the outer end of said body and adapted to press the work blanks against said plate, intermeshing teeth on said plate and said body adapted to prevent relative rotation therebetween, and a clamping nut loosely rotatable but non-slidable on said body and having threaded engagement with said plate.

1,740,543. DISINFECTANT, ANTISEPTIC, AND MEDICAMENT. OTTO GERNGROSS, Berlin-Grünwald, and KURT ROLKE, Charlottenburg, Germany, assignors, by mesne assignments, to Kali-Chemie A. G., Berlin, Germany. Original application filed Jan. 2, 1925, Serial No. 274, and in Germany Jan. 28, 1924. Divided and this application filed June 26, 1926. Serial No. 118,843. 3 Claims. (Cl. 167-14.)

1. A disinfectant antiseptic and medicament comprising the combination of a silver salt having a disinfecting action, and a light metal thiocyanogen compound.

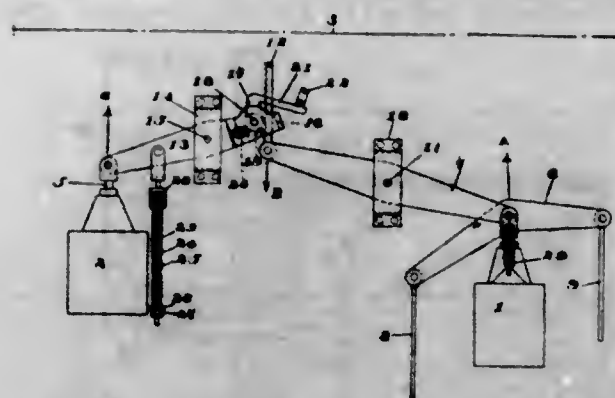
3. A disinfectant antiseptic and medicament comprising the combination of silver potassium cyanide and alkali thiocyanate.

1,740,544. SANITARY ATTACHMENT FOR TOILET SEATS. OTTO RICHARD KUEHNE, Redlands, Calif. Filed Aug. 7, 1928. Serial No. 298,022. 8 Claims. (Cl. 4-245.)



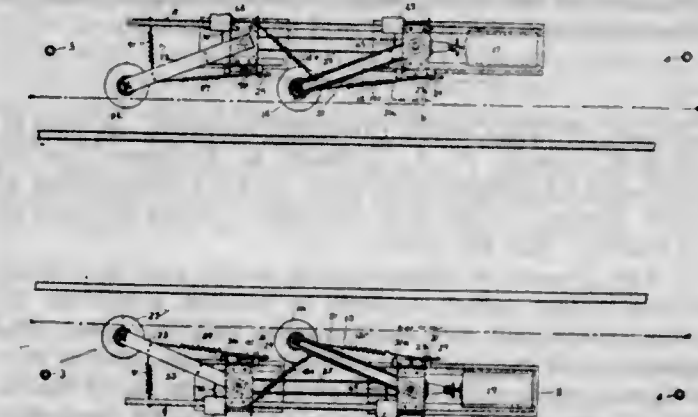
1. In an attachment of the class described, for toilet seats, a backing sheet for disposal upon and attachment to the seat, an assemblage of superposed protective sheets disposed in mutual registration with one another upon the backing sheet, uprights upon the backing sheet marginally engaging the protective sheets and maintaining the same in registration and against relative displacement, and resilient retaining means upon said uprights bearing yieldably upon the uppermost sheet of the assemblage of protective sheets.

1,740,545. EMPTY AND LOAD BRAKE. BENJAMIN F. KURTZ, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 4, 1926. Serial No. 133,574. 13 Claims. (Cl. 303-23.)



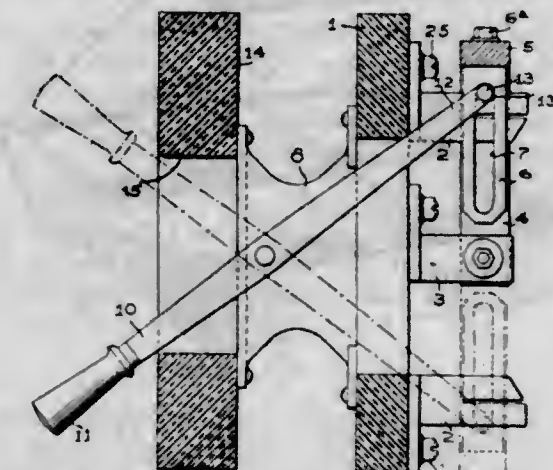
1. In an empty and load brake comprising an empty and a load cylinder, piston rods for said cylinders, a lever connected with one of said piston rods, a lever connected with the other of said piston rods, and toothed means for operatively connecting said levers only when a load application of the brake is being made.

1,740,546. CLEANING DEVICE FOR RAILWAY CARS. AUGUST H. LESCHKE, Pittsburgh, Pa. Filed June 24, 1927. Serial No. 201,071. 14 Claims. (Cl. 15-53.)



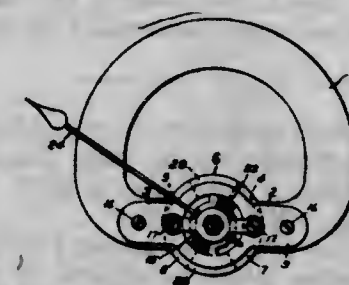
1. In car cleaning apparatus the combination of revolvably mounted brushes arranged to project into the path of movement of a car and be deflected on contact therewith, an electric motor, actuating connections from the motor to said brushes for rotating the latter, electrical connections to the motor, and means operated by deflection of the brushes upon contact of the car with said brushes to complete the electrical connections to the motor for energizing the same.

1,740,547. KNIFE-BLADE SWITCH. CYRIL COCHRANE LEVY, Pittsburgh, and CARL KRAIG, Wilkensburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 17, 1921. Serial No. 523,107. 11 Claims. (Cl. 200-15.)



1. The combination with a switch panel, of a base adapted to be secured thereto and having a plurality of stationary and rotatable contact members mounted thereon, a mounting bracket for securing said base to the panel, an operating lever extending through the panel and pivotally supported by the bracket, and a sliding connection between said lever and one of said contact members to impart a rocker movement thereto.

1,740,548. ELECTRICAL MEASURING INSTRUMENT. PAUL MACGAHAN, Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 11, 1928. Serial No. 291,874. 7 Claims. (Cl. 175-21.)



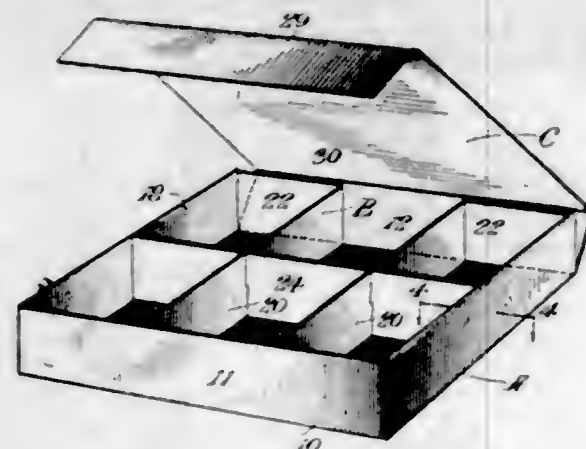
1. In an electrical instrument, a magnet structure comprising a substantially annular magnet having opposed

pole portions, said pole portions having curved surfaces, a hollow cylindrical member proportioned to be received between the curved surfaces of said pole portions, said cylindrical member embodying means constituting pole faces for cooperation with the ends of said pole portions.

1,740,549. NITRIC-ACID CONCENTRATION. RALPH H. McKEE, Leonia, N. J., assignor to Southern Electro-Chemical Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 22, 1925. Serial No. 51,747. 3 Claims. (Cl. 23-161.)

1. The process of concentrating nitric acid containing organic matter, which consists in passing a mixture including the nitric acid and organic matter, water, and sulphuric acid counter to a current of steam, over a relatively long path, with conditions of temperature of the inflowing acids and the outflowing or exit gases, such that said gases are discharged at a temperature between about 105° F. and 175° F.

1,740,550. CONTAINER OR CARTON. MARCEL M. MICHELIN, Staten Island, N. Y., assignor to Pinaud Incorporated, New York, N. Y., a Corporation of New York. Filed July 6, 1927. Serial No. 203,749. 5 Claims. (Cl. 229-27.)

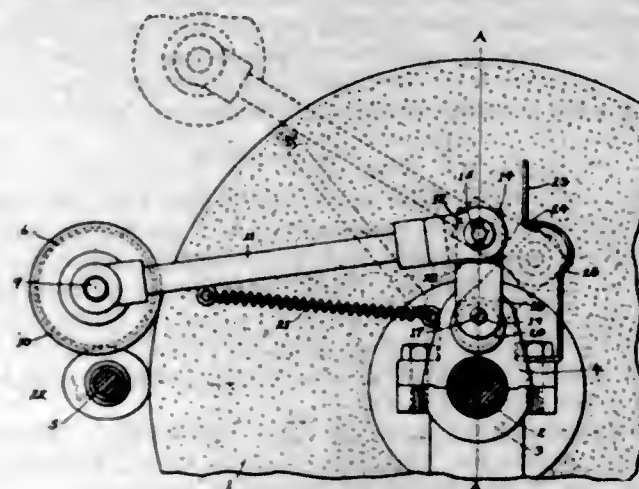


1. A box of the kind described formed from a blank having a flat bottom and front, end and back walls folded up from the bottom, extensions on the ends of the front wall and foldable against the inner faces of the end walls, flaps extending from the end walls and foldable inward and downward over the first said extensions, and extensions on the rear ends of the end walls foldable toward each other to engage inner portions adjacent to the ends of the back wall and forwardly to provide spaced partitions in the box, said partitions each having a slit extending downwardly from its upper edge, and a separate partitions strip having upwardly extending slits whereby said strip may be engaged with said forwardly extending partitions to lock them in position and provide a longitudinal partition with its ends engaging the flaps on the end walls, thereby interlocking the various parts in the box and maintaining it assembled for use.

1,740,551. LENS-BEVELING ATTACHMENT FOR LENS-EDGE GRINDING MACHINES. ERDIS G. ROBINSON, Columbus, Ohio. Filed May 9, 1925. Serial No. 29,254. 8 Claims. (Cl. 51-106.)

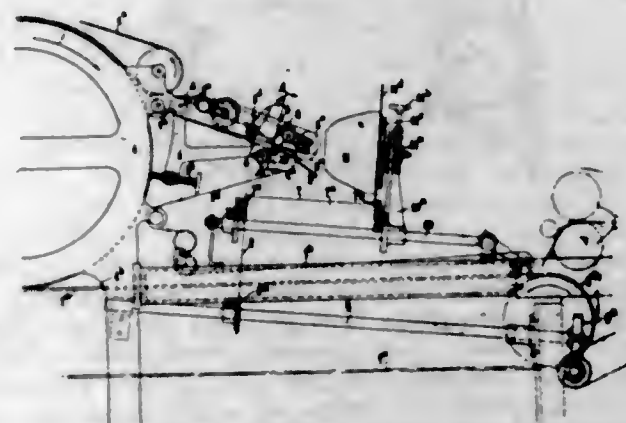
1. The combination of a bevel grinding device with an edge grinding machine which is adapted to grind a flat edge on a lens substantially at right angles to an axis through the center thereof, means attached to the edge

grinding machine for holding the bevel grinding device in operation on the lens while it is being ground in the



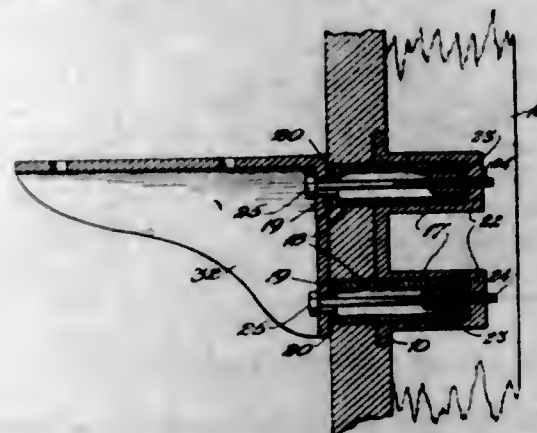
edging machine and means for holding the bevel grinding device out of operating engagement with the lens during the edge grinding operation when desired.

1,740,552. DELIVERY DEVICE. PERCY GOTCH ROBINSON, TOM SARGENT, and GORDON WILLIAM FRENCH, Whitehall, Bristol, England, assignors to Strachan & Henshaw, Limited, Whitehall, Bristol, England. Filed June 1, 1927. Serial No. 195,814. and in Great Britain June 8, 1926. 19 Claims. (Cl. 271-86.)



1. A device of the kind described for delivering bags and the like from a bag forming device comprising a bowl-shaped deflector adapted to receive the bags as delivered and in combination with a conveyor, onto which the bags are deflected.

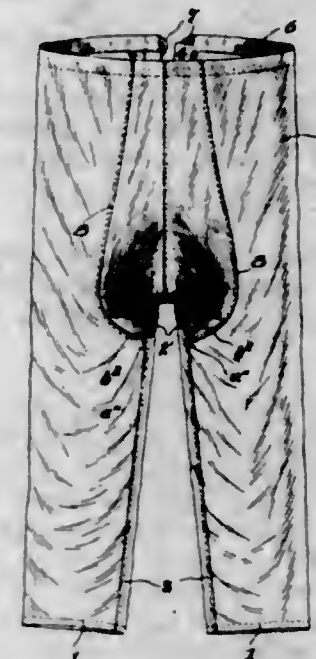
1,740,553. PLUMBING FIXTURE. VICTOR E. SCHMIEDKNECHT, Louisville, Ky. Filed Aug. 1, 1927. Serial No. 209,771. 4 Claims. (Cl. 248-30.)



1. In an article supporting device, a pair of threaded members each adapted to be secured to a fixed object and each having a threaded opening, sleeves each having adjustable screw engagement with a respective member

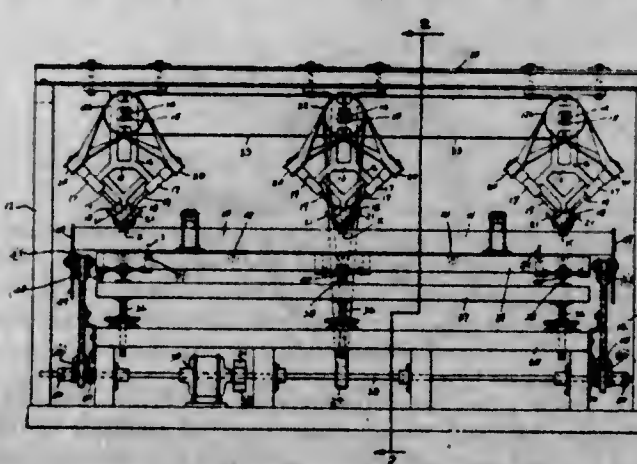
and projecting forwardly from said members, the sleeve and tubular member constituting means whereby the extent of projection of the sleeve may be adjusted for varying thicknesses of walls, and bolts each passing into a respective sleeve and engaging the threaded opening of the respective member, and means to secure the members in adjustably spaced relation.

1,740,554. PAJAMA PANTS. CHARLES F. TRAEGER, Baltimore, Md., assignor to Stadium Underwear Company, Inc., Baltimore, Md., a Corporation of Maryland. Filed Dec. 1, 1927. Serial No. 237,062. 2 Claims. (Cl. 2-224.)



1. Pajama pants and the like, of substantially non-elastic fabric including a substantially non-elastic fabric combined back and seat blank extending downwardly centrally of the back and seat and forwardly and upwardly at the crotch, said blank having a concaved transverse end united to the front edge portions of the garment body by a seam extending across the crotch in continuation of the inner leg seams and downwardly diverging approximately convexed opposite longitudinal edges united to the longitudinal edges of the back of the garment body by permanent seams extending to said inner leg seams to form the garment with a closed back and seat and the lower portion of its body and seat of extreme fullness by reason of the excessive width of the portion of said blank in the lower part of the body.

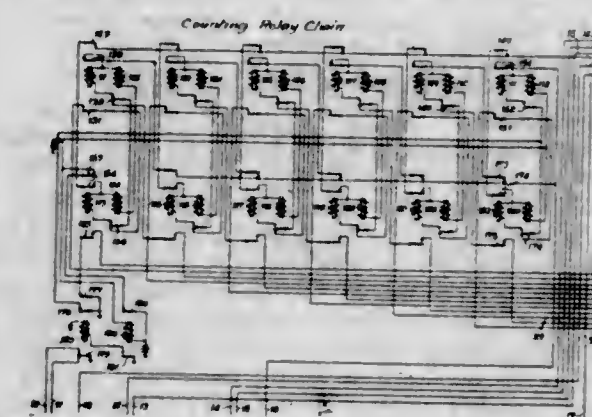
1,740,555. KERFING SAW. GEORGE W. WARMOTH, Indianapolis, Ind., assignor to Columbus Crosscutting Company, Columbus, Ind., a Corporation. Filed Feb. 7, 1927. Serial No. 166,383. 2 Claims. (Cl. 144-133.)



1. A saw unit including a hanger, a drive shaft rotatably supported thereby, a pair of driving wheels thereon, a

diamond shaped extension depending from said hanger by one corner, a shaft bearing at each of the adjacent corners, a pair of shaft bearings at the lower corner, a pair of each of said bearings being in alignment and lying in substantially parallel planes and substantially transverse to the shaft axis, a shaft at each pair of aligned bearings and projecting beyond the same, a driven wheel at the upper end of each of said last mentioned shafts, means connecting said wheels for simultaneous and opposite driving of said last mentioned shafts, and a disk type saw carried by the lower ends of each of said last mentioned shafts, the planes of said saws intersecting for the purpose described.

1,740,556. SUPERVISORY CONTROL SYSTEM. THOMAS U. WHITE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 6, 1924. Serial No. 718,339. 9 Claims. (Cl. 177-853.)



3. In a signalling system, a first station, a second station, relay chains at each of said stations, a signalling line connecting said stations, a source of alternating current at said first station, a source of alternating current of a frequency different from that of said first-mentioned source at said second station, means for sequentially associating said sources of alternating currents with said signalling line, said means being controlled by said relay chains, and means responsive to said sequential connection of said sources of alternating currents for operating said relay chains in synchronism.

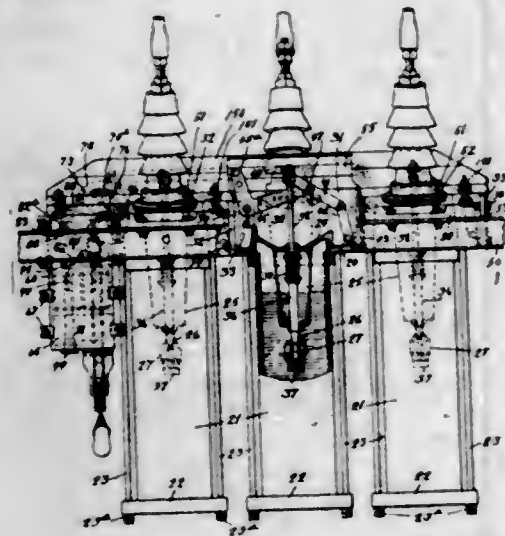
1,740,557. TOOTHED IMPLEMENT. DANIEL H. YOUNG, Manchester, Iowa. Filed July 19, 1927. Serial No. 206,931. 8 Claims. (Cl. 55-10.)



1. In an implement of the character described, a handle, a cross member medially secured thereon and having lon-

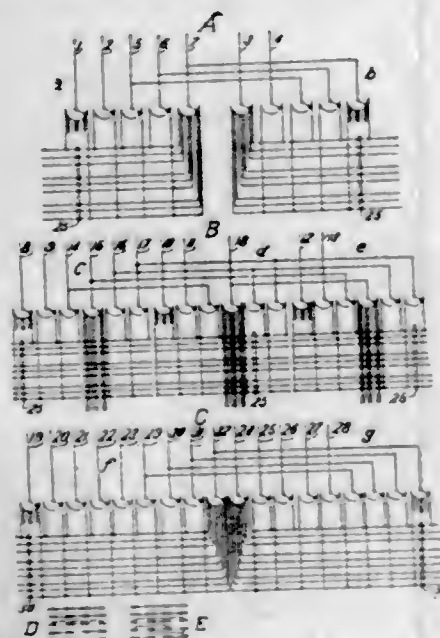
itudinal flanges on opposite faces, spaced elastic lines terminally removably connected to one flange to project forwardly, engaging devices connected to the other flange, and an elongated locking element slidably engaged between said engaging devices the other flange, and said lines, to lock said element releasably and slidably therewith to retain itself and said lines removably in interlocked positions.

1,740,558. ELECTRIC SWITCH. CHESTER D. AINSWORTH, Wollaston, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1923. Serial No. 629,252. 19 Claims. (Cl. 200—150.)



1. Electric switching apparatus comprising the combination of a plurality of switch casings having transversely disposed mechanism containing compartments, said casings being arranged in line and in abutting relation with each other and secured in such relation whereby to connect all mechanism-containing compartments, switch mechanism contained in the mechanism compartment of each casing, and means extended through said compartments and operatively connected with said mechanisms, whereby to operate all mechanisms conjointly.

1,740,559. GRADED FINDER SYSTEM. WILLIAM AITKEN, London, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 21, 1925. Serial No. 31,808, and in Great Britain Aug. 21, 1924. Renewed Sept. 29, 1928. 22 Claims. (Cl. 179—18.)



1. In a trunking system of a telephone system, a group of line finder switches divided into sub-groups, subscriber

controlled numerical switches for extending connections, a certain number of said last switches being allotted individually to a corresponding number of finder switches comprising one sub-group, and another number of said switches each of which is connected in common relation with a plurality of finder switches of another sub-group.

1,740,560. METAL OAR. PHILLIP R. ANDREWS, Seattle, Wash. Filed Apr. 14, 1928. Serial No. 270,060. 13 Claims. (Cl. 9—24.)



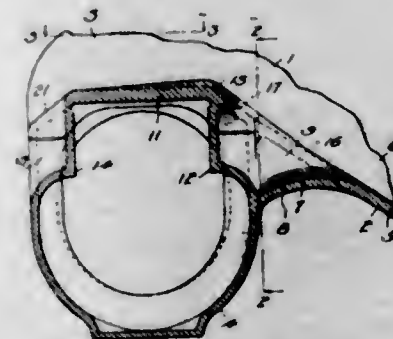
11. An oar including blade and loom of one integral piece of metal tubing.
13. The process of making oars from metal tubing which includes the step of spreading and flattening the end of the tubing to form a hollow blade at one end thereof.

1,740,561. COACHING AND AIMING APPARATUS FOR FIREARMS. ROBERT M. BAIR, Hummelstown, Pa. Filed May 4, 1928. Serial No. 275,135. 2 Claims. (Cl. 42—94.)



1. A coaching and aiming apparatus of the class described comprising a stand including a base, vertical posts rising from the base, a connecting member connected with the upper end of said posts, and extending beyond said posts, the extended portions being formed into loop-like guides, a pair of duplicate gun supporting devices, each comprising a vertically disposed rod mounted in said loop-like guides for vertical adjustment and for turning movement about a vertical axis, each rod being provided at its upper end with a yoke, and a pistol clamping block mounted on a horizontal fulcrum in said yoke.

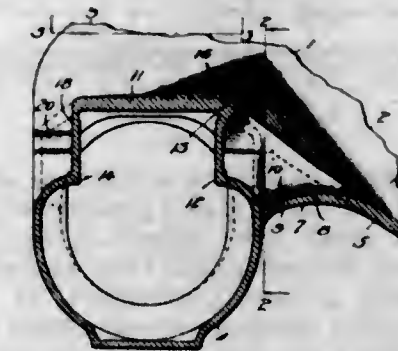
1,740,562. SIDE FRAME. DONALD S. BARROWS, Rochester, N. Y., and BYERS W. KADEL, Baltimore, Md., assignors to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Feb. 14, 1929. Serial No. 339,066. 7 Claims. (Cl. 105—205.)



1. A truck side frame comprising a tension member, a compression member, said members united together at their ends, a journal box with brass lugs integrally united to each end of the frame, said tension member being channel shape in cross section with the web of the channel sloping generally in the direction of the upper inner corner of the adjacent

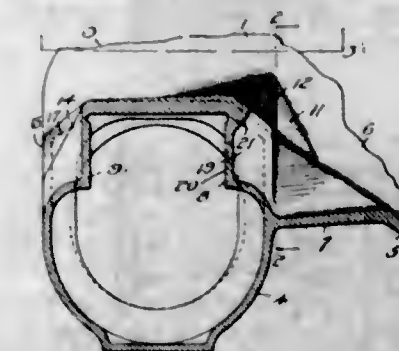
cent brass lug, the connection between said tension member and journal box being rigidified by a hollow curved bracket formed as a downward convolution of the web of the tension member, said connection being further reinforced by gussets extending laterally beyond the flanges of the tension member and joining with the roof of the box.

1,740,563. SIDE FRAME. DONALD S. BARROWS, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Feb. 23, 1929. Serial No. 342,252. 9 Claims. (Cl. 105—205.)



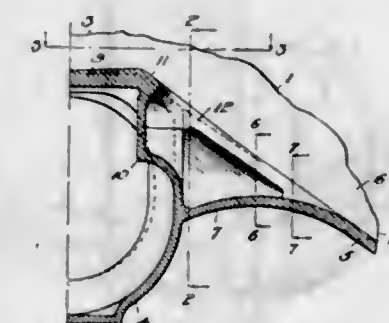
1. A truck side frame comprising a tension member, a compression member, said members united together at their ends, a journal box with brass lugs integrally united to each end of the frame, said tension member being channel shape in cross section with the web of the channel sloping generally in the direction of the upper inner corner of the adjacent brass lug, the connection between said tension member and journal box being rigidified by a hollow curved bracket formed as a downward convolution of the web of the tension member, said connection being further reinforced by the remaining portions of the tension member web being flared outwardly to unite with the corners of the journal boxes, the flanges of said tension member being flared downwardly and outwardly to the outer edges of said flared web portions.

1,740,564. SIDE FRAME. DONALD S. BARROWS, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Feb. 27, 1929. Serial No. 343,066. 8 Claims. (Cl. 105—205.)



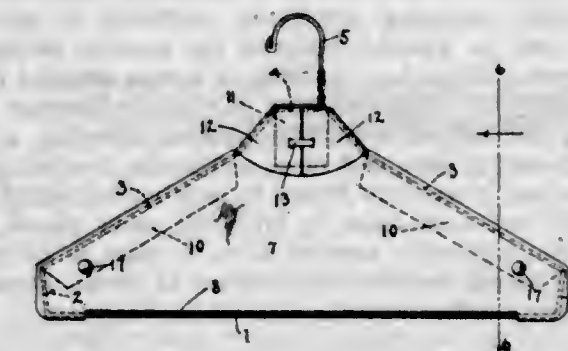
1. A truck side frame comprising a tension member, a compression member, said members united together at their ends, a journal box integrally united to each end of the frame, said tension member being channel shape in cross section with the web of the channel sloping generally in the direction of the upper inner corner of the adjacent brass lug, the connection between said tension member and box being rigidified by widening the web of said member and downwardly convoluting it for the full width and extending it to join with the adjacent side wall of the box, the flanges of said tension member being flared downwardly and outwardly to the outer edges of said widened web portion.

1,740,565. SIDE FRAME. DONALD S. BARROWS, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Mar. 5, 1929. Serial No. 344,451. 7 Claims. (Cl. 105—205.)



1. A truck side frame comprising a tension member, a compression member, said members united together at their ends, a journal box with brass lugs integrally united to each end of the frame, said tension member being channel shape in cross section with the web of the channel sloping generally in the direction of the upper inner corner of the adjacent brass lug, the connection between said tension member and box being rigidified by widening the web of said member and downwardly convoluting it to the full width thereof at said widened portion and extending it to join with the adjacent side wall of the box, the flanges of said tension member being maintained the normal distance apart to the normal plane of said web where they are joined to the convoluted portion of said web by connecting webs disposed in the normal plane of the web of said member and meeting the webs inwardly of the junctions with the convoluted widened portion thereof.

1,740,566. GARMENT HANGER. WALTER H. BATTS, Grand Rapids, Mich. Filed Nov. 18, 1926. Serial No. 149,053. 9 Claims. (Cl. 223—62.)

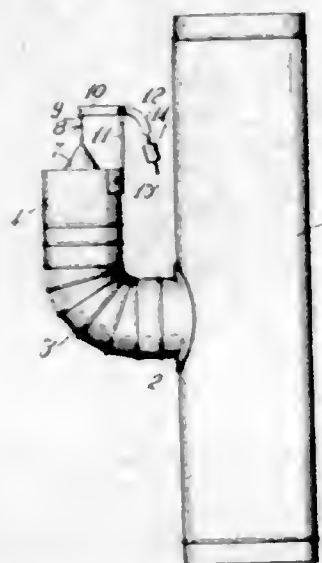


1. A garment hanger comprising a wire frame having diverging shoulder members and a horizontal bottom member and a cardboard covering folded over said garment hanger and having an elongated slot to expose the greater portion of the length of said horizontal lower member of the wire frame.

1,740,567. DRAFT REGULATOR FOR HEATING PLANTS. MATHIAS B. BECKER, Chicago, Ill. Filed Feb. 16, 1928. Serial No. 254,667. 1 Claim. (Cl. 236—45.)

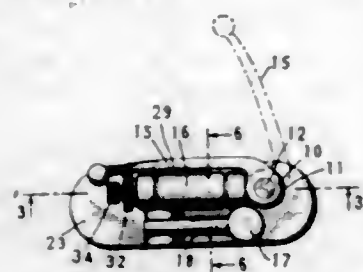
A draft regulating attachment for the chimney flue of a stove or the like comprising a flue pipe section equipped at one side with an elbow having a vertically disposed arm open at its upper end, a cap for said open end and provided with a central opening in its head, a supporting standard mounted on said cap, a lever pivotally mounted between its ends on said standard, one end portion of said lever being threaded and extending angularly downwardly relatively to the other end portion thereof, a counter-weight adjustably mounted on said threaded end portion of said lever, a conical valve provided at its lower end with an

annular flange of larger diameter than the central opening in the cap and seating on the under face of the head of the latter around said opening with its conical portion



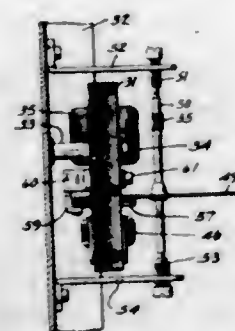
projecting upwardly through the latter, and a stem on said valve pivotally engaged with the other arm of said lever for support by the latter.

1,740,568. PORTABLE LIGHTER. GIANNI BETTINI, New York, N. Y. Filed Oct. 1, 1927. Serial No. 223,304. 5 Claims. (Cl. 67-7.1.)



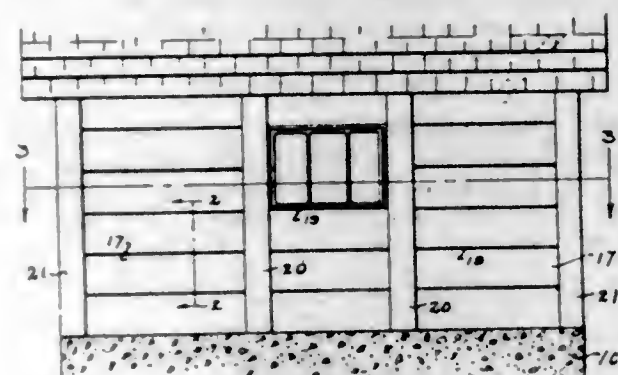
1. A lighter of the character described, including, in combination, sparking apparatus including a sparking member and an abrader adapted for relative movement therebetween to produce sparking, a spring adapted to expend energy to effect relative movement between said sparking member and abrader to produce sparking, a wick cover adapted to open and close, and means, including two members one of which is driven by said spring, adapted to cooperate with each other to latch the cover closed, said two members movable relative to each other to effect unlatching, the one member into position to arrest movement of the spring driven member to latching position.

1,740,569. INDUCTION METER. WILLI BEUSCH, Zug, Switzerland, assignor to Landis & Gyr A.-G., a Limited Joint Stock Company of Switzerland. Filed June 27, 1928, Serial No. 288,678, and in Switzerland Sept. 9, 1927. 4 Claims. (Cl. 171-264.)



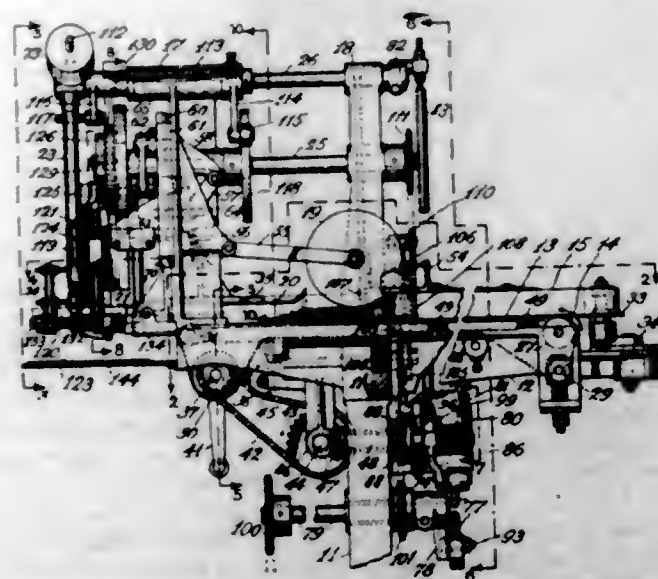
4. An induction meter including in combination a meter disc, current and pressure magnets, and an automatically movable temperature controlled counterpole for compensating for variations in temperature.

1,740,570. WALL CONSTRUCTION. GEORGE L. BRADSHAW, Indianapolis, Ind. Filed Nov. 8, 1926. Serial No. 146,868. 2 Claims. (Cl. 25-131.)



1. The method of building a concrete slab wall comprising the initial forming of a plurality of column molds each of said molds being formed of two sections each section having slab contacting faces spaced apart by removable blocks gripped therebetween by bolts passed through respective opposite contacting faces whereby there is a longitudinal gap left between the contacting faces entering into the space defined within the mold sections; the setting up and aligning of the column molds in spaced relation one to the other; the insertion of the end of a slab through the gap to permit the slab to enter substantially within the column mold and then sliding the slab in the reverse direction to enter its other end into the gap of the next adjacent mold and positioning the slab to have its ends project substantially the same distance through the gaps of the two adjacent molds into the column spaces defined therein and across the adjacent bolts; the successive similar placing of a plurality of slabs one to rest on the other between each pair of molds; the chipping away of the edges of the slabs to clear the bolts and contact the edges of the slabs; the successive removal of the mold section spacing blocks next above as the slabs are laid up; the drawing of the mold sections together to have the contacting faces below grip the slab ends therebetween as the blocks above are removed; the pouring of concrete into the column molds; and the subsequent removal of the mold sections.

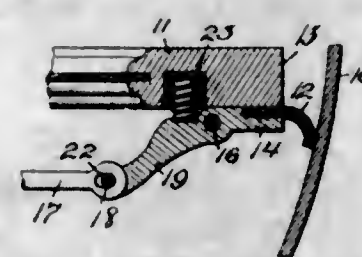
1,740,571. CIGAR FILLER FEED. WILHELM B. BRONANDER, Montclair, N. J., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Apr. 20, 1927. Serial No. 185,177. 19 Claims. (Cl. 131-39.)



1. The combination with means for forwarding cigar filler lengthwise in a narrow stream, of means for sever-

ing sections from said filler, means for assembling severed sections sidewise in a mass for separation into bunch charges, and means for causing the action of said assembling means to control the operation of said forwarding means.

1,740,572. DOOR. WILLIAM H. CAMFIELD, Newark, N. J. Filed Feb. 9, 1928. Serial No. 253,026. 6 Claims. (Cl. 20-18.)

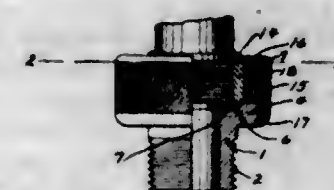


1. A revolving door comprising revolving door sections and a casing in which the door revolves, a weather strip on a door section and engaging the casing in passing, means on the section and movable toward the section for propelling the door and a connection between the said means and the weather strip for retracting the strip when the said means is operated to propel the door.

1,740,573. PROCESS OF MAKING PLASTIC COMPOSITIONS. EDWIN POTTER CARPENTER, Horley, England, assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed July 7, 1927. Serial No. 204,151. 5 Claims. (Cl. 106-38.)

2. The steps in a method of making a plastic composition which consist in grinding commercial casein, adding water and hydrochloric acid to make a wet mixture of the proper consistency and acidity, heating the mixture to cause the casein to mat together and form a homogeneous plastic material, and washing said material in a 20% to 100% solution of magnesium sulphate to remove impurities and cloudiness and make the casein transparent.

1,740,574. HOSE CONNECTION. OSWALD A. CHRISTENSEN, Oakland, Calif. Filed May 10, 1926. Serial No. 108,062. 2 Claims. (Cl. 285-150.)

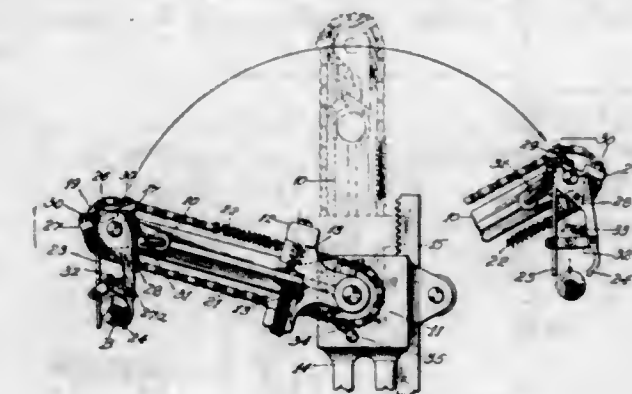


1. A coupling for engagement with a threaded faucet comprising a sleeve, a ring rotatable on the sleeve, spaced apart projections formed on the ring jaws having inwardly turned faces at their respective ends, each of said jaws having an outwardly curved face contacting with the inner face of the ring and a pivot pin passing through each of the jaws concentrically with their outwardly curved faces.

1,740,575. BUNCH TRANSFER FOR CIGAR MACHINES. SIGURD CLAUSEN and VICTOR GEORGE HANSON, Brooklyn, N. Y., assignors to International Cigar Machinery Company, a Corporation of New Jersey. Filed Oct. 5, 1928. Serial No. 310,547. 13 Claims. (Cl. 131-39.)

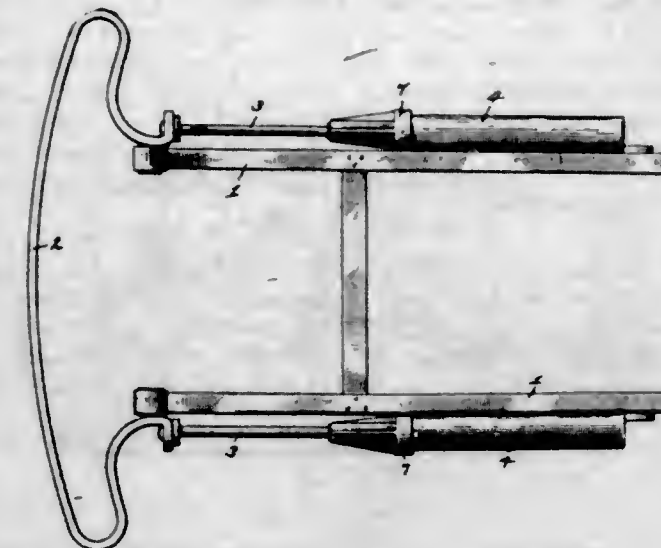
1. In a cigar bunch transfer, the combination with an oscillating transfer arm, of bunch grippers on said arm, one of said bunch grippers being movable to open or closed positions to release or seize a bunch respectively, a trip member movably mounted on said arm, mechanism for moving said trip member on said arm relative to said gripper at the end of each oscillating movement of the

arm, and means cooperating with said trip member and said gripper to maintain said gripper in one of said positions until said trip means has reached a predetermined



position in its movement relative to said gripper and then to throw said gripper to the other position while said trip member continues to move in the same direction.

1,740,576. AUTOMOBILE BUMPER. CELESTE COSTOGANNA, San Francisco, Calif., assignor of one-half to Rinaldo Trevisan, San Francisco, Calif. Filed Sept. 26, 1928. Serial No. 308,434. 5 Claims. (Cl. 293-55.)

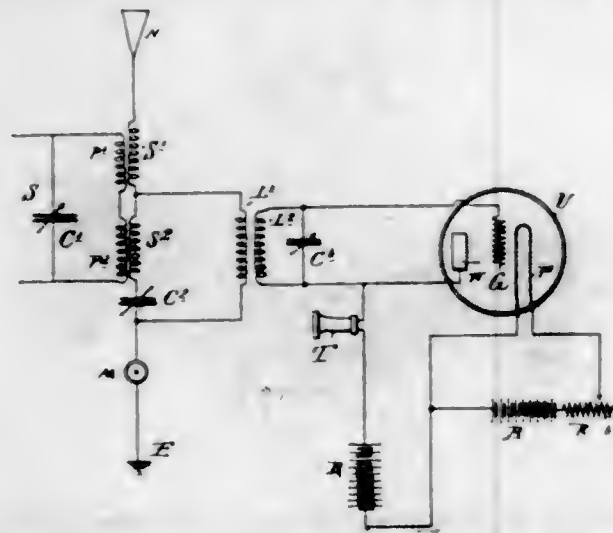


1. The combination with the frame of an automobile, of a bumper extending transversely across an end of the said frame; bearing members secured upon the sides of the frame adjacent said end; rods secured to the bumper and extending into sliding engagement with the bearing members and each provided with a plunger within said bearing members; and a pair of springs mounted within each bearing member upon opposite sides of the plungers therein to resiliently resist inward and outward displacement of the rods and plungers relative to the bearing members.

1,740,577. WIRELESS TELEGRAPH AND TELEPHONE SYSTEM. LEE DE FOREST, New York, N. Y., assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J., a Corporation of Delaware. Filed July 1, 1924, Serial No. 723,488. Renewed May 11, 1929. 5 Claims. (Cl. 250-9.)

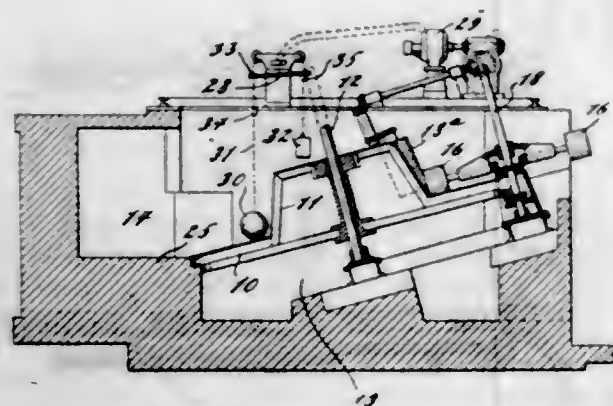
1. In a radio signaling system means for generating oscillations comprising an inductance, a discharge device having an anode, a cathode, and an impedance-varying element, a lead from said cathode to a point in said inductance, a lead from said anode to said inductance, a lead from said impedance-varying element to said in-

ductance, and an electric capacity in effective shunt to at least a portion of said inductance, including at least



a portion of that part of said inductance which lies between the leads from said cathode and said impedance-varying element.

1,740,578. SCREEN. WILLIAM L. D'OLIER, Philadelphia, Pa., assignor, by mesne assignments, to C. H. Gray and John Schaaf, Buffalo, N. Y., and W. G. Peuchen, North Tonawanda, N. Y. Filed Aug. 1, 1923. Serial No. 655,004. 10 Claims. (Cl. 210-201.)



8. In combination, a rotary disc screen having a frame and a plurality of screen plates detachably mounted on said frame, a wall surrounding a portion of the periphery of said disc with the edge of the disc closely adjacent the wall, and a circular wear piece at the periphery of the disc.

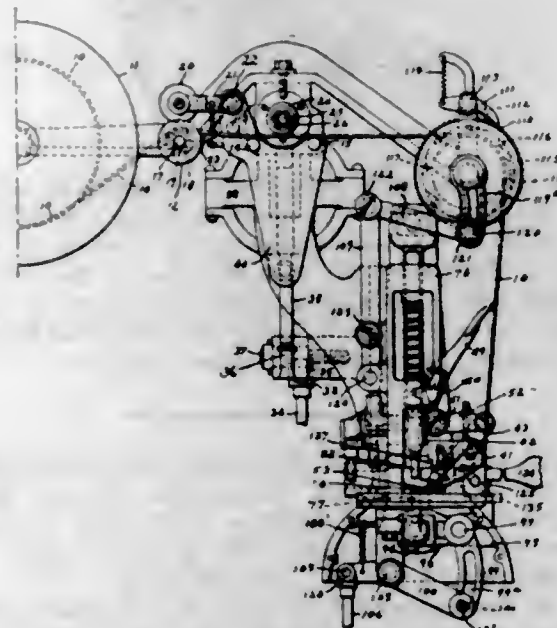
1,740,579. TREAD-ROLLING DEVICE. CHARLES H. DESAUTELS, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 6, 1925. Serial No. 21,042. 1 Claim. (Cl. 154-10.)



A tread rolling device comprising a rotatable tire support, a pair of angularly arranged shafts converging towards the tire support and movable as a unit towards and away from the tire support, a roll having a smooth lateral tread-contacting surface slidably fitted on each of the shafts with the tread-contacting surfaces of the rolls

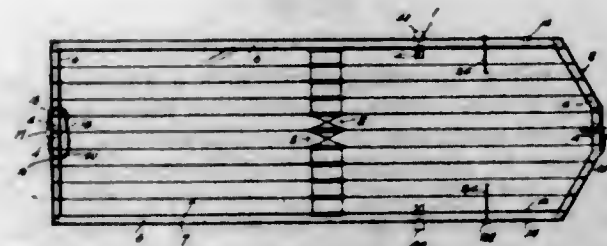
facing each other, and means for pressing the rolls yieldably towards each other, the roll-carrying shafts being mounted with their axes lying in a plane which advances parallel to and substantially to include the axis of the tire support.

1,740,580. METHOD AND APPARATUS FOR UNITING CRUDE RUBBER AND LEATHER OR OTHER MATERIAL. ERNST F. H. ENNA, Copenhagen, Denmark. Filed July 28, 1925. Serial No. 46,574. 13 Claims. (Cl. 154-41.)



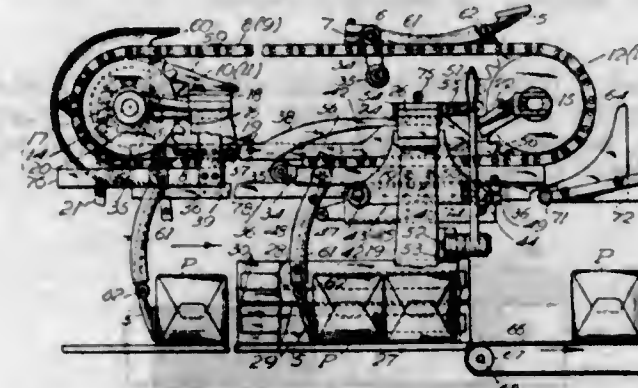
1. A machine for uniting a crude rubber strip with a body member such as a sole, comprising a fraying or rending mechanism, means for effecting relative movement between a strip of crude rubber and said mechanism to fray one side of the strip, means for feeding the strip and the body member at the same speed and in the same direction, with the frayed side of the strip in contact with the body member, and means for applying pressure to the superposed sections of the strip and body member.

1,740,581. COFFIN SPRING. WILLIAM J. EFFINGER, Honey Brook, Pa. Filed May 28, 1928. Serial No. 281,264. 1 Claim. (Cl. 27-2.)



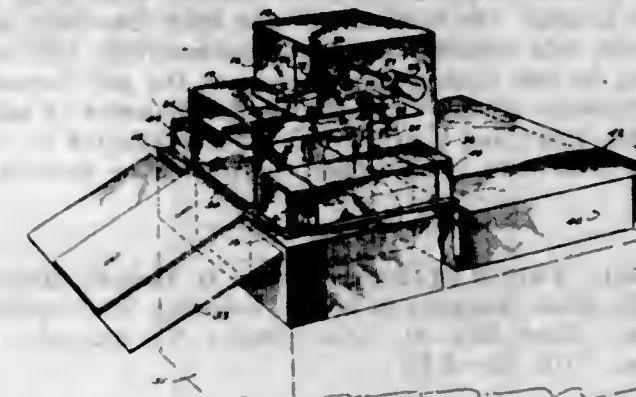
A device on which a corpse can be laid out, prepared for burial, lowered into a coffin, and be supported in the coffin, the said device comprising a frame constructed to support a corpse and shaped to be received in a coffin and rest on the bottom of the coffin, arm rests on the sides of the frame, the frame comprising members which are laterally adjustable to position the rests properly with respect to the arms of the corpse and to adjust the frame to the width of the coffin, means for holding the frame at adjusted widths, and legs slidable along the sides of the frame and constituting means for varying the slope of the device, both whilst the corpse is being prepared for burial and after the corpse is in the coffin.

1,740,582. PACKAGE CONVEYER FOR BREAD-WRAPPING MACHINES. FRED FARMER, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Sept. 24, 1928. Serial No. 307,973. 10 Claims. (Cl. 93-2.)



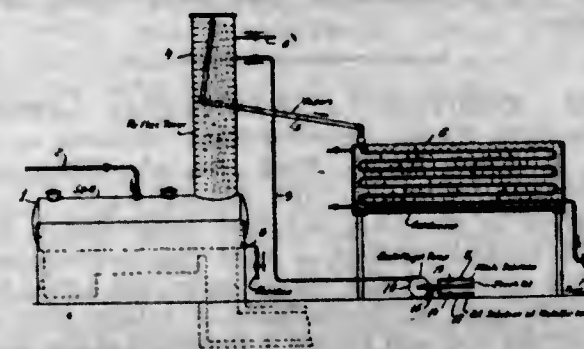
1. The combination with a runway for packages, of pusher members, mechanism for causing said members to push the packages part of the length of said runway and then to disengage the packages, and means operable at will to cause said members to push the packages along the remainder of the runway to clear the same.

1,740,583. AUTOMATIC ANIMAL TRAP. GEORGE F. FISHER, Oklahoma City, Okla. Filed June 11, 1928. Serial No. 284,415. 4 Claims. (Cl. 43-68.)



1. A rat trap consisting of a cage like outer structure having an inlet opening at its front, the rear end of said cage having an outlet opening at a lower level than the inlet opening, an elevator cage vertically movable between the levels of said openings in the outer structure, a counterbalance normally holding the cage raised, a latch carried by said cage, a fixed member wherewith the latch engages upon the cage being raised whereby to restrain the cage from downward movement, a bellcrank pivoted on said cage and having one end engaging the latch to move the same to release position, a treadle pivoted on the floor of the cage, and a link connecting said treadle and bellcrank to operate the latter as the treadle is depressed.

1,740,584. REFINING OF HYDROCARBON OILS. ROBERT HENRY GARDNER and HOWARD GEORGE HODGE, Coffeyville, Kans., assignors to Sinclair Refining Company, New York, N. Y., a Corporation of Maine. Filed July 18, 1920. Serial No. 122,176. 4 Claims. (Cl. 190-28.)



1. An improved method of treating hydrocarbon oils which comprises heating the oil in a still and driving off

389 O. G.—57

vapors into a reflux tower, introducing fresh oil to be treated containing a dissolved oil soluble compound of a metal of the sulphide group into the reflux tower in countercurrent contact with the vapors therein during the operation, conveying reflux condensate and admixed unvaporized fresh oil from the reflux tower to the still and taking off and condensing vapors from the reflux tower.

1,740,585. WATER COOLER. JOHN N. GENNIS, Houston, Tex. Filed Aug. 12, 1927. Serial No. 212,589. 2 Claims. (Cl. 62-45.)



1. A device of the character described including an ice receptacle, open above and in front and having double rear, side and bottom walls forming a continuous water chamber between said walls, the inside walls of the receptacle being smooth to permit close, continuous contact thereof with a block of ice, in said receptacle, a water reservoir above said receptacle and connected into the receptacle and a valve controlled outlet leading from said water chamber.

1,740,586. WINDOW ATTACHMENT. CHARLES B. GILMORE, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 24, 1927. Serial No. 201,114. 8 Claims. (Cl. 156-33.)

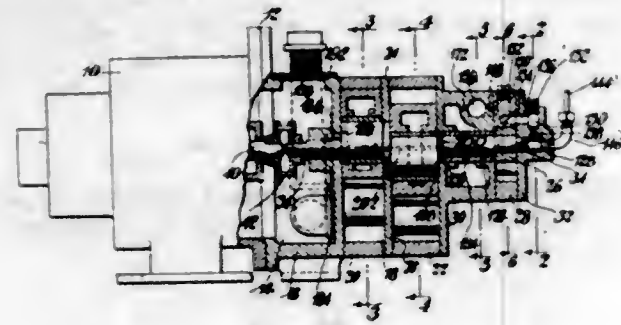


1. In an apparatus including a frame, a sash movable in the frame, and curtain raising means associated with the sash, the combination with the curtain raising means of means carried by the sash to retain the curtain raising means in raised position.

1,740,587. FLUID PUMP. BENJAMIN GREENFIELD, Jackson Heights, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a Corporation of Maine. Filed Feb. 25, 1926. Serial No. 90,439. 9 Claims. (Cl. 103-4.)

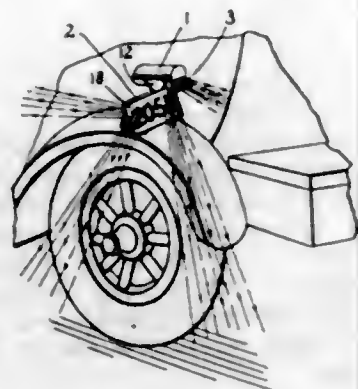
1. In a multiple fluid feed system, the combination with pumps arranged to deliver fluid separately from sep-

arate sources of supply to said system, of a drive shaft common to all of said pumps, a casting forming a common



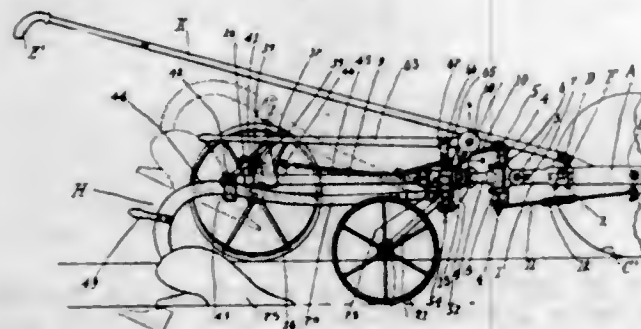
end plate for the working cylinders of each pair of pumps, and means to prevent the intermingling of fluid handled by one pump with fluid handled by any other pump.

1,740,588. ILLUMINATING MEANS. FREDERICK HAMILTON, Providence, R. I. Filed Nov. 23, 1925. Serial No. 70,840. 18 Claims. (Cl. 40—131.)



15. In a vehicle light, a plurality of reflectors forming a support for an opaque hood, and illuminating means in the hood adapted to illuminate the reflector so that they may be seen from the front, side and rear.

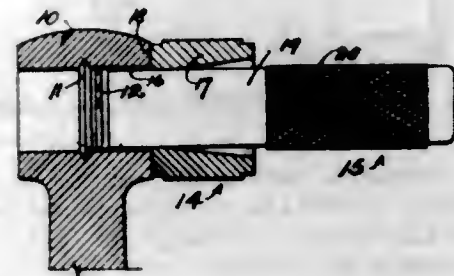
1,740,589. ANTI-SIDE-DRAFT PLOW HITCH. PAUL HANSMANN and HERMAN STRACK, Long Prairie, Minn., assignors, by mesne assignments, to the said Hansmann. Filed Aug. 13, 1921. Serial No. 491,890. 6 Claims. (Cl. 97—48.)



1. In a plow hitch construction, a rearwardly extending frame member adapted to be connected at its forward end to a tractor for lateral swinging movement, a diagonally extending frame member pivotally connected at its forward end to the rearwardly extending frame member for pivotal movement about the rearwardly extending frame member as a center, a ground wheel mounted to support a rearward portion of said diagonally extending member at a point offset from the center line of draft and operative to resist lateral movement of the frame member due to

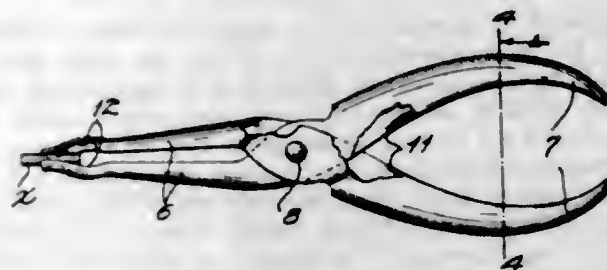
side draft, a bracket member extending laterally in the opposite direction from the forward end of the diagonally extending member, a ground wheel mounted to support the outer end of the bracket, and a plow having the forward end of its beam pivotally connected to said bracket member adjacent the inner end thereof.

1,740,590. TOOL FOR PLACING OR REMOVING PISTON-PIN RETAINING RINGS. WILLIAM W. HARTMAN, Memphis, Tenn. Filed Oct. 26, 1928. Serial No. 315,292. 5 Claims. (Cl. 29—88.2.)



4. A tool for removing or replacing split retaining rings in connecting rod ends, which ends are provided with a groove for the reception of the ring, said tool comprising a thin annular shell adapted to closely fit the bore of the rod end and a handle portion, larger than said holder portion, integral therewith whereby a shoulder is formed to limit the entrance of said shell into said rod end bore, said handle having a communicating bore increasing in size from said shell toward the end thereof, to a diameter greater than the normal diameter of said retaining ring; and a cylindrical plunger adapted to cooperate with said retainer part in placing or removing a ring.

1,740,591. VALVE PLIERS. MARION H. HARTER, Minneapolis, Minn., assignor to Roy D. Douglass, Minneapolis, Minn. Filed May 31, 1923. Serial No. 642,504. 1 Claim. (Cl. 81—5.1.)

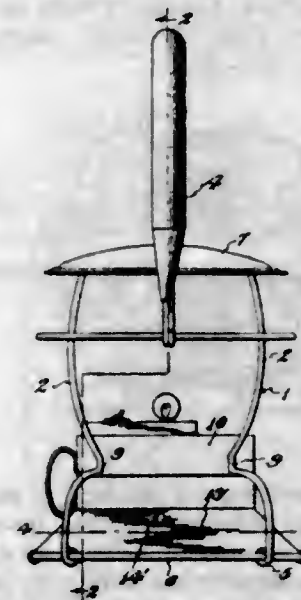


A pair of pliers comprising a pair of duplicate members, each of which is formed from a single sheet of metal folded to form a long channel-shaped jaw and a hollow handle and having a longitudinally extended slot between said jaw and hollow handle, the sides of one of said members at its slot being laterally spaced and the other of said members extending therebetween, and a pin extending through aligned holes in the sides of said members and pivotally connecting the same, the open sides of the channel-shaped jaws being turned toward each other.

1,740,592. ELECTRIC RAILWAY SIGNAL LANTERN. JAMES OTTO HAZEL, Atchison, Kans., assignor to John Long, Atchison, Kans. Filed Dec. 15, 1927. Serial No. 240,238. 1 Claim. (Cl. 240—10.5.)

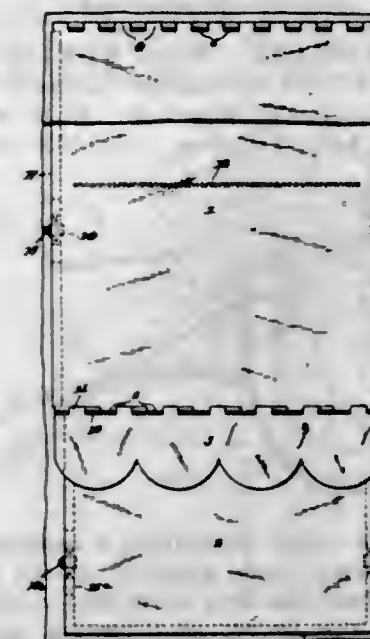
A lantern of the class described comprising a frame including vertical uprights, a split ring secured to the lower ends of the uprights, spaced guide plates fixed intermediate the ends of the uprights, a bottom plate supported by the ring and having a longitudinal slot formed therein, one end of which opens between the terminals of the ring, a battery container slidably engaged between

the guide plates and bottom plate, a stop carried by the bottom plate, a spring arm connected with the bottom plate and having a lug carried thereby for engagement



with one end of the container when the other end engages the stop, and a reflector supported by the upper ends of the uprights.

1,740,593. COMBINED WINDOW AWNING AND SHUTTER. HORNE, Plaistow, London, England. Filed Feb. 28, 1927. Serial No. 208,485. 4 Claims. (Cl. 189—55.)

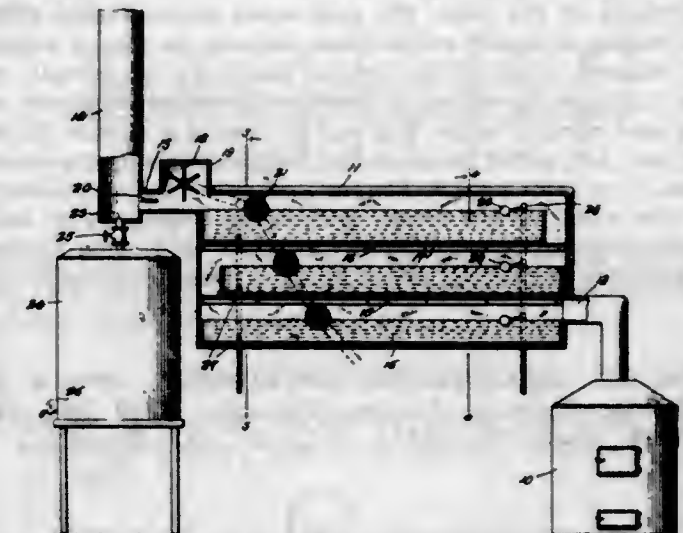


1. A sectional metallic window awning and shutter having a main section, a plurality of auxiliary sections attached to one end of said main section, one auxiliary section depending from said main section to form an ornamental flap and the other auxiliary section being pivoted to the same end of the main section whereby it may be turned on its pivotal center to a depending position below said main section or turned back against the under surface of said main section, and a reinforcing rib extending transversely of the under surface of said main section, said reinforcing rib having a frictional catch for releasably holding the pivoted auxiliary section against the under face of said main section.

1,740,594. SMOKE CONDENSER. JOSEPH M. HILL, Ogden, Utah, assignor of one-fourth to Stillman F. Norton, Ogden, Utah. Filed Dec. 2, 1927. Serial No. 237,266. 3 Claims. (Cl. 261—92.)

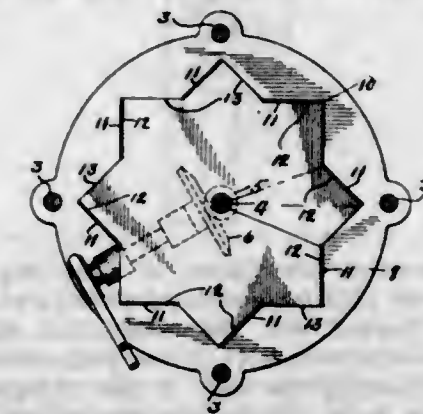
1. In a device for removing smoke from furnace gases, a casing having an inlet near its bottom adapted to communicate with a furnace and an outlet near its top adapted to communicate with a furnace flue, a series of vertically spaced water receptacles in said casing, the

spaces between juxtaposed receptacles forming a passage through which the gases flow from said inlet to said outlet, means at the bottom of said flue for collecting impuri-



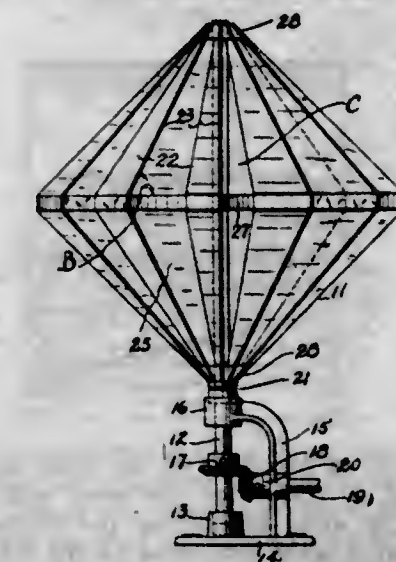
ties extracted from the gases and means near said outlet for creating a draft through said passage toward said flue.

1,740,595. STREAM MOTOR. HANS I. HOHLT, Santo Domingo, Dominican Republic. Filed July 22, 1926. Serial No. 124,118. 2 Claims. (Cl. 170—14.)



1. In a device of the character described the combination of a rotor and means for mounting the same for rotation in an impelling stream, the rotor having vanes making similar angles with one another, the successive angles between radial lines drawn to the leading and trailing edges of the vanes being substantially equal, so that the rotor will rotate always in the one direction as long as the direction of flow of the impelling stream is at an angle to the axis of rotation of the rotor.

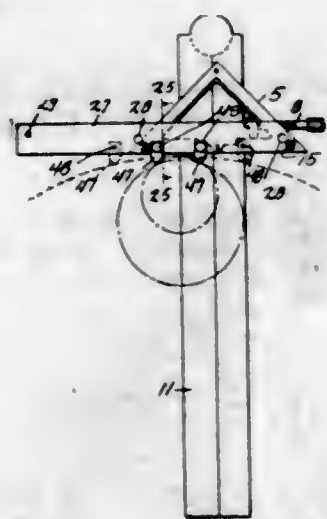
1,740,596. STREAM MOTOR. HANS I. HOHLT, Santo Domingo, Dominican Republic. Filed Apr. 11, 1928. Serial No. 269,047. 2 Claims. (Cl. 170—36.)



1. A stream motor comprising a rotor having a plurality of vanes equally spaced about the axis of the rotor

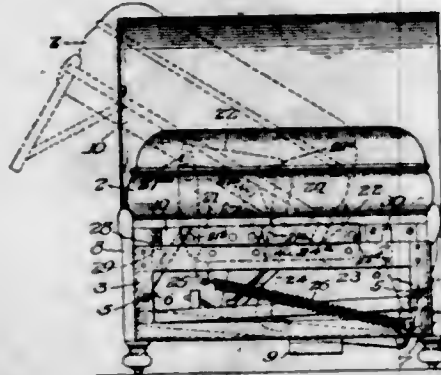
in proximity to one another, said vanes being relatively stationary with respect to one another, the spaces between the vanes being in free communication with one another interiorly of the rotor, the said vanes making equal similar angles with the radial lines thereto, so that a region of reduced pressure is created exteriorly of certain of the vanes, and a region of increased pressure interiorly of the said certain vanes, due to the flow of a stream thereagainst, and power transmission means driven by the rotor, said rotor having its maximum circumference intermediate of the ends of the rotor, said vanes sloping from said circumference to the ends of the rotor, said rotor having a partition extending therethrough at said circumference.

1,740,597. GEOMETRICAL INSTRUMENT. OTTO A. E. HOYER, Plalstow, London, England. Filed Feb. 23, 1926. Serial No. 90,114. 1 Claim. (Cl. 33-89.)



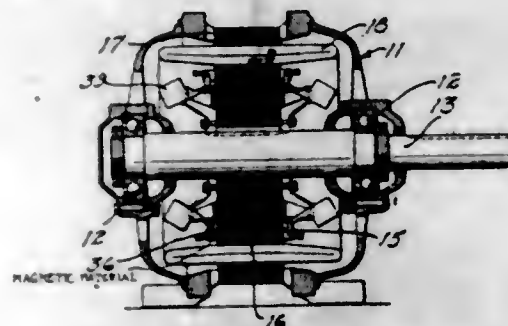
In a geometrical instrument, a right angle triangle having means to adjustably slidably attach a straight edge to one side thereof with the longitudinal axis of the straight edge coincident with a line perpendicular to the base and intersecting the apex of the triangle, said triangle having a rabbet in the opposite side thereof along its base, a base extension blade of the triangle having an end portion thereof fitted in the rabbet of the latter, means to removably secure the end of the base extension blade in the rabbet of the triangle, a pair of contacts, and means to secure the contacts to the lower edge portion of the base extension blade at desired different distances to opposite sides of a longitudinal edge of the straight edge.

1,740,598. DAY BED. CHARLES HULTOREN, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Dec. 4, 1922. Serial No. 604,876. 10 Claims. (Cl. 5-26.)



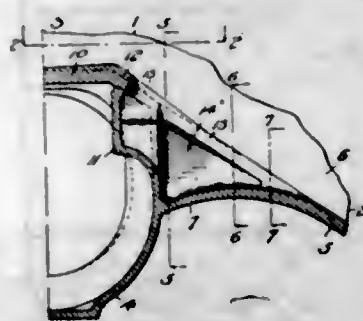
1. In an article of furniture of the class described, an overturning seat, a frame for the seat, and means including a pair of arms connecting the frame and seat at each end, and a lever connected to the frame and to the seat end of one of the arms for first raising and then swinging the seat in overturning it.

1,740,599. INDUCTION MOTOR WITH MOVABLE MAGNETIC BRIDGES. CARL E. JOHNSON, Los Angeles, Calif., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed July 28, 1920. Serial No. 125,846. 12 Claims. (Cl. 172-120.)



3. A motor comprising: a stator; a primary winding for said stator, said primary winding being connected to a polyphase current source for setting up a rotating field; a rotor formed of magnetic material; an outer secondary winding carried by said rotor; an inner secondary winding carried by said rotor, there being a magnetic leakage path existing between said outer and inner windings, there being a slot formed through said magnetic leakage path; a magnetic bridge in said slot and in said magnetic leakage path when said rotor is at rest; and means for moving said magnetic bridge from said magnetic leakage path when said rotor is accelerated.

1,740,600. SIDE FRAME. BYRON W. KADEL, Baltimore, Md., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Mar. 5, 1929. Serial No. 344,443. 7 Claims. (Cl. 105-205.)

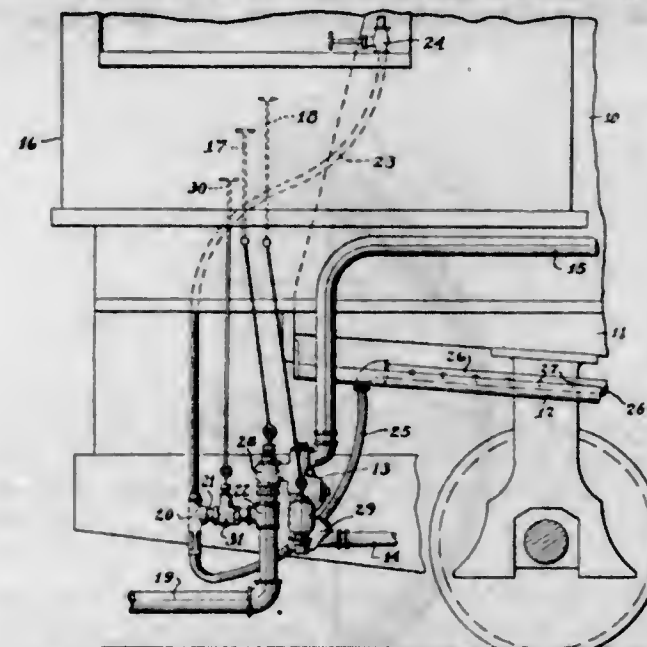


1. A truck side frame comprising a tension member, a compression member, said members united together at their ends, a journal box with brass lugs integrally united to each end of the frame, said tension member being channel shape in cross section with the web of the channel sloping generally in the direction of the upper inner corner of the adjacent brass lug, the connection between said tension member and box being rigidified by widening the web of said member and forming a downward convolution therebeneath at said widened portion and extending said convolution to join the adjacent side wall of the box, the width of said convolution at the intersection with said box corresponding with the normal width of the tension member, the flanges of said tension member being maintained the normal distance apart and extended upwardly from the normal plane of said web, said convolution gradually tapering in depth and width away from said box to finally merge into the normal web portion of the tension member.

1,740,601. SPRINKLING DEVICE FOR LOCOMOTIVE ASH PANS. LEONARD KASSANDER, New York, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y. Filed Sept. 30, 1925. Serial No. 59,599. 2 Claims. (Cl. 110-171.)

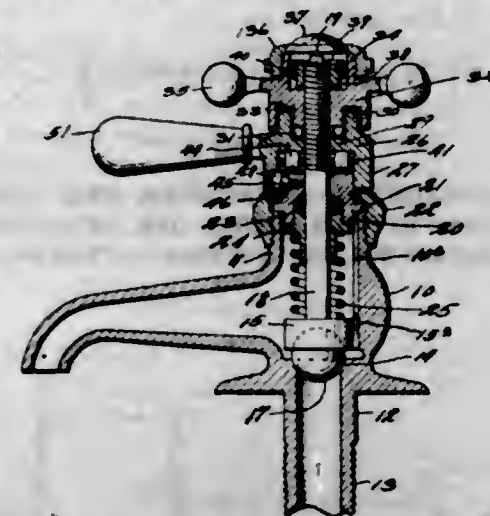
1. In a device for cooling the contents of a locomotive ash pan, a sprinkler mounted to discharge water into the

ash pan, an ejector means for supplying steam from the boiler to operate the ejector, valve means in the cab for controlling the steam supply means, a conduit for supply-



ing water from the tender to the ejector, valve means in the cab for controlling the supply of water to the ejector, and a conduit through which water is delivered by the ejector to the sprinkler.

1,740,602. CONVERTIBLE FAUCET. JOHN M. KEELER, New Brighton, Pa., assignor of one-half to Charles R. Welsh, New Brighton, Pa. Filed Apr. 5, 1928. Serial No. 267,640. 10 Claims. (Cl. 251-182.)



3. A faucet of the character described including a body having a valve seat, a valve coacting therewith and having a stem extending up through the body, a spring urging the valve to its seat, a horizontally movable cam mounted for rotation around the spindle as upon an axis and having a handle, said cam having a valley and a crest and at the crest having a seat, an abutment against which the cam bears, said abutment adapted to engage said seat in the crest when the cam is turned a sufficient distance to carry the seat into coincidence with the abutment, and adjustable means in one position limiting the movement of the cam to prevent the seat and abutment coacting and permit the pressure of the spring to return the valve to its seat when the handle is released and in the other position permitting the cam to be manually turned to bring the abutment in engagement with the seat and thus hold the valve open until the cam is manually returned to its initial position.

1,740,603. LIGHT COLOR SCREEN. CHARLES L. KELLERT, Baltimore, Md. Filed Nov. 20, 1928. Serial No. 320,608. 11 Claims. (Cl. 240-8.)

1. In a device of the character described, in combination, a light projector, a frame adapted to be mounted

over the frontal face of said projector, a plurality of two-color light transmitting members pivotally supported



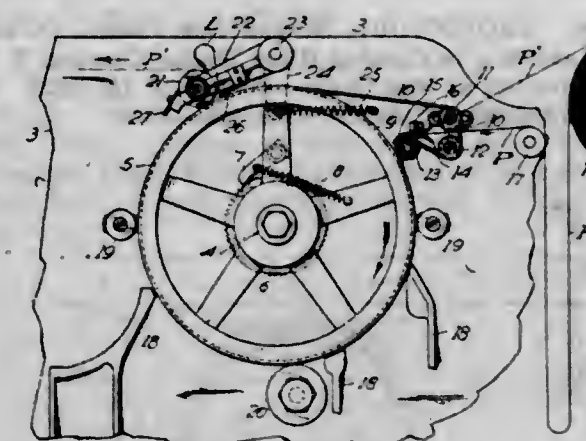
within said frame, and means for automatically oscillating said members whereby to alternately project different colored lights from the projector.

1,740,604. CHASER. RAYMUND KIENZL, Cleveland, Ohio. Filed May 9, 1927. Serial No. 189,845. 3 Claims. (Cl. 10-101.)



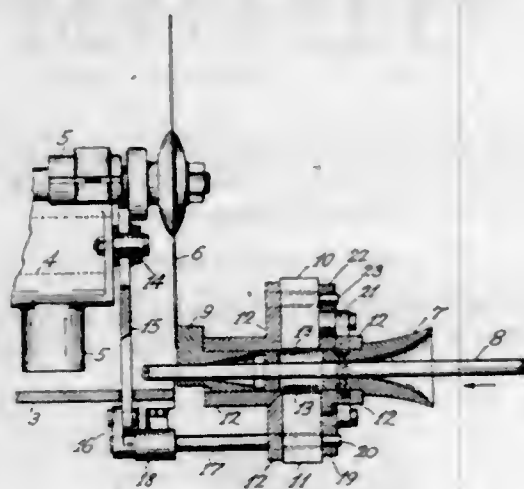
2. A chaser provided with a plurality of teeth correspondingly arranged with reference to a certain axial plane and in a row, the first one of said teeth having only one cutting edge, the second one of said teeth having only one lateral cutting edge and the third one of said teeth having only one lateral cutting edge oppositely located than the first mentioned lateral cutting edge all of said teeth being of such size as to cut a finished edge of a screw thread.

1,740,605. PAPER-INSERTING DEVICE FOR CIGARETTE-MACHINE PRINTERS. MAXIMILIAN KLEIN, Lansdale, Pa., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Oct. 2, 1928. Serial No. 309,741. 5 Claims. (Cl. 271-2.3.)



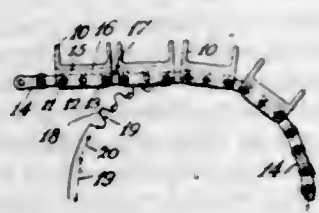
1. The combination with a drum for carrying a continuous paper strip passing around the same, of means including a narrow belt coacting with a groove at one side of the drum to grip the leading end of the paper strip at any time while the drum is in motion and to automatically lead said end about the drum.

1,740,606. CIGARETTE-PERFORATING DEVICE. KNUD N. KNUDSEN, Floral Park, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Apr. 18, 1927. Serial No. 184,498. 9 Claims. (Cl. 131-39.)



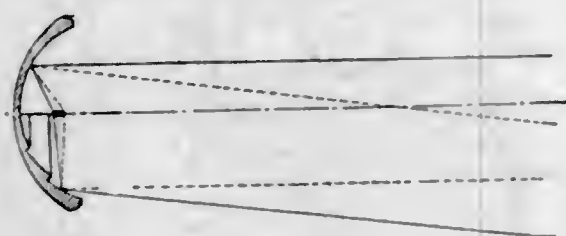
1. The combination with a cigarette rod guide, of means for perforating the wrapper of said rod in said guide at regular spaced intervals.

1,740,607. CONVEYER. JAMES W. LEARY, Bloomfield, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Apr. 8, 1927. Serial No. 181,923. 3 Claims. (Cl. 198-189.)



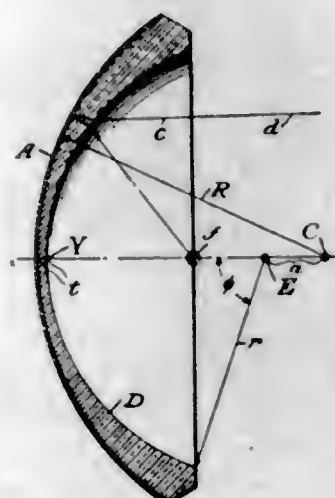
1. In a conveyer for packaging machines, the combination with sprockets having teeth formed on a non-circular pitch line, of a chain having pockets secured to and holding straight a plurality of links of said chain, whereby the stability of said pockets is increased.

1,740,608. PROJECTOR. STATES LEE LEBRY, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Jan. 15, 1923. Serial No. 612,701. 7 Claims. (Cl. 240-41.)



1. A projecting mirror having a reflecting rear spherical face and having a refracting forward face, the upper part of the latter of which is formed by the revolution of a curve around a vertical axis, and having greater positive spherical aberration in a horizontal than in a vertical plane, and a lower part of which is formed by rotating a plurality of curved zones around a horizontal axis.

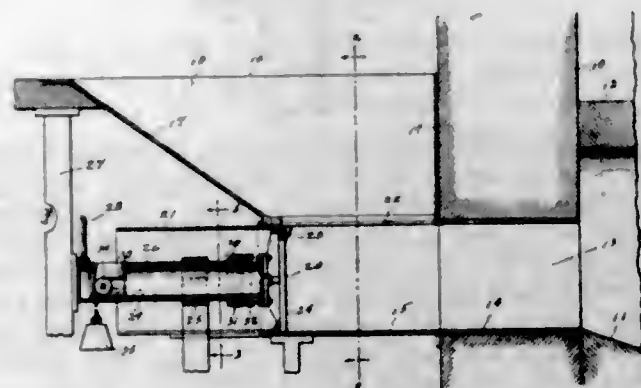
1,740,809. LIGHT PROJECTOR. STATES LEE LEBRY, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed June 11, 1925. Serial No. 36,514. 2 Claims. (Cl. 240-41.)



1. A catadioptric mirror having an acceptance angle of over 135° formed with spherical surfaces having an inner surface of radius r , a vertex thickness t and a distance a between centers, subtending an angle 2ϕ at the center of inner curvature, and such that $\frac{a}{r}$ lies between the limits given by the equation:—

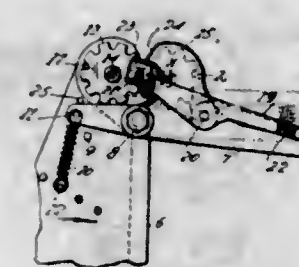
$$\frac{a}{r} = .23 \left[1.3 - \frac{t}{r} \pm (.11 + 1.3 \cos^2 \phi) \right]$$

1,740,610. CHARGING APPARATUS FOR INCINERATORS. GUS F. LENK, Dallas, Tex. Filed June 20, 1927. Serial No. 200,232. 2 Claims. (Cl. 110-109.)



1. In an incinerator charging apparatus, the combination of a chute, a hopper feeding thereto, a plunger head disposed to traverse the chute and having an extended apron formed with an open lower portion, a support extending within the apron through said open portion, a fluid pressure cylinder carried by said support and open at its end next the chute, a fluid inlet at the opposite end of said cylinder, a tubular piston within the open end of the cylinder and connected to said head, and a tensioned connection to return the piston to the interior of its cylinder.

1,740,611. LEAF-STEMMING DEVICE. CHARLES F. LINDH, Brooklyn, N. Y., assignor to Standard Tobacco Stemmer Company, a Corporation of Virginia. Filed May 9, 1928. Serial No. 276,297. 6 Claims. (Cl. 131-57.)



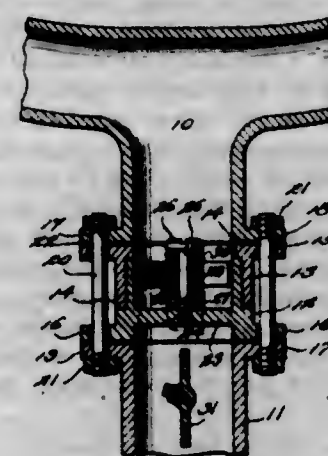
1. In a leaf-stemming device, the combination with a pair of separable knives coacting to engage the stem between them, of a wiper to wipe the knives and means operating to first separate said knives and then actuate said wiper.

1,740,612. MACHINE FOR TWISTING METAL STRIPS. WILLIAM LOWE, Ansonia, Conn., assignor to The American Brass Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 20, 1926. Serial No. 130,429. 19 Claims. (Cl. 153-78.)



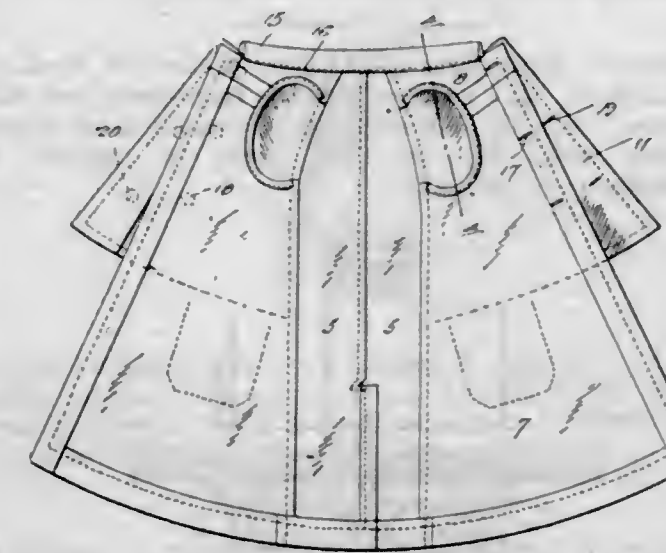
1. A machine for twisting a metal strip of the class described having, in combination, a support for a supply of metal strip to be twisted, a twisting head having an axial opening through which the strip passes, means for rotating said support and head about the axis of the head, and driven strip feeding devices carried by the head for assisting in feeding the strip through the head and for effecting a predetermined twist in the strip as it leaves the head.

1,740,613. ROTARY MIXER. JAMES C. LYLE, Plymouth, Mass. Filed Oct. 14, 1927. Serial No. 226,211. 1 Claim. (Cl. 48-180.)



In a mixing device, a housing formed of separable inner and outer telescopic sections, stop shoulders to limit relative inward movement of said sections, a bar carried by and extending diametrically across one section, a headed bolt threaded through the bar and disposed axially of the housing, a fan mounted for rotation upon the bolt, a jamb nut mounted upon the bolt and bearing upon the bar, an anti-friction device interposed between the hub of the fan and the head of the bolt and between the hub of the fan and the jamb nut.

1,740,614. RAINCOAT. ANDREW MARQUIST, Saugatuck, Mich., assignor of one-half to Edwin F. Marquist, Chicago, Ill. Filed Mar. 5, 1928. Serial No. 259,255. 1 Claim. (Cl. 2-87.)

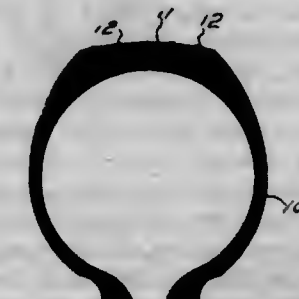


In a rain proof garment of the type described, a pair of vertically oblong back sections stitched together along adjacent longitudinal sections, a pair of lower side sections, a pair of cape sections, a pair of top side sections, said top side sections, said cape sections, and said side sections being stitched all together to the outer sides of the back section at the upper portion thereof, said stitching continuing down to secure the lower portions of the lower side sections to the remaining portions of the back sections, and a collar stitched to the top side sections and the top of the back sections, said top and bottom side sections being provided with arm holes adjacent the sides of the upper portions of the back sections, means for securing the free edges of the side sections together, and means for securing the free edges of the cape sections together.

1,740,615. IRIDESCENT PRODUCTS AND PROCESS OF MAKING THE SAME. MAXIMILIAN C. MEYER, Brooklyn, N. Y., assignor to Jos. H. Meyer Bros., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 3, 1925. Serial No. 60,303. 9 Claims. (Cl. 91-70.)

1. The process of producing iridescent textiles which consists in heat-polishing the surface of a textile base material and applying a basic halogen salt of bismuth to the polished surface and then applying a liquid film to the treated surface, the base material being of a nature to be unaffected by the solvent for the film material, and finally rubbing the surface of the film.

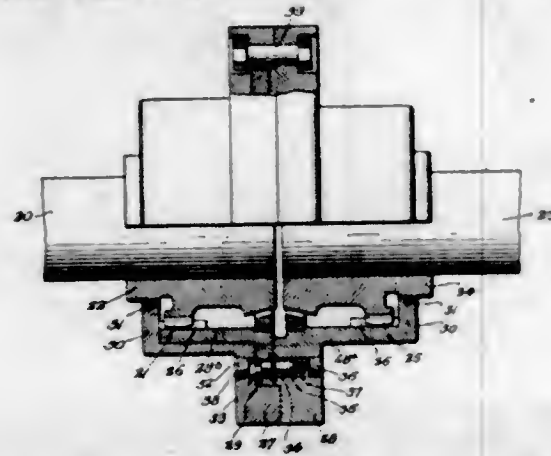
1,740,616. NONSKID TIRE. THOMAS MIDDLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed June 20, 1927. Serial No. 199,922. 2 Claims. (Cl. 152-14.)



1. A tire casing comprising a rubber tread portion, one or more spirally coiled wires positioned longitudinally of the tread portion and imbedded therein with one side of the

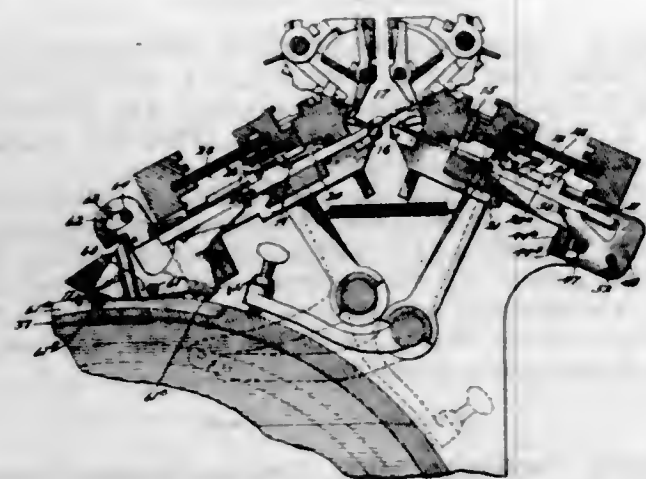
coils substantially flush with the tread surface, and short lengths of wire looped around each coil of the spiral beneath the surface of the tread, the ends of said short wires extending longitudinally of the tread to form independent anchoring means for each coil of the spiral.

1,740,617. FLEXIBLE COUPLING. MERTON W. MORGAN, Baltimore, Md., assignor to Poole Engineering and Machine Company, Baltimore, Md., a Corporation of Maryland. Filed Nov. 30, 1927. Serial No. 236,799. 6 Claims. (Cl. 64-91.)



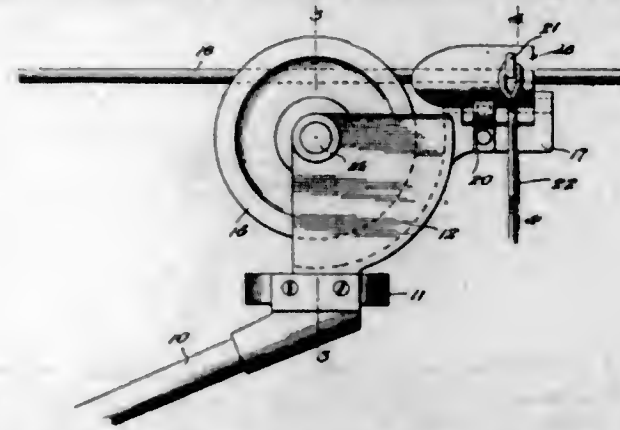
1. In a shaft coupling, a pair of shafts, a series of teeth on each shaft, a sleeve composed of two sections one of which has two portions, one of said sections and a portion of the other section engaging said teeth to transmit motion from one shaft to the other, and a breakable element rigidly connecting one section with one of the separable portions of the other sleeve section adapted to be ruptured when a predetermined load is imposed on one of said shafts.

1,740,618. KNITTING MACHINE AND THE LIKE. FRITHIOF NELSON, Rockford, Ill. Filed Jan. 14, 1927. Serial No. 161,182. 12 Claims. (Cl. 66-66.)



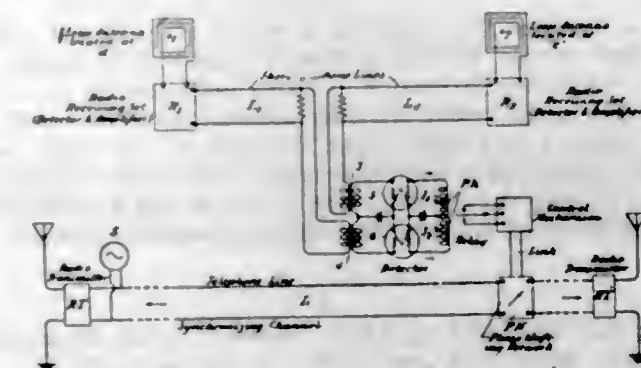
5. In a straight line knitting machine, the combination with front and rear sets of oscillatable knitting needles and a jack in conjunction with each needle, said jacks being movably mounted with respect to their needles, front and rear cam blocks slidably mounted and adapted periodically to reciprocate the jacks, a jack controlling plate for each pack, movable mountings for said jack controlling plates whereby they may be moved for the purpose of moving their jacks into and out of engagement with the cam blocks, and a control drum in conjunction with the jack controlling plates for the rear jacks, whereby said jack controlling plates are periodically caused to move to correspondingly move their jacks into and out of engagement with the rear cam block, of means operable according to the cycle of movements of the machine for at times moving the jack controlling plates for the alternate front jacks, and the jack controlling plates for alternate rear jacks into position where their jacks are non-operative by the movement of the cam blocks, substantially as described.

1,740,619. TROLLEY WHEEL. JOSEF NEUMANN, Milwaukee, Wis. Filed Oct. 26, 1927. Serial No. 228,938. 2 Claims. (Cl. 191-60.)



1. A trolley comprising an arm, a wheel carried thereby and capable of horizontal swinging movement and a guide movable with said wheel, said guide including a pair of transversely curved members hingedly connected at their lower edges at a point in direct vertical alignment below the trolley and adapted to receive the trolley wire and means for yieldingly holding the hinged members against outward movement and a cable connected with the curved members above their hinged connection.

1,740,620. CONTROLLING PHASE RELATIONS BETWEEN STATIONS. HARVEY NYQUIST, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 19, 1927. Serial No. 227,304. 5 Claims. (Cl. 250-17.)

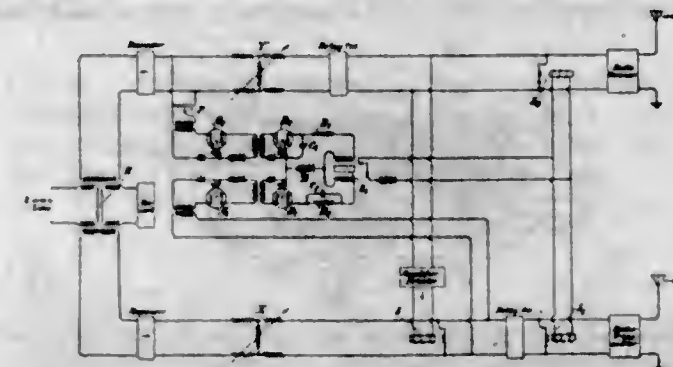


1. In a system in which a plurality of radio transmitters operating upon a common wave length are interconnected by a wire line including a phase controlling element, said line transmitting a fundamental controlling frequency to determine the radio wave length employed; the method of maintaining a constant phase relation between any two stations so interconnected, which consists in picking up waves at two pick-up points close to but equidistant from a nodal point at which the combined waves from the two stations will substantially annul each other under normal phase conditions, combining said waves to produce a null effect under normal phase conditions and to produce an effect determined by phase variation under abnormal conditions, and adjusting the phase controlling element of the interconnecting line to compensate for the indicated phase variation.

1,740,621. SUPPRESSION OF ECHOES AND SINGING IN FOUR-WIRE CIRCUITS. HARVEY NYQUIST, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 22, 1927. Serial No. 228,061. Renewed Sept. 15, 1928. 4 Claims. (Cl. 178-44.)

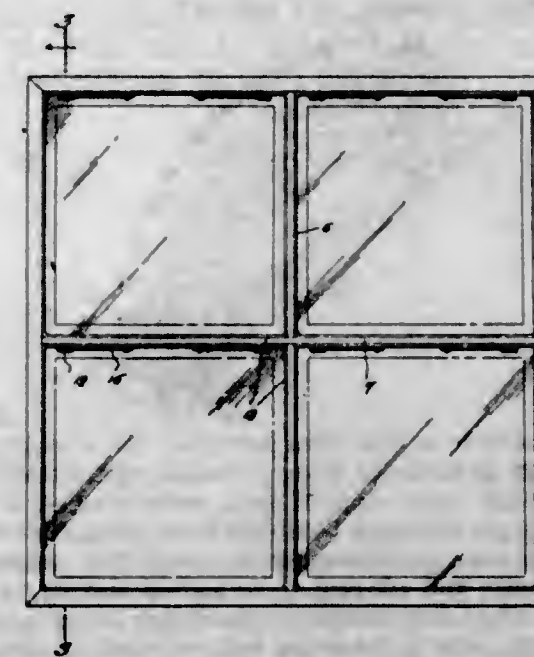
1. In a two-way telephone circuit having a first path adapted for transmission in one direction and a second path adapted for transmission in the opposite direction, the first path being normally blocked at a point relatively near its outgoing end and the second path being normally

cleared, an amplifier-detector associated with the first path, an amplifier-detector associated with the second path, a relay having two windings differentially connected and included one in the output circuit of each of said amplifier-detectors, means associated with the input cir-



cuit of the amplifier-detector of the second path for adjusting the current therein, means responsive to the operation of said relay for clearing the first path and simultaneously blocking the second path, and means responsive to voice currents in the second path for blocking the first path at a point relatively distant from its outgoing end.

1,740,622. SASH CONSTRUCTION. JAMES C. OWENS and EARL WOFFORD, Southmont, N. C. Filed Sept. 8, 1928. Serial No. 304,790. 2 Claims. (Cl. 20-56.4.)

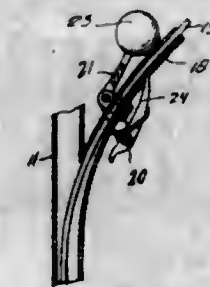


1. In a window sash of the character described, a frame, a shoulder formed at the interior of the frame, a glass panel adapted to be arranged within the frame in abutting relation with said shoulder, a retaining frame adapted for engagement within said main frame in back of the panel and quick detachable connection between said second frame and said main frame, said quick detachable connections consisting of a rigid pin associated with the frame and adapted for engagement within sockets of the main frame and releasable spring actuated pins also associated with said frame and adapted for detachable engagement with said other sockets in said main frame.

1,740,623. COMBINED CANDLE SNUFFER AND LIGHTER. CHARLES A. PAYNE, Syracuse, N. Y. Filed May 10, 1928. Serial No. 276,647. 3 Claims. (Cl. 67-6.)

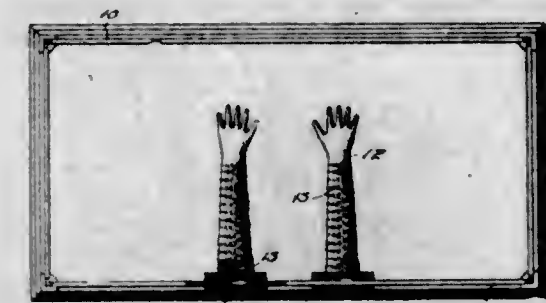
1. In a device of the character described, an elongated hollow handle shaft, a taper guide tube provided with a slot projecting outwardly of said shaft and communicating with the interior thereof, a bell crank pivotally mounted

on the handle, a weight member associated with the upper arm of the bell crank and adapted to rest on said tube, and a dog pivoted to the lower arm of the bell crank, the forward end thereof extending through the slot in the taper guide tube and adapted to move a taper outwardly of the handle when the same is tilted to cause a rocking of the bell crank under the action of said weight.



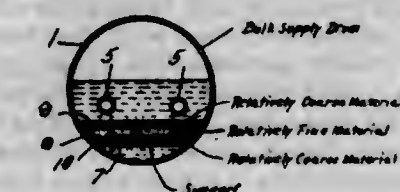
ward end thereof extending through the slot in the taper guide tube and adapted to move a taper outwardly of the handle when the same is tilted to cause a rocking of the bell crank under the action of said weight.

1,740,624. APPARATUS FOR THE APPLICATION OF ELECTRIC HYDRO-PHYSIO THERAPEUTICS. PETER J. PEEL, Chicago, Ill. Filed June 25, 1927. Serial No. 201,404. 7 Claims. (Cl. 174-87.)



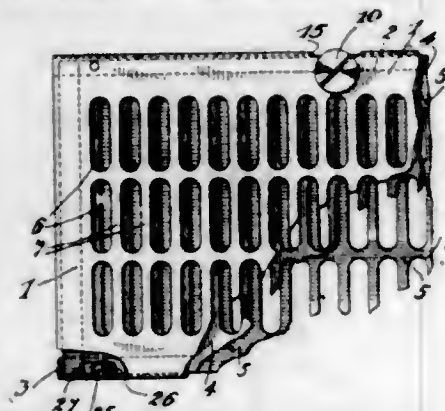
1. An apparatus of the character described, comprising a tank adapted to contain a liquid in which the patient's member or part to be treated may be immersed, one wall of said tank being transparent, and means attached to a wall of the tank below the normal level of liquid therein by which an operator on the exterior of the tank may grasp the patient's immersed member or part with his hand and manipulate it without the escapement of the immersing liquid and without wetting the clothing or person of the operator.

1,740,625. REFINING OF HYDROCARBON OILS. HARRY L. PELZER, Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y., a Corporation of Maine. Filed June 11, 1927. Serial No. 198,158. 6 Claims. (Cl. 196-55.)



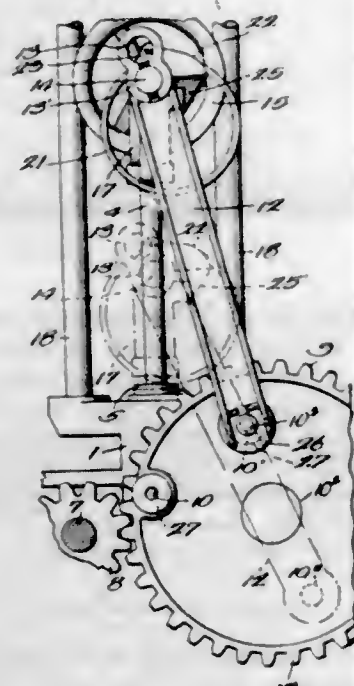
3. In cracking hydrocarbon oils by distillation under pressure while circulating the charge of oil undergoing cracking distillation downwardly through a bed of finely divided absorbent or filtering material, the improvement which comprises maintaining above and below the main body of absorbent or filtering material in the bed layers of the absorbent or filtering material of coarser average particle size than that of the main body of absorbent or filtering material.

1,740,626. SLIDING REGISTER. JOSEPH V. PETRELLI, New Rochelle, N. Y. Filed May 31, 1928. Serial No. 281,638. 4 Claims. (Cl. 98—101.)



1. A register or damper comprising two movable plates and a relatively fixed plate, all having septums located between relatively wide openings, an operating shaft revolvably mounted in the fixed plate, a knob on one end thereof, a disc at the other end of the shaft, and pins on the disc engaging in slots of the respective movable plates.

1,740,627. MOTION-TRANSMITTING MECHANISM. DANIEL R. SCHOLES, Chicago, Ill., assignor to Aeromotor Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1928. Serial No. 246,781. 8 Claims. (Cl. 184—4.)

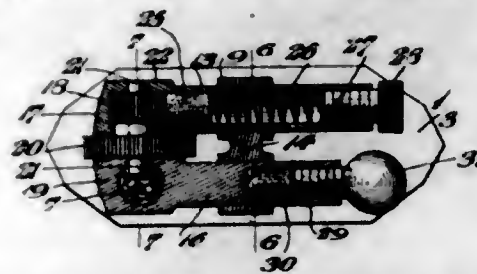


8. Lubricating mechanism including a member in the form of a wheel; a pitman, said wheel and pitman having means for connecting one end of the pitman at two places spaced unequally from the axis of rotation of the wheel; a reciprocable member connected with the other end of the pitman; a ring loosely carried at the other end of the pitman and bodily moved thereby, said ring being engageable with a portion of said wheel to turn the ring; and means for supplying such wheel portion with lubricant whereby lubricant is transferred to the ring, one end of the pitman having two portions, spaced along the pitman, for alternative connection with one of said members, to maintain the ring engageable with the wheel when the place of connection of the pitman and wheel is altered.

1,740,628. LIGHTER. HENRY SHAPIRO, Philadelphia, Pa. Filed Feb. 13, 1928. Serial No. 253,977. 10 Claims. (Cl. 67—7.1.)

3. In a lighter of the character stated, a fuel reservoir, a pivot bracket carried on top of the reservoir, having its

upper end bifurcated so as to form a pair of pivot plates, an elongated tubular flint holder extending through said pivot plates and journaled therein, an arm carried upon and fixedly secured to said flint holder intermediate of said pivot plates, an extinguisher bar rigidly carried by the free end of said arm, substantially parallel to said flint holder, a pivot extending between the juxtaposed ends of said flint



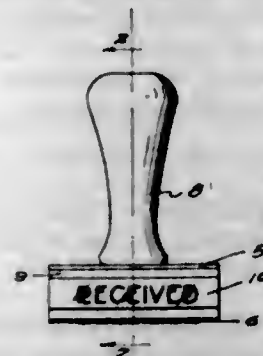
holder and said extinguisher bar and having its two ends supported thereby, respectively, an abrasive wheel and a thumb wheel carried by said pivot, a spring pressed flint with said flint holder in operative contact with said abrasive wheel, and a spring pressed plunger within said pivot bracket bearing against the pivoted end of said arm, thereby to retain the arm either in the operative or inoperative positions thereof at a right angle to each other.

1,740,629. CASH REGISTER. BERNIS M. SHIPLEY, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Original application filed Sept. 12, 1923, Serial No. 662,207. Divided and this application filed June 20, 1927. Serial No. 200,056. 2 Claims. (Cl. 235—27.)



1. In a machine of the class described, the combination of a plurality of banks of keys, a plurality of detents one associated with each bank of keys, and adapted to co-operate with the keys and hold said keys, when depressed, in their depressed positions, pawls operatively connected to said detents, and adapted to be moved thereby, a rod common to all of said pawls, a release key in one of said banks of keys, and a releasing bar operated by said release key to actuate said rod and release all of said first mentioned keys.

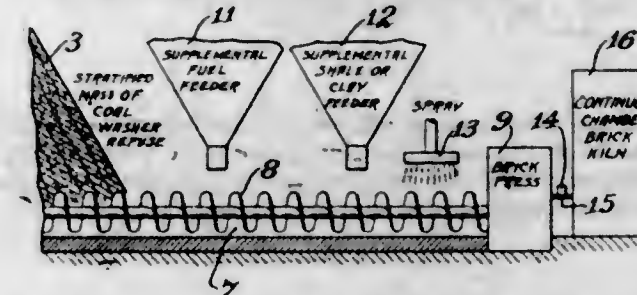
1,740,630. LABEL MOUNTING FOR STAMPS. ALBERT K. SMITH, Jr., Los Angeles, Calif., assignor to Chilpron Stamp Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 13, 1927. Serial No. 219,208. 1 Claim. (Cl. 40—16.)



A mount of the character described comprising a body having a slot extending thereinto, a label holder of trans-

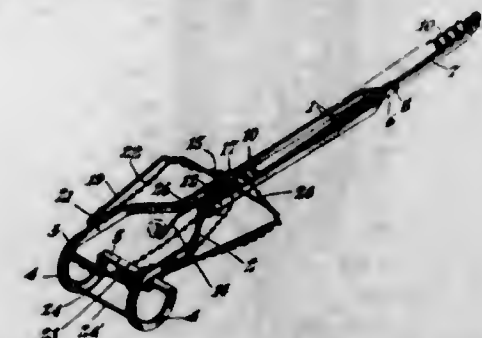
parent material consisting of a single imperforate sheet of said material folded upon itself to form a T with a cross member having an open channel to receive a label removable and replaceable endwise thereof and a leg disposed in said slot, there being adhesive securing said leg to the walls of said slot, the head of said T lying flush against said body.

1,740,631. PROCESS FOR THE MANUFACTURE OF POROUS BRICK AND THE LIKE. HENRY A. STOCKMAR, Birmingham, Ala. Filed June 20, 1927. Serial No. 199,916. 3 Claims. (Cl. 25—156.)



1. The process for the manufacture of porous or light weight brick or tile, which consists in using the refuse of coal washeries containing brick making material and a variable amount of fuel, bringing the fuel percentage in the refuse to the average required for forming bricks, forming the bricks, and burning them by their own fuel content.

1,740,632. ANIMAL TRAP. ALBERT WALTNER, Brooklyn, N. Y. Filed May 14, 1928. Serial No. 277,498. 6 Claims. (Cl. 43—87.)



1. The combination in an animal trap having a frame, of a bait holding member, fixed means to engage the throat of an animal attacking the bait, a looped chain, means for throwing said chain vertically over and upon the neck of said animal to co-act with said fixed means for breaking said animal's neck, a spring to actuate said chain and means for setting said bait member, said setting means controlling said spring and chain throwing means.

1,740,633. RUBBER HEEL AND METHOD OF MAKING THE SAME. WILLIAM BUNTON WESCOTT, Dover, Mass., assignor to Rubber Latex Research Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 28, 1924. Serial No. 702,549. 6 Claims. (Cl. 18—59.)

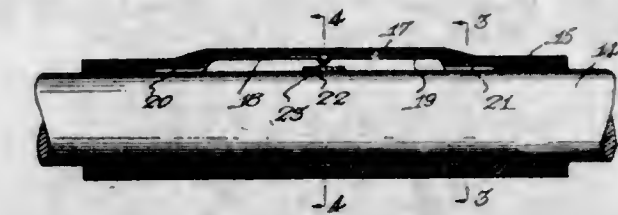


2. A rubber heel consisting of top and bottom layers and an intermediate layer of rubber latex impregnated fibre bat having nail washers secured therein, the whole being vulcanized into an integral heel.

1,740,634. VEHICLE INDICATOR SWITCH. JULES L. WETTLAUFER, Belmont, Mass. Filed July 19, 1927. Serial No. 206,888. 3 Claims. (Cl. 200—59.)

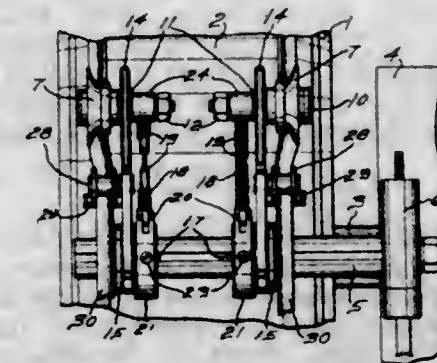
1. In combination with the steering wheel of a vehicle, an electric switch comprising an open rubber sleeve mem-

ber adapted to be applied to the rim of the steering wheel, a band of conducting material fixed therein, the sleeve member having associated therewith two spaced split metallic bands connected by a longitudinally extending strip of spring metal placed so that the first mentioned band is spaced substantially midway between the other two, the



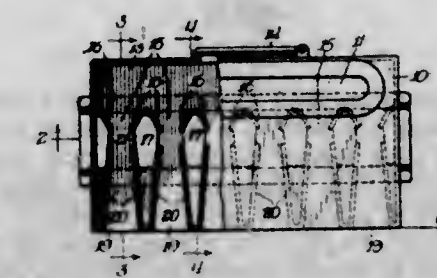
sleeve being held in position by fastening together the longitudinal edges thereof, an electric circuit, and means to connect one of the terminals of the circuit to the center band and the other to one of the end bands, the strip of spring metal contacting with the center band only when the rubber sleeve is gripped.

1,740,635. TIRE-BUILDING MACHINE. GEORGE F. WIKLE, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Sept. 6, 1927. Serial No. 217,593. 4 Claims. (Cl. 154—10.)



4. A device of the character described comprising a support adapted to be positioned adjacent the drum of a tire building machine, a pair of members carried by said support and adjustable therealong, an arm mounted for limited pivotal movement on each of said members, a fixed collar associated with each of said members, springs connecting the free ends of the arms and the respective collars at the dead center of the pivotal movement of the arms and bead setting rolls mounted for free rotation on the free ends of the arms.

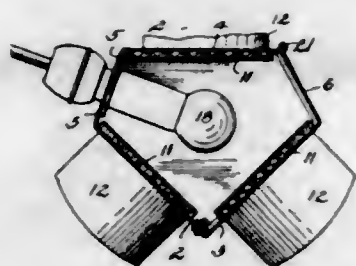
1,740,636. BURNER. FREDERICK H. WILLCOX, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 22, 1925. Serial No. 64,126. 5 Claims. (Cl. 158—118.)



1. A burner comprising a housing provided with a plurality of pairs of walls providing flaring passageways at the forward portion of said housing and having a like number of pairs of walls forming converging passageways leading to the passageways formed by said first-mentioned pairs of walls, said housing having inlet apertures communicating with the spaces between the walls of said first-mentioned pairs and with the spaces between the walls of said second-mentioned pairs, said housing having an aperture communicating with the space in rear of said second-mentioned pairs of walls, said first-mentioned pairs of walls

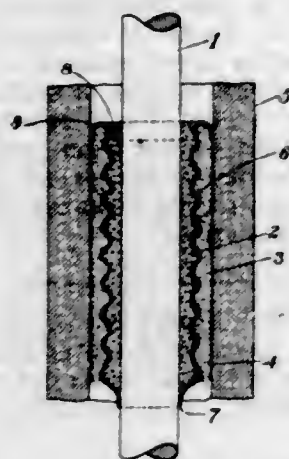
being spaced from said second-mentioned pairs of walls to provide access between said first-mentioned apertures and the space in rear of said second-mentioned pairs of walls.

1,740,637. VEHICLE SIGNAL LAMP. HORATIO W. WILSON, Washington C. H., Ohio. Filed Feb. 16, 1926. Serial No. 88,661. 1 Claim. (Cl. 177-329.)



A signal lamp of the character described comprising a casing pentagonal in section formed with three walls having windows and two opaque walls, one of said walls having windows being disposed at the rear of said casing, the other two walls having windows being disposed in converging relation at the front of said casing, lamps carried on the inner side of one opaque wall, said wall extending between one converging front wall and the rear wall and the other opaque wall disposed between the other converging front wall and the rear wall to make the casing symmetrical, said opaque wall and adjoining converging front wall being formed integral and hinged to said rear wall.

1,740,638. YIELDING JOINT FOR INSULATORS AND THE LIKE. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Aug. 11, 1924. Serial No. 731,500. 4 Claims. (Cl. 173-318.)

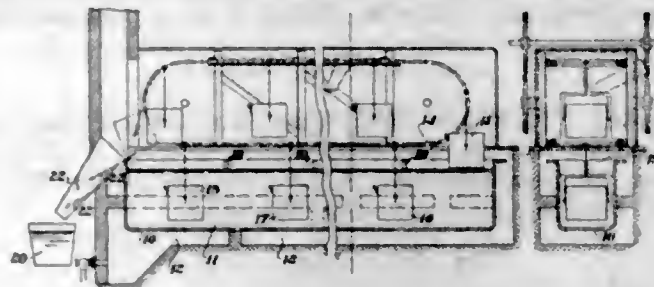


1. The combination with a conductor of a cork sleeve surrounding said conductor, a sheet metal sleeve surrounding said cork sleeve to compress said cork sleeve against said conductor, said metal sleeve being bent to provide an uneven surface, a dielectric member surrounding said metal sleeve and connecting material that sets when permitted to stand, interposed between said metal sleeve and dielectric member for securing said sleeve to said dielectric member.

1,740,639. COATING AND HEAT TREATING. ARTHUR O. AUSTIN, near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of Ohio. Filed May 25, 1925. Serial No. 32,709. 13 Claims. (Cl. 91-70.2.)

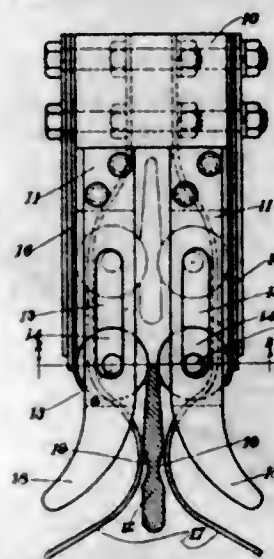
1. The method of imparting a protective coating to articles, comprising the steps of subjecting the articles to

melted coating material, the temperature of the melted coating material to which the articles are initially subjected, being only slightly above the melting point of said



coating material, and subsequently subjecting the articles to a bath of the same coating material at a temperature much higher than the temperature of the melted coating material to which the articles are initially subjected.

1,740,640. ELECTRIC SWITCH. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed May 25, 1925. Serial No. 32,718. 19 Claims. (Cl. 200-162.)



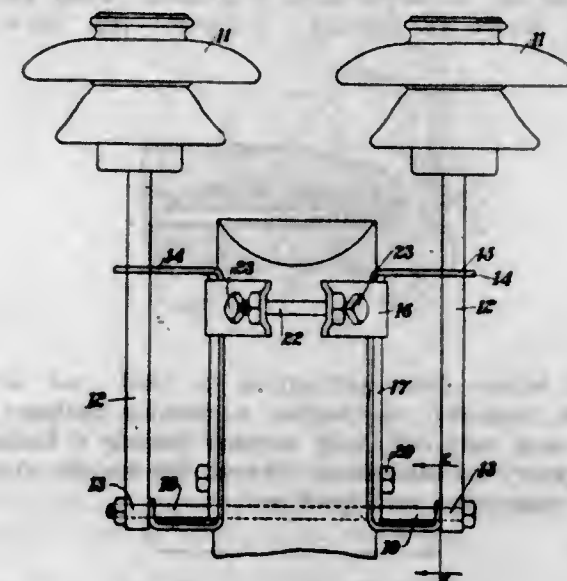
1. An electric switch having relatively movable switch members and roller contact means on one of said members for making rolling contact with the other of said members, said members being arranged to bear on substantially diametrical opposite sides of said roller contact means to provide electrical connection, said roller contact means having its axis of rotation freely movable relative to the member on which it is mounted in a direction parallel to the surface of said member.

1,740,641. POLE-TOP PIN FOR MULTIPLE CONSTRUCTION. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed July 2, 1926. Serial No. 120,093. 8 Claims. (Cl. 173-321.)

1. A pole top bracket comprising a plate, means for securing said plate to the side of a pole adjacent the top thereof, upper and lower arms on said plate projecting outwardly therefrom, a pin extending through an opening in the upper one of said arms, a bolt projecting rigidly from said pole and extending through an opening in said pin adjacent the lower one of said arm, said lower arm serving to space said pin away from said pole and an insulator carried by said pin above said pole.

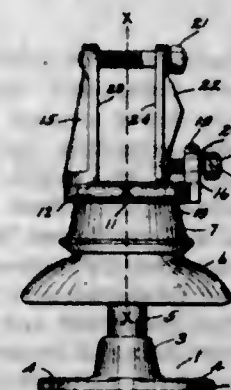
2. Means for supporting a pair of insulators at the top of a pole comprising pins arranged at opposite sides

of said pole, a bolt passing through said pins and through said pole, means for spacing said pins away from said pole and arms extending outwardly from said pole above said



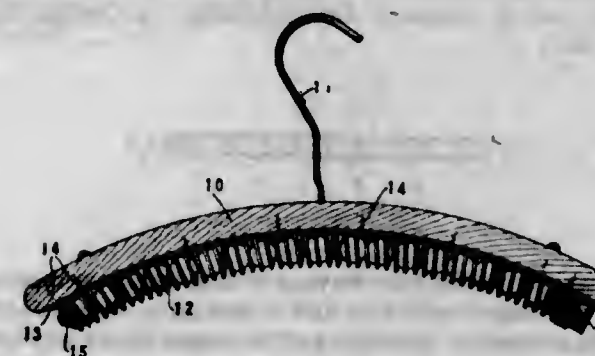
bolt, said arms having openings therethrough through which said pins extend and insulators mounted on said pins above the top of said pole.

1,740,642. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 9, 1927. Serial No. 288,916. 2 Claims. (Cl. 173-313.)



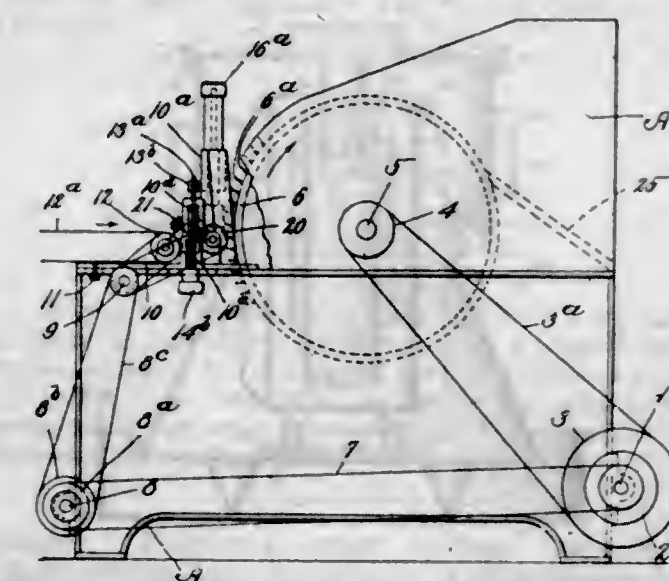
1. A bus bar support comprising a base, an insulator mounted on said base, a metallic fitting fixed to said insulator, said fitting having an externally threaded portion, an internally threaded split ring engaging the threaded portion of said fitting, means for clamping the portions of said split ring tightly upon the threaded portion of said fitting to hold said ring in fixed position on said fitting, and means carried by said split ring for clamping a bus bar thereto.

1,740,643. GARMENT HOLDER. RUBIN BASS, Brooklyn, N. Y. Filed Dec. 24, 1927. Serial No. 242,417. 3 Claims. (Cl. 223-64.)



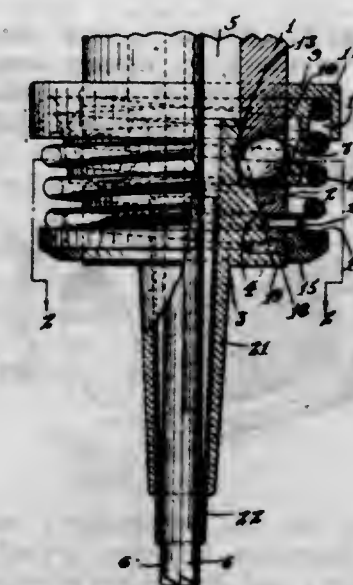
1. A garment hanger comprising a garment supporting form, a helical holder for moth balls and means for holding the turns of the helix in place on the form.

1,740,644. RAG-DISINTEGRATING MACHINE. EUGENE C. BROOKS, Springfield, Vt. Filed Nov. 22, 1926. Serial No. 149,909. 5 Claims. (Cl. 19-83.)



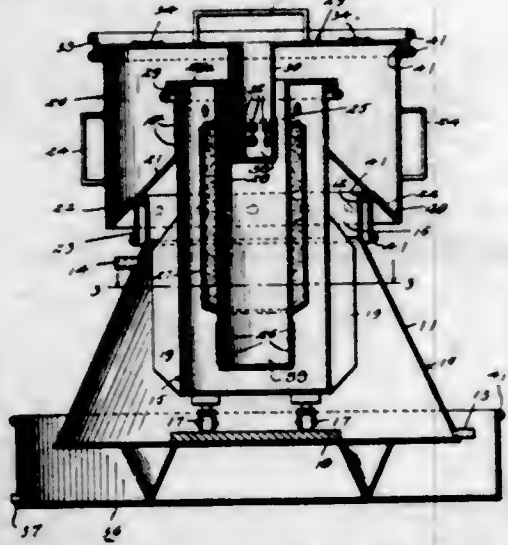
1. In a fabric disintegrating machine, the combination with a toothed picker drum, coacting nipper elements embracing a corrugated nipper roll and overhead non-rotating concave presser feet arranged to yieldingly press the entire interposed rag stock against the corrugated roll and in conjunction with said roll present said rag stock to the upwardly revolving teeth of the picker drum, and co-acting feeding rolls arranged in close proximity to said nipper elements to force a limited supply of rag stock into the nip of said nippers.

1,740,645. CHUCK. ARTHUR L. CURRIER, New Ipswich, N. H. Original application filed Oct. 8, 1926, Serial No. 140,371. Divided and this application filed Oct. 11, 1926. Serial No. 140,770. 2 Claims. (Cl. 279-75.)



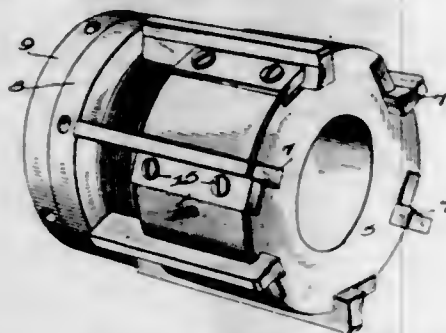
1. A chuck, comprising a rotating spindle having recesses therein, holding and locking balls in said recesses, a tapered tool holding spool having an annular groove in the tapered surface thereof, a stud on said spool adapted to align with a slot in said spindle to drive said spool with said spindle, a spring surrounding said spindle a relatively movable ring around said spindle having a groove therein to accommodate one portion of said spring, and a second ring affixed to said spindle and having a groove to accommodate the other end of said spring, said movable ring having a groove on its inner side normally disposed above said balls, said movable ring being depressable to bring said inner groove in the movable ring into alignment with the ball holding recesses to permit disengagement of said balls from the annular groove in said spool and to permit release of said spool from said spindle.

1,740,646. MILK-COOLING APPARATUS. JAMES RILEY DAVIS, Newport, Vt. Filed Aug. 4, 1928. Serial No. 297,488. 3 Claims. (Cl. 31-4.)



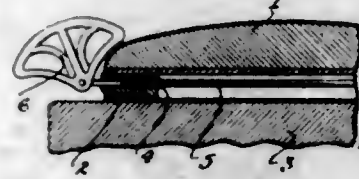
3. In fluid straining and cooling apparatus, a cooling element receptacle having an outer wall and an open top, an open topped chamber extending into the receptacle through the open top thereof and having outlets near its upper end, means combining with the upper end of the chamber to produce an outlet compartment upon the upper end thereof, said outlet compartment having outlet openings discharging the fluid against the upper end of the exterior wall of the receptacle, and a strainer extending into the chamber through the open top thereof to a point adjacent the lower end of the chamber, said strainer having outlets adjacent its lower end and having an open top whereby fluid may be introduced therethrough and admitted at the lower end of the chamber, said strainer having an exteriorly applied heat insulation extending from a point above the outlets thereof to a point adjacent the level of the outlets of the chamber.

1,740,647. REAMER. MARVIN C. DAW, East Cleveland, Ohio, assignor to The Kelly Reamer Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 18, 1926. Serial No. 129,941. 4 Claims. (Cl. 77-75.5.)



4. A reamer or the like comprising a body having a surface groove increasing in depth toward one end, a blade in said groove and having an outwardly and uniformly beveled surface at one side, the lower edge of such surface lying in a plane intersecting the plane of the bottom of said groove and the angle of which with respect to the axis of the body is less than the angle of the plane of the bottom of the groove with respect to the axis of the body, a fastening strip adapted to be forced into said groove and substantially co-extensive in length with said blade and shoulder, one edge of such strip engaging one groove wall and the other edge of said strip engaging the beveled surface of said blade, the engagement of said strip with said beveled surface tending to maintain the strip in the same horizontal plane with such beveled surface, and the blade against the bottom of said groove, and the sides of said blade including that portion between the bottom of the blade and the lower edge of said beveled shoulder being contiguous with the walls of said groove.

1,740,648. PLACEMENT FOR HEADRESTS FOR BARBER CHAIRS. JOHN R. EMMERT and WILLIAM GRIMMICH, Chicago, Ill., assignors to Emil J. Paldar Co., Chicago, Ill., a Corporation of Illinois. Filed July 16, 1928. Serial No. 293,234. 1 Claim. (Cl. 165-188.)



In a barber chair embodying a head rest with a shank, a seat rail, a cushion, a member between said cushion and seat rail, said member having a horizontal slot for receiving said shank between the cushion and seat rail for supporting said head rest.

1,740,649. WAFER PLATE. ADRIAN HEYBOER, Grand Rapids, Mich. Filed Feb. 4, 1929. Serial No. 337,232. 3 Claims. (Cl. 53-10.)

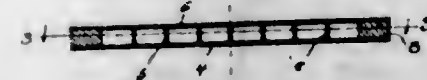


1. A device of the class described comprising hingedly connected complementary lower and upper plate members, the upper face of the lower member having a middle portion and an upwardly extending flange portion surrounding the middle portion, the middle portion having semi-cylindrical depressions spaced from each other and from the flange portion, and the lower face of the upper plate member having downwardly extending semi-cylindrical ribs nesting in the depressions of the lower plate member in spaced relation therefrom and the middle portions of the plate members being in spaced apart relation in the operative position of the plate members.

1,740,650. KNITTED ARTICLES OR FABRICS AND THE MANUFACTURE THEREOF. WILLIAM HEAP HOLLAND, Manchester, England. Filed Sept. 24, 1926. Serial No. 137,628, and in Great Britain Aug. 13, 1926. 11 Claims. (Cl. 66-202.)

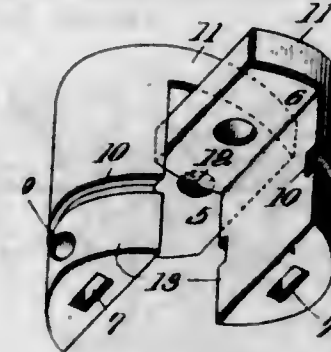
1. The process of making knitted fabrics consisting in interlooping a roving to knit a fabric composed of unspun fibers free from adhesives.

1,740,651. SOUND GENERATOR. ERNST HUNTER, Darmstadt, Germany. Filed Jan. 30, 1925. Serial No. 5,832, and in Germany Jan. 22, 1924. 2 Claims. (Cl. 181-32.)



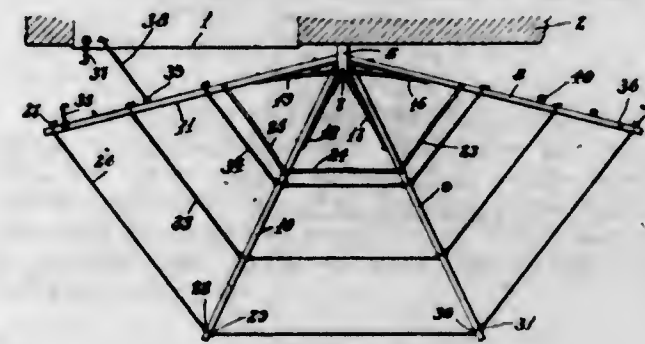
1. A sound reproducer having a diaphragm comprising a sheet of elastic material and a plurality of reinforcing members of porous material and a second sheet of elastic material secured to said reinforcing members in spaced relation to said first mentioned sheet and a rim member connecting the peripheries of each of said sheets and pre-determining the spacial relation thereof.

1,740,652. CONVENIENCE OUTLET. ROLAND T. HUGHES, Oak Park, Ill. Filed Oct. 10, 1927. Serial No. 225,173. 3 Claims. (Cl. 173-330.)



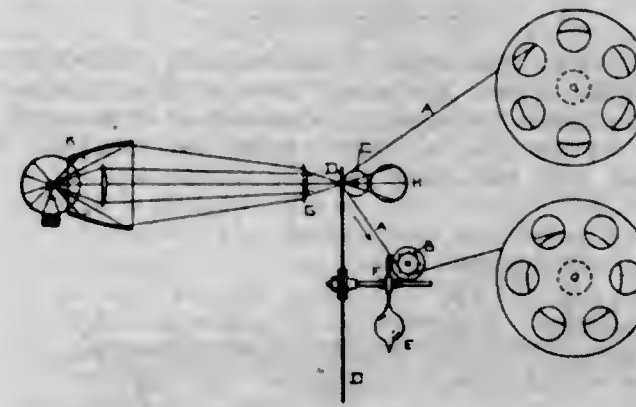
1. A convenience outlet comprising a plurality of socket members, a contact carried by each of said members, means for detachably connecting said members, said socket members being provided with grooves adapted for the reception of the knockout of an outlet box.

1,740,653. DRIER. CARLETON HUNNEMAN, Jr., Brookline, Mass. Filed May 14, 1928. Serial No. 277,411. 5 Claims. (Cl. 211-104.)



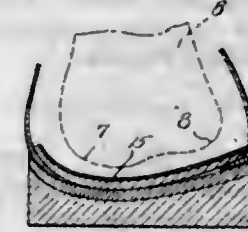
3. A device of the character described comprising a plurality of at least three independently-movable pivoted arms, said arms being parallel in a horizontal plane when in closed position; a line extending from each arm to the adjacent arm; and means to hold desired adjacent arms in open position with the line between them taut even when the other arm or arms are in folded position.

1,740,654. CONTACT SCANNING DISK. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation of the District of Columbia. Filed Nov. 5, 1928. Serial No. 317,286. 10 Claims. (Cl. 178-6.)



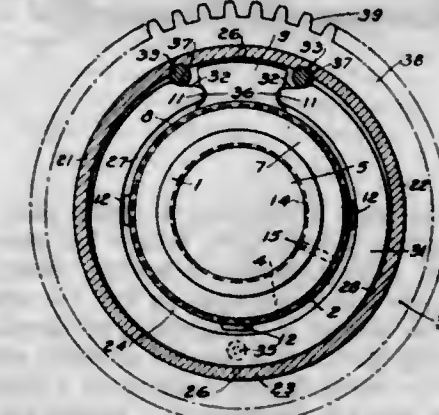
1. In a mechanism of the class described, the combination of a motion picture film in constant forward movement; a disk having apertures therein arranged to scan said film; means for holding the film in approximate contact with the scanning disk; means for maintaining a definite relative movement of film and disk, and means for illuminating said disk with a concentrated line of light.

1,740,655. SHOE HEEL. PAUL JONES, Whitman, Mass., assignor to Commonwealth Shoe & Leather Company, Whitman, Mass., a Corporation of Massachusetts. Filed Feb. 23, 1929. Serial No. 341,892. 3 Claims. (Cl. 36-34.)



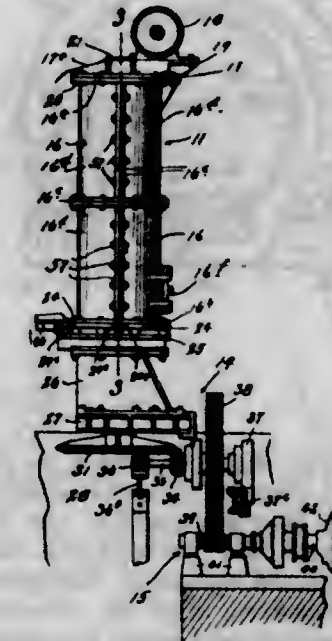
1. A shoe heel comprising a plurality of lifts, the upper lift being of unsymmetrical thickness, in a transverse direction, adjacent to its forward edge and adapted to impart to the upper surface of the heel a concavity closely corresponding to the unsymmetrical convexity of the calcaneum bone of the foot.

1,740,656. FLEXIBLE GEAR WHEEL. GUSTAV H. KOCH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 1, 1928. Serial No. 251,041. 10 Claims. (Cl. 74-29.)



1. A gear element comprising a hub, a rim carried by the hub, lugs on the hub and on the rim and a spring member for transmitting torque between the hub and the rim said spring member having bearing surfaces at its ends for engaging the lugs, the bearing surfaces being so shaped that they are disposed to engage and disengage the lugs on the rim and the hub without appreciable sliding contact.

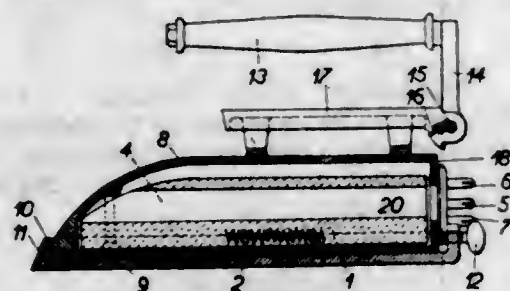
1,740,657. FLUXER. GUSTAV KOMAREK, Chicago, Ill., assignor to Komarek-Greaves and Company, Chicago, Ill., a Corporation of Illinois. Filed July 16, 1928. Serial No. 293,230. 34 Claims. (Cl. 259-9.)



1. A fluxer for briquetting material comprising a vertically disposed mixing chamber having its walls provided

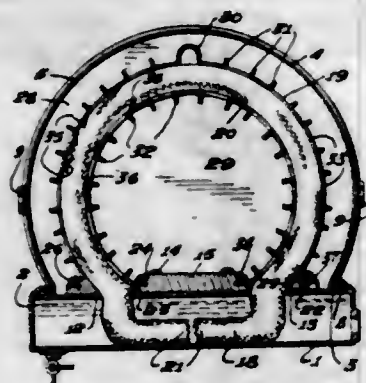
with a series of spaced vertically disposed recesses opening into said chamber, a plurality of revoluble shafts vertically disposed in said chamber, stirring arms fixed to said shafts and operable in horizontal planes, and a vertically disposed stand pipe arranged in each recess beyond the paths of said arms, each of said pipes having a plurality of discharge openings presented into said chamber for discharging steam thereinto.

1,740,658. PRESSING IRON. BOHUMIL KRAUPNER, Roudnice, Czechoslovakia. Filed July 11, 1927, Serial No. 204,807, and in Czechoslovakia Nov. 17, 1926. 4 Claims. (Cl. 219-25.)



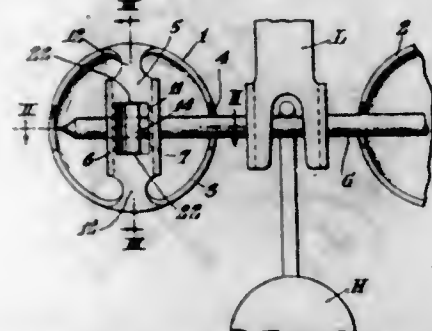
2. A pressing iron comprising a lower part provided with a flat surface, a body part, means for removably securing the two parts together, a heating element in the body part provided with an opening for the insertion of an article to be heated, a corresponding opening in the wall of the body part, and a handle movably mounted on the body part to serve in one position as a handle when ironing and in another position as a handle for the iron when used as a heating appliance otherwise than for ironing.

1,740,659. NEW TYPE OF ELECTROLYTIC CELL. RALPH L. MACDONALD, Niagara Falls, N. Y. Filed Mar. 30, 1928. Serial No. 265,927. 7 Claims. (Cl. 204-5.)



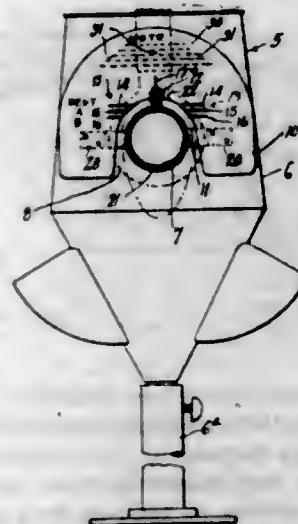
5. An electrolytic cell comprising a closed reservoir for containing an electrolyte, a casing mounted upon the container, spaced electrodes within the casing mounted upon said reservoir and dividing the casing into non communicating gas compartments, the space between said electrodes communicating with the interior of the reservoir and means within said space for conveying the electrolyte between said electrodes.

1,740,660. DOLL EYES. SAMUEL MARCUS, Brooklyn, N. Y., assignor to Markon Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 26, 1927. Serial No. 215,596. 21 Claims. (Cl. 46-40.)



1. In an eye set, an eye shell part, a supporting part therefor, one of said parts having spaced bearing apertures through which a portion of the other part extends, and a connector member carried by one of said parts intermediate the spaced bearing apertures of the other part to hold said parts assembled.

1,740,661. EGG-CANDLING DEVICE. MICHAEL MAX MAUER, New York, N. Y. Filed Feb. 2, 1929. Serial No. 337,145. 4 Claims. (Cl. 99-6.)



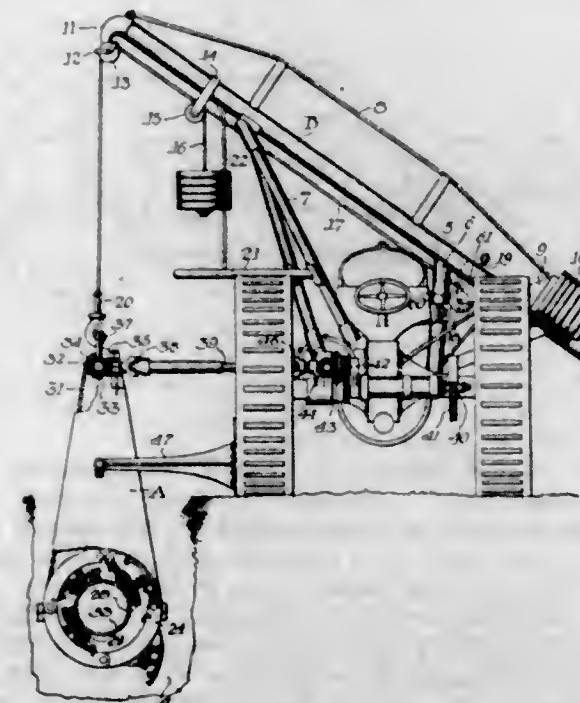
3. In a device of the nature described having a candling lamp provided with a light directing tube, an air cell depth gage plate having an egg admitting cutout therein, a clamping ring adapted to be secured to the tube and brackets on the said ring secured to the plate to space the plate a sufficient distance from the end of the tube to permit the proper locating of an egg in the said cutout, and means on the ring and tube for locating the said plate in a predetermined position on the lamp.

1,740,662. MACHINE FOR MAKING COMPOSITE SHEETS. LOUIS MCCARTHY, Boston, Mass., assignor to The Macallen Company, a Corporation of Massachusetts. Filed Nov. 4, 1926. Serial No. 146,176. 7 Claims. (Cl. 154-2.5.)



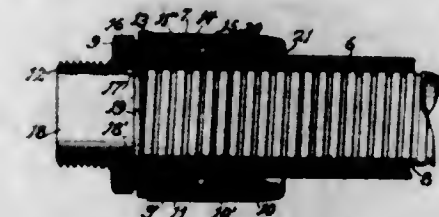
3. In a machine for forming composite sheets by the use of an adhesive binder, a bed, a flexible belt normally overlying said bed and having an operative portion on which said sheets are formed, and winding means for drawing said belt over said bed, said belt having an extension of approximately the length of the operative portion thereof and cooperating with said winding means.

1,740,663. TRACTOR ATTACHMENT FOR PIPE CLEANERS. FRED McMANIS, Houston, Tex., assignor to W-K-M Company, Houston, Tex., a Corporation of Texas. Filed May 6, 1927. Serial No. 189,283. 17 Claims. (Cl. 15-88.)



6. A cleaner for the outside of pipe lines including a frame, a cleaning element in said frame adapted to engage the outer surface of the pipe, means including a vehicle adapted to travel at the side of the pipe to support said frame and cleaning element while said element is operated, and means to move said cleaning element along said pipe line.

1,740,664. TUBE COUPLING. KARL O. MUEHLBERG, Manitowac, Wis. Filed June 12, 1925. Serial No. 36,683. 3 Claims. (Cl. 285-87.)



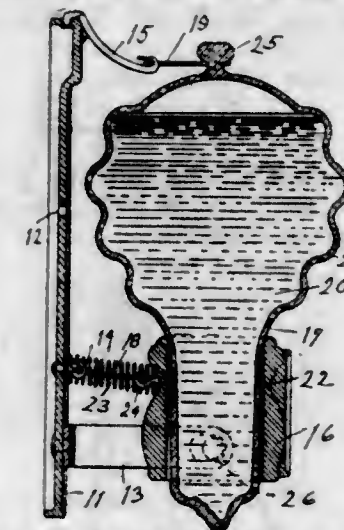
1. A tube coupling, comprising an inner coupling attaching member having a medial straight bore portion and tapered end portions thereto of different diameters and also having an annular recess adjacent the inner end taper of less diameter, a packing ring positioned within the annular recess, a split annular clamping member positioned within the attaching member and engageable with the tapered portion of larger diameter, said tapered portion of smaller diameter devised to be sealingly engaged by the end portion of the flexible tube upon which the coupling is mounted, and an outer tubular coupling member surrounding said flexible tube and having a threaded connection with the inner coupling member and also having an inner shoulder engageable with the edge portion of the clamping member for forcing said clamping member into engagement with the tapered portion of larger diameter and also into the straight portion of the bore of the inner coupling member.

1,740,665. FIRE EXTINGUISHER. COOPER CHRISTOPHER MUNSON, Los Angeles, Calif. Filed Dec. 26, 1928. Serial No. 328,382. 6 Claims. (Cl. 169-26.)

1. In a fire extinguisher, the combination with a supporting member adapted to be secured to a wall, of a spring bracket member extending from the supporting

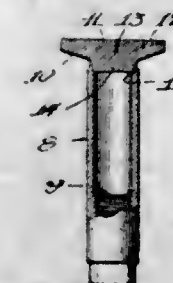
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member, a socket pivotally mounted in the extremities of the spring bracket member, a fuse connected to the supporting member and to the socket, a coiled spring



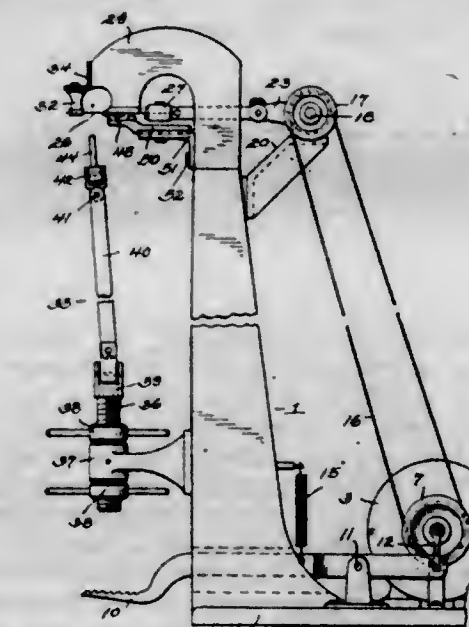
urging the socket member against the retaining influence of the fuse, and a fragile container filled with an extinguishing fluid releasably mounted in the socket.

1,740,666. COMPOSITE-METAL VALVE TAPPET. GEORGE R. RICH, Battle Creek, Mich., assignor to Wilcox-Rich Corporation, Detroit, Mich., a Corporation of Michigan. Original application filed Oct. 8, 1927, Serial No. 224,999. Divided and this application filed Oct. 31, 1928. Serial No. 316,335. 2 Claims. (Cl. 123-90.)



1. A composite metal article of manufacture comprising a thin shelled hollow steel shank having a steel head portion on one end and a relatively thick internally threaded wall at its other end, and a cast iron plug contained in the hollow of the headed end of said shank and having an iron portion extending over said steel head portion and integrally united therewith.

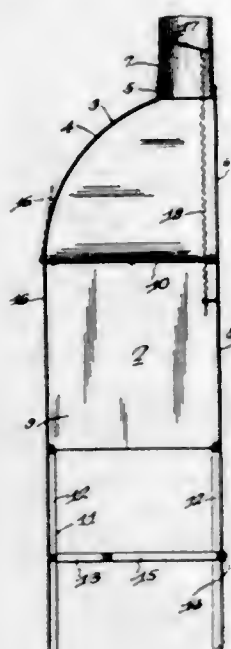
1,740,667. HEEL-SEAT-TRIMMING MACHINE. ALBERT C. ROGGE and HIRAM GORDON, Columbus, Ohio. Filed Sept. 19, 1928. Serial No. 306,884. 9 Claims. (Cl. 12-17.)



1. A heel seat trimming machine comprising a frame formed to include a pair of spaced horizontally disposed

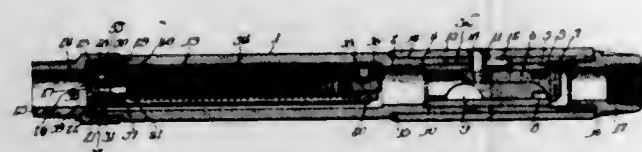
guides, a cutting blade slidably mounted in said guides, power driven means connected with said blade for effecting the reciprocation thereof, a sole engaging guide arranged beneath said blade, and an adjustable shoe supporting jack carried in connection with said frame and disposed beneath the cutting blade.

1,740,668. STOVE INCLOSURE. ANTON SCHIERER, Hinsdale, Ill. Filed May 3, 1928. Serial No. 274,947. 1 Claim. (Cl. 126—302.)



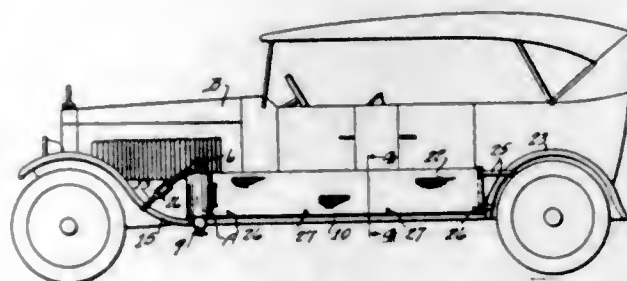
In an inclosure of the class described, a supporting frame having horizontal flanges thereon, a body portion open at one side and having internal flanges at its upper and lower edges with the flanges on the lower edges resting on and secured to the flanges on the frame, a dome part having arcuate front and end walls and a vertical back wall all terminating into a draft opening, intumed flanges on the lower edge of the dome part resting and secured to the flanges at the upper edge of the body, and a guard plate pivotally suspended from the lower edge of the dome part and adapted to be extended over a portion of the open side of the body.

1,740,669. GOVERNOR FOR PRESSURE-FLUID-OPERATED TOOLS. ERNEST H. SHAFER, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Feb. 5, 1926. Serial No. 86,145. 9 Claims. (Cl. 137—153.)



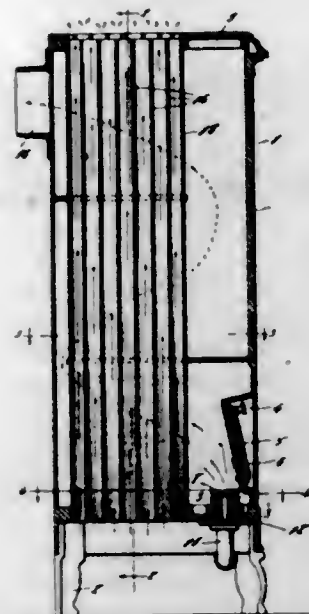
5. A governing device comprising, in combination, a tubular casing closed at one end and of a diameter adapted to be inserted in and to define a portion of the pressure fluid supply passage in a handle for pressure fluid operated tools, said casing having adjacent its open end, a side wall port and an internal annular groove connecting with said port, a cup shaped valve, freely slidable longitudinally within said casing across said groove, means to actuate said valve comprising a sealed compressible metallic device disposed within said casing with one end secured thereto and the opposite end carrying said valve, and means to adjust the normal position of said valve relative to said port.

1,740,670. LUGGAGE RETAINER. MERT C. SKAGGS and CYRUS MALLETT, Crocker, Mo. Filed Jan. 30, 1928. Serial No. 250,464. 1 Claim. (Cl. 224—29.)



In a luggage-retainer, a strip of flexible-canvas, said strip being adapted to operatively extend vertically along the running-board of an automobile, a strip-housing shell, means having connection with the shell and with an end of the strip for winding the strip to inoperatively reside within the shell, means for detachably securing the shell to the automobile, a hook on the free end of the strip for detachably engaging the automobile when the strip is in operative position, and a foldable flap-extension on the strip adapted for projection over the retained luggage when the strip is in operative position.

1,740,671. HEATER. JACOB TELLER, Nashville, Tenn., assignor of one-half to William A. Griswold, Nashville, Tenn. Filed Feb. 12, 1929. Serial No. 339,360. 2 Claims. (Cl. 126—90.)



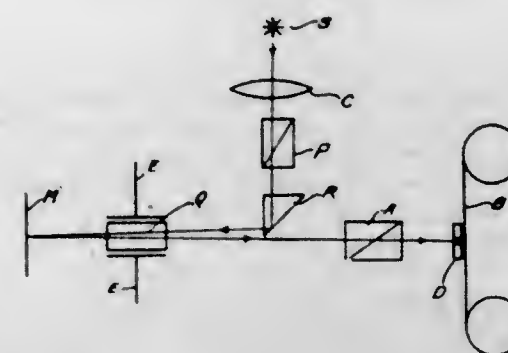
1. A heater comprising a casing having a door-supporting portion extending inwardly and upwardly at an inclination to the bottom of the casing, air flues extending longitudinally through said casing and spaced from said door supporting portion, a gas burner within the space between the said flues and said door supporting portion, and a door unit of radiant tiles mounted in said door supporting portion and adapted when in closed position to provide an inclined reflector above the burner.

1,740,672. LATCH FOR LOCKERS. PAUL VIGNOS, Canton, Ohio, assignor to Berger Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 10, 1928. Serial No. 318,470. 18 Claims. (Cl. 312—193.)



1. In a locker having a plurality of compartments and doors therefor, one of said doors being provided with a hook, means operable by the closing of one of the other doors to engage said hook.

1,740,673. LIGHT-CONTROLLING MEANS. ALFRED WHITAKER, West Drayton, and CECIL OSWALD BROWNE, Baling Common, England, assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Dec. 15, 1928. Serial No. 326,272. and in Great Britain Dec. 9, 1927. 4 Claims. (Cl. 88—61.)



2. Apparatus for controlling the intensity of a beam of light in accordance with electrical variations comprising a light source, a polarizing device, an analyzing device, a controlling device subjected to said electrical variations and interposed in the path of light from said polarizing device, said controlling device having dispersive characteristics, and means for reflecting light from said controlling device back through the same in the opposite direction and to said analyzing device.

1,740,674. SIGN. JOHN DOUGLAS WHITE, Wichita Falls, Tex. Filed Mar. 8, 1929. Serial No. 345,872. 4 Claims. (Cl. 40—137.)

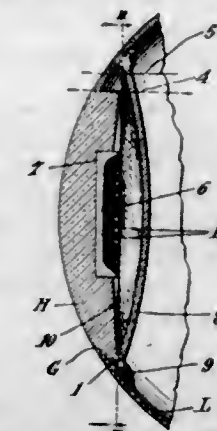
1. In a device of the character described, comprising an open frame of polygonal configuration formed of upper, lower and side rails secured together in fixed relation, a panel coextensive with the opening of the frame and detachably seated interiorly of the inner edges of the rails intermediate the inner and outer faces thereof, spaced flat slats detachably mounted edgewise in the frame at right angles to the panel and extending from the upper to the lower rails, said slats seated interiorly of the inner edges of the

upper and lower rails intermediate the inner and outer faces thereof, printed matter on the other face of said panel and on the opposite sides of the slats so as to present



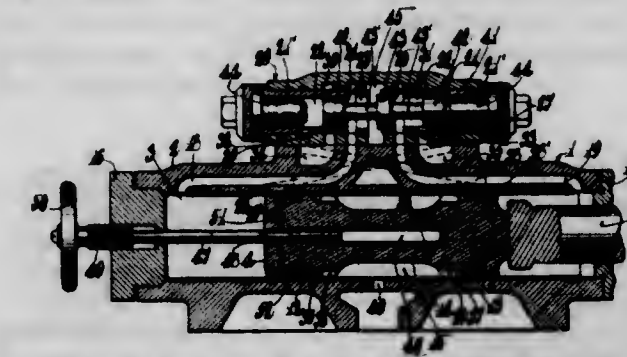
three different perspectives at an angle of approach, the angle of withdrawal and on a perpendicular line with said frame.

1,740,675. ARTIFICIAL EYES. JOHN H. WILHELM, Long Island, N. Y., assignor to Markon Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 10, 1928. Serial No. 253,286. 8 Claims. (Cl. 46—40.)



1. An artificial eye comprising a body member of general spherical shape having an opening therethrough in the position for an iris, iris forming means visible through said opening comprising a lens member and a backing member, the lens member having a marginal edge portion resting against rearwardly facing surface of the body, and the backing member being positioned behind the lens and having its marginal edge portion fixed to the body and engaging the lens whereby the backing member serves to retain the lens in position against said rearwardly facing surface of the body.

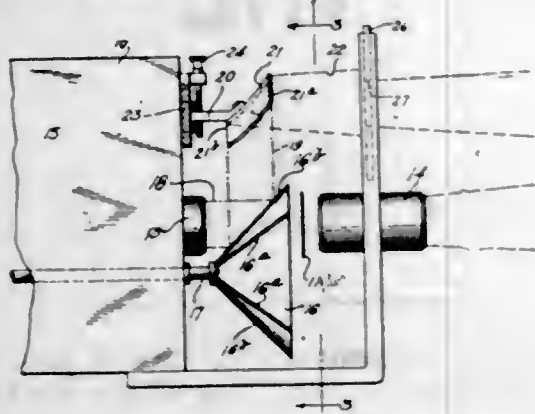
1,740,676. FLUID-PRESSURE MOTOR. JOHN L. BARTLSON, Claremont, N. H., assignor to Sullivan Machinery Corporation, a Corporation of Massachusetts. Filed Dec. 17, 1923. Serial No. 681,147. 17 Claims. (Cl. 121—12.)



1. In a pressure fluid motor, a cylinder, a piston reciprocable therein, distribution passages leading to said cyl-

inder, a valve controlling said passages, reverse ports leading from the opposite ends of said cylinder to the opposite ends of said valve and each having a fixed inlet, and means to vary the point of admission of pressure fluid from one end of said cylinder to one of said reverse port inlets.

1,740,677. MOVING-PICTURE APPARATUS. ROBERT S. BLAIR, Stamford, Conn. Filed Aug. 29, 1924. Serial No. 734,856. 8 Claims. (Cl. 88-18.)



1. In motion picture apparatus, in combination, a film, a screen, a source of light, means adapted to project rays from said source of light through said film to said screen, means interposed between said source of light and said film adapted intermittently to interrupt said rays and divert them from said film, and means adapted to direct the rays thus diverted to said screen by a path exterior of said film.

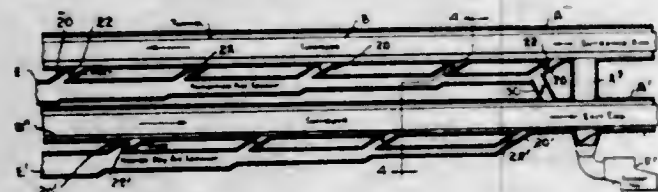
1,740,678. ALLOY. WILHELM BORCHERS, Aachen, Germany, and ROBERT WICKERSHAM STIMSON, New York, N. Y.; said Borchers assignor to said Stimson. Filed Apr. 14, 1924. Serial No. 706,540, and in Great Britain Apr. 24, 1923. 13 Claims. (Cl. 75-45.)

1. In the manufacture of alloys, of all descriptions in which any number of the metals chromium, molybdenum and uranium is or are contained, by a process wherein the element iron and the alloying elements are admixed, the step of purifying a crude alloy with an oxygenous aggregate of artificial mineral matter that contains any number of the metals chromium, molybdenum and uranium.

1,740,679. ALLOY. WILHELM BORCHERS, Aachen, Germany, and ROBERT WICKERSHAM STIMSON, New York, N. Y.; said Borchers assignor to said Stimson. Filed Apr. 14, 1924. Serial No. 706,541, and in Great Britain Apr. 27, 1923. 9 Claims. (Cl. 75-45.)

4. A process of manufacturing ferruginous alloys, which comprehends mixing any number of ores and by-products, containing any number of the elements chromium, molybdenum and uranium, with calcareous matter; then heating the mixture in the presence of free oxygen and thereafter smelting the basic, oxidated product in the presence of a reducing agent.

1,740,680. DRYING APPARATUS. MORRIS U. BURNHAM, Cincinnati, Ohio, and GEORGE M. ARGABRITE and ARTHUR A. DIONNE, Chicago, Ill., assignors to The Alvey-Ferguson Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 20, 1925. Serial No. 10,577. 27 Claims. (Cl. 34-12.)



1. A leather drying apparatus comprising drying portions; means for conveying the articles to be dried through

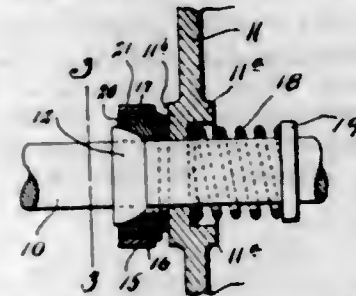
said drying portions, successively; and means for inducing in one of said drying portions a current of rapidly flowing humidified heated air whose temperature at the ends of said portion is lower than that at the intermediate part thereof and for inducing in the other drying portion a current of rapidly flowing heated substantially dry air.

1,740,681. DRYING METHOD. MORRIS U. BURNHAM, Cincinnati, Ohio, and GEORGE M. ARGABRITE and ARTHUR A. DIONNE, Chicago, Ill., assignors to The Alvey-Ferguson Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 20, 1925. Serial No. 10,578. 26 Claims. (Cl. 34-24.)



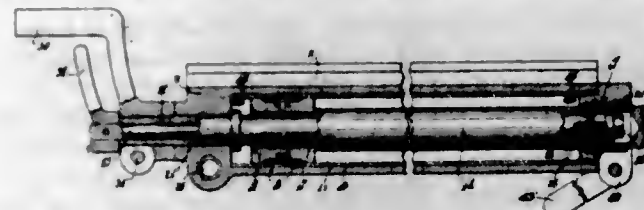
1. A drying process which comprehends the creation within a drier of a zone of rapidly flowing heated humidified air whose temperature at both ends of the zone is lower than that between said ends and the movement of the article to be dried through said zone.

1,740,682. SHAFT SEAL. JOHN O. CARREY, St. Louis, Mo., assignor to C. & C. Engineering Co., Inc., St. Louis, Mo., a Corporation of Missouri. Filed July 3, 1926. Serial No. 120,463. 14 Claims. (Cl. 286-7.)



7. A shaft seal comprising a revolvable shaft, an eccentric member fixed to said shaft and revolvable therewith, a fixed wall member having an opening through which said shaft projects outwardly, and a floating member disposed on said shaft between said eccentric member and said fixed member and having lapping sealing surface contact with said members.

1,740,683. FEEDING APPARATUS. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 12, 1920. Serial No. 395,727. 14 Claims. (Cl. 121-9.)

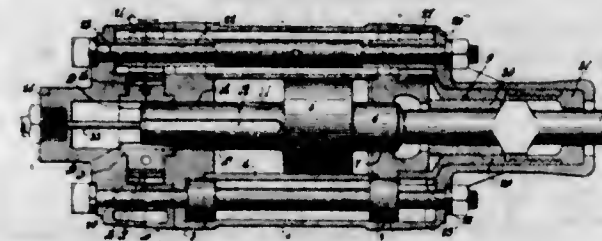


1. In combination with work performing means, pressure fluid actuated feeding means and manually operable feeding means for said work performing means, control means for each of said feeding means, and means for preventing simultaneous effective operation of both said control means, said latter means comprising a fluid actuated interlocking connection cooperating with one of said control means.

1,740,684. ROCK DRILL. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 19, 1921. Serial No. 38,532. 2 Claims. (Cl. 121-7.)

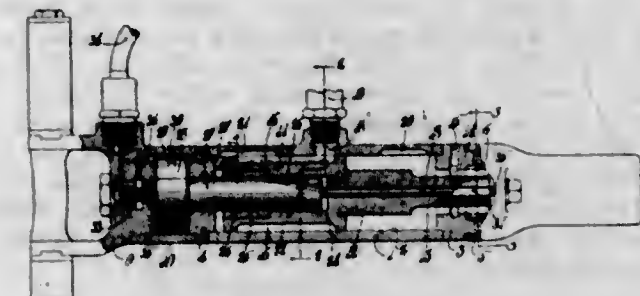
1. In a rock drill, in combination, a cylinder, a piston reciprocable in said cylinder, front and rear heads for said

cylinder, side rods connecting the heads, a pawl carrier housed in said rear head, a spur gear having ratchet teeth formed upon the interior thereof and cooperating with said pawl carrier, a tail rod upon said piston having straight and spiral grooves formed therein and cooperating with said pawl carrier and constituting the sole ac-



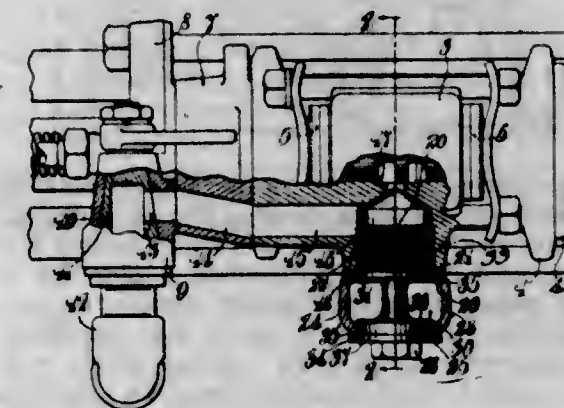
tuating means therefor, mechanism intermeshing with said spur gear and carried by a slide rod for transmitting rotation from the rear end of said cylinder to the forward end thereof, and a chuck member disposed in the front head of said cylinder and rotatable by said transmission mechanism.

1,740,685. EXPANSIBLE CHAMBER MOTOR. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 29, 1921. Serial No. 481,425. 17 Claims. (Cl. 121-6.)



1. In a rock drill, a cylinder, a piston reciprocable therein on admission of motive fluid thereto, means for imparting angular movement to said piston during reciprocation thereof, fluid supply and distribution means for said cylinder including fluid conducting passages formed in said piston, exhaust means for said cylinder with which said fluid conducting passages are communicable during movements of said piston, and passage forming means traversed by said fluid conducting passages upon angular movement of said piston for conducting live fluid to a drilled hole.

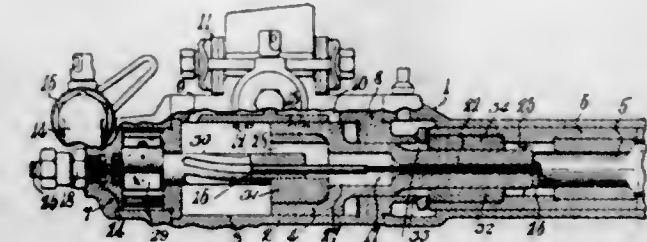
1,740,686. DRILLING MOTOR. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 23, 1923. Serial No. 653,103. 5 Claims. (Cl. 184-55.)



1. In a motor lubrication system, a motor body member containing a chamber in which a fluctuation in pres-

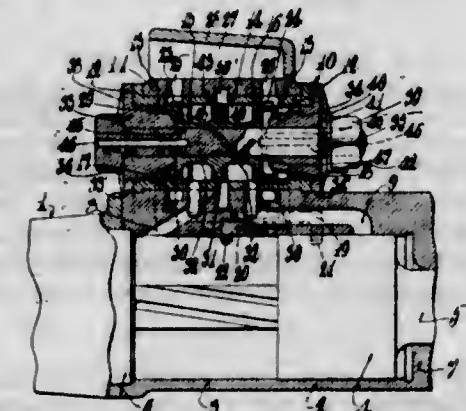
sure occurs as the motor runs, said body member having an internally threaded recess communicating with said chamber and an adjacent smaller recess also communicating with said chamber, and means for supplying lubricant to said chamber comprising a lubricant reservoir and a lubricator, the former held in position by said threads and the latter projecting into said smaller recess.

1,740,687. DRILLING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 13, 1923. Serial No. 680,523. 12 Claims. (Cl. 121-6.)



1. In a drilling mechanism, a cylinder, a piston reciprocable therein, a liquid tube and a pressure fluid conducting tube for supplying cleansing fluid to a bore in a drill steel independently of the supply of piston actuating fluid to the cylinder and means provided by said piston and cooperating directly with one of said tubes for intermittently supplementing said cleansing fluid supply.

1,740,688. FLUID-PRESSURE MOTOR. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 17, 1923. Serial No. 681,146. 7 Claims. (Cl. 121-28.)

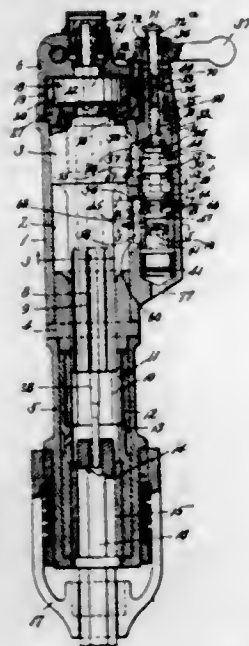


1. In a pressure fluid motor, a cylinder, a piston reciprocable therein, and means for effecting reciprocation of said piston including a valve chest, a valve therein, buffers limiting movement of said valve, a center bolt extending through said valve for retaining said buffers in assembled relation, and means disposed within said center bolt for alternately venting the space between said buffers and the ends of said valve to exhaust the pressure on the total area of the ends of said valve.

1,740,689. DRILLING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Sept. 27, 1926. Serial No. 138,088. 7 Claims. (Cl. 121-28.)

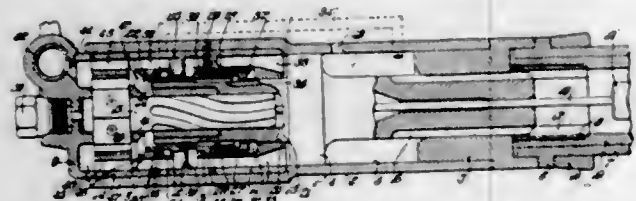
1. A fluid actuated motor comprising a cylinder, a piston reciprocable therein, fluid distribution means including a multiple spool valve having two central spools of equal diameter controlling supply and exhaust of motive fluid for said cylinder, an end spool of the same diameter

adapted to be subjected to pressure for throwing and holding said valve in one position, and another end spool,



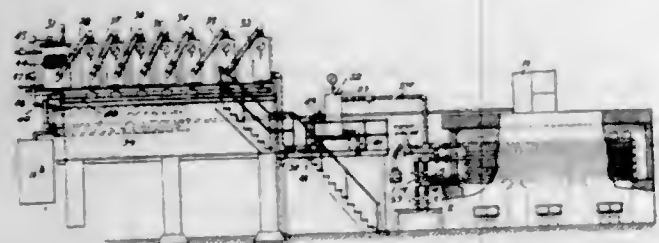
one of said central spools having a larger area presented to pressure than the other in one position of the valve to hold the valve more positively in such position.

1,740,690. DRILLING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Nov. 29, 1927. Serial No. 236,538. 14 Claims. (Cl. 121-27.)



1. In a drilling apparatus, the combination of a cylinder, a piston reciprocable therein and having an extension, rotation mechanism for rotating a drill steel including a rifle bar extending longitudinally of the cylinder and co-operating with the extension on said piston, fluid distribution means for said cylinder and piston including a valve surrounding said rifle bar and piston extension, and fluid pressure means for actuating said valve including a throwing passage controlled by said piston extension.

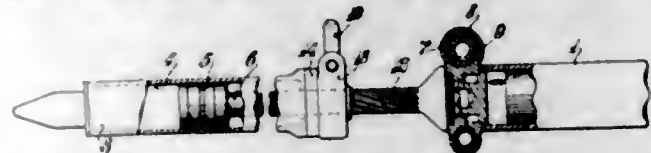
1,740,691. APPARATUS AND PROCESS OF TREATING HYDROCARBON OILS. CHARLES J. GREENSTREET, New York, N. Y., assignor to Gasoline Corporation, a Corporation of Delaware. Filed Aug. 4, 1917, Serial No. 184,379. Renewed Mar. 13, 1929. 9 Claims. (Cl. 196-49.)



1. The process of treating hydrocarbon oil which consists in subjecting the oil in a vaporized state, in a plurality of conduits to a temperature sufficient to crack the oil, conducting the oil from each coil to separate expansion chambers, and thereafter conducting the vapor from each expansion chamber to a single digester chamber.
5. In an apparatus for treating oil, the combination of a plurality of cracking pipes in parallel, means for heating

said pipes, a plurality of heat insulated expansion chambers one connected with each cracking pipe, means connecting said chambers together, a valve controlling the pressure in all of said chambers and means for withdrawing liquid from said chambers.

1,740,692. FEEDING MECHANISM. EDWIN T. HALL, El Paso, Tex., assignor to Sullivan Machinery Corporation, a Corporation of Massachusetts. Filed Apr. 25, 1921. Serial No. 464,343. 12 Claims. (Cl. 121-9.)

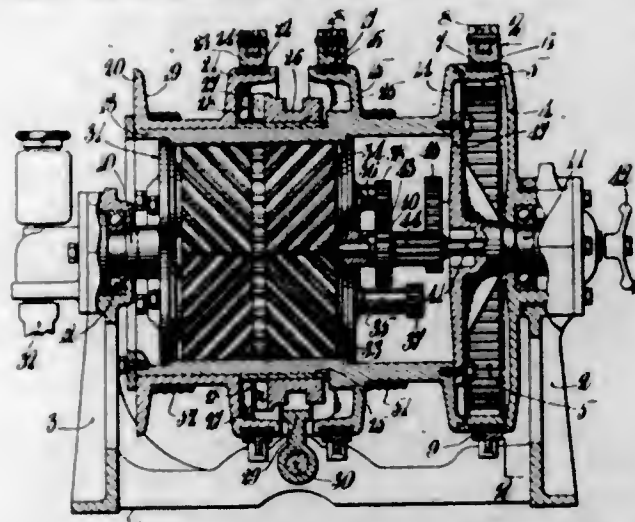


1. In a pneumatic drill feeding mechanism, relatively movable pressure fluid actuated feeding members, means for preventing relative rotation between said feeding members, and means for controlling longitudinal movement therebetween including a helical groove on one of said members, a rotatable nut carried by the other member and engaging said groove, a gear carried by said nut, a cooperating gear meshing therewith, and a manual grasping lever secured to said latter gear.

1,740,693. PROCESS OF MANUFACTURING SUGAR. MILTON S. HERSHEY, Hershey, Pa. Filed June 7, 1928. Serial No. 283,740. 4 Claims. (Cl. 127-61.)

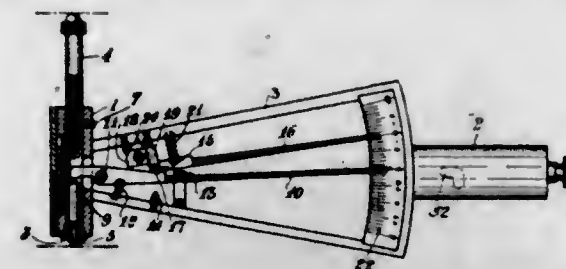
1. The process of manufacturing sugar from clarified sugar juice, which consists in boiling a mass of said juice, without addition, until its density is such that a small sample thereof will approximately retain the shape to which it may be molded between the fingers of an operator, then agitating the boiled liquid mass, and drying the said mass during the agitation thereof until the whole liquid mass becomes converted into a free flowing finely divided crystalline solid sugar holding all the dried solids of the mother liquor.

1,740,694. TRACTION MECHANISM. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 8, 1921, Serial No. 508,495. Renewed Oct. 8, 1929. 18 Claims. (Cl. 254-185.)



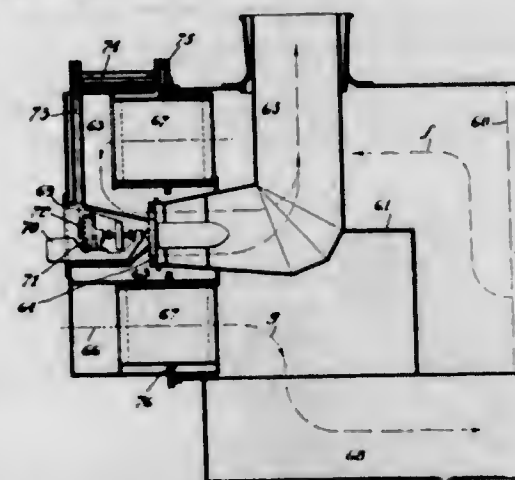
1. In a hoisting mechanism, a plurality of coaxially arranged relatively rotatable winding drums, a driving motor disposed within the drums, said motor having a casing supporting said drums and including a plurality of co-operating motor rotors, and means disposed within one drum whereby either of said rotors may constitute the element transmitting the drum rotating torque including a pinion carried by each of said rotors and a longitudinally movable gear engageable with said pinions alternatively and means whereby said gear may be moved, said gear moving means being operable from the exterior of the drums.

1,740,695. GAUGE. CARL EDVARD JOHANSSON, Detroit, Mich. Filed Apr. 12, 1923, Serial No. 631,499, and in Sweden Apr. 27, 1922. Renewed Sept. 12, 1928. 14 Claims. (Cl. 33-178.)



1. In a gauge the combination of a frame, two measuring studs in said frame, one of said studs being adapted to slide in said frame, a rough measurement pointer actuated by said sliding stud, a scale for said pointer having a zero point, an accurate measurement pointer, and means adapted to transmit motion from said sliding stud to said accurate measurement pointer only when said rough measurement pointer moves in the vicinity of the zero point on the scale, such movement of said accurate measurement pointer being at greater angular velocity than the movement of said rough measurement pointer.

1,740,696. AIR PREHEATER FOR LOCOMOTIVES. FREDRIK LJUNGSTRÖM, Lidings-Brevik, ISIDOR BROBERG, Skarsatra, Lidings, and ERIK OTTO ERIKSSON, Lidings-Brevik, Sweden, assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Corporation. Filed Sept. 5, 1923, Serial No. 661,120, and in Sweden Aug. 8, 1922. Renewed May 16, 1928. 18 Claims. (Cl. 110-57.)

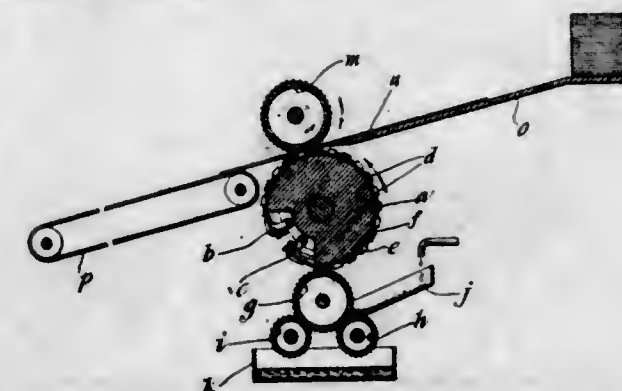


1. An air preheating device for locomotives comprising a frame supporting metal plates acting as regenerating material, said frame being rotatably mounted in the smoke box of the locomotive boiler in a plane forming substantially a right angle with the longitudinal direction of the boiler, said smoke box being divided into two separate chambers through which the rotating frame moves on its rotation, the one of said chambers communicating on the one hand with the furnace of the locomotive boiler and on the other hand with the uptake of the locomotive, whereas the other chamber communicates on the one hand with the atmosphere and on the other hand with the space below the grate of the furnace by means of a channel extending below the boiler, a fan being provided adapted to exhaust the waste gases from the smoke box into the uptake, said fan being placed in a central bore provided in the rotating frame.

1,740,697. TIN-PLATE-SPOTTING MACHINE. CHARLES E. McMANUS, New York, N. Y., assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a Corporation of New York. Filed June 27, 1925. Serial No. 40,125. 6 Claims. (Cl. 91-50.)

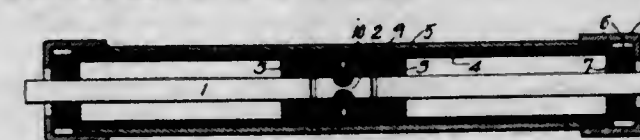
1. In a machine as described a cylinder having upon its surface, a member comprising a plurality of spaced

resilient spotting elements, a metallic plate having a plurality of openings therein through which said elements respectively project, and a resilient backing positioned between said metallic plate and the surface of said cylinder to which said elements respectively are connected, and means carried by said cylinder adapted to secure said member in position thereon.



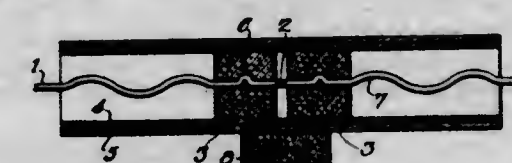
6. In a machine as described a cylinder having upon its surface, a member comprising a plurality of spaced resilient spotting elements, the surface of each element extending upon a curve concentric with the surface of said cylinder, a metallic plate having a plurality of openings therein through which said elements respectively project, and a resilient backing positioned between said metallic plate and the surface of said cylinder to which said elements respectively are connected, means carried by said cylinder engageable with said metallic plate, whereby said member is secured in position upon said cylinder, a plurality of metallic distributing rollers, one of which is in engagement with the elements upon said member, a trough by which a cement is flowed into engaging relation with two of said rollers, a tank positioned below said rollers, and a presser cylinder co-operating with said first named cylinder.

1,740,698. ELECTRIC FUSE. THOMAS E. MURRAY, Brooklyn, N. Y.; Joseph Bradley Murray, Thomas E. Murray, Jr., and John F. Murray, executors of said Thomas E. Murray, deceased. Filed Dec. 11, 1924, Serial No. 755,135. Renewed Mar. 5, 1929. 5 Claims. (Cl. 200-181.)



1. A fuse comprising a case, having a fuse element with a number of blowing points in series with one another, and a number of plungers on either side of each blowing point, which plungers are free to move on the blowing of the fuse.

1,740,699. ELECTRIC FUSE. THOMAS E. MURRAY, Brooklyn, N. Y.; Joseph Bradley Murray, Thomas E. Murray, Jr., and John F. Murray, executors of said Thomas E. Murray, deceased. Filed Feb. 7, 1928. Serial No. 252,439. 12 Claims. (Cl. 200-127.)



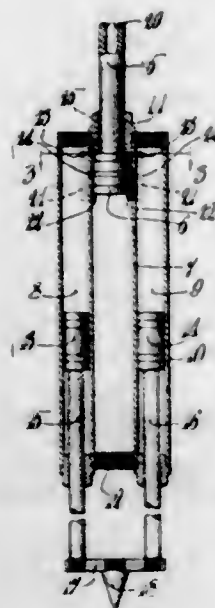
1. A fuse comprising an open-ended case, a plunger within said case at a substantial distance from its end, an abutment, a fuse element engaged by said plunger and having a blowing point between the abutment and the plunger so that the gas generated by the blowing of the fuse is confined, the case being unobstructed from the plunger to the end of the case so that the plunger with its engaged portion of the fuse element is moved promptly and swiftly away from the blowing point and is permitted to move freely through the case and out of the open end thereof when the fuse blows.

1,740,700. ELECTRICAL VACUUM DISCHARGE DEVICE. ALBERT PAUL HANS-GERD NICKEL, Charlottenburg, and JOHANNES JOACHIM SPANNER, Berlin, Germany. Filed Feb. 24, 1927, Serial No. 170,679, and in Germany Aug. 1, 1924. Renewed Mar. 14, 1929. 4 Claims. (Cl. 250—27.5.)



4. A vacuum discharge device comprising a tube having a filling of gas, a cathode, an anode, and a grid, said cathode being coated with hydrid of calcium.

1,740,701. DRILLING MECHANISM. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 17, 1921. Serial No. 508,366. 6 Claims. (Cl. 121—9.)

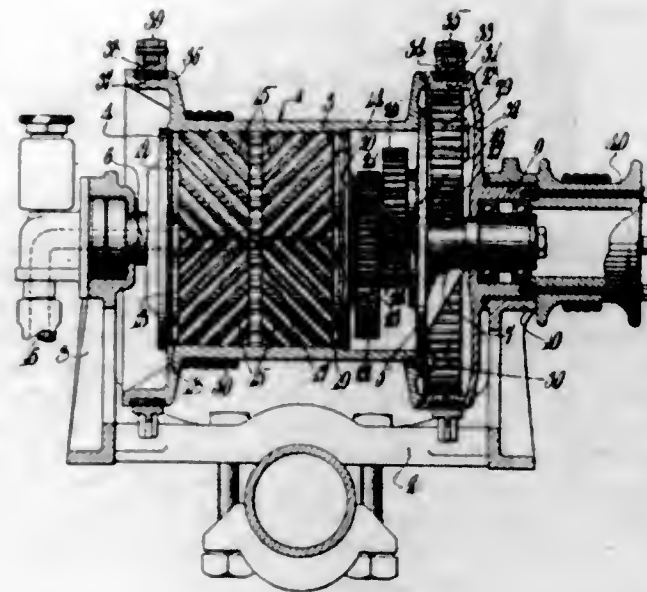


1. In a drilling apparatus, a drilling motor, and fluid actuated feeding means therefor comprising parallel overlapping cylinders certain of which are arranged on opposite sides of the motor axis while another is aligned with said axis, pistons, contained in said cylinders, one of said pistons being connected to said motor and another of said pistons being engageable with an extraneous abutment, and means for supplying fluid to said cylinders including a passage extending through one of said pistons, said passage being controlled by one of said pistons.

1,740,702. HAULAGE MECHANISM. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 8, 1922. Serial No. 550,888. 7 Claims. (Cl. 254—184.)

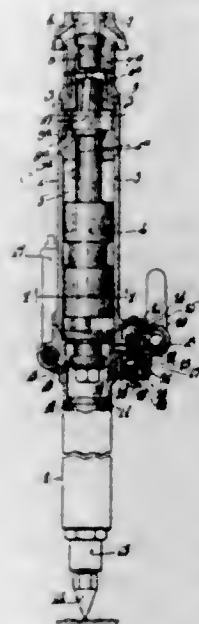
1. A hoisting mechanism including a winding drum, a driving motor therefor enclosed therein, means for effecting rotation of said winding drum by said motor comprising a gear rotatably supported on an axis fixed with respect to the winding drum and parallel to but offset from the axis of the latter, and a member comprising an internal

gear surrounding said first mentioned gear and cooperating therewith, and means for supporting said member



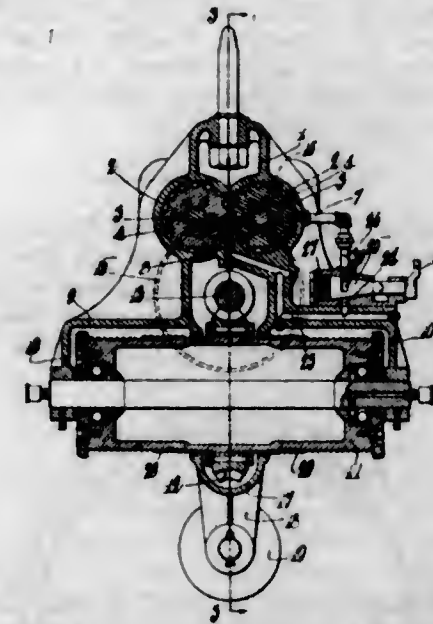
and internal gear for rotation upon an axis coaxial with the axis of the winding drum, said member carrying a supplemental winding member beyond said supporting means.

1,740,703. DRILLING MECHANISM. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 24, 1923. Serial No. 641,096. 18 Claims. (Cl. 121—5.)



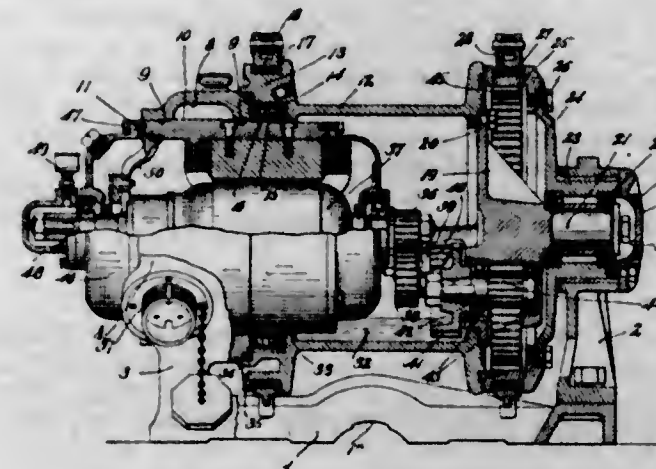
1. In combination, a drilling motor, pressure fluid actuated feeding means therefor, and means having communication with said feeding means and automatically effective upon variation of pressure in said feeding means incident to an increased rate of feeding movement due to substantial decrease in the resistance to feeding movement to increase the power of said drilling motor.

1,740,704. HOISTING MECHANISM. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 17, 1924. Serial No. 686,908. 6 Claims. (Cl. 121—70.)



1. A driving motor comprising a casing, intermeshing spiral tooth rotor elements therein, inlet and exhaust means, said motor being so constructed that fluid admitted through the inlet may work expansively and be exhausted at substantially reduced pressure, and means for reversing said fluid flow through said motor.

1,740,705. HOISTING MECHANISM. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 31, 1924. Serial No. 703,308. Renewed Feb. 25, 1929. 10 Claims. (Cl. 254—186.)

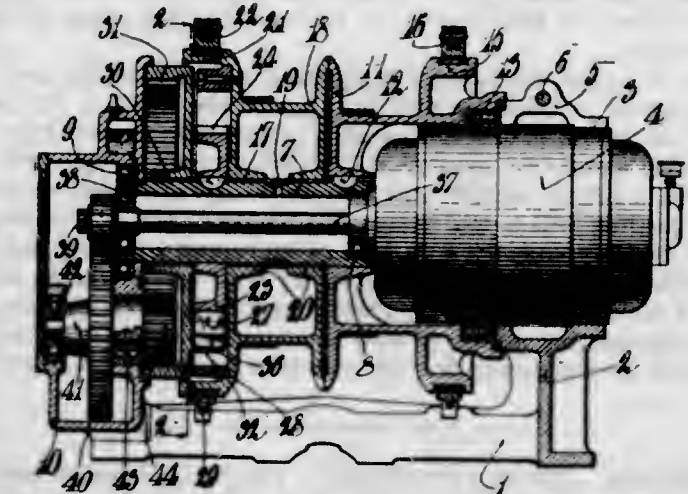


1. A hoisting mechanism comprising a winding drum, an electric motor for driving the drum providing a bearing for the latter, said motor having a casing and lead wires extending through said casing, and rigid supporting means for said motor having an opening through which said wires extend, said motor casing being adapted upon release from the supporting means to be removed from said supporting means in a direction angularly disposed to the longitudinal axis of said motor and substantially parallel to the axis of said wires as they extend in said opening.

1,740,706. HOISTING MECHANISM. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 16, 1924. Serial No. 726,818. Renewed Sept. 21, 1928. 9 Claims. (Cl. 254—185.)

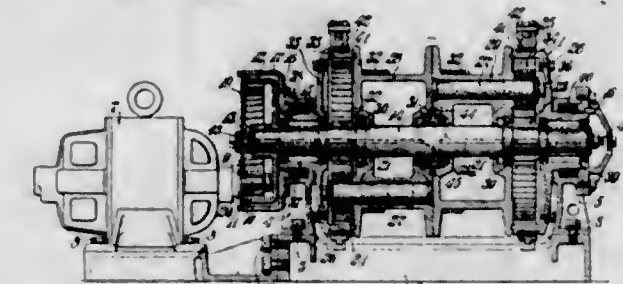
1. A hoisting mechanism comprising a plurality of winding drums each rotatable by power independently of the other, driving and supporting means therefor including ro-

tatable concentric power shafts, one of said shafts providing a journal for one of said drums and being in fixed relation to another of said drums, a motor driving a second



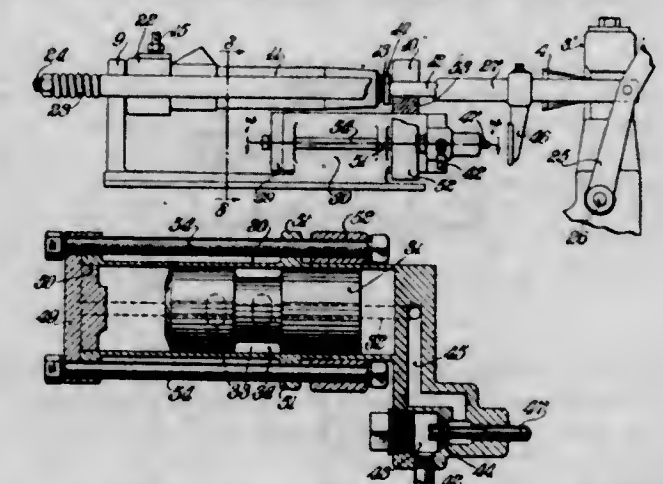
one of said shafts, and gearing connections between the said two shafts comprising a gear journaled on the first of said shafts.

1,740,707. HOIST. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Corporation, a Corporation of Massachusetts. Filed Mar. 17, 1926. Serial No. 95,411. 12 Claims. (Cl. 254—184.)



1. In a hoist, a frame, a driving shaft carried thereby, a driving motor operatively connected to said shaft, a pair of relatively rotatable coaxial winding drums disposed in end abutting relation and rotatable about said shaft, the adjacent ends of said drums having grooved plane surfaces and end chambers for receiving bearings, operative driving connections between said shaft and drums, and a ring loosely received in the grooved ends of said drums for preventing access of any foreign substances to the drum bearings in said end chambers.

1,740,708. FORGING MACHINE. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 6, 1928. Serial No. 283,332. 5 Claims. (Cl. 76—5.)

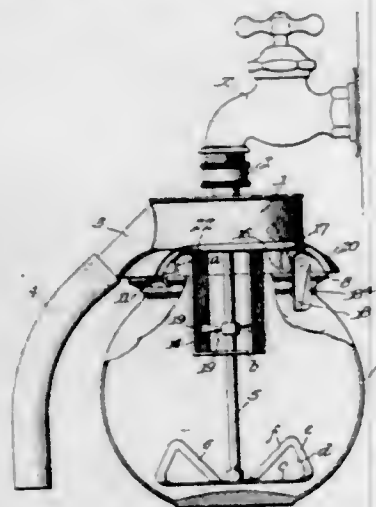


1. A punch mechanism comprising a punch, a hammering motor for driving said punch into the work, a frame on which said hammering motor and punch are carried, a second hammering motor for delivering, during a period

throughout which said first mentioned hammering motor remains inactive, a series of repeated blows, said second motor having a rear cylinder head for receiving said blows, and means for transmitting impact from said cylinder head to said punch for withdrawing the same from the work.

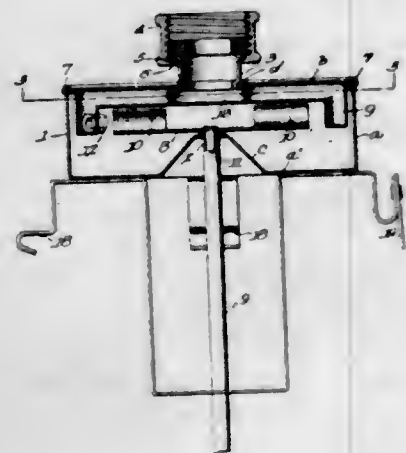
4. A punch mechanism comprising a punch, a hammering motor for driving said punch into the work, a frame on which said motor and punch are carried, a second hammering motor also carried by said frame comprising a cylinder, a piston reciprocable therein, a movable head member against which said piston is adapted to strike, a member movably supported on said cylinder and engaging said punch, and tie rods for connecting said head member to said movably supported punch engaging member whereby the hammering action of said last mentioned motor is imparted to the punch for withdrawing the same from the work.

1,740,709. CULINARY MIXER. FRANK H. PARKER and KENNETH H. KOLPIEN, Cleveland, Ohio, assignors, by mesne assignments, to The Niagara Mixer Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 5, 1927. Serial No. 231,280. 13 Claims. (Cl. 259-122.)



1. A mixer of the kind described, comprising a motor casing, a rotor in said casing, an attaching coupling member mounted on one wall of said casing in substantial alignment with the axis of said rotor, and an agitator shaft extending from the rotor through the opposite wall of the casing and in substantial axial alignment with said rotor.

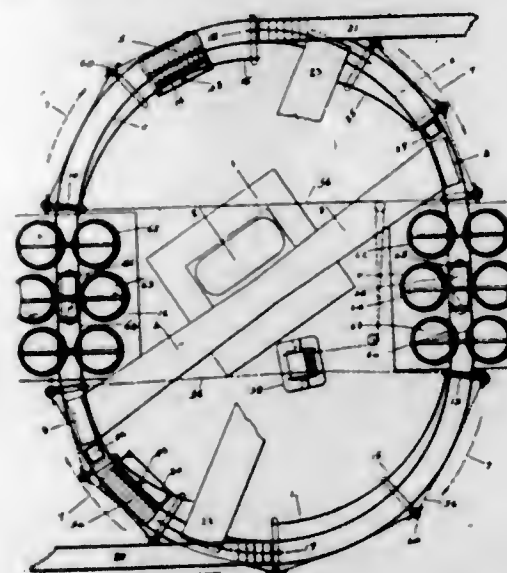
1,740,710. FLUID MOTOR. FRANK H. PARKER and KENNETH H. KOLPIEN, Cleveland, Ohio, assignors, by mesne assignments, to The Niagara Mixer Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 5, 1927. Serial No. 231,281. 11 Claims. (Cl. 253-140.)



1. A motor for agitators comprising a motor casing having an inlet opening and a bottom wall, a nipple con-

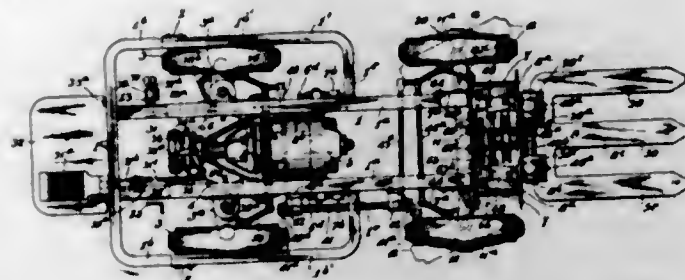
nected with the casing at said opening, an agitator shaft extending into the casing through and supported by said bottom wall, a turbine wheel in said casing and fast upon said shaft, nozzles communicating with the nipple and arranged in the casing on opposite sides of the shaft to deliver impelling jets of fluid at equal distances around the wheel, and an attaching member mounted on the top of the casing at the center thereof, whereby the device may be suspended therefrom, said nipple being connected with said attaching member.

1,740,711. AUTOMATIC BRICK-MAKING MACHINE AND APPARATUS. JOHN C. PELTON, Santa Barbara, Calif., assignor to Improved Brick Corporation of Delaware, a Corporation of Delaware. Filed Feb. 24, 1927. Serial No. 170,676. 22 Claims. (Cl. 25-2.)



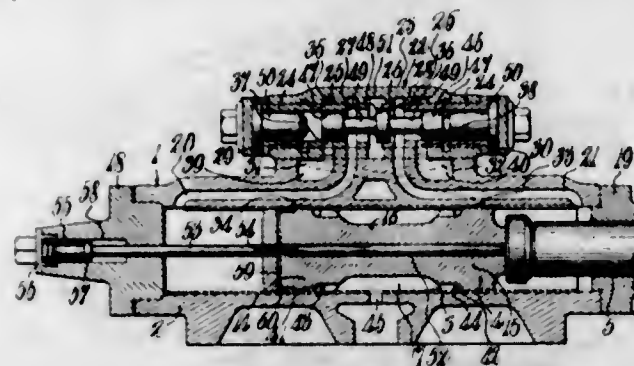
1. In apparatus of the class described, in combination, a trackway, a mold adapted to travel on said trackway, means delivering product forming materials into said mold, and means to impart vibrating movement to a section of the trackway thereby to compact the materials in the mold traveling thereupon, said means comprising fluid containing cylinders arranged in pairs across the section, a pontoon in each of said cylinders, members connecting each pair of pontoons on which said section is supported, and mechanism to vibrate the pontoons and section relative to said cylinders.

1,740,712. INDUSTRIAL TRUCK. EDWARD H. REMDE, Cleveland, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 4, 1924. Serial No. 724,175. 4 Claims. (Cl. 280-91.)



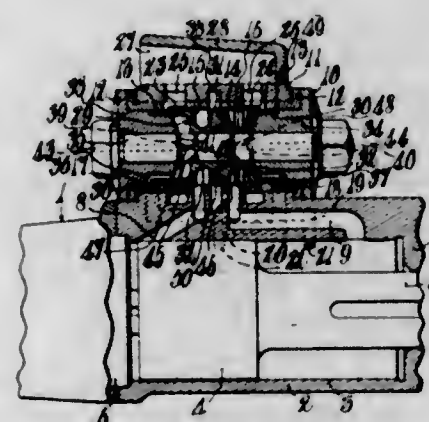
1. In apparatus of the class described, the combination of a frame, a pair of guides for a slidable elevating member, said guides being connected to one end of said frame and extending vertically upwardly and downwardly relative thereto, an axle supported on the rear sides of said guides below said frame and provided with knuckles at its opposite ends, a pair of wheels for the opposite end of the frame, and a pair of wheels mounted on said knuckles, portions of said guides being cut away to permit swinging of the last mentioned wheels.

1,740,713. FLUID-PRESSURE MOTOR. THOR R. E. RUNDQVIST, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 17, 1923. Serial No. 681,148. 21 Claims. (Cl. 121-12.)



1. In a pressure fluid motor, a cylinder, a piston reciprocable therein, piston controlled fluid distribution means for supplying live motive fluid to the opposite ends of said cylinder to effect reciprocation of said piston, an abutment adapted to be actuated by said piston, and means actuated by said abutment for automatically varying the stroke of the piston in accordance with movement of said abutment relative to said cylinder while effective operation of said piston is continued.

1,740,714. FLUID-PRESSURE MOTOR. THOR R. E. RUNDQVIST, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 20, 1923. Serial No. 681,848. 18 Claims. (Cl. 121-28.)

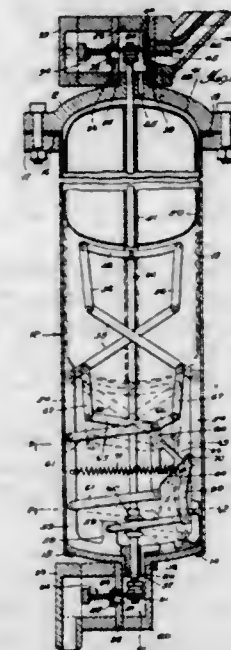


1. In a pressure fluid motor, a cylinder, a piston reciprocable therein, means forming distribution passages leading to said cylinder, a valve controlling said passages, means forming throwing passages for admitting live pressure fluid to the ends of said valve for throwing the latter, and auxiliary means controlled by said valve for admitting live pressure fluid to one end of said valve prior to the admission of throwing pressure to said end.

1,740,715. LIQUOR-TRANSFER-VALVE OPERATION FOR ABSORPTION REFRIGERATOR SYSTEMS. RALPH E. SCHURTZ, Kansas City, Mo. Filed Jan. 18, 1928. Serial No. 247,656. 7 Claims. (Cl. 137-103.)

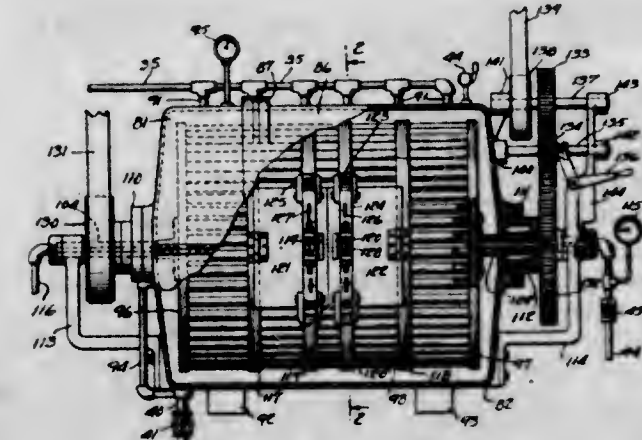
1. A structure of the character described comprising a vertical cylindrical tank having ports at the top and bottom for admission and discharge of liquid, and for equilibrating pressures, a frame slidable in the tank longitudinally of the tank and adapted to seat on the bottom thereof removably an axial valve operating rod, valves operatively connected therewith and operatively associated with the ports, a float slidable around the rod and in the tank, a valve operating lever mounted on the frame, two links pivoted on the frame above the lever, a triangularly shaped

member having one side connected to the swinging ends of the two said links, the two remaining sides being smoothly finished, a wiper movable thereon, a contractile spring an-



chored on the frame between the links and connected to the wiper, a link connection between the wiper and lever, and operative connections between the float and cam.

1,740,716. DRY-CLEANING APPARATUS. ABRAHAM TRAUBE, Brooklyn, N. Y., assignor to Fabric Dry Cleaning Machinery Co. Inc., Brooklyn, N. Y. Filed May 18, 1928. Serial No. 278,653. 15 Claims. (Cl. 8-8.)

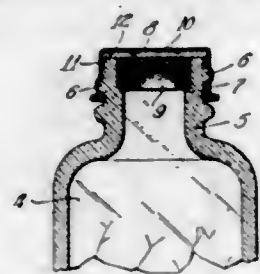


11. In a dry-cleaning apparatus, a machine casing, means for spraying solvent into the interior of the casing, and a rotor for carrying the material to be cleaned comprising end plates, a circumferential series of parallel tubes, a series of parallel blades interposed between the tubes to direct the spray of solvent inwardly to the material in the interior of the rotor, and end trunnions for supporting the rotor in the end walls of the machine.

1,740,717. MEDICAMENT CONTAINER. RALPH B. WAITE, Springfield, N. Y., assignor to The Antidolor Mfg. Co. Inc., a Corporation of Delaware. Filed Sept. 26, 1927. Serial No. 221,909. 3 Claims. (Cl. 215-37.)

1. In combination, a medicament container having a shoulder on the interior of the neck thereof, a plug disposed in said neck resting on said shoulder, the upper ends of the plug and container being flush to promote cleanliness, said plug being of a pliable material which

is self-closing to punctures, and a cap having a portion coating with said flush upper ends to further promote cleanliness, said portion extending across and in contact

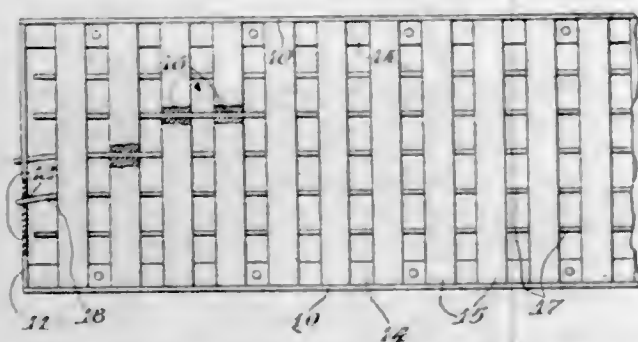


with the said flush upper ends of said plug and said container, said cap having an attaching wall depending from said portion engaging the exterior of the neck of the container.

1,740,718. PENETRATION METHOD OF ROAD CONSTRUCTION. EDWIN C. WALLACE, Newton, Mass. Filed Aug. 20, 1928. Serial No. 300,958. 6 Claims. (Cl. 94-23.)

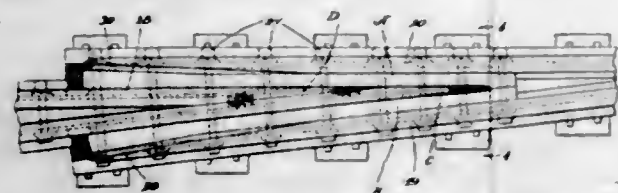
1. The method of surfacing roads which consists of providing upon a previously prepared foundation, a course of oil coated stone and prior to its ultimate compression applying thereover a coating of heated bituminous composition, then spreading thereon a relatively thin, intermediate course of oil coated stone particles which are approximately one-half to one-quarter the size of the stone particles comprising the lower course and after partial compression spraying the surface with heated bituminous composition, then applying thereover a finishing course of oil coated fine mineral matter.

1,740,719. STRAW-WALKER RACK. ALBERT B. WELTY, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 27, 1928. Serial No. 273,203. 5 Claims. (Cl. 130-24.)



1. In a straw walker, a casing having an end wall provided with openings, a plurality of cross slats carried by the casing and having aligned openings, said openings being offset with respect to the openings in said end wall, and flexible removable rods passed through all of said openings to mount the same in the slats.

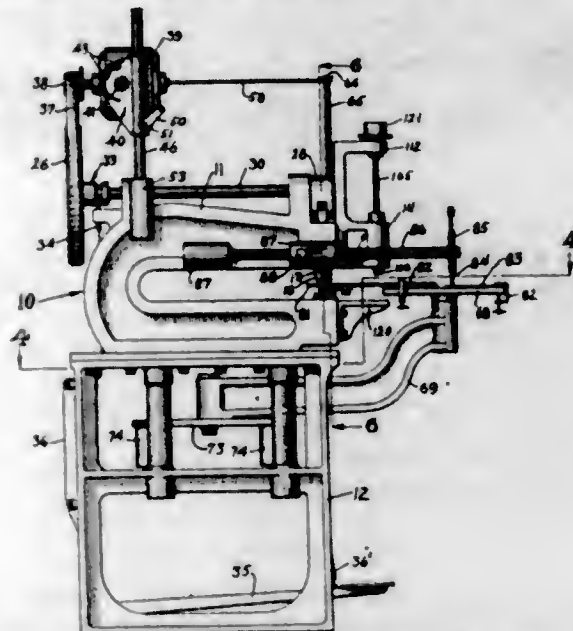
1,740,720. METHOD OF PRODUCING FILLERS FOR RAILROAD FROGS. DAVID E. ANDERSON, St. Paul, Minn. Filed Sept. 1, 1928. Serial No. 303,350. 9 Claims. (Cl. 29-169.)



1. The method of forming fillers for a frog point and guard rails consisting in bending a pair of filler members in a manner to diverge away from each other at one end the desired degree, then cutting away the inner sides of

said fillers to fit closely to the sides of the frog point and supplemental rail point, and then cutting away the outer sides of said fillers to cause the same to fit the angle and formation of the side rails of the frog when the fillers are clamped together with the frog point and rail point therebetween and the side rails bolted to the outer sides of the filler.

1,740,721. METAL-WORKING MACHINE. STEAD A. ASQUITH, Los Angeles, Calif. Filed May 25, 1927. Serial No. 194,092. 18 Claims. (Cl. 29-26.)



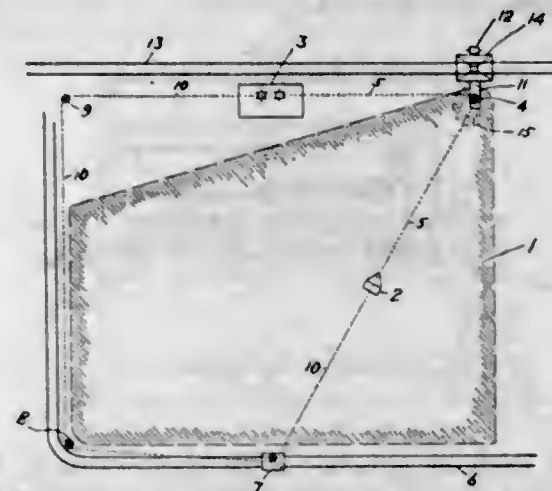
1. In combination with a device having a vertical reciprocable plunger, a fly wheel for driving said plunger, a rotatable spindle, means to drive said fly wheel, said means being also adapted to rotate said spindle, said drive means including an electric motor, a bracket, means to pivotally mount said motor on said bracket, means to mount said bracket for vertical movement, means to retain said motor in a fixed relationship to said bracket when the motor is moved on its pivot, means to vertically move said bracket and means to retain said bracket in adjusted position.

9. A machine including a frame, a tool holder, a motor, means to drive said tool holder from said motor, a vertical rod on said frame, a bracket adjustable on said rod, means to hold said bracket in adjusted position on said rod, means to mount said motor on said bracket for movement about a horizontal axis, means for retaining said motor in rigid relationship to said bracket, a second vertical rod rigidly supported on said frame, a horizontal rod supported at one end on said second rod, means on said motor adjustably engaging said horizontal rod to prevent movement of said motor about the axis of said vertical rod, a movable work table, means to support said table said means including a pair of spaced apart parallel arms, said table and said arms being pivotally connected, an element pivotally connected to said pair of arms, a second pair of spaced apart arms pivotally connected to said element, said second pair of arms being supported by said frame and pivotally connected thereto, an indicator supported adjacent to said tool holder, said indicator adapted to register with a pattern secured to said table whereby when said table is moved to cause said pattern to move relative to said indicator the work secured to said table will be caused to correspondingly move relative to a tool carried by said tool holder.

1,740,722. STORAGE AND RECLAIMING SYSTEM. ROBERT H. BEAUMONT, Radnor, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 1, 1926. Serial No. 105,997. 3 Claims. (Cl. 214-10.)

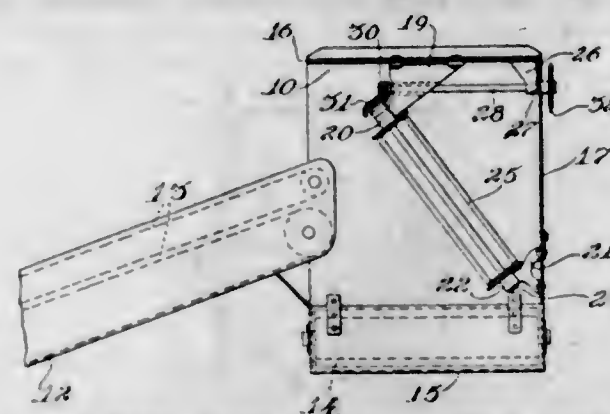
2. A storage and reclaiming system embodying an area for the storage of material, a winding machine, a drag

scraper, a cable for reciprocating the scraper, a tail block, and means arranged around the margin of the



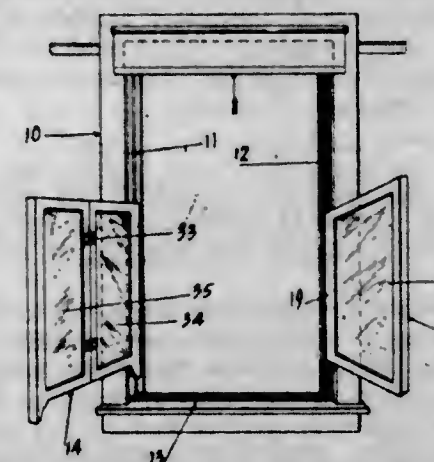
storage area for guiding the return reach of the cable between the winding machine and the tail block clear of the material on said area.

1,740,723. FEEDER CONSTRUCTION FOR HARVESTER THRASHERS. ARTHUR R. BLEWETT, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Mar. 19, 1928. Serial No. 262,661. 3 Claims. (Cl. 198-102.)



1. In a feeder construction for harvester thrashers, a longitudinally disposed feeder house open at one side, a main feeder conveyor running lengthwise of the house and disposed in the bottom thereof, an auxiliary feeder conveyor running lengthwise of the house and tilted obliquely upwardly on one side edge, adjacent side edges of the main and auxiliary conveyers forming an acute angled feeder passage-way, and a transversely disposed conveyor discharging material into said passage-way through the open side of the house.

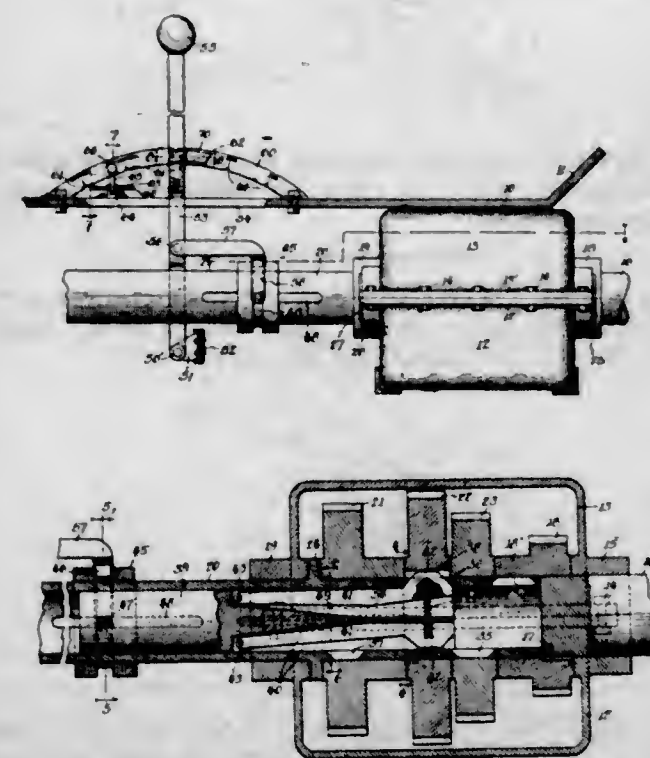
1,740,724. WINDOW CONSTRUCTION. JOHN J. BRIDLER, San Francisco, Calif., assignor of one-half to Alfred Hampton, Frank J. Miller, and Frederick Hansmann. Filed July 14, 1928. Serial No. 292,624. 3 Claims. (Cl. 20-50.)



1. Window construction of the class described comprising, in combination, a casement embodying slotted

pulley stiles, an upper and a lower counter-balanced sash mounted between said pulley stiles and adapted for slidable movement therebetween, a single sash cord for each sash, said lower sash consisting of a single panel and said upper sash consisting of centrally hinged panels, hinge members borne by said sash members and having tongues slidable in the stile slots, the upper hinge-tongue of each sash being connected to one of said sash cords and a removable molding strip carried by one of said stiles providing, when removed, a clearance opening through which the sashes may be swung in a horizontal plane when in lowered positions.

1,740,725. VARIABLE-SPEED TRANSMISSION GEARING. HERBERT E. BROWN, Chicago, Ill., assignor of one-half to Maurice H. Mandelbaum, Chicago, Ill. Filed Aug. 18, 1927. Serial No. 213,785. 4 Claims. (Cl. 74-59.)

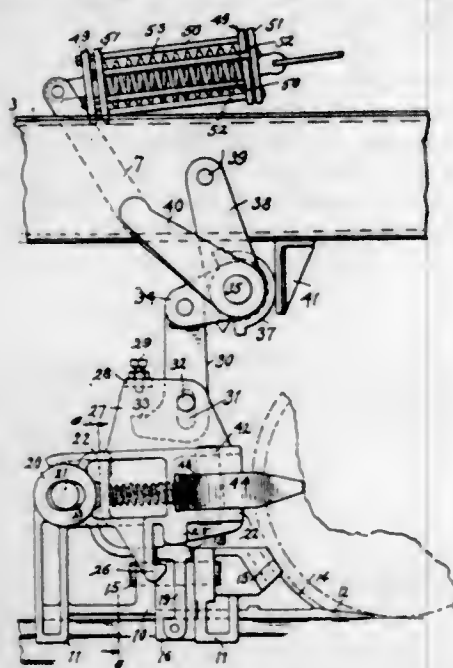


1. In a variable speed transmission, the combination with a tubular shaft, of a plurality of gears journaled thereon, said gears having clutch elements formed on their inner peripheries and said shaft having openings therein, disposed one in the plane of each of said gears and means disposed within said shaft for clutching the several gears thereto, said means comprising a relatively short solid shaft disposed within and slidably fitting the bore of the tubular shaft, means for connecting said solid shaft for rotation with said tubular shaft but permitting relative axial movements thereof, said solid shaft having a pair of opposed radial grooves formed therein with a central web therebetween, a radially movable clutch member pivoted in each of said grooves, resilient means passing through said web and engaging said clutch members for projecting them through said openings and into engagement with the clutch elements of said gears, and means for sliding said solid shaft.

1,740,726. SAFETY STOP. ARTHUR F. CASE, Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 26, 1926. Serial No. 97,571. 44 Claims. (Cl. 188-43.)

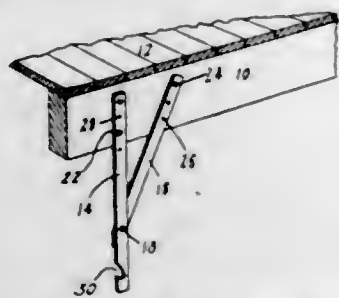
1. The combination with a structure mounted to travel along a railway, of track engaging means connected with said structure, means carried by said structure for flexibly supporting said track engaging means and for lowering the same into track engaging position and lifting the same out

of track engaging position, and means carried by the track engaging means responsive to a relative movement between



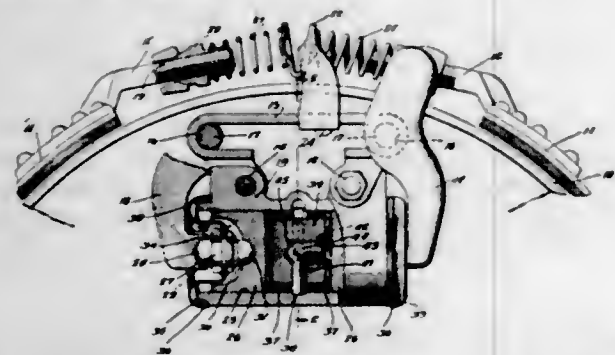
said structure and track engaging means when the same is in engagement with the track for holding the structure against movement.

1,740,727. CLOTHESLINE BRACKET. EDWIN T. DUNLAP, Hawarden, Iowa. Filed Oct. 1, 1928. Serial No. 309,460. 1 Claim. (Cl. 68-12.)



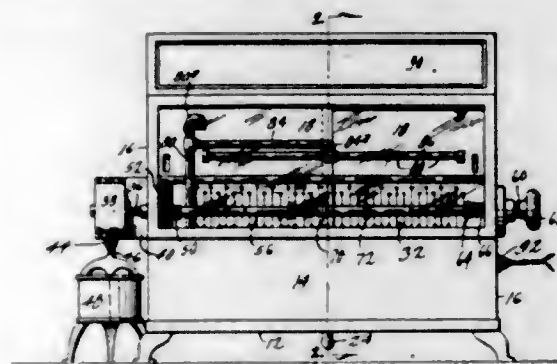
A clothes line hook comprising a bar having a hook notch at one end and a series of spaced openings adjacent its opposite end and a second bar having one end pivoted to the first bar between said hook notch and said openings and a series of spaced openings adjacent its opposite end.

1,740,728. FLUID-OPERATED BRAKE SYSTEM. BURTON S. FLORADAY, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed July 3, 1924. Serial No. 723,888. 2 Claims. (Cl. 74-109.)



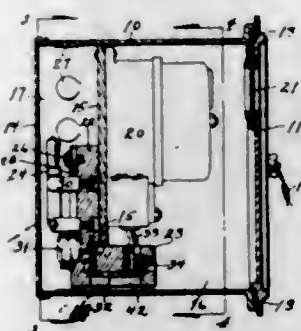
2. In piston and cylinder construction, a cylinder, a piston operatively disposed therein, a free packing cup associated with the end of the piston to serve as packing therefor capable of seating movement in the cylinder independently of the piston and means within the cylinder for causing the cup to seat upon the piston when the piston recedes.

1,740,729. BARBECUE MACHINE. GUS GARVIS, Des Moines, Iowa. Filed Dec. 27, 1927. Serial No. 242,601. 10 Claims. (Cl. 126-41.)



1. In a barbecue machine of the kind described, a casing, a heater therein, a meat holder for supporting meat for rotation adjacent to the heater, a drip pan having a low portion, a perforated element above the meat holder, means including piping and a pump for conducting juices from the pan to the perforated element, and an open pipe extending above said element.

1,740,730. ELECTRICAL SERVICE AND METER CABINET. GEORGE T. GIBSON, Des Moines, Iowa. Filed Feb. 26, 1927. Serial No. 171,203. 5 Claims. (Cl. 247-2.)

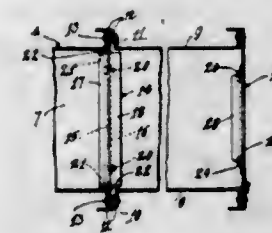


1. A structure of the class described, comprising a cabinet mounted in and extending through a wall, a partition dividing said cabinet into inner and outer compartments accessible respectively from the interior and the exterior of a building, an insulating plate mounted on said partition in the inner compartment and having an extension projecting through said partition and into the outer compartment of the cabinet and constituting a meter terminal plate, a line switch carried by said plate within the inner compartment, means for connecting service wires to said switch, fuse sockets carried by said plate and electrically connected with said switch, connectors mounted in said plate and its extension and connected at one end with said fuse sockets, a meter mounted on said partition in said outer compartment and above said terminal plate, conductors extending from said meter back to said terminal plate, circuit fuse sockets carried by said insulating plate, and connectors connecting the last named conductors to said circuit fuse sockets.

1,740,731. METHOD OF PREPARING METAL FOR PAINTING. JAMES H. GRAVELL, Elkins Park, Pa. Filed Feb. 12, 1929. Serial No. 339,500. 8 Claims. (Cl. 148-8.)

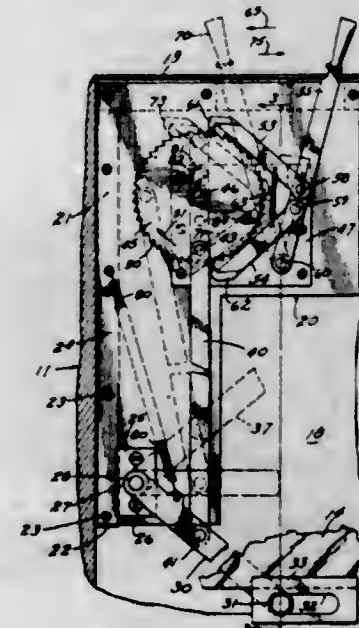
1. The method of preparing metal for painting comprising applying a solution of metal etching acid to the metal so that the acid acts on the metal, before the acid solution has dried on the metal applying to the metal a finely divided absorbent material and keeping the absorbent material on the metal until it is dry, and finally removing the absorbent material together with the deleterious products of the acid reaction.

1,740,732. MUD FLUME. ALVAH M. GRIFFIN, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif., a Corporation of California. Filed Apr. 18, 1927. Serial No. 184,608. 3 Claims. (Cl. 209-458.)



1. A mud flume of the class described comprising a separating conduit having a horizontal bottom, said conduit providing side plates with outturned flanges, spacers between said flanges and means for attaching the flanges together whereby the flanges form vertical grooves at the side of said conduit, and baffles slidable in said grooves and formed of upper and lower baffle plates relatively movable.

1,740,733. WINDOW-RAISING MECHANISM. RAYMOND J. HANSEN, Redondo Beach, Calif. Filed Mar. 24, 1928. Serial No. 264,315. 15 Claims. (Cl. 268-126.)

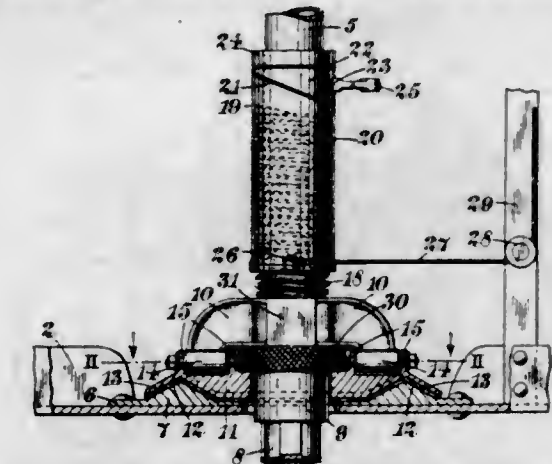


7. In a window-moving mechanism, the combination of: a supporting structure; a glass movable in said supporting structure; a ratchet gear pivoted to said structure; means connecting said ratchet gear and said glass, said means moving said glass through a complete cycle when said ratchet gear makes one revolution; reciprocable means for rotating said ratchet gear; and means for resiliently holding said glass in positions at the extremities of its cycle.

1,740,734. SHOCK ABSORBER FOR USE IN VEHICLE SUSPENSION. EDWARD AXELSON HELLSTRAND, Guildford, England. Filed Mar. 3, 1928. Serial No. 258,706, and in Great Britain Mar. 1, 1927. 3 Claims. (Cl. 280-124.)

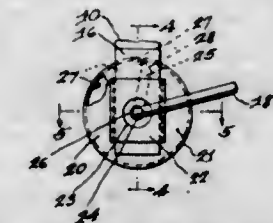
1. In a vehicle suspension, the combination of a frame member, vertical guides thereon, a wheel axle mounted to slide in said guides, a splined sleeve slidably mounted

on the wheel axle carrying radial extensions on opposite sides forming a yoke, and a guide plate attached to said



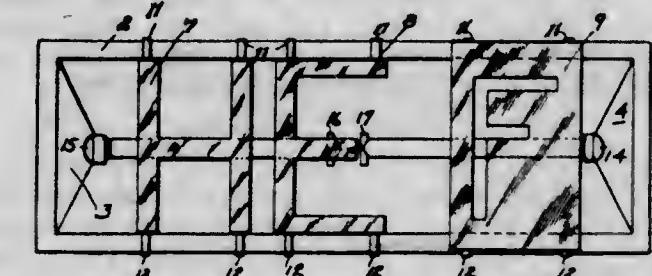
yoke and adapted to frictionally engage the guides mounted on the frame, means to vary the frictional resistance between the guide plate and guides.

1,740,735. CLUTCH MECHANISM. CARL W. HOLLINGSWORTH, Marshalltown, Iowa, assignor, by mesne assignments, to Ole G. Herm, Marshalltown, Iowa. Filed Dec. 27, 1927. Serial No. 242,705. 4 Claims. (Cl. 156-44.)



3. In a device of the class described, a bracket, a cup, a portion offset from the bottom of said cup providing a passage, to slidably receive said bracket, an arm pivotally mounted on said bracket having a projection disposed within said cup, means for urging said arm in a given direction, lugs formed on the rim of said cup and disposed interiorly thereof adapted to selectively engage said projection whereby to limit movement of said arm in said given direction, said offset portion having a slot formed therein through which said arm projects whereby said cup may be slid along said member to disengage said projection from said lugs.

1,740,736. ILLUMINATED SIGN. JOSEPH HOTCHNER, San Francisco, Calif. Filed Apr. 11, 1927. Serial No. 182,660. 3 Claims. (Cl. 40-140.)

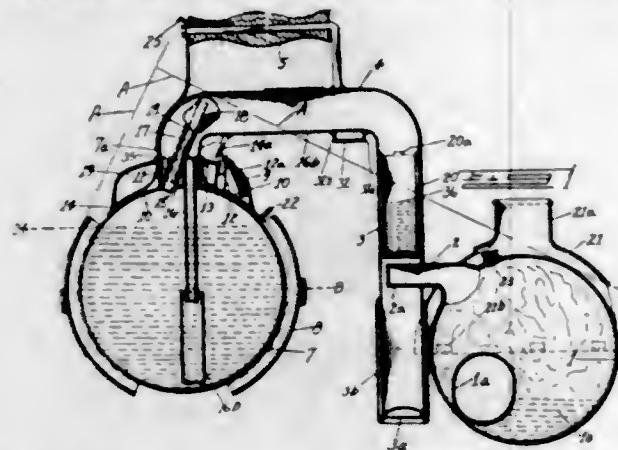


1. An illuminated sign of the class described, a sign body comprising a shallow V-shaped trough having flat edges turned back to form a U shaped tubular edge, a plurality of tubular lamps extending along the bottom of the trough, a plurality of letters, means at opposite edges of the trough to detachably secure the letters thereto in front of the tubular lamp, and means to hold the letters against longitudinal movement along said trough.

1,740,737. REFRIGERATING DEVICE. DAVID FORBES KEITH, Toronto, Ontario, Canada. Filed June 27, 1927. Serial No. 201,904. 35 Claims. (Cl. 62-120.)

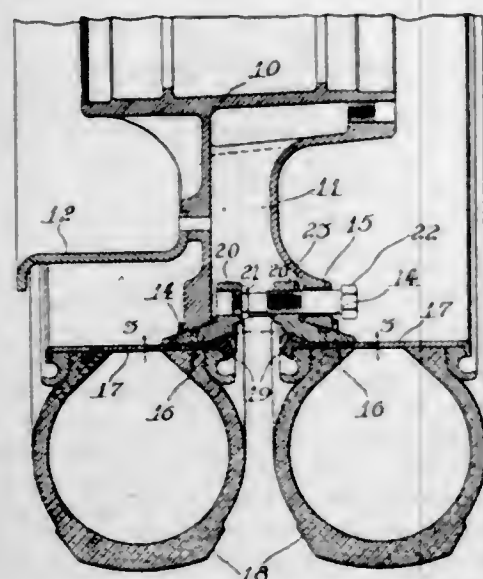
1. In combination, a refrigerator box, and a removable refrigerating unit therefor, said box having an opening

therein, a groove in the upper edge of the wall about said opening, said unit having its portions connected together



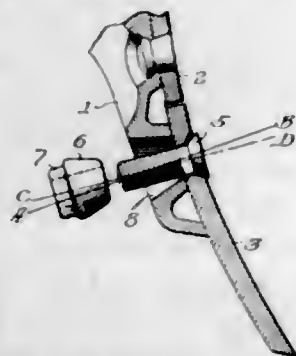
solely by means containing the passageways between the portions, said means arranged to fit in said groove, for the purpose described.

1,740,738. RIM FOR MOTOR-TRUCK WHEELS. ROBERT R. KIRBY, Hinsdale, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Dec. 8, 1927. Serial No. 238,496. 4 Claims. (Cl. 301-12.)



1. The combination with a wheel structure formed with wedging surfaces, of an inner and outer demountable rim each including spaced wedge members, said wedge members adapted to be positioned on the wedging surfaces of the wheel structure, a headed abutment member in each inner rim wedge member, and a locking bolt passing through the wheel structure and outer rim wedge members to contact the headed abutment on the inner rim wedges for securing the rims to the wheel.

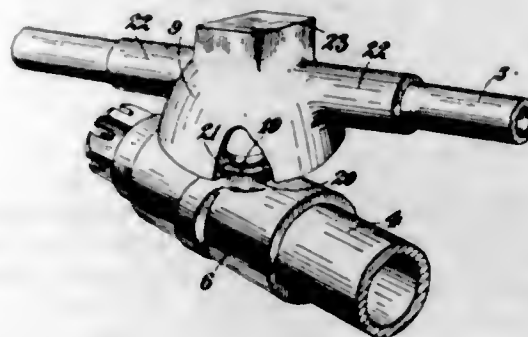
1,740,739. DETACHABLE CULTIVATOR SHOVEL. ROY H. KIPP, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed July 6, 1926. Serial No. 120,534. 9 Claims. (Cl. 97-198.)



1. In a tillage implement, a bracket, a shank secured to the bracket, a point detachably secured to the bracket

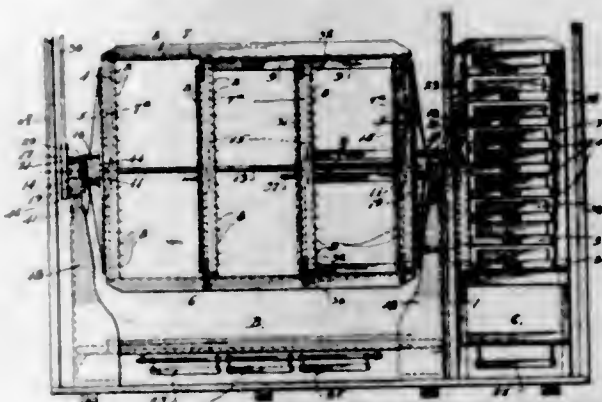
below the shank, and a cam having an inclined face engaging said bracket and cooperating with means carried by the point to simultaneously force said point upwardly into tight engagement with said shank and backwardly into close contact with the bracket.

1,740,740. COVER FOR JOINTS. CHARLES RANDALL LITTLE, Coventry, England. Filed Nov. 4, 1926, Serial No. 146,161, and in Great Britain May 13, 1926. 3 Claims. (Cl. 287-90.)



1. In a flexible cover for a pivotal connection in combination with two link members of a joint, a cover piece enclosing one link member provided with an annular groove, a cover piece enclosing the other link member provided with an annular flange interfitting with the groove of the first piece to form a fluid tight and running joint.

1,740,741. INCUBATOR AND HATCHER. FRANK H. MCCOY, Cleveland, Ohio, assignor to The McCoy Electric Incubator Company, Cleveland, Ohio, a Corporation. Filed May 19, 1927. Serial No. 192,675. 10 Claims. (Cl. 119-37.)

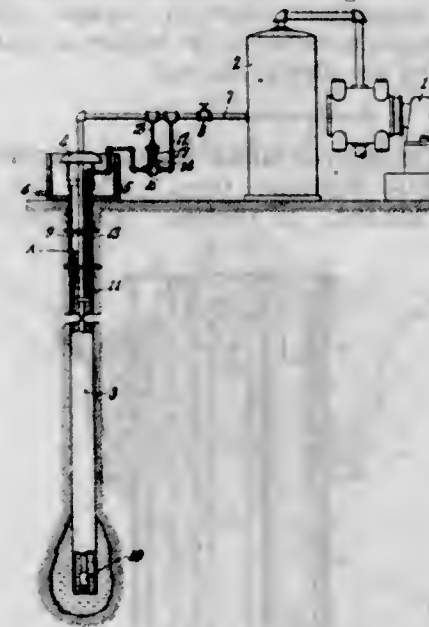


1. In incubating apparatus, the combination of a carrier frame adapted to receive trays of eggs, a journal for the frame on which the frame is adapted to be adjusted angularly, air agitating means within the frame, and means for delivering power through the journal to the air agitating means.

1,740,742. AIR-LIFT PUMPING SYSTEM. ROBERT E. C. MARTIN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Sept. 1, 1927. Serial No. 216,959. 4 Claims. (Cl. 103-11.)

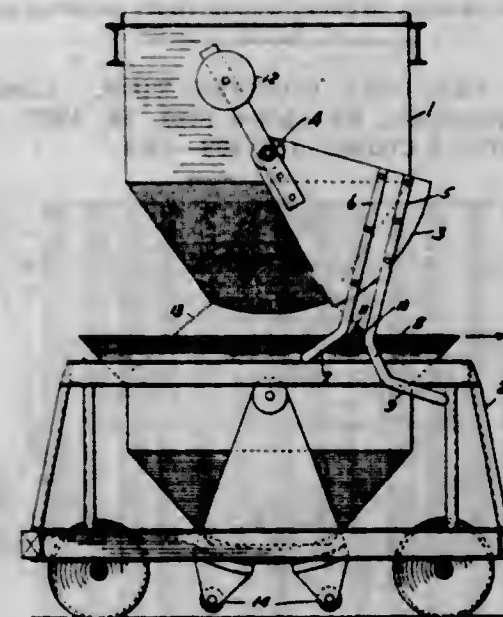
1. In an air lift pumping system, a liquid discharge pipe, a main pumping element, an auxiliary pumping element located at a higher level than said main pumping element, a source of pumping fluid, a main supply line leading from said source to said main pumping element, a separate auxiliary supply line leading from said source to said auxiliary pumping element, and an automatic valve mechanism embodied in a single unit comprising a valve in said auxiliary line, a fluid actuated agent continu-

ously supplied with pressure fluid direct from said main line and connected directly to said valve for opening the same when said element is subjected to pressure above



a predetermined point, and means opposing said fluid actuated element which serves to hold said valve closed except when overcome by a predetermined high pressure on said element.

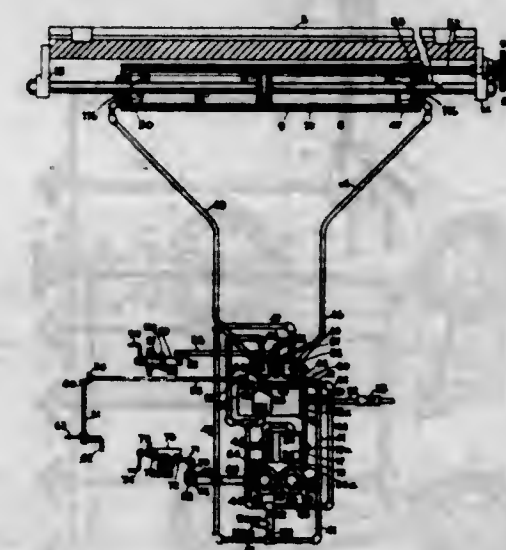
1,740,743. AUTOMATIC TRAM-CAR LOADING GATE. HARRY B. OSTTLER, Philadelphia, Pa., assignor to R. H. Beaumont Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 9, 1927. Serial No. 166,989. 1 Claim. (Cl. 214-42.)



In apparatus of the type recited a hopper having the area of its discharge opening smaller than the area of the open top of the car to choke discharge from the hopper into the car, a traversing tram car adapted to run under and past the opening before its direction of travel is reversed, a single gate movable in the arc of a circle and having an edge arranged to cut through the choked material and to cover and uncover the hopper opening, a roller mounted on the car and arranged outside thereof, and a pair of rails carried by the gate and arranged in parallelism and disposed to intercept at an acute angle the arc described by the gate and the ends of said rails arranged in diverse relation and the end of one of said rails disposed in angular relation to the adjacent part thereof.

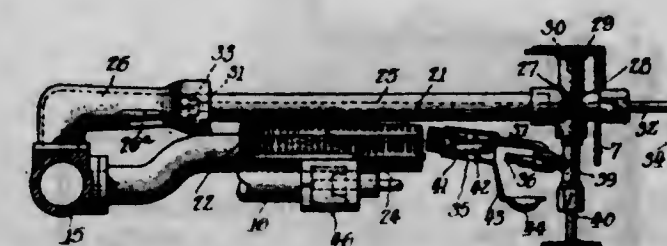
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1,740,744. FLUID TRANSMISSION AND CONTROL MEANS FOR MACHINE TOOLS. FRANK A. PARSONS, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis. Filed Sept. 17, 1926. Serial No. 136,050. 48 Claims. (Cl. 90-21.)



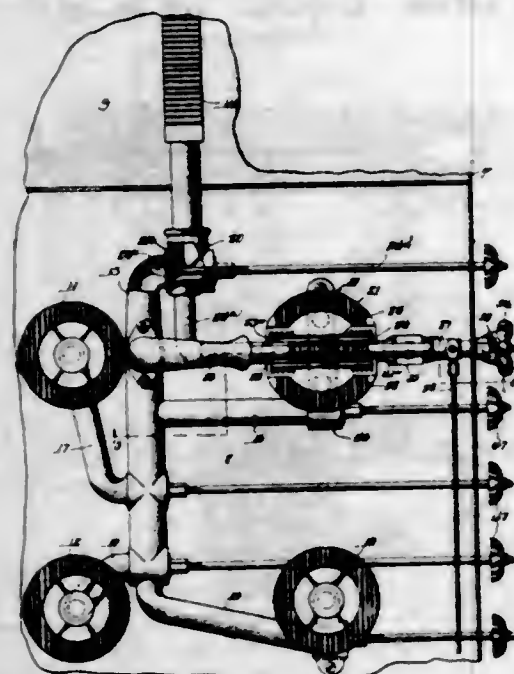
1. A machine tool comprising a rotatable tool spindle, a support movable relative to said spindle in a direction transverse to the spindle axis, a reversibly fluid operated motor for said relative movement and having a plurality of ports, a relatively small delivery uni-directional output feed rate pump, a relatively large delivery uni-directional output quick traverse rate pump, each of said pumps having an inlet and an outlet port, channels connectible for connecting either port of said feed pump with either port of said motor and simultaneously connecting the other pump port with the other motor port, whereby to effect a closed feed circuit in either feed direction, said channels being also connectible for connecting the outlet port of said quick traverse pump with either port of said motor, and valve means associated with said channels and operable to effect each of said connections thereof.

1,740,745. LIQUID-FUEL COOK STOVE. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed Aug. 18, 1926. Serial No. 129,895. 5 Claims. (Cl. 158-59.)



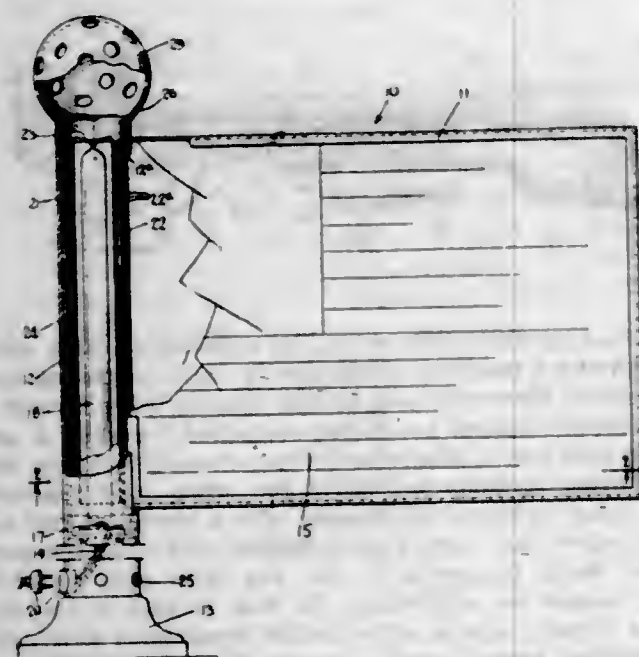
1. In a gasoline cook stove, the combination of a manifold having a plurality of burners in valve-controlled communication therewith, one of said burners being formed in two sections spaced apart but connected together, a generator tube and a generator burner disposed between said two burner sections one above the other, said generator tube being connected at one end with a source of fuel and at its other end with said manifold, and said generator burner being connected at one end with said manifold, valve means for controlling the flow of fuel to the generator burner, and a pregenerator comprising a metallic coil having valve-controlled connection at one end with the source of fuel and having a jet tip at its other end arranged to discharge into the space between said burner sections beneath the generator tube.

1,740,746. LIQUID-FUEL COOK STOVE. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed Jan. 17, 1927. Serial No. 161,476. 2 Claims. (Cl. 126-44.)



2. A liquid fuel cook stove having, in combination, a generator tube connected with a fuel supply, a manifold into which said tube is arranged to discharge, a needle valve for controlling such discharge into the manifold, a cooking burner having a connection with said manifold and disposed adjacent said tube to heat the same throughout the major portion of its length, a valve for controlling the flow of fuel from the manifold to the cooking burner, a secondary burner having a connection with the manifold to receive a supply of fuel therefrom, an auxiliary burner also connected with the manifold and positioned adjacent said tube so as to heat the same in substantially the same region as the cooking burner, and a single valve for controlling the flow of fuel to said secondary burner and also to said auxiliary burner but independently of the cooking burner, said auxiliary burner being thereby adapted to effect gasification of fuel in said tube for the supply of the secondary burner.

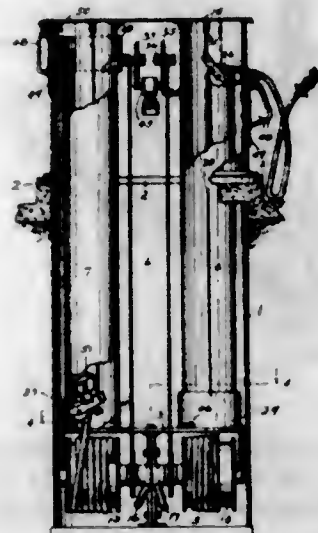
1,740,747. ELECTRIC-LIGHTED DISPLAY SIGN OR EMBLEM. WILLIAM E. PRICE, White Plains, N. Y. Filed Apr. 30, 1926. Serial No. 105,663. 13 Claims. (Cl. 40-132.)



1. A device of the character described, comprising a vertically disposed hollow supporting stanchion having

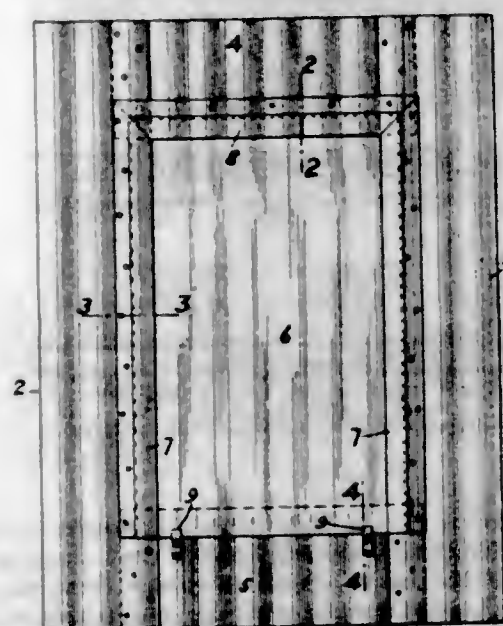
an opening extending lengthwise thereof, a casing having an open end mounted in an overhanging position to extend outwardly from and supported by said stanchion, said open end of the casing being in registry with the stanchion opening, said casing having an enclosing side thereof constructed of translucent material formed with display matter, and means mounted in the hollow of said stanchion for illuminating the display matter.

1,740,748. AUTOMATIC HOSE REEL AND PROTECTOR. ARTHUR READ, Portland, Oreg. Filed Oct. 25, 1927. Serial No. 228,592. 10 Claims. (Cl. 299-78.)



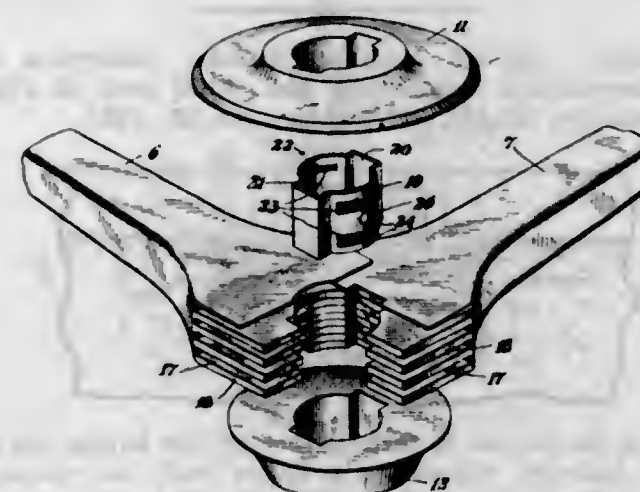
9. In a service station, a casing, a hose reel positioned in the lower end of said casing, a hose wound upon said reel, a counterweight connected to the nozzle-end of the hose and arranged to be releasably supported in the upper end of the casing, means to release said weight and there-hose and arranged to be releasably supported in the upper portion of the casing, an electric motor, and operative connections between the motor and said reel to wind up the hose and thereby lift said weight to its elevated position.

1,740,749. SKYLIGHT CONSTRUCTION. ARNO SHUMAN, Philadelphia, Pa. Filed Sept. 14, 1927. Serial No. 219,377. 3 Claims. (Cl. 108-16.)



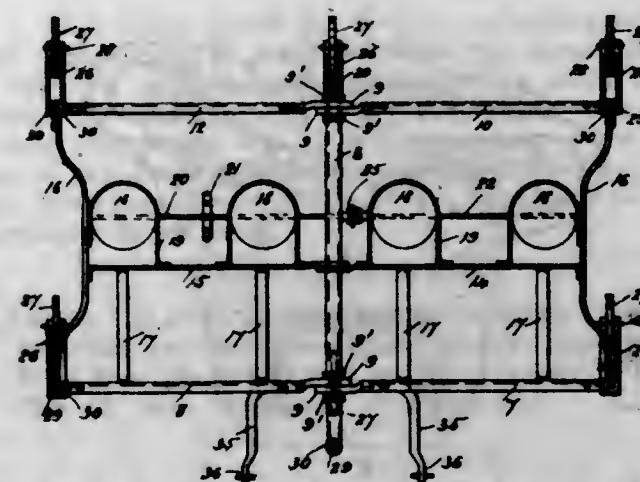
1. A skylight structure portable as a unit comprising a rectangular corrugated metal building sheet having a generally central rectangular opening therein, a generally rectangular pane of glass covering said opening and overlapping its bounding walls, metal strips lapping three side edges of the glass and conforming to the surface thereof and to the corrugations of said metal sheet and secured to the latter, and a support for the fourth side edge of the glass secured to said sheet.

1,740,750. STEERING WHEEL AND METHOD OF FORMING SAME. GRANT E. SMITH, Poughkeepsie, N. Y., assignor to Pouvallamith Corporation, Poughkeepsie, N. Y., a Corporation of New York. Filed Mar. 4, 1924. Serial No. 696,807. 32 Claims. (Cl. 18-59.)



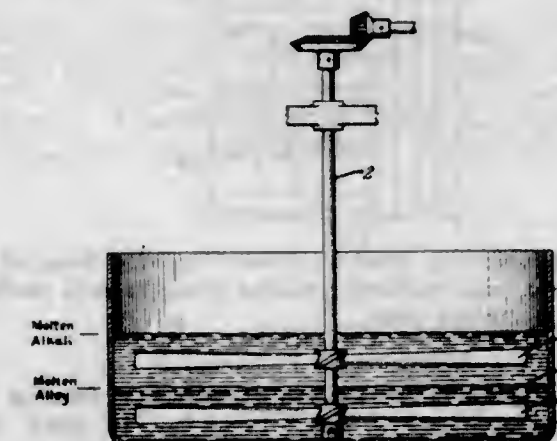
13. The method of forming a fabricated wheel of wooden rim sections, wooden spoke sections and a metallic bushing which comprises coating the several sections with an adhesive, assembling the sections with the spoke sections projecting into recesses in the rim sections and with the spokes interlocking with each other and surrounding the metal bushing and compressing the whole to mold the rim and spoke sections together and the hub portion about the bushing and to harden the adhesive.

1,740,751. TRUCK FOR TRACTOR-DRAWN IMPLEMENTS. LEONARD EARL SMITH, Corpus Christi, Tex., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 15, 1926. Serial No. 116,114. 7 Claims. (Cl. 97-235.)



7. An implement frame structure for connection to tractors, comprising a U-shaped coupling bar having its arms adapted for connection to a tractor, a central longitudinally extending frame member having its front end extending over the cross portion of said U-shaped bar, a first caster wheel supporting the rear end of said member, a second caster wheel supporting the front end of said member and located between the arms of the coupling bar, a laterally extending floating frame at each side of said central member pivoted to said member at longitudinally spaced points for movement vertically, caster wheels supporting the outer sides of said floating frames, and a flexible draft connection between each floating frame and the U-shaped bar.

1,740,752. TREATING LEAD ALLOYS. GUSTAVE W. THOMPSON, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 12, 1924. Serial No. 731,555. 3 Claims. (Cl. 75-15.)



1. The process of purifying lead alloys which consists in maintaining an interface of extended area between a molten mass of such alloy and an overlying mass of caustic alkali containing an oxidizing agent, and coincidentally agitating said masses to change the material constituting the contacting faces thereof.

1,740,753. FLASHING FOR WALLS AND CHIMNEYS. LIONEL VALLAS, Chicago, Ill. Filed May 21, 1928. Serial No. 279,409. 5 Claims. (Cl. 108-26.)

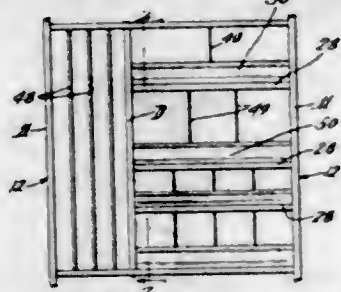


1. A flashing embodying a strip of material adapted to lie flat against a wall, the opposite longitudinal edges of which are provided with corresponding laterally and upwardly and downwardly, respectively, outwardly extending diverging flanges, said flanges providing means at both edges of said strip on the same side of the strip whereby either flange may, when said strip is applied to a wall, provide one wall of a trough for the reception of sealing material.

1,740,754. SHEET-METAL RACK. WALTER N. VANCE, Chicago Heights, Ill., assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill., a Corporation of Illinois. Filed June 23, 1928. Serial No. 287,778. 10 Claims. (Cl. 211-185.)

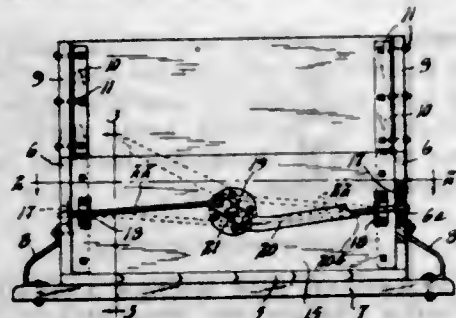
5. In a sheet metal rack construction, the combination with the rack frame and shelving, of a divider including spaced uprights of rectangular tubular form and a relatively thin divider plate supported by said uprights in sub-

stantially the median plane thereof and having top and bottom horizontally and vertically projecting flanging lying between the planes of the outside faces of said up-



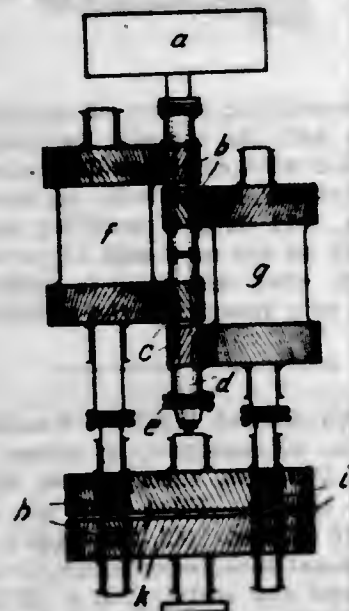
rights, and fastening means for securing said flanging to said shelving, said fastening means lying in said median plane of said divider plate.

1,740,755. END-GATE CONSTRUCTION. GEORGE L. WACKEROW, Mellette, S. Dak. Filed Feb. 11, 1928. Serial No. 253,585. 3 Claims. (Cl. 296-36.)



3. An end gate construction having in combination a wagon box body having a bottom and side walls and open at its rear end, members secured to the inner sides of said walls adjacent their rear ends, an extension box having side and rear walls disposed on top of said box body, members secured to the inner sides of the side walls of said extension box and projecting downwardly along the side of said box body and vertically aligned with said first mentioned members respectively, an end gate disposed between the walls of said box body, means secured to the inner side of said end gate adjacent the ends thereof adapted to engage with said members on said box body and with said members on the sides of said extension box for preventing spread of both of said sides and means for holding said end gate in position.

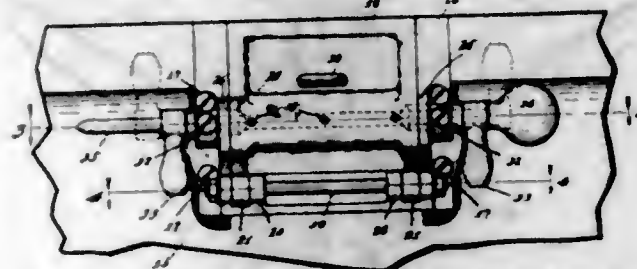
1,740,756. POWER-TRANSMISSION GEAR. GABRIEL WEIS, Bremen-Horn, Germany, assignor to Deutsche Schiff- und Maschinenbau Aktiengesellschaft, Bremen, Germany, a Corporation of Germany. Filed Feb. 12, 1929, Serial No. 339,390, and in Germany Oct. 26, 1926. 6 Claims. (Cl. 74-7.)



1. A power transmission gear comprising two pinions each directly actuated from the power source and each

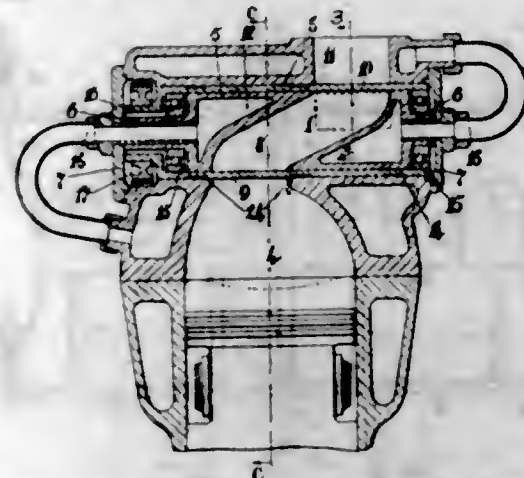
axially movable independently of the other, a wheel having two engagement tracks, one of said tracks being in engagement with one of said pinions and the other of said tracks in engagement with the other pinion, a final transmission pinion driven by said wheel and another wheel connected to the driven element and driven by said final transmission pinion.

1,740,757. CROCK-MAKING MOLD. GRANVILLE G. WESTERFIELD, Indianapolis, Ind. Filed Sept. 22, 1927. Serial No. 221,172. 17 Claims. (Cl. 25-129.)



1. A die for use in forming molded jars having one or more bail-ears, comprising a hollow body, an ear-mold arranged to be mounted on said body and having a recess adapted to form an outwardly projecting ear on the molded jar, members movably mounted on said body adjacent the ends of said ear mold, said ear mold being provided with openings in its ends adapted to receive said members to hold the ear mold in place on said body, said members being arranged when in place in said openings to project into the mold recess to form depressions in the ends of the molded ear, each of said members being provided with a helical cam slot, an abutment on said body arranged to co-operate with the cam slot in each of said members to cause said members to move into and out of engagement with said mold as they are rotated, said members being provided with aligned openings, and a rod insertable through said openings to form a hole in the molded ear.

1,740,758. VALVE FOR INTERNAL-COMBUSTION ENGINES. DOUGLAS GEORGE FISHER WHITE, Hamersmith, London, England. Filed Nov. 28, 1928, Serial No. 322,485, and in Great Britain Nov. 24, 1927. 2 Claims. (Cl. 123-190.)

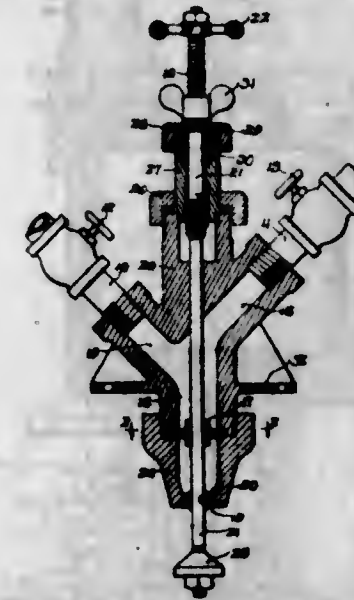


1. Valve means for internal combustion engines comprising a valve chamber, a sleeve within said chamber but disposed with slight clearance therefrom, a stationary core member disposed with slight clearance within said sleeve, said sleeve and said core having staggered inlet and exhaust ports, packing rings arranged on said core member between adjacent inlet and exhaust ports, and trunnion means for supporting said sleeve independently of said core and said chamber.

1,740,759. SPRAYING APPARATUS. OSCAR H. WURSTER, Chicago, Ill. Filed Aug. 19, 1926. Serial No. 51,119. 5 Claims. (Cl. 300-190.)

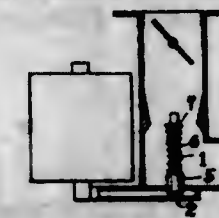
1. A spray nozzle having a mixing chamber therein and having inlet openings disposed at oblique angles to the

axis of said chamber to direct material into said chamber in the general direction of the axis thereof, one of said openings being disposed in advance of the other, the entrance of the rear opening to the mixing chamber being located at a point where the stream from said opening



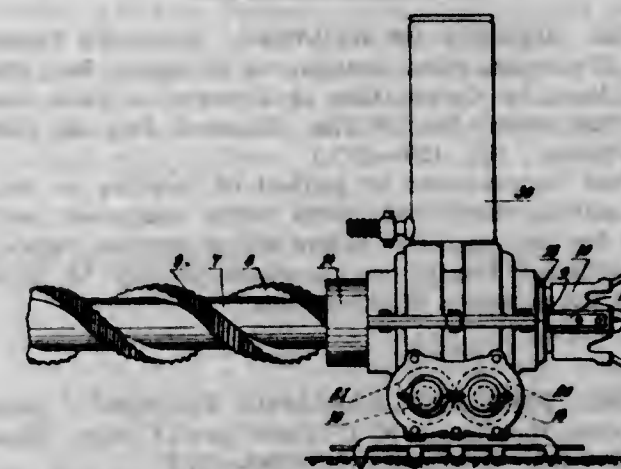
will meet the stream from the forward opening before either stream is deflected from the oblique direction of its opening so that material entering through the rear one of said openings will impinge against the side of the stream of material entering through the advance opening.

1,740,760. SAFETY DEVICE FOR AVOIDING BACK-FIRING IN CARBURETORS. CHARLES MARIN VICTOR ALLENOD, Nantes, France. Filed Dec. 17, 1926, Serial No. 155,518, and in France Dec. 24, 1925. 4 Claims. (Cl. 123-142.)



1. In a safety device for avoiding back-firing towards the carburetor of an explosion engine, the combination of a spraying nozzle normally immovable, an easily fusible metal holding said nozzle in place, a spring urging said nozzle towards the inlet of fuel, and means on the lower end of said nozzle capable of closing the inlet of fuel upon the liberation of said nozzle by the back-fire heat, substantially as set forth.

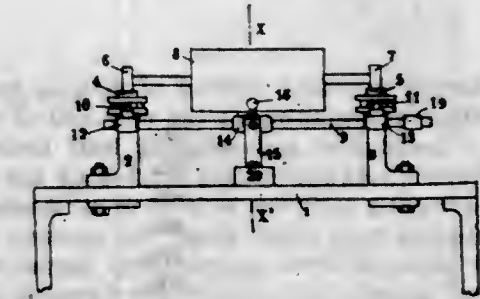
1,740,761. MACHINE FOR ROCK OR COAL CUTTING. FRANCOIS JACQUES BARTHÉLEMY BERRY, Lille, France. Filed Nov. 29, 1926, Serial No. 151,612, and in France June 21, 1926. 2 Claims. (Cl. 255-20.)



1. A boring machine, comprising two rotary sleeves; an auger shaft extending through and operated by said

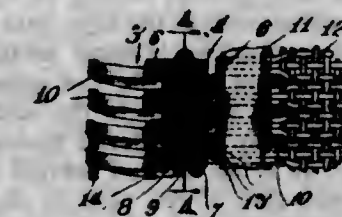
sleeves; a compressed air motor embodying two coordinate intergearing rotors, one for each sleeve to drive the same; and a combined coupling and braking device interposed between one sleeve and the associated rotor.

1,740,762. DEVICE FOR DETERMINING DEFECTS IN THE STATIC AND DYNAMIC BALANCES OF ROTATING BODIES. ROBERT BIQUARD, Neuilly-sur-Seine, France. Filed Nov. 6, 1925, Serial No. 87,452, and in France Nov. 12, 1924. 4 Claims. (Cl. 73-51.)



1. A device for determining in magnitude and direction the static and dynamic lack or defects in balance in bodies with are to be subjected to rotation comprising two bearings adjustable in distance and movable in a horizontal direction, perpendicular to the axis of rotation of the body to be balanced, a coupling bar connecting the two bearings together, members for pivotally connecting said bar with the two bearings, a spring adapted to have a vertical axis of symmetry in the vertical plane which contains the center of gravity of the body to be balanced transmitting to the bearings, through the medium of the coupling bar, the forces of reaction against their own oscillations, a compensating mass for bringing the centre of gravity of the whole of this arrangement in the vertical plane of symmetry of the return spring, perpendicular to the axis of rotation, and a vertical concave mirror carried by said spring the axis of which is in the same plane of symmetry and the plane of which is parallel to the coupling member.

1,740,763. SLIDER-OPERATED FASTENER AND MEANS FOR ASSEMBLING AND ALIGNING THE ELEMENTS. GEORGE W. BLAIR, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a Corporation of Indiana. Filed Sept. 2, 1926, Serial No. 133,108. 8 Claims. (Cl. 24-205.)



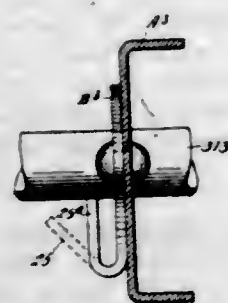
1. In a fastening device of the class described, the combination of a fastener element comprising a substantially flat plate having a closed aperture extending through the top and bottom faces of the plate, a tape having an enlarged edge member engaged through the aperture of the plate for mounting the latter and interlocking means extending entirely across the plate adjacent one side of the aperture.

1,740,764. TOUPEE AND WIG AND METHOD OF MAKING THE SAME. EMIL BONG, Los Angeles, Calif. Filed May 13, 1929. Serial No. 362,789. 15 Claims. (Cl. 132-56.)



15. The herein described method of making toupees or wigs, consisting in beginning at the rear end of a row of meshes of a foundation and securing hair thereto with the ends directed backwardly and continuing the securing of further hair until hairs are secured to all meshes in the row, then folding said hairs about the meshes with the ends of the hairs directed substantially forwardly, then securing other hairs to said meshes and directing the same angularly across the former hairs, then repeating such steps of securing hairs to each subsequently adjacent row of meshes, then repeating the above steps in the rows of meshes at the opposite side of the foundation with the angular hairs directed in an opposite angular direction, then securing still other hairs to the central rows of meshes beginning at the front ends of the rows of meshes, and then combing the hairs from the central rows to the opposite lateral sides.

1,740,765. PIPE ANCHOR. RICHARD W. BURNETT, Chicago, Ill. Filed July 10, 1922. Serial No. 573,908. 2 Claims. (Cl. 248-31.)

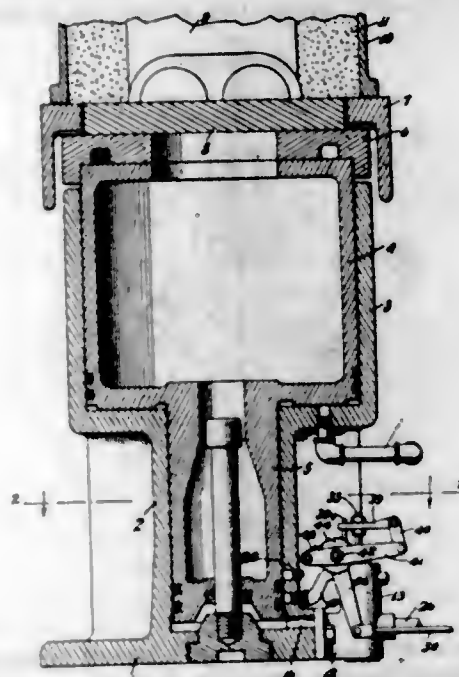


1. In a pipe anchor adapted to be secured to a fixed support on a railway car, said anchor comprising a plate of inherently resilient sheet metal, having a flat main body portion provided with means for securing the same to the support, said main body portion having an opening there-through to loosely accommodate the pipe, said plate having at one side of said opening, an integral portion bent back upon itself and extending towards the opposite side of said opening in diverging relation to the main portion of said plate and adapted to be displaced toward said main portion of the plate to bring the end thereof into wedging engagement with one side of the pipe to clamp the pipe against the wall of said opposite side of said opening.

1,740,766. CONTROL FOR JARRING MOLDING MACHINES. DONALD J. CAMPBELL, Muskegon Heights, Mich. Filed Dec. 10, 1924. Serial No. 754,930. 7 Claims. (Cl. 121-14.)

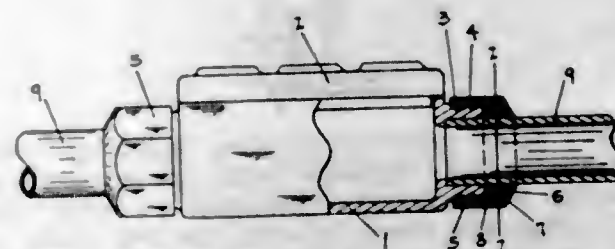
1. In a machine of the class described, a cylinder, a piston mounted for reciprocation therein, an automatic valve having a reciprocable member for the purpose of alternately admitting air into the cylinder below the piston and exhausting the air therefrom to cause re-

ciprocation of the piston in the cylinder, an air supply pipe communicating with said automatic valve, and means



actuated by said reciprocable member for stopping the passage of air to the cylinder after the reciprocable member has moved a predetermined number of times.

1,740,767. CONDUIT FITTING. JOHN WILLIAM COX, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 18,804. 3 Claims. (Cl. 247-25.)



3. In a conduit fitting, the combination of a conduit body having a conduit-receiving extension; a cap screwed on the extension; a soft metal packing ring between the cap and extension; and means actuated by the cap spinning the ring into sealing and clamping engagement with an inserted conduit as the cap is screwed into place.

1,740,768. METHOD OF WEAVING. RANDOLPH CROMPTON, Worcester, Mass., assignor to Crompton, Inc., Boston, Mass., a Corporation of Delaware. Filed Nov. 18, 1926. Serial No. 149,274. Renewed July 24, 1929. 20 Claims. (Cl. 139-232.)

7. That improvement in method of weaving in automatic shifting-shuttle-box looms which comprises establishing for the respective active filling supplies substantially different lengths or quantities thereby to predetermine the sequence of exhaustion.

1,740,769. PIPE AND RADIATOR SUPPORT. JERRY A. FABER, Hawthorne, N. J. Filed May 14, 1928. Serial No. 277,453. 6 Claims. (Cl. 248-17.)

1. A supporting structure for the purpose described including, in combination, a carrying member having a super-

posed series of horizontal slots, vertically adjustable means to support said member on an upright wall, and a hanger



member for the element to be supported having hook means engaging in and adjustable lengthwise of the slots of the carrying member.

1,740,770. BACK-PRESSURE VALVE FOR DRILLING RIGS. ELLSWORTH GRAY and ROBERT A. MUELLER, Houston, Tex. Filed June 25, 1926. Serial No. 118,496. 12 Claims. (Cl. 251-127.)

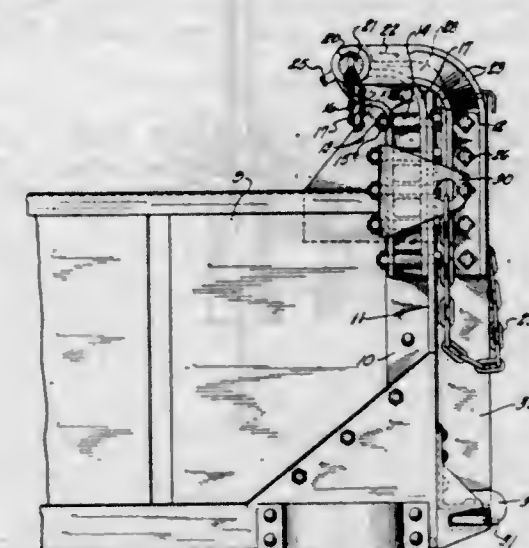


1. A back pressure valve for drill stems through which flushing water is pumped, comprising a valve chamber in said drill stem, a valve member therein, a valve seat above said valve, said valve member having an upwardly tapered surface to fit said seat, and means on said valve and spaced above said surface to deflect the flushing fluid from said valve surface.

1,740,771. BENZANTHRONE CARBOXYLIC ACIDS AND PROCESS OF PREPARING THEM. GEORGE KRÄNZLEIN and HEINRICH VOLLMANN, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 9, 1927. Serial No. 218,573, and in Germany Sept. 20, 1926. 9 Claims. (Cl. 260-61.)

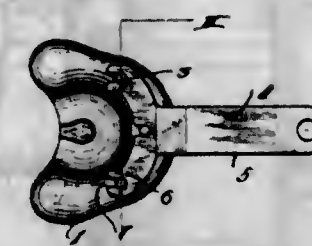
1. The process of preparing a benzanthrone carboxylic acid consisting in treating a methyl benzanthrone with an oxidizing agent in the presence of an alkali.

1,740,772. HINGE FOR REAR GATES. GEORGE KUHLMAN, Long Island City, N. Y., assignor to The Hell Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 8, 1927. Serial No. 218,262. 5 Claims. (Cl. 296-56.)



1. The combination with a truck body having end members extending above the sides of the truck body, of inwardly bent hinge members secured to the end members, a rear gate, and inwardly bent hinge members each having a recess opening downwardly to form a pocket, said last hinge members being secured to said rear gate and in pivotal connection with the body hinge members, said pockets being adapted to receive the upper portions of the body hinge members and said rear gate hinge members thereby fitting above and in front of the body hinge members when the rear gate is closed.

1,740,773. DENTAL IMPRESSION TRAY. BENJAMIN LURIE, Chicago, Ill. Filed Oct. 18, 1926. Serial No. 142,329. 1 Claim. (Cl. 32-6.)

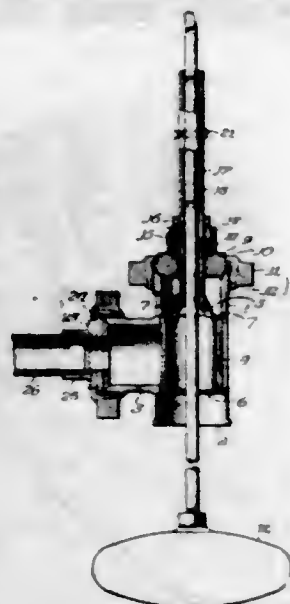


A dental impression tray, a plurality of pins secured to said tray, the pins each having an integral head and being widely spaced one from the other, and a handle terminating in an offset end having substantially parallel longitudinal slots therein adapted to receive the pins, the pins being so positioned and the offset end being so formed that when the handle is in its operative position on the tray a portion of the tray extends rearwardly of the offset end to form an abutment against which a finger of the user of the tray may engage while he disengages the handle by applying a force parallel to the handle.

1,740,774. VALVE DEVICE. CHARLES B. MACK, Chicago, Ill., assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill., a Corporation of Illinois. Filed Dec. 22, 1924. Serial No. 757,891. 13 Claims. (Cl. 137-104.)

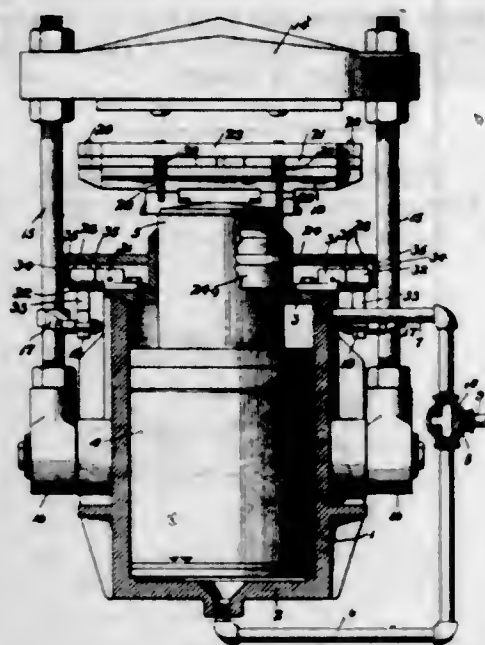
1. A device of the class specified having a tubular valve chamber, a side inlet passage to said chamber, a tubular

valve having a tubular extension projecting through one end of said chamber, an operating member extending



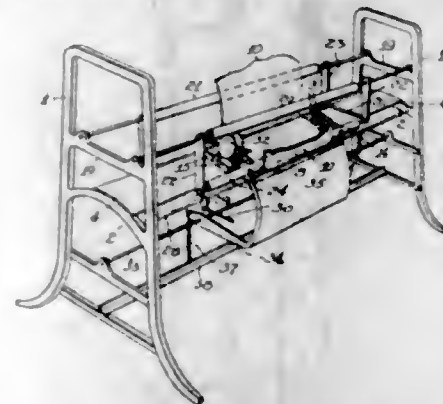
through said extension, valve and valve chamber, and means for permitting adjustment between said operating member and said extension.

1,740,773. MOLDING MACHINE. THURLOW E. McFALL, Sparta, Mich., assignor to Sparta Foundry Company, Sparta, Mich., a Corporation of Michigan. Filed Apr. 23, 1928. Serial No. 272,009. 10 Claims. (Cl. 22—48.)



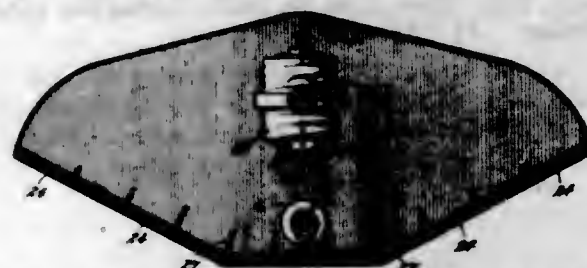
1. A molding machine comprising, a vertical cylinder, a piston mounted for reciprocation therein, a head at the upper end of the cylinder, a ram on the piston passing through said head, a valve casing, a pipe leading from one side thereof to the lower end of the cylinder, a second pipe leading from the opposite side of the valve casing to the upper end of the cylinder, a third pipe adapted to carry compressed air leading into the valve casing between the two first mentioned pipes, and a rotary valve mounted in the valve casing and having passages adapted in one position to connect the compressed air carrying pipe with the first mentioned pipe to carry compressed air into the lower end of the cylinder and in another position to connect the first and second mentioned pipes to carry air from the lower part of the cylinder to the upper part thereof around said ram, the opening through the upper head of the cylinder for the passage of the ram permitting a leakage of air therethrough around the ram.

1,740,776. ELECTRIC SINGING MACHINE. TRIZO MURAI, Kyoto; ISAO SAKKI, Osaka; and HEIICHIRO SATO, Kyoto, Japan. Filed Aug. 11, 1928, Serial No. 299,016, and in Japan July 7, 1928. 5 Claims. (Cl. 28—3.)



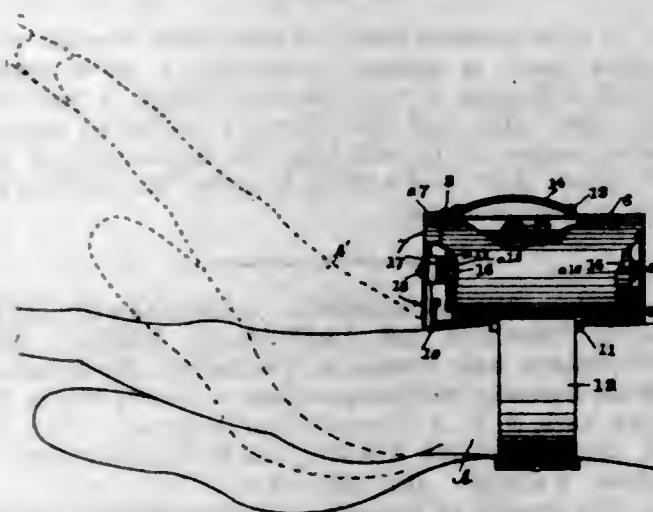
1. An electric singing machine operating on cloth material, comprising a plurality of singeing elements having a plurality of parallel electric wires, guide plates interposed between said elements and arranged parallel to the electric wires, the cloth to be singed being spaced from the electric wires and supported on said guide plates during passage through the machine.

1,740,777. AUTOMOBILE SIGNALING DEVICE. HOWARD J. MURRAY, Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 6, 1925. Serial No. 48,560. 10 Claims. (Cl. 177—327.)



1. In a device for selectively indicating one of two oppositely disposed directions, the combination of a projector having on one side a plurality of light screens disposed substantially equidistant apart and relatively close together in a straight line parallel to the direction to be indicated, a single source of light for illuminating said screens, one at a time, and means acting on the light from said source for causing the same to rotate about a fixed axis and illuminate said screens successively and rapidly from one end of the line to the other, and thus cause in effect a spot of light to move in the straight line.

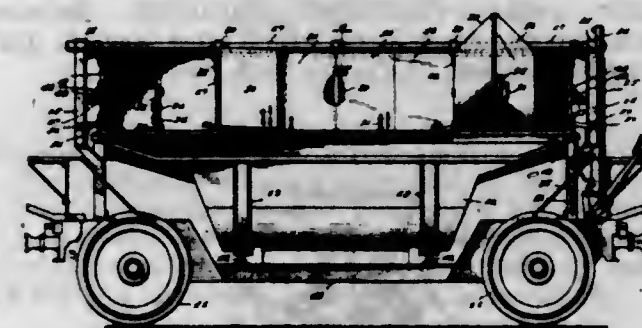
1,740,778. WRIST DRIVING SIGNAL LAMP. JOHN E. NASH, Bellingham, Wash. Filed Feb. 8, 1928. Serial No. 252,733. 1 Claim. (Cl. 177—329.)



A wrist signal flash lamp consisting of a box having an open front end, a lens mounted in an opening in the top

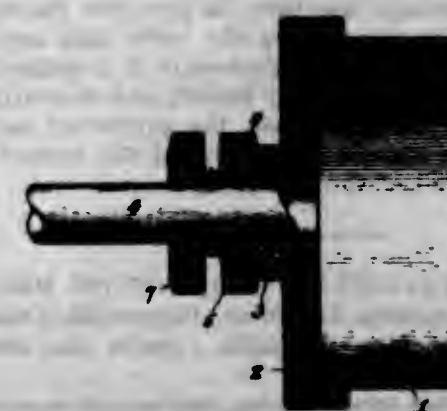
wall of said box, an incandescent electric lamp mounted in said box in the axis of said lens, an electric battery installed in said box, electrical connections between said battery and said lamp normally open at one place, a cover hinged on said top wall over said open end engaged with a catch on the front edge of the said bottom wall of said box, said catch on said bottom box wall adapted to allow limited movement of said cover on said hinge when engaged therewith, a spring in said electric circuit reacting on said cover tending to maintain it in its most open position but yielding under pressure to allow said cover to move on said hinge to its closed position and close said normally open electric circuit through said lamp, and means to releasably fasten said lamp to a human wrist disposed with its bottom wall bearing on said wrist and said open edge of said cover adjacent the hand on said wrist.

1,740,779. DUMPING VEHICLE. TRULY NOLEN and ROBERT T. PERRINE, Indianapolis, Ind., assignors, by direct and mesne assignments, to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Oct. 12, 1925. Serial No. 61,961. 8 Claims. (Cl. 298—23.)



1. In an upwardly open dump body vehicle, a cover therefor including a pair of open frames pivotally supported above the body on axes extending parallel to and adjacent the longitudinal center of the vehicle, each frame being provided with a plurality of cover portions for closing the same, said cover portions being hinged together in pairs and arranged on said frame to permit any pair of covers to be folded upon themselves to provide an opening in the frame, and counter-balancing mechanism adjacent the end of the body, connected to the frames, adapted to continue to raise said frames after they have been raised to a predetermined point whereby to permit clearance of the body during discharge operations.

1,740,780. METALLIC PACKING. FRANK J. OVEN, Chicago, Ill., assignor to Victor Mfg. & Gasket Co., a Corporation of Illinois. Filed Oct. 25, 1920. Serial No. 419,449. 1 Claim. (Cl. 285—46.)



A packing having in combination with a shaft and an outer concentric flange spaced therefrom, an annular strip of flexible refractory material, an annular metal casing enclosing said material, the inner peripheral wall of said casing snugly fitting said shaft, said casing having on

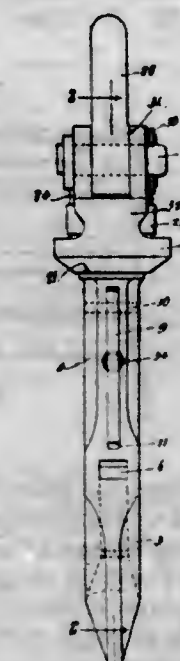
the outer peripheral wall and between its ends overlapping marginal portions, said outer peripheral wall when not deformed being spaced from said flange and said overlap being operative to reinforce the overlapping portions against flexure, and means for compressing said material and unreinforced portion of said outer wall to flex said unreinforced portion into engagement with said flange, said shaft holding said inner peripheral wall against flexure.

1,740,781. SIDE BRASS FOR ROLLING-MILL HOUSINGS. CLIFFORD F. PERK, Chesterton, Ind. Filed Aug. 15, 1927. Serial No. 212,937. 6 Claims. (Cl. 80—1.)



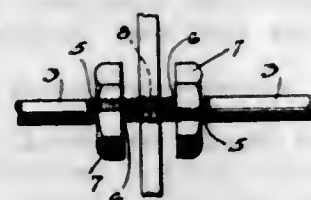
1. In a rolling mill, a housing, a pair of rolls supported therein, a pair of beveled and flanged side braces for each roll said braces being positioned adjacent the down side of the roll's rotation in simultaneous engagement with the surface of the roll near its ends, against each end and the necks of the roll to thereby direct grease away from the surface of the roll.

1,740,782. SAFETY HOOK. JAMES P. RATIGAN, Los Angeles, Calif. Filed Oct. 9, 1928. Serial No. 311,287. 3 Claims. (Cl. 24—238.)



1. A safety hook comprising a slotted head, a stem projecting from the head, a latch slidably mounted in the head and provided with a recess and adapted to project into the slot, and a latch operating means including a pivoted arm projecting into the recess, the front wall of the recess engageable with the free end of the arm at an angle that tends to shorten said arm when pressure is exerted against the latch in a direction to tend to retract said latch.

1,740,783. SPINDLE MOUNTING FOR CREELS. ARTHUR L. REMINGTON, Worcester, Mass., assignor to Warp Compressing Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 24, 1926. Serial No. 156,873. 3 Claims. (Cl. 242—131.)



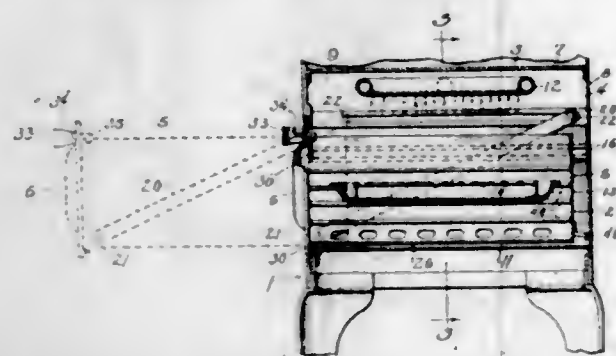
1. In an improved mounting for spindles, a frame member having an opening extending therethrough, and a pair of aligned spindles having cut away portions in complementary relation received within said opening.

1,740,784. HOLDER FOR YARN PACKAGES. ARTHUR L. REMINGTON, Worcester, Mass., assignor to Warp Compressing Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 11, 1927. Serial No. 182,922. 3 Claims. (Cl. 242—130.)



1. In a device of the class described, a threaded spindle having a portion thereof flattened with the threads projecting beyond the remainder of the spindle and a holder for a yarn package having an opening to freely receive said spindle, the threads on the flattened portion of said spindle cutting into said holder to maintain it on the spindle.

1,740,785. BROILER OVEN. WALTER FRANCIS ROGERS and JOHN CLARENCE ROGERS, Chicago, Ill. Filed Dec. 8, 1927. Serial No. 238,539. 7 Claims. (Cl. 126—41.)

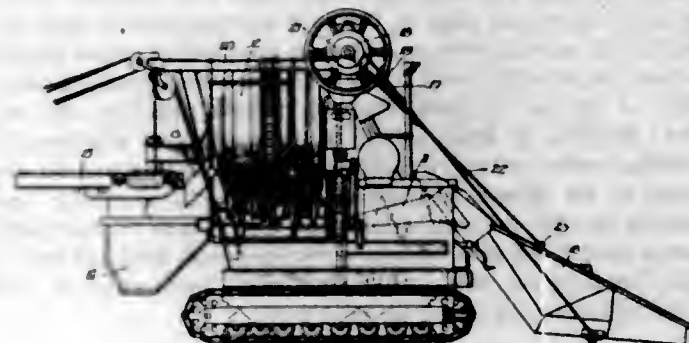


1. In a device of the character described, a broiler oven of the drawer type, access to the interior of which may be had from the front, lateral means adjacent to the top of said oven for guiding and mainly supporting the drawer member and auxiliary means including diagonal tension links disposed on each side to support the front part of the drawer from above when open.

1,740,786. SNUBBER FOR CONCRETE-MIXER SKIPS. ADOLPH W. RYBECK, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 28, 1926. Serial No. 125,407. 2 Claims. (Cl. 214—130.)

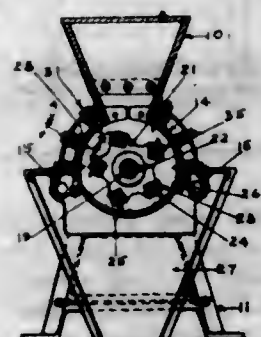
1. In a concrete mixer, a frame, a discharge boom and bucket extending from one side of the frame, a loading skip upon the other side of the frame, a hoisting cable

connecting the skip and the upper portion of the frame, and means in addition to said cable permanently con-



necting the skip to the upper portion of the frame whereby the skip exerts a load on the frame when the skip rests on the ground in its lower position.

1,740,787. GRAIN-CRACKING MACHINE. DELMOND SENSENBRAUGH, Bloomington, Ill. Filed Aug. 5, 1927. Serial No. 210,866. 4 Claims. (Cl. 83—6.)

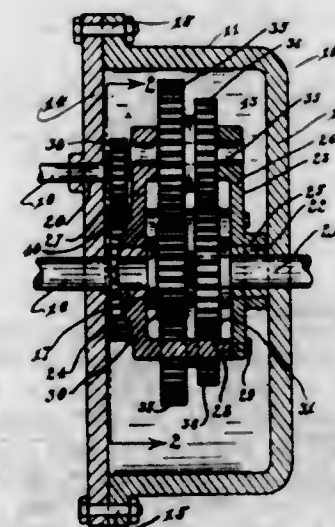


1. In a machine for cracking grain, a rotary shaft, and attached cutters, a casing enclosing said shaft and cutters, comprising head portions and two side plates, a screen disposed below the rotary cutters, a hopper attached to the side plates in a manner to direct the grain therebetween, a plurality of stationary knives carried by the side plates, and disposed parallel with respect to the rotating shaft, mechanism permitting exterior manual adjustment of the stationary knives during movement of the rotary shaft and attached cutters, including supporting guideways for the stationary knives formed interiorly of the side plates, a series of bolt members embedded in the stationary knives and having their threaded ends projecting outwardly through apertures in the side plates, a series of coil springs surrounding the bolts, said springs being located in the supporting guideways in a manner to apply tension upon the stationary knives, and manually operated nut portions threaded upon the projecting ends of the bolts in such manner as to control the inward and outward movement of the stationary knives.

1,740,788. VARIABLE-SPEED DRIVING MECHANISM. LESLIE MITCHELL SHERIDAN, Coppercliff, Ontario, Canada. Filed May 28, 1928. Serial No. 281,090. 1 Claim. (Cl. 74—34.)

In a variable speed driving mechanism, a casing forming a gear box and having shaft bearings, a drive shaft journaled in said gear box and at its central axis, an auxiliary drive shaft journaled in said gear box and adjacent said drive shaft, a driven shaft journaled in said gear box and opposite said drive shaft and in alignment therewith, a gear casing rotatably journaled in said gear

box and in the axis of said drive shaft and said driven shaft, a gear rigidly mounted on said auxiliary driving shaft and meshing with a gear secured to said gear casing and at its central axis, a gear rigidly mounted on said drive shaft and in said gear casing, a gear of greater



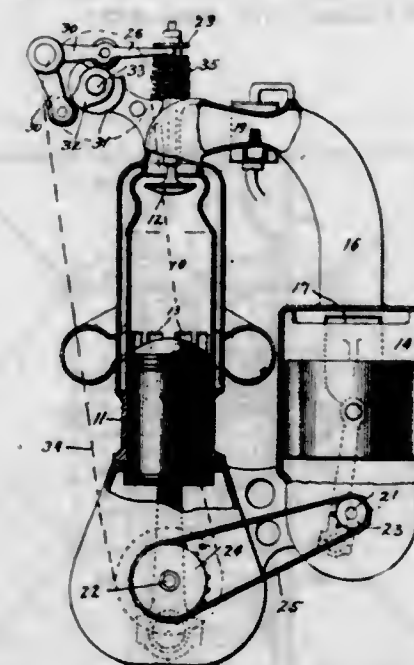
diameter mounted on said driven shaft and in said gear casing, a plurality of gears journaled on shafts mounted at regular intervals in said gear casing and equidistant from the centre and meshing with said gear on said driving shaft, each fixed to a reduced gear similarly mounted and meshing with said gear on said driven shaft.

1,740,789. VERTICALLY-PIVOTED WALL BED. NEIL SINCLAIR, Oakland, Calif., assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif., a Corporation of California. Filed Dec. 13, 1927. Serial No. 289,655. 13 Claims. (Cl. 5—170.)



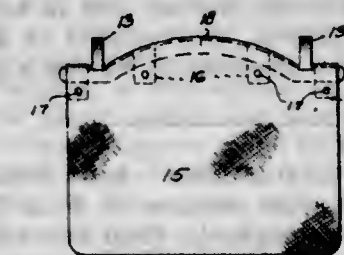
1. A wall bed, means by which the bed is vertically pivoted to swing through a doorway from one side of a wall to the other side, a door for said doorway, means by which the door is mounted so as to be reversible in said doorway and laterally movable with respect to the pivotal mounting of said bed upon swinging the bed, means, arranged and adapted for effecting such lateral movement of the door upon swinging the bed through the doorway and means for adjusting the amount of such lateral movement of the door for clearing the jamb.

1,740,790. GAS ENGINE. WARREN F. STANTON, Pawtucket, R. I. Filed Jan. 10, 1919, Serial No. 270,558. Renewed May 1, 1926. 14 Claims. (Cl. 123—65.)



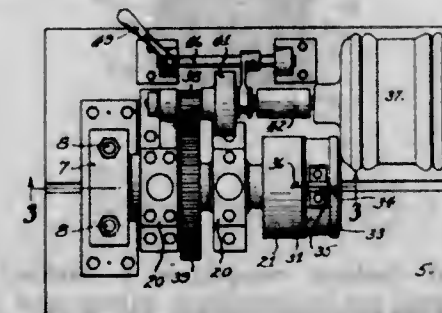
1. An internal combustion engine having an air pump and means to vary the volume of air passing through the pump inversely to the barometric pressure of the atmosphere comprising simultaneously but reversely acting inlet and exhaust controlling means.

1,740,791. BACK REST FOR BATHTUBS. MITCHELL STERN, Philadelphia, Pa. Filed Apr. 13, 1929. Serial No. 354,813. 3 Claims. (Cl. 4—185.)



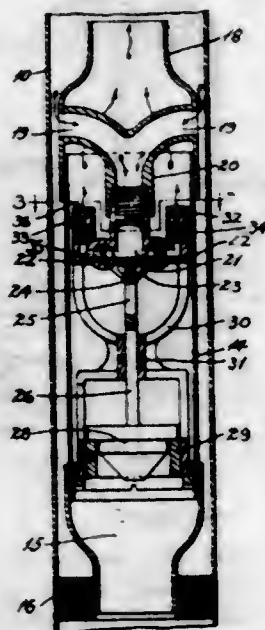
1. A back rest for bath tubs comprising a thin flat cross bar and bath tub engaging support devices therefor, the central part of the bar being arched in its major plane, said bar being flexible and resilient, and a pad device detachably attached thereto.

1,740,792. FLUE-BULGING MACHINE. FREDERICK W. STRACHAUER and FRANK B. GILLET, Sacramento, Calif. Filed Nov. 21, 1928. Serial No. 320,915. 10 Claims. (Cl. 153—81.)



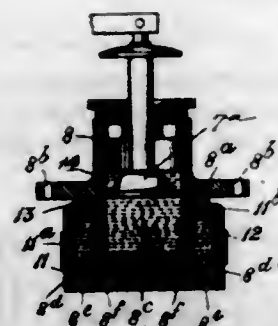
1. A machine for expanding tubular objects comprising a chuck having a plurality of jaws adapted to surround and hold a tube, said chuck having an annular interior recess; means for separating said jaws; a member positioned within the tube for expanding it into said recess; and means for moving said member in an orbit of gradually changing radius.

1,740,793. AUTOMATIC FLUID-PRESSURE PUMP. PHILIP SUBKOW, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed Jan. 9, 1929. Serial No. 331,267. 7 Claims. (Cl. 103-232.)



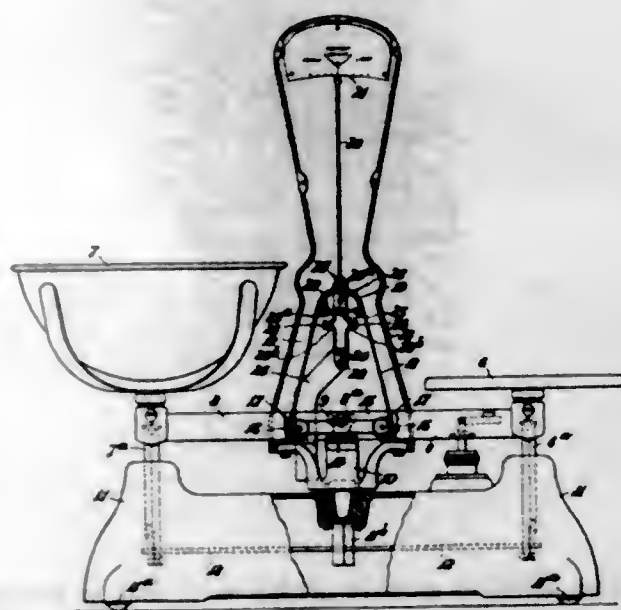
1. A fluid pressure device for flowing liquids comprising a housing enclosing a receiving chamber, a liquid control valve actuable in one direction by liquid pressure outside the chamber and in another direction by gravity, a gas admission valve actuable thereby, and an additional valve actuable to one position by a velocity of gas to cut off gas admission when the velocity reaches a predetermined maximum.

1,740,794. LIQUID DASHPOT. JOHN WILLIAM TAYLOR, Birmingham, England, assignor to W. & T. Avery Limited Birmingham, England. Filed Jan. 19, 1928, Serial No. 247,926, and in Great Britain Oct. 15, 1927. 5 Claims. (Cl. 188-96.)



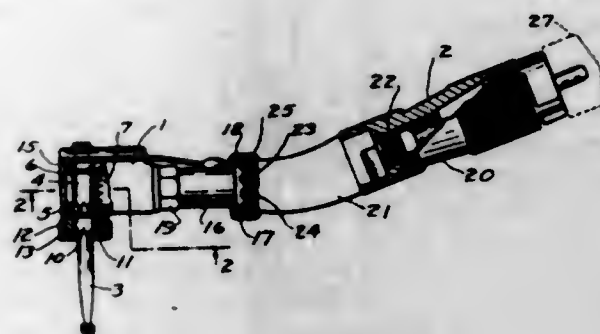
1. A liquid dashpot comprising a dashpot cylinder, a piston adapted for reciprocation within said cylinder, a container, means for placing the interior of the said container into communication with the interior of the cylinder, means for drawing liquid from the cylinder into the container for storage purposes and for subsequently forcing liquid from the container into the cylinder and means for effecting a fluid tight sealing of the means of communication between the interior of the container and the interior of the cylinder.

1,740,795. WEIGHING APPARATUS. JOHN WILLIAM TAYLOR, Birmingham, England, assignor to W. & T. Avery Limited, Sobo Foundry, Birmingham, England. Filed June 18, 1928, Serial No. 286,247, and in Great Britain July 2, 1927. 6 Claims. (Cl. 265-58.)



1. A weighing scale comprising a lever system, a supporting member fixed relatively to said lever system, a flexible strip resistant anchored at its centre to said member, a frame secured to the ends of the strip resistant, an indicator carried by said frame and means for transmitting the motion of the lever system to the said frame.

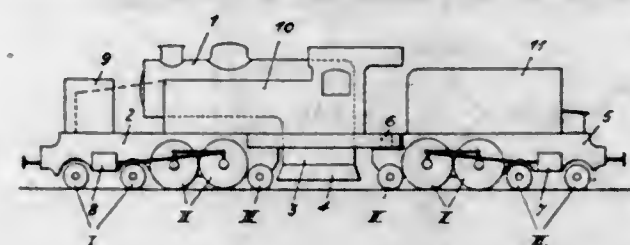
1,740,796. DENTAL HAND PIECE. WALTER J. TERRY, Seattle, Wash. Filed Dec. 13, 1926. Serial No. 154,355. 5 Claims. (Cl. 32-11.)



2. In an angular handpiece of the class described, a head, a handle, a spindle in the said head, a nut for holding the said spindle in place, a packing gland at the end of the said nut, and another nut adaptable to screw on the exterior of the said former nut to hold the said packing gland and thereby seal the end of the said device around the burr.

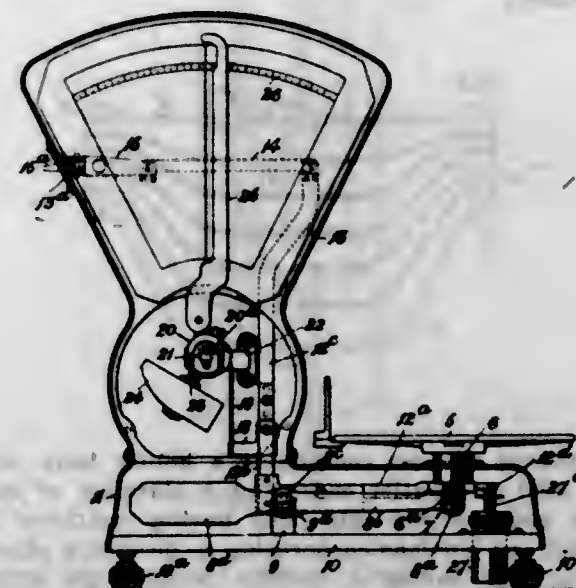
5. A spindle for holding the tool in dental handpieces having a partial flange for permitting it to be readily removed.

1,740,797. ARTICULATED TANK LOCOMOTIVE. WILHELM THORMANN, Hanover-Linden, Germany. Filed Dec. 14, 1926, Serial No. 154,755, and in Germany Oct. 9, 1926. 8 Claims. (Cl. 105-37.)



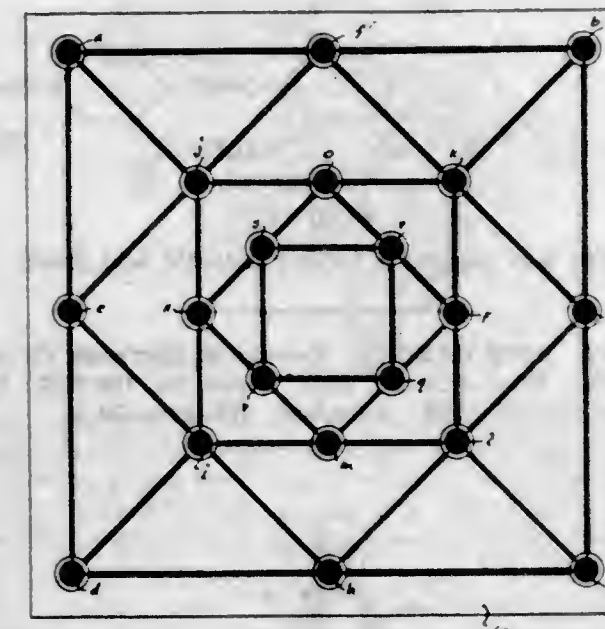
1. An articulated locomotive comprising a set of wheels arranged in a rigid frame adjacent one end of the fire box and a set of wheels arranged in a bogie frame adjacent the other end of the fire box and pivoted to said rigid frame, separate driving mechanism operatively connected with each set of wheels, a pair of trailing carrying wheels in said rigid frame and a pair of leading carrying wheels in said bogie frame, a boiler carried on said rigid frame, and a fire box extending downwardly from said boiler intermediate said trailing and leading pairs of wheels.

1,740,798. AUTOMATIC WEIGHING DEVICE. WILLIAM TIMSON, Birmingham, England, assignor to W. & T. Avery Limited, Birmingham, England. Filed Aug. 29, 1927, Serial No. 216,277, and in Great Britain May 12, 1927. 4 Claims. (Cl. 265-36.)



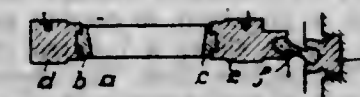
1. A fully automatic weighing apparatus of the fan type comprising a base, a lever fulcrumed on said base, a single scale plate, a supporting means for said scale plate mounted on one end of said lever, a check stay comprising a horizontal section and a plurality of vertical sections the horizontal section having connection with the aforesaid goods plate supporting means, a housing, a pendulous resistant mechanism located in said housing, a check link pivotally mounted in the upper portions of said housing said check link having a pivotal connection at one end with the upper end of the vertical portion of the check stay, a bracket secured to one end of one of the vertical sections of the check stay and means for connecting the said bracket to the pendulous resistant mechanism.

1,740,799. GAME. EDWIN L. VONDERSAAR, Indianapolis, Ind. Filed Aug. 6, 1928. Serial No. 297,703. 1 Claim. (Cl. 273-181.)



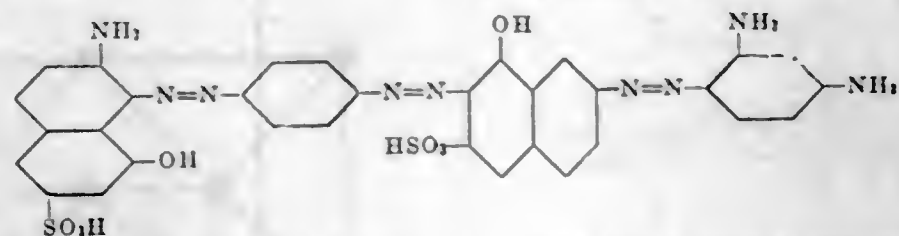
In a game, a board laid out to have an outer square; a second square turned forty-five degrees from the first square and having its corners on the sides of said first square; a third square turned forty-five degrees from the second square and having its corners on the sides of the second square; a fourth square turned forty-five degrees from the third square and having its corners on the sides of the fourth square; a fifth square turned forty-five degrees from the fourth square and having its corners on the sides of the fourth square, and a station at each corner of each square connected only by lines which define the squares, and a line drawn from each corner of the first square to and terminating at the respective nearest corner of the third square, said last mentioned lines being the only lines on said board which are not sides of one of said squares, all of said lines being lines of movement of buttons between the stations which the lines connect, and two sets of buttons adapted to be played between said stations.

1,740,800. METHOD OF MAKING BLADE RINGS FOR RADIAL-FLOW TURBINES. OSCAR ANTON WIBERG, Finspong, Sweden. Filed July 16, 1926, Serial No. 122,633, and in Great Britain Sept. 1, 1925. 5 Claims. (Cl. 29-156.8.)



1. A method of manufacturing blade rings for radial flow turbines which comprises taking separate pieces of material, forming the central portion of said material into buckets ending at a certain distance from both ends of the

respective pieces, forming dove-tail projections on the outer surfaces of the remaining end portions, forming annular grooves in the opposite faces of two strengthening rings to receive said dovetail projections, bringing said projections into engagement with said grooves, and fastening the projections in said engagement by a rolling operation to form a unit blade ring structure that may be secured as a whole to a turbine wheel.



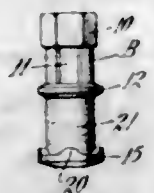
and which may contain a further sulfonic acid group.

1,740,802. PIPE HANGER. LOTHAR R. ZIFFERER, Columbia, Pa. Filed June 18, 1927; Serial No. 199,706. Renewed Apr. 26, 1929. 3 Claims. (Cl. 248-31.)



1. A pipe hanger formed of inseparable sections comprising a pipe receiving element, a collar on said element, a sleeve mounted in said collar, spaced integral stops on the sleeve on opposite sides of the collar preventing disengagement of the sleeve and collar, cooperating elements on the collar and one of the stops for resisting relative rotation of the collar and sleeve, the other stop being spaced from the first stop a distance sufficient to allow longitudinal movement of the collar on the sleeve, whereby the ring is freed for rotation on said sleeve.

1,740,803. PIPE HANGER. LOTHAR R. ZIFFERER, Columbia, Pa. Filed Apr. 26, 1929. Serial No. 853,419. 6 Claims. (Cl. 248-31.)



1. The method of producing a pipe hanger which consists in casting a sleeve having at one end thereof a toothed stop, in applying to a portion of the sleeve including the stop, an insulation through which the form of the stop teeth is preserved, in casting around said insulated portion of the sleeve a collared ring which receives toothed impressions from the sleeve, and in removing the insulation from between these parts whereby the two sets of teeth may co-operate.

1,740,804. SPRING COVER. ADNA F. BLANCHARD, Tampa, Fla. Filed Oct. 8, 1925. Serial No. 61,214. 3 Claims. (Cl. 287-37.)

1. A cap for clip-enclosing portions of boots of the character described comprising a blank of flexible sheet

1,740,801. PRODUCTION OF BLACK TRISAZO DYE-STUFFS. GEORG WOLFSLEBEN, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 1, 1927, Serial No. 217,020, and in Germany Sept. 6, 1926. 3 Claims. (Cl. 260-72.)

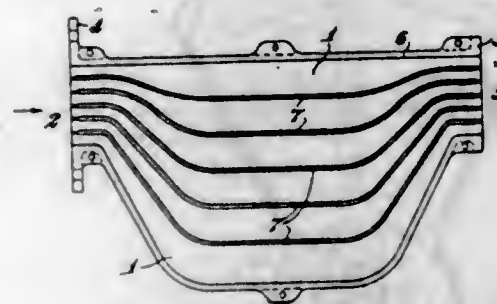
1. As new article of manufacture, black trisazo dye-stuffs which probably correspond to the formula

material having opposite longitudinal edge portions folded inward on parallel lines and in overlapped relation upon the body of the blank and the end portions only of the



inturned portions secured to the body of the blank, and having the intermediate body portion thrust outwardly between the inturned portions to form a continuous seamless recessed cap for the purposes described.

1,740,805. EXHAUST SILENCER FOR INTERNAL-COMBUSTION ENGINES. CECIL HENRY BRICE, Brighton, England. Filed Apr. 27, 1929, Serial No. 358,647, and in Great Britain Apr. 10, 1928. 1 Claim. (Cl. 137-160.)

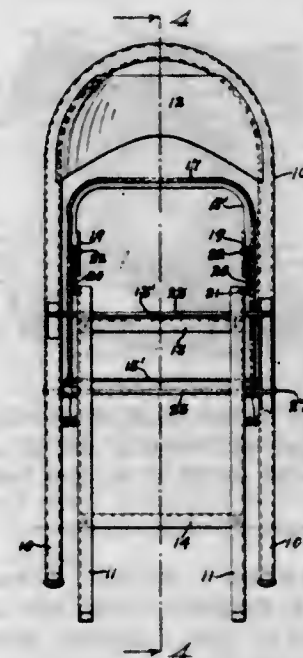


An exhaust silencer comprising a hollow body having coaxial inlet and outlet ends, and a plurality of spaced deflector walls within said body having restricted inlet and outlet end portions cooperating to provide a plurality of ducts each having a portion between its ends of greater cross-sectional area than its relatively restricted inlet and outlet end portions.

1,740,806. FOLDING CHAIR. WERNER E. CLARIN, Chicago, Ill., assignor to Beacon Steel Furniture Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1928. Serial No. 267,590. 4 Claims. (Cl. 155-143.)

3. A folding chair comprising two pairs of legs pivotally connected, a seat pivotally mounted with its rear portion between one pair of said legs, said seat having at its sides depending flange means doubled-over at the lower portion and having integral inwardly extending horizontal flange means thereon, bracket means secured inwardly on said horizontal flange means, and a pair of links pivoted each at one end to the upper end of one of the second pair of said legs, and pivoted at its other end to one of

said bracket means, between the latter and the doubled-over flange portion, to permit resting the front part of



said seat on the top ends of said second pair of legs and to cover and conceal said top ends of said legs and the connected links by said depending flange means.

1,740,807. AIR OR GAS LIFT FOR FLUIDS. LESLIE R. CLIFFORD, Texarkana, Ark. Filed May 13, 1927. Serial No. 191,113. 2 Claims. (Cl. 103-232.)

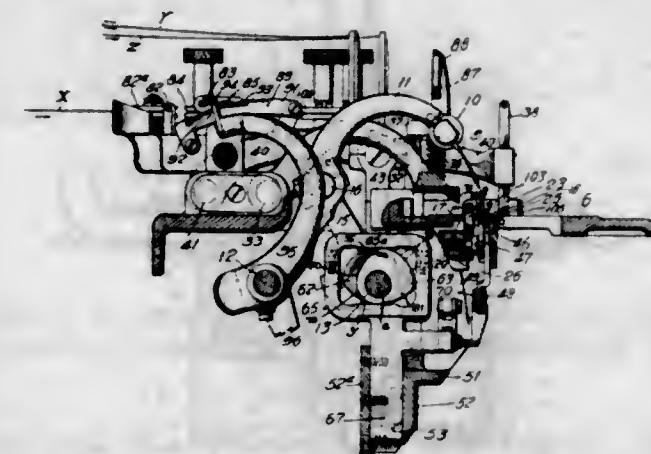


1. In an air or gas lift for fluids, the combination of an eduction pipe tapered intermediate its ends to form an enlarged inlet end and an outlet end of reduced cross section, and an air or gas nozzle within said pipe, said nozzle having discharge ducts positioned in substantial transverse alignment with the smaller end of the tapered portion of said pipe, said discharge ducts being disposed radially outward at an angle to the wall of said tapered portion.

1,740,808. OVERSEAMING SEWING MACHINE. CHARLES R. COLT, Brooklyn, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a Corporation of New York. Filed Mar. 17, 1928. Serial No. 95,382. 36 Claims. (Cl. 112-162.)

6. In a sewing machine, the combination with a bed plate, of a work plate mounted thereon and provided with a needle opening, a reciprocating needle movable into and

out of said opening, a main shaft journaled on said work plate, a U-shaped hanger depending from and connected to the work plate on opposite sides of the needle opening, said hanger being centrally formed with a vertical guideway, a looper pivoted on the hanger at one

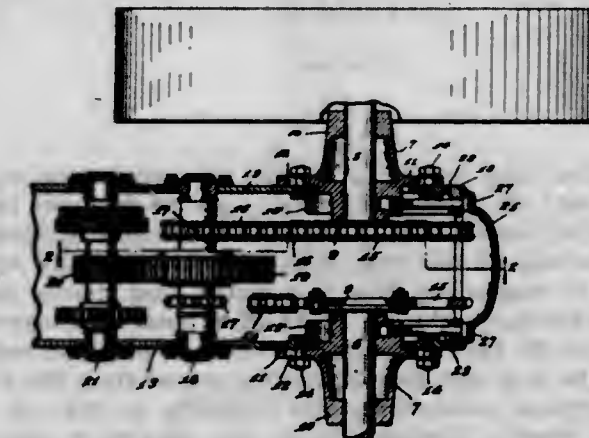


side thereof and at one side of the needle opening for co-operation with the needle, and means for driving the looper comprising a cam fixed to said shaft, a vertically reciprocating frame actuated by said cam and slidable in said guideway, and a link connecting the looper and the frame.

1,740,809. PROCESS FOR THE MANUFACTURE OF METALLIC XANTHATES. CECIL JOHN TURRELL CRONSHAW and WILLIAM JOHNSON SMITH NAUNTON, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed Feb. 17, 1926, Serial No. 88,915, and in Great Britain Mar. 27, 1925. 7 Claims. (Cl. 260-11.)

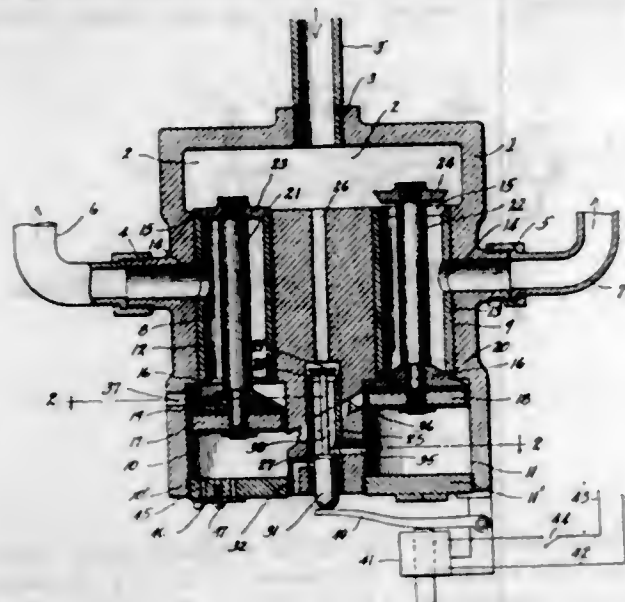
6. In obtaining insoluble xanthates in a high state of purity, the process which comprises treating an aqueous solution of crude alkali metal xanthate with just sufficient very dilute acid to remove thiocarbonates and free alkali and produce a solution which is neutral to yellow paper, and adding thereto a solution of a soluble salt of a metal which forms an insoluble xanthate.

1,740,810. TRACTOR. DAVID P. DAVIES, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a Corporation. Filed Aug. 3, 1928. Serial No. 297,268. 4 Claims. (Cl. 160-72.)



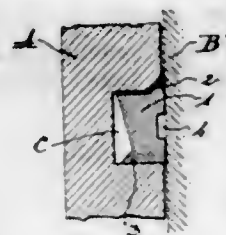
1. The combination, in a tractor, of a casing embodying upper, lower and side walls and having an opening in its end, driving mechanism enclosed in the casing, bearing carriers in the casing, a divided axle supported by said carriers, a sprocket on the inner end of each section of said axle, chains within said casing connecting each of said sprockets and the driving mechanism, bolts supported in the casing and connected to the carriers for independently adjusting each of the axle sections toward and from the driving mechanism to tighten or loosen said chains, and a cover for the opening in the casing embodying means for locking and retaining said bolts in adjusted position.

1,740,811. VALVE. LA VERNE DRAKE, Lake Stevens, Wash. Filed Feb. 16, 1927. Serial No. 168,648. 2 Claims. (Cl. 121-46.)



1. An air jack mechanism of the character described comprising a compressed air chamber with outlets for connection with the elevating and retracting sides of a jack cylinder, a control valve for each outlet, actuating means for each valve and a manually operable control means for admitting air from the chamber to the control means of the valve for the elevating side of the jack to open that valve, and communicating means between the valve actuating means whereby exhaust air from the elevating side of the jack is caused to open the valve of the retracting side of the jack so as to admit air from the chamber through the outlet to the retracting side of the jack.

1,740,812. PISTON RING. ALBERT M. FARMER, Chicago, Ill. Filed July 27, 1923. Serial No. 654,121. 1 Claim. (Cl. 74-109.)

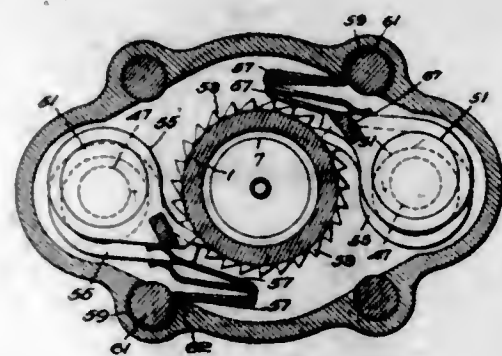


A piston ring having a rib at the inner base edge thereof, said rib having a surface co-planar with the base and another surface sloped from the base plane upwardly and outwardly of the ring, thereby forming a knife edge adapted to engage the base of a piston ring groove, said ring also having another rib at the upper outer edge thereof, said latter rib having a surface co-planar with the outer wall of the ring and another surface sloped from the last named surface downwardly and inwardly to the top of the ring, thereby forming a knife edge adapted to engage a cylinder wall.

1,740,813. DRILLING MACHINE. GEORGE H. GILMAN, Belmont, Mass. Filed July 24, 1922, Serial No. 577,010. Renewed May 8, 1929. 8 Claims. (Cl. 121-7.)

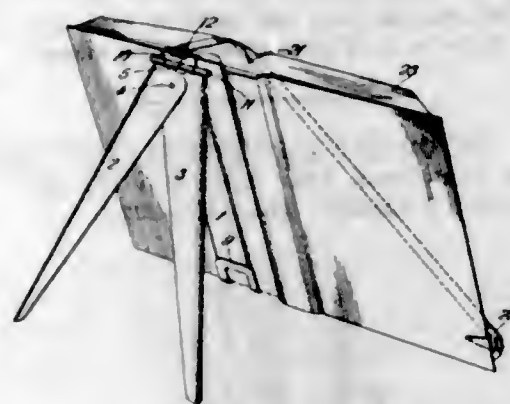
1. In a rock drill, the combination with a drill steel, a chuck for said steel, a hammer for operating said drill steel, and an independent rotary type motor for rotating said steel, of reduction gearing comprising a series of ratchet teeth carried by said chuck, a plurality of eccentrics angularly arranged relatively to each other and driven by said independent motor, pawls carried by said

eccentrics and cooperating with said series of ratchet teeth, and means for changing the speed of rotation of



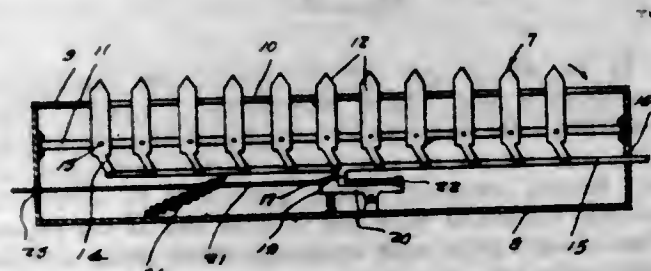
said chuck relatively to the speed of rotation of said motor comprising means for withholding one of said pawls from engagement with said series of ratchet teeth.

1,740,814. BOOKREST. PHILIP CARLETON HUNTER, Richmond, Surrey, England. Filed Mar. 26, 1927, Serial No. 178,538, and in Great Britain Jan. 21, 1927. 6 Claims. (Cl. 45-80.)



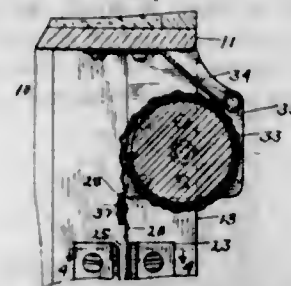
1. A book rest comprising in combination a tube and a rod constituting an extensible and contractible clamp, a book-engaging hook at the free extremity of the tube, a book-engaging hook at the free extremity of the rod, a hinge member connected to one element of said clamp, two stays formed by a hairpin spring journaled at the right in said hinge member and a clip on one element of said clamp for retaining the parts in folded relationship.

1,740,815. RAILROAD-CROSSING GATE. EDWARD L. IRSIK, Ingalls, Kans. Filed Apr. 15, 1929. Serial No. 355,321. 1 Claim. (Cl. 240-298.)



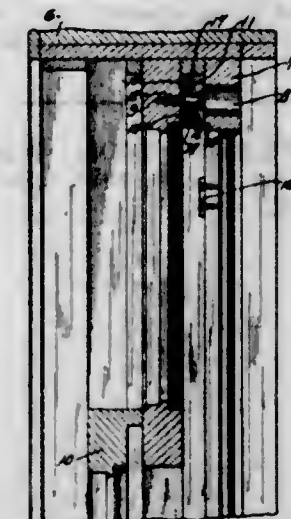
A railroad crossing gate comprising a housing embedded in a roadway, a plurality of pivotally mounted and normally concealed members arranged within the housing, track means for elevating the said members to protrude upwardly from the housing when engaged by rolling stock, latch means for retaining the pivotal members in elevated position after the rolling stock has released the said track mechanism, additional track mechanism for releasing said retaining means after the rolling stock has passed the roadway, and spring means for retracting the pivotal members.

1,740,816. ROLLER SCREEN. JOSEPH F. KALETAY, New York, N. Y. Filed June 16, 1927. Serial No. 199,185. 1 Claim. (Cl. 156-39.)



In a device of the character described, in combination with a roller and a suitably guided and reinforced mesh screen thereto attached, sideplates adaptable for mounting on the inner side walls of a window casing and projecting outward beyond the front face of the said casing and covering the outer portions of the ends of the said roller and the end space occurring between the said mesh screen and a closure plate adjacent thereto, substantially as shown and described.

1,740,817. VENTILATOR. EMIL KAUSCH, Milwaukee, Wis. Filed Mar. 29, 1928. Serial No. 265,753. 8 Claims. (Cl. 98-97.)



1. In a window frame the combination with a storm sash having an opening therein adjacent an end of the window frame, and a movable inner sash, of a regulating member secured to the inner sash and movable therewith, said regulating member covering the opening when the inner sash is closed and exposing the opening when the inner sash is opened.

1,740,818. PRESSURE-FLUID HAMMER. VIRGIL SKEEN KILLINGSWORTH, Jennings, Okla. Filed Sept. 4, 1926. Serial No. 133,658. 4 Claims. (Cl. 121-30.)

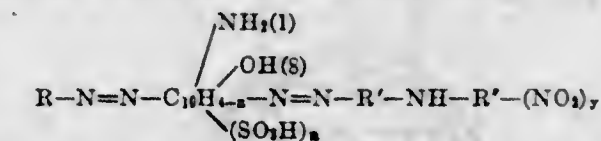


1. In a power hammer, a barrel, a power cylinder at one end of said barrel, a striker member having a shank movably supported in said barrel, said shank having an axial socket open at the end of the shank which is proximate to said power cylinder, a piston reciprocable in said power cylinder, a piston stem extending from the power cylinder into the socket in the shank of said striker member, a collar secured on said piston stem and disposed in said socket in sliding contact with the wall of said socket, a compression spring disposed within said socket between said collar and the inner end of said socket, a hollow plug encircling said piston stem and adjustably engaged with the wall of said socket outwardly of said collar, and a second compression spring between said collar and the inner end of said plug.

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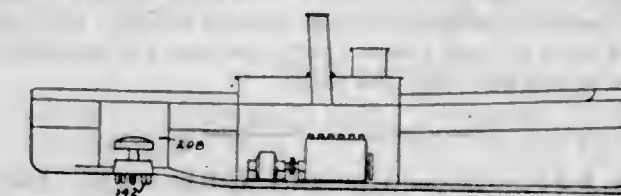
1,740,819. DISAZO DYES. RICHARD KIRCHHOFF, Berlin-Lichterfelde, and MAX CANTOR, Berlin-Zehlendorf, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y., a Corporation of Delaware. Filed May 12, 1926, Serial No. 108,884, and in Germany May 15, 1925. 13 Claims. (Cl. 260-84.)

1. The disazo dyes being dark powders soluble in water and being destroyed by strong reducing agents, dyeing wool, silk and charged silk black, these dyes being alkali metal salts of sulphonic acids of the general formula:



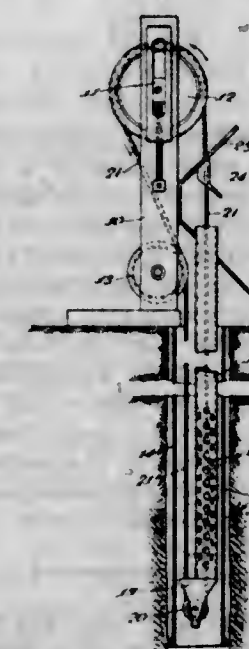
wherein R, R' and R'' represents aromatic radicals, n represents 1 or 2, and a is a whole number less than 3.

1,740,820. ENGINE-DRIVEN MARINE VESSEL. KURT F. J. KIRSTEN, Seattle, Wash., assignor to The Kirsten-Boeing Engineering Co., Seattle, Wash., a Corporation of Washington. Filed Apr. 10, 1924. Serial No. 705,504. 55 Claims. (Cl. 115-52.)



1. An engine driven marine vessel embodying a hull having an opening and a propeller, of the type having blades which rotate on their own axes while revolving in an orbit about a common axis, operatively mounted therein, said propeller having a housing which constitutes a continuation of the hull and forms a permanent closure for said opening in the hull wall to prevent water from entering the interior of the hull irrespective of the hull waterline, a rotor operatively mounted in said housing which expels water therefrom; and a plurality of propeller blades mounted in said rotor.

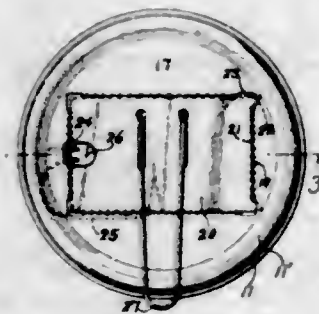
1,740,821. APPARATUS FOR LIFTING VISCOUS FLUIDS. ALEXANDER D. KNEUPER, Los Angeles, Calif., assignor to Louise Kneuper. Filed July 30, 1928. Serial No. 296,252. 3 Claims. (Cl. 103-72.)



1. The combination with an oil well tube, of a pulley located at the lower end thereof, a pulley located adjacent

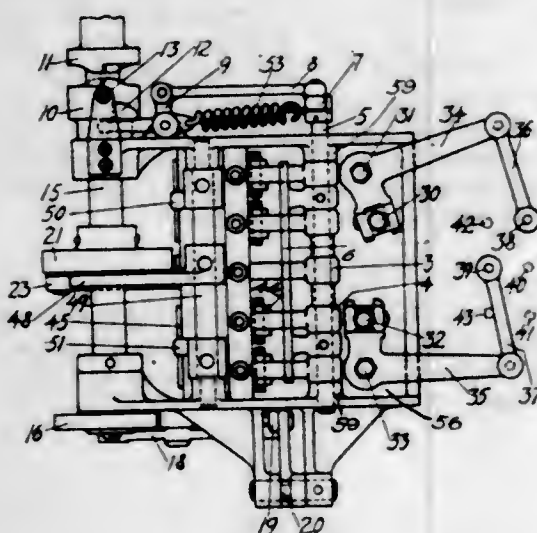
to the upper end of said tube, an endless flexible carrier arranged for operation on said pulleys with the up-running portion of said flexible carrier passing through said tube and a scraper engaging the grooved periphery of said pulley between the down and up running portions of said flexible carrier.

1,740,822. BADGE. WILLIAM H. KUPFER, Chicago, Ill. Filed Aug. 31, 1928. Serial No. 303,147. 8 Claims. (Cl. 40—1.6.)



1. A badge in the form of a shell including a front window portion and a rear portion having notched means providing a recess for housing a card therein, and a door having means to slidably engage in said notches for holding said card in said recess but to provide for convenient removal of the door and the card.

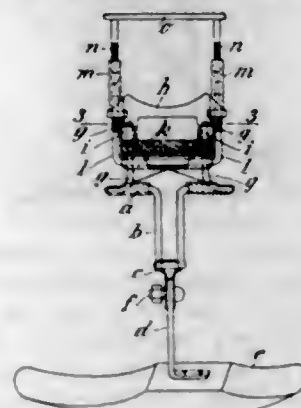
1,740,823. GEAR-SHIFTING APPARATUS. JAKOB JAKOBSEN LILDAL, Copenhagen, Denmark. Filed Jan. 25, 1929, Serial No. 334,969, and in Denmark Jan. 27, 1928. 7 Claims. (Cl. 74—58.)



1. A mechanical gear shifting apparatus for shifting at least one displaceable gear wheel of a gear box, comprising a plurality of selectively adjustable control members adapted to be moved by the operator and corresponding each to a separate speed, a plurality of blocks slidable in parallel paths, locking members movable transversely of said paths and coacting with said slidable blocks to prevent the pushing forward of more than one block at a time, means including said selectively adjustable control members for pushing forward any one of the slidable blocks, and means including at least one lever rotatably connected with two blocks for transferring the motion of the block thus pushed forward to a displaceable gear wheel of the gear box to thereby shift the gear.

1,740,824. VIOLIN SUPPORT. INKA VON LINFRUN, Mannheim, Germany. Filed Nov. 30, 1926, Serial No. 151,763, and in Germany Nov. 30, 1925. 1 Claim. (Cl. 84—281.)
An adjustable violin support comprising in combination a central element consisting of a rod bent to form two

parallel arms, a sleeve movably mounted on the lower of said arms, a curved lower element designed to rest upon the arm of the violin player, a rod to the lower end of which said curved element is fixed, an adjusting screw for adjustably fixing the top end of said rod to said sleeve, an upper element consisting of two upwardly projecting rods threaded at the upper end removably mounted on the



upper arm of said central element, a pad fixed on said upper element, a clamping plate parallel to and above said pad, two rods threaded at the lower end downwardly extending from and secured to said clamping plate, and two sleeves having each right handed and left handed internal thread and designed to be screwed upon said rods of said pad and to receive in the upper end said rods of said clamping plate.

1,740,825. CORNER-BEAD TOOL. MARVIN F. MARKS, Albany, Ind. Filed Mar. 5, 1928. Serial No. 259,076. 3 Claims. (Cl. 72—128.)

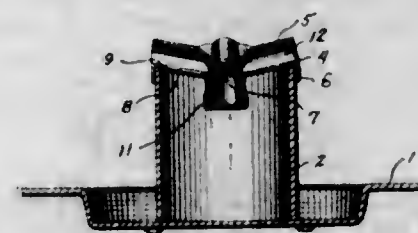


2. A tool adapted to be used in connection with attaching corner strips, including a hollow body having a right-angled channel formed in its face extending from end to end thereof, a plurality of spring clips located in said body with a pair of coacting jaws on each clip and with said jaws extending into said channel and adapted to grasp the bead of the corner-strip and hold it straight while it is being attached to a corner, and a single lever adapted when moved in one direction to open all of said jaws and when moved in the opposite direction to permit all of said jaws to close.

1,740,826. CIGARETTE EXTINGUISHER AND RECEIVER. RICHARD B. MATTSON, Bessemer, Mich. Filed Jan. 17, 1928. Serial No. 247,883. 4 Claims. (Cl. 131—5.)

2. In a device of the character described, a cigarette extinguishing device comprising a plate provided with

discharge openings, and a cover rotatably supported by said plate and having cigarette receiving recesses in its under surface positioned to be brought either into com-



munication register with said openings or to position to be closed by the top surface of said plate in the rotative adjustment of said cover.

1,740,827. DOOR LOCK. LOUIS T. MAYEA, Fair Haven, Mich. Filed July 21, 1927. Serial No. 207,378. 1 Claim. (Cl. 282—48.)

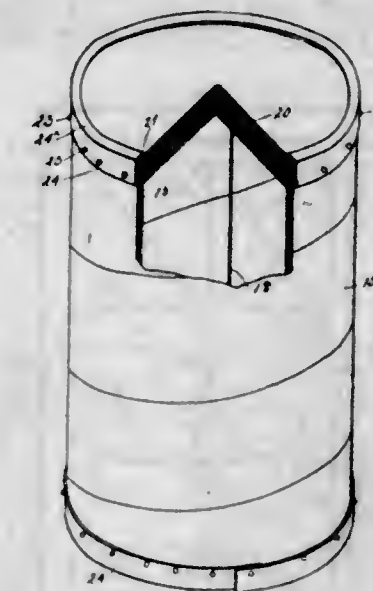


In a latching device of the character described, the combination with a hinged door, of hook members, brackets at the upper and lower ends of said door and to which said hook members are pivotally attached, a bar bracket on the door midway the upper and lower ends thereof and projecting from the door, a bar pivotally supported intermediate its ends upon the outer end of the bar bracket and movable in a vertical plane perpendicular to the door, rods connecting the opposite ends of said bar and the free ends of the hook members and an offset handle on the bar for moving the bar on its pivot to operate the hook members, said bar being movable to place the rod ends connected therewith at either side of the vertical plane through the rod pivot, the hook members having contact faces and keepers for the hook members having faces adapted to be engaged by the contact faces on the hook members to hold the door closed.

1,740,828. SANITARY MOISTUREPROOF CONTAINER. JOHN H. MORRISON, East Orange, N. J., assignor to Utility Container Corporation, a Corporation of New York. Filed Jan. 14, 1928. Serial No. 246,666. 7 Claims. (Cl. 229—5.7.)

1. A container comprising an outside tube and an inside tube, the latter being shorter than the former, each of said tubes consisting of layers of fibrous material spirally rolled and held together by adhesion; a head adapted to close each end of said receptacle; means for

protecting the contents of the container against evaporation and contamination; and a rim for securing each



head in place, said rim having its ends overlapping and so riveted together that said ends are slidable upon each other.

1,740,829. UNDERREAMER. WILLIAM B. NICHOLS, Graham, Tex. Filed Jan. 4, 1928. Serial No. 244,481. 6 Claims. (Cl. 253—75.)

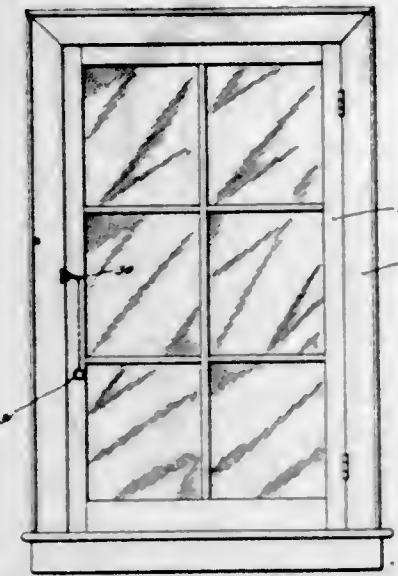


1. An under-reamer comprising a barrel, a plunger including a stem slidably mounted in the barrel, the stem having a threaded portion, a nut threaded onto the said stem, a spring within the barrel bearing against the said nut and yieldably holding the stem in a downwardly shifted position, the stem being provided with a head engaging the upper end of the barrel and limiting the downward movement of the stem in the barrel, and cutters pivotally suspended from the lower portion of the barrel, the plunger stem having a tapered lower end portion for coaction with the inner sides of the cutters, upon downward movement of the plunger, to swing the cutters outwardly to active position.

1,740,830. CASEMENT-WINDOW FASTENER. LAMIE PARKER, Los Angeles, Calif. Filed Dec. 18, 1928. Serial No. 326,718. 1 Claim. (Cl. 292—84.)

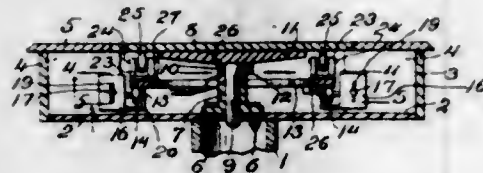
A window sash fastener of the class described, a keeper plate for attachment to the inner side edge of the window casing, said keeper plate being formed with a slot, the adjacent portion of the casing being formed with a registering recess, a spring catch attached to the adjacent end of the swinging window sash, said catch comprising a strip of spring metal bent back upon itself at one end for

attachment to the edge of the window sash, an outwardly projecting nose formed from the spring strip of metal for cooperation with the slot in the keeper plate and the recess in the window casing to normally lock the window sash against swinging movement, suitable means attached



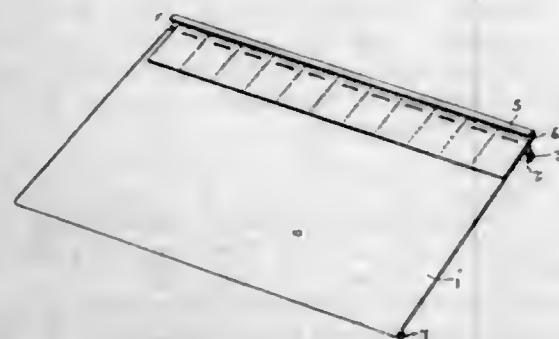
to the free end of the spring strip to forcibly disengage the nose from the notched casing and the slotted keeper plate, the free end of the keeper plate being bent laterally to permit the free sliding movement of the nose thereover, the window sash being cut out to accommodate said spring catch.

1,740,831. SERVING TABLE. GEORGE M. PATTERSON, Kansas City, Kans. Filed July 23, 1928. Serial No. 294,702. 6 Claims. (Cl. 45-26.)



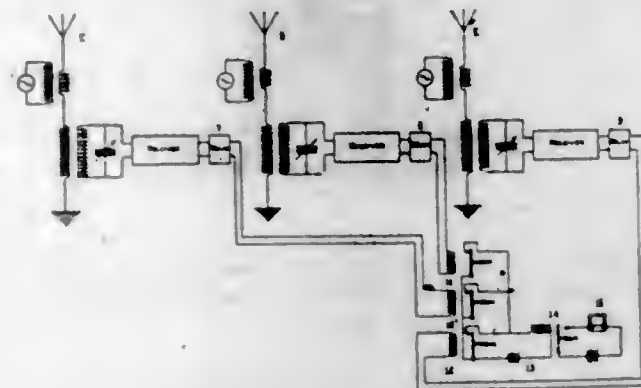
1. In a serving table, a support having a stationary peripheral top portion, a central top member concentric with said top portion and vertically movable and revoluble on a vertical axis on said support, means revoluble around said axis for lifting and supporting said top member, and means by which when said revoluble means is revolved in the proper direction it will lift and revolubly support said top member.

1,740,832. HOLDER FOR MARKING TICKETS. OSCAR H. PIERCE, Toronto, Ontario, Canada. Filed Mar. 7, 1929. Serial No. 345,175. 4 Claims. (Cl. 281-44.)



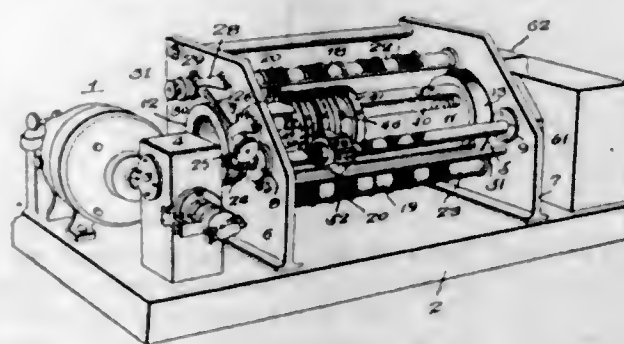
1. A marking ticket holder comprising a member having a flat ticket-supporting surface having an open groove formed therein adjacent to one edge and extending downwardly below the ticket-supporting surface.

1,740,833. METHOD AND MEANS FOR COMPARING AND SELECTING RADIOSIGNALS. RICHARD HOWLAND RANGERS, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 16, 1923. Serial No. 619,358. 6 Claims. (Cl. 250-20.)



1. In a radio receiving system, a plurality of geographically spaced antenna systems for receiving the same signals, means associated with each of said antenna systems for receiving and detecting the signals picked up by said antennas, a wire line associated with each of said receiving systems and leading therefrom to a common point, relays associated with each of said receiving systems for energizing the respective wire lines during the spacing periods in received signals, an indicator at the said common point arranged to produce indication only at periods when all of said transmission lines are deenergized.

1,740,834. CROSS-SCREEN PICTURE-TRANSMITTING SYSTEM. RICHARD HOWLAND RANGERS, Newark, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Nov. 25, 1927. Serial No. 235,431. 35 Claims. (Cl. 178-5.)



1. The steps in the method of transmitting pictures, which includes, scanning a picture first in one direction with one scanning system and at a later period of time scanning the picture in a different direction with a second scanning system.

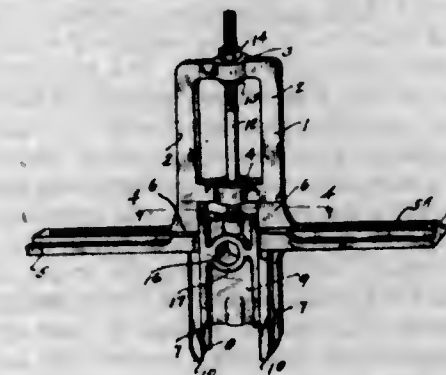
1,740,835. GLARE SHIELD FOR EYEGLASSES. GEORGE J. RIDDRICH, Brooklyn, N. Y. Filed Aug. 26, 1926. Serial No. 131,787. 1 Claim. (Cl. 2-13.)



A detachable glare shield of transparent material colored to subdue the glare of light for an eyeglass or spectacle lens having several resilient, resiliently spreadable gripping fingers spaced about the periphery of said shield

so that more than one-half the circumference of the periphery of said lens is subtended by three of said fingers, each said finger being so shaped and said several fingers being so spaced and grouped as first to engage them to spread and then to grasp said lens as a cooperative group, prevent all parallel plane movement between said lens and said shield but permit a face towards face approach of said shield and said lens and effect an automatic resilient spreading and subsequent gripping of said gripping fingers without individual manipulation.

1,740,836. BEARING ALIGNING TOOL. ISAAC R. ROBINSON, Ione, Oreg. Filed Jan. 23, 1929. Serial No. 334,426. 6 Claims. (Cl. 29-89.)

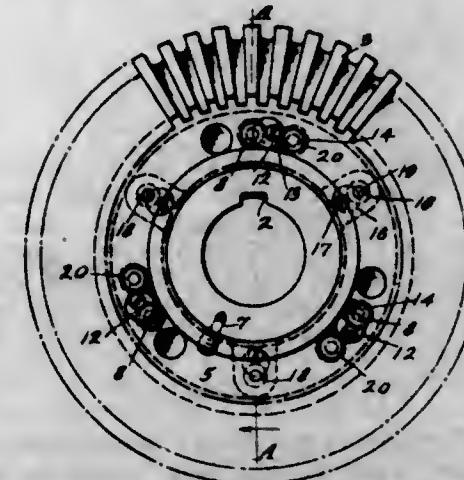


5. A tool of the class described, comprising a bed, members integral with said bed constituting a vertical guideway, a shaft supporting member, said guideway having concave faces, said shaft supporting member having convex faces engaging the concave faces of the guideway permitting such shaft supporting member to be moved both vertically and about a vertical axis.

1,740,837. PREPARATION OF SULPHATE OF AMMONIA. STANLEY ROBSON, Avonmouth, England. Filed Sept. 8, 1927. Serial No. 218,364, and in Great Britain Feb. 3, 1927. 5 Claims. (Cl. 23-119.)

5. A method for the direct production in one operation of sulphate of ammonia free from any substantial proportion of sulphite of ammonia, said method consisting in bringing together in a suitable vessel ammonia, sulphur trioxide produced with the aid of a catalyst, together with such proportion of sulphur dioxide as remains unoxidized after passage over the catalyst, and water, all of said reactants being in the form of gases, or disperse systems whose continuous phase is gaseous.

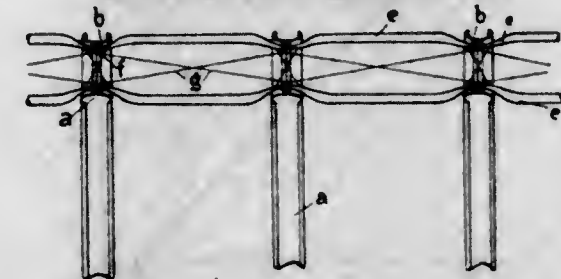
1,740,838. SHEAR-PIN MOUNTING. OSCAR C. ROSEN, Brooklyn, N. Y., assignor to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 7, 1925. Serial No. 67,535. 1 Claim. (Cl. 74-29.)



The combination of a hub or journal and means for securing it to a shaft, a gear on the hub, a shear pin con-

necting the hub and gear, a seat for the pin, a second seat formed in both of the members closely adjacent the first named seat capacitated to receive a second shear pin whereby the gear and hub may be connected without removing the first pin from its seat, and a holding plate common to both seats for holding a shear pin in either.

1,740,839. CARRYING BODY FOR RIGID AIRSHIPS. ERNST RUESS, Munich, Germany. Filed Oct. 2, 1928. Serial No. 309,724, and in Germany June 14, 1926. 6 Claims. (Cl. 244-3.)

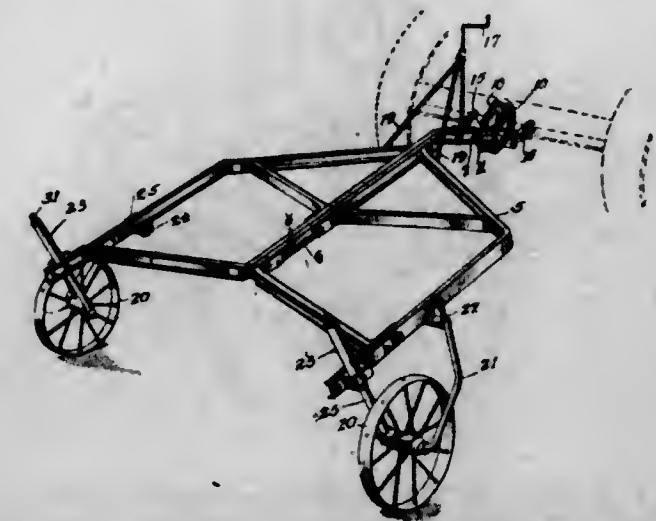


1. A frame for rigid airships embodying connected outer and inner circular frame members of channeled cross-section arranged in pairs, the frame members of each pair being concentrically disposed and one member of each pair having the open side of its channel facing outwardly and the other member of each pair having the open side of its channel facing inwardly.

1,740,840. PROCESS OF GENERATING FOAM, MIXTURES OF LIQUID AND GASEOUS SUBSTANCES, MIXTURES OF DIFFERENT LIQUIDS AND DIFFERENT GASES, OR EMULSIONS. RUDOLF SCHNABEL, Berlin, Germany, assignor, by mesne assignments, to Pyrene-Minimax Corporation, a Corporation of Delaware. Filed Apr. 23, 1927. Serial No. 186,167, and in Germany June 12, 1925. 2 Claims. (Cl. 23-1.)

1. The process of producing foam, which consists in forcing a gas or air and a liquid capable of forming foam simultaneously through a porous member.

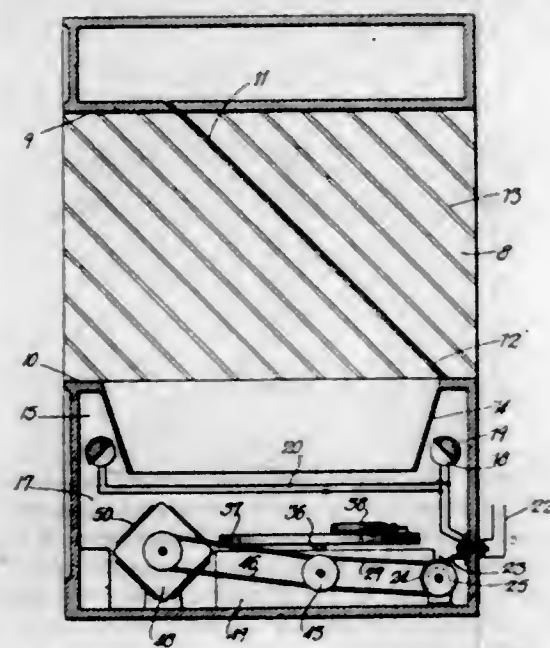
1,740,841. WHEELED-HARROW-FRAME ADJUSTMENT. EDWARD M. SMITH, Peoria, Ill., assignor to Brown Lynch Scott Co., Monmouth, Ill., a Corporation of Illinois. Filed Jan. 19, 1928. Serial No. 247,805. 3 Claims. (Cl. 97-103.)



1. The combination of a harrow frame, an axle mounted on the frame, a carrying wheel on said axle, and means for adjusting the wheel relative to the frame comprising

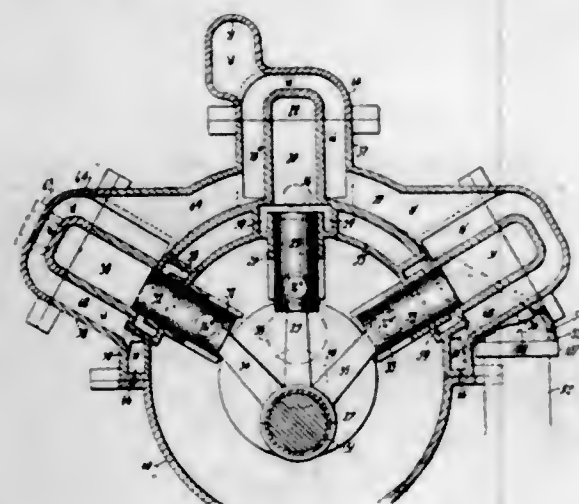
a tubular member swiveled to the frame, a tubular member pivoted on the axle, said tubular members being telescopic, and means for adjusting one of said members relative to the other.

1,740,842. DISPLAY DEVICE. ANDREW G. STEEN, Brooklyn, N. Y. Filed June 25, 1928. Serial No. 288,121. 2 Claims. (Cl. 272-10.)



1. A display device comprising a casing having an opening therethrough, a transparent mirror obliquely disposed in said opening, a turn table in the bottom of the casing beneath said mirror for supporting an article to be displayed, a character holding member adjacent said turn table, means for revolving the turn table and the character member, an illuminating member and means for turning the illuminating member on and off so that the reflection of the article and the characters will appear and disappear in said mirror.

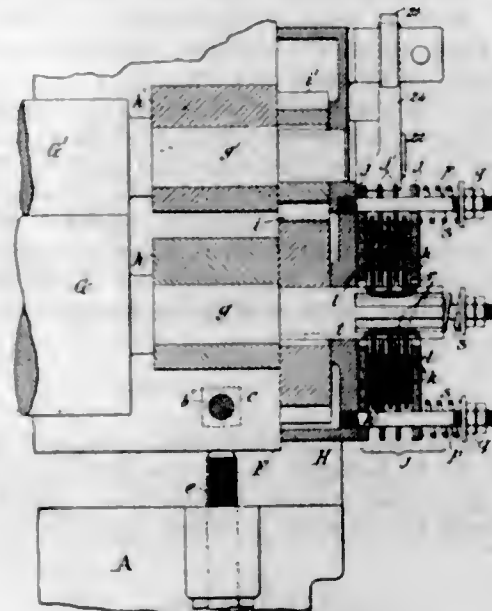
1,740,843. INTERNAL-COMBUSTION ENGINE. BURNHAM C. STICKNEY, Hillside, N. J. Filed May 23, 1927. Serial No. 193,676. 6 Claims. (Cl. 123-53.)



5. A two-cycle internal combustion engine including a two-throw crank-shaft formed with only two wrists, pistons of which one-half operate upon the first crank-wrist, the remaining pistons operating upon the second crank-wrist, the crank-wrists being diametrically opposed, numerous pairs of cylinders for said pistons, the cylinders in each pair being inosculated, the cylinders for each crank-

wrist being separated into various pairs, one cylinder in each pair having an intake port and the other an exhaust port, the ports being at the opposite ends of the cylinders from the inosculation, said pairs of cylinders being equally divided into various groups, each group having its cylinders in line with said shaft, half of the pistons in each group being connected to one crank-wrist, and the other half being connected to the other crank-wrist, each of the groups being set at equal angles to the others, said angles being each less than 90 degrees, each angle forming an aliquot part of 360 degrees, the crank-shaft receiving a multiplicity of impulses at each revolution, all of which impulses are equally spaced, piston-rods connecting the piston to the shaft, various pairs of piston-rods being connected to each crank-wrist, the rods in each pair, with their piston, moving as a unit, and means for supplying the cylinders with fuel, said engine including an engine-block having thereon the various radiating engine-heads, one head for each line of cylinders, and provided with a common intake manifold occupying a position between the various pairs of cylinders associated with one crank-wrist and those associated with the other, all of the cylinders adjoining said manifold on both sides thereof having intake ports communicating therewith, and the cylinders remote from said manifold having exhaust ports, the engine-block having a shell portion forming the upper part of a crank-case, and said intake manifold being integral with said shell portion, the latter having a semi-cylindrical form, and the manifold extending around the interior of the shell from side to side of the engine-head.

1,740,844. HIGH-SPEED FEED FOR SHEET METAL. ROBERT W. STROUT, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of Delaware. Filed May 19, 1928. Serial No. 279,061. 6 Claims. (Cl. 271-2.4.)

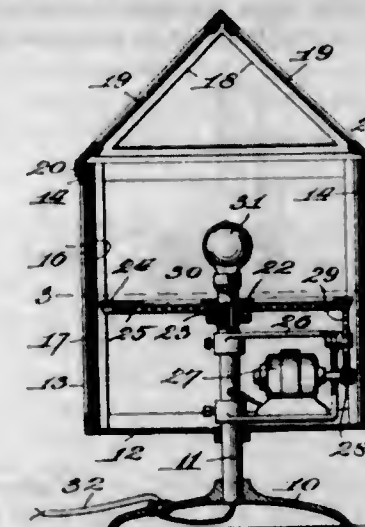


1. A high speed feed mechanism for a punching press or similar machine, comprising feed rolls, means for intermittently rotating them, and a disk brake applied upon the shaft of a feed roll, such brake comprising alternating stationary and rotatable disks and adjustable yielding means for pressing them together, the rotatable disks having a non-rotative connection with the shaft of said roll.

1,740,845. ILLUMINATED SIGN. EVERETTE O. TILBE, Ontario, Calif. Filed Nov. 20, 1928. Serial No. 320,046. 2 Claims. (Cl. 40-33.)

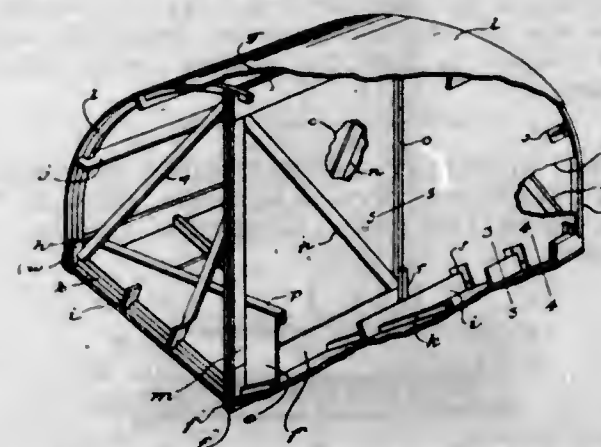
1. In an illuminated advertising sign, a post, a spider mounted for rotation on the upper portion of said post, a

housing carried by said spider and provided with transparent walls, a ring forming a part of said spider, rack



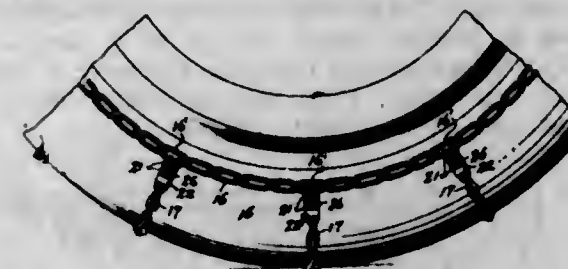
teeth depending from said ring, a motor arranged within the housing and supported upon said post, and driving connections from said motor to the rack teeth on said ring.

1,740,846. IMPERVIOUS SEAPLANE FLOAT. CHARLES A. VAN DUSEN, Cleveland, Ohio, assignor to The Glenn L. Martin Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 15, 1926. Serial No. 109,397. 6 Claims. (Cl. 244-2.)



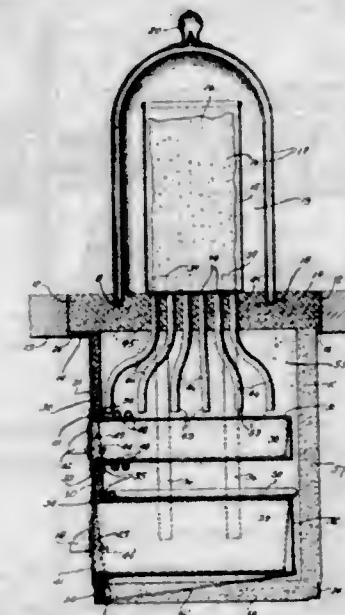
1. In a marine hull structure, the combination with the watertight hull, of bulkheads built into said hull, and sealing means associated with the abutting peripheries of the latter, comprising soft rubber members and associated compression elements therefor, substantially as set forth.

1,740,847. DETACHABLE LOCK FOR REMOVABLE SECTIONS OF ANTISKID CHAINS. HERMAN H. WEHRINGER, Montclair, N. J. Filed Sept. 7, 1928. Serial No. 304,426. 7 Claims. (Cl. 24-236.)



1. A lock for cross chain coupling hooks of anti-skid chains, comprising a body having means to separably and pivotally connect the same with the shank of a coupling hook, said body having at its free end an enlarged resilient compressible portion for insertion across the opening of the hook intermediate the hook ends and hook shank so as to close said opening, said insertion being effected by the turning of said body about its pivotal connection with said coupling hook, said compressible portion being frictionally held against displacement under the force of its compression.

1,740,848. REFRIGERATING UNIT FOR ATTACHMENT TO ICE BOXES. MINER P. WETMORE, Norwich, Conn. Filed Apr. 6, 1928. Serial No. 268,011. 13 Claims. (Cl. 62-92.)



1. The method of cooling a heat-insulated porous block of rigid material by introducing refrigerating gas into the block simultaneously at a plurality of distributed points from which the gas permeates the block and gradually escapes through the pores thereof into the surrounding space.

1,740,849. PACKING SLEEVE FOR OVERSHOTS. EDWARD H. WILLIAMS, Crafton, Pa., assignor to The National Supply Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 21, 1928. Serial No. 307,393. 5 Claims. (Cl. 294-90.)

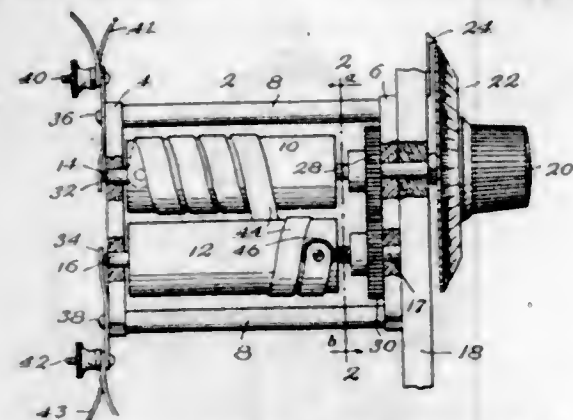


1. In combination an overshoot for a pipe, the overshoot having a relatively long upwardly extending hollow shank, a cylindrical resilient packing sleeve slidable within the shank forming a seal between the periphery of the sleeve and the inner wall of the shank, said sleeve having at its bottom end an inwardly and upwardly extending annular flange in the form of a truncated cone and a central circular opening through which a fluid may pass into the pipe.

1,740,850. RADIOCONDENSER. PAUL ZARATE, Jr., Kansas City, Mo., assignor of one-half to Lawrence W. Andrews, Kansas City, Mo. Filed Jan. 13, 1926. Serial No. 81,004. 5 Claims. (Cl. 175-41.5.)

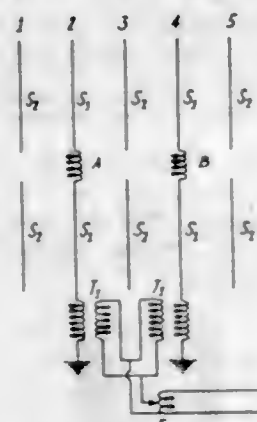
1. In a variable condenser, two rotatable conductors arranged side by side, a flexible conductor connected to

one of said rotatable conductors near the left end of the latter and to the other rotatable conductor near the right end of the latter so that it may be wound in an advancing



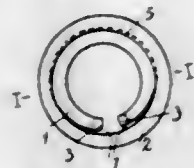
spiral upon either of said rotatable conductors, and a dielectric interposed between said flexible conductor and one of said rotary conductors.

1,740,851. DIRECTIONAL ANTENNA. CHARLES SAMUEL FRANKLIN, Buckhurst Hill, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 2, 1926. Serial No. 113,123, and in Great Britain June 30, 1925. 2 Claims. (Cl. 250—11.)



1. In a directive antenna system, the combination of a plurality of aerials coupled to a single work circuit, and a plurality of sectional disconnected aerials operated by said first mentioned aerials by radiation and maintained in correct current phase by being symmetrically spaced therefrom, at a distance of substantially $\frac{1}{2}$ wave length.

1,740,852. NUT-LOCKING WASHER. ERNST FRISCHMUTH, Siemensstadt, near Berlin, Germany. Filed July 5, 1928. Serial No. 290,381, and in Germany Apr. 27, 1928. 2 Claims. (Cl. 151—38.)

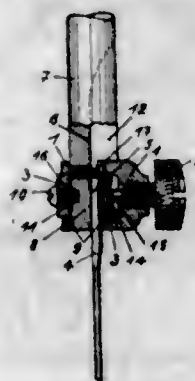


1. A nut lock comprising an axially compressible split lock washer, and a ring-shaped guard washer embracing said split lock washer, said guard washer and said split lock washer being provided at portions of their adjacent faces with radially extending means interlocking them between the planes of the lateral faces of said guard washer and spaced from the extremities of said split lock washer to leave said extremities free to move axially.

1,740,853. NEEDLE GUARD FOR SEWING MACHINES. MARTIN GUHL, Hamburg, Germany. Filed Jan. 9, 1928. Serial No. 245,353, and in Germany Jan. 21, 1927. 3 Claims. (Cl. 112—226.)

1. In a needle holding means for sewing machines, a needle rod having a groove in one of its sides, a recessed

holding member embracing said rod, a sleeve fitting in the recess of the holding member and embracing the rod and having a wall portion lying opposite the inner wall of the groove in the rod, a needle fitted in the groove of the rod



and disposed between the inner wall of the groove and said wall portion of the sleeve, and a set screw on the holding member and engaging the sleeve to clamp the needle between the same and the rod.

1,740,854. CELLULOSE-ACETATE COMPOSITION. WILLIAM GUMP, Newark, N. J., assignor of forty per cent to John C. Dehls and forty per cent to Leo Stein. Filed Sept. 30, 1927. Serial No. 223,244. 6 Claims. (Cl. 134—70.)

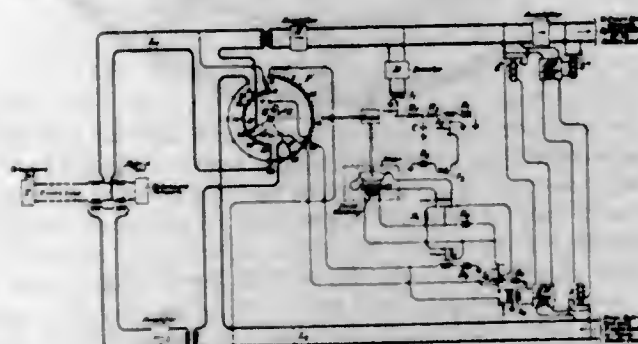
6. A composition of matter comprising cellulose acetate, a plasticizer of the class including 4-oxy-1-tertiary butylbenzene and its nucleus-halogenated derivatives, and a solvent common to both the cellulose acetate and the plasticizer.

1,740,855. COMBINATION TELEPHONE BOOKSTAND AND CALENDAR. MINNIE HENSCHER, Oshkosh, Wis. Filed Feb. 24, 1928. Serial No. 256,659. 1 Claim. (Cl. 40—107.)



In a calendar device comprising a chamber having an opening in its face and containing a plurality of removable cards, a shaft journaled in slots in the walls of said chamber, a pair of springs fixed to the shaft and to the rear wall of the chamber, and a friction roller mounted on said shaft and engaging the foremost card to enable its easy removal when the shaft is rotated.

1,740,856. VOLUME REGULATION IN TWO-WAY TELEPHONE CIRCUITS. JOSEPH HERMAN, Westfield, and SUMNER B. WRIGHT, South Orange, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 15, 1927. Serial No. 226,440. 20 Claims. (Cl. 178—44.)



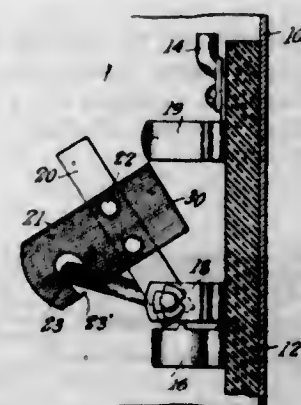
1. In a two-way telephone system, a circuit having a first path adapted for transmission in one direction and

a second path adapted for transmission in the opposite direction, means in each of said paths for controlling the amplitude of voice currents therein, and means responsive to voice currents in said first path of amplitude in excess of a predetermined value for effecting a reduction of the gain in said path and simultaneously effecting an increase of the gain in said second path.

1,740,857. PROCESS FOR THE PRODUCTION OF METALLIC BERYLLIUM. WILHELM KROLL, Luxemburg, Luxemburg. Filed Sept. 26, 1927. Serial No. 222,211, and in Germany Sept. 28, 1928. 3 Claims. (Cl. 75—17.)

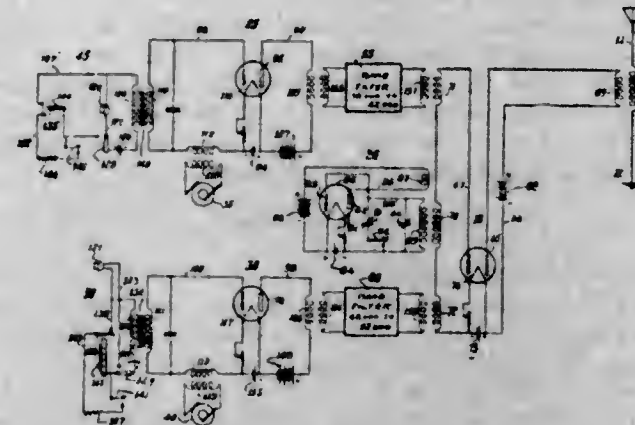
1. The process for the production of compact metallic beryllium which consists in bringing to reaction fluorides of beryllium and at least one earth alkali metal, free from water as a molten fused mass and at a temperature of at least about 1300° C., taking away the product of the reaction and melting it once more together with beryllium containing fluorides.

1,740,858. ELECTRIC SWITCH. HERMAN J. HAMMERLY, Wallingford, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Jan. 29, 1929. Serial No. 335,891. 4 Claims. (Cl. 200—151.)



1. In an electric switch, an insulating base, a switch unit carried thereby, said unit including a movable blade and a stationary jaw to receive a movable end of the blade, an operating crank for said blade, and a non-metallic plate riveted to said switch blade and having a loose connection with said crank and having a foot for striking against the base in the circuit closing movement of the switch and serving as an arc interrupter in the circuit opening movement.

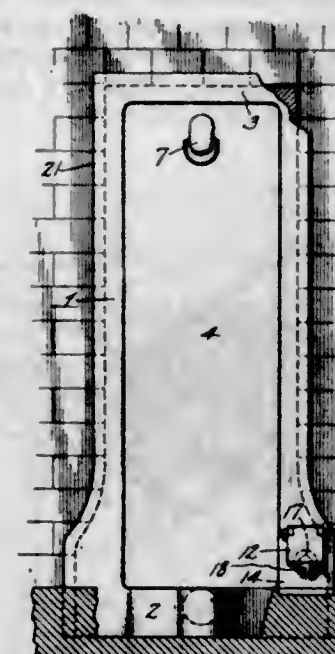
1,740,859. SYSTEM OF SECRET RADIANT TELEPHONY AND TELEGRAPHY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Feb. 21, 1924. Serial No. 694,205. 9 Claims. (Cl. 250—9.)



1. The method of signalling which consists in generating a series of high frequency oscillations of a predetermined frequency, impressing therein two series of peri-

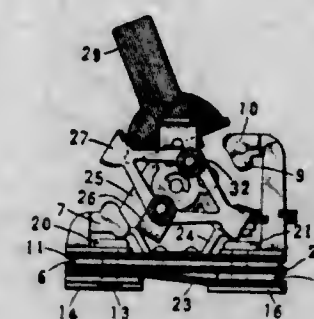
odic variations of substantially constant, superaudible frequency and differing in frequency one from the other by a given difference frequency and varying the frequency of said oscillations from time to time by a frequency equal to said difference frequency.

1,740,860. URINAL. ABEL HANSEN, Metuchen, N. J. Filed Oct. 6, 1928. Serial No. 310,784. 4 Claims. (Cl. 4—108.)



1. A urinal comprising in combination a vertical stall having side walls and a central recess, a drainage basin forming a horizontal extension of the stall at the bottom, one of the side walls having an orifice extending through the same from front to rear at a point above the horizontal extension, a housing fitting within and closing said orifice from the front, a pedal pivoted on said housing, a flushing valve in rear of the stall and members extending through the housing connecting the pedal with the valve.

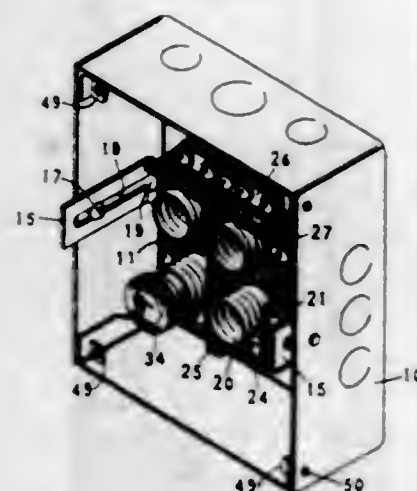
1,740,861. SNAP SWITCH. CHARLES E. HANNY, Unionville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed July 15, 1925. Serial No. 43,724. 4 Claims. (Cl. 200—145.)



1. A single pole panel board switch comprising a base formed of a metallic plate and plates of insulating material, four stationary contacts secured to said base and arranged in pairs in spaced apart relation projecting away from the front of said base, an electrical conductor bar enclosed between insulating plates within said base and electrically connecting two of the diagonally disposed contacts, two bus bar connector plates at the back of said base electrically connected respectively to the other two contacts and having portions extending across the center line of the base for connection to panel board bus bars, and two movable switch blades mounted on said base and co-operating with the pairs of stationary contacts

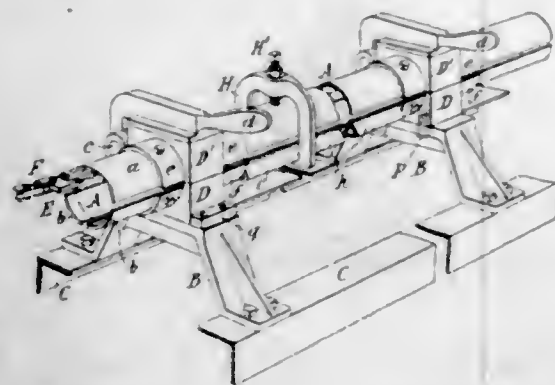
whereby a single electrical path is provided from one contact through one blade to the opposite contact and thence through the electrical conductor to the diagonally opposite contact, thence through the other blade to the remaining contact, and whereby the circuit may be broken simultaneously at four points by the movement of said blades, said metallic base plate, insulating plates and connector bar reinforcing and supporting each other.

1,740,862. RESIDENCE PANEL BOARD. CHARLES E. HANNY, Unionville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Apr. 2, 1926. Serial No. 99,209. 9 Claims. (Cl. 247-10.)



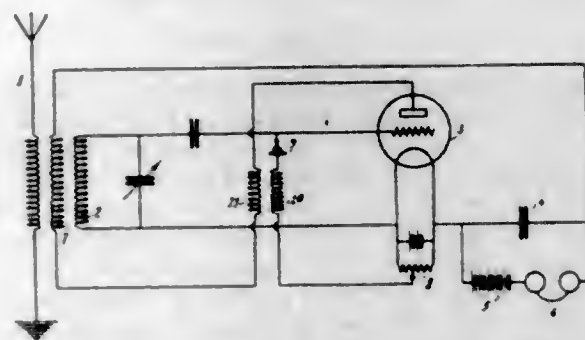
6. A casing, a fuse carrier base having resilient brackets secured to the central part of the base at opposite sides thereof, fuse sockets carried by said base, said brackets having slotted arms, a clamp screw passing outwardly through each slotted arm into the adjacent side wall of the casing, said screws serving as pivotal supports for the base and brackets and permitting said base to slide in and out and to swing about said screws, a removable front plate, a guard member carried by and removable with said front plate and having apertures for the fuse sockets and means for securing said front plate in position.

1,740,863. TUBULAR CAN-BODY HORN. PETER KRUSE, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of Delaware. Filed Sept. 14, 1928. Serial No. 306,081. 7 Claims. (Cl. 113-60.)



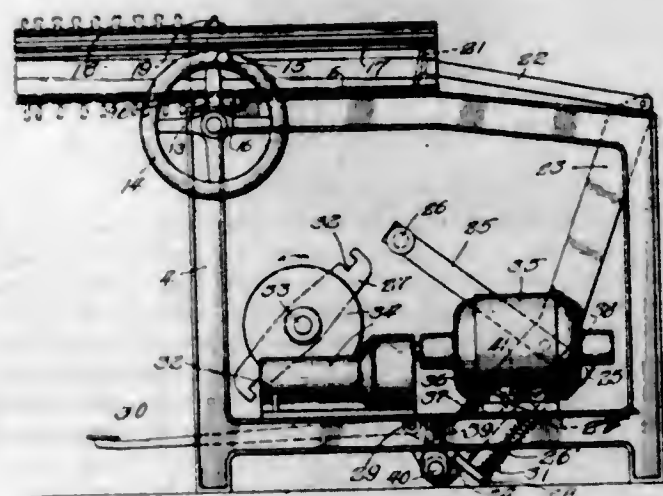
1. A tubular can body horn extension consisting of channel-shaped sections of wrought metal pipe, each being a segment of a hollow cylinder, with external supporting frames to which the sections are united concentrically, with longitudinal separations to form a slotted tube, the separations being on opposite sides to form two half tubes, an upper and a lower half, the frames for the lower half being stationary and the frames for the upper half being movable to permit the upper half to be lifted to open the horn.

1,740,864. RECEIVER ARRANGEMENT. SIEGMUND LOEWY, Berlin, Friedenau, Germany, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Apr. 27, 1927. Serial No. 186,880, and in Germany Dec. 18, 1923. 10 Claims. (Cl. 250-27.)



1. A radio receiving circuit comprising a thermionic tube, a feed back arrangement for strengthening radio frequency impulses, a detector between the grid and filament of the tube, and means in series with the detector and coupled to said feed-back arrangement for biasing the tube in a manner such that sustained radio frequency oscillations of high amplitude cannot exist.

1,740,865. CUSHION-STUFFING MACHINE. LOUIS H. LOWERY and JULIUS KRAMER, Chicago, Ill., assignors to Pullman Couch Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1927. Serial No. 238,541. 6 Claims. (Cl. 226-46.)

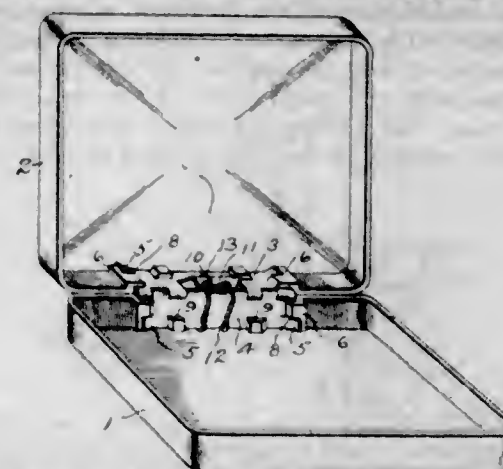


3. In a cushion stuffing machine, the combination with an adjustable filling table of a plunger reciprocable therein, an operating lever for the plunger, continuous drive mechanism, and means for engaging the operating lever for one complete movement, said means comprising a rotatable member having a hook in one edge thereof and an arm extending from the operating lever having a projection thereon to engage the notch, the projection disengaging from the notch as the rotation of the operating member opens the notch to the discharge thereof.

1,740,866. HINGE AND MOUNTING THEREFOR. WILLIAM H. MCBARRON, Cincinnati, Ohio, assignor to The Kurz-Kasch Company, Dayton, Ohio, a Corporation of Ohio. Filed May 16, 1927. Serial No. 191,697. 12 Claims. (Cl. 16-145.)

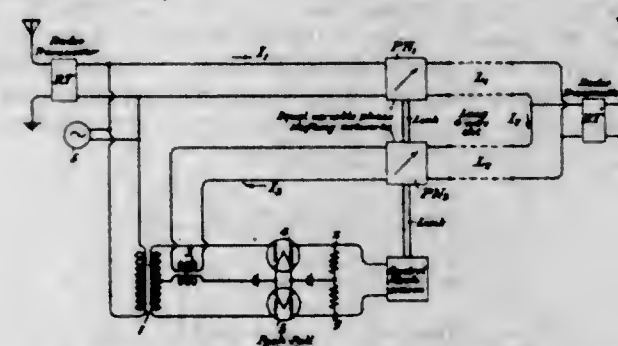
1. In a hinge construction of the character described, a pair of interpivotable leaves, an integral tongue projecting angularly to the plane of one of the leaves and bent to form oppositely inclined angular faces extending substantially in tangential relation to an arc concentric with

the axis of oscillation of the hinge leaves, and a spring tongue carried by the other leaf engaging one or the



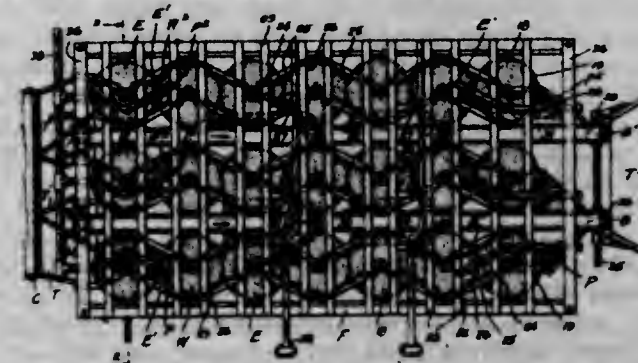
other of said inclined faces as the interpivotable leaves are adjusted to and fro about their pivotal axis to maintain the hinge leaves yielding in their adjusted relation.

1,740,867. CONTROLLING PHASE RELATIONS BETWEEN STATIONS. HARRY NYQUIST, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 19, 1927. Serial No. 227,303. Renewed Sept. 13, 1929. 5 Claims. (Cl. 250-17.)



1. In a system in which alternating current from a source located at one station is supplied to a translating device located at a distant station which is connected to the first station by two transmission paths, each having individual phase controlling elements, the method of maintaining a constant phase relation between the current at the two stations which consists in transmitting the alternating current from the source at the first station to the distant station over one path, transmitting the current incoming at the distant station back to the first station over the second path, observing any variation in the normal phase difference between the leaving and arriving currents at said first station, and adjusting the phase controlling elements individual to the two paths so that each element compensates for that portion of the observed variation which is due to the phase shift of its path.

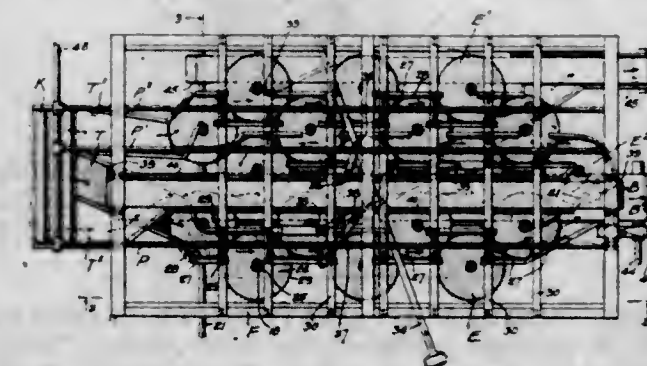
1,740,868. FRUIT-WASHING MACHINE. NICHOLAS J. OFSTAD, Redlands, Calif., assignor to William L. Connor, Los Angeles, Calif. Filed Aug. 31, 1925. Serial No. 53,666. 19 Claims. (Cl. 146-202.)



18. A fruit washing machine comprising; a series of horizontally rotatable members arranged peripherally

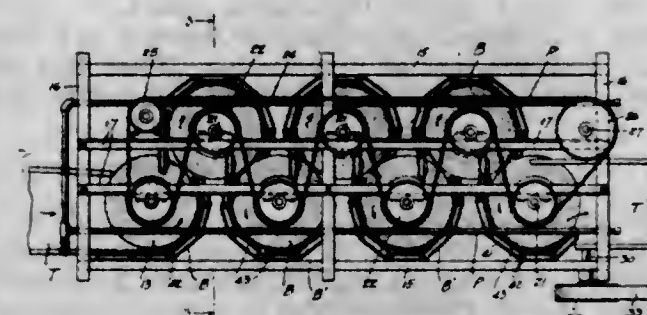
adjacent each other, with adjacent members rotatable in opposite directions; stationary members in association with the rotatable members, arranged to direct fruit progressively from one rotary member to the next and from one side of one rotary member to the opposite side of the next, in arcuate paths over each, so that in its travel the fruit will follow a tortuous path; and cleaning surfaces on the stationary members.

1,740,869. FRUIT-WASHING MACHINE. NICHOLAS J. OFSTAD, Redlands, Calif., assignor to William L. Connor, Los Angeles, Calif. Filed Aug. 31, 1925. Serial No. 53,668. 11 Claims. (Cl. 146-202.)



9. In a fruit cleaning machine, a plurality of mating horizontal rotary brushes arranged in rows side by side, and co-acting stationary brushes associated with the horizontal brushes to define a course over which the fruit is adapted to be impelled and serving as deflectors to progressively cause the fruit to be transferred from a brush of one row to a mating brush of the adjacent row.

1,740,870. FRUIT-WASHING MACHINE. NICHOLAS J. OFSTAD, Redlands, Calif., assignor to William L. Connor, Los Angeles, Calif. Filed Dec. 5, 1925. Serial No. 73,372. 16 Claims. (Cl. 146-202.)

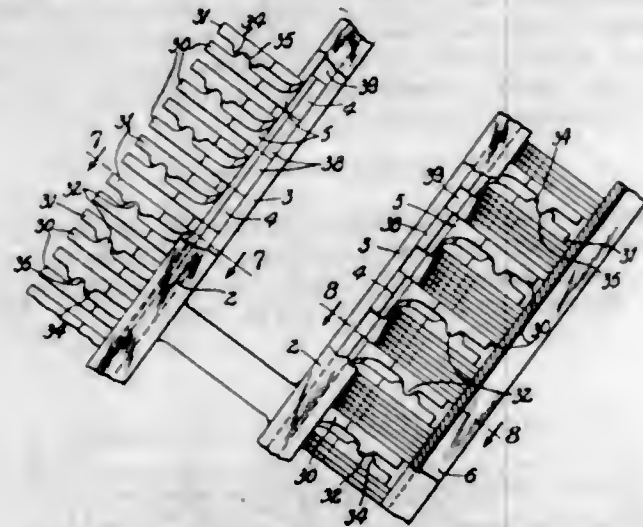


8. In a machine for cleaning fruit and the like, a plurality of horizontally rotating surfaces arranged peripherally adjacent each other; relatively stationary arcuate surfaces arranged substantially concentrically with the axis of each of said rotating surfaces, said stationary surfaces being disposed angularly to the rotating surfaces to provide substantially V-shaped troughs in which the fruit is propelled by the rotating surfaces in a substantially horizontal plane, and said stationary surfaces terminating adjacent the peripheries of the adjacent rotating surfaces; and cleaning means on one of said surfaces.

1,740,871. EQUALIZING PLATE FOR USE IN HEEL BUILDING. DENNIS PARKS, St. Louis, Mo. Filed Mar. 17, 1928. Serial No. 262,424. 3 Claims. (Cl. 12-50.)

1. A portable equalizing plate for use in securing uniform pressure on a column of wedged heel-blanks forced

through a log-container, comprising two plates one of which is pivotally mounted for self-alignment on the other, a plurality of said equalizing plates being adapted



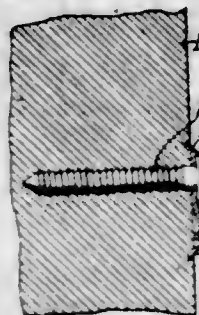
to be used in alternation with a plurality of heel-blanks and said equalizing plate being of a size to enter the log-container and be forced therethrough with the heel-blanks.

1,740,872. METHOD OF APPLYING CAN CLOSURES. PAUL E. PEARSON and MERTON L. DODGE, Seattle, Wash., assignors to Seattle Astoria Iron Works, Seattle, Wash., a Corporation of Washington. Filed Nov. 28, 1927. Serial No. 236,222. 3 Claims. (Cl. 113-121.)



1. The method of assembling the reinforcing ring and closure and of applying them to a can of the character described, which consists of applying the reinforcing ring to the closure, securing the two together in this assembled relation, placing the closure and ring thus assembled over the end of the can body and then seaming it to the body.

1,740,873. POLE STEP. CHARLES L. PEIRCE, Jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company, a Corporation of Pennsylvania. Filed May 15, 1928. Serial No. 277,981. 2 Claims. (Cl. 228-34.)

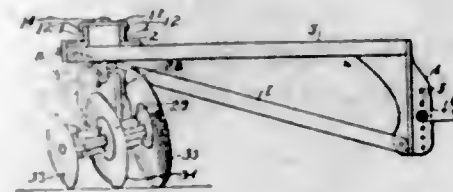


1. A support for removable steps adapted to be mounted on poles and the like, including a member permanently secured against movement in the pole and having a stem supporting head projecting beyond the pole, the outer face of said head being so arched in a vertical plane as to present a substantially unbroken exposed surface incapable of being used as a foothold, said head being spaced from the pole and disposed to receive a removable step.

1,740,874. RIDGER. CHARLES B. POLHEMUS and EDWARD R. POLHEMUS, San Jose, Calif.; said Edward R. Polhemus assignor to said Charles B. Polhemus. Filed Jan. 26, 1927. Serial No. 163,755. 4 Claims. (Cl. 97-55.)

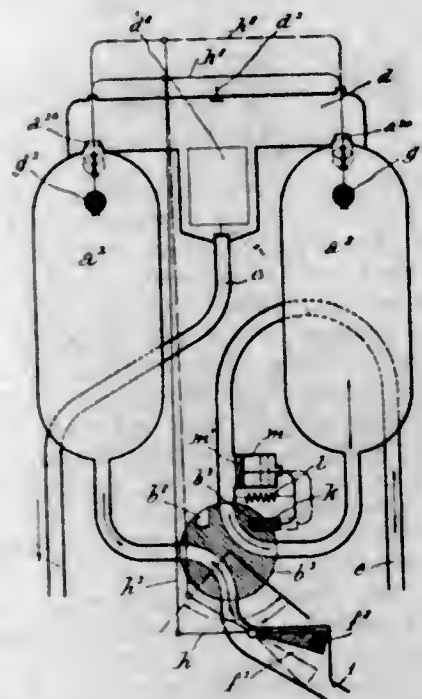
1. In a machine of the type set forth, a frame having a guide way composed of spaced angle irons having one of

their sides extending upwardly, a plate seated upon the upper edges of said angle irons and having flanged sides engaged over said sides of the angle irons, a hollow conical member engaged with the angle irons and arranged in the space therebetween and having an outwardly extending flange engaged with the under faces of the other sides of the angle irons and having its lower face serrated, a second conical member in the first conical member having



an outwardly extending flange the upper face of which is serrated and engaged with the serrations of the flange of the hollow conical member, a bolt extending through the plate and into the second conical member and having its head received in a recess provided therefor in the second conical member and having a nut engaged with the plate, a disk carrying frame, and means to secure the disk frame to the second conical member.

1,740,875. LIQUID MEASURING AND DISTRIBUTING SYSTEM. RENÉ PORTE, Levallois-Perret, France, assignor to Societe Hardoll (Etablissements Hariveau & Dollmier et René Porte & Cie, Reunis), Levallois-Perret, France. Filed June 8, 1927. Serial No. 196,953, and in Belgium June 11, 1926. 6 Claims. (Cl. 221-100.)

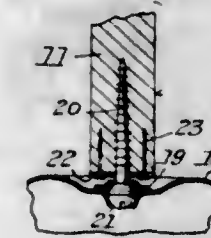


1. An apparatus of the class described comprising in combination a pair of tanks, valve means controlling the upper level of said tanks, a feed conduit, a discharge conduit, a valve interposed between said tanks and said conduits, and means associated with the discharge conduit and operable by the fluid flowing through said discharge conduit to prevent said valve means from being lifted for closing the tank being filled and the pressure taking effect in said tank so long as liquid flows through the discharge conduit.

1,740,876. SUPPORTING AND CLAMPING DEVICE. CONRAD SAUER, Pittsburgh, Pa., assignor of fifty per cent to John G. Doelfel, Pittsburgh, Pa. Filed Feb. 14, 1928. Serial No. 254,184. 1 Claim. (Cl. 248-37.)

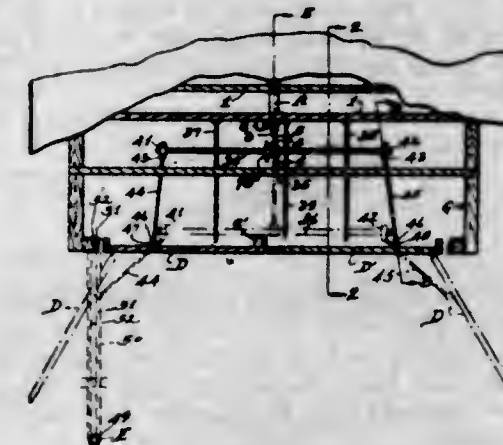
A footing for poles and the like comprising a member of inverted cup shape form having a perforated depression

in its upper side, a plate bridging said depression and secured to the said member and an attaching member having a head portion disposed within the space between said bridging plate and the central portion of the cup-shaped



member, and resting upon said member, the shank of the attaching member extending loosely through an opening in said plate to permit of universal movement thereof with respect to the footing plate, and the head of the attaching member being accessible through said perforation.

1,740,877. GARAGE-DOOR-OPENING DEVICE. THOMAS C. SHARP, Los Angeles, Calif. Filed May 25, 1927. Serial No. 194,200. 3 Claims. (Cl. 121-44.)

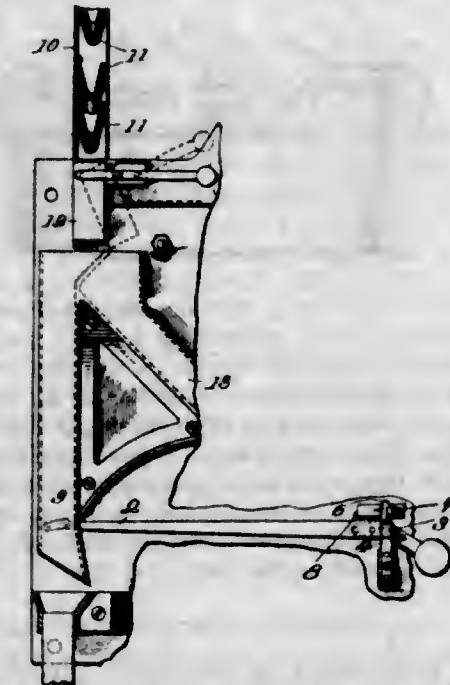


1. An opening and closing mechanism for a pair of doors comprising a hydraulic cylinder, a piston reciprocable therein, a cross arm connected with one end of said piston and adapted to be connected with a pair of doors, a valve connected with the opposite ends of said cylinder for regulating the application of pressure to opposite sides of said piston, electromagnetic means for continuously rotating said valve in one direction to alternately open and close said doors, an electric circuit therefor, and a pair of spaced circuit closing devices spaced proportionately to the movement of said piston for opening and closing said doors, and means connected and movable with said piston and adapted to engage and operate said circuit closing devices in door opening and closing operations.

1,740,878. DELAYED-COIN-CONTROLLED APPARATUS. VINCENT F. SLEZAK, Chicago, Ill., assignor, by mesne assignments, to The American Ticket Scale Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 24, 1926. Serial No. 97,034. Divided and this application filed Oct. 25, 1926. Serial No. 144,045. 1 Claim. (Cl. 194-1.)

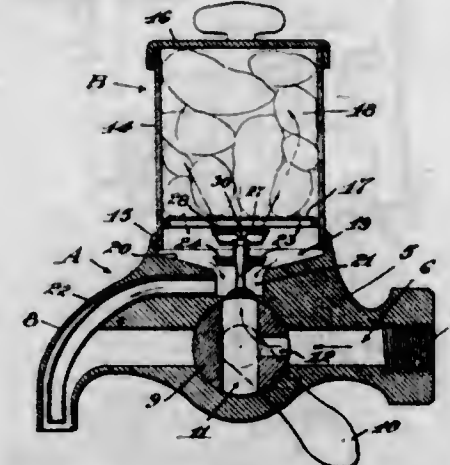
A coin controlled weight printing machine including a casing having a coin receiving slot, a trip lever for tripping the mechanism to be actuated to print the weight, a coin chute through which the coin passes from said coin slot to the trip lever, said coin chute including a series of inclined sections arranged in a zigzag path so that the coin rolls back and forth on its way to the trip lever, and thus the time of travel of the coin between the coin receiving slot and the trip lever delayed, said coin

chute being V-shaped in cross section with the upper side thereof open, whereby said side walls incline away from each other so as to prevent foreign matter inserted with



the coin from preventing the free passage of the coin along the chute, and so that in case the coin does stop at any point in the chute, access may be made thereto for removing the coin and the foreign matter.

1,740,879. FAUCET. CARL J. SONNER, Los Angeles, Calif. Filed Mar. 26, 1928. Serial No. 264,800. 4 Claims. (Cl. 299-84.)

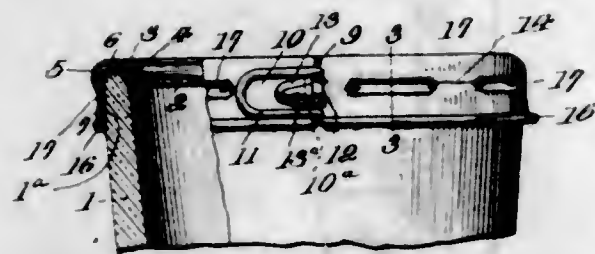


1. A faucet having a passage therethrough for connection with a source of fluid supply, a solvent container associated with said faucet, a screen for supporting a solvent in said chamber, an upwardly opening tube below said screen, a discharge outlet leading from the solvent container below said screen, a valve in said faucet operable to direct water from the source of supply either directly to discharge through the faucet passage or to said solvent container through said tube, a valve normally closing the discharge outlet from said solvent container, and means operable by the pressure of fluid flowing through said tube to open said last named valve, said means including spray apertures for directing jets of fluid into the solvent carried on said screen.

1,740,880. MAGNETIC ALLOY. WILLOUGHBY STATHAM SMITH, Newton Poppleford, HENRY JOSEPH GARNETT, Sevenoaks, and JOHN ANCEL HOLDEN, Gidea Park, England. Filed Nov. 2, 1927. Serial No. 230,688, and in Great Britain Nov. 6, 1926. 11 Claims. (Cl. 175-21.)

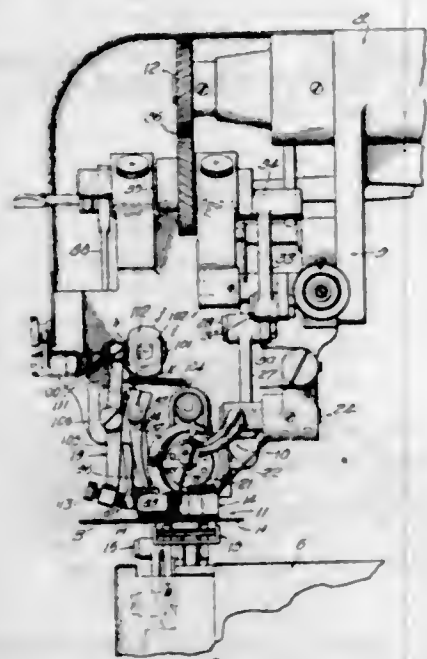
1. A magnetic material substantially free from carbon comprising nickel 32-42%, 1-4% of aluminum, 1-4% of an element for increasing the electrical resistance, and iron the remainder.

1,740,881. CLOSURE FOR JARS. THOMAS L. TALIAFERRO, Chicago, Ill. Filed Aug. 28, 1928. Serial No. 302,619. 3 Claims. (Cl. 215-95.)



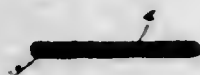
1. A closure for jars having an outer smooth substantially vertical wall comprising a cover portion having a sealing gasket attached thereto, a divided holding band having its ends firmly secured together by an easy opening holding means, said holding band having a horizontal portion overlying the cover and a depending skirt, said depending skirt being provided with spaced inwardly projecting portions for securing the cover to the holding band and for gripping the vertical wall of the jar for securing the closure to the jar.

1,740,882. BLINDSTITCH FELLING MACHINE. SAMUEL GEORGE TATE, Washington, D. C., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a Corporation of Maine. Filed Aug. 26, 1927. Serial No. 215,702. 12 Claims. (Cl. 112-177.)



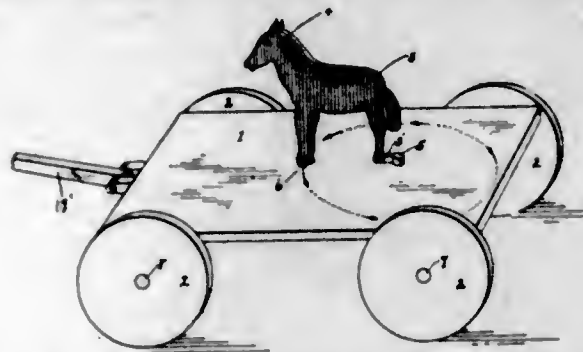
1. In a blind stitch sewing machine for felling a superposed layer to a base layer, the combination of a reciprocating needle and a complementary stitch forming mechanism, and a work presenting mechanism including means for directing the base layer and the upturned edge portion of the superposed layer past the stitch forming mechanism, and means operable during each reciprocation of the needle for projecting a node of the superposed layer and a node of the base layer into needle penetrating positions whereby the needle during each reciprocation will engage both of said nodes in succession and cooperate with said complementary stitch forming mechanism.

1,740,883. SHINGLE. HARVEY A. TEEPLE, Greene, Iowa. Filed May 19, 1927. Serial No. 192,602. 1 Claim. (Cl. 154-45.9.)



A shingle including a metal core, and a casing, composed of rubber, pitch and sand, enveloping the core.

1,740,884. TOY AND THE LIKE. CLINTON R. WILLIAMS. New York, N. Y. Filed July 21, 1925, Serial No. 44,959. Renewed Apr. 22, 1929. 17 Claims. (Cl. 46-45.)



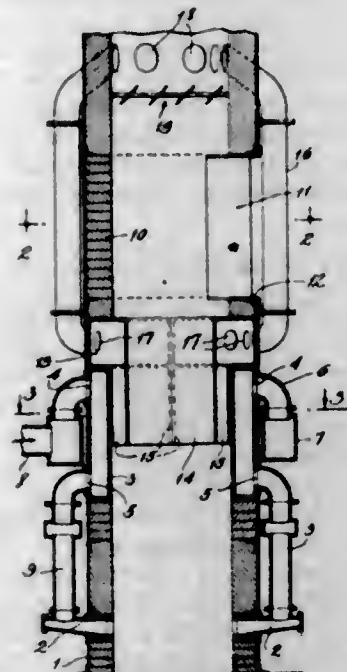
2. In a toy, independent figures of different appearances or dresses arranged side-by-side in adjacent alignment partly concealing each other and transposable with respect to each other to rearrange said figures in the opposite side-by-side alignment, and means connected with said figures for effecting the transposition thereof to change the appearance of same.

1,740,885. BAND CHAIN. KARL C. AUGENSTEIN, Cranston, R. I., assignor to Automatic Gold Chain Co., Providence, R. I., a firm composed of Edwin F. M. Spedel and Albert E. R. Spedel, Edgewood, R. I. Filed May 12, 1928. Serial No. 277,189. 10 Claims. (Cl. 63-4.)



1. A band chain comprising a plurality of links each having a body part with a plurality of arms extending therefrom located in each of different parallel planes, the arms of one link being formed to directly engage the body part of the next link to hingedly hold the links in assembled relation.

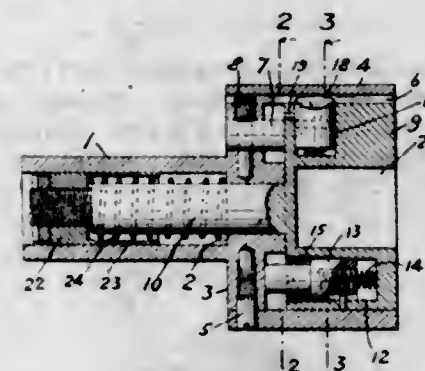
1,740,886. HOT-BLAST CUPOLA. CLARENCE DALE BARR and WILLIAM D. MOORE, Birmingham, Ala., assignors to American Cast Iron Pipe Co., Birmingham, Ala., a Corporation of Georgia. Filed Mar. 24, 1928, Serial No. 264,456. Renewed Nov. 9, 1929. 7 Claims. (Cl. 266-25.)



7. In a cupola having tuyeres and a charging door, a tubular apron within the cupola below the charging door

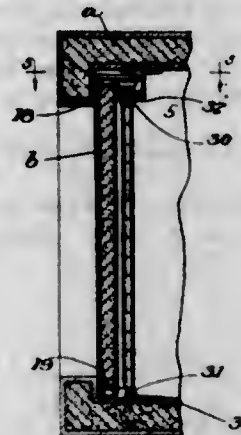
and spaced apart from the cupola wall to form an annular space, the top of the apron connected with the cupola wall, and connections leading from said space to the cupola above the charging door for by-passing the products of combustion past the charging door.

1,740,887. TAP AND DIE HOLDER. OSCAR A. CROSBY, Philadelphia, Pa. Filed Mar. 9, 1926. Serial No. 93,373. 2 Claims. (Cl. 10-89.)



2. A thread cutting tool holder including relatively turnable and endwise movable nested housings, a driving pin on one of said housings, a spring pressed headed pin mounted in a socket provided in the other housing said pins adapted to rotatably disconnect said housings by relative endwise movement thereof, a screw plug arranged in the socket for adjusting the degree of projection of the spring pressed pin for accurate disconnection of the housing, a lock screw for the plug, and a jam screw for the lock screw.

1,740,888. FIREPROOF DOOR. JAMES L. DAVIDSON, Los Angeles, Calif. Filed June 22, 1927. Serial No. 200,544. 4 Claims. (Cl. 812-190.)



3. In a safe, a body, a door within said body, said door comprising a plurality of sections, a hanger within the body, rollers carried by said hanger and secured to said sections for supporting the door in said body, means interlocking adjacent sections, and means for guiding the last means to control direction of travel of the rollers secured to the sections during movement thereof on said hanger.

1,740,889. PROCESS FOR PRESERVING THE LUSTER OF ORGANIC DERIVATIVES OF CELLULOSE. CAMILLE DREYFUS, New York, N. Y., and HERBERT PLATT, Cumberland, Md., assignors to Celanese Corporation of America, a Corporation of Delaware. Filed Dec. 30, 1926. Serial No. 158,127. 20 Claims. (Cl. 8-5.)

1. A process of controlling the delustering of materials comprising organic derivatives of cellulose which consists in adding to a hot bath in which such delustering is apt to occur, a salt of the formula R-CNS, where R denotes ammonium or a metal of the alkaline or alkaline-earth series.

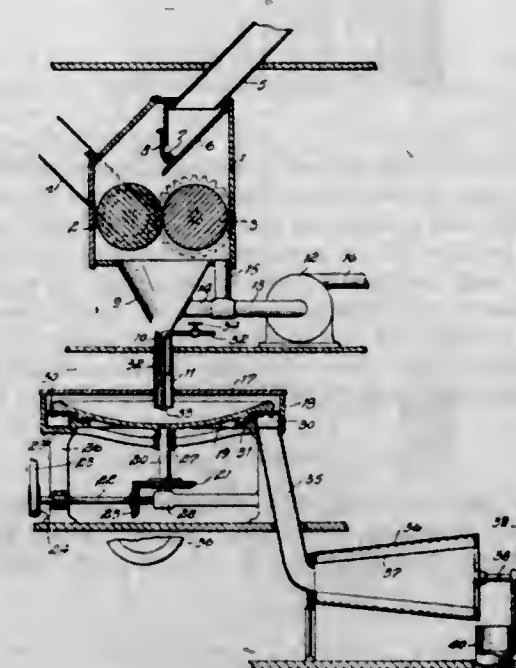
1,740,890. COLORING OF PRODUCTS COMPRISING CELLULOSE ACETATE. GEORGE HOLLAND ELLIS, Spondon, near Derby, England, assignor to Celanese Corporation of America, a Corporation of Delaware. Original application filed Sept. 25, 1923, Serial No. 664,780, and in Great Britain Jan. 27, 1923. Divided and this application filed Dec. 27, 1926. Serial No. 157,409. 8 Claims. (Cl. 8-5.)

1. In and for the dyeing of yarns, fabrics and other products comprising cellulose acetate, the employment of relatively water-insoluble unreduced indophenol coloring matters, said coloring matters being employed in the form of solubilized modifications obtained by pretreating them with a solubilizing agent comprising a body of oily or fatty characteristics.

1,740,891. COLORING OF PRODUCTS COMPRISING CELLULOSE ACETATE. GEORGE HOLLAND ELLIS, Spondon, near Derby, England, assignor to Celanese Corporation of America, a Corporation of Delaware. Original application filed Sept. 25, 1923, Serial No. 664,780, and in Great Britain Jan. 27, 1923. Divided and this application filed Dec. 27, 1926. Serial No. 157,410. 8 Claims. (Cl. 8-5.)

1. In and for the dyeing of yarns, fabrics and other products comprising cellulose acetate, the employment of relatively water-insoluble unreduced coloring matters of the indigoid series, said coloring matters being employed in the form of solubilized modifications obtained by pretreating them with a solubilizing agent comprising a body of oily or fatty characteristics.

1,740,892. METHOD OF TEMPERING WHEAT. ALEXANDER GILLESPIE, Pittsfield, Ill. Filed Aug. 11, 1922. Serial No. 581,284. 3 Claims. (Cl. 83-28.)

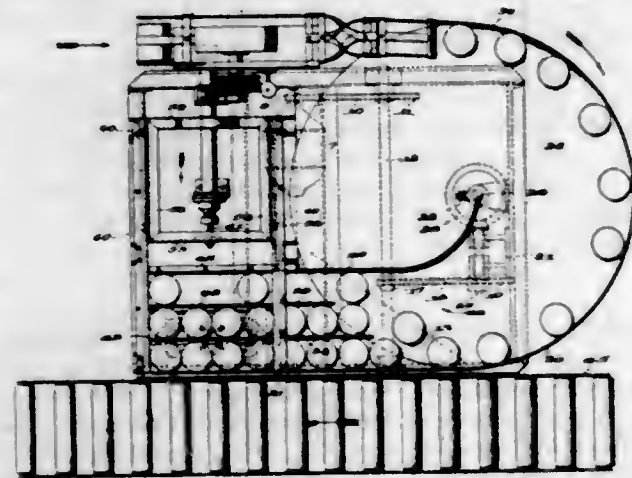


1. The method of tempering wheat which consists in first slightly cracking the grains to facilitate the entrance of moisture to the interior of the grains, then subjecting the same to intimate contact with moisture, and thereafter storing the wheat for a relatively short period of time.

1,740,893. TRAY-FILLING MACHINE. SIMES T. HOYT and RICHARD M. BOTLIX, Honolulu, Territory of Hawaii. Filed Jan. 14, 1929. Serial No. 332,524. 12 Claims. (Cl. 226-15.)

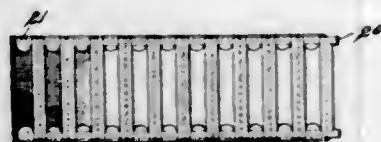
3. Apparatus for filling a tray with cans comprising a hopper having a floor, a plurality of plates reciprocable

vertically through said floor and defining rows adapted to receive cans arranged in alignment, a pusher member mounted for reciprocation longitudinally of said hopper, means for automatically feeding cans into said rows,



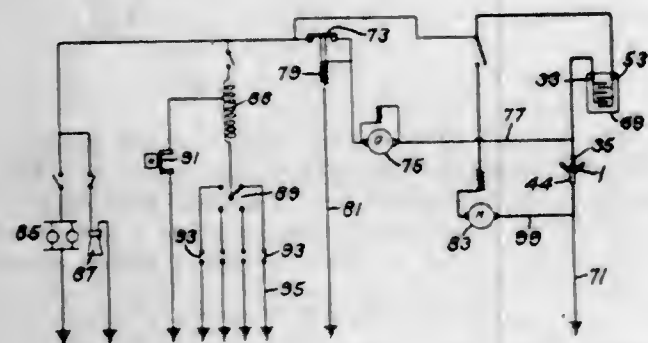
means for automatically moving said plates vertically to clear the floor of said hopper, and means for automatically reciprocating said pusher to eject the rows of cans from the hopper and onto said tray.

1,740,894. CHAIN. SYLVESTER A. JOHNSON, North Providence, R. I., assignor to Spidel Bros., a firm composed of Edwin F. M. Spidel and Albert E. R. Spidel, Edgewood, R. I. Filed Jan. 15, 1929. Serial No. 332,711. 6 Claims. (Cl. 59—80.)



1. In a chain construction, a series of links, each having a top wall and rearwardly-extending portions at each end thereof with the portion at one end of one link adjacent to an end portion of the next link, connector members for said links each having a rear surface and forwardly-extending spaced portions between which said rearwardly-extending portions of the links are positioned, and means on said links folded over said rear surface of said members for retaining said links and members in said relative positions.

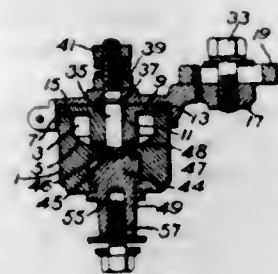
1,740,895. MOTOR-VEHICLE SAFETY DEVICE. WALTER M. S. KILGOUR, Lexington, Mass. Filed Feb. 26, 1927. Serial No. 171,185. 2 Claims. (Cl. 290—37.)



1. An electrical system for an internal combustion engine vehicle having, in combination, a storage battery, ignition apparatus, an engine starting motor, and translating devices all electrically connected in parallel with said battery

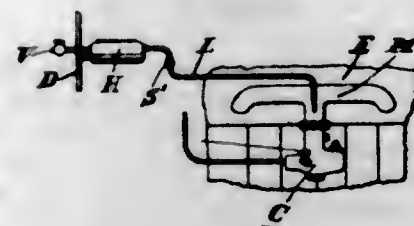
by conductors comprising a common return lead to one terminal of said battery; a circuit breaker operative to interrupt the circuit through said return lead upon abnormal tilting of the vehicle, and a generator connected for charging said battery and energizing said ignition apparatus, said generator having one terminal thereof electrically connected independently of said circuit breaker to that terminal of said battery to which said return lead is connected, whereby upon abnormal tilting of said vehicle the generator-ignition circuit is opened by the circuit breaker interrupting the circuit through said return lead.

1,740,896. MOTOR-VEHICLE SAFETY DEVICE. WALTER M. S. KILGOUR, Lexington, Mass. Original application filed Feb. 26, 1927, Serial No. 171,185. Divided into this application filed June 2, 1928. Serial No. 282,482. 6 Claims. (Cl. 200—52.)



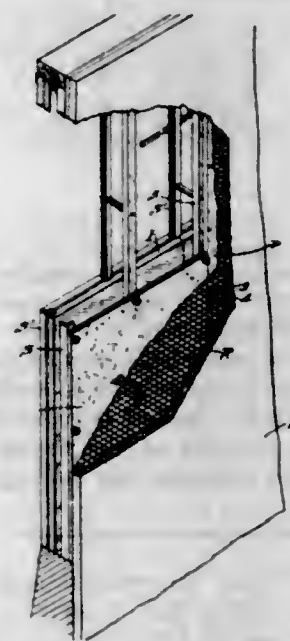
1. A circuit breaker comprising, in combination, a chambered body of insulating material having a conical bottom wall, a terminal at the apex of said wall, a terminal in said chamber above said apex, said chamber for containing a globule of mercury for establishing electrical communication between said terminals, a cover of conductive material for said chamber, said cover supporting said last mentioned terminal and being in electrical communication therewith, and means for attaching a conductor to said cover.

1,740,897. HUMIDIFIER. PIERRE LA ROUCHE, Biddeford, Me. Filed Oct. 8, 1928. Serial No. 311,220. 2 Claims. (Cl. 123—25.)



1. A humidifier for the intake of an internal combustion engine, comprising a casing, a body of moss in said casing adapted to maintain a body of water in extended state therein, and a vapor pipe passing through said casing and the moss therein, and connecting at one end with the intake of the engine, the opposite end of said pipe being open to the atmosphere externally of said casing and said pipe within the casing having an opening therein through which moisture from said moss may be drawn into the pipe by the suction of the engine whereby to humidify the air passing through said pipe.

1,740,898. STEEL INTERLOCKED, ASBESTOS-SHEATHED STUCCO OR BRICK VENEER WALL. JOHN D. LAWRENCE, San Diego, Calif. Filed June 27, 1928. Serial No. 288,659. 5 Claims. (Cl. 72—18.)



1. A building wall including a system of flanged stud bars, an outer sheathing applied to said bars and laid with abutting edges, and rivet means in the outer flanges of the stud bars having washers overlapping abutted edges of the sheathing and supporting a reinforcing means.

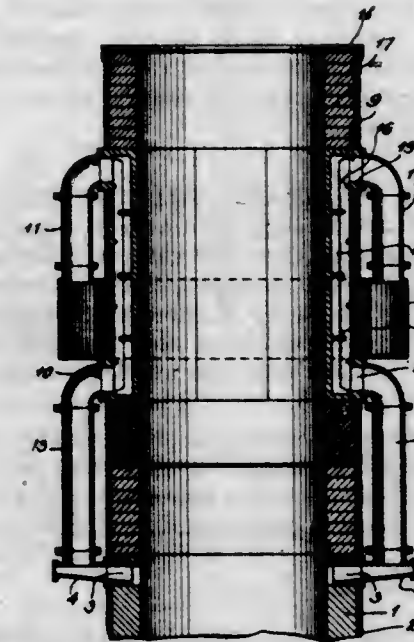
1,740,899. CLOTHES HANGER. FRANCES J. MOONEY, Philadelphia, Pa. Filed Mar. 19, 1927. Serial No. 176,669. 2 Claims. (Cl. 68—3.)



1. In a clothes hanger, two end bars, laterally spaced clothes line members connecting said bars, a supporting bracket connected to one bar and having an outwardly extending portion having a hole therein and provided with a downwardly turned, bifurcated end portion, and a supporting hook for detachably receiving the bracket and having a horizontal portion provided with an upturned end portion adapted to enter said hole, said bifurcated portion being adapted to receive the horizontal portion of the hook and prevent the bar from tilting when the upturned end portion of the hook is in said hole.

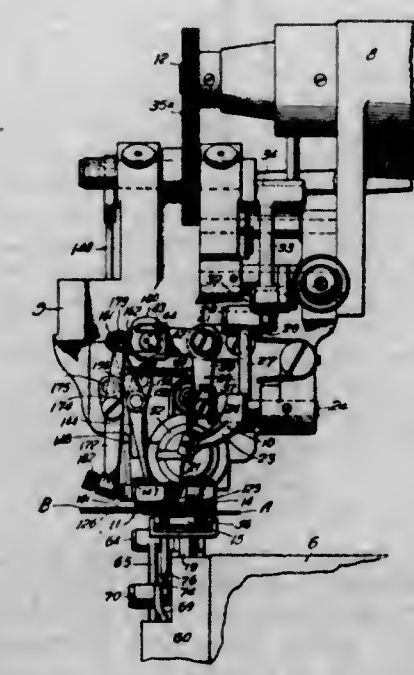
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1,740,900. HOT-BLAST CUPOLA. WILLIAM D. MOORE, Birmingham, Ala., assignor to American Cast Iron Pipe Co., Birmingham, Ala., a Corporation of Georgia. Filed Nov. 15, 1927. Serial No. 233,381. 7 Claims. (Cl. 266—14.)



3. In cupola construction, a body composed of similar integral transversely curved hollow sections arranged with their side edges abutting, each section having openings positioned to enable circulation of air vertically through the section, and having means to agitate and mix the air.

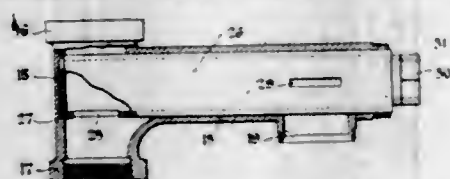
1,740,901. BLINDSTITCH FELLING MACHINE. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a Corporation of Maine. Filed Apr. 26, 1927. Serial No. 186,674. 22 Claims. (Cl. 112—177.)



1. In a blind stitch sewing machine for felling a superposed layer to a base layer, the combination of a reciprocating needle and a cooperating stitch forming mechanism, and a work presenting mechanism for directing the

turned-up edge portion of the superposed layer past said stitch forming mechanism including a vertically disposed guide extending from in front of the point of needle penetration to the rear thereof, means disposed below the base layer for projecting a node of base layer material into needle penetrating position, a horizontally reciprocating plunger operating above the base layer and cooperating with said guide to project a node of up-turned edge portion material into needle penetrating position, means for clamping the upturned edge portion against the guide during the projecting stroke of the horizontally reciprocating plunger, and means for reciprocating said plunger.

1,740,902. SANITARY TRAP FITTING. ROBERT NICHOLAS MURPHY, Ottawa, Ontario, Canada, assignor of twenty-eight and three-fourths per cent to the estate of James S. Wilson, deceased, and of eleven and one-fourth per cent to Harry R. Meredith, Ottawa, Ontario, Canada. Original application filed Mar. 24, 1925. Serial No. 17,875. Divided and this application filed Mar. 14, 1927. Serial No. 175,362. 1 Claim. (Cl. 182-22.)



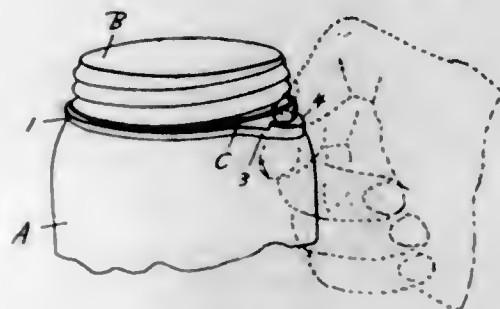
A sanitary trap fitting comprising a cylindrical body portion forming a vent outlet at one end and a waste outlet at the other, an extended branch communicating with said body portion and arranged at right angles thereto, a connection at right angles to said branch and arranged to be connected by a trap to a sanitary fixture, said branch being of such length that the trap connection extends to a position vertically beneath the sanitary fixture and being bored longitudinally, in combination with a hollow flushing plug closed at one end and provided with an aperture which may be registered with the vent or waste outlet and another aperture which may be registered with the trap connection.

1,740,903. MOP HOLDER. RASDAL RICKS, Springfield, Mo. Filed Nov. 22, 1928. Serial No. 321,210. 3 Claims. (Cl. 15-229.)



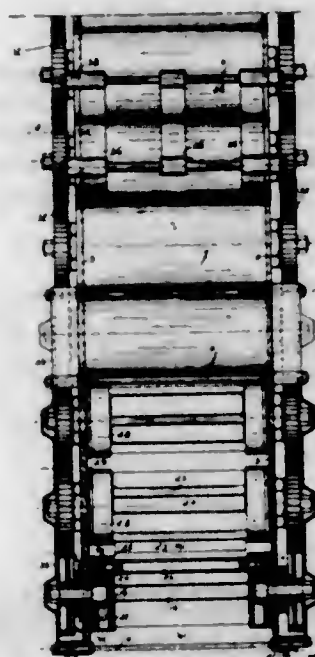
1. In a mop holder, a handle socket forming sleeve, spaced arms extending longitudinally from opposite sides of said member, a mop receiving collar carried by the outer ends of said arms axially aligned with said socket member and spaced therefrom to provide an air circulating space between said socket member and collar, and each of said arms formed at its inner end adjacent said socket member with a laterally and outwardly disposed shoulder having a bore therethrough adapted to receive a mop securing member therethrough in position accessible on the exterior of the mop holder.

1,740,904. SEALING RING FOR JARS. ANTHONY M. RINI, Dover, Ohio. Filed Dec. 28, 1927. Serial No. 243,073. 1 Claim. (Cl. 215-37.)



A sealing ring consisting of an annular body of elastic material, an integral lip projecting from the peripheral edge of the annular body, and a shoulder formed on one face of the lip at the outer edge portion thereof, the outer edge of the shoulder being shaped to conform to the contour of the lip, the inner face of the shoulder being curved to conform to the contour of the finger or thumb of a person grasping the sealing ring and pulling the same outwardly.

1,740,905. ELEVATOR. GUSTAVE ROSSIGNOL, Edgheem Lez Anvers, Belgium. Filed Nov. 7, 1925. Serial No. 67,637. and in Belgium Nov. 8, 1924. Renewed Sept. 24, 1929. 4 Claims. (Cl. 198-209.)

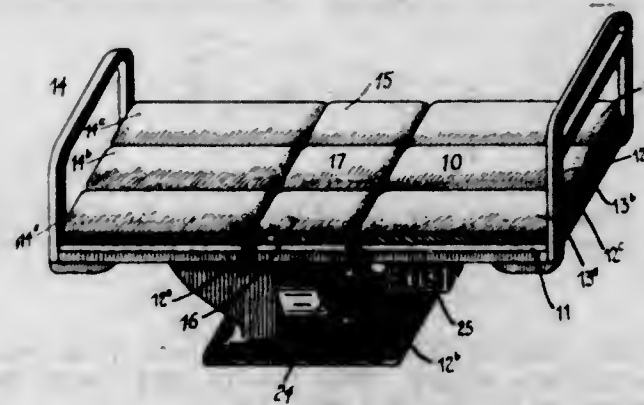


1. In a flexible elevator in combination jointed portions comprising each a number of chambers, drums rotatably mounted in the said chambers, each drum being provided with semi-circular cavities, vanes rotatably mounted in the said cavities and means for rotating the drums and vanes whereby a granulous matter shovelled by the vanes is carried from one chamber to the other.

1,740,906. ADJUSTABLE SECTIONAL BED. SIMON ROTHAUZKY and JOHN SCHLER, Akron, Ohio. Filed June 17, 1925. Serial No. 37,663. 2 Claims. (Cl. 5-66.)

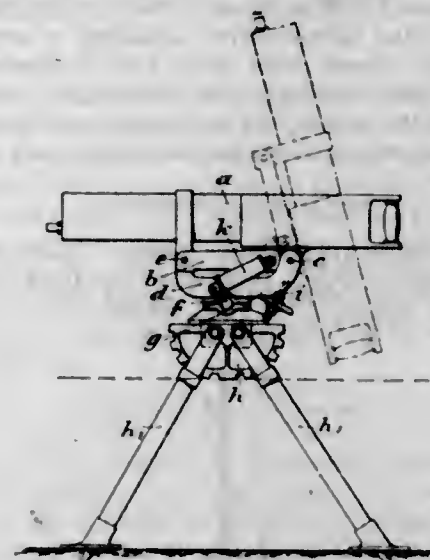
1. An adjustable bed comprising right and left side sections and head and foot sections, means hingedly connecting the sections by which they are each adapted to be angularly elevated, a frame having curved cross guides

adapted to support said sections and limit the downward movement thereof, crossed segmental racks slidable in



said guides and operable to selectively engage a section to raise and lower the same, and controlling means within reach of the patient for operating the racks.

1,740,907. CARRIAGE FOR LIGHT ORDNANCE. HERMANN SCHULER and FRIEDRICH LINDE, Dusseldorf, Germany, assignors to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed Oct. 2, 1928. Serial No. 309,854, and in Germany Apr. 30, 1926. 4 Claims. (Cl. 89-40.)



1. In light ordnance a lower carriage, an upper carriage adapted to be trained and elevated thereon, a gun mounted on and adapted to be elevated relatively to, said upper carriage, and disconnectible means for rigidly fixing said gun on said upper carriage.

1,740,908. FISHING POLE. HENRY E. SCHMEDLEN, Coldwater, Mich. Filed July 5, 1928. Serial No. 290,586. 3 Claims. (Cl. 43-18.)

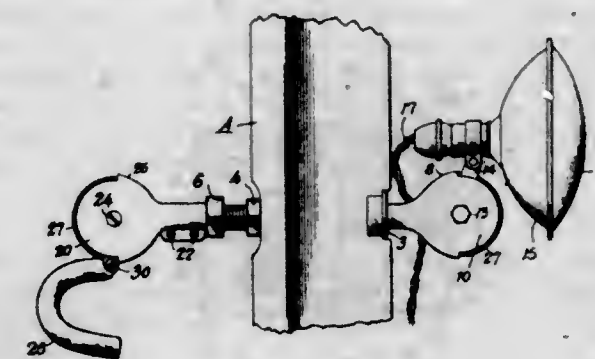


1. A fishing pole comprising an elongated body section formed with a longitudinally extending groove cut diametrically thereof with its bottom extending axially of the section, a resilient reinforcing rod disposed within the groove and extending axially of the section, and a filler fitted into the groove and firmly secured to retain the rod in place, the outer face of the filler being flush with the surface of the section.

1,740,909. VEHICLE SPOTLIGHT. WILLIAM R. SHAW, Denver, Colo. Filed Feb. 1, 1928. Serial No. 251,157. 3 Claims. (Cl. 240-61.)

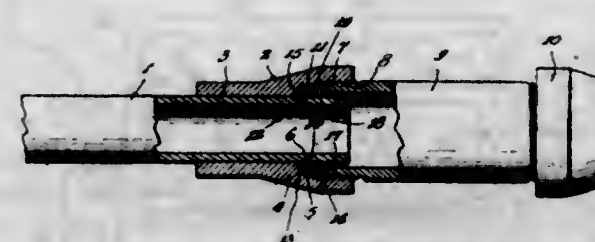
3. A vehicle spot-light comprising a bearing sleeve to be mounted through a portion of the vehicle, a tubular shaft

mounted in said bearing sleeve and frictionally held against casual movement therein, grooved rollers revolvably mounted at opposite ends of said shaft, a spotlight casing carried radially by one of said grooved rollers, a handle



extending radially from the second grooved roller, and a cable passing through said tubular shaft fitted upon said grooved rollers and secured thereto adjacent the lamp case and handle mounting respectively to impart movement to the spot-light casing as the handle is manipulated.

1,740,910. PIPE UNION. ROSWELL G. STALLARD, Centalla, Wash. Filed Apr. 8, 1926. Serial No. 100,632. 1 Claim. (Cl. 285-122.)

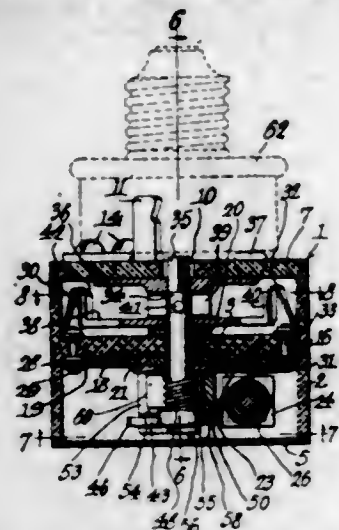


A pipe union of the class described comprising a body having a bore to accommodate a pipe end to be coupled, the bore having an enlarged portion providing a shoulder, a soft metal gasket having a flat face disposed against the shoulder and having its opposite face beveled, said gasket having its outer periphery initially engaged with the wall of the enlarged portion, a compression ring disposed within said enlarged portion of the bore and having its opening formed reversely with a flat face and a flared face, the latter face providing a beveled surface for coaction with the beveled face of the gasket, said enlarged portion of the bore being threaded, and a coupling nipple having its threaded end fitted into the said enlarged threaded end of the bore and having a flat terminal annulus bearing against said compression ring and when the body and nipple are threaded together, effecting movement of the ring to compress and distort the initially beveled face and said outer periphery of said gasket and effect binding of the gasket against the shoulder and wall of the bore and about the pipe end.

1,740,911. CIRCUIT BREAKER. JOHN NORTON TODD, Jr., Montgomery, Ala., assignor of twenty per cent to David L. Whetstone and twenty per cent to Walton M. Beasley, Montgomery, Ala. Filed June 18, 1927. Serial No. 199,291. 4 Claims. (Cl. 200-106.)

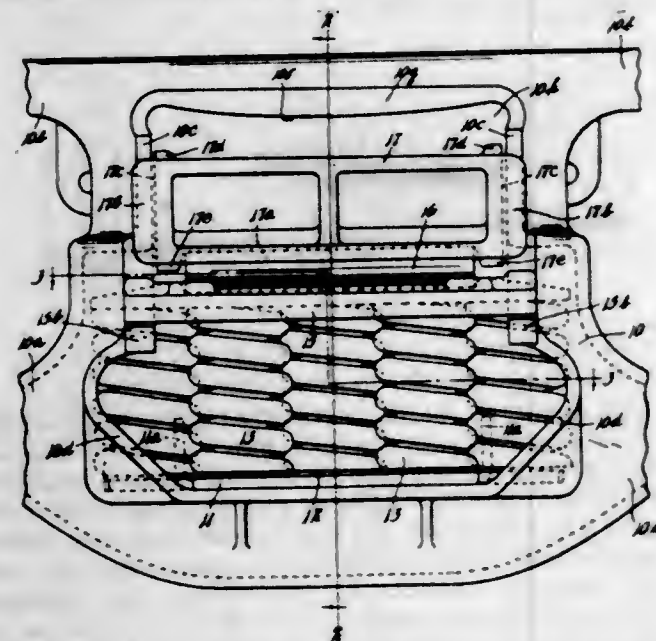
3. In a device of the class described, a shaft supported for rotation, an arm on the shaft, an electromagnet, an armature responsive to the magnet, a latch loosely connected to the armature, the latch cooperating with the arm, to hold the shaft against rotation, means for supporting the latch pivotally, means for rotating the shaft

when the latch is disengaged from the arm, a spring connected to the armature and constituting both a retracting



means for the armature and a means for holding the latch yielding in position to engage the arm, and switch mechanism carried by the shaft.

1,740,912. SIDE FRAME AND SPRING STRUCTURE. EDWIN W. WEBB, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 5, 1927. Serial No. 210,817. 9 Claims. (Cl. 105-197.)



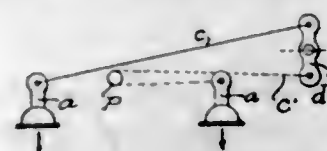
1. A car truck having in combination, a side frame comprising spaced bolster columns, a spring-receiving opening between said columns, said columns being of channel shape in cross section at their lower portion with the channels directed inwardly, thus forming recesses therein, said frame having a spring plank base at the bottom of the spring-receiving opening disposed at one level and extending into the recesses formed by said columns, a group of four or more springs disposed between said bolster columns and additional end springs placed at the ends of said group and disposed within the recesses formed by said columns.

2. The structure set forth in claim 1, said side frame having gussets extending upwardly in an inclined direction from the base of said columns at each side of said frame and disposed substantially in a true line of stress in the tension member of said side frame.

1,740,913. HEADLIGHT-TURNING MEANS FOR VEHICLES. AUGUSTE EDMOND ADAM, Wimereux, France. Filed Apr. 9, 1925, Serial No. 21,957, and in France July 30, 1924. 1 Claim. (Cl. 240-62.)

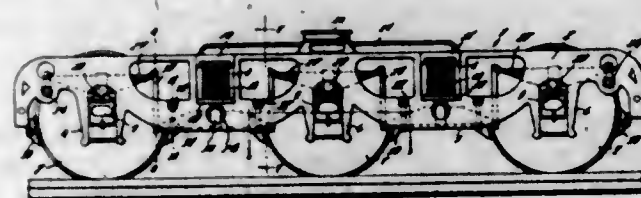
Means for adjusting the headlights on automobiles in the direction of travel, so that only one headlight is ad-

justed at the time, comprising a double armed lever provided on one turning knuckle of the axle, and flexible cords



connecting the free ends of said lever to the headlight, one of said cords having a bight, and a pulley engaged by said bight.

1,740,914. RAILWAY TRUCK. JOSE ANELLO, Villa Frontera, Coahuila, Mexico. Filed Dec. 15, 1928. Serial No. 326,390. 6 Claims. (Cl. 105-195.)



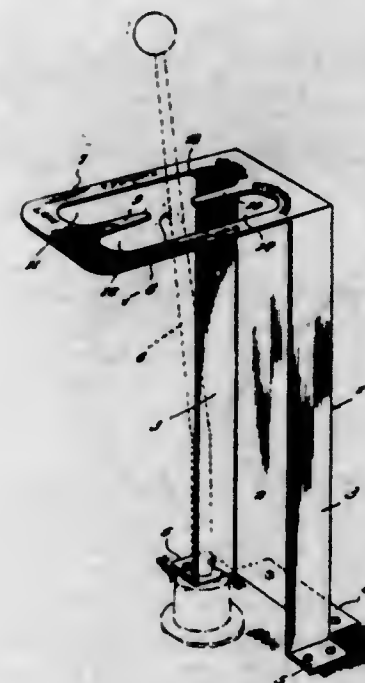
1. In a railway truck, spaced side frames, cross bars extending between the side frames, a bolster unit including spaced transoms for disposition across the side frames, said side frames being formed with openings to accommodate the vertically aligned cross bars and transoms, springs arranged in the openings for disposition between the transoms and the underlying cross bars, and longitudinally disposed equalizing springs associated with each side frame.

1,740,915. WELL-DRILLING TOOL. ROYD K. APPLEMAN, Beaumont, Tex. Filed Oct. 19, 1927. Serial No. 227,265. 1 Claim. (Cl. 255-81.)



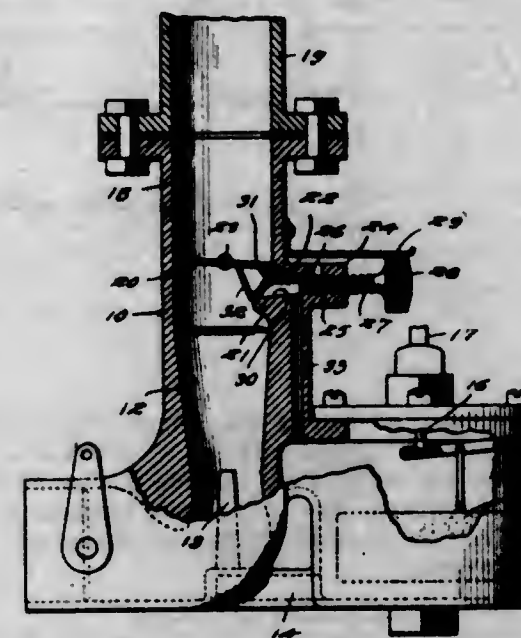
A tool joint and reamer for a deep well drilling apparatus comprising a stem provided with transverse passages spaced from each other longitudinally thereof and disposed transversely of each other, a bit at the lower end of said stem of greater width than the diameter of the stem and having its side portions projecting therefrom, and blades passed through the passages of said stem and each consisting of a metal plate of the same width as the bit and having its end portions projecting from opposite sides of the stem and its end edges sharpened and extending vertically in the planes of the side edges of said bit, the upper and lower ends of the projecting portions of said blades extending at an incline from the stem to the end edges of the blades to facilitate advancement and withdrawal of the tool.

1,740,916. GEAR-SHIFT-LEVER GUIDE. RALPH E. ASHTON, Arvada, Colo. Filed May 29, 1928. Serial No. 281,551. 1 Claim. (Cl. 74-89.)



A device of the character described comprising a standard including a front wall and side walls, means carried by the lower ends of the respective walls for attachment to an automobile, the upper end of the standard having formed integral therewith a horizontally disposed plate, said plate having an opening therein, fingers carried by the plate and extending into the opening and having their opposite ends spaced, said fingers dividing the plate into communicating slots for selective engagement with the shift lever of an automobile.

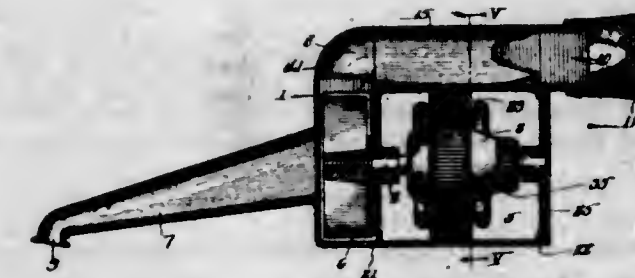
1,740,917. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. HOWARD BECK, Pocatello, Idaho, assignor of nine-tenths to Myron Hurbough, Bliss, Idaho. Filed July 7, 1926. Serial No. 120,999. 1 Claim. (Cl. 261-72.)



In combination with a carburetor having a nozzle and a throttle valve, a closed fuel bowl having a port communicating with the nozzle, a duct leading from the bowl, a connection between said duct and the atmosphere, a second connection between said duct and the throat of the

carburetor adjacent the throttle valve, the connections between the throat of the carburetor and said duct opening through a portion of the wall of the throat arcuately curved with the axis of rotation of the throttle valve as a center, the throttle valve having an arcuate flange fitting said wall and completely closing the mouth of the connection when the throttle valve is closed, said mouth being enlarged and of greater width than the thickness of the throttle valve, the connection between said duct and the atmosphere comprising a threaded bore communicating with said duct, a port opening into the wall of the threaded bore and a screw adjustable in said threaded bore for determining the effective size of said port.

1,740,918. AIR-SUCTION APPARATUS. ALEX. A. CLARKE, Chicago, Ill. Filed Feb. 28, 1927. Serial No. 171,400. 6 Claims. (Cl. 230-117.)



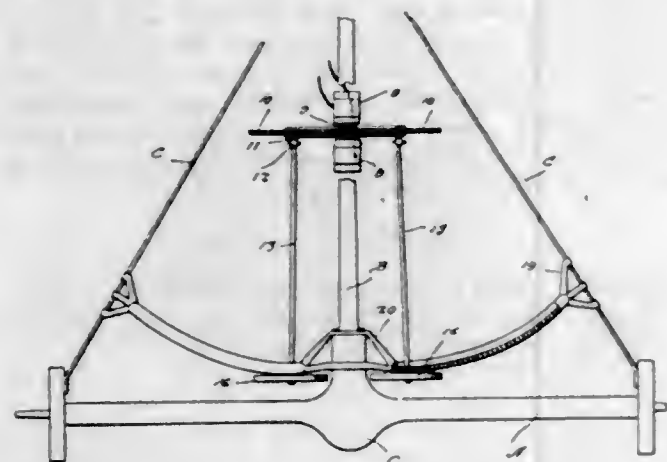
1. In a suction cleaner, a rotary fan, an electric fan-driving motor in the rear of said fan coaxially therewith, a casing comprising a chamber surrounding said fan, a chamber surrounding said motor, an intake duct extending from said fan chamber, and a discharge duct extending from said fan chamber and leading adjacent said motor chamber alongside thereof, said discharge duct constituting an elongated protuberance extending alongside said motor chamber and fitting the palm of the operator for gripping the cleaner.

1,740,919. FLEXIBLE SHARP-FREEZING CONTAINER. LLOYD G. COPEMAN, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a Corporation of Michigan. Filed Oct. 5, 1928. Serial No. 310,556. 6 Claims. (Cl. 62-111.)



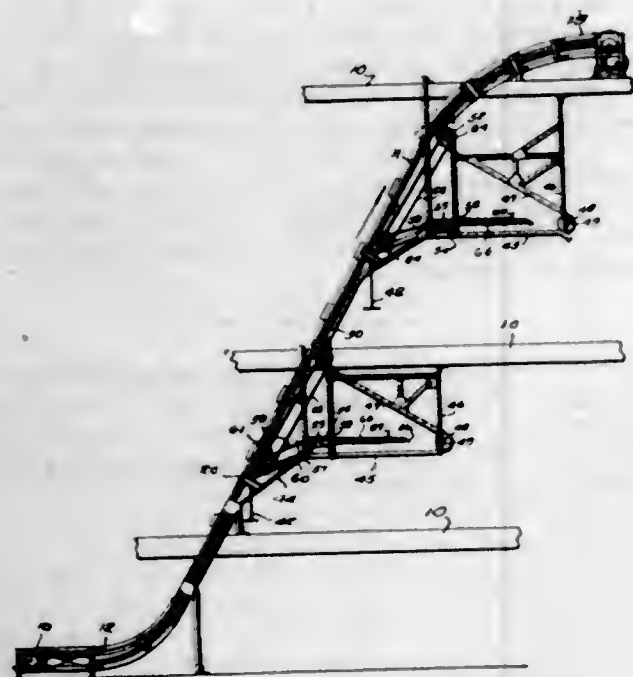
1. As a new article of manufacture, a sharp freezing container formed of flexible material, the outer walls of said container being provided with a lip extending above the normal level of the liquid to be frozen.

1,740,920. PARKING MECHANISM. MERRILL O. DE CAMP, Jackson, Mich. Filed Mar. 30, 1929. Serial No. 351,437. 3 Claims. (Cl. 180—1.)



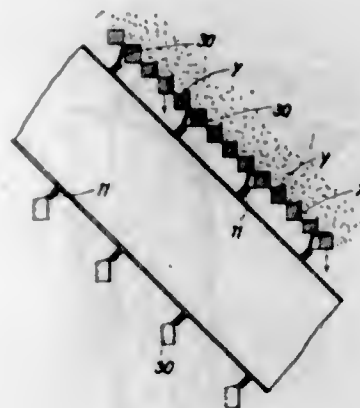
1. A vehicle parking mechanism comprising a pair of slotted guides, rack teeth on said guides, a shaft disposed through each guide, a pinion on each shaft, a wheel mounted on each shaft, and means for rotating said shaft.

1,740,921. CONVEYER. HENRY R. GOTTHARDT, Louisville, Ky., assignor to Logan Co., Louisville, Ky., a Corporation of Kentucky. Filed Oct. 30, 1926. Serial No. 145,254. 5 Claims. (Cl. 198—42.)



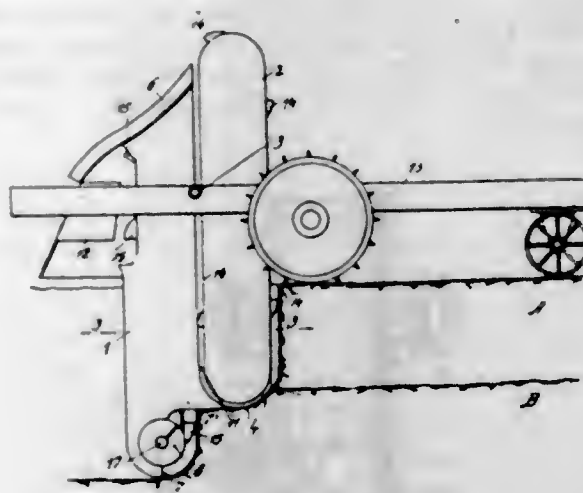
1. A conveyer comprising a pair of stationary aligned ramp sections having their adjacent ends spaced to provide an opening, a movable door normally closing said opening and forming a substantial continuation of said ramp sections, sprockets arranged adjacent opposite ends of said ramp sections, continuous conveyor chains passing around said sprockets and having portions arranged above and below said ramp sections, cross bars carried by said chains, sprockets arranged beneath said door and spaced a substantial distance therefrom, said chains being adapted to pass around said last named sprockets, and supplementary conveying means having a portion arranged between said last named sprockets and said door and adapted to receive articles passing through said opening.

1,740,922. APPARATUS FOR DIGGING UP AND CONVEYING GROUND FROM BELOW THE SURFACE. MAX JAEGER, Wesselsburen, Germany, assignor to Hedwig Krueger, Washington, D. C. Filed Mar. 12, 1929. Serial No. 346,415, and in Germany Oct. 26, 1928. 8 Claims. (Cl. 97—43.)



1. Device for digging up ground from below the surface comprising a cutting tube, two kinds of cutters inclined to opposite sides mounted on said tube in a helical line in spaced relation, an excavator at the lower end of said tube and means within said tube for conveying the material cut off by said excavator upwardly in axial direction.

1,740,923. MACHINE FOR DIGGING UP GROUND FROM BELOW THE SURFACE. MAX JAEGER, Wesselsburen, Germany, assignor to Hedwig Krueger, Washington, D. C. Filed Apr. 8, 1929. Serial No. 353,606, and in Germany May 11, 1927. 11 Claims. (Cl. 37—57.)

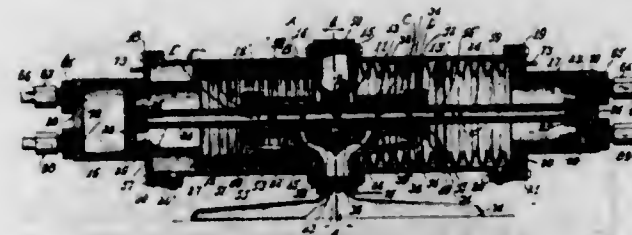


4. A machine for digging up ground from below the surface comprising a portable frame, a leading and a trailing excavator on said frame, the effective width of said leading excavator exceeding that of said trailing excavator, and helical cutters of opposite pitch at either side of said trailing excavator.

1,740,924. COMPRESSOR. HERBERT C. KELLOGG, Detroit, Mich. Original application filed Mar. 9, 1925, Serial No. 14,180. Divided and this application filed Sept. 16, 1927. Serial No. 219,900. 17 Claims. (Cl. 230—54.)

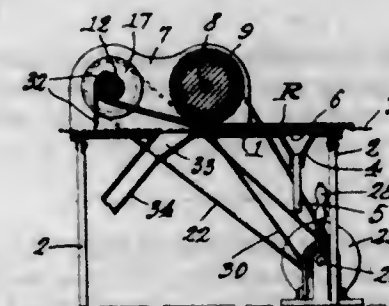
1. In compressor apparatus of the class described, the combination of fluid receiving shells supported in alignment, compressor cylinders supported by opposite ends of the

shells, pistons in said cylinders, a central transverse dividing member between said shells and to which said shells are secured, extensible members connected to said pistons and



to said central dividing member, and valve mechanism carried by said central dividing member for controlling the admission and discharge of a working fluid to and from said extensible members.

1,740,925. APPARATUS FOR FINISHING AND ROLLING CLEANED RUGS AND THE LIKE. HERMANN KLEIN, Milwaukee, Wis., assignor to Klein, Welner & Bell, a Firm of Milwaukee, Wis. Filed Aug. 3, 1928. Serial No. 297,263. 1 Claim. (Cl. 26—29.)



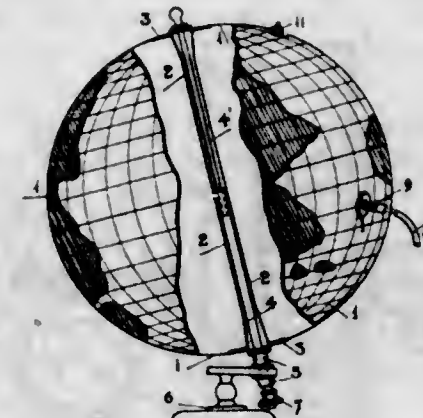
Apparatus for finishing rugs including a table, a steam trough thereunder and opening therethrough, a foraminous covering for the trough flush with the table, means for directing steam into the trough, a suction trough below and opening through the table, a suction flue extending therefrom, an endless foraminous conveyor movable along the table and over the troughs for engaging the bottom of a rug and conveying it across the troughs thereby to be subjected successively to the action of steam and suction, a rotary brush for engaging the nap of the rug at a point between the troughs, and means for removing the rug from the conveyor after it has been acted upon by the brush and for supporting it off of said conveyor above the suction trough.

1,740,926. DECIMAL TABULATOR FOR TYPEWRITERS. CARL KUPFER, Nuremberg, Germany, assignor to Triumph-Werke Nuremberg A.-G., Nuremberg, Germany. Filed Feb. 16, 1927. Serial No. 168,772, and in Germany Feb. 17, 1926. 3 Claims. (Cl. 197—178.)



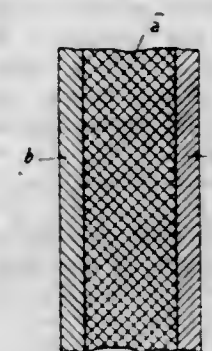
1. In a decimal tabulator for typewriters, the combination with a U-section stop bar having front and rear vertical slots, said front slots being higher than said rear slots, of riders capable of sliding backward and forward in said slots, abutments on said riders capable of limiting the backward sliding movement of the riders in the rear vertical slots but able to pass right through the front vertical slots.

1,740,927. ELASTIC GLOBE MAP OF THE WORLD. ADELMO LANDINI, Genoa, Italy. Filed Feb. 4, 1929. Serial No. 337,383, and in Italy Dec. 14, 1928. 3 Claims. (Cl. 25—5.)



1. An inflatable globe map comprising an air-tight inflatable balloon having drawn, marked, or otherwise impressed thereon a complete world map, means for inflating such balloon globe and vent means for the escape of the excess inflation means beyond a predetermined maximum internal pressure.

1,740,928. COMBINATION STRUCTURAL PLATE. PAUL LANGGUTH, Berlin, Germany. Filed Jan. 20, 1928. Serial No. 248,191, and in Germany Oct. 29, 1926. 2 Claims. (Cl. 72—26.)



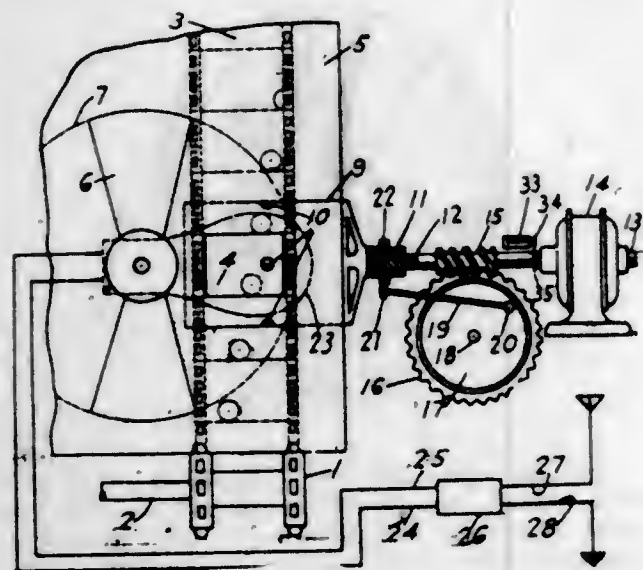
1. A plate comprising a body of concrete and cover layers of disintegrated wood and a binding medium on opposite sides of said body and coalesced therewith.

1,740,929. LUBRICANT-RETAINING WASHER. ROBERT J. LOOCK, Baltimore, Md. Filed Sept. 14, 1927. Serial No. 219,501. 1 Claim. (Cl. 288—1.)



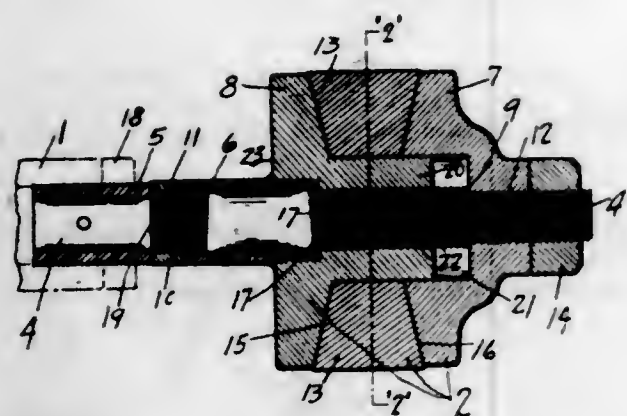
A washer consisting of single piece of leather in the form of a thick disc with a central aperture therein, one face being provided with a groove cut at an angle to the face and forming an inwardly slanted pocket, and a coiled spring in said pocket acting upon approximately one-half the thickness of the central portion to contract the central aperture so that it will assume a conical form to snugly fit the axle upon which the washer is mounted.

1,740,930. ELECTRICAL TRANSMISSION OF MOTION PICTURES AND THE LIKE. WILLIAM MALM, New Orleans, La. Filed June 8, 1927. Serial No. 197,431. 3 Claims. (Cl. 178-6.)



1. The combination with a radio transmitting device and a light responsive device for relaying impulses to said radio transmitting device, of a motion picture film actuating device comprising a suitable sprocket for imparting an intermittent movement to a motion picture film, a light source for illuminating successive pictures on said film, and a suitable revolving shutter located at a point between said film and said light source, permitting said light source to illuminate each successive picture on said film only during intervals at which said film is at rest, varying transparency of said film to determine degrees of reaction between said light source and said light responsive device.

1,740,931. PUMP PISTON. WILLIAM FREDERICK MCMAHON, Riverside, Calif. Filed Apr. 20, 1929. Serial No. 356,845. 8 Claims. (Cl. 74-109.)

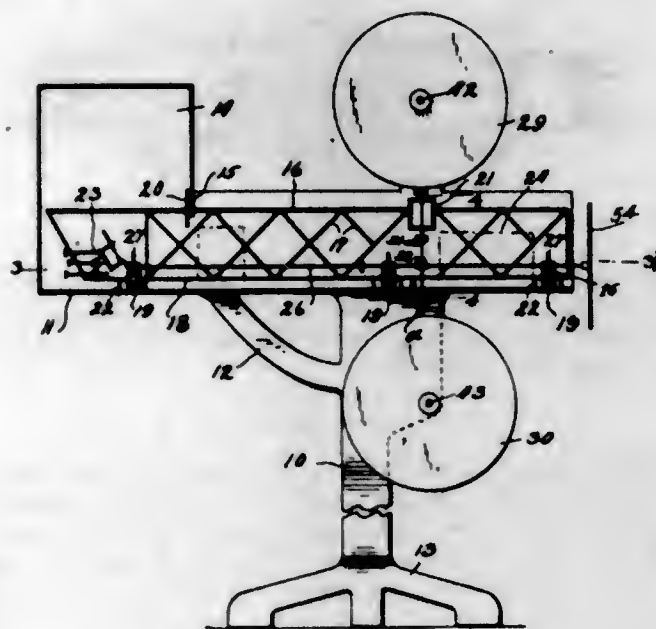


1. A pump plunger comprising a piston rod, a sleeve disposed about the piston rod, a head element secured to the sleeve and having threaded connection with the piston rod, a second head element fixed to the piston rod, a pliable packing between the head elements, a locknut on said piston rod.

1,740,932. MOVING-PICTURE PROJECTOR. DAVID LE ROY MANTLE and GRIFFITH L. GORDON, Pawhuska, Okla. Filed Oct. 2, 1924. Serial No. 741,249. 9 Claims. (Cl. 88-16.8.)

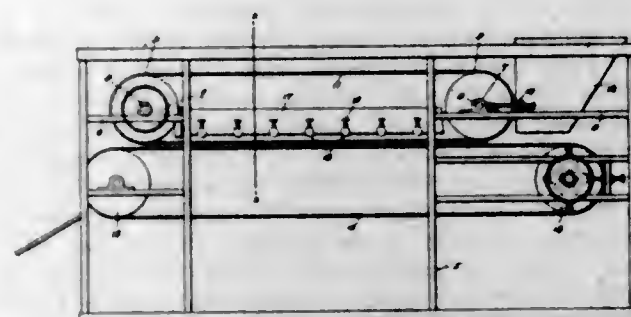
1. A projector for moving pictures including a supporting platform, film magazines carried thereby, means for moving the film constantly from one magazine to the other, a frame disposed above the platform and carrying a lens system and a light system, between which systems the film

operates, springs urging the frame upward, cams operating to cause the alternate bodily downward movement of the frame at a speed equal to that of the film and the rapid upward bodily movement thereof, a shutter, and manually



operable means for feeding the film from one magazine to the other, operating said cams, and operating said shutter to cause the occultation of the projected beam while the frame is moving upward.

1,740,933. BEAN-CLEANING MACHINE. GEORGE W. MARTIN, San Francisco, Calif. Filed July 17, 1928. Serial No. 293,366. 2 Claims. (Cl. 146-194.)

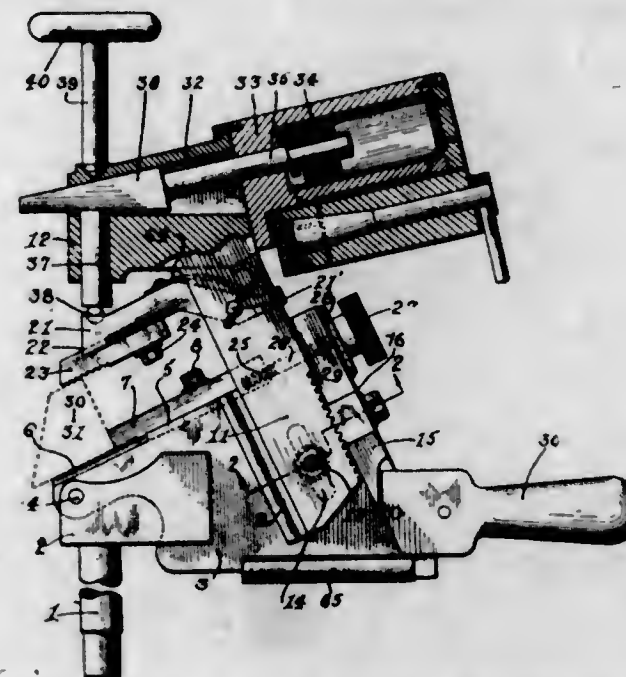


1. In a machine for cleaning beans comprising an endless foraminous belt, a second endless foraminous belt arranged in superposed relation to the first belt and terminating short of one end thereof, a bean receiving hopper arranged at one end of the upper belt and directly over the uppermost run of the lower belt and the end thereof projecting beyond the upper belt, a manifold extending longitudinally of said belt at one side thereof, and a plurality of transversely extending discharge pipes communicating with the manifold and arranged in relatively close proximity to the lowermost run of the upper belt.

1,740,934. AIR JACK FOR WOOD-HEEL-TURNING MACHINES AND THE LIKE. RALPH LESLIE RAYMOND, Montreal, Quebec, Canada, assignor to Dominion Wood Heel Corporation, Limited, Montreal, Canada, a Corporation. Filed Dec. 30, 1928. Serial No. 158,000. 2 Claims. (Cl. 12-87.)

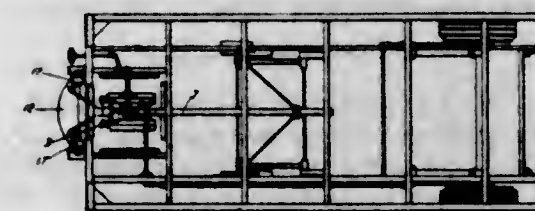
1. In a wood heel turning machine, a jack base, a gripping jaw formed thereon, a head mounted above said base, connecting means between said head and base whereby the head is supported by the base, another jaw pivotally supported by said connecting means and disposed above the first named jaw, a pin slidably and vertically mounted

in said head and adapted to bear upon said upper jaw, said head having a tapered recess, a wedge slidable in said recess and engaging the upper end of said pin, a cylinder secured adjacent said head, a rod extending from said wedge



into said cylinder, a piston mounted within said cylinder and secured to said rod, and valve mechanism for controlling supply and exhaust of pressure fluid to said cylinder at opposite sides of said piston.

1,740,935. TRACTOR AND SEMITRAILER. FREDERICK M. REID, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 3, 1928. Serial No. 251,496. 3 Claims. (Cl. 280-83.1.)



2. The combination with a tractor and semi-trailer, of a tiltable fifth wheel carried by the tractor, means carried by the trailer cooperating with this fifth wheel whereby the fifth wheel cams up the trailer as the tractor is backed toward the trailer, a fixed camming member carried by the tractor, this camming member being so positioned and being disposed at such an angle as to line up with the rear portion of the tiltable fifth wheel when the wheel is tilted rearwardly to form a substantially continuous camming surface, said fixed camming member initially camming up the semi-trailer when the forward end thereof is in a horizontal plane lower than the lowest portion of the tilted fifth wheel.

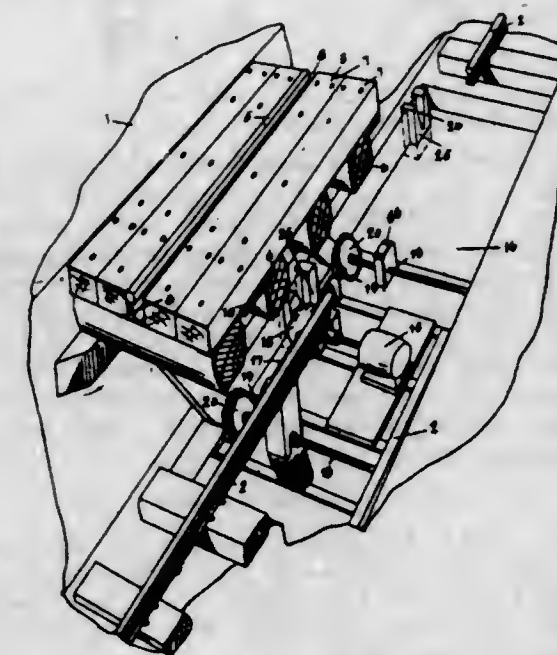
1,740,936. LOOSE-LEAF BINDER. RICHARD M. WATSON, Detroit, Mich. Filed July 11, 1925. Serial No. 42,882. 2 Claims. (Cl. 129-1.)



1. A loose leaf binder, comprising a foldable cover and a base plate positioned adjacent the point of folding, the edge of said plate remote from said point of folding, being

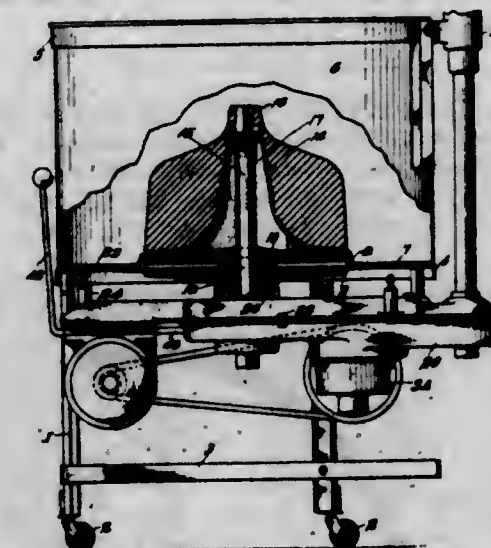
provided with a bossed-up bearing receiving a spindle of a prong element having a plurality of prongs for holding the leaves, and a plurality of bossed-up beads extending transversely of said base plate and provided with openings for receiving said prongs, said cover being provided with openings cooperating with said prongs and transverse beads.

1,740,937. RAILROAD-PLATFORM BRIDGE. ALBERT E. ZOLLER and CLAUD L. FULGHUM, Tiffin, Ohio. Filed June 5, 1928. Serial No. 282,963. 6 Claims. (Cl. 104-31.)



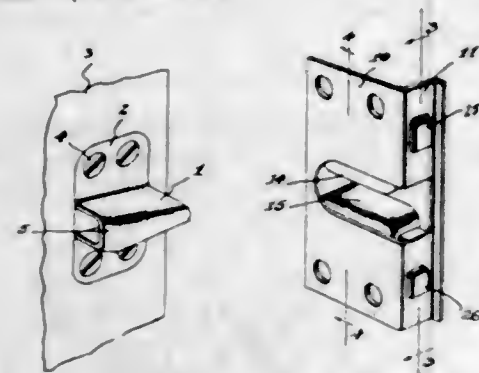
1. In a railroad platform bridge, a bridge member having rail sections, a pair of platforms located above the railroad track, and means located below the railroad track for raising the bridge member from the plane of the track bed to the level of the platforms and for lowering the bridge member to the level of the track bed.

1,740,938. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill. Filed July 2, 1925. Serial No. 41,150. 4 Claims. (Cl. 259-101.)



1. In a washing machine, in combination, a frame including standards and connecting annular rings, a gear casing supported by and suspended from one of said rings, a tub adapted to rest on said last mentioned ring, a tubular post extending through the bottom of said tub, and a nut adapted to engage the lower end of said post to clamp the post and tub and casing together.

1,740,939. DOOR BUMPER. THOMAS P. ANCHER and JOHN B. FLYNN, Detroit, Mich., assignors to Ternstedt Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed July 17, 1926. Serial No. 123,068. 10 Claims. (Cl. 16—86.)



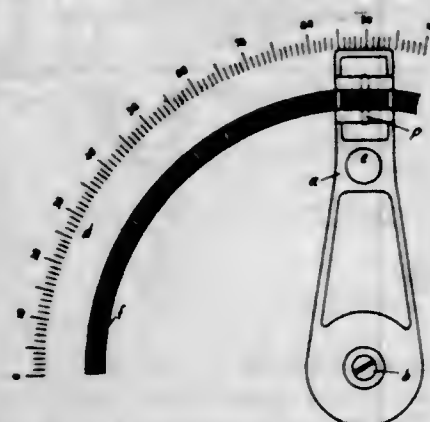
1. In a door bumper, a socket member adapted to be secured to a door post for cooperating with a striker member on a door stile, this socket member being constructed from a single piece of sheet metal and comprising a platelike body portion, a box structure formed by upturned side walls and striplike portions integral with the ends of the side walls and which are bent transversely across the body portion, this box structure being of a length less than the length of the body portion whereby the socket member can be embedded in a door post with a minimum of cutting away of the post.

1,740,940. MILL ROLLER. CHARLES P. BHASINGTON, Cincinnati, Ohio, assignor to The International Printing Ink Corporation, New York, N. Y., a Corporation of Ohio. Filed Apr. 28, 1928. Serial No. 273,728. 5 Claims. (Cl. 83—12.)



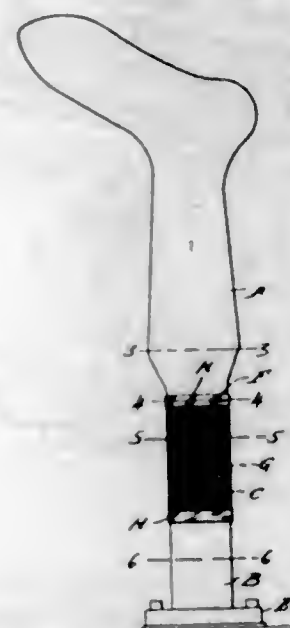
1. A roller for a mill of the class described, comprising a cylindrical roller provided at its ends with enlarged bores, and trunnions disposed in said enlarged bores, said trunnions having a metal thickness providing, together with the roller bore, a passageway adapted to receive a cooling medium, said passageway of relatively uniform diameter over an extent commensurate with the working surface of the roller.

1,740,941. INDICATING DIAL. HERMANN GADGAST, Tempelhof, near Berlin, Germany, assignor to Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Filed Aug. 6, 1928. Serial No. 297,822, and in Germany Aug. 9, 1927. 10 Claims. (Cl. 116—129.)



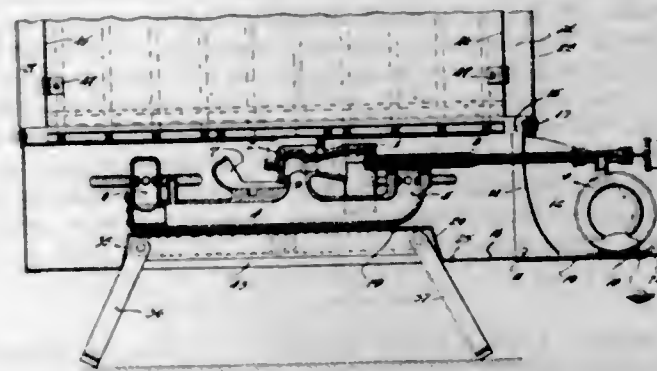
1. A radio indicator comprising a dial and an indicating hand relatively movable to each other, means to effect such movement, and means for minute and positive adjustments of the indicating hand relative to the dial.

1,740,942. HOSIERY-DRYING APPARATUS. CHARLES N. HARRINGTON, HENRY T. MAY, and CHARLES B. MAXFIELD, La Crosse, Wis., assignors to La Crosse Knitting Company, La Crosse, Wis., a Corporation of Wisconsin. Filed Sept. 12, 1927. Serial No. 219,027. 5 Claims. (Cl. 223—17.)



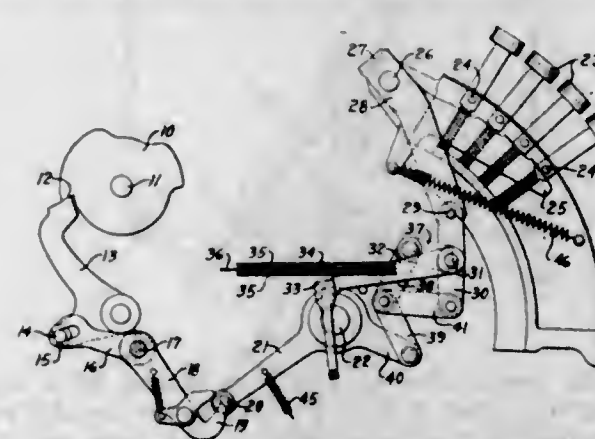
1. The combination with a heated fabric drying form having an enlarged body and reduced shank, of a plate fitting against said shank and having a cut-away portion, a fabric engaging the outer surface of said plate and extending across said cut away portion to be exposed to the desired radiation from said heated form, and means for securing said fabric and plate to said shank.

1,740,943. COLLAPSIBLE STOVE STRUCTURE. JAMES IRONSIDE, Detroit, Mich., assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich., a Corporation of Delaware. Filed July 14, 1928. Serial No. 292,640. 16 Claims. (Cl. 126—38.)



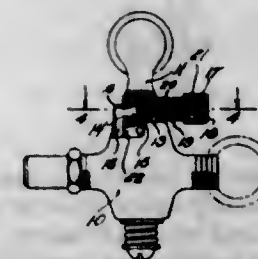
1. A stove structure, comprising a casing, a burner structure of the two-burner type positioned within the casing, a fuel supply unit comprising a tank and a generator tube secured thereto, said generator tube being slidable longitudinally relative to one of said burners, one wall of said casing being movable to a position substantially in alignment with the bottom of the casing to receive and support said unit.

1,740,944. CASH REGISTER. WILHELM KROPPF, Berlin-Charlottenburg, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Nov. 26, 1926. Serial No. 150,817, and in Germany Jan. 29, 1926. 13 Claims. (Cl. 235—7.)



1. In a machine of the class described, the combination of a machine releasing lever, a feeler arm, a toggle connection between said lever and arm, manipulative means, and means operable by said manipulative means for changing the angular relation between the members of said toggle for moving said lever and arm.

1,740,945. SAFETY LOCK FOR GAS COCKS. WALDEMAR O. KUEHN and THEODORE WESOLOWSKI, Milwaukee, Wis. Filed Feb. 25, 1929. Serial No. 342,512. 2 Claims. (Cl. 251—164.)

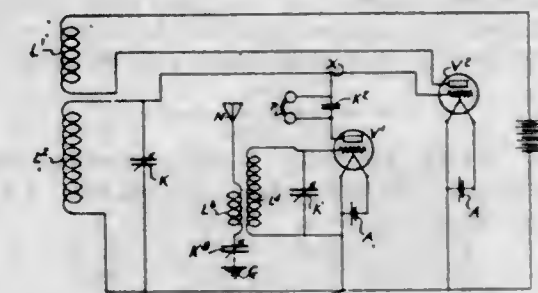


1. In a gas cock the combination of a valve housing, a valve plug rotatable in said housing, an operating stem projecting upwardly from said plug, a handle extending laterally from the end of said stem, a stop pin in said stem, a cut-away portion in said housing for receiving said pin and coacting with said pin to limit rotation of said plug, said stem having a transverse perforation therein disposed below and at right angles to said handle, said perforation terminating in a narrow mouth, a locking pin projecting through said perforation, an enlarged flat portion on one end of said pin engaged in and guided by said narrow mouth, a depending detent lug projecting from said enlarged portion, said detent being disposed to interlock within said cut-away portion when said valve plug is in valve closing position to thereby releasably retain the valve in closed position, said detent also being disposed to ride on said valve housing during rotation of said plug toward and from closed position, an operating button on said locking pin below and at one side of said handle, and a compression spring between said button and said valve stem for urging said detent inwardly against said valve body or in interlocking engagement with said cut-away portion.

1,740,946. RADIO RECEIVING SYSTEM. ROBERT E. LACAUT, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Apr. 20, 1924. Serial No. 709,735. 7 Claims. (Cl. 250—20.)

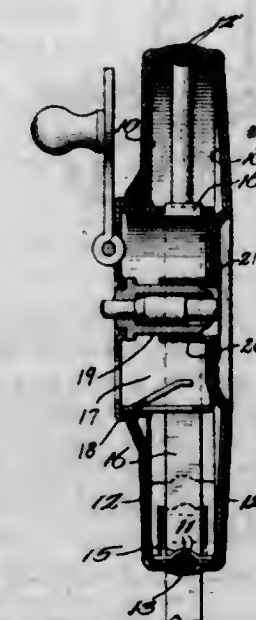
1. A receiving system for high frequency oscillations comprising a vacuum tube and coupled input and output circuits for causing said tube to act as an oscillator, a sec-

ond vacuum tube and a tuning circuit therefor adapted to be tuned to incoming high frequency signal oscillations, said second vacuum tube being connected across the input



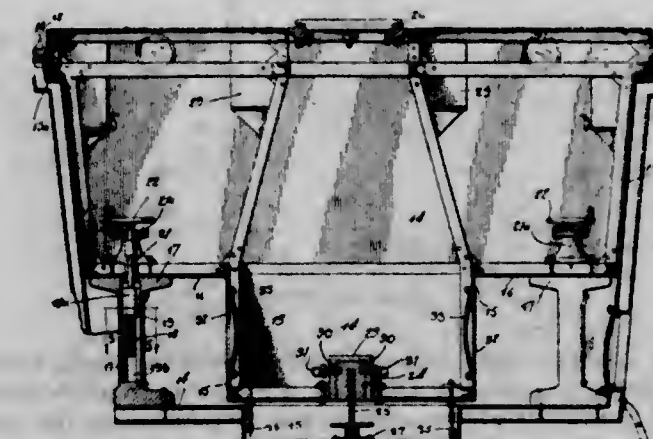
of said first vacuum tube oscillator so as to make the received incoming high frequency oscillations to which the tuned circuit is tuned affect the internal impedance of the first vacuum tube.

1,740,947. MEASURING TAPE. ADOLPH LANGSNER, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a Corporation of Delaware. Filed Aug. 19, 1926. Serial No. 130,219. 13 Claims. (Cl. 220—1.)



1. A measuring tape having a two part case with a bead on each part, said beads snapping into interlocking engagement upon the telescoping of said parts.

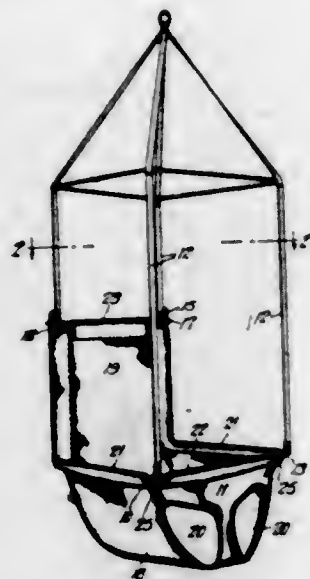
1,740,948. LIFE-SAVING DEVICE FOR SUBMARINES. FREDERICK H. LEAR, South Amboy, N. J. Filed Apr. 17, 1928. Serial No. 270,692. 3 Claims. (Cl. 114—16.7.)



1. A marine vessel of the character described, having a float receiving chamber opening through the deck of the

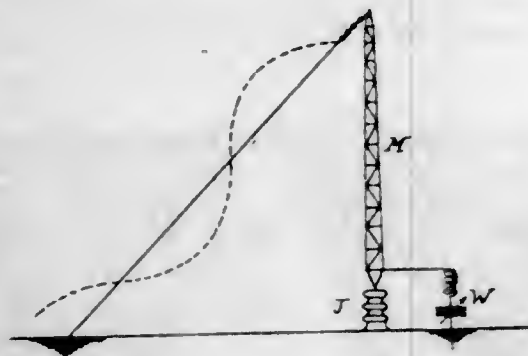
vessel, and communicating with the compartments in the hold of the latter, by openings in the walls of the chamber having sealable closing means, screw blocks carried by the vessel and mounted for sliding and non-rotating movement and screws carried by the float and operable interiorly thereof for engagement with the blocks to anchor the float in the float receiving chamber of the vessel.

1,740,949. BABY SWING. MICHAEL LUERY, Chicago, Ill. Filed Feb. 19, 1926. Serial No. 89,422. 2 Claims. (Cl. 155—58.)



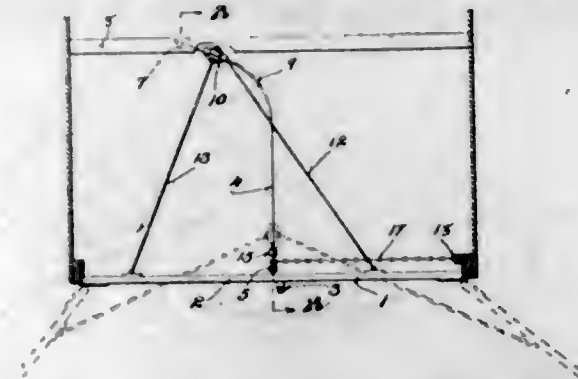
1. In a swing of the character described, the combination of a frame and flexible material associated with the frame and formed to provide a seat and a back, the edges of said flexible material being formed to provide a hem for the reception of the frame, the hem being separable along a portion of the frame to release the material from the frame and allow the removal of the material from the frame endwise of said frame.

1,740,950. DIRECTIONAL ANTENNA SYSTEM. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed July 15, 1925, Serial No. 43,684, and in Germany July 25, 1924. 2 Claims. (Cl. 250—11.)



1. A directional antenna system comprising an aerial, a conductive support therefor, a tunable circuit between said support and the ground for proportioning the electrical characteristics of said support so as to reflect the oscillations induced therein by the oscillations generated in the aerial at a desired wave length, whereby the aerial is given a directional characteristic.

1,740,951. SELF-LOCKING DOOR-CONTROL DEVICE.
OTTO A. MOLDENHAUER, Milwaukee, Wis. Filed Mar.
11, 1929. Serial No. 346,047. 5 Claims. (Cl. 268—61.)



1. The combination of a pair of hinged doors having meeting free edges, a track, a trolley carried by said track, links extending from said trolley to said doors, said track having a laterally extending curved portion approximately at right angles to the link from one of said doors when the trolley is on such portion of said track.

1,740,952. TRUSS. HARRY G. NORWOOD, Baltimore, Md., assignor of one-half to A. D. T. Libby, East Orange, N. J., and one-half to Clarence S. Mayer, New York, N. Y. Filed Aug. 17, 1927. Serial No. 213,540. 10 Claims. (Cl. 128-117.)



1. In a hernia truss, a supporting means, a cushion of resilient material having means for attachment to said supporting means, said cushion having a central flesh engaging portion and an integral outer flesh engaging portion concentrically spaced apart from the central portion, said portions being formed as arches having a common union, the inner portion of which engages said supporting means, substantially as described.

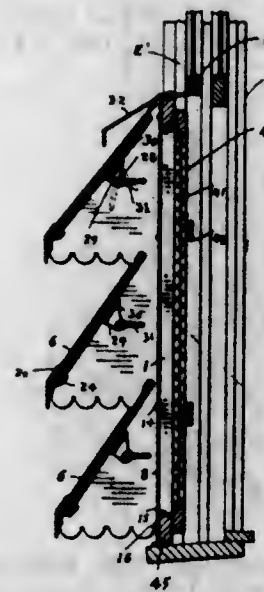
1,740,953. TRUSS. HARRY G. Noarwood, Baltimore, Md., assignor of one-half to A. D. T. Libbey, East Orange, N. J., and one-half to Clarence S. Mayer, New York. N. Y. Filed Jan. 31, 1928. Serial No. 250,750. 7 Claims. (Cl. 128—117.)



1. A hernia truss comprising; a cushion of resilient material having a central arch bearing portion and an integral outer arch bearing portion concentrically spaced apart from the central portion and terminating in a rim, said portions having a common abutment spaced from the rim and means for carrying the cushion directly on the body strap, said means consisting of slots oppositely disposed in the rim to receive the main body strap, the slots being positioned so the body strap engages said abutment and at least another slot through the rim of the cushion to receive an auxiliary strap adapted to be supported by the body strap.

DECEMBER 24, 1929

1,740,954. VENTILATOR DEVICE. HERMAN PAINE and JOSEPH J. READLE, Muncie, Ind. Filed Apr. 15, 1929. Serial No. 355,818. 4 Claims. (Cl. 98—88.)



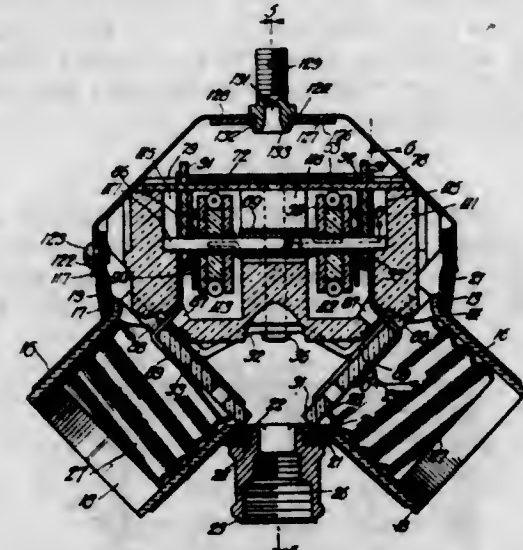
2. A ventilator device comprising a rectangular frame adapted to be reposed in the outer portion of the window casement, an awning device carried by the frame, a forwardly extending apron plate on top of the frame, and a rearwardly extended upwardly inclined resilient flashing plate secured to the top of the said frame.

1,740,955. CLOCK-BANK DEVICE. WILLIAM D. PENNINGTON and JOHN R. PENNINGTON, Chicago, Ill.; Olive B. Pennington, administratrix of said John R. Pennington, deceased, assignor, by mesne assignments, to said William D. Pennington. Filed June 27, 1925. Serial No. 30,881. 3 Claims. (Cl. 194—61.)



1. A clock bank device comprising in combination, a coin carrier, a swinging member having an abutment to be engaged by a coin in the coin carrier, a supplemental swinging member mounted on and controlled by said first mentioned member and provided with means for engaging the winding stem to prevent winding the clock, and means for engaging the winding stem to prevent the running of the clock, said last mentioned means arranged to disengage the winding stem upon the ejection of the coin from the said coin holder.

1,740,956. WIRELESS CLUSTER. PAUL D. PHILLIPS, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 4, 1926. Serial No. 126,964. 18 Claims. (Cl. 173-336.)



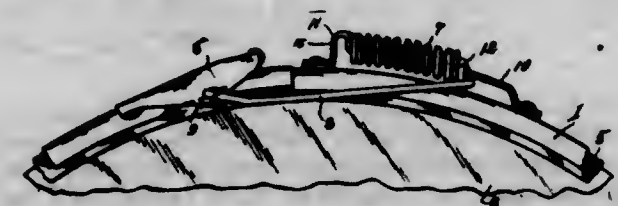
1. A pull switch cluster comprising a casing, a plurality of openings therein adapted to receive metallic sleeves, flanges on said sleeves bearing against the inner face of the casing, a strap within the casing conforming to the contour thereof and adapted to engage the flanges on said sleeves to hold them in place in said openings, and means for securing said strap to said casing.

5. A switch assembly comprising a frame having depending legs, insulating and positioning means on said frame, a shaft, a plurality of ratchet members on said shaft, means surrounding said shaft and engaging said ratchet members for normally retaining them in a fixed position, and means engaging said insulating means and said shaft for positioning said ratchet members in said frame.

7. A switch assembly comprising a frame having depending legs, insulating and positioning means on said frame, a shaft, a plurality of ratchet members on said shaft, a spiral spring surrounding said shaft and engaging said ratchet members for normally retaining them in a fixed position, and an insulating member engaging said insulating means and said shaft for positioning said ratchet members in said frame.

13. A pull chain cluster comprising a casing, a plurality of lamp receptacles thereon, a sub-assembly comprising a base, a switch mechanism for each receptacle mounted on a common shaft in said base, a spring surrounding said shaft and having its ends connected to said mechanism, said mechanism comprising an oscillatory member, a member having two arcuate arms, one of which engages the oscillatory member for being operated in a step-by-step movement, and the other of which acts as a contactor, and a contact arm adapted to be contacted by the arcuate contactor.

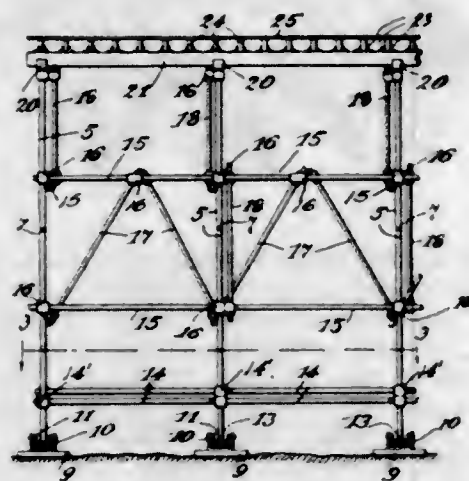
1,740,957. COVER FOR REFLECTORS. PAUL D. PHILLIPS, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1928. Serial No. 258,195. 8 Claims. (Cl. 240—103.)



1. Means for securing a cover to a shade comprising an expansible and contractible band of stiff construction embracing adjacent edges of the cover and shade, and

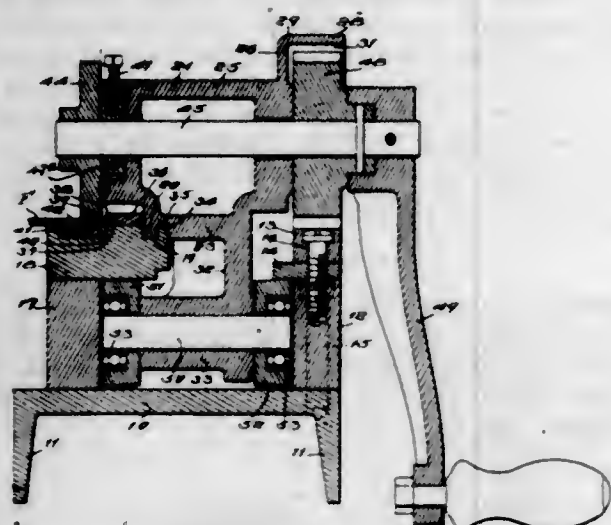
means for contracting said band about said edges comprising a lever pivotally mounted on one end of said band, a guide mounted on the other end of said band and extending circumferentially thereof, and having both ends secured to said stiff band, a coil compression spring surrounding said guide, and a link pivotally connected with said lever and connecting said lever with said spring, said lever being movable to swing the pivotal link connection past the dead-center whereby the spring will hold the band in contracted position.

1,740,958. LANDING STAGE. EUGENE PITOU, New York, N. Y., assignor to American Safety Device Co., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1928. Serial No. 248,131. 7 Claims. (Cl. 14-1.)



1. A structure of the character described including a plurality of tubular metal columns adapted to be arranged in spaced rows, means for removably supporting a platform upon the upper ends of said columns, and a base for each column comprising a U-shaped member, a cradle pivotally mounted in said member for rocking movement, and means for detachably coupling the lower end of the column with said cradle.

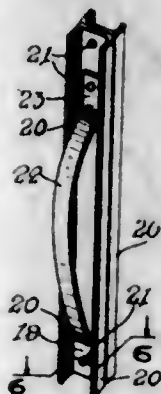
1,740,959. MACHINE FOR INSERTING BELT LACINGS. GEORGE E. PURPLE, La Grange, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 26, 1928. Serial No. 308,524. 12 Claims. (Cl. 1-49.4.)



4. In mechanism of the class described, the combination of a carriage, a frame upon which the carriage is reciprocally mounted, said frame affording a level top for the horizontal support of the fabric to be acted upon, means on said support for holding the lacings in proper relation to the edge of the fabric, a roller carried by the carriage and positioned to present its rolling edge downwardly toward the support for the fabric in spaced rela-

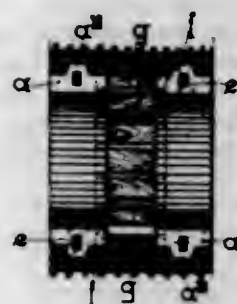
tion thereto, a rack on said support, a pinion carried by said carriage and having connection with said roller, and means for rotating said pinion to cause travel of the carriage and rotation of the roller.

1,740,960. WINDOW-SCREEN FIXTURE. ISRAEL ROBERGE, Pawtucket, R. I. Filed July 30, 1926. Serial No. 126,018. 2 Claims. (Cl. 156-14.)



2. A window screen retainer and guide consisting of a channel iron structure of I-shape in cross-sections, comprising a web and flanges, with opposing longitudinal channels, adapted respectively to embrace a window jamb, and a sliding screen.

1,740,961. CONSTRUCTION OF GALLERIES AND TUNNELS FOR MINES AND THE LIKE. HANNS SCHAEFER, Essen-on-the-Ruhr, Germany, assignor to the Firm N. V. Montania, The Hague, Netherlands. Filed Sept. 30, 1924. Serial No. 740,827, and in Germany Oct. 3, 1923. 8 Claims. (Cl. 61-45.)



1. In a tubular mine and tunnel construction and the like, a plurality of arched courses of bricks, comprising each a plurality of tapering, unconnected, contacting, unidirectionally disposed bricks of sufficient extension in the axial direction of the arches and at least equal vertical extension to cause the line of compression to extend within the brick-work itself, compressible insertion bars between certain groups of bricks and in the axial direction of the arches, and outwardly extending projecting legs on said bricks.

1,740,962. TOKEN CONTROL. EDWARD T. SCHMIDT, Blackwell, Okla. Filed Nov. 3, 1928. Serial No. 317,038. 10 Claims. (Cl. 194-77.)

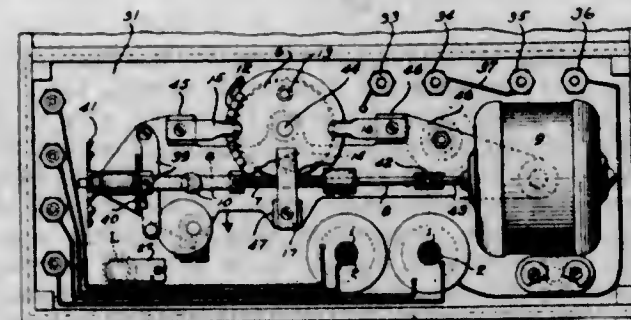
1. A token control, as for use in a vending machine, comprising: a chute positioned so that a token dropped therein will slide therealong by gravity; a lever controlling the operation of said vending machine; a slidable member slidable along said chute, and pins mounted on said slidable member and extending toward said chute from both sides thereof, and means for causing said pins to move toward a token in said chute and to engage the edges of a milled edge token therein as said slidable member is advanced for advancing such milled edge token to operate said lever, said pins sliding over the edges of

an unmilled edge token and thereby being inoperative to so advance such unmilled edge token to operate said lever; means whereby any token not so advanced to actuate said



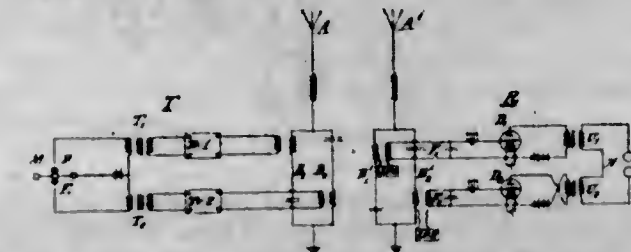
lever becomes ejected along one path; and means whereby any token so advanced to operate said lever becomes ejected along a different path.

1,740,963. ELECTROTHERAPEUTIC MACHINE. KURT STORKE, New York, N. Y. Filed July 29, 1925. Serial No. 46,801. 2 Claims. (Cl. 174-177.)



1. In combination in therapeutic apparatus a plurality of transformers each having two primary windings and a secondary winding; a source of electric energy; a rotating member; a series of make and break projections localized upon a part of the circumference of said rotating member; a plurality of contact fingers for cooperating with said rotating member and angularly positioned about the same; a plurality of relatively reversed circuits each including said source of energy, one of said contact fingers and one primary winding of each of said transformers; whereby said transformers are energized with a series of pulsations first of substantially one sign and then of substantially opposite sign, separated by a predetermined time interval.

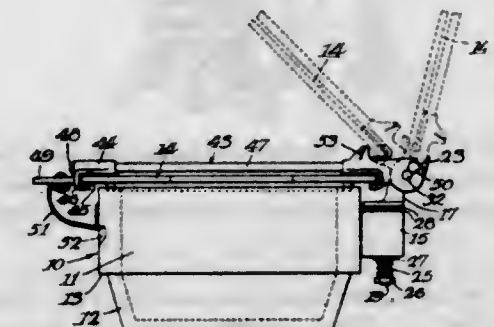
1,740,964. EXCLUSIVE RADIO TRANSMISSION AND RECEPTION. FREDERICK K. VRELAND, Montclair, N. J. Filed Sept. 13, 1922. Serial No. 587,909. 6 Claims. (Cl. 250-6.)



6. In a receiving system for radio waves of two different frequencies, collecting means, two tuned receiving circuits

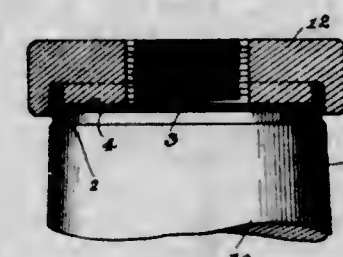
responsive respectively to the two wave frequencies, interference balancing means for neutralizing the interfering effect of each frequency on the receiving circuit of the other frequency, and means for receiving the unbalanced signal effects.

1,740,965. DISPLAY VESSEL AND HINGE THEREFOR. RICHARD P. WHITE, Chicago, Ill. Filed Apr. 20, 1928. Serial No. 271,634. 8 Claims. (Cl. 215-63.)



1. In combination, a display vessel, a closure therefor, a hinge for said closure, said hinge comprising a hinge member secured to said vessel, a cooperating hinge member on said closure, a pivotal pin and slot connection between said members, and means for holding said closure in various adjusted angular positions.

1,740,966. TAPERED PAPER CONTAINER. WILBUR L. WRIGHT, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed June 27, 1928. Serial No. 288,596. 3 Claims. (Cl. 229-5.6.)

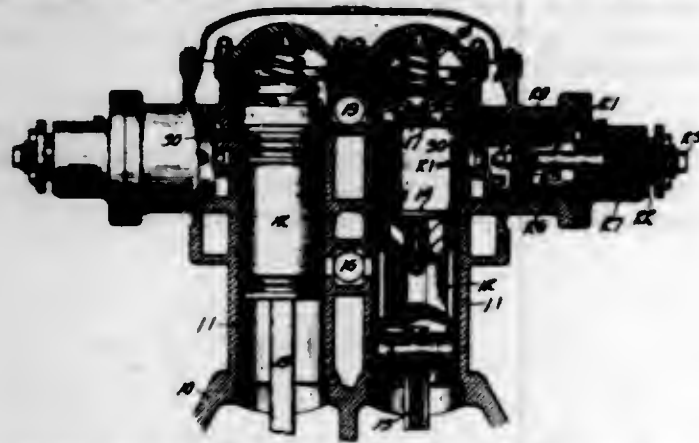


1. A container embodying a longitudinally tapered sheet paper material body at one end portion expanded to an enlarged diameter and thereby forming an annular enlarged-diameter internal ledge joining the expanded portion with the tapered portion of the body; a stiff impermeable flat-cut paper material disk driven longitudinally through said enlarged end and tightly pressed against said ledge; a flanged paper material disk driven longitudinally through said expanded body end against said first mentioned disk; and a disk locking and supporting crimp between the expanded body end and the flanged disk, whereby the smooth-cut disk is held in against the ledge and the expanded body end is drawn radially and annularly inwardly into liquid tight engagement with the peripheral portions of the two disks.

1,740,967. VARIABLE-CAPACITY-CONTROL COMPRESSOR. LEON BURHLER, Jr., Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a Corporation. Filed Mar. 28, 1928. Serial No. 285,500. 6 Claims. (Cl. 230-21.)

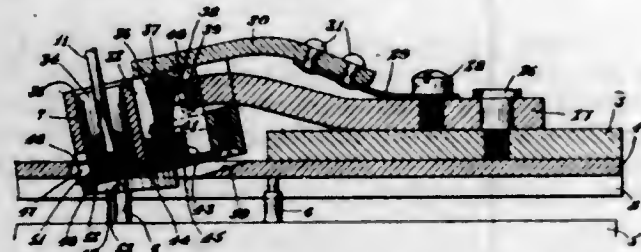
1. A compressor for fluids comprising a vertical cylinder, a discharge valve at the end of the cylinder, a piston in

said cylinder, a suction valve in the piston, a horizontal auxiliary cylinder having communication with the vertical



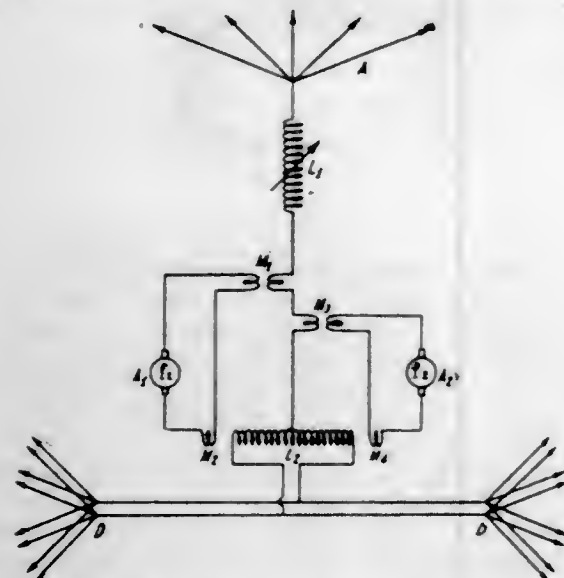
cylinder between the limits of the stroke of the piston whereby the amount of the fluid discharged from the vertical cylinder may be reduced, substantially as set forth.

1,740,968. WASHER-FEEDING MACHINE. EDWARD B. CARTER, Boston, Mass. Filed Aug. 19, 1926. Serial No. 130,120. 61 Claims. (Cl. 18-1.)



1. In a machine of the kind described, a column of articles adapted to be positioned on devices, and means automatically operable by said devices to separate the lowermost article from said column.

1,740,969. DUPLEX TRANSMISSION SYSTEM. HENRI CHIREIX, Paris, France. Filed Mar. 27, 1926, Serial No. 97,877, and in France Aug. 12, 1925. 7 Claims. (Cl. 250-9.)

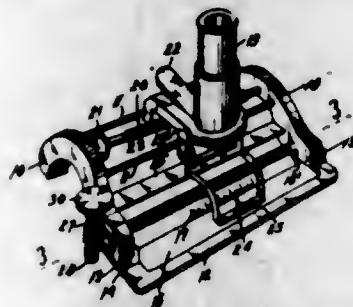


1. A duplex transmission system comprising a single transmission conductor, means connected thereto for simultaneously imparting two resonant frequencies to the system and means for supplying energy to said system at each of said frequencies.

1,740,970. THREAD-COUNTING APPARATUS. AUGUST CHRONIK and LOUIS CHRONIK, New York, N. Y. Filed July 26, 1928. Serial No. 295,454. 3 Claims. (Cl. 88-39.)

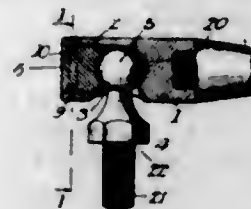
1. An instrument for counting threads of fabrics comprising a supporting frame adapted to rest flat on the

fabric and having an aperture through which the threads of the fabric may be counted, a microscope carried by said frame and adapted to move in a plane parallel to the plane of the fabric, a pointer secured to and moving with said



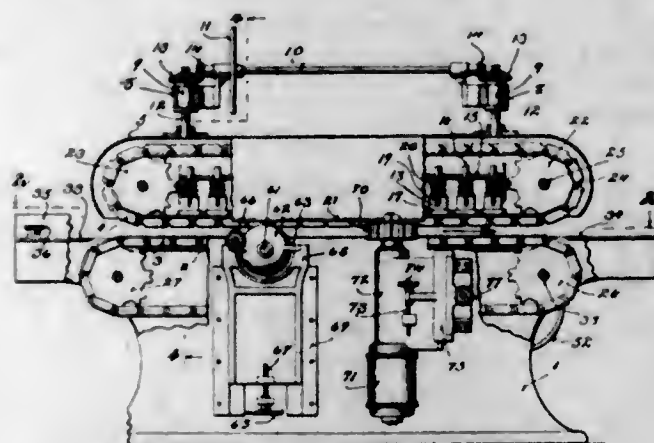
microscope, a scale for co-operating with said pointer mounted upon said frame adjoining said aperture, said scale being adapted to be shifted on said frame in the direction of its longitudinal axis, and means upon said frame for imparting longitudinal movement to said scale.

1,740,971. BALL JOINT. WEBSTER D. CORLETT, Oak Park, Ill., assignor to Standard Screw Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 19, 1924. Serial No. 707,597. 1 Claim. (Cl. 287-90.)



A ball-joint comprising a hollow cylindrical socket-member and a ball-member, said socket-member being provided with a hole in one side to receive the ball of said ball-member and an interior ball-engaging thrust-member at one side of the ball retaining the ball in said socket-member, said thrust-member having an unobstructed surface longitudinally fitted into said cylindrical socket-member to enable said member to be properly positioned against the ball, means being provided for permanently locking said thrust-member in its adjusted position against movement either inwardly or outwardly, said means consisting of an annular groove in the exterior cylindrical surface of said thrust-member and integral projections on the inner wall of said socket-member interlocked with said groove.

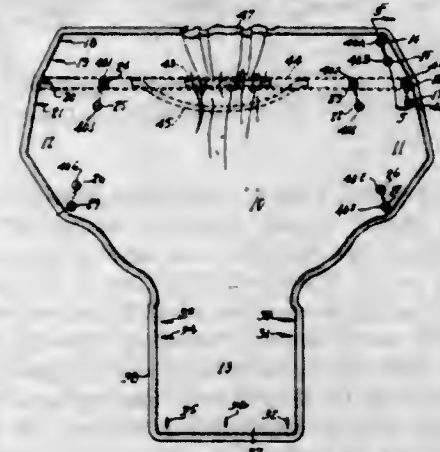
1,740,972. MACHINE FOR TRIMMING VENEER. FRANK DIEHL, Wabash, Ind. Filed Jan. 23, 1928. Serial No. 248,692. 4 Claims. (Cl. 144-90.)



1. A veneer trimming machine comprising a pair of endless chains having projecting portions forming spaced feet arranged opposite each other, said chain having straight stretches adapted to receive a stack of veneer sheets between them, a table, a guide carried by said table

adjacent one edge of said chains and against which the stack of sheets are adapted to bear, the projecting portions of the chains being more closely spaced away from said guide than on the side towards said guide, whereby said stack is caused to hug said guide, and trimming means arranged beyond said guide for trimming an edge of said stack.

1,740,973. DIAPER. JESSIE M. DIERZ, Portland, Oreg. Filed July 9, 1928. Serial No. 291,159. 1 Claim. (Cl. 128-284.)



A form fitting diaper consisting of a T-shaped member having a plurality of button holes along each side thereof and around the lowermost portion of said T-shaped member, fastening means consisting of pairs of buttons joined by means of tapes in the button holes of said side members, a reinforcing band along the waist line or top edge of said T-shaped member, an elastic band secured to said garment along said waist line, and a tape loop secured to said garment at opposite ends of said elastic band whereby a soft inner diaper may be suspended for the purpose of supporting said inner diaper and affixing said garment to the body of a child.

1,740,974. CURTAIN-SUPPORTING DRAW CORD. LUIS G. ECKEN, New York, N. Y. Filed Apr. 19, 1929. Serial No. 350,351. 5 Claims. (Cl. 156-10.)



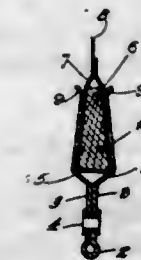
4. An article of manufacture comprising a tape, a plurality of rings stitched thereto at intervals along the tape, there being two rows of said rings lengthwise of the tape, cord securing means at one end of the tape, and a supporting ring at the other end of the tape for supporting the tape when in use.

1,740,975. SHADE-PULL CLASP. ANTHONY EIRING, Irvington, N. J. Filed Jan. 16, 1929. Serial No. 332,977. 1 Claim. (Cl. 156-40.)

A shade pull clasp formed from a sheet metal blank bent upon itself intermediate its ends to form a looped

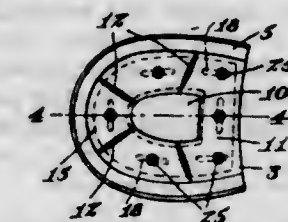
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portion adjacent which are face abutting portions carrying oppositely bowed resilient clamping jaws shaped to substantially conform to the cross section of the shade rod, a tapering tongue stamped from one of said jaws and bent intermediate its ends to form an inwardly-extended hooked end, the said tongue being bent at a point which lies substantially at the base of the tongue, said tongue normally



occupying a retracted position to withdraw the hooked end from between the jaws, whereby the clasp may be slid longitudinally of a shade rod, and said tongue being bodily movable to cause the hooked end to impale the rod to anchor the clasp in position, and a headed eyelet adapted to secure the face abutting portions together and providing an aperture for securing a cord to the clasp.

1,740,976. DETACHABLE HEEL. ALLAN C. FARRAR, Whitman, Mass. Filed Mar. 30, 1927. Serial No. 179,463. 1 Claim. (Cl. 36-36.)



An improved attachable outer heel member of elastic material having a layer of resilient material of greater strength than the outer heel, said layer of resilient material being embedded in and completely surrounded by the outer heel member, said layer of resilient material being provided with a series of recesses, positioned and adapted to interlock with heel attaching means, the heel seat containing surface of the outer heel having a central bearing portion, a rand-like rim, a depression between said central portion and rim, and strengthening ribs extending across the depression between the central bearing portion and the rand-like rim, the tread contacting surface of said heel being imperforate.

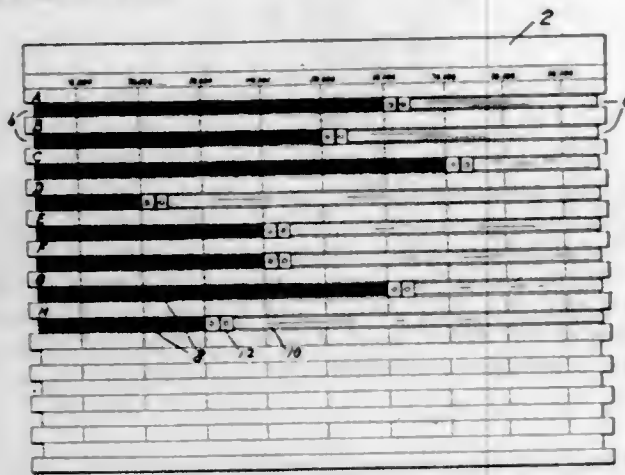
1,740,977. SWITCH MECHANISM. FRED E. FREERS, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1928. Serial No. 304,583. 10 Claims. (Cl. 200-15.)



1. In a device of the character described, a mounting panel, a stub shaft supported by said panel, a control

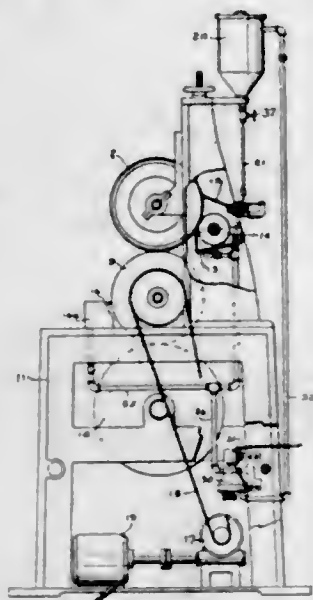
shaft, a bracket secured to said panel and provided with an orifice through which said control shaft extends, a bushing secured to said stub shaft, an orifice in said bushing adapted to receive said control shaft and means adjustably supporting said bracket for aligning the said orifices in said bracket and said bushing.

1,740,978. CHART. HENRY F. GOLDSMITH, Philadelphia, Pa. Filed Sept. 26, 1928. Serial No. 308,479. 6 Claims. (Cl. 116—135.)



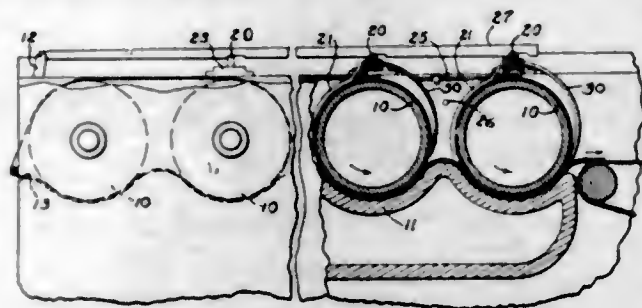
1. A chart comprising a member having a surface containing markings, an endless flexible elastic looped band extending about the member and arranged to be moved across the surface thereof, said band having indicating means adapted to be brought into predetermined relationship with said markings, and outwardly projecting means on the band adapted to be grasped by an operator to move the band.

1,740,979. METHOD FOR MIXING PIGMENTS. ALBERT R. GOLRICK, Cleveland, Ohio, assignor to The Midland Bank, trustee, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 5, 1927. Serial No. 173,146. 1 Claim. (Cl. 91—68.)



The method of applying liquid coatings to objects which it is desired to coat, which comprises applying a surplusage of the liquid coating to the object in the presence of air, retrieving said surplusage, maintaining a continuous movement of the liquid material through a conduit system which is adaptable to the application of said surplusage of liquid material to the object to be coated, and preserving a uniform consistency of the liquid at the point of coating application by introducing a percentage of solvent medium corresponding to the amount of solvent lost due to evaporation or wastage and constantly emulsifying the continuously moving coating material at a point in the conduit system intermediate the point of liquid application and the point of solvent introduction.

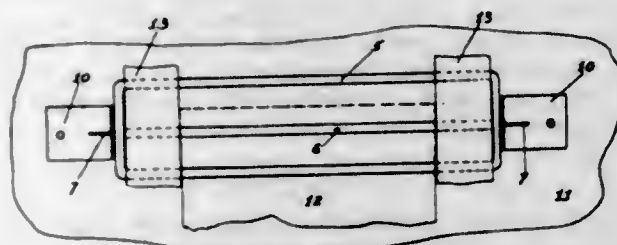
1,740,980. FLATWORK IRONER. CHARLES EDWIN HAMILTON, Los Angeles, Calif., assignor to Edwin Lane, Percy Mendelson, and Charles Mendelson, New York, N. Y. Filed July 3, 1928. Serial No. 120,275. 13 Claims. (Cl. 68—9.)



1. In a flat work ironer including ironing rolls with lapped cover cloth: guard members associated with the individual rolls at the feed side and bearing upon said cover cloths thereof over a substantial portion of the upper quadrant of a roll to retain the lap portion in position.

2. In a flat work ironer including ironing rolls with lapped cover cloth: resilient fingers distributed at the feed side of a roll along its length and bearing upon said cover cloths thereof over a substantial portion of the upper quadrant of a roll to retain the lap portion in position.

1,740,981. LABEL-PASTING DEVICE. WALTON L. HAMPTON, Louisville, Ky., and VERN A. TRACY, Salt Lake City, Utah. Filed May 12, 1928. Serial No. 277,215. 2 Claims. (Cl. 93—68.)



1. A device of the class described comprising a paste receptacle mounted for free vertical movement and arranged to rest on a pile of labels or the like, said receptacle being provided at its bottom with an open slot forming an escape for paste; and a sealing member in the form of a flexible strip laid in one end of said receptacle and conforming to the walls of the same and closing one end of said slot.

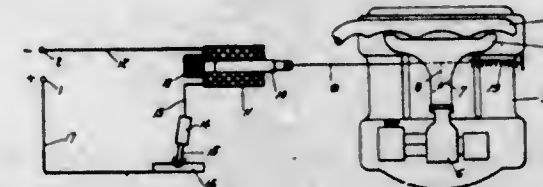
1,740,982. GUY-LINE TIGHTENER. SEYMOUR W. HILLER, Sultan, Wash., assignor of one-half to James Headrick, Sultan, Wash. Filed Sept. 17, 1928. Serial No. 306,454. 10 Claims. (Cl. 24—126.)



1. A guy line tightener, a rigid frame adapted to be secured to an anchoring device, said frame comprising a grooved saddle element and two plates extending upwardly from the sides thereof and terminating in flanges directed inwardly of the frame, a block adapted to be inserted in the frame between its side plates and having a groove

formed to provide a series of recesses to interfit with the strands of the guy-line, and a wedge arranged to be used in the frame between said flanges and the block for forcing the latter into guy-line clamping relation with respect to the frame.

1,740,983. ARC-WELDING SYSTEM. CLAUDE J. HOLSLAG, East Orange, N. J., assignor to Electric Arc Cutting and Welding Company, Newark, N. J. Filed Oct. 2, 1928. Serial No. 139,059. 2 Claims. (Cl. 219—8.)



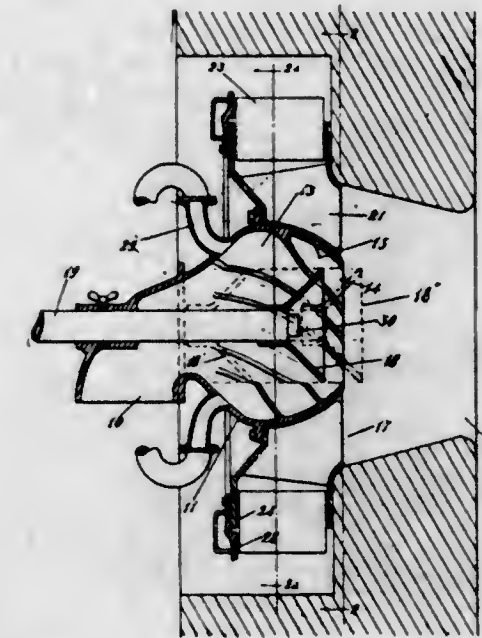
1. In an arc welding system including in combination with a movable handle adapted to be used by an operator for manual arc welding, a welding electrode carried by the handle and a source of welding current adapted to be connected to the electrode; an internal combustion engine having a throttle control for actuating said source of current, means comprising a relay having a movable part connected to said engine throttle to open the same when the operator desires to do welding by manipulation of the welding handle, and a pair of contacts actuated by the relay, said relay having a plurality of windings, one winding being relatively heavy and connected to the source of current and to the electrode to carry the arc circuit current, and another finer winding normally connected in shunt to the first mentioned winding and including said contacts in its circuit, the said windings of the relay being brought into use by the operator on manipulation of the handle preparatory to striking an arc by the electrode, said second mentioned winding being removed from circuit on separation of said contacts by actuation of the relay by its windings.

1,740,984. NECKTIE. JOHN J. HYNES, University City, Mo. Filed Aug. 26, 1927. Serial No. 215,564. 8 Claims. (Cl. 2—146.)



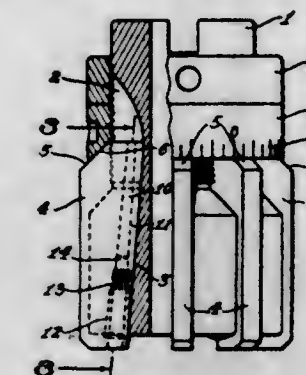
1. A neckties comprising a resilient body portion and a resilient lining therein loosely laced together by a relatively inelastic lace adapted to permit limited stretching of the body portion and lining and prevent excessive stretching thereof.

1,740,985. AIR-MIXING BURNER. DAVID J. IRISH, Staten Island, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 10, 1927. Serial No. 167,333. 10 Claims. (Cl. 110—22.)



1. In a fuel burner, a nozzle provided with vanes inwardly projecting from the inner surface of the nozzle, spirally directed in relation to the axis thereof, said vanes forming spiral passages for the fuel issuing from said nozzle, said passages having a gradually decreasing pitch as they progress towards the outlet of said nozzle.

1,740,986. EXPANSION REAMER. JAMES E. KILZER, St. Louis, Mo., assignor, by mesne assignments, to Davis Boring Tool Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 7, 1928. Serial No. 304,458. 5 Claims. (Cl. 77—75.5.)

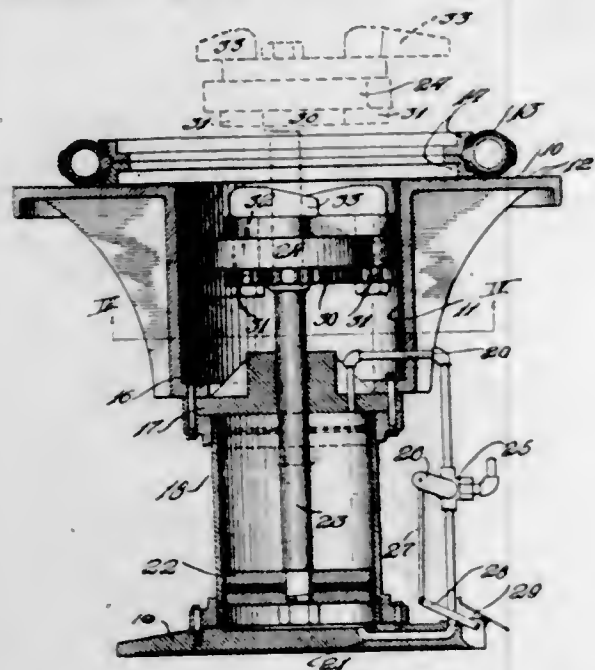


1. An expansion reamer, comprising, a head having inclined slots therealong, blades adjustable in said slots, the blade having a guide groove therealong, and a tapered pin engaging said groove to secure the blade in adjusted position, said pin having threaded engagement with said head whereby the same may be moved to clamp and release the blade.

1,740,987. RIMMING PRESS. ARNOLD R. KRAUSM, Eau Claire, Wis., assignor to Gillette Rubber Company, Eau Claire, Wis., a Corporation of Wisconsin. Filed Jan. 24, 1927. Serial No. 163,199. 1 Claim. (Cl. 18—2.)

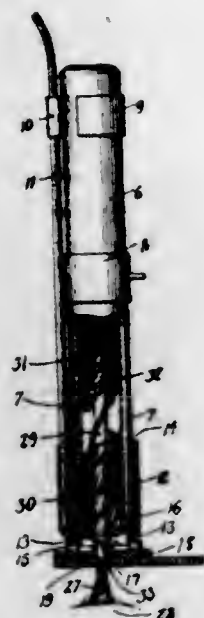
In an apparatus for engaging bead clamping rings, a table having a substantially central tube, vertically movable arms associated therewith and movable through said tube, means to move said arms above and below the plane of the top of said table, said tube being disposed between said table and said means so as to support said table on said

means, and means on the ends of the arms to engage the bead clamping rings and movable with said arms to a position below said plane of the table top so that the tire



carcass can be slid on and off the table with facility, said means comprising a plurality of hooks rotatable into and out of effective bead engaging positions.

1,740,988. ELECTRICALLY-OPERATED HAIR CURLER. JOSEPH KREMER, Long Island City, N. Y., assignor to Wappler Electric Company, Inc., a Corporation of New York. Filed Apr. 21, 1928. Serial No. 271,755. 4 Claims. (Cl. 132-36.)

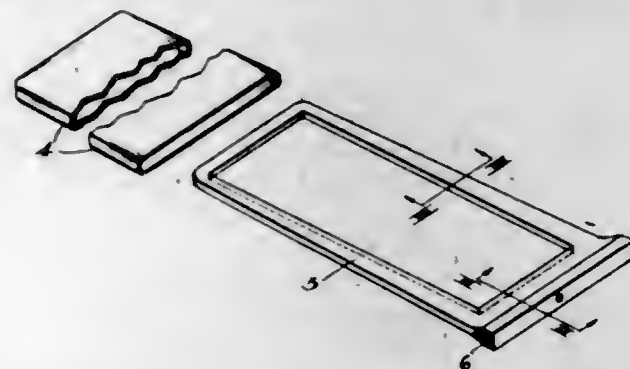


1. As an article of manufacture, a device of the character described, comprising a cap plate provided with a central opening and with a slot merging into said opening, a closure ring secured to said cap plate and provided with a slot communicating with the said first mentioned slot, and a clamping member connected with said cap plate and movable relatively thereto.

1,740,989. APPARATUS FOR MAKING COMPOSITE GLASS. WILLIAM O. LYTLE, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 6, 1928. Serial No. 252,207. 7 Claims. (Cl. 49-14.)

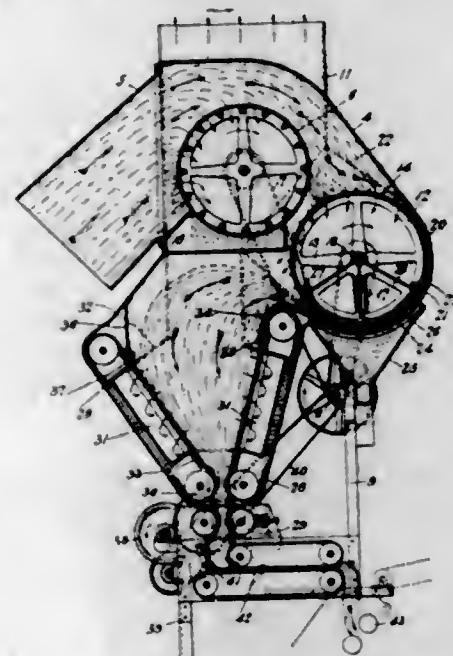
1. In combination in apparatus for use in securing together a set of sheets of similar size arranged in a pile,

comprising a frame fitting around the sheets, and approximating in thickness the thickness of said set, and a relatively flat container of soft rubber composition closed



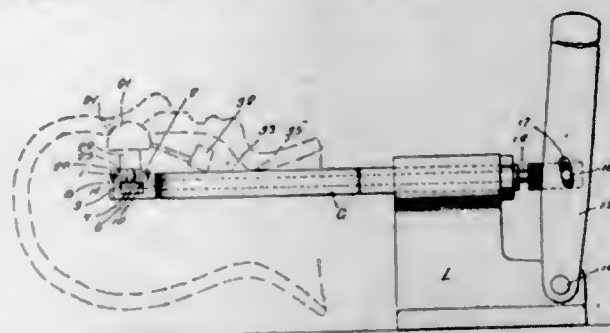
at one end and open at the other in which said frame fits with the end of the frame projecting into the open end of the container and making sealing contact therewith.

1,740,990. COTTON CONDENSER. ALEXANDER S. MACKENZIE, Houston, Tex., assignor to Clayton Gin Compress Company, Houston, Tex., a Corporation of Texas. Filed Oct. 16, 1928. Serial No. 312,907. 19 Claims. (Cl. 19-156.)



1. The method of treating cotton consisting in subjecting the same to ordinary gin air current, removing the cotton from the gin air current while removing the trash, and then returning said cotton to the gin air current.

1,740,991. TOOL FOR ATTACHING EYE SETS. SAMUEL MARCUS, Brooklyn, N. Y., assignor, by mesne assignments, to Markon Manufacturing Co. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 10, 1928. Serial No. 153,817. 15 Claims. (Cl. 29-84.)



1. In a tool for attaching an eye set within a doll head, said tool comprising means for supporting the eye

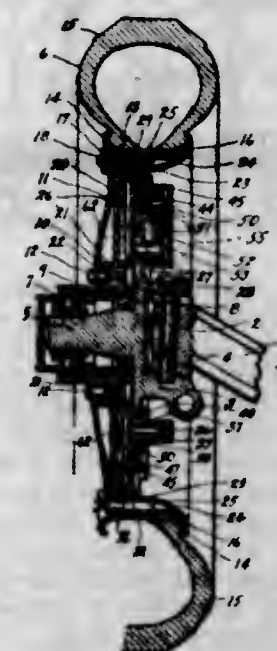
set and by which to position the eye set within the doll head, means to effect attachment of the eye set within the doll head comprising a pair of members movable in a straight line with respect to each other, and means to so move said members.

1,740,992. CHAIN ATTACHMENT. GEORGE MCCRETTON, Bridgeport, Conn., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 27, 1928. Serial No. 308,790. 7 Claims. (Cl. 59-93.)



3. An attachment for a looped chain comprising a shell having opposite holes therein of sufficient size to permit passage of the chain through the shell, and an opening connecting the holes, one hole being of a size adapted to confine within the shell a chain end beside the chain extending therethrough.

1,740,993. VEHICLE BRAKE. WILLIAM R. McDONNELL, Seattle, Wash. Filed Mar. 23, 1926. Serial No. 96,794. 2 Claims. (Cl. 188-72.)

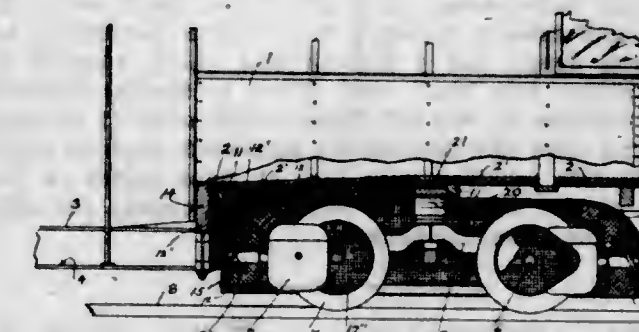


1. In a vehicle brake, a drum fixed coaxially to a wheel of the vehicle to revolve therewith, a friction disc fitted loosely within the base of the drum, a non-rotative cover for the drum supported from the wheel axle and provided with a concentric groove formed within its inner face, a ring fitted revolvably in said groove and provided with a plurality of cam surfaces, a braking disk supported from the inner face of the cover plate and provided with cam surfaces adapted to engage in opposed relation with the cams on said ring, yieldable means for normally retaining the braking disk disengaged from the friction disk, a stud fixed in said ring and extending outwardly through a slot in the cover plate, a lever pivotally attached at one end to the cover and operatively connected at its other end to the stud and manually controllable means for actuating said lever to rotate the ring to cause the braking disk to be clamped against the friction disk.

1,740,994. METHOD OF TREATING RUBBER LATEX. JOHN MCGAVACK, Jackson Heights, N. Y., assignor to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 6, 1927. Serial No. 211,264. 5 Claims. (Cl. 18-50.)

1. A method of treating rubber latex which consists in adding an alginate to divide it into a supernatant layer containing the rubber particles and a subnatant layer containing aqueous and soluble non-rubber constituents, and recovering the supernatant layer.

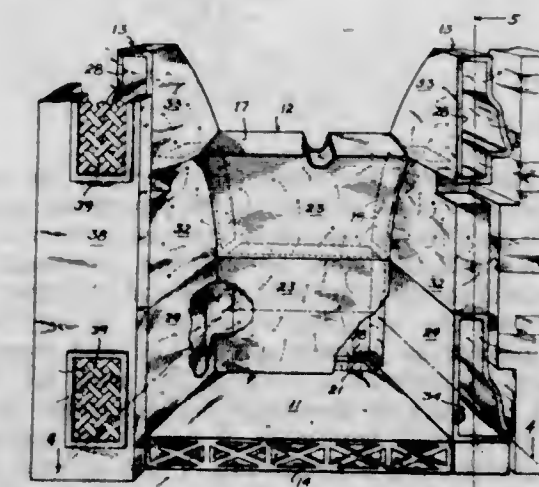
1,740,995. STREET-CAR CONSTRUCTION. WILLIAM MIDGLEY, San Francisco, Calif. Filed May 16, 1928. Serial No. 278,195. 10 Claims. (Cl. 105-452.)



1. In a street car, a lining of sound-absorbing material positioned under the car and over the trucks, and a canopy of sound-absorbing material surrounding and carried by the trucks, said canopy comprising a metal shell open at the bottom and lined on its inner surface with sound-absorbing material.

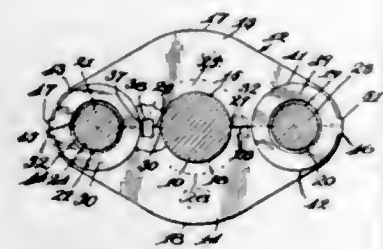
2. In a street car, a lining of sound-absorbing material positioned under the car and over the trucks, and a canopy of sound-absorbing material surrounding and carried by the trucks, said canopy comprising a metal shell open at the bottom also provided with a work opening at the top accessible through the car floor doors and the canopy lined on its inner surface with sound-absorbing material.

1,740,996. FIREPLACE. WILLIAM FLYNN MUIR, Alameda, Calif. Filed Mar. 3, 1928. Serial No. 258,846. 1 Claim. (Cl. 126-121.)



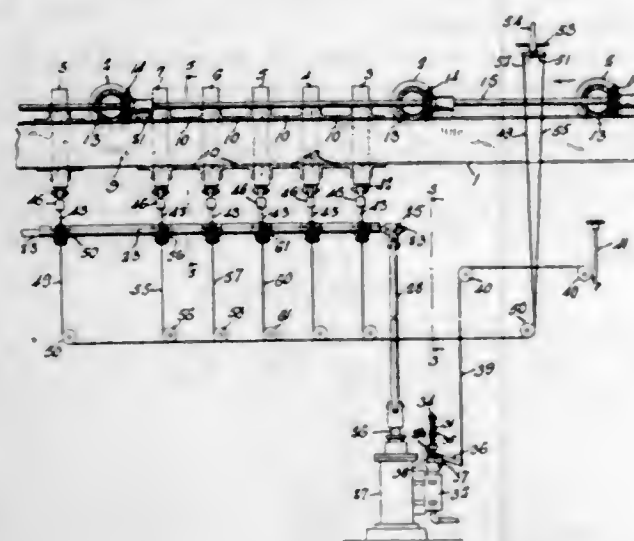
In an open front fireplace of the character described, a hollow back wall formed of upper and lower intercommunicating sections, a hollow bottom wall communicating with said hollow back wall and having inlet ports at the front edge thereof, hollow side walls formed of upper middle and lower sections and having inlet ports in said lower section and outlet ports in said upper section, baffles in said lower side section, and intercommunicating means whereby air may pass through said inlet ports and into said back lower section, then into the back upper section, then into said middle side section, then into said upper side section, and through said outlet ports.

1,740,997. STUFFING-BOX GLAND. BERNARD H. MC-GUIRE, Los Angeles, Calif. Filed Apr. 20, 1927. Serial No. 185,159. 3 Claims. (Cl. 286—33.)



3. The combination with a stuffing box, having a shaft extending therethrough, of a stuffing box gland formed in two complementary sections, each section comprising an attaching flange and a semi-circular flange adapted to bear against said shaft, said flange presenting opposed edges, recesses on said attaching flanges adapted to form apertures when said sections are assembled, washers about said recesses provided with lugs at right angles to the planes of the washers and adapted to engage the side edges of the attaching flanges.

1,740,998. LUMBER-SAWING MACHINE. GEORGE M. PELTON, Milwaukee, Wis., assignor to The Filler & Stowell Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 2, 1925. Serial No. 55. 16 Claims. (Cl. 143—168.)

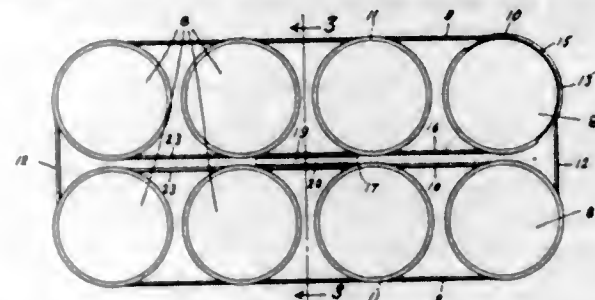


1. In a machine of the character described, the combination with the stops thereof, of an operating member common to said stops, elements supported intermediate said member and said stops for shifting movement with respect to said member and said stops and arranged upon shifting movement to operative position to provide an operating connection between any one of said stops and said member, a controlling member supported for movement in a plurality of directions and connected to said elements for causing movement of one to its respective operative position upon movement in one of said directions and for causing movement of another of said elements to its respective operative position upon movement in another of said directions.

1,740,999. MULTIPLE-PAN STRUCTURE. ALBERT PRABELL, Bellevue, Ky., assignor to Lockwood Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 13, 1928. Serial No. 305,762. 8 Claims. (Cl. 53—6.)

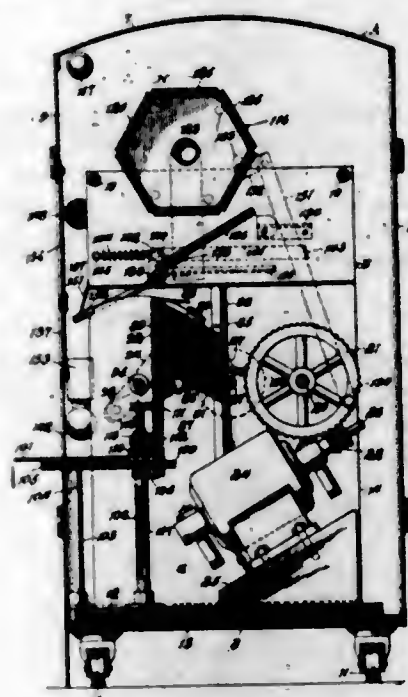
1. A plan unit structure comprising a plurality of rows of pans, means comprising straps extending along the exterior of the pans and secured thereto, a pair of straps

secured one each to the rows of pans and a metallic brace and spacer element extending across the pair of straps at the top edges thereof and extending along the remote sides



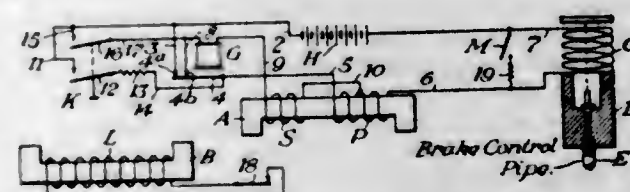
of said straps and having the ends inwardly turned and individually embracing the remaining edges and sides of the straps.

1,741,000. COIN-CONTROLLED VENDING MACHINE. FRANCIS C. ROBERTS, Los Angeles, Calif. Filed Dec. 8, 1928. Serial No. 324,603. 7 Claims. (Cl. 312—57.)



1. In an envelope vending mechanism, the combination with a container for receiving a stack of envelopes and provided with an open top, a rearwardly and downwardly extending follower disposed within the container for raising the stack of envelopes, a vertically disposed lever pivoted at one side of the container and at a point in front thereof, a finger extending laterally from the upper end of the lever and movable by the lever across the open top of the container to eject the top envelope of the stack, the finger extending in a direction parallel with the pivot of the lever, and means for oscillating said lever and for moving the follower upwardly a distance equal to the thickness of an envelope of said stack.

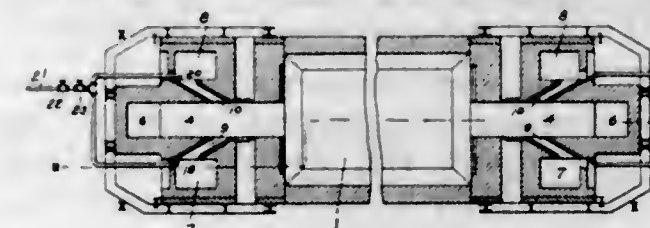
1,741,001. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. ANDREW J. SORENSON, Wilkesburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 28, 1927. Serial No. 222,520. 11 Claims. (Cl. 246—63.)



1. In a train control system of the type comprising a magnetizable receiver on the train, a primary winding and

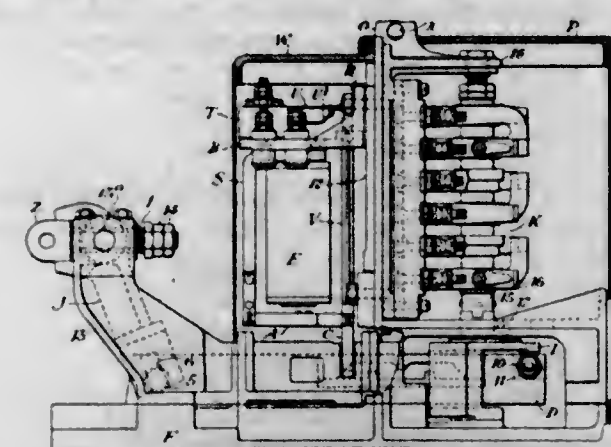
a secondary winding on said receiver, a circuit for said primary winding including a source of direct current and an impedance, a circuit for said secondary winding including a source of direct current, inductors located in the trackway for co-operation with said receiver, and train governing means controlled by said secondary circuit; the combination with the foregoing instrumentalities of a normally open shunt of relatively low impedance around said impedance in said primary circuit, for eliminating the effect of hysteresis in the core of said receiver, and manually operable means for closing said shunt.

1,741,002. METHOD OF OPERATING AN OPEN-HEARTH FURNACE. WILLIBALD TRINKS, Pittsburgh, Pa. Filed June 22, 1923. Serial No. 647,008. 2 Claims. (Cl. 263—15.)



1. In a regenerative furnace including in its structure the combination of a furnace chamber, an air passageway opening from regenerator through an air port to said furnace chamber, a duct branching from said passageway and opening through a second port to said furnace chamber, means for projecting a jet of fluid longitudinally of said duct toward said second port, and means for supplying with fuel the stream flowing through said second port, the method of operation herein described which includes the maintenance on the outgoing end of the furnace of a jet of fluid from said jet-projecting means, whereby the outgoing stream of gases is diverted from said second port to said air port.

1,741,003. ELECTRIC LOCK FOR INTERLOCKING MACHINE LEVERS. ISAIAH W. VANCEL, Wilkesburg, and WILLIAM E. SMITH, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 29, 1928. Serial No. 309,286. 2 Claims. (Cl. 246—138.)



1. An electric lock for a lever of a mechanical interlocking machine, comprising a longitudinally movable lock bar, a pin fixed in said bar, a pivotally mounted operating crank having a slot coacting with said pin to reciprocate said bar, an adjusting sleeve threaded into a hole in said crank, and a crank arm passing through a longitudinal hole in said adjusting sleeve and bolted in place therein and adapted for operative connection with the rocker of the machine lever.

1,741,004. UTILITY SHOVEL. RICHARD A. WORNSTAFF, Brighton, Iowa. Filed Dec. 3, 1928. Serial No. 828,432. 5 Claims. (Cl. 55—70.)

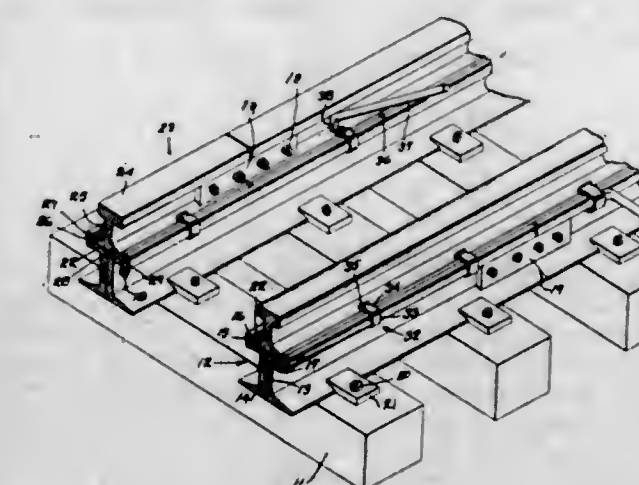
3. In a device of the character described, a handle, a sleeve having a bifurcated bearing portion fixedly secured

to said handle, a body having a longitudinally disposed shank fixed upon one portion thereof pivoted in the bifurcated bearing portion, the free portion of said shank having a fixedly arranged segment thereupon and arranged parallel to the same, one side of said segment being formed



with a ratchet face and the opposite side of said segment being formed with a series of pockets, and a locking means slidably mounted upon said handle adapted to be selectively engaged with either the ratchet face or the pockets upon said segment.

1,741,005. RAIL SUPPORT. LOUIS M. ADAMS, Los Angeles, Calif. Filed Oct. 15, 1928. Serial No. 312,603. 9 Claims. (Cl. 238—26.)

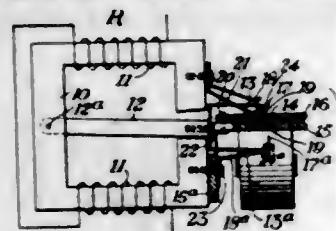


1. A railway construction comprising in combination a pair of channels having webs back to back, outwardly extending lower flanges adapted to bear on ties, and outwardly extending upper flanges, each flange having a vertical rim, the opposite rims and the upper surface of the channels forming a longitudinal rectangular recess, a rail having a lower flange with its vertical edges fitting between said rims in said recess and means to secure the rail to the upper flanges of the channels.

1,741,006. MEASURING OF TIME INTERVALS. NORMAN F. AGNEW, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 3, 1928. Serial No. 310,045. 6 Claims. (Cl. 234—36.5.)

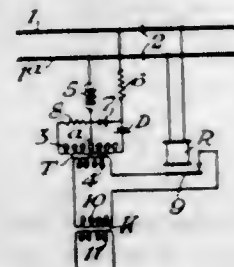
1. In combination, a relay, a manually operable switch having three contacts, a circuit for the operating wind-

ing of said relay including a source of current and the first contact of said switch, a second circuit including a source of alternating current and the second contact of said switch as well as a cycle recorder, a shunt for



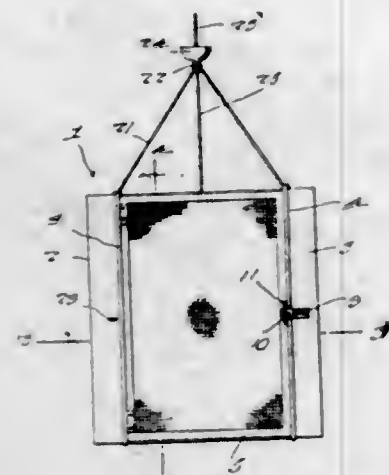
said second circuit around the cycle recorder and including the third contact of said switch and a front contact of said relay, and another shunt for said second circuit around the second contact of said switch and including another front contact of said relay.

1,741,007. ELECTRICAL APPARATUS. DAVID C. BETTISON, Omaha, Nebr. Filed July 22, 1927. Serial No. 207,610. 7 Claims. (Cl. 246-41.)



2. In combination with a load, a source of alternating current, a battery connected in series with the load and the source, and an asymmetric unit connected across said battery and said source.

1,741,008. PROVISION CABINET. RUSSELL L. BOURKE and ALEXANDER C. ANDERSON, Petaluma, Calif. Filed Apr. 28, 1928. Serial No. 273,627. 2 Claims. (Cl. 45-102.)

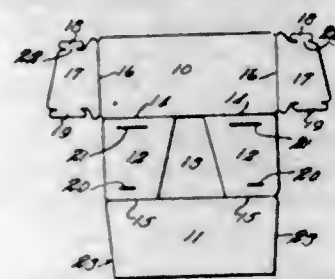


1. In a folding provision cabinet of the class described, a pair of spaced complementary units, front and rear door sections arranged between the spaced units and adapted for inward and outward swinging movement with respect thereto, sectional top and bottom members hingedly secured at their outer edges to the tops and bottoms of the respective units, the inner opposed edges of the sections of each of the top and bottom members being hingedly secured together to permit inward folding of said sectional top and bottom members, suspension means for the cabinet, and shelves removably arranged in said cabinet.

1,741,009. BILL FOLD. WARNER R. BEXTON, Longmeadow, Mass. Filed Mar. 26, 1926, Serial No. 97,636. Renewed Sept. 27, 1929. 16 Claims. (Cl. 150-38.)

1. A bill fold, having flexible outer-wall forming means and flexible inner-wall forming means, the walls thus formed

being substantially rectangular and affording between them a bill receiving compartment, flexible means connecting one side edge of the first named means to the op-



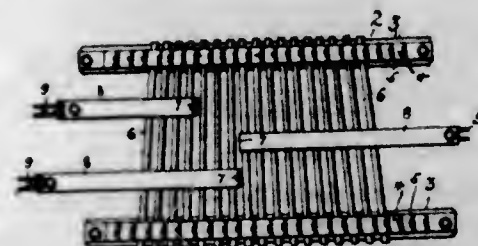
posite and non-adjacent side edge of the second named means and closing a portion of the bottom of said compartment, and flexible means connecting the first and third named means and closing the ends of said compartment.

1,741,010. LUMBER-STABILIZING DEVICE. LUIS CAPPELLETTI, Omaha, Nebr. Filed Feb. 8, 1928. Serial No. 252,781. 2 Claims. (Cl. 144-307.)



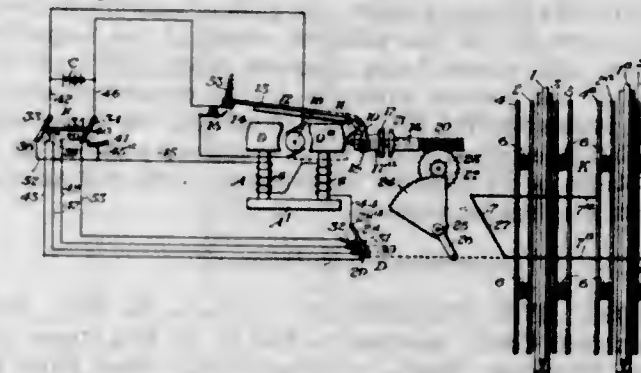
1. A device of the kind described comprising a plate having an abutment at one end for the lumber and having spaced openings at its other end, a pair of plates disposed one above the other, one of said plates having lugs enveloping the other plate, blocks at the ends of the plates for separating the same and providing an intermediate space between the plates opening through the sides of the casing, means for holding the plates and blocks together, pins carried by the casing for extending into the openings in said first mentioned plate, a bar having inclined teeth upon both edges slidably mounted between said plates of the casing and projecting at both ends thereof, one end of said bar having an upwardly offset pointed portion for engaging the lumber, an upstanding handle at the other end of the bar, a pair of pivoted pawls mounted at opposite sides of the bar in the intermediate spaces between the casing plates, yieldable means for urging the pawls into engagement with the teeth of the bar, and upstanding operating portions for the pawls extending above the upper plate of the casing.

1,741,011. SPLINT. CLARENCE CARVILL, Clinton, Mass. Filed Nov. 5, 1926. Serial No. 146,371. 2 Claims. (Cl. 123-87.)



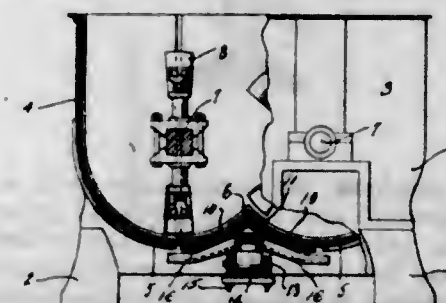
1. A splint comprising spaced elongated belt-like elements, each of said elements being provided therealong with a series of tubular members, rods for connecting said elements, each of said rods having one end portion selectively insertible within a tubular member of one element and its opposite end portion selectively insertible within a tubular member of a second element, and a series of elongated retaining bands, each of said bands being secured at one end portion to a rod for sliding movement along said rod, the opposite end portion of said band being provided with means adapted for securement to a selected rod.

1,741,012. RAILWAY BRAKING APPARATUS. JOHN P. COLEMAN, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 21, 1925. Serial No. 61,584. 7 Claims. (Cl. 188-62.)



1. A car retarder comprising, braking mechanism, an electric motor for operating said mechanism and having a field winding and an armature, manually operable means for at times supplying current to said field winding, and means responsive to current in said field winding for automatically supplying current to said armature.

1,741,013. MIXER FOR ROAD MATERIALS. FREDERICK H. CUMMER, Los Angeles, Calif. Filed Aug. 6, 1928. Serial No. 297,599. 2 Claims. (Cl. 83-73.)



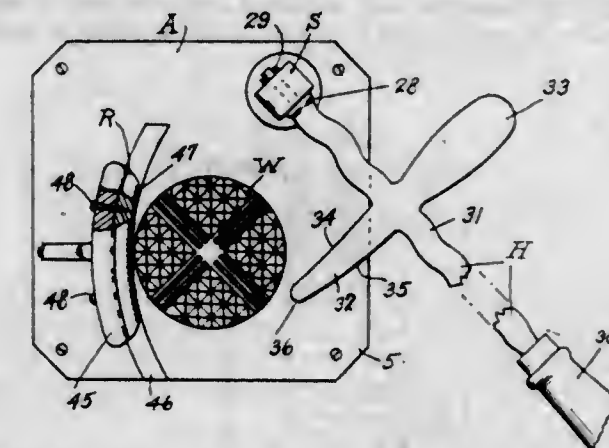
1. A mixer for road materials, comprising a receptacle provided with a bottom discharge opening, a carrier movable back and forth beneath the receptacle bottom and having an open rectangular frame surrounding said opening in open valve position and end bars connected to said frame and guided to travel along the receptacle, and a valve member carried by one of said bars and movable with the carrier to a position closing said opening.

1,741,014. BABY CONVEYANCE. ALEXANDER F. DEBELACK, Sheboygan, Wis. Filed July 2, 1928. Serial No. 289,990. 6 Claims. (Cl. 280-31.)



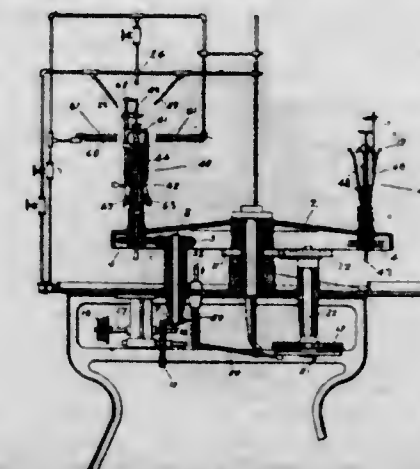
6. A baby conveyance comprising a wheeled frame embodying front and rear laterally spaced standards and basket-supporting bars extending between the upper portions of said standards, a baby basket resting removably on said bars, and transverse rockers secured in fixed invariable positions to the bottom of said basket, said rockers engaging said bars to hold the basket against longitudinal sliding on said frame.

1,741,015. OYSTER OPENER. EMIL DELODGE, New York, N. Y. Filed Feb. 7, 1929. Serial No. 838,220. 3 Claims. (Cl. 17-9.)



3. In combination, a substantially flat apertured base, a stool detachably mounted in the apertures of the base, an upstanding abutment secured to said base adjacent a portion of the edge of the stool, and a combined knife and spoon member universally coupled to the base and adapted for cooperation with an oyster supported on the stool and abutment member.

1,741,016. STEM-MAKING MACHINE FOR RADIO-TUBES AND THE LIKE. CHARLES EISLER, Newark, N. J., assignor to Eisler Electric Corporation, a Corporation of Delaware. Filed Apr. 25, 1925. Serial No. 25,746. 3 Claims. (Cl. 49-2.)

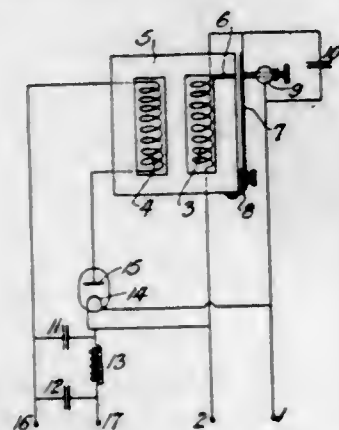


1. In a stem making machine an intermittently rotatable frame, a rotatable spindle carried thereby, said spindle including stem tube and leading in wire supports, and a support adapted to suspend an exhaust tube within the stem tube with the end thereof in engagement with the wall of the stem tube, means for intermittently moving said frame to different positions and rotating said spindle in said positions, means for heating and forming a seal between one end of the stem tube and the leading in wires including a heating device disposed at one position of the frame, means also at said position and having a different elevation from the first mentioned device for simultaneously heating a portion of the stem tube in the vicinity of the end of the exhaust tube and butt welding the latter to the stem tube at one of said positions, and means for directing a cooling blast of air within the flared end of the stem while welding the exhaust tube and stem tube together and forming an opening in the stem tube at the point of juncture.

1,741,017. POTENTIAL SUPPLY MEANS. BERT DAVID FIELD, London, and THEODORE CECIL STANBROOK, Ilford, England, assignors to Stanfield Radio Company, Limited, London, England. Filed Jan. 10, 1929. Serial No. 331,416, and in Great Britain Dec. 23, 1927. 2 Claims. (Cl. 250-27.)

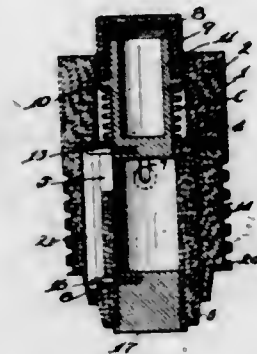
1. In combination, a transformer having a primary and a secondary winding, said primary winding carried by a

core section provided with a narrow transverse air gap, a vibratory interrupter having its contacts in series with said primary winding and having its operating armature located in the leakage field adjacent said air gap, a rectifying valve in series with said secondary winding, a source



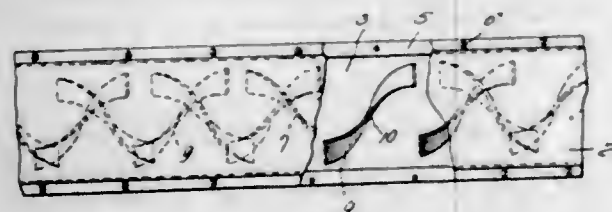
of low potential direct current for supplying said primary winding and for heating the cathode of said valve and a smoothing device in the circuit of the secondary winding comprising an inductance in series with said secondary winding and a capacity in shunt across the external load circuit.

1,741,018. REGISTERING RENEWABLE PLUG FUSES. JAMES P. GILLIAM, Los Angeles, Calif. Filed Nov. 22, 1926. Serial No. 149,929. 5 Claims. (Cl. 200—121.)



1. An electric fuse comprising a hollow cylindrical body portion having an internal annular shoulder and a plurality of longitudinal apertures in the wall thereof, a slidable button of conductive material in one end of said body portion having an annular flange thereon, a coil spring disposed between said flange and shoulder, studs on said button extending through said apertures, a plug of conductive material in the other end of said body portion having a stud extending through another of said apertures, one of said first mentioned and said last mentioned studs forming in combination a hanger for a fuse element.

1,741,019. ROTARY CONVEYER. EARL P. HARRINGTON, Youngstown, Ohio. Filed Apr. 20, 1928. Serial No. 271,526. 1 Claim. (Cl. 198—215.)



In a conveyer, an elongated sectional casing including a pair of semi-cylindrical sections secured together at their adjacent edges, a series of impeller blades arranged on the

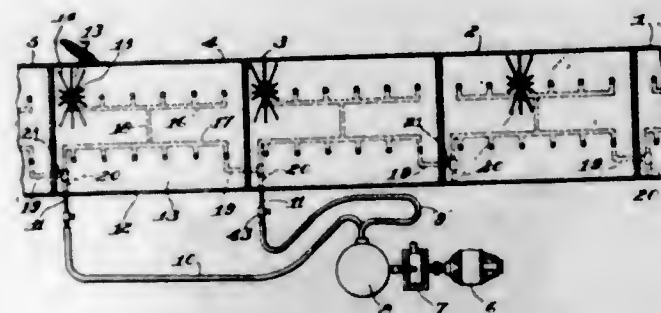
inner face of one section in spaced relation with respect to each other, and an additional series of impeller blades arranged on the inner face of the other sections directly opposite the respective blades of the first mentioned section, each of said blades being of arcuate shape and twisted at its central portion, the ends of each blade terminating inwardly of the adjacent edges of the respective sections, said blades being disposed diagonally with the blades of one section arranged in the opposite direction to the blades carried by the other section, the inner edge of each blade being formed with a cut-out portion, all of said blades being adapted to cooperate with one another to form a spiral conveyer.

1,741,020. TOY TELEPHONE. NORMAN N. HILL, East Hampton, Conn., assignor to The N. N. Hill Brass Co., East Hampton, Conn., a Corporation. Filed June 12, 1929. Serial No. 370,299. 1 Claim. (Cl. 46—46.)



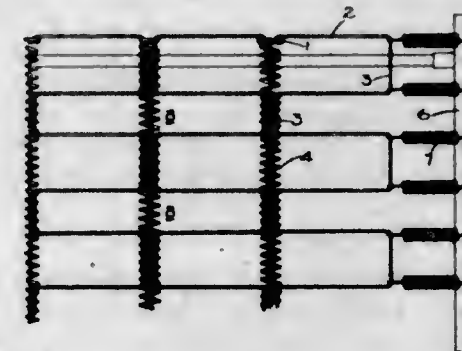
In a toy telephone, the combination with a standard thereof, a segmental rack rigidly connected thereto, a bell-back pivotally connected with said rack, a receiver-hook fixed to the rear face of said back, whereby the same may be moved with relation to said rack and a gong connected with said back.

1,741,021. GLASS-SURFACING APPARATUS. HALBERT K. HIRCHCOCK, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Apr. 22, 1925. Serial No. 25,007. 6 Claims. (Cl. 51—235.)



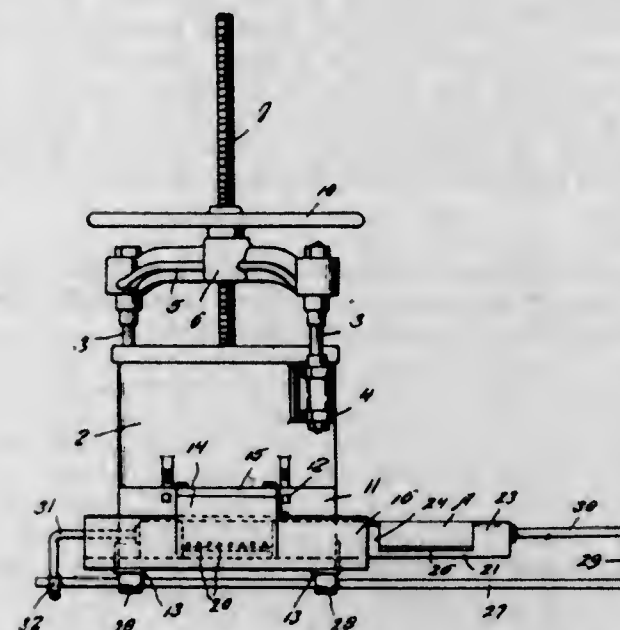
1. The combination with a plurality of surfacing cars or tables mounted for movement along a track and each having a glass supporting surface, of an exhaust system for each table comprising communications leading down from the surface of the table and connections therefrom extending to each end of the table, coupling devices at each end of each table arranged to couple the ends of the connections at the opposing ends of the cars together in communicating relation when the tables are brought into abutting relation, check valves at the ends of said connections adapted to close when the abutting ends of the tables are separated, an air exhausting apparatus arranged adjacent the track and means whereby said exhausting apparatus may be connected to the exhaust system of each table in turn.

1,741,022. BEDSPRING FABRIC. RALPH B. HOSNER, San Francisco, Calif. Filed Mar. 2, 1926. Serial No. 91,663. 1 Claim. (Cl. 245—5.)



A bed-spring fabric comprising a plurality of zigzag units having longitudinal and transverse portions and extending transversely of the fabric, and coils extending transversely of the fabric and interwoven about the transverse portions of adjacent units.

1,741,023. KAMABOKO-MOLDING MACHINE. CHIYO-KICHI KAJIWARA, Honolulu, Territory of Hawaii. Filed Apr. 2, 1928. Serial No. 266,882. 4 Claims. (Cl. 107—8.)

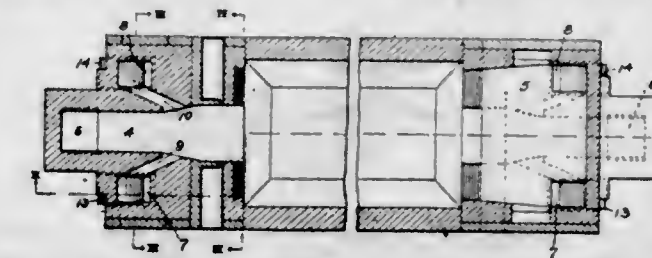


1. In a molding machine, an elongated chamber open at its respective ends, and provided with a material receiving mouth in the intermediate portion thereof, a carriage adapted for reciprocatory movement within the chamber, said carriage including a base, end blocks arranged on the upper face of the base, a central block on the upper face of the base, said blocks cooperating to form a pair of spaced material receiving compartments, one of said compartments being disposed entirely exterior of the chamber when the other compartment is in registration with the material receiving opening formed in the intermediate portion of the chamber, a material supply receptacle provided with an outlet, a housing for feeding the extruded material from the receptacle to the mouth, a kneading unit within the housing through which the material is forced before entering the mouth in the chamber, and means for actuating the slidable carriage from either end of the chamber.

1,741,024. OPEN-HEARTH FURNACE. ROBERT B. KERNOHAN and JAMES S. LOCHHEAD, Pittsburgh, Pa. Filed Oct. 29, 1920. Serial No. 420,877. 8 Claims. (Cl. 263—15.)

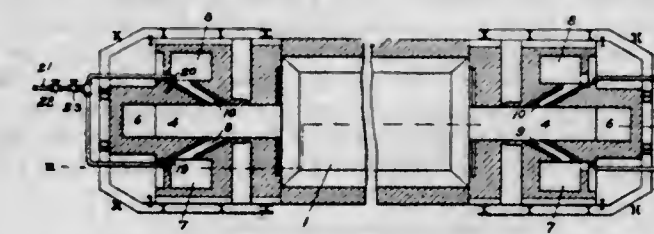
1. In a regenerative furnace, a central port leading to the furnace, means for forcing regenerated air through

said port, a slag pocket communicating with said port, a second slag pocket beyond said first mentioned slag pocket, a passage for fuel connecting said second slag



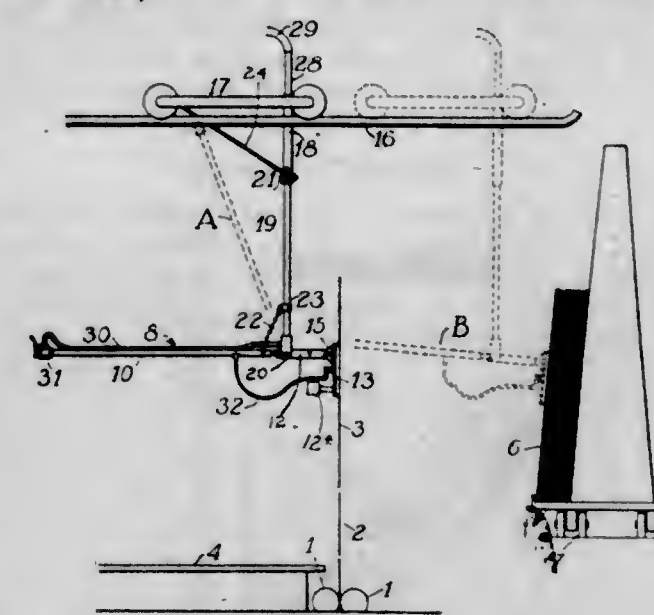
pocket and said port, an auxiliary flue connecting the first mentioned slag pocket with the furnace and acting as an out flue on the out-end of the furnace and means for closing said auxiliary flue on the in-end of the furnace.

1,741,025. OPEN-HEARTH-FURNACE STRUCTURE AND METHOD OF OPERATION. ROBERT B. KERNOHAN, JAMES S. LOCHHEAD, and WILLIBALD TRINKE, Pittsburgh, Pa. Filed Oct. 1, 1921. Serial No. 504,640. 7 Claims. (Cl. 263—15.)



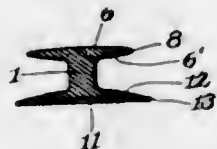
1. In a regenerative furnace the combination of a furnace chamber, a tunnel-shaped gas port arranged on the medial line of the furnace and opening to the furnace chamber, an air port overarched said gas port, uptake passageways from the air regenerator arranged on either side of the gas port and opening to the air port, a duct leading from each of said passageways to said gas port, a fluid conduit terminating in a nozzle extending into each of said ducts, and means for controlling the flow of fluid through said conduits.

1,741,026. APPARATUS FOR HANDLING GLASS SHEETS. WALTER G. KOUPAL, Tarentum, and JOSEPH H. REDSHAW, Homestead, Pa., assignors to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 30, 1926. Serial No. 151,709. 2 Claims. (Cl. 212—189.)



2. Apparatus for handling glass sheets comprising a movable supporting means, a laterally extending vacuum frame pivotally supported thereon, a suction cup pivoted to the end of said frame for engaging the face of a vertical glass sheet, and means for holding the cup yieldingly with its face in substantially a vertical plane.

1,741,027. COLLAR BUTTON. THOMAS F. KING, New Orleans, La. Filed Mar. 8, 1929. Serial No. 345,431. 1 Claim. (Cl. 24-101.)

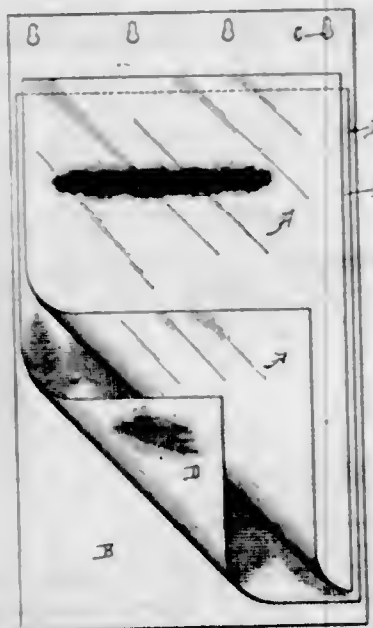


A collar button comprising, a top flange for insertion between the button holes of a neck band and collar band, a bottom flange for insertion between the folds of a neck band, and a cylindrical shank of uniform diameter connecting said flanges in opposing relation, the lower face of the top flange being upwardly inclined from the shank to the peripheral edge of the flange, the upper face of the bottom flange being downwardly inclined from the shank to the peripheral edge of the flange, said top flange having a convex upper face, said bottom flange having a concave lower face, each of said convex and concave faces being of substantially the same arc as the arc of a tie when the latter is in position on the neck of a wearer, said bottom flange having a substantially knife-like peripheral edge to prevent outward pressure on the outer fold of the neck band, said top flange having a substantially knife-like peripheral edge to provide for the ready insertion of such flange through the buttonholes of the neck band and collar band and to extend substantially in continuation of the outer face of the collar band to provide a smooth seat for a tie.

1,741,028. FLOTATION PROCESS. HENRY T. KOENIG, OSCAR A. FISCHER, EARL F. HAFNEY, and AUDIS B. CLAMPITT, Denver, Colo., assignors to R. H. Channing, Jr., agent, San Francisco, Calif. Filed Sept. 21, 1927. Serial No. 221,136. 2 Claims. (Cl. 209-166.)

1. In a process of froth flotation of pulp using the known froth flotation reagents, the step of controlling the activity of the froth flotation reagents and controlling the flotation of micaceous matter which consists in adding controlled quantities of a reagent containing a gummy adhesive to the circuit, and subsequently adding further quantities of known froth flotation reagents to the circuit.

1,741,029. STENCIL SHEET AND BACKING. WILLIAM H. KURTH, Chicago, Ill., assignor to The Heyer Dupli-cator Co. Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 29, 1927. Serial No. 216,077. 1 Claim. (Cl. 41-3.5.)



A stencil comprising a stencil sheet composed of untinted tissue paper having applied thereto an untinted stencil

coating adapted to render the sheet transparent, said coating being adapted when stencilled to have its coating rendered opaque by the impact to display the impacted portion of the coating as an opaque white stencil impression in conjunction with a relatively firm mounting sheet to which the stencil sheet is secured, and an interposed relatively soft impression sheet of darkly colored tissue paper adapted to show through the unstencilled portions of the stencil sheet and invisible through the stencilled portions thereof to furnish a dark ground color for the display of white stencilled impressions, substantially as described.

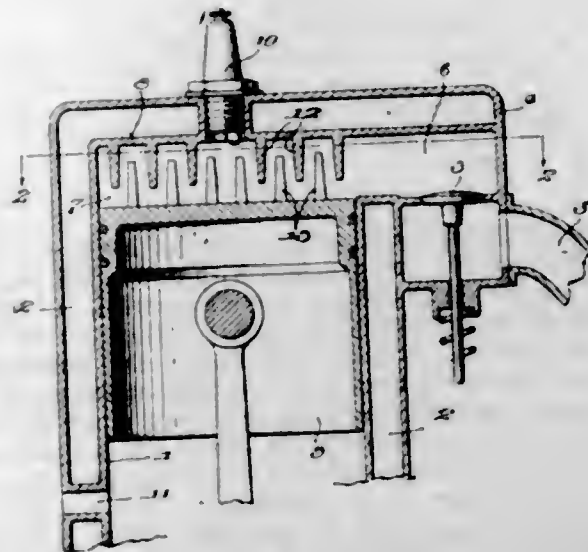
1,741,030. FLOTATION PROCESS. SHERWIN P. LOWE and HENRY T. KOENIG, Denver, Colo., assignors to R. H. Channing, Jr., agent, San Francisco, Calif. Filed Jan. 19, 1927. Serial No. 162,203. 5 Claims. (Cl. 209-166.)

1. A process of concentrating ores by flotation, comprising the steps of adding a froth accelerating-alkaloid comprising cinchonine sulphate to the pulp to improve the results of the operation, and subjecting the so treated pulp to froth flotation.

1,741,031. WELDING FLUX. WILBER B. MILLER, Flushing, N. Y., assignor to Oxweld Acetylene Company, a Corporation of West Virginia. Filed Jan. 27, 1926. Serial No. 84,242. 3 Claims. (Cl. 219-8.)

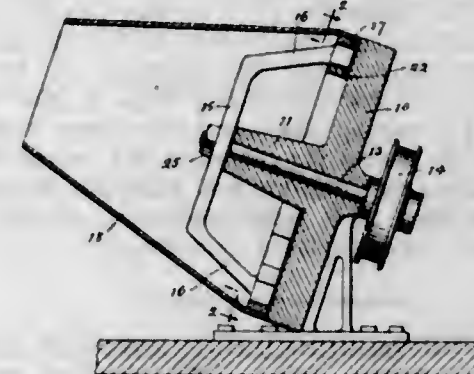
1. A welding flux in which, when proximately analyzed according to the following scheme, (a) B_2O_3 ; (b) SiO_2 ; (c) oxides of alkali and alkaline-earth metals; (d) undetermined; (e) volatile below welding temperatures; item (a) represents 20% to 65% of the aggregate items (a), (b), and (c); item (b) represents 5% to 50% of said aggregate; item (c) represents 15% to 30% of said aggregate; and said aggregate is large as compared with item (d).

1,741,032. INTERNAL-COMBUSTION ENGINE. CLARKE C. MINTER, Bloomfield, N. J. Filed June 8, 1925. Serial No. 35,704. 7 Claims. (Cl. 123-191.)



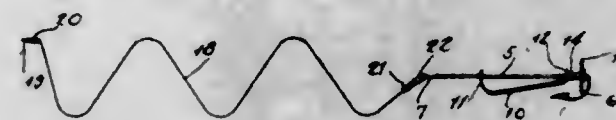
1. In an internal combustion engine employing a charge of gasoline and air, in combination with the combustion chamber thereof, surface-contact means for accelerating the combustion reactions in the gaseous phase in the charge, said means comprising a plurality of metallic elements rigidly mounted within said combustion chamber and so distributed through the clearance space of said combustion chamber as to present a substantially even distribution or spacing of separate metallic elements throughout said clearance space in any plane transverse to the axis of the chamber.

1,741,033. FEED MECHANISM. GEORGE H. NEIDLINGER, Bloomfield, N. J., assignor to Peerless Tube Company, Bloomfield, N. J., a Corporation of New Jersey. Filed July 27, 1926. Serial No. 125,319. 3 Claims. (Cl. 78-99.)



1. A mechanism for feeding slugs or disks to a delivering chute, comprising an inclined hopper adapted to receive a supply of said disks or slugs, the hopper including a substantially frusto-conical rotatable body, a stationary base disposed over and constituting a bottom wall for the lower enlarged end of the hopper, said base having a delivery passage extending therethrough communicating with the delivering chute, an annulus arranged within and connected to the lower end of the hopper body for rotation therewith, said annulus being disposed in closely spaced parallel relation to the inner and upper face of the base and having circumferentially spaced substantially semi-circular feeding notches in its inner periphery, an axial bearing boss extending inwardly from the base, a spindle extending through the base and bearing boss, having detachable means of connection at its inner end with the annulus and hopper body and adapted to be driven at its outer end for rotating the hopper body and annulus, a feed trough provided on the inner upper face of the base communicating at its lower end with the delivery passage and having an upper open receiving end disposed within the inner periphery of the annulus, and guard means extending from the trough around the inner periphery of the annulus to a point below the axial center whereby the slugs picked up by the feed notches are maintained within the same by said guard means until they are gravitationally discharged therefrom into the upper open end of the trough for gravitational feeding there-through and through the delivery passage to the chute.

1,741,034. FISHING TACKLE. DUDLEY NEWTON and FRANK A. HOLDENER, Sacramento, Calif. Filed Feb. 15, 1928. Serial No. 254,481. 3 Claims. (Cl. 43-27.)

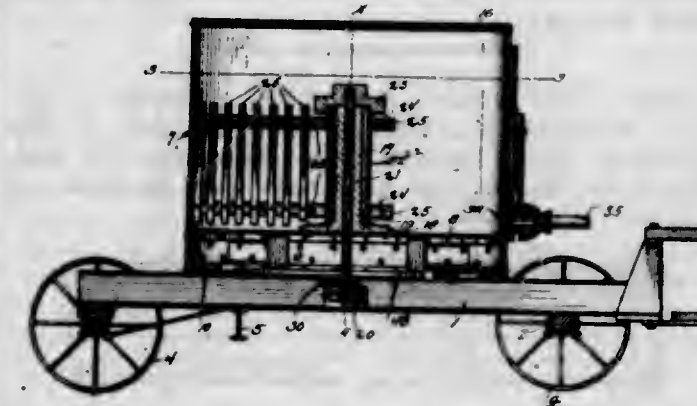


1. In combination, a fish hook embodying a shank having a hook member at one end, and a suction plate on the hook end of said shank.

1,741,035. MACHINE FOR MIXING ROAD MATERIAL. JOHN W. OSBORNE, Alsey, Ill. Filed Feb. 1, 1927. Serial No. 165,138. 1 Claim. (Cl. 259-108.)

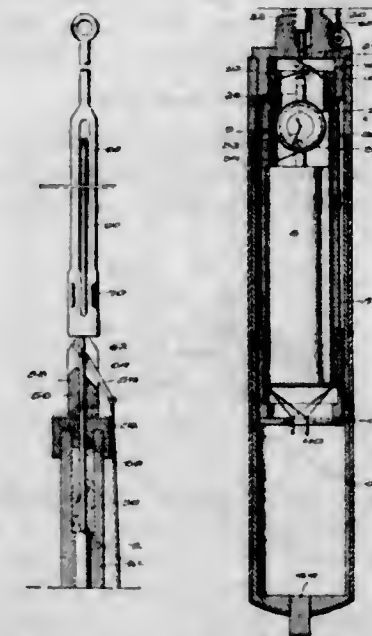
In a road carpeting machine, a material carrying tank, a standard mounted in the tank, a shaft extending through the standard and through the bottom of the tank, a base for the standard having an annular recess in its upper face, a sleeve surrounding the standard and having its lower end positioned in said recess, a cap overlying the upper ends of the standard and sleeve and secured to the sleeve and shaft, an upper pair and a lower pair of arms ex-

tending horizontally from the sleeve, the inner end portions of each pair of arms being arranged in contact with diametrically opposite sides of the sleeve, bolts pass-



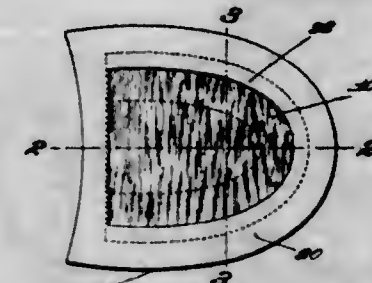
ing through the arms of each pair in close proximity to the sleeve to secure the arms to the sleeve, vertical slats secured to the arms, and driving means connected to the shaft.

1,741,036. BOMB AND SETTING MEANS THEREFOR. ALBERT A. POTTER, Okmulgee, Okla. Filed Jan. 30, 1928. Serial No. 250,588. 18 Claims. (Cl. 102-4.)



12. In a structure of the character specified, the combination of a bomb having an actuating plunger, a set of jaws associated with said plunger, an attaching link detachably connecting the jaws to said plunger, and means supporting the plunger for endwise movement.

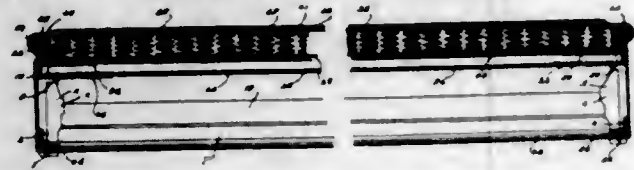
1,741,037. HEEL LIFT FOR BOOTS OR SHOES. CLIFFORD ROBERTS, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 27, 1927. Serial No. 186,876. 8 Claims. (Cl. 36-35.)



1. A half heel for boots or shoes comprising a body portion of resilient, vulcanized material capable of being distorted to a substantially flat form in attaching to a heel base, and an embedded and non-deformable core of

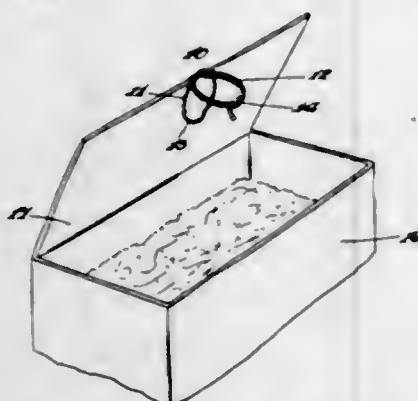
nail-penetrable material having a flat attaching face adapted to abut directly against the heel base and form the attaching face of the heel and a substantially convex under face terminating in a reduced edge at the sides and rear of the core.

1,741,038. BOX-SPRING MATTRESS. SAMUEL L. RUBIN, Winnipeg, Manitoba, Canada, assignor to Ida Wilensky, Devils Lake, N. Dak. Filed Feb. 24, 1926, Serial No. 90,230, and in Canada Jan. 26, 1926. 2 Claims. (Cl. 5-351.)



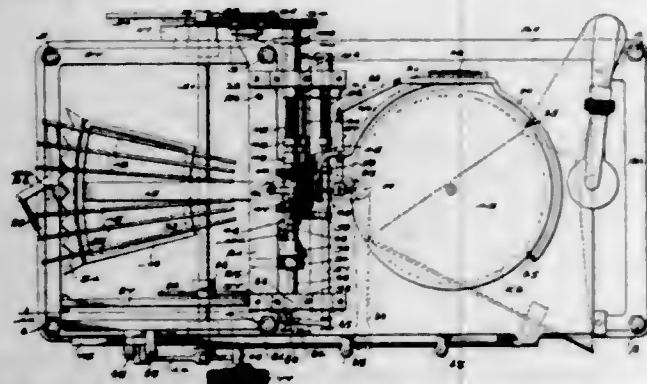
2. In a bed spring construction, a substantially rectangular sub-frame, upstanding corner brackets located at the corners of the frame, elevated head and foot rails extending transversely between the corner brackets and presenting vertically and horizontally disposed flanges, an upper tensioned woven wire fabric carried by the vertical flanges of the head rails, a further tensioned woven wire fabric underlying the former fabric and carried by the horizontal flanges of the head rails and compression tubes extending longitudinally of the sub-frame and having their ends attached to the brackets, said tubes being positioned immediately between the subframe and the fabrics.

1,741,039. CLIP OR FASTENER. WILLIAM H. SCHAEFER, Great Neck, and GUSTAV ECKERT, Bronx, N. Y. Filed Mar. 19, 1928. Serial No. 262,697. 2 Claims. (Cl. 292-288.)



1. A fastener of the character described comprising a single length of resilient wire having its ends bent into two separate coils, the axes of which are disposed at right angles to each other, the convolutions of the respective coils constituting clamping jaws.

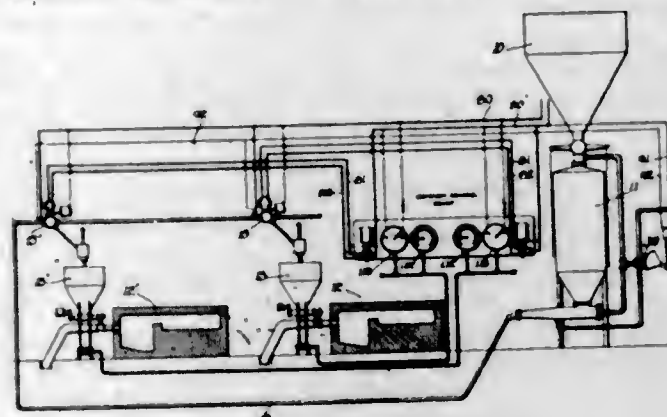
1,741,040. RECORD-CHANGING MECHANISM FOR DISK-RECORD SOUND-REPRODUCING MACHINES. FRANK H. SEAL and HARRY HAWKINS, Great Falls, Mont. Filed May 24, 1922. Serial No. 563,419. 10 Claims. (Cl. 274-10.)



7. A device of the character described, comprising a horizontal rotatable turntable, a fan-shaped record receiver,

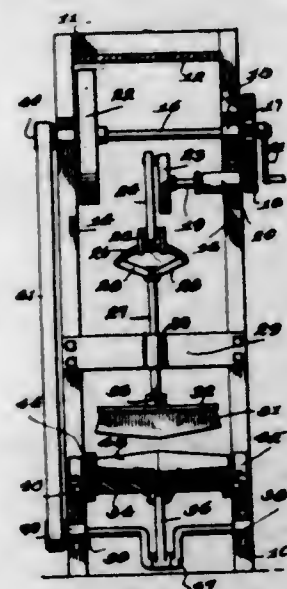
ing magazine pivotally mounted to swing in a horizontal plane adjacent said turntable, means carried by said magazine for normally supporting a plurality of records in vertical position and radially disposed with respect to the axis of the magazine, a sound reproducing mechanism, and means for operating the same, means for transferring the records from the magazine in a vertical position turning the same and depositing the records on the turntable in a horizontal position, means for causing the sound reproducer to travel over the record while in playing position, means for moving the sound reproducer away from said record, and means for reversing the record after its removal from playing position and returning the same to the magazine with their faces reversed from that which they occupied when displaced therefrom.

1,741,041. PULVERIZED-COAL-TRANSPORT SYSTEM. JAMES HALL TAYLOR, Chicago, Ill., assignor, by mesne assignments, to Fuller Lehigh Company, a Corporation of Delaware. Filed Mar. 25, 1921. Serial No. 455,390. 20 Claims. (Cl. 302-28.)



1. In combination, a receiving receptacle, means for feeding a material thereto, automatically operated control means for controlling said feeding means when the supply of material in said receptacle changes through a predetermined quantity, a body of fluid subjected to the weight of the material in said receptacle, and a pressure responsive member influenced by the pressure in said body of fluid for actuating said automatically operated control means.

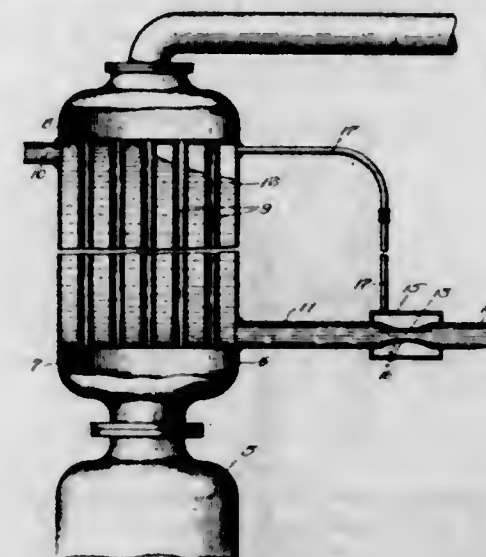
1,741,042. MACHINE FOR CUTTING MEAT, ETC. PETER D. TREAR, Leavenworth, Kans. Filed Aug. 19, 1925. Serial No. 51,138. 4 Claims. (Cl. 146-69.)



2. A device of the character described comprising a frame, a pitman and means for operating the same to convert a rotary motion into a reciprocating motion, a vertically reciprocating rod mounted in said frame and

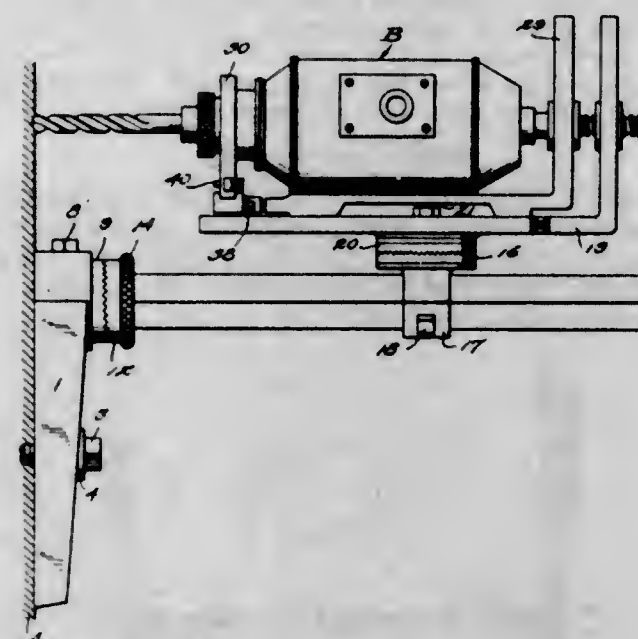
having connection with said pitman, a knife blade carried by said reciprocating rod, a table slidably arranged below said knife blade, a crank shaft carried by said frame, a link connecting said crank and said table for reciprocating the latter when said crank is rotated, and means connecting said crank with the pitman driving mechanism for rotating said crank when the pitman is operated and reciprocate the said table.

1,741,043. HEAT-EXCHANGE APPARATUS. GEORGE W. WARRE, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed July 27, 1925. Serial No. 46,304. 2 Claims. (Cl. 257-224.)



1. In a heat exchange device having a space occupied by a heat transfer medium, means for supplying a heat transfer medium to said space, exit means through which said heat transfer medium is caused to flow after leaving said space, means for causing the exit flow of the heat transfer medium to produce a pressure depression, and means for utilizing said pressure depression to remove collected gas from the space occupied by the heat transfer medium.

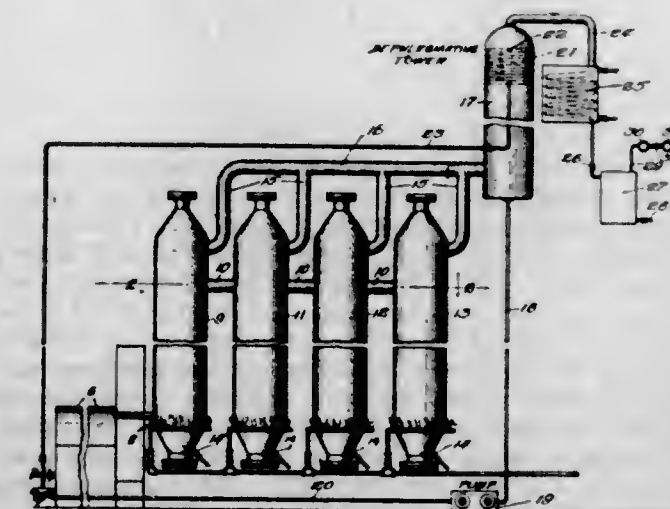
1,741,044. DRILL STAND. CHARLES R. WHIPPLE and THOMAS C. WINN, Detroit, Mich. Filed Oct. 26, 1927. Serial No. 228,949. 2 Claims. (Cl. 77-7.)



1. Drill supporting means comprising a base, a standard rotatably connected with the base, means for locking the standard in adjusted position on the base, a member

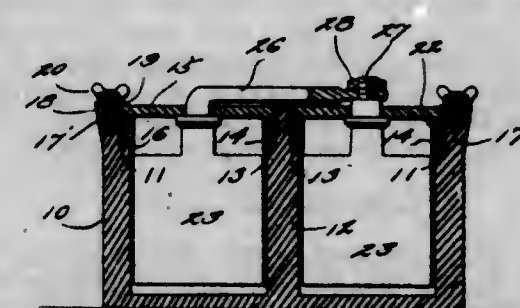
slidably connected with the standard, means for holding the member in adjusted position on the standard, a supporting member rotatably connected with the member on the standard, means for holding these two members in adjusted position, a drill holder slidably connected with the supporting member, a nut carried by the supporting member, a screw shaft passing through the nut and engaging a part of the holder for moving the holder in the supporting member, said holder comprising two arms, one arm being slotted, means for adjusting the other arm lengthwise of the holder, said adjustable arm being formed with two prongs, means for adjusting one prong in relation to the other, a member adjustable in the slotted arm and having an opening therein for receiving a part of the drill, means for connecting the screw shaft to said member and means permitting adjustment of the nut in the supporting member.

1,741,045. ART OF CONVERSION OF HYDROCARBON OILS. EDWARD E. BARTELS, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Nov. 29, 1926. Serial No. 151,446. 7 Claims. (Cl. 196-58.)



3. The method of producing low boiling point hydrocarbon oils in the gasoline range of boiling points from higher boiling hydrocarbon oils which comprises passing the higher boiling oil in continuous flow through a heated zone in which it is brought to conversion temperature, then passing the heated oil at conversion temperatures into one of a plurality of connected enlarged chambers and distributing oil from the upper portion of said chamber in substantially equal amounts among the remaining chambers, while maintaining pressure upon the oil throughout the system, whereby substantial conversion takes place therein and withdrawing unvaporized oil from the chambers.

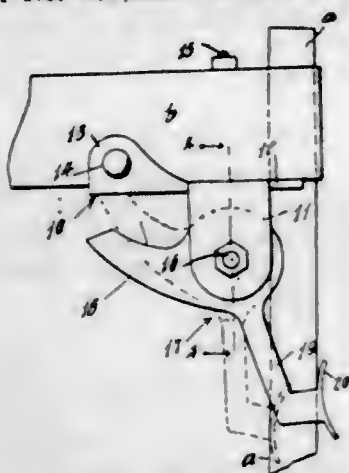
1,741,046. STORAGE-BATTERY CONSTRUCTION. HIRAM JAMES BARTLEY, St. Catharines, Ontario, Canada. Filed June 4, 1926. Serial No. 113,758. 1 Claim. (Cl. 136-134.)



In a storage battery, a case formed to provide spaced compartments, a group of plates within each compart-

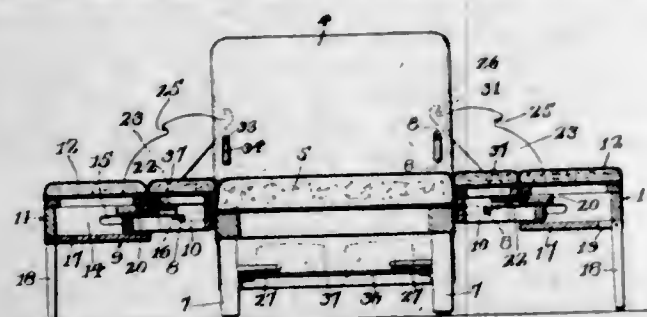
ment, the alternate plate in each compartment having terminal lugs and a transverse bar connecting the same, a post rising from the connecting bar of the plate in one compartment and terminating in a reduced threaded extension, and an angular member connected with the transverse bar of the plates in the other compartment, and having an apertured end engaged upon said reduced extension, and a nut screwed upon said threaded extension for securing said angular member in place.

1,741,047. PICKER-STICK CHECK. ARTHUR BERGERON and ODILON BOUTIN, Lawrence, Mass. Filed Dec. 1, 1927. Serial No. 237,046. 1 Claim. (Cl. 139-170.)



A check device of the class described comprising an attaching bracket having an attaching portion and an ear integral therewith and depending therefrom, a horizontal bolt rigidly fastened to the depending portion and mainly disposed under the attaching portion, a thimble non-rotatable on said bolt having an abutment at its inner end, a lever pivoted on said bolt having a sleeve integral therewith journaled on the thimble and abutting said abutment, said lever having a laterally extending lug adjacent its lower end for engagement by a picker stick, a spring surrounding said sleeve and abutment and being fastened to said ear and said lever, said spring serving to urge forward movement of and maintaining said lever adjacent its upper end in contact with the under surface of said attaching portion.

1,741,048. CONVERTIBLE ARTICLE OF FURNITURE. MELVIN C. BERRY, Washington, D. C. Filed May 24, 1928. Serial No. 280,366. 7 Claims. (Cl. 155-46.)

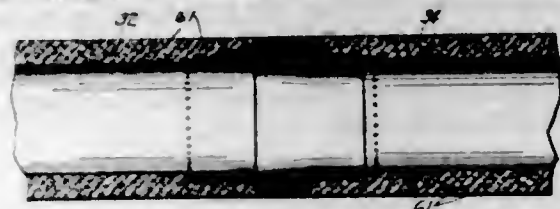


1. A convertible article of furniture comprising, a back, a seat, a pair of extendible side arms formed of two sections, means connected to the back and seat for pivotally connecting the arms thereto, said arms being slidably mounted on said means, controlling springs for said arms carried by said means, means for latching the arms in extended and non-extended positions to the back, and means carried by the arms for supporting the latter when extended.

1,741,049. PRECAST CONCRETE METAL-LINED PIPE. THOMAS DE LA MARZ, Salt Lake City, Utah. Filed June 13, 1927. Serial No. 198,483. 8 Claims. (Cl. 72-54.)

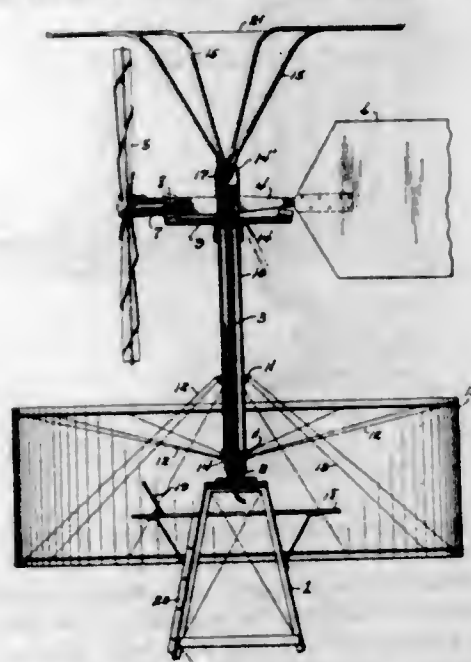
1. In a concrete pipe, a sheet metal lining, a shell of concrete pre-cast around said lining, and an annular re-

cess defined at the end of said lining, said recess being longitudinally inward of an end face of said shell, exterior to said lining, and interior to said concrete shell; a second



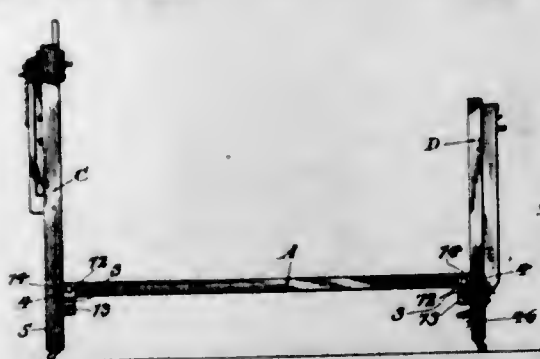
sheet metal lining similarly constructed and encased, said two linings spaced apart, a sleeve joining said linings, and a filling of concrete around said sleeve.

1,741,050. ADVERTISING DEVICE. CLAUDE J. DENNIS and JOHN E. PEARCE, Dallas, Tex. Filed Mar. 3, 1928. Serial No. 258,884. 1 Claim. (Cl. 40-40.)



An advertising device comprising a tower, a vertically arranged hollow shaft supported at the top of the tower, a frame rotatably supported at the top of the shaft, a wind wheel at one end of the frame, a tall at the other end of the frame, a second hollow shaft surrounding the first shaft and rotatably supported thereby, gears for connecting the upper end of the second shaft with the shaft of the wind wheel, a drum supported from the lower part of the second hollow shaft, a casing at the upper end of the first shaft, tubular arms connected with the casing and extending upwardly and outwardly, lamps carried by said arms for illuminating the parts of the device, and conductors passing from the lamps through the arms and through the first shaft to a source of supply.

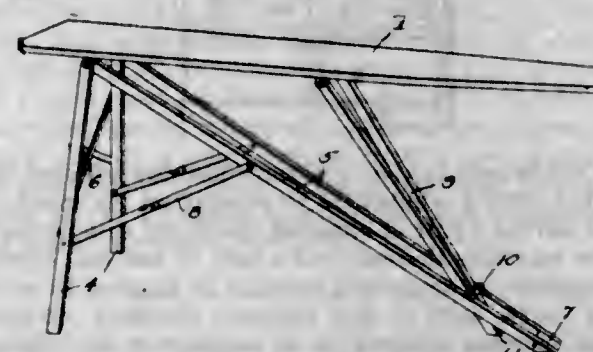
1,741,051. CORNER FASTENING FOR BED RAILS. SAM FORD, Toledo, Ohio. Original application filed Aug. 5, 1927, Serial No. 210,876. Divided and this application filed Feb. 7, 1928. Serial No. 252,595. 2 Claims. (Cl. 5-28S.)



1. A corner fastening for beds comprising in combination, a side rail in the form of an angle iron, a hori-

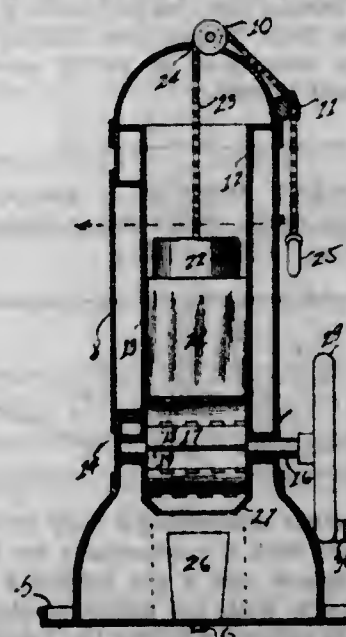
zontally disposed headed stud projecting from the outer side face of one of the flanges of the rail, a vertically disposed coupling pin attached to the inner side face of such flange, of a length greater than the width of the rail, extending through the other flange of the rail and further depending below the latter, and a pair of spaced members carried by a bed post, one arranged above the other and offset with respect thereto, each of said members provided with a vertically disposed socket, the socket in the upper member being disposed between the vertical median and outer side of the post for receiving the stud, and the socket in the lower member disposed between the vertical median and inner side of the post for receiving the pin.

1,741,052. IRONING BOARD. WALTER D. GEORGE, Tuscola, Ill. Filed May 13, 1927. Serial No. 191,148. 1 Claim. (Cl. 68-10.)



In an ironing table, a board, a support therefor comprising a pair of rear legs pivotally secured at one end of the board, a pair of inclined legs pivotally mounted at the same end as the rear legs and extending downwardly under the opposite end of the board, said last mentioned legs converging downwardly and being connected at their lower ends, a prop comprising a pair of members pivotally mounted at the mid-section of the board one at each side of the axis thereof and extending downwardly between the inclined legs, a stop mounted on the prop above the bottom thereof to engage the upper surface of the inclined legs and a stop on the inclined legs underneath thereof, adapted to engage the upper surface of the lower end of the prop to check the upward thrust thereof, the weight of the board holding the stop on the prop in engagement with the inclined legs and folding braces pivotally connecting the inclined legs with the rear legs.

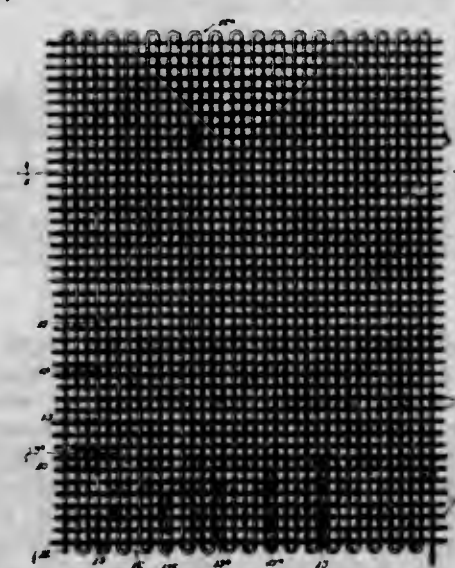
1,741,053. ICE-CUTTING MACHINE. ADOLPH O. GOLDSTEIN, Santa Cruz, Calif., assignor to Sno-Ko Inc., Santa Cruz, Calif., a Corporation of California. Filed Aug. 24, 1927. Serial No. 215,229. 1 Claim. (Cl. 83-62.)



An ice shaving device comprising a container, a hinged door closing an opening in the side thereof, partitions in 389 O. G.-63

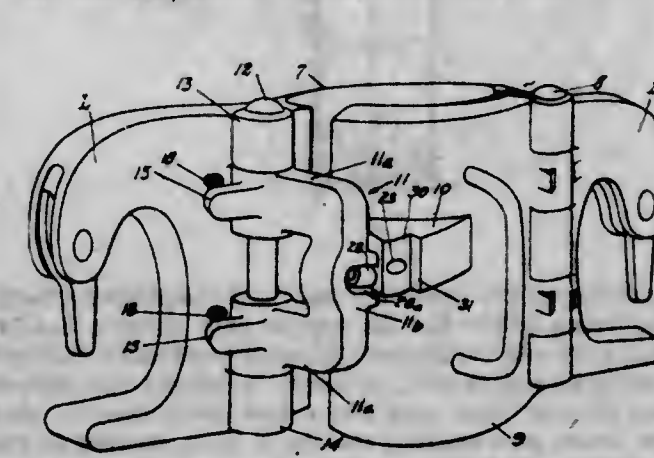
said container and carried by said door respectively, said partitions cooperating to provide an ice receiving chamber formed in a manner to fixedly hold ice against turning, an outlet provided in said container for guiding shaved ice to a receptacle, a weight for engaging the top of the ice, a flexible element having an end secured to said weight, a ring secured to the opposite end of said flexible element, a guide for said flexible element and providing a stop for said ring to limit the downward movement of said weight, an ice shaving roller in the bottom of said container and means for rotating said ice shaving roller.

1,741,054. ELECTRICALLY-HEATED FABRIC AND THE LIKE. WALTER D. GRAHAM, River Forest, Ill. Filed Oct. 11, 1926. Serial No. 140,862. 7 Claims. (Cl. 219-46.)



1. As a new article of manufacture a woven fabric comprising a series of longitudinally extending warps together with a transverse weft woven back and forth between the warps to form a continuous length of fabric, the weft normally passing above and below consecutive warps of each throw and there being periodical skips wherein a warp passes to the same side of two or more wefts in succession to thereby establish a series of loops in the warps, successive skips being out of line with each other to thereby break joints and thereby distribute the warp loops in the positions of the different weft throws, and a suitable outline indicated on the surface of the fabric to designate the limits of insertion of a suitable heating wire, substantially as described.

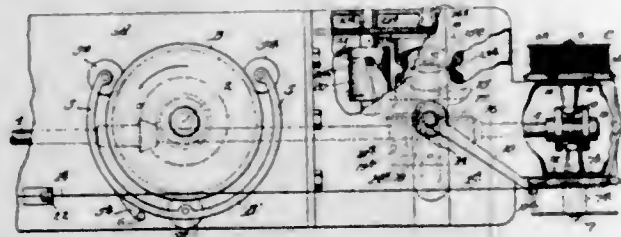
1,741,055. ELEVATOR. JOHN N. HICKS and CLAYTON SEVERNS, Los Angeles, Calif. Filed July 10, 1928. Serial No. 291,620. 4 Claims. (Cl. 294-91.)



1. In an elevator of the class described, a collar comprising a body adapted to receive the casing to be elevated and a horizontally swinging gate pivoted to said body, a horizontally swinging latch pivotally mounted on said

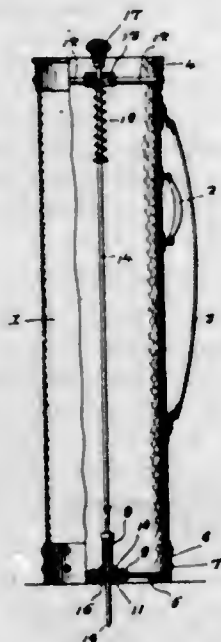
body in position to be deflected by the free end of said gate as the latter swings to closed position, said latch being U-shaped and having a cross-arm to cooperate with said gate, a portion of said gate being adapted to extend under said cross-arm to hold said gate in the closed position, a spring-pressed catch-pin mounted on the cross-arm of said latch, there being a beveled seat in said gate to receive the end of said catch pin and out of which the end of said catch pin may be forced by relatively strong lateral pressure, and means to manually withdraw said catch pin from said seat.

1,741,056. MECHANISM FOR AND METHOD OF COILING WIRE OR THE LIKE. FRANK HONIG, Oak Park, Ill., assignor to Cyclo Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 16, 1923. Serial No. 632,357. 5 Claims. (Cl. 242-78.)



3. In mechanism of the character set forth, the combination of a self-discharging winding-drum equipped with presser-means for holding convolutions of wire against said drum and operative to exert uniform drawing tension and effect discharge, regardless of the action of the take-up spools, a plurality of spools adapted to receive wire from said winding-drum, distributing mechanism adapted to distribute the wire first on one spool and then on another, and means for periodically effecting shifting of said distributing mechanism.

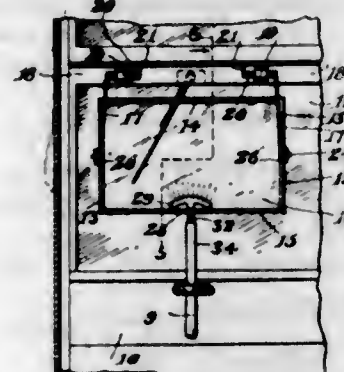
1,741,057. GOLF BAG. GLENN ARNOLD HOWE, Silverton, Oreg. Filed Aug. 13, 1927. Serial No. 212,718. 1 Claim. (Cl. 150-1.5.)



A golf bag of the character described comprising a body, a reinforcing collar for the top of said body, a bottom for said body and being provided with a centrally disposed opening arranged therein, a sleeve, a flanged cup shaped member formed with said sleeve and being fixed to said bottom about said opening therein, a plate secured to the underside of said bottom and formed with an opening registering with the sleeve, a flanged disk having a central opening, rod bolts radiating from the flange of the disk and centrally securing the disk adjacent the upper end of said body to said reinforcing collar, a handled spring pressed shaft disposed in the opening of the disk, the sleeve

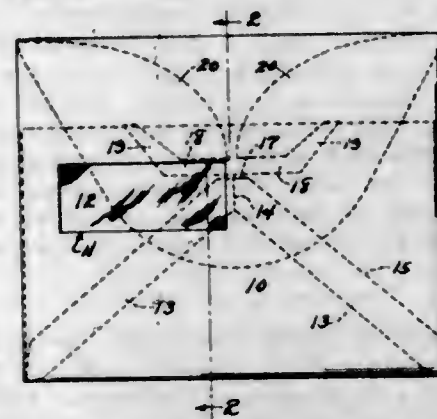
and opening of the plate respectively, and terminating in a penetrating lower end, a felt washer disposed in said cup shaped member, and said shaft being mounted for slidable movement as and for the purpose specified.

1,741,058. WINDSHIELD HEATER. NATHANIEL K. ISAAC, Parkston, S. Dak. Filed June 4, 1928. Serial No. 282,614. 1 Claim. (Cl. 20-40.5.)



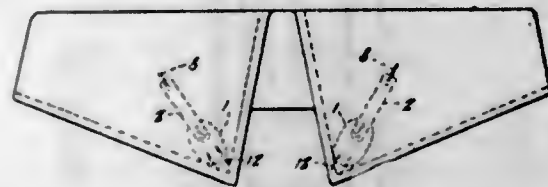
In a windshield heater, a closure member adapted to be associated with a windshield to provide an air space, said member having a pair of opposed, apertured ears projecting from the rear face thereof, and a pair of resilient elements for detachably securing said member in position to provide said air space, each of said resilient elements comprising a central portion adapted to be secured to the frame of the windshield, an end portion for bearing against the frame, and another end portion terminating in a laterally offset projection extending through out of said apertured ears.

1,741,059. ENVELOPE. SAMUEL C. JONES, Atlantic City, N. J. Filed Sept. 4, 1928. Serial No. 303,790. 2 Claims. (Cl. 229-71.)



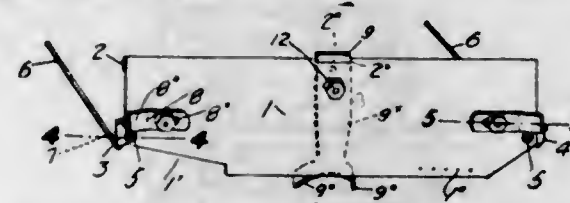
1. An envelope having side, bottom and top flaps, a sight opening within the front thereof, and locking flaps carried upon the envelope side flaps to retain mailable matter against displacement therein.

1,741,060. GARMENT WEIGHT. ADOLPH LEVENSON, Long Island City, N. Y. Filed Feb. 1, 1929. Serial No. 336,705. 5 Claims. (Cl. 2-132.)



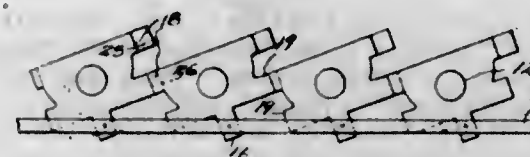
1. A garment weight comprising a body formed of heavy material and formed with a substantially flat face which is provided with a groove and a pin having a portion connected with the body, with the major portion of the pin passing through the groove, whereby the fabric of the garment penetrated by the pin will be locked between the walls of the groove and the pin.

1,741,061. MOTORIST'S EYE SHIELD. FREDERICK WILLIAM MAGEE, London, Ontario, Canada, assignor of one-half to Thomas William Baker, London, Ontario, Canada. Filed Jan. 24, 1929. Serial No. 384,822. 1 Claim. (Cl. 2-12.)



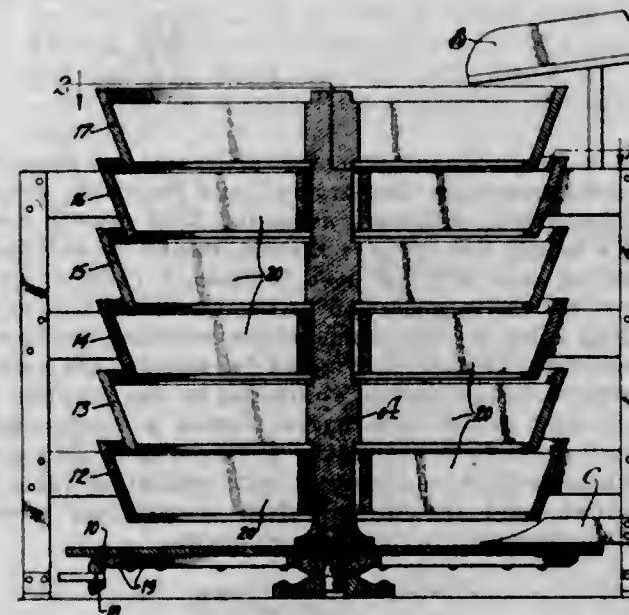
In a motorist's eye shield, the combination with a shield body having a turned over upper edge provided with a slit opening centrally of its length, of a nose piece comprising a strip of bendable resilient metal adapted to pass at its upper end through the slit opening and having a plurality of perforations adjacent its upper end, and laterally extending rectangular wing members extending from the lower end adapted to be bent to fit each side of the nose of the wearer, such members being adaptable to be bent on a transverse line at the point adjacent the aforesaid perforation, and at a point adjacent the lateral extensions, and a bolt extending through the shield body through one or other of the aforesaid perforations and adjustably securing the nose piece in position.

1,741,062. GRATE-BAR-SHAKING AND CLINKER-CRUSHING APPARATUS. GEORGE G. MARX, Detroit, Mich. Filed Nov. 14, 1927. Serial No. 233,152. 7 Claims. (Cl. 126-176.)



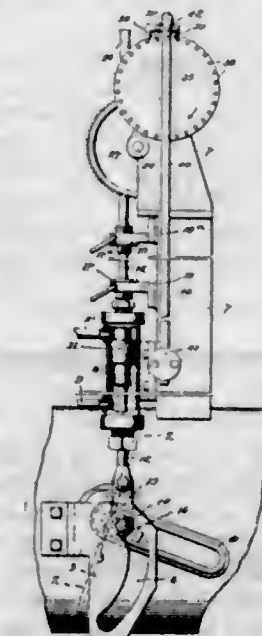
1. In a grate, a plurality of pivotally mounted grate sections, each section being provided with means adapted to contact with the means on its adjacent section for imparting a jarring action thereto.

1,741,063. METHOD OF WASHING GRANULAR MATERIAL. ARTHUR JOHN MASON, Homewood, Ill. Filed Jan. 21, 1929. Serial No. 333,923. 2 Claims. (Cl. 209-2.)



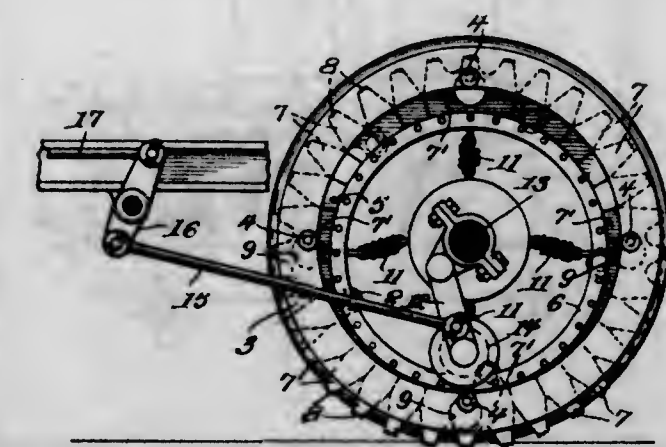
1. The method of treating a granular bone phosphate of lime consisting of first washing the same and then mixing the same with water not exceeding 40 per cent of its own weight and agitating the mixture to cause the grains of material to abrade one another.

1,741,064. VALVE-OPERATING MECHANISM. HENRY C. A. MEYER, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a Corporation of Maryland. Filed Apr. 24, 1925. Serial No. 25,719. 3 Claims. (Cl. 161-7.)



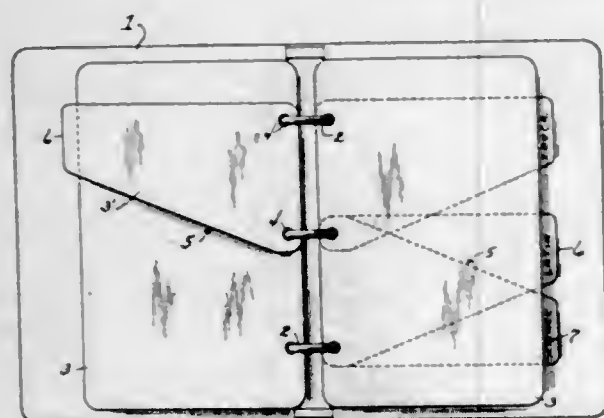
1. In combination with a conduit; a valve mounted therein and having a progressive flow varying characteristic throughout its range of motion; a motor; a connection between the motor and the valve including a cam acting to regulate and determine the angular movement of the valve about its axis; and means acting upon the motor during the opening of the valve to render its speed substantially constant.

1,741,065. ANTI-SKID DEVICE. THOMAS E. MILLES, McKees Rocks, Pa. Filed Apr. 1, 1929. Serial No. 351,756. 3 Claims. (Cl. 301-49.)



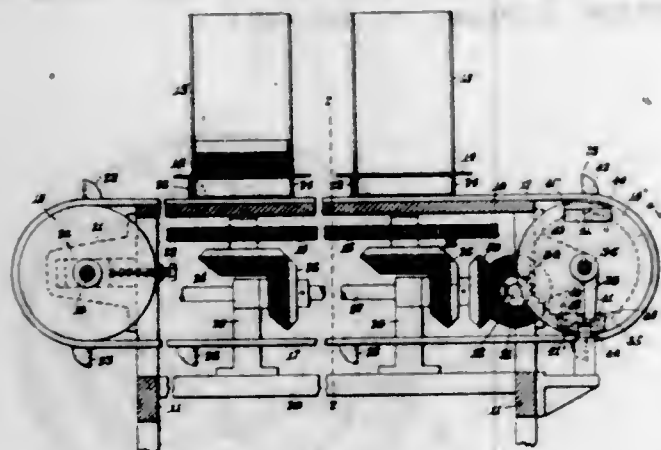
3. An anti-skid device for a vehicle wheel, comprising a pair of spaced rings, means for attaching one ring to a wheel, a ring-shaped member movably supported between the rings and composed of a ring part and lugs attached to the outer periphery of said part, springs connecting the ring part to the hub of the wheel and normally holding the ring-shaped member in a position concentric with the wheel, an arm pivoted to a stationary part, a roller at the lower end of the arm and means for swinging the arm downwardly to cause the roller to move the ring-shaped member to an eccentric position relative to the wheel, whereby the lugs will engage the road surface as the wheel revolves.

1,741,066. NOTEBOOK DIVIDER. ORVILLE SCOTT MORGAN, Baldwin, Kans. Filed Jan. 16, 1929. Serial No. 332,928. 1 Claim. (Cl. 129-3.)



A note book having its pages connected by three split rings which are equidistantly spaced, dividers for the pages, each including a plate of stiff fibrous material having its inner edge provided with openings that are spaced away from each other a distance corresponding to that between two adjacent split rings and designed to receive the rings therethrough, said plate having one of its edges cut at an inclination from its outer to its inner end, said plate being of a length slightly greater than the length of the pages in the note book so that the reduced end of the plate will project beyond such pages and said projecting portion of the plate designed to have inscribed thereon data relative to the subject matter recorded in the pages of the note book between which said plate is arranged.

1,741,067. CARD-SEPARATING MECHANISM. JOHN J. MURRAY, Arlington, Mass. Filed June 13, 1928. Serial No. 285,101. 17 Claims. (Cl. 226-2.)

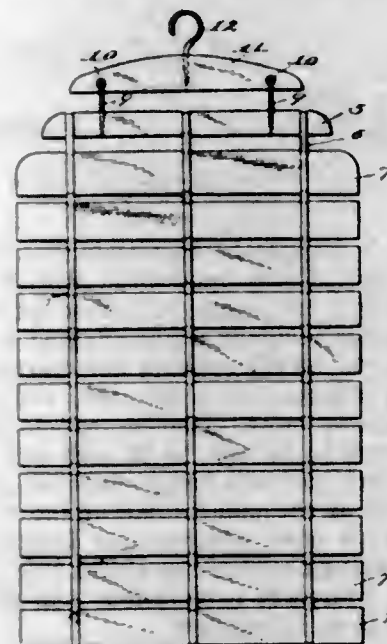


1. The combination of an endless conveyor; box-registering devices thereon adapted to position removable boxes on said conveyor; means for moving said conveyor; a plurality of card hoppers above said conveyor open at the bottom; and rotatable means interposed between the hoppers and conveyor for separating the lowest card from the remaining cards in each hopper and depositing it in a box on said conveyor.

1,741,068. MOTH ELIMINATOR. WILLARD NEWSOM, Montgomery, Ala. Filed Oct. 27, 1927. Serial No. 229,179. 1 Claim. (Cl. 299-24.)

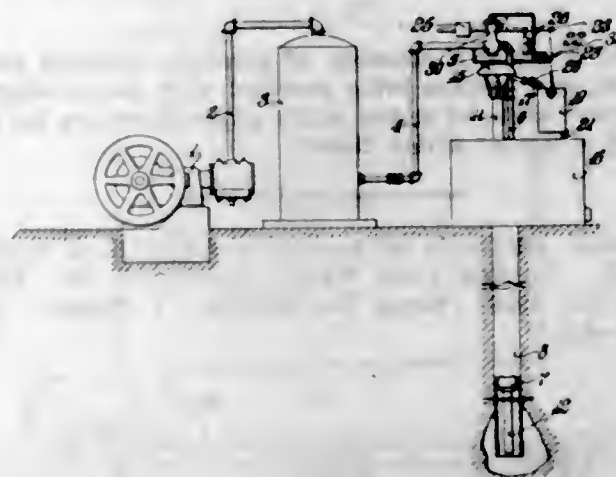
A slatted collapsible moth-board composed of a plurality of parallel and spaced strips of moth-repelling material and notched respectively in the edges thereof, and a plu-

rality of flexible supporting connections engaging the notches of the respective strips and holding same in flexible and spaced relation to each other, and means connected to one end of the board for supporting the same



in a loose vertical position, said means comprising a plurality of hooks anchored at one end of the board, a strip provided with a plurality of openings to receive said hooks, and supporting means carried by the last-named strip.

1,741,069. PUMPING SYSTEM. JOHN OLIPHANT, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Aug. 31, 1927. Serial No. 216,062. 4 Claims. (Cl. 103-242.)

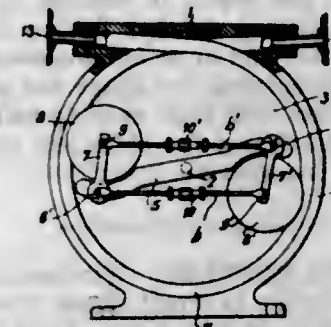


1. In a displacement pumping apparatus, a displacement barrel, means for discharging liquid therefrom, means for intermittently supplying actuating fluid thereto comprising a supply line, a valve therein, means for normally maintaining said valve in open position, a deflector pipe arranged to receive a portion of the liquid discharged, a regulating valve therein, a bucket for receiving the liquid from said deflector pipe, and means for moving said supply line valve to closed position controlled by the quantity of liquid in said bucket, said bucket having a continuously open outlet therein for gradually discharging liquid therefrom, an adjustable continuously open regulating valve in said outlet, said regulating valves constituting means for timing the operation of the main valve.

1,741,070. PUMP. JUAN CORNET Y OLIVERAS, Barcelona, Spain. Filed Mar. 7, 1929, Serial No. 344,967, and in Spain Feb. 25, 1928. 2 Claims. (Cl. 103-149.)

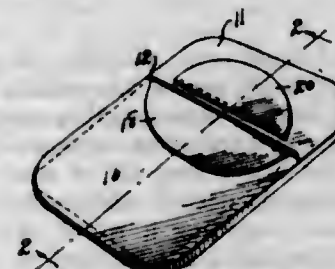
1. A pump comprising a cylinder, a tube of resilient material extending around the inner circumferential face of the cylinder and having its ends leading out of the

cylinder, a shaft axially mounted in the cylinder, a support within the cylinder secured to the shaft and projecting radially therefrom in opposite directions, levers pivoted to the ends of the support, rollers mounted on the



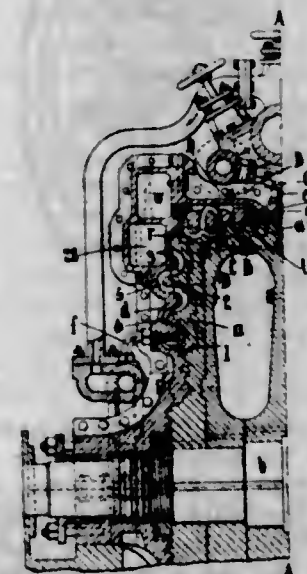
free ends of said levers and adapted to bear upon the tube, and rods connecting the free ends of the levers with the opposite ends of the support and adapted to hold the rollers against the tube.

1,741,071. POCKETBOOK. ISRAEL L. PIERCE, Pomona, Calif. Filed Nov. 20, 1926. Serial No. 149,700. 1 Claim. (Cl. 150-37.)



In a pocket book, a rear wall, a front wall providing with the rear wall oppositely located pockets, and said front wall comprising two sections having free edges approaching each other and separated to provide a transverse slot, an intermediate wall providing compartments on opposite sides thereof, an extension carried by the intermediate wall and adapted to project under one section of the front wall, a flap carried by the extension and projecting over the free edge of the other section of the front wall, said extension and flap lying substantially flat across the transverse slot, and extending lengthwise of the slot to form a closing member therefor and a second flap connected with that front wall section under which the extension projects.

1,741,072. ROTARY ENGINE. GORDON PITT, London, England, assignor to P. and F. Engineering Syndicate Limited, London, England, a Company of Great Britain and Ireland. Filed Aug. 1, 1927, Serial No. 209,785, and in Great Britain Aug. 10, 1926. 3 Claims. (Cl. 253-54.)



1. A rotary engine comprising in combination a rotor provided with buckets constituted by enclosing U-shaped

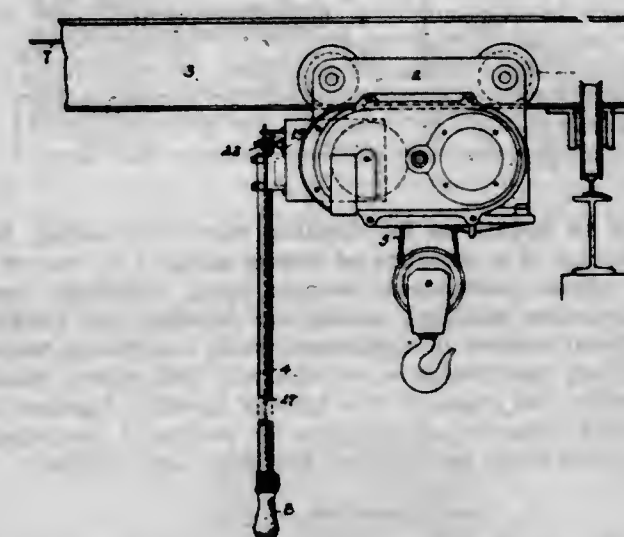
channels, a stator supported concentrically on the rotor shaft, annular rings formed integrally on the adjacent surfaces of the stator and rotor, channels between said rings into which the rings on the adjacent part fit with a minimum clearance space between them, U-shaped buckets in the rotor, a nozzle in said stator to direct the motive fluid into one leg of successive U-shaped buckets situated in the rotor in the same plane as said nozzle, U-shaped enclosed exhaust channels in the inner surface of the stator having one leg in the same plane as the second leg of the said buckets so as to receive the motive fluid exhausted therefrom and having its second leg in the same plane as and in a position to direct said motive fluid into the first leg of two U-shaped buckets of an annular series situated in the rotor in a plane parallel to the first series and means of preventing the rotation of the stator substantially as set forth.

1,741,073. COMBINED BARRETTE, COMB, AND HAIR WAVER. GEORGE A. PORTER, Leominster, Mass. Filed Aug. 20, 1928. Serial No. 300,872. 1 Claim. (Cl. 132-48.)



In a combined barrette, comb and hair waver, a one-piece U-shaped segmental element formed to provide inwardly projecting parallel comb teeth and having means pivotally holding a curved bar engageable in a hooking means, said hooking and pivoting means being on the opposite ends of said element.

1,741,074. ELECTRIC TROLLEY HOIST. CHRISTIAN H. RASMUSSEN, Cleveland, Ohio, assignor to The Euclid Electric & Manufacturing Company, Euclid, Ohio, a Corporation of Ohio. Filed Aug. 21, 1926. Serial No. 180,619. 6 Claims. (Cl. 212-184.)

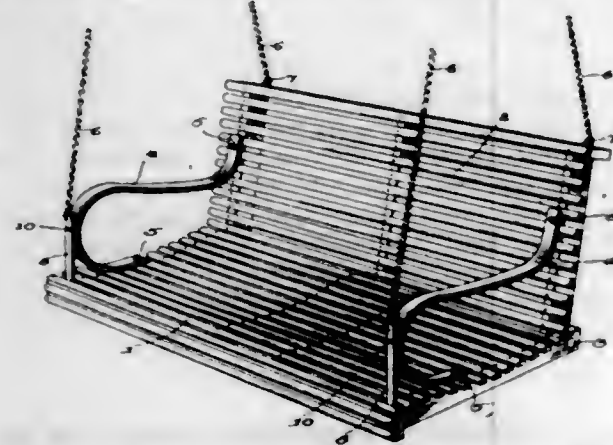


1. In an electric trolley hoist, including a wheeled carrier having motor operated hoisting mechanism, mounted thereon, an electric switch mounted on said carrier, a rigid tubular handle affixed at its upper end to said carrier adjacent said switch, a rotatable hand grip affixed to the lower end of said handle, and a shaft extending upwardly from said hand grip through said tubular handle having an oscillatory device at its upper end adapted to operate said switch.

1,741,075. PORCH SWING. PEARL F. REDDICK, Pleasant Garden, N. C. Filed Mar. 12, 1927, Serial No. 174,784. Renewed Aug. 16, 1929. 5 Claims. (Cl. 155-66.)

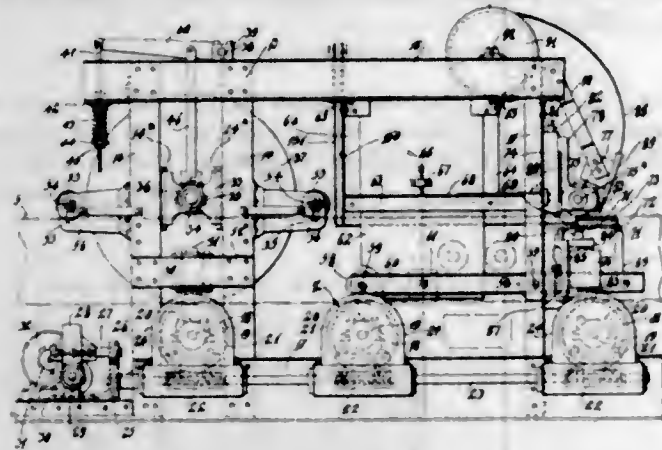
1. A folding swing comprising a seat, and a back, each having transversely extending frame members, and having

cross-slats secured thereto, forming connections therebetween, the inner ends of the frame members being in alignment, pivotal means extending through approximately the transverse centers of the inner ends of the frame members



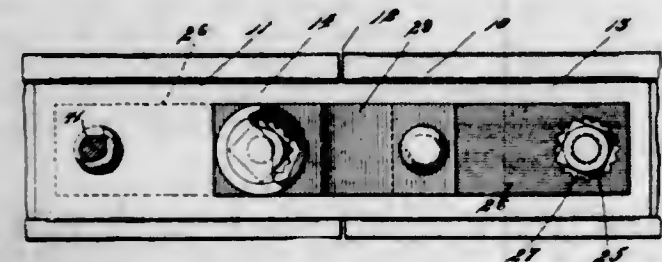
and forming a pivotal connection between the seat and back, and braces connected with the back and seat and detachably connected with at least one of them to allow a backward folding action of the back.

1,741,076. ELECTRIC PIPE-WELDING APPARATUS. WILLIAM E. RUPLEY, Los Angeles, Calif., assignor to Western Pipe and Steel Company of California, San Francisco, Calif., a Corporation of California. Filed Sept. 26, 1925. Serial No. 58,952. 6 Claims. (Cl. 219-6.)



1. In an apparatus for forming stove-pipe casing, the combination of a plurality of rollers adapted to convey a rolled tubular sheet metal member along, yieldingly movable, pressure applying means for holding the tubular sheet metal member in engagement with the rollers, means for driving the rollers at a relatively low speed, means for forcing the edges of the tubular member together in horizontal alignment, and means for welding a continuous longitudinal seam for securing the said edges together.

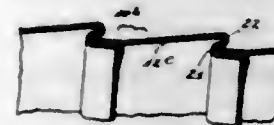
1,741,077. NUT LOCK. HERMAN RUSACK, Providence, R. I. Filed Feb. 11, 1928, Serial No. 253,686, and in Germany Mar. 18, 1927. 5 Claims. (Cl. 151-54.)



1. In a nut lock for a rail joint having a plurality of fastening bolts with securing nuts thereon, comprising a

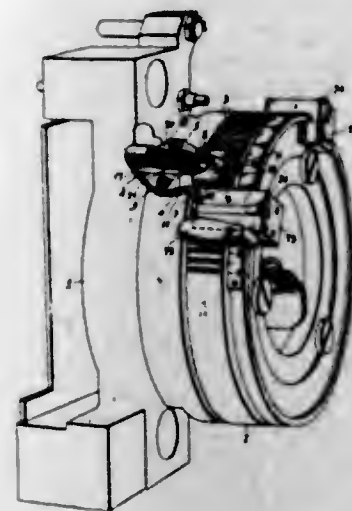
plurality of detachable plates disposed on opposite sides of the rail through which a plurality of bolts extend, one of said plates having an opening therein to receive and lock a nut, another of said plates having an opening of a size to permit the nut which it receives to turn therein and a removable, locking member having an opening to receive and fit the nut and of an outside shape and dimension to fit the plate opening, the shape and engagement of said member and last said plate opening being such as to prevent relative rotation of the plate and member and to retain the member in position.

1,741,078. ENGINE MUFFLER. WINTHROP T. SCARBUTT, Utica, N. Y., assignor to Pratt Chuck Company, Utica, N. Y., a Corporation of New York. Filed Feb. 17, 1928. Serial No. 255,111. 4 Claims. (Cl. 137-160.)



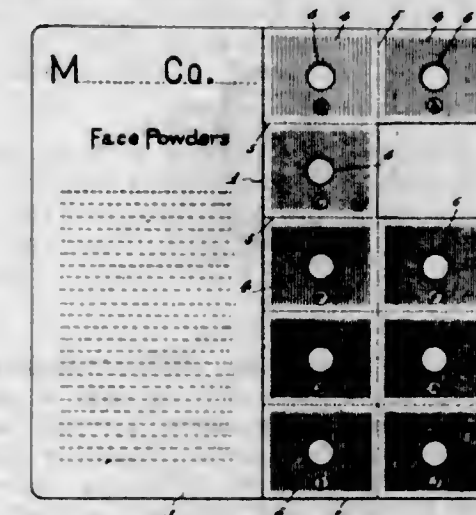
1. In an engine muffler, a plurality of generally cup shaped members partially nested one within the other and defining chambers, said members having openings in their bottoms providing communication between the chambers, tie bolts or the like connecting all of said members and holding them in properly nested relationship, each of said cup-shaped members including a rolled external annular shoulder extending beyond the periphery of the bottom of said cup-shaped member and located between its bottom and lip against which the lip of an adjacent cup abuts, the shoulder being of greater width than the thickness of the cup lip which abuts it, the shoulder presenting an annular reinforcing rib extending laterally beyond the lip of the adjacent cup and providing a compensating means for the expansion and contraction of the members.

1,741,079. SLUG-TRIMMING KNIFE. SAMUEL E. SPEART, Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 24, 1928. Serial No. 264,354. 14 Claims. (Cl. 199-59.)



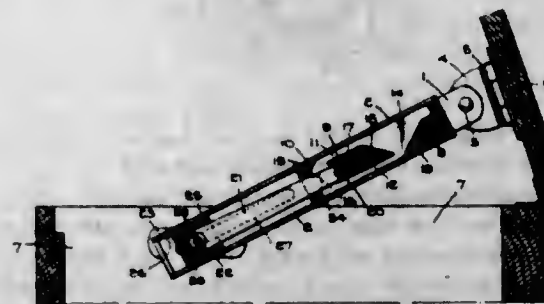
1. In a slug trimming knife for line casting machines, the combination of an adjusting member for adjusting the knife to trim slugs to different sizes, and a setting member cooperative therewith, one of said members having setting-controlling graduations which correspond with full point type sizes, and one of said members having other setting-controlling graduations which correspond with fractions of such full point sizes.

1,741,080. SAMPLE CARD. BERNARD F. STENZ, New York, N. Y., assignor to Simplex Sampling Association, New York, N. Y., a Corporation of New York. Filed Nov. 9, 1928. Serial No. 818,198. 3 Claims. (Cl. 35-12.)



1. As a new article of manufacture, a sample card having a plurality of colored sections thereon, the colors of the several sections being of different tints and each colored section having an opening or exposure area therein, and weakened lines between the several colored sections whereby one or more sections may be removed from the card.

1,741,081. LID-SUPPORTING MEANS FOR CABINETS OR BOXES. JOSEPH ALFRED STONE, Walsall, England, assignor to Pianoforte Supplies Limited, Simplex Works, England. Filed Apr. 4, 1929, Serial No. 352,475, and in Great Britain Jan. 23, 1928. 1 Claim. (Cl. 217-60.)

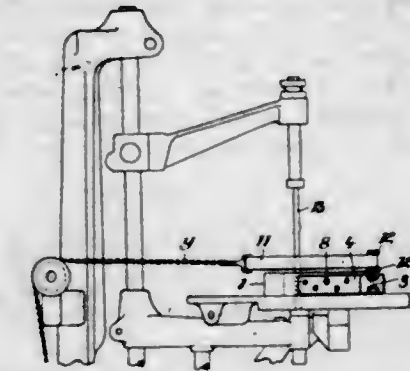


A lid supporting means for cabinets comprising a pivotally mounted stay and a pivotally mounted guide member for the stay, the stay and guide member being attached one to the cabinet and one to the lid, said stay being provided with laterally projecting end blocks and an intermediate block, the intermediate block having an inclined cam face, one of the end blocks having a cam face inclined opposite to the inclination of the cam face of the intermediate block, the opposite end of the intermediate block having a V-shaped cam face adjacent the other block, a movable locking member comprising an arm pivotally mounted for oscillation, a pin projecting from the free end of the arm and engageable with the inclined cam faces for guiding the pin rearwardly when the stay is moved outwardly of the cabinet after the lid is open, the intermediate block guiding the pin until it drops within the V-shaped notch in the intermediate block, and means on the end block adjacent the V-shaped cam face of the intermediate block for aiding in guiding the pin towards the V-shaped cam face.

1,741,082. AUTOMATIC FEED FOR SAWING MACHINES OR THE LIKE. HEINRICH THIEL, Rubla, Germany. Filed Feb. 16, 1928, Serial No. 254,758, and in Germany Jan. 24, 1928. 2 Claims. (Cl. 143-171.)

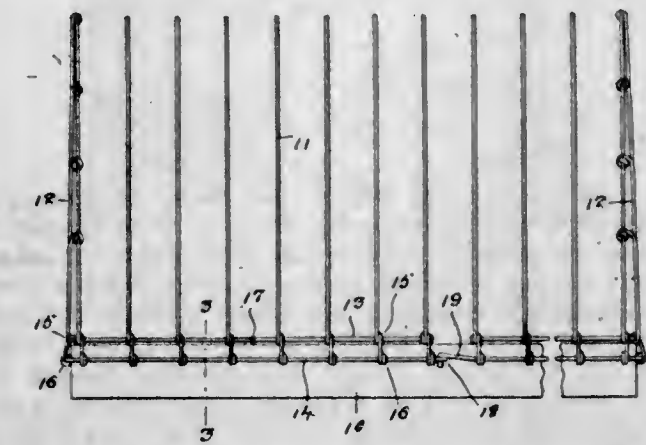
2. An automatic feeding device as specified in claim 1, in which the clamping device for the work consists of a

U-like bow, composed of a plurality of elements each having a row of holes, a guide on the transverse element of said bow and on which one of the other elements is adjustably



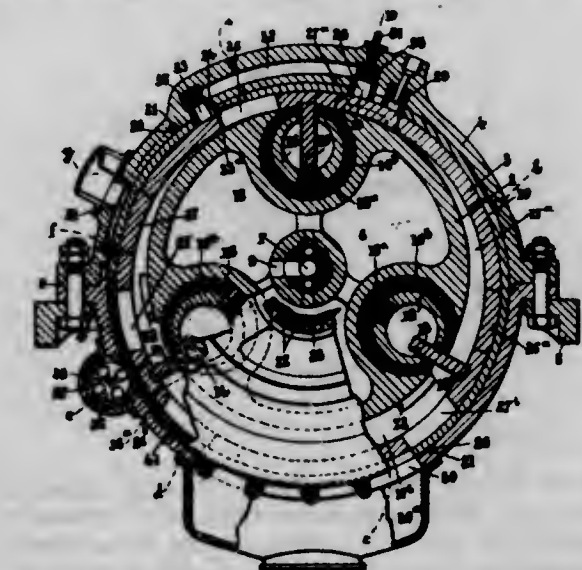
mounted, means for securing said elements in adjusted position, and clamping screws for holding the work in the bow.

1,741,083. POULTRY FEEDER. WALTER N. TUCKER, Monroe, Wash. Filed Feb. 16, 1929. Serial No. 340,607. 2 Claims. (Cl. 119-61.)



1. In a poultry feeder, a feed trough including upwardly extending walls, a guard removably mounted upon the trough and comprising spaced upwardly extending bars, spaced upper and lower horizontal bars connecting the upwardly extending bars, eyes carried by the upwardly extending bars to receive and engage the horizontal bars, and the upper horizontal bar being of less dimensions than the lower bar, whereby the eyes for said upper bar will rest upon the upper edge of the walls of the trough with the eyes for the lower bar engaging the sides of said walls.

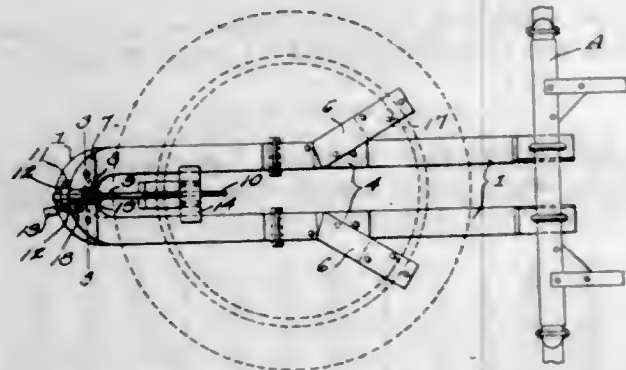
1,741,084. ROTARY ENGINE. JEAN EDOUARD TUSCHER, Paris, France. Filed Dec. 13, 1926, Serial No. 154,610, and in France Dec. 17, 1925. 8 Claims. (Cl. 123-8.)



1. A rotary engine, including a stator, a driven shaft, and a rotor, said rotor comprising a drum, a second drum

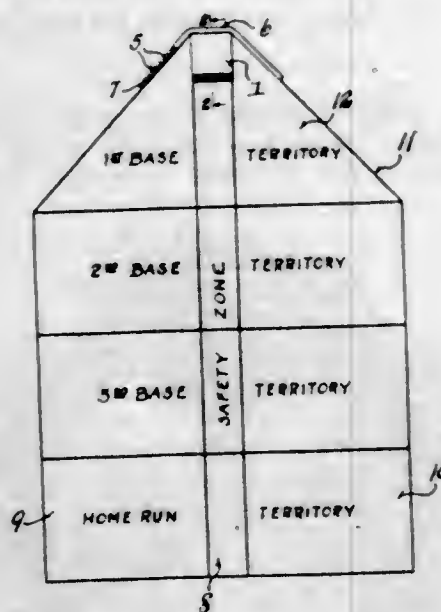
mounted eccentrically thereof and keyed to said shaft, a plurality of vanes carried by and projecting internally of the first drum and dividing the eccentric space between the two drums into an equal number of chambers, said second drum having a plurality of substantially cylindrical longitudinal recesses in the periphery thereof, one to each vane, and a pair of jaw-forming hollow members mounted for oscillation in each recess and receiving the inner end of its respective vane.

1,741,085. TRAILER HITCH AND TIRE CARRIER. MANUEL P. VALINE, Hamilton City, Calif. Filed Jan. 21, 1928. Serial No. 248,532. 2 Claims. (Cl. 224-29.)



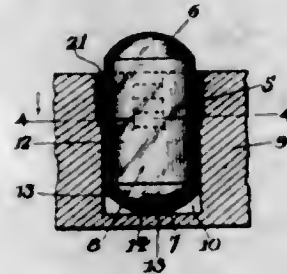
1. A device for the purpose set forth, comprising a substantially U-shaped member designed to be hitched to the rear of the vehicle, a second substantially U-shaped member having a depending portion which is fixed to the first mentioned member, guide plates between the arms of the last U-shaped member, a screw swiveled in the outer end of the said member and threaded through the plates, means for locking the screw from turning, a tire engaging bracket carried by the lower plate, the arms of the said member having angle extensions and brackets on the lower faces thereof.

1,741,086. BASEBALL GAME. WALTER J. ZARSE, Milwaukee, Wis. Filed Dec. 7, 1928. Serial No. 324,500. 2 Claims. (Cl. 273-88.)



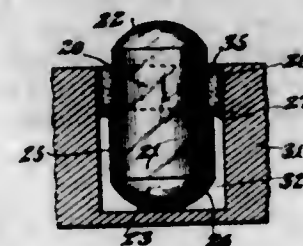
1. A device for use in a baseball game comprising a plate having a bevelled forward edge, and a rebound fence located back of said plate, said rebound fence having forwardly slanting sides located on each side of said plate and having a straight central portion located directly rearwardly of said plate.

1,741,087. REFLECTING DEVICE. LOUIS RAYMOND ZEHNDER, Louisville, Ky., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky., a Corporation. Filed May 5, 1928. Serial No. 275,534. 15 Claims. (Cl. 88-1.)



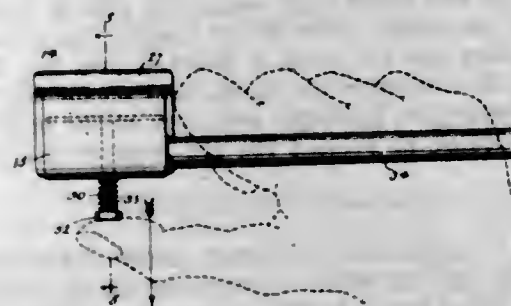
6. In a reflecting device a lens holder comprising a hollow body closed at its inner end and open at its outer end, said body formed with spaced, laterally disposed, lengthwise extending offset portions gradually increasing in width from the inner to the outer end thereof, said offset portions providing said body with spaced grooves on the inner face thereof, and said offset portions being toothed on the outer peripheries thereof.

1,741,088. REFLECTING DEVICE. LOUIS RAYMOND ZEHNDER, Louisville, Ky., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky., a Corporation. Filed May 11, 1928. Serial No. 276,997. 18 Claims. (Cl. 88-1.)



17. In a reflecting device a lens holder comprising a hollow body having a closed inner end and an open outer end, said body including an inner part and an outer part for surrounding the lens, said outer part offset with respect to and connected with said inner part and providing in connection with the lens a pocket for the reception of a means for connecting the lens to said body and for sealing said inner part, the closed inner end of said body conforming in contour to the shape of the inner end of the lens and having its inner face provided with a reflecting means, said holder for positioning in a socket of uniform diameter, and the outer diameter of said offset portion conforming in diameter to that of said socket to frictionally engage the wall of the latter to secure the holder in position.

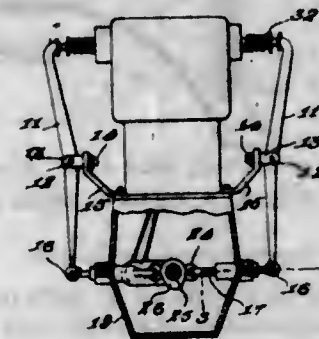
1,741,089. CONTAINER AND SERVER FOR SPREADS. JACOB ZITZERMAN, New York, N. Y. Filed May 28, 1928. Serial No. 281,347. 6 Claims. (Cl. 91-62.5.)



1. A spreading implement of the character described including a hollow receiving body for the substance to be

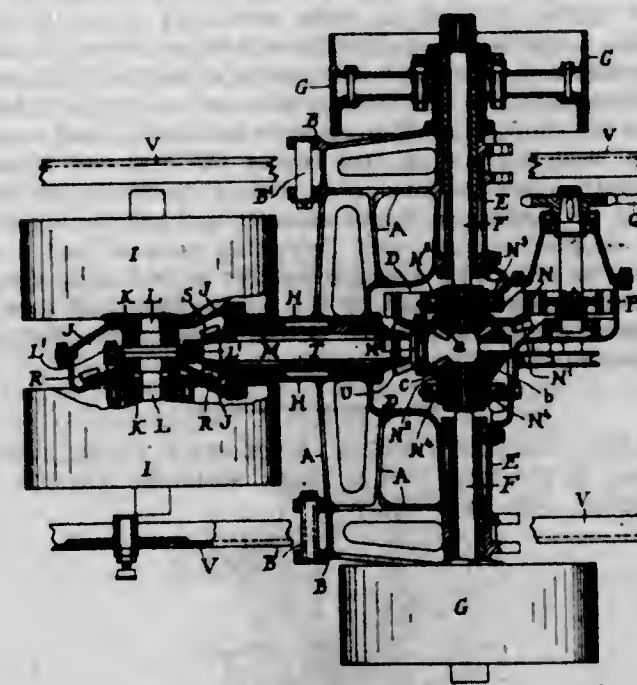
spread, a handle projecting from one side of said body, said body having an outlet extending in the same direction as the handle and transversely to the path of movement of the travel of the implement during the spreading operation and follower means within said body adapted to be manually advanced toward the outlet slot for dispensing the contents during the movement of the same over the surface being spread.

1,741,090. VALVE MECHANISM. ALEX J. ADAM, San Antonio, Tex. Original application filed Feb. 21, 1927, Serial No. 170,018. Divided and this application filed Sept. 26, 1928. Serial No. 308,561. 1 Claim. (Cl. 123-93.)



In a valve mechanism for internal combustion engines, normally seated intake and exhaust valves, a rocker arm mounted for universal pivotal movement upon opposite sides of the engine cylinder, each of said arms being adapted to have one of their ends alternately engaging an intake and an exhaust valve, lifter rods disposed radially of the engine crank shaft and having their outer ends operatively connected with the rocker arms, guide sleeves extending through the engine crank case to receive the rods, a collar slidable within each of the sleeves, means pivotally connecting the rods and collar to provide a sliding pivotal mounting for the rods, means to yieldingly resist sliding movement in one direction, and means acting upon the inner ends of the lifter rods to operate the same and actuate the rocker arms.

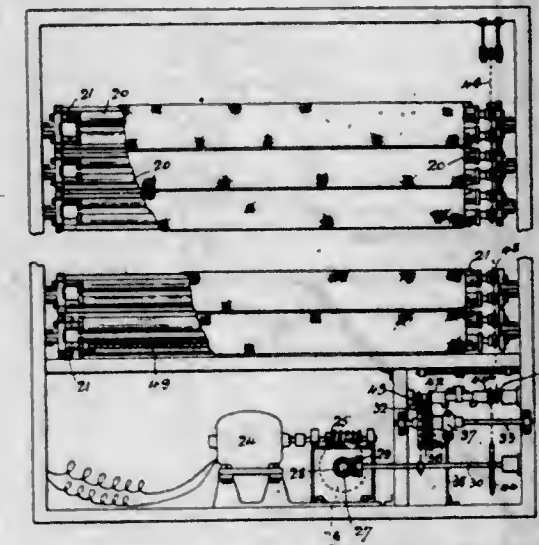
1,741,091. MECHANICALLY-PROPELLED VEHICLE. WILLIAM THOMAS BELL, Lincoln County, and FRANCIS JAMES BRETHERTON, London, England. Filed Mar. 7, 1929, Serial No. 345,114, and in Great Britain Jan. 13, 1928. 3 Claims. (Cl. 180-22.)



1. In a mechanically propelled vehicle having a chassis frame and two pairs of driving wheels and driving axles

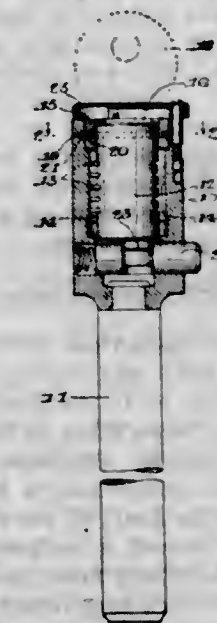
therefor spaced transversely of their axes, an axle carrying frame comprising sections carrying respectively the axles for the different pairs of wheels and having means connecting them to rotate on an axis transverse to said axles and rigidly connecting them transversely of said axis, springs supporting the chassis frame and bearing on the axle carrying frame at points between the axles for the pairs of wheels, and driving means connecting the axles for the pairs of driving wheels.

1,741,092. MACHINE FOR DISPLAYING ADVERTISING MATTER. ERNEST EDWARD BLAKE, Coburg, Victoria, Australia, assignor, by mesne assignments, to Animated-Ads (A/Sia) Proprietary Limited, Melbourne, Australia, a Body Corporate of Victoria. Filed May 25, 1927, Serial No. 194,190, and in Australia Aug. 12, 1928. 6 Claims. (Cl. 40-31.)



1. In a machine of the class described, a frame, a pair of main rollers, arranged to be driven in opposite directions, a pair of frontal free rollers, a strip of material upon which is a fragment of an advertisement, attached to said main rollers and passing over the frontal rollers, said strip being arranged relative to said main rollers to be simultaneously wound from one upon the other, a box bearing in which the main rollers are mounted, and opposite right angular projections from said frame, supporting said bearings.

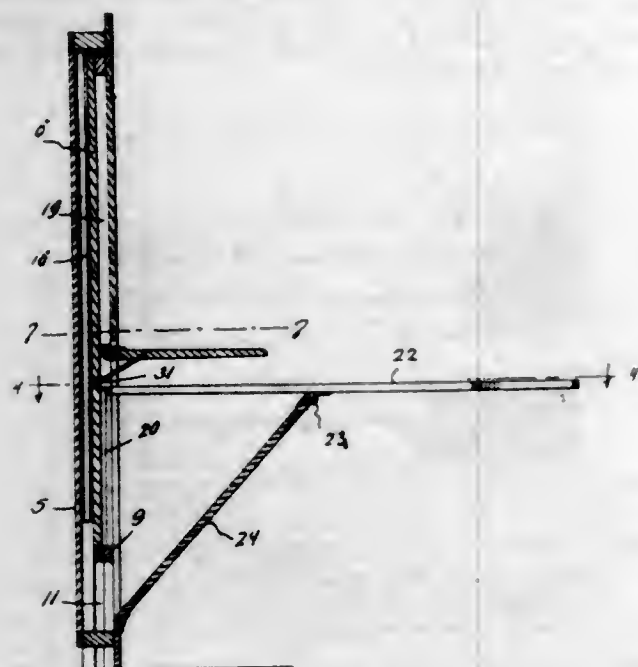
1,741,093. TUMBLER LOCK. STEPHEN F. BRIGGS, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Dec. 23, 1925. Serial No. 77,297. 7 Claims. (Cl. 70-46.)



1. In a lock, a lock-case, a lock barrel fitting therein, a cap member fixed on the lock barrel, and fitting in the

lock-case to form a rotary bearing for the lock barrel, there being registering grooves in the cap member and the lock-case, and a locking ring confined in said registering grooves permitting the cap member to turn but preventing endwise displacement thereof.

1,741,094. COMBINATION WALL TABLE AND IRONING BOARD. TOMMIE B. CHANDLER, Bakersfield, Calif. Filed Nov. 5, 1926. Serial No. 146,447. 11 Claims. (Cl. 68-10.)



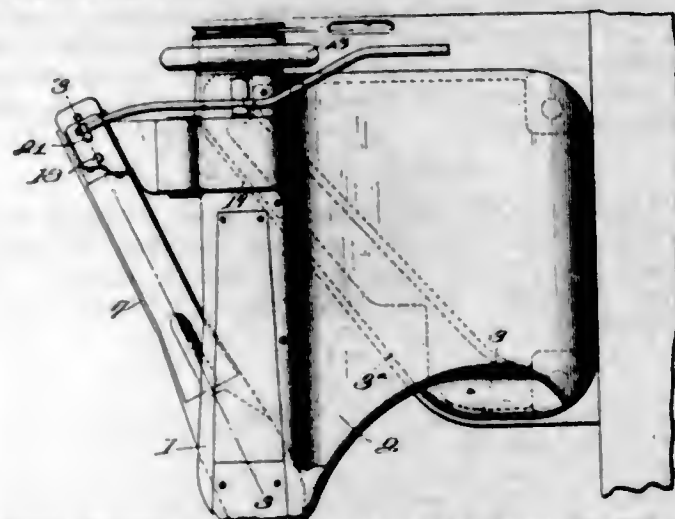
1. In a combined wall table and ironing board of the character described, an open front sided cabinet for disposition within a wall pocket, a table unit slidably and pivotally mounted at one end within the cabinet in such a manner as to permit the same to be disposed vertically within the cabinet or in horizontal position, outwardly thereof, a pair of hingedly interconnected door panels arranged within the open side of the cabinet, the lower panel being hingedly secured to the bottom of the cabinet, the upper panel being secured to the under side of the table unit, said panels cooperating to provide a support for the table unit when in horizontal position, and an ironing board unit pivotally and slidably connected at one end to the inner end of a pocket formed in the under side of said table unit.

7. A combination wall table and sleeve board comprising a cabinet, a top board, a means mounting the top board in the cabinet and permitting said top board to be moved into a horizontal position projecting from the cabinet, a sleeve board, and means detachably secured to the top board and supporting the sleeve board when the top board is in vertical position in the cabinet.

1,741,095. FEED-OFF-THE-ARM SEWING MACHINE. NORMAN V. CHRISTENSEN and HAROLD J. LE VESCONTE, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 18, 1925. Serial No. 9,584. 30 Claims. (Cl. 112-63.)

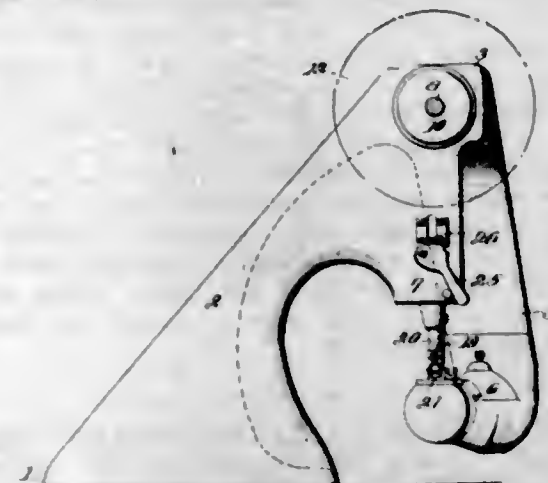
1. A sewing machine comprising a horizontal support adapted to carry the main shaft of the machine, a depending member at one end thereof, a work supporting arm carried by and projecting laterally from the lower end of said depending member, said work supporting arm being located in a vertical plane disposed at an acute angle to a plane common to said main shaft and said depending member, whereby the free end of said work supporting arm is

visible to the operator, means carried by said horizontal support for supporting the needle bar over the free end of said work supporting arm, a base on which said hori-



zontal support is mounted, said base being located substantially at one side of a vertical plane containing said main shaft.

1,741,096. FEED-OFF-THE-ARM SEWING MACHINE. NORMAN V. CHRISTENSEN, Chicago, and HAROLD J. LE VESCONTE, Maywood, Ill., assignors to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1927. Serial No. 202,878. 14 Claims. (Cl. 112-63.)



1. A sewing machine comprising a supporting base having an overhanging bracket, a sewing machine unit supported at the outer end of said bracket including an upper frame member, a main actuating shaft located therein, a needle bar carried by said upper frame member and positioned for reciprocation directly beneath said main actuating shaft, an eccentric member carried by said shaft, means for connecting said eccentric member to said needle bar, a work supporting arm having the free end thereof terminating beneath the needle bar, a depending member carried by said upper frame member and suspending said work supporting arm, said depending member and work supporting arm being disposed relative to said upper frame member so that the end of the work supporting arm is visible to the operator when sitting at the suspended end of the arm and in line therewith.

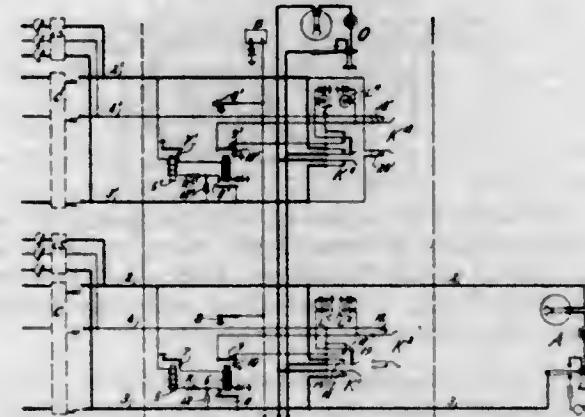
1,741,097. CASKET LATCH. WYCLIFFE L. CLARK, Jamestown, N. Y. Filed Dec. 1, 1926. Serial No. 151,877. 5 Claims. (Cl. 292-304.)



1. A casket latch comprising two elements, one element including a projection having a forwardly projecting toe

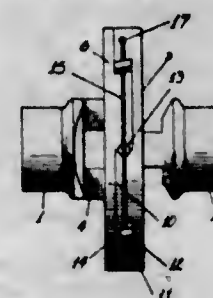
and a rearwardly projecting heel, and the other element comprising a plate having a slot through which the projection on said first named element extends, and a lever pivotally attached to the underside of said plate, which lever when closed bears against the heel of said projection to latch said elements together.

1,741,098. TELEPHONE SYSTEM. THOMAS F. CROCKER, Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Apr. 28, 1927. Serial No. 187,223. 15 Claims. (Cl. 179-27.)



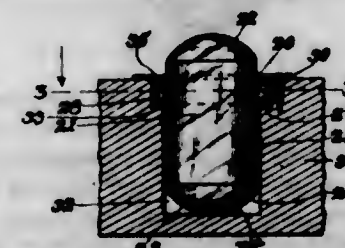
1. In a telephone system, a line terminating in a line-switch and accessible in the banks of connectors, said line comprising talking conductors and a release conductor, a ringing relay for said line controlled over the talking conductors, and a signal for said line controlled over the release conductor.

1,741,099. UNIVERSAL JOINT. JASPER NEWTON CURLEE, Little Rock, Ark., assignor of one-half to Harry Scher, Little Rock, Ark. Filed Dec. 26, 1928. Serial No. 328,391. 2 Claims. (Cl. 64-102.)



1. A universal joint comprising a pair of shaft connections, a ring member formed of two sections, each section having recesses therein which form bearing openings when the sections are placed together for receiving the pintles of the shaft connections and means for automatically moving the ring sections relative to each other to take up wear between the bearing openings and the pintles.

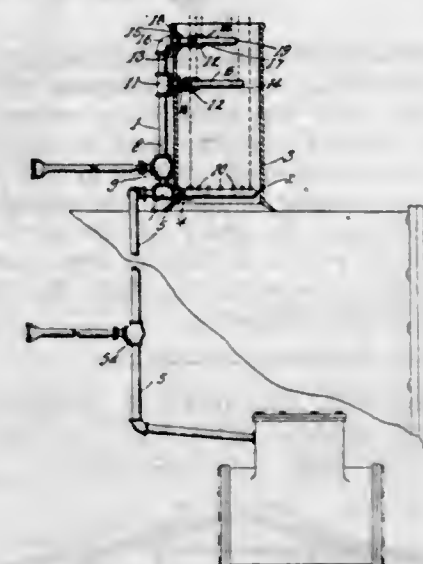
1,741,100. REFLECTING DEVICE. HERMAN FREDERICK DELMANHORST, Louisville, Ky., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky., a Corporation. Filed May 11, 1928. Serial No. 276,998. 5 Claims. (Cl. 88-1.)



1. In a reflecting device a lens holder of less length than the lens mounted therein, said lens holder including a

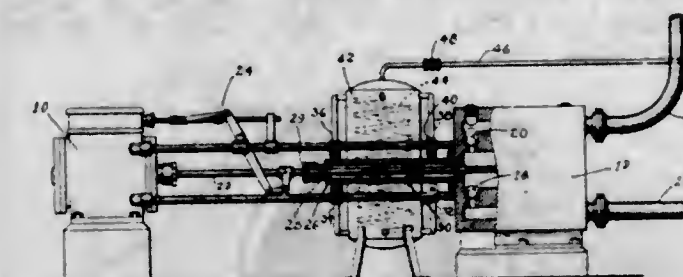
hollow body portion having a closed inner end and an open outer end, said body having a part thereof for snug engagement with a part of the lens, the other part of said body offset with respect to the lens and providing in connection therewith a pocket for the reception of a means for connecting the lens to said body and for sealing that part of the body which snugly engages the lens, the closed inner end of said body being of convex contour and having its inner face provided with a reflecting means, that part of said body for snug engagement with the lens being of materially greater length than that part of said body offset with respect to the lens, said offset part of said body being flanged at its outer end.

1,741,101. BLOWER AND SMOKE CONSUMER. GIOVANNI DINARDO, Philadelphia, and JOHN CEFFARATTI, Darby, Pa., Filed Apr. 2, 1928. Serial No. 266,810. 2 Claims. (Cl. 230-96.)



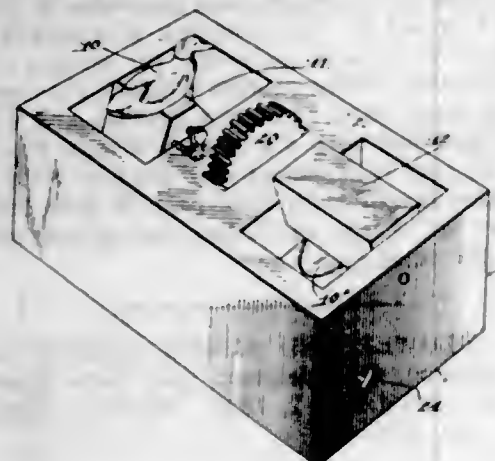
1. A blower and smoke consumer for a stack, comprising a blower section within the stack adjacent its base, said blower section having connections with a steam supply, upper blower and smoke consumer sections within the stack adjacent its top having operative connections with the source of steam supply, and means intermediate the upper blower and smoke consumer sections and the base section, whereby the steam may be cut off from the upper blower and smoke consumer sections, said blower and smoke consumer sections decreasing in diameter from the base section to the uppermost section, whereby a plurality of cylindrical forms of steam sprays one within the other may be discharged through the stack.

1,741,102. PUMP. ANDREW T. DUDLEY, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 9, 1927. Serial No. 238,749. 6 Claims. (Cl. 103-202.)



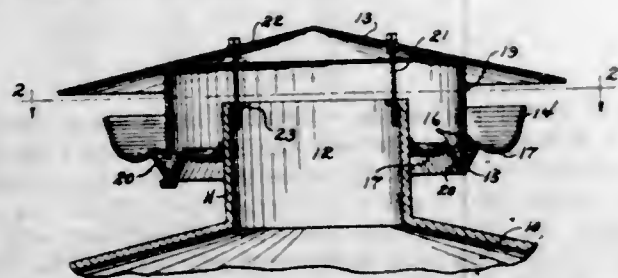
1. The combination with a hot oil pump having an auxiliary cylinder adjacent the fluid end of the pump and through which the reciprocating piston rod of the pump extends, of a container for a fluid cooling medium, a plurality of pipes connecting the upper and lower portions of the container with the auxiliary cylinder, and means for circulating the cooling medium from the lower portion of the container through the auxiliary cylinder to cool the piston rod and then returning said cooling medium directly to the upper portion of said container.

1,741,103. FIGURE TOY. EDWARD E. FRANCE, Holyoke, Colo. Filed Dec. 13, 1927. Serial No. 239,763. 2 Claims. (Cl. 46-40.)



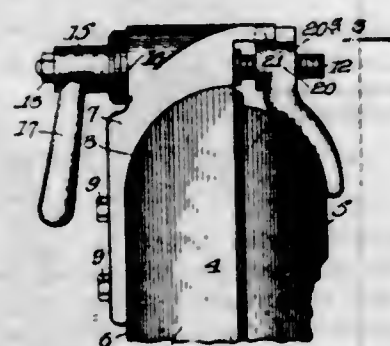
1. A toy comprising a casing, a shaft mounted in said casing and adapted to be rotated, a weighted figure loosely mounted on said shaft, the figure being overbalanced by the weight and thereby normally held in upright poised position, and cooperating means carried by said figure and shaft whereby the weight is raised and moved past the vertical plane through the shaft on the turning of the shaft to cause said weight to tip and drop quickly down by gravity whereby operating to right the figure and swing it into upright position.

1,741,104. TANK-SEALING DEVICE. EMERY G. FRIEDMAN, Tampico, Mexico. Filed Nov. 25, 1927. Serial No. 235,690. 2 Claims. (Cl. 220-45.)



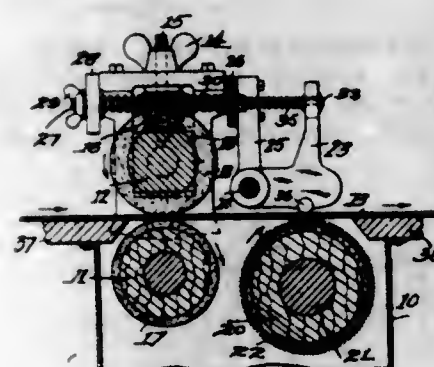
1. In combination with a container having a breather opening surrounded by a flange, a trough extending around the flange below the opening, a channel extending around the bottom of the trough and having its upper edges above the bottom of said trough, a liquid within the channel, a canopy spaced above the breather opening, a skirt carried by the canopy and extending downwardly within the liquid, means to adjust the skirt within the channel, and passages providing communication between the channel and the remaining portion of the trough.

1,741,105. SPARE-TIRE COVER. EDWARD G. GLICK, Chicago, Ill. Filed July 9, 1927. Serial No. 204,472. 19 Claims. (Cl. 150-54.)



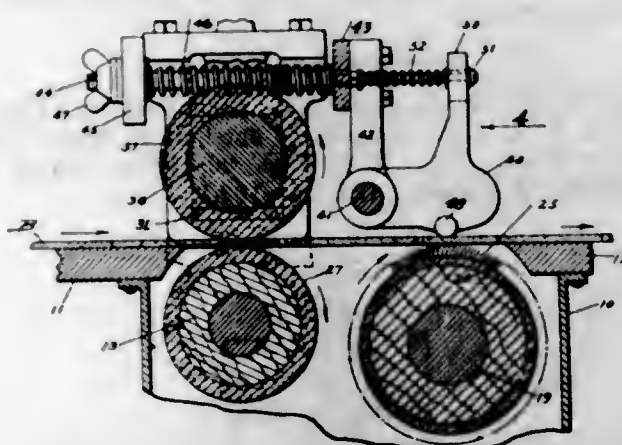
1. A tire-cover comprising a cover-member adapted to be applied to a face of the tire, and clamps including a rotatable and a longitudinally displaceable element operatively supported by said member and adapted to engage the rear portion of the tire.

1,741,106. METHOD OF PREPARING LEATHER BELTING FOR GLUING OR CEMENTING. WINFRED S. GRIFFITH, Worcester, Mass., assignor to Graton & Knight Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 14, 1928. Serial No. 277,751. 5 Claims. (Cl. 69-21.)



1. The method of preparing belts for gluing or cementing which consists in causing the fleshy material on the belt to extend loosely therefrom, cutting off said projecting fleshy material, and thereafter uniformly roughening the flesh side of the belt.

1,741,107. LEATHER-SCRATCHING MACHINE. WINFRED S. GRIFFITH, Worcester, Mass., assignor to Graton & Knight Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 14, 1928. Serial No. 277,752. 8 Claims. (Cl. 69-1.)



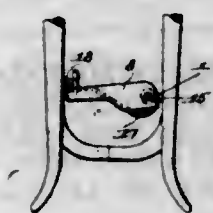
1. A belt scratching machine comprising feeding mechanism, a scratching cylinder provided with a great number of stiff outwardly projecting teeth of substantially uniform length, and means to press against said scratching cylinder at substantially uniform pressure the flesh side of all portions of a belt fed through said machine, said pressure being substantially independent of minor variations in belt thickness.

1,741,108. CLOSURE FOR CONTAINERS. JOSEPH HARRY GROVER, Baltimore County, Md. Filed Aug. 10, 1928. Serial No. 298,717. 7 Claims. (Cl. 215-44.)



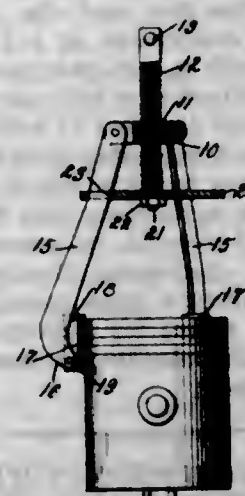
1. In combination in a closure for containers, a closure member having an inwardly disposed pitchless flange at its lower end, said flange being interrupted at one point only, and the neck of the container having a single pitchless thread thereon interrupted at one point only and having relatively short inclined cam surfaces on its ends at the interruption, said pitchless flange and thread being adapted to cooperate when the closure member is turned while in contact with the neck to effect the closure.

1,741,109. LATCH FOR PIVOTED HANDLES. WILLIAM GLOCK HEIMERDINGER, Louisville, Ky., assignor to W. C. Heimerdinger Company, Louisville, Ky., a Corporation of Kentucky. Filed Aug. 29, 1927. Serial No. 218,254. 2 Claims. (Cl. 80-13.)



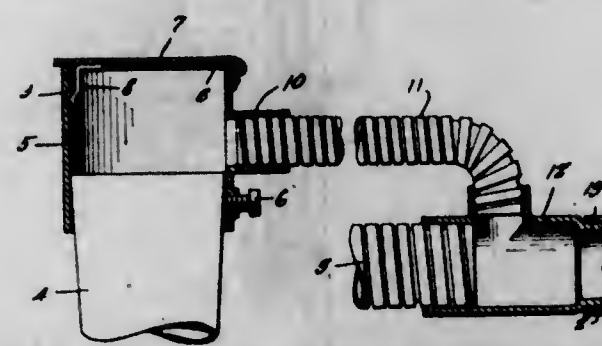
1. In combination a pair of oppositely movable handles, a keeper carried by one of the handles, and a latch element pivotally mounted upon the other handle and engageable with the keeper, the latch element consisting of a length of sheet metal bent into channel-shaped formation and having an intermediate longitudinally curved resilient portion struck out therefrom and having its free end bearing against one of the handle members and normally urging the latch element to a position to lie parallel to such handle member.

1,741,110. PISTON-RING SETTER. PAUL W. HEINRICH, Grosse Pointe Park, Mich. Filed Jan. 23, 1929. Serial No. 334,573. 3 Claims. (Cl. 29-86.4.)



1. A tool comprising a plate having a centrally disposed and tapered opening, a shaft member exteriorly threaded and adjustably mounted within the opening in said plate, arms carried by the plate, a disk having swivel connection with one end of the shaft, and said disk having portions removed to accommodate said arms to facilitate relative expansion and contraction of the free ends thereof.

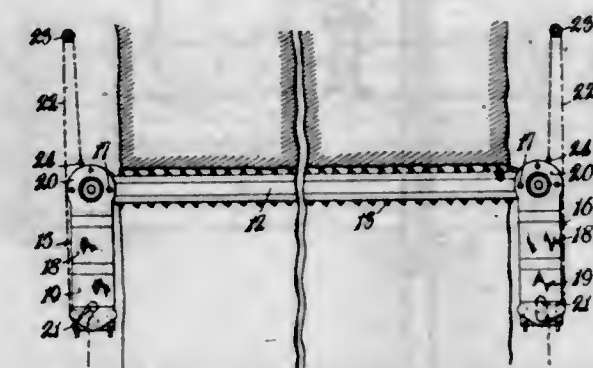
1,741,111. CRANK-CASE VENTILATOR. JOSEPH E. HINES, Latrobe, Pa. Filed June 4, 1928. Serial No. 282,769. 1 Claim. (Cl. 220-55.)



A cap designed to be arranged over the mouth of the breather tube of an internal combustion engine, comprising a tubular member, a binding element for holding the member on a breather pipe, said member having at its

top an inwardly directed flange, said member having the wall of its bore, opposite the last mentioned flange integrally formed with a substantially V-shaped enlargement, a cover member hingedly secured to the cap at the flanged portion of the mouth thereof, a spring catch fixed on the inner face of the cover member having an angle portion to engage with the V-shaped lug in the cap, said cap having a side opening for the reception of a pipe member, and a flange surrounding this opening.

1,741,112. MINING APPARATUS. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 12, 1925. Serial No. 14,917. 18 Claims. (Cl. 262-28.)

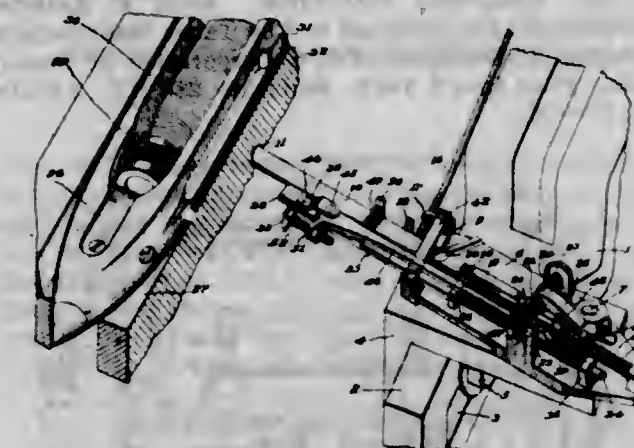


18. A mining apparatus comprising spaced transportable supports slidable on their bottoms directly on the mine bottom during the cutting operation, feeding means for said supports, and cutting mechanism carried by said supports including a movable cutting device and an elongated rigid guide for said cutting device along which the latter is movable, said guide extending from one support to the other and wholly supported on said supports at its ends.

1,741,113. GAS PURIFICATION. DAVID L. JACOBSON, Pittsburgh, Pa., assignor to The Koppers Company, a Corporation of Delaware. Filed Jan. 11, 1927. Serial No. 160,529. 11 Claims. (Cl. 23-3.)

1. The process of purifying a gas from hydrogen sulphide and analogous impurities which comprises washing the gas with an alkaline absorbent liquid containing a manganese compound.

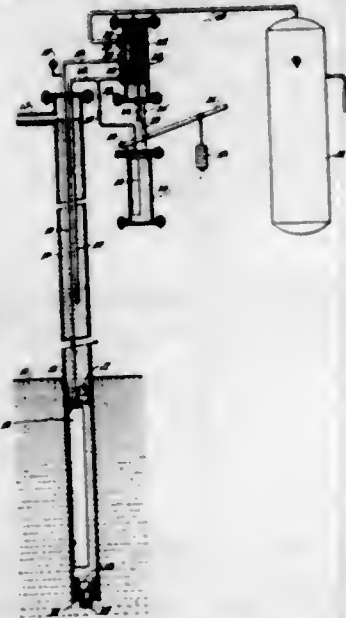
1,741,114. FEELER MECHANISM FOR LOOMS. PATRICK KERRIGAN, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 23, 1929. Serial No. 357,557. 9 Claims. (Cl. 139-270.)



1. In a feeler mechanism for looms, the combination of a first feeler member mounted for movement towards and from the front of the loom and in a direction longitudinally of the shuttle, a catch for holding the feeler in a front position, a second feeler member mounted to enter the shuttle on detecting beats and to be moved frontwardly

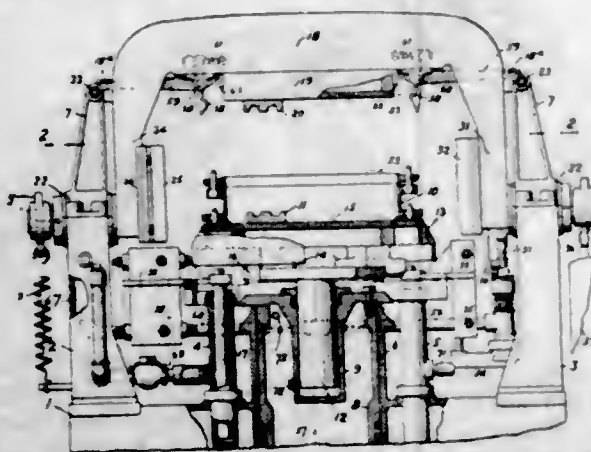
by the filling, a trip mounted on the second feeler and moved into operative position by a part on the lay when the second feeler detects a near approach to substantial exhaustion of filling and to trip the catch by its forward movement and permit the first feeler member to move to filling feeler position.

1,741,115. PUMPING SYSTEM. WILLIAM C. PARRISH, Port Arthur, Tex. Filed Sept. 28, 1922. Serial No. 591,040. 1 Claim. (Cl. 103-231.)



In well pumping apparatus, a conduit comprising an inlet section and an outlet section, means for admitting fluid into said inlet section, a check valve between said inlet and outlet section, a valve chamber, a main supply pipe connecting a source of pressure with the valve chamber, a pressure pipe connecting the valve chamber and the inlet section of the conduit, a residual pressure pipe connecting the valve chamber and the outlet section of the conduit, a valve in said valve chamber adapted to alternately establish communication between the main supply pipe and the pressure pipe and between the pressure pipe and the residual pressure pipe, means for actuating said valve in one direction including an independent fluid filled chamber in communication with the valve chamber, and a branch pipe connecting the fluid chamber with the residual pressure pipe so that residual pressure is periodically exerted on the fluid in the displacement chamber of the fluid chamber whereby fluid is discharged from the fluid chamber into the valve casing to move the valve, and gravity actuated means for moving the valve in the other direction.

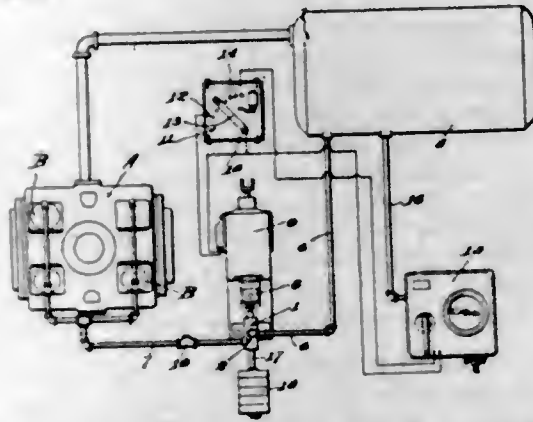
1,741,116. MOLDING MACHINE. JOHN T. RAMSDEN, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 6, 1928. Serial No. 283,227. 8 Claims. (Cl. 22-26.)



1. In a molding machine the combination of a fixed frame, a yoke swingable about a horizontal axis provided

by the fixed frame, stops on the fixed frame, power means for holding and pressing the swinging yoke in vertical position against said stops, a lower squeezing head, means for shooting the lower squeezing head upwards in respect to the yoke, and guides consisting of rails adjustable on the arms of the yoke and on the squeezing head.

1,741,117. INITIAL-STARTING UNLOADER FOR AIR COMPRESSORS. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 27, 1926. Serial No. 131,852. 2 Claims. (Cl. 230-25.)



1. The combination with an air or gas compressor, unloading mechanism therefor, and the controller of the prime mover of the compressor, of a governor valve including a piston movable in one direction to cut off flow of operating fluid under pressure to said unloading mechanism and movable in another direction to admit operating fluid under pressure to said unloading mechanism, a solenoid connected to said piston for operating it to cut off flow of fluid to the unloading mechanism, said controller controlling energizing of said solenoid, the pressure fluid bleeding from said unloading mechanism through said governor valve to load the compressor upon operation of the piston by said solenoid, and means for retarding the bleeding of pressure fluid from said unloading mechanism to delay the loading of the compressor.

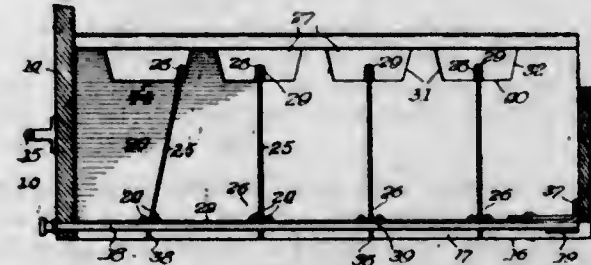
1,741,118. SIGN AND METHOD OF MANUFACTURING THE SAME. MORTIMER C. ROSENFELD, Cleveland, and FRANK E. MCCABE, Chagrin Falls, Ohio, assignors to The Grabler Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 20, 1926. Serial No. 136,451. 9 Claims. (Cl. 40-125.)



9. A device of the character described comprising a sign consisting of a channel shaped frame member bent to per-

manently embrace the periphery of the sign, a fitting embracing the abutting ends of said channel member and terminating at its lower end in a stud adapted to be secured to the upper end of a pedestal and fastening devices extending through the fitting, frame and the peripheral portion of the sign.

1,741,119. FILING DEVICE. JOSEPH CONRAD SEYL, Chicago, Ill. Original application filed Sept. 2, 1921, Serial No. 497,924. Divided and this application filed June 18, 1926. Serial No. 116,792. 22 Claims. (Cl. 129-16.)

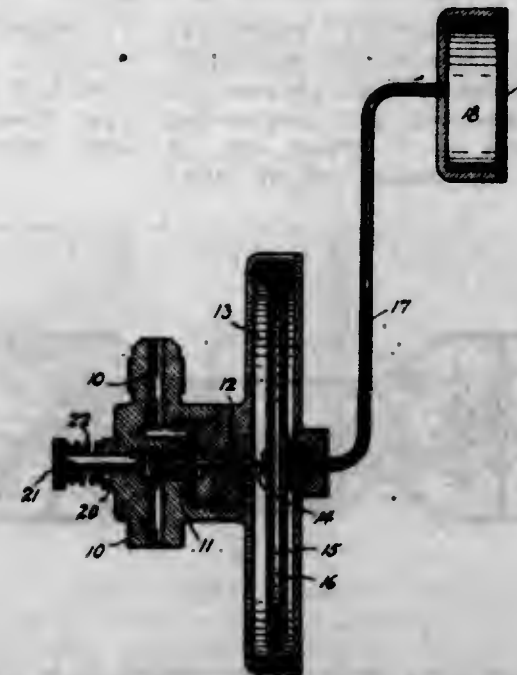


6. In a device of the character described, a sorting or filing assembly adapted to be readily removably placed in position in a receptacle, including, in combination, a plurality of partition members, supporting means therefor, and means for fixedly maintaining a portion of the supporting means of the assembly in position in the receptacle.

16. In a device of the character described, in combination, a receptacle, a filing assembly comprising partitions and side members for reception in said receptacle, said partitions and side members being composed of relatively thin strips whereby to avoid material reduction in the size of said receptacle.

20. A filing device comprising the combination with a receptacle, of a partition mounted in substantially vertical position in said receptacle, and means for supporting said partition so that one portion has pivotal and vertical movement and another portion horizontal sliding movement relative to said receptacle.

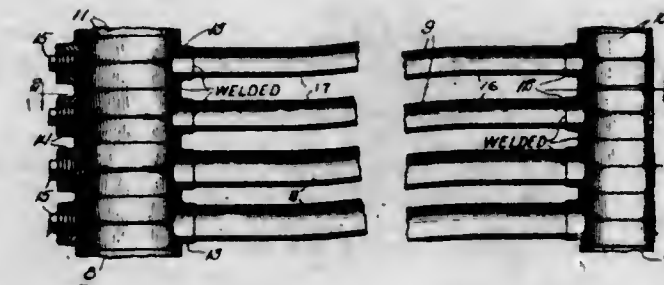
1,741,120. CONTROL. JOHN GUDBRAND TANDBERG, Lund, Sweden, assignor to Aktiebolaget Carba, Stockholm, Sweden, a Corporation of Sweden. Filed Aug. 29, 1927. Serial No. 216,469, and in Germany Sept. 2, 1926. 7 Claims. (Cl. 67-113.)



5. A safety device for a gas conduit comprising a housing, a passage through said housing, a valve arranged to close said passage, a chamber in said housing having a flexible wall, means whereby excess pressure in said chamber moves said flexible wall to close said valve but whereby said valve

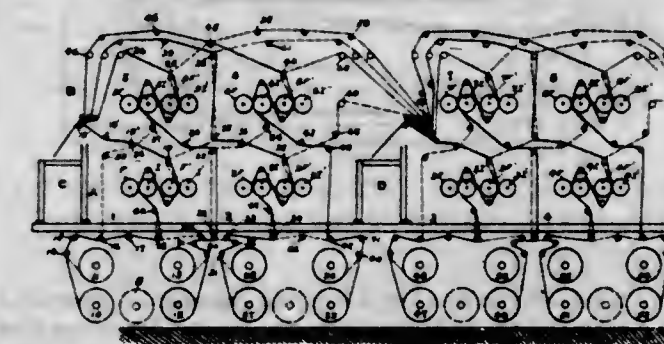
remains closed on release of the excess pressure, a chamber having a porous wall for diffusion of escaped gas, means of communication between said chambers and spring retained manual means for opening said valve, said valve being arranged to be moved in direct relation to the force exerted thereon by said flexible wall.

1,741,121. MANUFACTURE OF BOILERS. WILLIAM H. WINSLOW, Chicago, Ill., assignor to George W. Dulany, Jr., Chicago, Ill. Filed Apr. 10, 1924. Serial No. 705,484. 2 Claims. (Cl. 29-157.4.)



1. The method of making a boiler or boiler section comprising tubes and individual header sections at the ends of the tubes which includes attaching said individual header sections to the end of a plurality of said tubes, bending the tubes to a desired form adapted to bring the corresponding header sections at each end into a predetermined relation to each other, and then assembling the tubes with their attached header sections in alignment at the ends respectively of the tube aggroupments, and welding said sections together successively to form headers.

1,741,122. MULTIUNIT PRINTING MACHINE. HARRY V. BALL, Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 10, 1927. Serial No. 239,083. 12 Claims. (Cl. 270-5.)

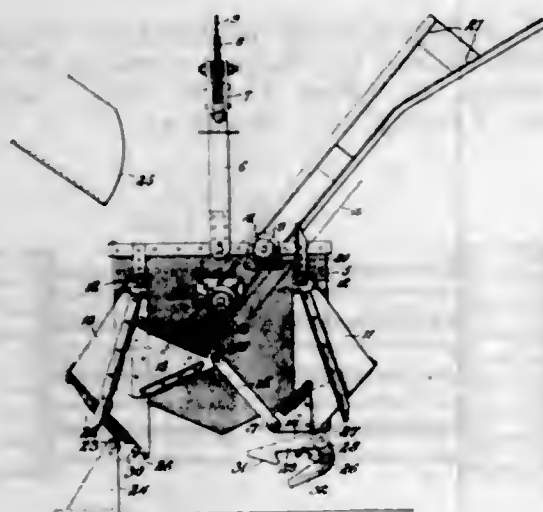


1. In a multi-unit printing machine, the combination of a plurality of units arranged in line, a plurality of units arranged in line above the first units, a web supply for each set of superposed units comprising superposed running and inactive web rolls for each unit located in a space substantially coextensive with the width of the units, and web guides for leading the webs from the running web rolls around the inactive web rolls to the respective units.

1,741,123. CONVEYER BUCKET AND MEANS FOR CLOSING THE SAME. AZEEL C. BENNETT, Hudson, N. Y., assignor to Gifford-Wood Company, Hudson, N. Y., a Corporation of New York. Filed Oct. 21, 1925. Serial No. 63,938. 16 Claims. (Cl. 214-63.)

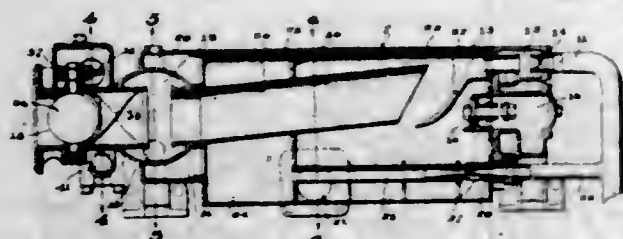
11. A traversing hoist comprising, in combination, a conveyor bucket comprising a body; said body having a pair

of opposed jaws forming the bottom thereof and having sides extending upwardly and pivoted to the sides of the body; a shaft mounted on the underside of one of the jaws and having a latch secured to each end; a bar secured to the other jaw; an abutment near the point where the



bucket is to be filled; means for guiding the bucket, as it is lowered into filling position with the jaws open, so that one of the jaws will be engaged and closed by said abutment; means for closing the other jaw at the same time; and means for causing the latches to engage said bar to lock the jaws in closed position.

1,741,124. FEED-WATER HEATER. PAUL DUGELAY, Paris, France, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Nov. 12, 1927. Serial No. 232,764. 11 Claims. (Cl. 261—34.)

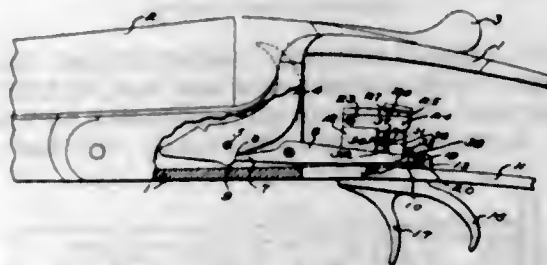


3. In a feed water heater, a heating chamber, a pump for forcing water into said chamber, an engine for operating said pump, an inlet pipe for steam into the heating chamber, a valve for controlling the flow of steam into the heating chamber, an ejector operating by exhaust steam from said engine for regulating the water level in the heating chamber, and an inlet to said heating chamber for exhaust steam from said engine located to permit the engine to exhaust into the chamber and maintain steam pressure therein when the inlet of steam through said steam inlet pipe is cut off.

1,741,125. GUN LOCK. ALBERT H. DYKES, Revere, Mass., assignor of one-half to Carroll B. Day, Boston, Mass. Filed July 30, 1927. Serial No. 209,524. 12 Claims. (Cl. 42—42.)

4. In a double-barrelled shot-gun, two triggers interconnected for movement either independently or one after and by the other, an interceptor having a rear and a forward position, spring means urging it forwardly, said interceptor in its rear position adapted to interrupt move-

ment of either trigger when it has fired its barrel, a blocking and positioning lever for said interceptor to position and hold it in readiness so to interrupt either trigger,



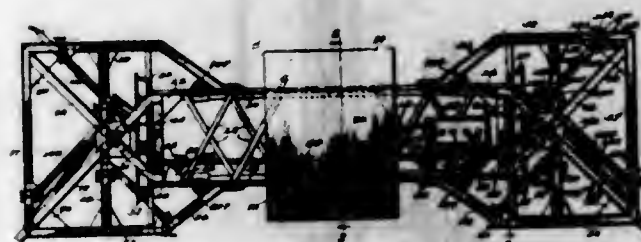
and means whereby said lever releases said interceptor to permit it to assume its forward position out of the trigger path after interrupting a trigger and after finger pressure on the latter is removed.

1,741,126. ROCK-DRILLING TOOL. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 31, 1922. Serial No. 548,485. 2 Claims. (Cl. 121—9.)



1. A drilling mechanism comprising a drilling motor having side rods for holding the parts thereof together, aligned feeding means therefor including a feed cylinder, and means for holding said cylinder and motor together including a rotatable locking member surrounding said cylinder, and cooperating locking means associated with said side rods.

1,741,127. HIGHWAY TEMPLATE CONSTRUCTION AND MAINTENANCE MACHINE. CHARLES EDWIN HAIR, Beaufort, S. C., assignor of one-half to Edgar A. Brown, Barnwell, S. C., and one-half to Fay Ullem Hair, Charleston, S. C. Filed Aug. 13, 1928. Serial No. 299,366. 30 Claims. (Cl. 37—108.)

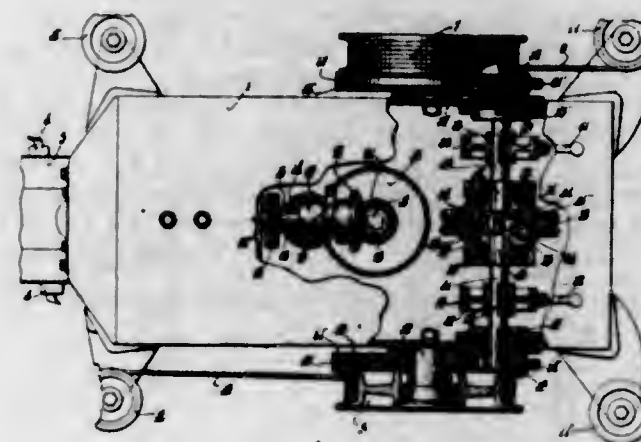


20. A low slung main frame adapted to be disposed lengthwise across a roadbed, auxiliary frames projecting from each end of the main frame and co-operating shoulder treating elements carried by the auxiliary frames and projecting outwardly from the ends of the main frame, and means supporting the main frame for transportation over the roadbed.

1,741,128. REACTIVE PACKING FOR METALLURGICAL REFRACTORIES. CHARLES SAMUEL HOLLANDER, Philadelphia, and EDWARD LESLIE HELWIG, Bristol, Pa. Filed Feb. 6, 1929. Serial No. 338,021. 2 Claims. (Cl. 266—15.)

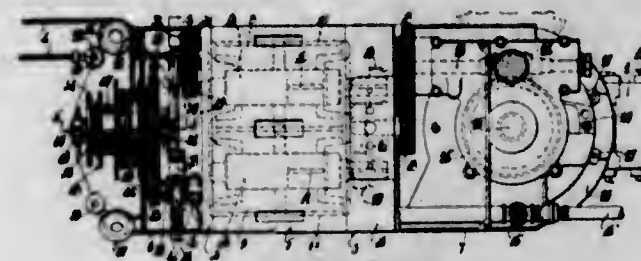
1. The process of blocking egress of a charge in case of a refractory failure of a crucible or retort by surrounding the crucible or retort with a packing which will react chemically with the contents to form a plastic mass at the prevailing temperature.

1,741,129. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 13, 1922. Serial No. 529,068. Renewed June 3, 1929. 62 Claims. (Cl. 262—30.)



26. The combination with a mining machine having cutting mechanism, of a feed operating member therefor adapted to cooperate with flexible means extending in advance of the machine in effecting lateral feeding during the cutting operation, worm gearing for driving the same, and a plurality of independently operable friction means adapted to control rotation of said member.

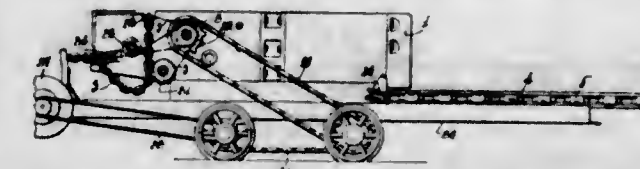
1,741,130. MINING MACHINE. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 6, 1923. Serial No. 643,617. 71 Claims. (Cl. 262—30.)



71. A longwall mining machine comprising cutting mechanism including a pivoted cutter bar at one end thereof, feeding mechanism including a plurality of feed operating members each disposed on an axis extending longitudinally of the machine and disposed at the end of the machine remote from said bar pivot, a horizontal motor having its axis extending longitudinally of the machine and disposed between said mechanisms and having its opposite ends respectively operatively connected thereto, and flexible feeding means adapted to cooperate directly with different feed operating members.

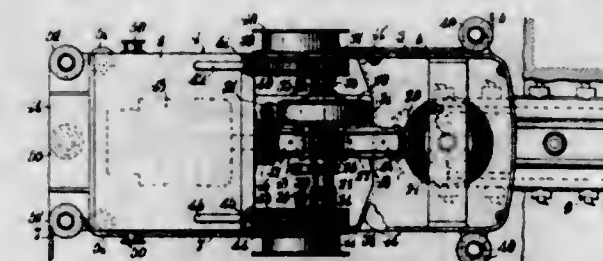
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1,741,131. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 18, 1923. Serial No. 646,007. 42 Claims. (Cl. 262—30.)



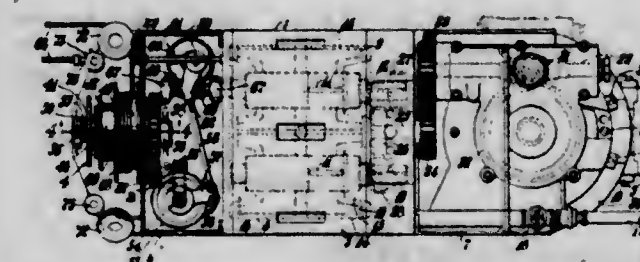
1. In a mining machine, a motor, and feeding mechanism driven thereby to move said machine bodily during cutting including a feed operating member and a flexible feeding member cooperating therewith and having a portion constantly lying on the top of said machine frame.

1,741,132. MINING MACHINE. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 16, 1923. Serial No. 651,830. Renewed July 19, 1929. 59 Claims. (Cl. 262—30.)



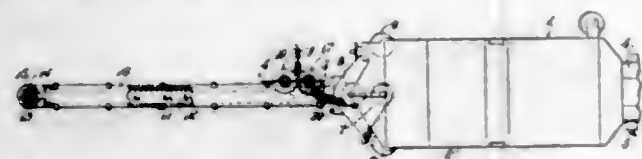
1. In a mining machine, a horizontal motor comprising a frame housing power producing means and providing a surface slidably engageable with the mine bottom during cutting, the vertical dimension of said motor frame being substantially only that requisite to the power producing function of said motor and substantially determining the height of the machine, said motor having its power shaft horizontally disposed and extending longitudinally of the machine, cutting mechanism driven by said motor and comprising a cutter bar whose uppermost and lowermost portions lie in planes parallel to a plane parallel to said bottom engaging frame surface and intersecting said motor, and feeding mechanism including a plurality of relatively rotatable winding drums driven by said motor.

1,741,133. MINING MACHINE. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Original application filed June 6, 1923, Serial No. 643,617. Divided and this application filed June 23, 1925. Serial No. 39,127. 31 Claims. (Cl. 262—30.)



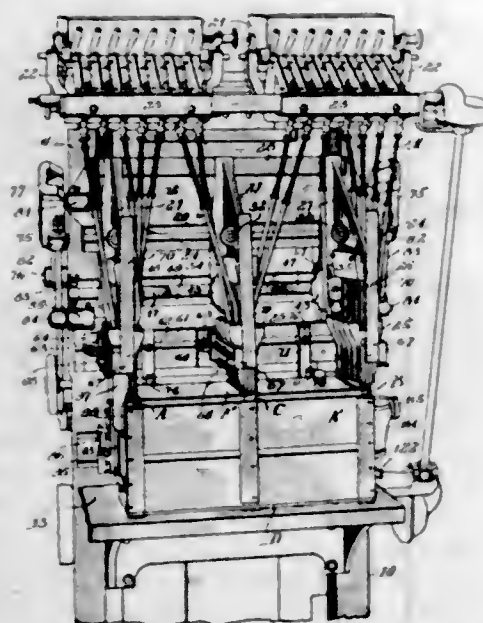
1. In a mining machine, in combination, a horizontal motor, a feed operating member rotatable on a horizontal axis extending longitudinally of the machine and adapted to cooperate directly with flexible feeding means, and operative driving connections between one end of said motor and feed operating member for transmitting rotation to the latter at a cutting speed including a plurality of worms and a variable speed transmission mechanism between said worms, one of said worms being driven by said other worm through said transmission mechanism.

1,741,134. MINING MACHINE. CHARLES B. OFFICER, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 1, 1927. Serial No. 165,201. 17 Claims. (Cl. 262—30.)



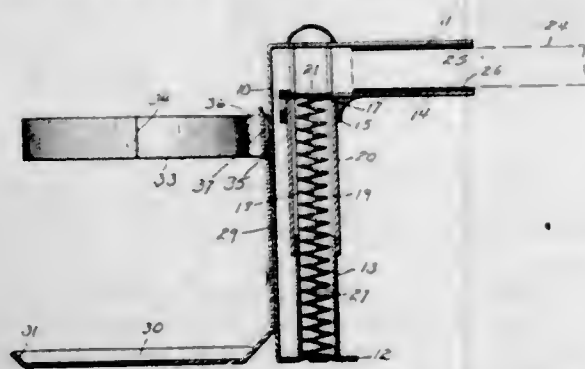
12. The combination with a mining machine including a machine frame slidable on its bottom on the mine bottom, a cutter bar projecting from said frame, and feeding means for normally feeding the machine bodily laterally during cutting including a terminal element adapted to cooperate directly with flexible feeding means, of supplemental positive feeding means for the machine for feeding the latter bodily over the mine bottom operated by said terminal feeding element of said first mentioned feeding means.

1,741,135. NAILING MACHINE. HENRY W. MORGAN, Rochester, N. Y. Filed Aug. 6, 1928. Serial No. 297,801. 34 Claims. (Cl. 1—10.)



1. In a nailing machine, a frame, a work support, a plurality of work engaging nail guiding devices, nail driving elements associated with said guiding devices, and operating means for the driving elements including a plurality of parts adapted in a given cycle of operations to be automatically shifted to and from a predetermined relationship whereby to vary the position of the driving elements to compensate for work pieces of different thicknesses.

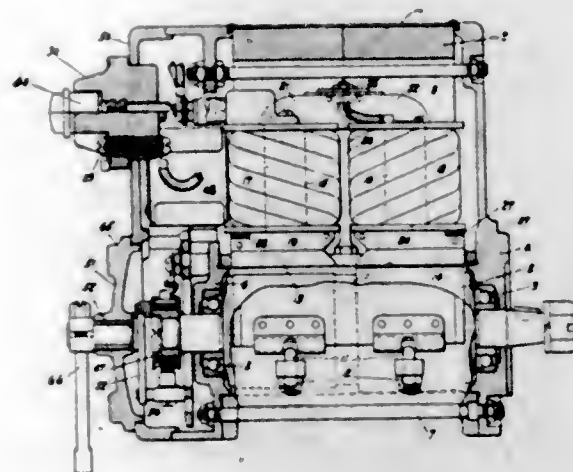
1,741,136. CARD-TABLE TRAY. HENRY R. NAYLOR, Derby, Conn., assignor to The H. A. Matthews Mfg. Co., Seymour, Conn., a Corporation. Filed June 14, 1927. Serial No. 198,724. 10 Claims. (Cl. 45—75.)



10. As a new article of manufacture, a card-table tray comprising a vertically depending suspension-member pro-

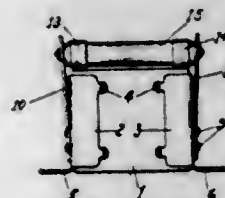
vided at its upper end with attaching-means for securing it to a table and provided at its lower end with a horizontally-offsetting tray; a guard-receiving socket located upon the said vertical suspension-member at a point above the said tray and below the said attaching-means; and a drinking-glass guard adapted to engage the said socket and to be supported thereby in spaced relation above the said tray.

1,741,137. MAGNETO-ELECTRIC GENERATOR. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splittdorf Electrical Company, Newark, N. J. Filed Apr. 22, 1924. Serial No. 708,138. 4 Claims. (Cl. 171—209.)



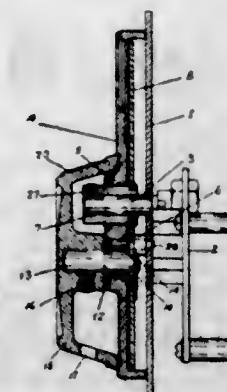
3. In a magneto electric generator, a primary magnetic field structure, a stationary secondary magnetic field structure composed of a pair of pole pieces and a two part core structure mounted on said pole pieces and provided with means for holding said core structure together and to said pole pieces, a rotor movable between said two field structures for producing flux changes in the secondary field structure, a primary winding on each part of core structure, an independent set of breaker contacts for controlling the said primary winding on each part of the core with an associated condenser and a secondary winding on each part of the core structure and adapted to be connected each to its own distributor.

1,741,138. COMBINATION CONDENSER AND RESISTANCE UNIT. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splittdorf Electrical Company, Newark, N. J. Filed Feb. 17, 1925. Serial No. 9,783. 7 Claims. (Cl. 250—16.)



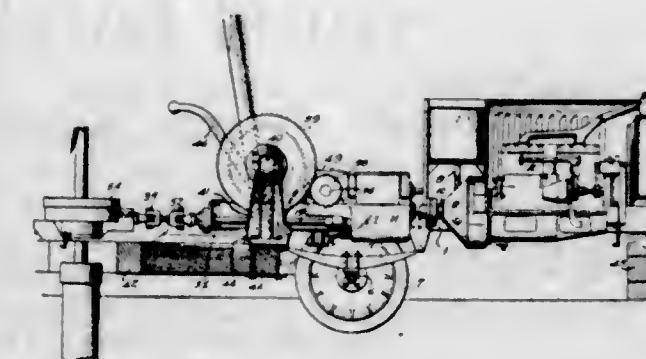
1. In a combination device of the class described, a condenser stack held together by clamping members, auxiliary apparatus terminals attached to the back of said clamping members and extending longitudinally of said clamping members and beyond the condenser stack.

1,741,139. DIAL FOR RADIO RECEIVING SETS. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splittdorf Electrical Company, Newark, N. J. Filed Apr. 12, 1928. Serial No. 269,334. 4 Claims. (Cl. 116—124.3.)



1. A radio apparatus comprising; a driven member embodying therein a rotary friction disc carrying indicia and a friction spring member fastened to said disc, a driving member engaging the adjacent faces of said disc and spring member and adapted to impart a rotary motion thereto, and means for changing the point of contact of the driving member with at least the said spring member whereby the effective ratio between said driving member and driven member is varied.

1,741,140. ROTARY RIG. HARRY PENNINGTON, Houston, Tex. Filed Apr. 6, 1925. Serial No. 21,081. 6 Claims. (Cl. 255—19.)



1. In a rotary rig comprising a source of power, the combination of a rotary member operatively connected to said source of power, a pump operatively connected to said source of power, and means for varying the speed ratio of either of said members and said source of power independently of the other member.

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CONTENTS

	Page
ISSUE OF DECEMBER 31, 1929.....	997
ADVERSE DECISIONS IN INTERFERENCE.....	997
ADJUDICATED PATENTS.....	997
INTERFERENCE NOTICE.....	997
NOTICE OF CANCELLATION.....	997
APPLICATIONS UNDER EXAMINATION.....	998
DECISIONS OF THE U. S. COURTS—	
In re Wolf.....	999
In re Daniel.....	1000
In re Magnus.....	1000
PATENT SUITS.....	1002
TRADE-MARKS PUBLISHED (268 APPLICATIONS).....	1008
TRADE-MARK REGISTRATIONS GRANTED.....	1035
TRADE-MARK REGISTRATIONS RENEWED.....	1045
LABELS.....	1047
PRINTS.....	1048
REISSUES.....	1049
DESIGNS.....	1051
PATENTS GRANTED.....	1051

Issue of December 31, 1929

Trade-Marks.....	153—No. 254,473 to No. 254,484, inclusive.
T. M. Renewals.....	86
Labels.....	43—No. 33,330 to No. 33,332, inclusive.
Prints.....	8—No. 12,270 to No. 12,277, inclusive.
Reissues.....	10—No. 17,549 to No. 17,549, inclusive.
Designs.....	43—No. 80,211 to No. 80,253, inclusive.
Patents.....	1049—No. 1,741,141 to No. 1,742,180, inclusive.
Total.....	1,393

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 1,679,812, G. E. Landt, Synthetic resin and method of making same, decided November 20, 1929, claims 1 to 12, inclusive.

Pat. 1,685,971, J. D. Adams, Screen-setting apparatus, decided November 12, 1929, claim 3.

Pat. 1,696,718, Kuhlmann and Kuhlmann, Washing machine, decided December 12, 1929, claims 1 to 7, inclusive.

Pat. 1,702,240, P. G. Andrea, Sound-reproducing device, decided November 22, 1929, claims 1, 2, 3, and 9.

Final decisions in interference have been rendered against the following trade-marks:

T. M. 133,213, Fresh citrous fruits, Lindsay District Orange Co., Lindsay, Calif. Registered April 22, 1924. Decided December 6, 1929.

T. M. 249,939, Canned salmon, Kadiak Fisheries Company, Seattle, Wash. Registered November 27, 1928. Decided December 11, 1929.

Adjudicated Patents

(C. C. A. Del.) Laurent patent, No. 858,188, for hand fire-extinguishing apparatus, Held not infringed. *Poom-its-Ohlde Corporation v. Pyrene Mfg. Co.*, 35 F. (2d) 287.

(D. C. Ohio.) Melkle patent, No. 1,182,290, for rectifier and the method of operating the same, claims 3, 4, 5, 7, and 8 Held valid and infringed. *General Electric Co. v. Electrical Parts Co.*, 35 F. (2d) 384.

(D. C. Ohio.) Melkle patent, No. 1,266,517, for rectifier, Held valid and infringed. *Id.*

(D. C. Ohio.) Friederich patent, No. 1,398,520, for inclosed arc device and the method of starting the same, claims 1, 6, 8, and 9 Held valid and infringed. *Id.*

(C. C. A. Ga.) Coulter patent, No. 1,671,855, for bunch builder for spinning machines, Held not infringed. *Coulter v. Eagle & Phenix Mills*, 35 F. (2d) 268.

Interference Notice

U. S. PATENT OFFICE, Washington, Dec. 10, 1929.

The Jos. Gentile Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. & G. Emerson, 3211 Tulare Street, Fresno, Calif. (doing business at Fresno and Modesto, Calif.), for registration of a trade-mark and trademark registered December 29, 1925, No. 207,280, to The Jos. Gentile Company, 1231 East Seventh Street, Los Angeles, Calif., and a notice of such declaration sent by registered mail to said The Jos. Gentile Company, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Jos. Gentile Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, Washington, D. C., Dec. 2, 1929.

The Orchardale Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of the New England Vinegar Works, Inc., 48-56 Washington Street, Somerville, Mass., to effect the cancellation of trade-mark registration No. 142,043, issued May 3, 1921, to Howard P. Miller, 8433 Wiswell Avenue, Cincinnati, Ohio, which registration, the assignment records of the Office show, has been transferred to The Orchardale Company, 8433 Wiswell Avenue, Cincinnati, Ohio. The notice of such proceeding sent by registered mail to The Orchardale Company at the said address having been returned by the post-office as undeliverable, notice is hereby given that unless The Orchardale Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business December 20, 1929

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Handling and Hoist Line Implements.	Apr. 19	Apr. 24	1,356
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Apr. 12	Apr. 6	1,967
331	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment.	Mar. 6	July 24	1,420
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus; Excavating.	May 9	May 17	1,379
108	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Apr. 4	Apr. 5	1,505
318	6. LEWERS, A. M., Carbon Chemistry; Dyeing; Explosives; Sugar and Starch.	Feb. 13	Feb. 23	3,138
106	7. JARROE, C. G., Optics; Photography.	Mar. 28	Apr. 4	2,411
133	8. HENRY, C. C., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets.	Apr. 4	July 24	1,380
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors.	May 15	May 22	1,783
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops.	Mar. 27	Apr. 19	1,696
148	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Aug. 1	Aug. 28	811
330	12. PIERCE, P. P., Machine Elements.	Apr. 23	Apr. 17	1,618
154	13. CLIFT, J. W., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Apr. 24	Apr. 29	1,524
102	14. BRUMBAUGH, N. J., Farriery; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 20	May 13	1,329
320	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics.	Mar. 2	Mar. 2	2,879
242	16. SPENCER, C. J., Telegraphy; Telephony.	Apr. 1	May 16	1,326
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 23	May 4	1,597
236	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	May 8	May 2	1,480
230	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 18	Apr. 8	2,158
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	May 3	May 6	1,588
212	21. THOMPSON, T. J., Textiles; Cloth Finishing.	May 17	July 12	802
244	22. COLWELL, J. H., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Apr. 15	May 15	1,630
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers.	Mar. 5	Mar. 13	1,216
147	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 23	May 1	1,619
207	25. LIGHTFOOT, J. H., Agitating; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 9	Apr. 15	1,657
228	26. HODGES, J. S., Electricity, Generation; Motive Power.	Apr. 16	Apr. 25	1,275
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 18	Mar. 21	1,626
225	28. BENSON, A. R., Internal-Combustion Engines.	May 3	May 4	2,062
100	29. MORRIS, B. N., Woodworking; Tools; Compound Tools.	June 12	June 21	806
243	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 22	Sept. 7	1,417
312	31. HOLMES, W. N., Distillation; Gas Heating and Illuminating; Mineral Oils.	Apr. 4	Apr. 22	2,463
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation.	May 4	May 9	1,819
152	33. RYMAN, W. L., Bridges; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 22	Apr. 19	2,508
304	34. SIMPSON, G. R., Electricity, Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Apr. 5	May 4	1,231
116	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card and Sign Exhibiting; Signals; Toilet.	June 27	July 1	1,856
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Apr. 8	Apr. 8	2,283
224	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Mar. 14	Mar. 21	2,259
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Hydraulic and Earth Engineering; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 7	Mar. 22	2,022
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Mar. 8	Mar. 11	2,020
262	40. OBERLIN, J. J., Bottles and Jars; Receptacles.	Mar. 25	May 23	2,949
125	41. BROWN, J. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances.	Apr. 20	Apr. 20	1,366
223	42. CUTTING, H. O., Electric Signaling.	May 23	June 19	1,590
124	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members.	Mar. 11	Mar. 11	2,318
253	44. SHAFER, C. H., Dispensing; Filling and Closing Portable Receptacles; Refrigeration.	Mar. 14	Mar. 22	2,268
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Bearings and Guides; Spring Devices.	Mar. 1	Mar. 7	2,533
253	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Apr. 22	May 1	1,693
264	47. BARKER, H., Clutches and Power Stops; Brakes and Motors.	Feb. 26	Apr. 1	2,634
212	48. ROEPKE, O. B., Electricity, General Applications.	Apr. 16	Apr. 15	1,398
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Ventilation; Driers; Liquid Separation or Purification.	May 31	July 5	1,268
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating.	Apr. 2	Apr. 13	2,820
240	51. BACKUS, C. D., Radiant Energy, Wave Transmission.	Apr. 1	Apr. 1	2,330
144	52. MORGAN, E. T., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	May 3	May 9	2,440
201	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery, Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	July 5	July 9	1,440
241	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes.	Mar. 13	Mar. 13	2,622
102	55. BOWEN, S. T., [Designs.] Bread, Pastry, and Confection Making; Cutlery.	Nov. 20	Dec. 9	345
309	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation.	Aug. 26	Aug. 26	631
257	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 20	Mar. 20	2,371
270	58. DOWELL, E. F., Abrading; Typewriting.	Apr. 2	May 29	1,197
315	59. RICHARD, V. L., Chemistry; Alcohol; Fertilizers; Oils, Fats, and Glue; Cement and Lime; Hides, Skins, and Leather; Fuel.	Mar. 21	Mar. 25	1,360
213	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Conduits and Housings.	Mar. 18	Mar. 20	2,679
200	61. PARKS, G. E., Elevators; Winding and Reeling; Pushing and Pulling; Fire Escapes; Ladders; Scaffolds; Velocipedes; Horology; Time-Controlling Apparatus.	Apr. 3	Apr. 3	2,082
245	62. COCHRAN, W. W., Toys; Amusement Devices; Furniture; Fishing and Trapping; Baggage; Package and Article Carriers.	Mar. 23	Mar. 16	2,422
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND—{Trade-Marks—Labels and Prints.	Apr. 19	Apr. 29	2,687
		Nov. 22	Dec. 10	1,301
		Dec. 5	Dec. 7	159

*Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WOLF

No. 2,133. Decided October 4, 1929

PATENTABILITY—PROCESS OF OPERATING INTERNAL-COMBUSTION ENGINES.

A claim for a process of operating an internal-combustion engine *Held* unpatentable over the prior art, in which the principle involved was fully disclosed, and hence the advantages to be obtained by additional expansion and compression of the charge would be obvious to one of ordinary mechanical skill.

APPEAL FROM Patent Office. Affirmed.

Mr. C. P. Goepel and Mr. M. C. Lyddane for Wolf.
Mr. T. A. Hostetter for the Commissioner of Patents.

HATFIELD, J.:

This is an appeal from a decision of the Board of Appeals affirming the decision of the Examiner denying all claims in appellant's application for a patent for an alleged invention relating to a method of operating internal combustion engines.

Claims 1, 2, and 5 are illustrative. They read as follows:

1. The method of operating six-cycle internal combustion engines which consists in supplying a mixture of fuel and air to the engine cylinder, then repeatedly alternately expanding and compressing the charge within the cylinder, while maintaining a constant ratio of the fuel and air, and during such expansion and compression causing the regurgitation of the mixture whereby all parts thereof are brought into wiping contact with the heated walls of the engine cylinder to absorb the heat therefrom and convert the wet mixture into a substantially dry uniform highly heated gas, and finally exploding such highly heated gas at the peak of its final compression in the cylinder.

2. In a method of operating six-cycle internal combustion engines, retaining the charge of fuel and air of constant ratio in the engine cylinder during 720° of the crank shaft movement and thereby repeatedly expanding and compressing the charge whereby the solid particles of fuel are vaporized by the absorption of heat from the cylinder walls.

5. In a method of operating internal combustion engines, alternately expanding and compressing a gaseous charge, while maintaining a constant ratio of its constituents, a plurality of times within the engine cylinder to absorb the heat from the walls thereof and thereby cool said walls.

The object of the alleged invention is to produce in the cylinder, a uniform homogenous heated dry gas charge. This is accomplished by subjecting the charge of fuel and air to successive compressions and expansions, causing regurgitation of the mixture and bringing it in contact with the heated walls of the cylinder.

Appellant's application was rejected on an Austrian Patent, No. 82,203, to one Vokac. We quote therefrom:

The object of this invention is a method of working for internal combustion engines which consists in that after the exhaust, scavenging and compression of the charge in the working cylinder, an expansion stroke and also a compression stroke of the working cylinder takes place before the ignition. In this way a good and intimate mixture or vaporization of the fuel is obtained.

PATENT CLAIMS

1. Method of working for internal combustion engines distinguished by the fact that after the exhaust, the

scavenging, and the compression of the charge in the working cylinder, an expansion and also a compress-stroke of the working piston takes place before the ignition in order to obtain a good mixing and evaporation of the fuel. Method of working as in claim 1 distinguished by the fact that at the beginning of the second compression stroke an admission of additional fresh air takes place in the working cylinder.

The Board of Appeals held that appellant had done nothing more than modify an ordinary four-cycle internal combustion engine by adding an additional expansion and compression stroke; and, in comparing the claims in the application with those in the reference, said:

The patentee has applied this feature to a two cycle engine instead of a four cycle engine and has also, as an entirely distinct and separate feature, admitted an extra supply of air prior to the final compression and ignition of the charge. On account of the fact that he has applied the new feature to a two cycle engine and has admitted an extra charge of air for the purpose of securing a higher compression, appellant contends that his engine operates differently and less efficiently than his own. The differences in operation must be admitted but they are due to the difference in the basic cycle and to the additional result which the patentee sought to gain.

In view of the paragraph quoted from the reference we believe that it would be obvious to apply the additional expansion and compression stroke to an engine operating on any desired cycle and the results secured thereby are different in degree only from that disclosed in the reference. Such a change would not amount to invention and we therefore affirm the decision of the Examiner. (Italics ours.)

It is true, as argued by appellant, that his method subjects the charge in the cylinder to an additional expansion and compression operation without the admission of additional air. It may be granted that the charge absorbs more heat from the cylinder walls, resulting in a more highly heated vaporized mixture, and that, as the charge absorbs more heat, the walls of the cylinder are correspondingly cooled. Assuming that the method is practicable, it has some advantages over the method described in the reference. However, the principle involved was fully disclosed in the Austrian patent, where it was declared that the object was to secure vaporization of the fuel, by adding, after a compression of the charge in the cylinder, an expansion and compression stroke of the piston. This being so, the advantages to be obtained by an additional expansion and compression of the charge, would be obvious to one of ordinary mechanical skill. But it is argued by appellant that his method is further distinguished by the fact that the charge of fuel and air maintains a constant ratio, while, in the reference, the admission of additional air is essential to increase the oxygen content of the charge and to increase the compression.

The Board of Appeals held that the purpose of the admission of additional air in the reference was for an "additional result which the patentee sought to gain." We are in accord with this construction of the patent.

The decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DANIEL

No. 2,005. Decided October 4, 1929

1. PATENTABILITY—SHADE FIXTURES.

Certain claims for a shade fixture Held unpatentable over the prior art.

2. SAME—COMMERCIAL SUCCESS—WEIGHT TO BE GIVEN TO.

"We understand that commercial success is a factor, under the law, proper to be considered, but a patent will not be issued where it must rest upon that alone, as we think would be the situation if one were granted in this case."

APPEAL from Patent Office. Affirmed.

Mr. Vernon E. Hodges and Mr. J. Preston Swecker for Daniel.

Mr. T. A. Hostetler for the Commissioner of Patents.

GARRETT, J.:

In this case the appellant filed application for a patent for claimed improvements in certain shade fixtures. The application was originally filed August 28, 1919, being then given the serial number 319,537. Favorable action was taken by the Patent Office on January 2, 1920, but patent was never issued because of the failure of applicant to pay the final fee. In December, 1921, the application was renewed and was given the serial number 526,416. This time it was rejected by the Primary Examiner, which rejection was sustained successively by the Board of Patent Appeals and the Commissioner of Patents acting through the Assistant Commissioner. It was then appealed to the court and is now before us for determination.

The rejection of appellant's claims was based upon two prior patents. Truemper, 264,206, of September 12, 1882, and Daniel, 1,404,837, January 31, 1922.

[1] It is the insistence of appellant that there are two points of novelty in his claimed invention which are patentable. The first is a plate indicated by numeral 4 in the drawings "which rests flat upon the window-frame and affords support for one end of the curtain-shade roller, and also for the stop wheel 8, at a point below the curtain-shade roller, or between the roller and the point of pull or control."

The claim for this is as follows:

The combination with a curtain shade roller having a drum at one end, of a curtain fixture including a plate, a bracket rising from the edge of the upper end of the plate, and integral therewith for receiving one end of the curtain roller, ears rising from the edges of the lower end of the plate and integral therewith, a stop-wheel journaled in the ears, and provided with two grooves, one circumferential and the other spiral, and a cord attached to the drum and wound around the same and passing between the stop wheel and the plate to be pinched therebetween for holding the curtain in position.

The second alleged point of novelty is claimed to reside "in the substitution of a round hole in the ear to receive the curtain-shade roller pintle end-wise only," as shown in Fig. 2. It is claimed that this is not shown in the prior art and that it prevents the roller from jumping out of its socket when the tendency to do so occurs at the spool end from the hasty raising or lowering of the curtain.

The claim for this was submitted on appeal to the Commissioner of Patents in a supplemental brief in the following words:

The combination with a window-shade roller having a spool and a round pintle at one end, a curtain wound around the roller in one direction, and a cord around the spool in the opposite direction, of a curtain-fixture including a flat plate, a bracket having a hole there-through to receive the curtain-shade roller pintle end-wise only, the fixture provided with a pair of ears at a point below the bracket, and a stop-wheel journaled in these ears approximately in alignment with the spool, and having circumferential and spiral grooves between which roller and the back-plate the cord is passed and adapted to move in the raising and lowering of the curtain, or be pinched to hold the latter at any desired elevation.

After a close and careful examination of appellant's application and a study of the specifications and processes of operation, we are unable to agree with his contentions upon either point.

In the patent to Daniel 1,404,837, the drawings show a figure which carries a plate quite similar to the one in the claim. It has an arm extending from the lower end which is integrated with the plate as are ears extending outwardly from the upper end of the plate. We are unable to see where little more is done than invert, in the pending application, a device included in his own prior patent.

As is insisted by Solicitor for the Patent Office, it appears that appellant, while mounting the pintle at one end in a round bearing, has yet slotted the opposite bracket. So this seems to be simply a second inversion of a prior art, and we do not think it of such a nature as to be patentable.

[2] Appellant very earnestly insists that the success which has attended upon his mechanism, when considered with the claims, should result in favorable action. We understand that commercial success is a factor, under the law, proper to be considered, but a patent will not be issued where it must rest upon that alone, as we think would be the situation if one were granted in this case.

It does not appear to the satisfaction of the court that a patentable mechanism not disclosed in the prior art is presented in appellant's present application, and so the decision of the Assistant Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MAGNESS

No. 2,124. Decided October 4, 1929

PATENTABILITY—MOTOR FUEL.

Claims for a motor fuel Held unpatentable, since a mixture as defined in these claims was definitely taught in a prior publication.

APPEAL from Patent Office. Affirmed.

Mr. John Boyle, Jr., for Magness.

Mr. T. A. Hostetler for the Commissioner of Patents.

LENROOT, J.:

This is an appeal from the decision of the Commissioner of Patents affirming the action of the Examiners in Chief in refusing to allow the claims of this application, which read as follows:

1. A motor fuel composed of approximately fifty per cent of gasoline and fifty per cent of distillates of the

light oils of bituminous coal containing principally benzol and toluol.

2. A motor fuel composed of major quantities of gasoline and benzol and containing a minor quantity of toluol.

3. A motor fuel, the major portion of which is gasoline, containing a minor portion of benzol and a still smaller quantity of toluol.

This application has had an extended history in the Patent Office. The claims filed with the application were frequently amended, and finally upon motion of the applicant all of them were canceled, and the three here in question were substituted. It does not appear, however, that the substitution involved any new matter, and the determination of this appeal requires a consideration of the action of the Patent Office prior to that time, as well as subsequent thereto.

Prior to said substitution there were two interferences declared, after which a voluminous prior art was brought to the attention of the Law Examiner. He decided that all of the counts of both interferences were unpatentable in view of the prior art. From this Magness appealed. The Board of Examiners in Chief sustained the finding of the Law Examiner, and the interferences were dissolved without the allowance of claims to any party. The applications thereupon were returned to the Principal Examiner. The claims here in question were substituted as hereinbefore stated and finally rejected by him. On appeal the Board affirmed the Principal Examiner and the Commissioner affirmed the Board.

The questions before us for determination are:

1. Are the claims unpatentable in view of the prior art?

2. If not, did the Commissioner err in holding that the claims should be rejected upon the ground of estoppel?

Considering the first question of prior art, the principal references relied upon by the various officials of the Patent Office are:

The patent to Backhaus, 1,271,114, July 2, 1918.

The patent to Midgley, 1,296,832, March 11, 1919.

The publication Automobile Rundschau, Berlin, May, 1913.

The publication Pharmazeutische Post, published in Vienna, Austria, 1914, containing an article by Dr. Karl Dieterich-Helfenberg on the "Chemistry of the Motor Fuels, Benzine and Benzene."

Applicant's claims involve a motor fuel comprising a mixture of gasoline, benzol and toluol.

Does the prior art disclose such a mixture?

The Commissioner held that the patent to Backhaus clearly shows that it has been common to provide liquid fuels containing, among other elements, all of the ingredients mentioned in applicant's claims, and clearly discloses the use of gasoline, benzol and toluene. An examination of that patent discloses that alcohol was considered an indispensable element of the mixture, and each one of the 18 claims allowed gave alcohol as one of the ingredients. We do not agree with the Commissioner that this patent clearly discloses the use of gasoline, benzol and toluene in such a way as to anticipate applicant's claims.

The Midgley patent involved a mixture of kerosene and benzol, the theory being to provide a fuel of a predetermined compression value, comprising a mixture of a hydrocarbon having a compression value higher than said predetermined value, and a hydrocarbon of a lower compression value than said predetermined value, but the proportions to be such as to make the resultant compression value of the mixture substantially equal to the said predetermined compression value.

We do not think that this patent can fairly be said to have anticipated applicant's claims.

In regard to the publication Automobile Rundschau, Berlin, criticism is made in applicant's brief of the translation, and he also asserts that the Commissioner has misconstrued certain words and phrases therein. This article details a number of experiments made by the author to obtain a satisfactory motor fuel as a substitute for commercial gasoline that would be cheaper. It appears that he was most successful with a mixture of petroleum ether and commercial or 90% benzol, which as a matter of common knowledge contains about fourteen per cent of toluol. Petroleum ether was considered by the Commissioner to be synonymous with gasoline, and therefore it disclosed the mixture set out in applicant's claims. Here, we think, the Commissioner was in error. Petroleum ether, according to the record, has a boiling point between 104 degrees F. and 176 degrees F. It is composed of butane, pentane and hexane. It is a very light petroleum distillate, having a specific gravity of about 650, while motor gasoline has a specific gravity of from 700 to 750. Commercial gasoline has a boiling point ranging from 97 degrees F. to 393 degrees F. While, technically, petroleum ether may come within the range of gasolines for certain purposes, we do think that in the article in question the author clearly had in mind and used a product which should not be termed gasoline. He states that petroleum ether cannot be used alone in an engine, which clearly shows that he was not referring to ordinary gasoline as we know it. It would appear from the record that benzine of medium specific gravity corresponds to our ordinary gasoline. The author states that he made experiments with benzine of medium specific gravity, but none of the experiments detailed in the article show a mixture of benzine of medium specific gravity with benzol or toluol. We do not think there is anything in this article which discloses the desirability of a mixture of gasoline, benzol and toluol to produce a successful motor fuel. The most that can be said of it is that it pointed the way for experiment with mixtures such as are covered by applicant's claims.

We next come to the article in the Pharmazeutische Post, containing an address by Dr. Karl Dieterich-Helfenberg in Vienna, Austria, on April 4, 1914, upon the subject of "The Chemistry of Modern Motor Fuels, Gasoline, and Benzol." In the course of this address it was stated:

What has been held against benzol as a motor fuel up to now as a disadvantage is, besides the difficulty of gasification and its higher specific gravity, its strong odor, further its property of solidifying below 0 degrees to a

crystal mass: * * * As far as the difficult gasification is concerned, I might mention that most of the modern carbureters are so constructed (even though not entirely rationally) that they can still be operated with benzol without any disturbance. Besides, in winter, when gasification is not so good, even with gasoline, as in the hot part of the year, you can help yourself by diluting the benzol with some gasoline— $\frac{2}{3}$ benzol and $\frac{1}{3}$ gasoline—and in this way you can counteract eventual fuel solidification in the heavy winter cold. The ordinary 90% benzol which alone comes into question for automobile operation does not solidify at 0 degrees, but only at about -5 degrees. * * * The 90% commercial benzol for motor purposes, besides, is brought into trade in winter by the manufacturers mixed with a higher percentage of toluol, whereby the solidification point is changed considerably and is lowered far below 0 degrees.

Here in this publication is definitely taught a mixture of gasoline and benzol, containing toluol, which is precisely what is covered by applicant's claims. That the applicant may have discovered that the mixture is desirable in summer as well as in winter and has other virtues perhaps not before known does not entitle him to a patent upon it.

Applicant's counsel in his brief realizes the force of the foregoing and attempts to show that the gasoline referred to by the author was not in fact motor gasoline, but petroleum ether, and in support of the claim states:

In order to prevent the benzol from freezing in cold weather, he suggests adding one-third "Benzin." On the next page, he speaks of this one-third "Benzin" as petroleum ether.

But this is an error. The author clearly was speaking of two different mixtures. The context clearly shows that in the mixture covered by applicant's claims, the ingredients advised by the author were motor benzine or gasoline, and benzol containing toluol, and the purpose of this mixture was to prevent freezing and was to be used in cold weather, while on the next page the author advised an entirely different mixture, to wit, petroleum ether and benzol for the purpose of improving gasification.

In view of this article, we hold that there is no patentable novelty in the mixture involved in applicant's claims.

In view of this conclusion, it becomes unnecessary to consider the question of estoppel.

The decision of the Commissioner is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

976,267, A. F. Knight, Golf club, C. C. A., 2d Cir., Doc. 10425, *A. F. Knight et al. v. Union Hardware Co.* Decree affirmed (notice Nov. 8, 1929.)

1,014,002, J. L. Hogan, jr., Apparatus for wireless signaling, D. C., N. D. Ohio, (E. Div.), Doc. 2797, *J. V. Hogan v. The Sparks Withington Co.* Discontinued Nov. 5, 1929.

1,026,312. (See 1,126,755.)

1,081,199, G. S. Binckley, Dam, filed Nov. 8, 1929, C. Clms., D. of C., Doc. K-494, *G. S. Binckley et al. v. U. S.*

1,125,476, G. Claude, System of illuminating by luminescent tubes, filed Sept. 17, 1929, D. C. Minn., (4th Div.), Doc. E 1415, *Claude Neon Lights, Inc., et al. v. O. Paulson et al. (Glo-Tube Mfg. Co.).*

1,126,755, H. Griep, jr., Adjustable steering pole; 1,026,312, P. Hansmann, Adjustable steering mechanism, D. C., N. D. Iowa, (W. Div.), Doc. E 252, *P. Hansmann v. R. A. Caswell et al.* Dismissed Nov. 8, 1929.

1,212,840, F. J. Straub, Building block and method of making, appeal filed Oct. 12, 1929, C. C. A., 3d Cir., Doc. 4275, *W. H. Lampus v. Crozier-Straub, Inc., et al.*

1,218,880, J. E. McGinness, Heating apparatus, C. C. A., 2d Cir., Doc. —, *The Buckeye Blower Co. v. Arassmeyer, Warnock & Zahndt.* Decree affirmed Nov. 8, 1929.

1,238,825, L. S. Ross, Means for preventing boiler explosions, leakage, etc.; 1,388,383, 1,401,002, C. H. Smith, Safety relief valve for hot-water boilers, D. C., N. D. Ohio, (E. Div.), Doc. 2510, *C. H. Smith v. The Sands Mfg. Co.* Patents held valid and infringed Nov. 7, 1929.

1,388,383. (See 1,238,825.)

1,389,067, M. D. Nelson, Undergarment for women; 1,487,971, same, Undergarment of the bloomer type, D. C., S. D. N. Y., Doc. E 45/141, *Winget-Kickernick Co. et al. v. American Knitting Mills Co.* Consent decree for plaintiff Nov. 6, 1929.

1,401,002. (See 1,238,825.)

1,463,556, 1,518,410, S. A. Reed, Aeronautical propeller, C. Clms., D. of C., Doc. E 544, *The Reed Propeller Co., Inc., v. The U. S.* Dismissed Jan. 19, 1929.

1,487,971. (See 1,389,067.)

1,507,282, W. C. Hammatt, Pavement, filed Nov. 8, 1929, D. C. Nebr. (Omaha), Doc. E 1050, *Monolite Co. of America v. Metz Construction Co. et al.*

1,507,826, L. J. Grubman, Sound-producing device for dolls, appeal filed July 17, 1929, C. C. A., 3d Cir., Doc. 4213-4214, *Voices, Inc., v. Up-To-Date Mfg. Co.*

1,518,410. (See 1,463,556.)

1,539,701, E. C. Sutherland, Process of bleaching flour, C. C. A., 2d Cir., Doc. 10424, *Novadella Process Corp. et al. v. American Purifyne Co., Inc.* Decree affirmed (notice Nov. 8, 1929.)

1,588,948, E. A. Downey, Connector for ventilating racks, appeal filed June 14, 1929, C. C. A., 3d Cir., Doc. 4177, *Fruit Grocers Express Co. v. J. A. Masile.*

1,614,191, H. H. Everhard, Ventilating screen, D. C., N. D. Ohio, (E. Div.), Doc. 2695, *H. H. Everhard v. The F. E. Schumacher Co.* Dismissed without prejudice Nov. 2, 1929.

1,691,582, E. Nowak, Protector for back of shoes, filed Nov. 1, 1929, D. C., S. D. N. Y., Doc. E 51/1, *E. Nowak v. I. A. Lyons et al. (Lyons & Co.).*

Des. 77,204, A. Von Frankenberg, Ash receiver, filed Nov. 8, 1929, D. C., S. D. N. Y., Doc. E 51/31, *Frankhart, Inc., v. A. Beck & Co., Inc.*

Des. 78,339, Des. 78,341, Des. 78,343, F. Collins, Lamp-pedestal arm; Des. 78,340, Des. 78,344, same, Lamp base, D. C., S. D. N. Y., Doc. E 49/221, *Mutual Sunset Lamp Mfg. Co. Inc., v. A. Tykulscher et al. (Le Mur Lighting Mfg. Co.).* Consent decree for plaintiff Nov. 8, 1929.

Des. 78,340. (See Des. 78,339.) Des. 78,341. (See Des. 78,339.)

Des. 78,343. (See Des. 78,339.) Des. 78,344. (See Des. 78,339.)

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 31, 1929

[Vol. 389. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 274,276. PANPLASTICS CORPORATION, New York, N. Y. Filed Oct. 25, 1928.

CASITE

For Condensation Products Containing Casein.
Claims use since Sept. 1, 1928.

Ser. No. 285,425. SATISFACTION SUPPLY CO. INC., New York, N. Y. Filed June 11, 1929.

ARKAY

For Asbestos.
Claims use since May 1, 1927.

Ser. No. 285,829. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed June 19, 1929.

SALPA

For Material Made from Scraps of Real Leather from Which May be Manufactured Various Articles.
Claims use since July 15, 1927.

Ser. No. 285,830. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed June 19, 1929.

SALPA

For Material Made from Scraps of Real Leather from Which May be Manufactured Various Articles.
Claims use since July 15, 1927.

Ser. No. 288,229. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Filed Aug. 7, 1929.



For Compounded Unvulcanized Rubber in the Form of Sheets and Rolls for Use in the Manufacture and Repair of Rubber Articles, Uncured Sheet Rubber with Vulcanized Backing, and Tire-Flap Material Made Wholly or Partly of Rubber.

Claims use since on or about Apr. 26, 1929.

Ser. No. 288,230. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Filed Aug. 7, 1929.



For Compounded Unvulcanized Rubber in the Form of Sheets and Rolls for Use in the Manufacture and Repair of Rubber Articles, Uncured Sheet Rubber with Vulcanized Backing, and Tire-Flap Material Made Wholly or Partly of Rubber.

Claims use since on or about Apr. 26, 1929.

Ser. No. 288,974. PACATOME COMPANY, San Francisco, Calif. Filed Aug. 24, 1929.

THERMO-PAC

For Diatomaceous Silica Used as An Insulation Medium.
Claims use since Jan. 28, 1929.

Ser. No. 288,976. PACATOME COMPANY, San Francisco, Calif. Filed Aug. 24, 1929.

MICRO-PAC

For Diatomaceous Silica Product—Namely, Extra-Finely-Ground Diatomaceous Silica.
Claims use since Jan. 28, 1929.

Ser. No. 288,977. PACATOME COMPANY, San Francisco, Calif. Filed Aug. 24, 1929.



For Diatomaceous Silica, Ground Diatomaceous Silica, and Extra-Finely-Ground Diatomaceous Silica Used as a Filter Aid, as in Admixture for Concrete, and as an Insulation Medium.
Claims use since Jan. 28, 1929.

Ser. No. 291,244. THE SENECA COAL AND COKE COMPANY, Tulsa, Okla. Filed Oct. 18, 1929.



The exclusive use of the word "Coal" is disclaimed. The representation of a lump of coal is hereby disclaimed excepting in connection with the mark as shown.
For Coal.
Claims use since July 15, 1929.

Ser. No. 291,593. SYLVANIA INDUSTRIAL CORPORATION, New York, N. Y. Filed Oct. 25, 1929.

SYLPHENE

For Sheets Made of Regenerated Cellulose.
Claims use since Oct. 15, 1929.

Ser. No. 291,893. PURITAN MALT EXTRACT COMPANY, Chicago, Ill. Filed Oct. 28, 1929.

PURITAN

For Hops.
Claims use since February, 1919.

CLASS 2

Receptacles

Ser. No. 279,256. AMERICAN CAN COMPANY, New York, N. Y. Filed Feb. 13, 1929.



The word "Leaktite" is disclaimed apart from the mark as shown.

For Cans, Consisting of Sanitary Cans, Friction-Top Cans, Slip-Cover Cans, Cans with Frangible Seals, Drum-head Cans, and Peanut-Butter Cans of Metal or Fiber and Partly of Fiber and Partly of Metal.

Claims use since Sept. 1, 1928.

Ser. No. 282,115. IOWA FIBER BOX COMPANY, Keokuk, Iowa. Filed Apr. 9, 1929.



The dominant feature of the mark is the coined word "Polarbox." The mark shown and used includes the picture of a bear on a red circular background, but color is no part of the trade-mark.

For Shipping Containers Made Principally from Corrugated Fiber Board.

Claims use since Mar. 14, 1929.

Ser. No. 285,831. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed June 19, 1929.

SALPA

For Boxes for Shoes, Stockings, Handkerchiefs, Collars, Buttons, Sewing, Underwear, Playing Cards, Poker Chips, Jewelry, Medicine, and Empty First-Aid Kits; Eyeglass Cases, Razor Cases, Wastebaskets, Knife Sheaths; Cases or Containers for Cameras, Opera Glasses, Binoculars, Telescopes, Drink Shakers, and Thermos Bottles and Jugs, and Bayonet Scabbards Made of Leather Manufactured from Scraps of Real Leather.

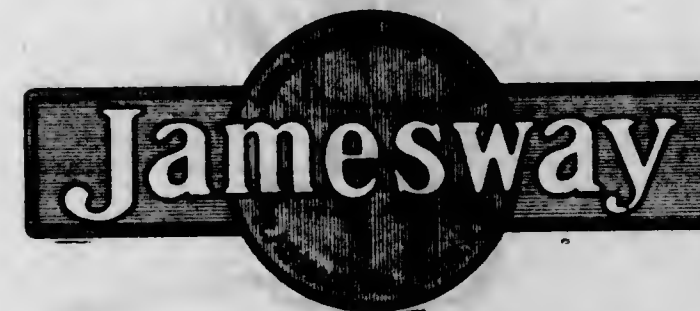
Claims use since July 15, 1927.

Ser. No. 285,832. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed June 19, 1929.



For Boxes for Shoes, Stockings, Handkerchiefs, Collars, Buttons, Sewing, Underwear, Playing Cards, Poker Chips, Jewelry, Medicine and Empty First-Aid Kits, Eyeglass Cases, Razor Cases, Wastebaskets, Knife Sheaths, Cases or Containers for Cameras, Opera Glasses, Binoculars, Telescopes, Drink Shakers, and Thermos Bottles and Jugs; and Bayonet Scabbards Made of Leather Manufactured from Scraps of Real Leather.
Claims use since July 15, 1927.

Ser. No. 291,672. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis. Filed Oct. 28, 1929.



The words "Trade-Mark, Ft. Atkinson, Wis., Elmira, N. Y." are disclaimed apart from the mark as shown. The shading in the drawing is for red and blue color.

For Equipment—Namely, Mangers for Metal Cow, Calf, Bull, and Hog Stalls and Pens and Stock and Storage Tanks.

Claims use since Mar. 1, 1921.

Ser. No. 292,264. ROBERT GAYLORD INCORPORATED, St. Louis, Mo. Filed Nov. 11, 1929.

LUMBER JACKET

For Fibre-Board Packing Cases.
Claims use since Nov. 1, 1929.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 271,773. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.



For Portmanteaus, Valises, Suitcases; Trunks, Including Wardrobe and Automobile Trunks; Gladstone Bags, Men's and Women's Hatboxes, Week-End Bags, Overnight Bags, Bags for Toilet Articles, Men's Traveling Toilet Kits, Knapsacks, Straps for Luggage, Ladies' Pocketbooks, Hand Bags and Underarm Bags, Bill Folds, Wallets, Cardcases, Coin Purses; License, Passport, and Ticket Cases; Cases

for Music; Cases for Violins, Ukuleles, Banjos, and Saxophones; Brief Cases, Portfolios, Shoe Pockets, Baggage-Tag Holders, Crib Straps, Child's Harness, Child's Reins, Trimmings Horse Blankets, Riding Whips, Saddles, Stirrup Straps, Blinders for Horses, Dog Harness, Dog Blankets; Collars, Muzzles, and Leashes for Dogs and Other Animals; Horse Harness and Reins, Whip Sockets and Cat-o-nine-tails, All Made of Leather, Manufactured from Scraps of Real Leather.

Claims use since July 15, 1927.

Ser. No. 271,778. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.

SALPA

For Portmanteaus, Valises, Suitcases; Trunks, Including Wardrobe and Automobile Trunks; Gladstone Bags, Men's and Women's Hatboxes, Week-End Bags, Overnight Bags, Bags for Toilet Articles, Men's Traveling Toilet Kits, Knapsacks, Straps for Luggage, Ladies' Pocketbooks, Hand Bags and Underarm Bags, Bill Folds, Wallets, Cardcases, Coin Purses; License, Passport, and Ticket Cases; Cases for Music; Cases for Violins, Ukuleles, Banjos, and Saxophones; Brief Cases, Portfolios, Shoe Pockets, Baggage Tagholders, Crib Straps, Child's Harness, Child's Reins, Trimmings Horse Blankets, Riding Whips, Saddles, Stirrup Straps, Blinders for Horses, Dog Harness; Dog Blankets, Collars, Muzzles, and Leashes for Dogs and Other Animals; Horse Harness and Reins, Whip Sockets and Cat-o-nine-tails, All Made of Leather, Manufactured from Scraps of Real Leather.

Claims use since July 15, 1927.

Ser. No. 283,357. THE VICTORY RACING PLATE COMPANY, Baltimore, Md. Filed May 1, 1929.



The representation of the horseshoe is disclaimed.
For Horseshoes.
Claims use since Oct. 1, 1928.

Ser. No. 290,096. TRIANGLE TRAVELING BAG WORKS, INC., Cincinnati, Ohio. Filed Sept. 21, 1929.



For Trunks, Traveling Bags, Pocketbooks, Overnight Bags, Hatboxes, of Leather or Similar Material and Used for Traveling Purposes.
Claims use since on or about Aug. 1, 1929.

Ser. No. 290,665. SECO LEATHER PRODUCTS COMPANY, New York, N. Y. Filed Oct. 4, 1929.

NU-FOLD

No claim is made to exclusive right to the use of the word "Fold" apart from the mark shown.
For Wallets and Bill Folds.
Claims use since June 1, 1929.

Ser. No. 290,666. SECO LEATHER PRODUCTS COMPANY, New York, N. Y. Filed Oct. 4, 1929.

LITE-FOLD

No claim is made to exclusive right to the use of the word "Fold" apart from the mark shown.
For Wallets and Bill Folds.
Claims use since June 1, 1929.

Ser. No. 290,668. SECO LEATHER PRODUCTS COMPANY, New York, N. Y. Filed Oct. 4, 1929.

HANDI-FOLD

No claim is made to exclusive right to the use of the word "Fold" apart from the mark shown.
For Wallets and Bill Folds.
Claims use since June 1, 1928.

Ser. No. 290,669. SECO LEATHER PRODUCTS COMPANY, New York, N. Y. Filed Oct. 4, 1929.

JUNIOR-FOLD

No claim is made to exclusive right to the use of the word "Fold" apart from the mark shown.
For Wallets and Bill Folds.
Claims use since May 1, 1929.

Ser. No. 291,710. LEATHER GOODS NOVELTY CO., Los Angeles, Calif. Filed Oct. 28, 1929.

KANFELS

For Leather Key Cases.
Claims use since Feb. 15, 1929.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 286,085. SUPERIOR CHEMICAL COMPANY, INC., Los Angeles, Calif. Filed June 24, 1929.

WHIFF

For Cleaning Fluid Used as a Dry Cleaner.
Claims use since Feb. 25, 1929.

Ser. No. 286,995. THE MOLLÉ COMPANY, Cleveland, Ohio. Filed July 12, 1929.

MOLLÉ

(MÔ-LAY)

For Toilet Preparations—viz, Shaving Emollient.
Claims use since June 1, 1917.

Ser. No. 289,099. CLEOPATRA CHEMISTS CORPORATION, New York, N. Y. Filed Aug. 28, 1929.



For Compounds for Cleaning the Hands and the Like, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powders for Bathing, Washing, and Cleaning Purposes; Laundry Soaps, Soap Flakes, Hand Soaps, Toilet Soaps, Soap Pastes, Washing Tablets, and Shampoo Soaps.
Claims use since Aug. 19, 1929.

Ser. No. 289,674. GEAR PROCESSING, INC., Cleveland, Ohio. Filed Sept. 12, 1929.

INCOLAP

No claim is made to the term "Lap" or the representation of the gears on the drawing apart from the mark as shown.
For Metallic Laps and Hones and Laps and Hones of Abrasive Material.
Claims use since Mar. 14, 1929.

Ser. No. 291,640. SKAT COMPANY, Hartford, Conn. Filed October 26, 1929.

GLAD HAND

No claim being made to the exclusive right to the use of the word "Hand" apart from the mark shown in the drawing.
For Hand-Cleaning Preparation.
Claims use since Sept. 9, 1929.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 261,847. TRAGASOL PRODUCTS LIMITED, Hooton, near Birkenhead, England. Filed Feb. 17, 1928.

TRAGON

For Vegetable Mucilage of Hemicellulose Constitution for Use as an Element in Size Mixings for the Sizing and Dressing of Yarns, Ropes, Twine, Thread, and Textile Materials of All Kinds, for Leather, Waterproofing Materials, Etc.
Claims use since on or about May 25, 1893.

Ser. No. 270,562. THE TRINIDAD LAKE PETROLEUM COMPANY, LIMITED, Brighton, Trinidad, assignor to The Trinidad Lake Asphalt Operating Company, Limited, Brighton, Trinidad, B. W. I., a Corporation of Trinidad, B. W. I. Filed Aug. 3, 1928.

TRINPETRO

For Sanitary Oil for Use in Lining Ditches, for Preventing the Growth of Vegetation, and for Mosquito Prevention.
Claims use since about January, 1928.

Ser. No. 270,752. MITCHELL MEDICINE COMPANY, INC., Birmingham, Ala. Filed Aug. 8, 1928.



For Healing Liniment for Use as a Douche, Mouth Wash, and a Body Rub.
Claims use since July 3, 1928.

Ser. No. 271,261. MERCK & Co., INC., Rahway, N. J. Filed Aug. 18, 1928.

Lanum Cream

No exclusive claim is made to the use of the word "Cream" except in connection with the word "Lanum" as shown in the drawing. Applicant is the owner of registration No. 34,044.

For Toilet Cream.
Claims use since on or about Jan. 2, 1926.

Ser. No. 274,687. HENRY S. WOOLSEY, doing business as Valrose Chemical Co., Kingston, N. Y. Filed Nov. 1, 1928.

VALROSE

For Tablets Having the General Properties of a Tonic and Body Builder.
Claims use since Sept. 1, 1928.

Ser. No. 276,536. OTTO KARL QUAST, doing business as "The Nix-Lix Mfg. Co.," Spokane, Wash. Filed Dec. 10, 1928.

Pep-Capsules

No claim is made to the word "Capsules" apart from the mark shown on the drawing.
For Preparation Used for Treating Colds and Catarrh.
Claims use since February, 1926.

Ser. No. 276,143. THE TOLEDO REX SPRAY COMPANY, Toledo, Ohio. Filed Jan. 18, 1929.

VOGUE

For Lighter Fluid for Use in Pocket Lighters.
Claims use since Jan. 8, 1929.

Ser. No. 278,603. PINAUD INCORPORATED, New York, N. Y. Filed Jan. 29, 1929. Under 10-year proviso.

Pinaud's

For Filled Powder Compacts.
Claims use since about 1840.

Ser. No. 281,184. ZIPAL PRODUCTS CO., Rochester, N. Y.
Filed Mar. 22, 1929.

WY-TEN

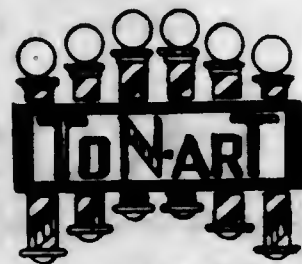
For Bleaching Liquid.
Claims use since Aug. 1, 1928.

Ser. No. 283,244. MARIE K. WOLVERTON, doing business
as Riddo-Girms Chemical Co., Detroit, Mich. Filed
Apr. 29, 1929.

VI-GIEN

For Antiseptic and Astringent Powders.
Claims use since May 1, 1928.

Ser. No. 286,259. M. CURTIS OGLESBY, Pomona, Calif.
Filed June 27, 1929.



The color lining shown on the drawing is used for shading purposes only.

For Cold Creams, Massage Cream, Nail Cream, Hair Dye, Astringent Lotions, Antiseptic Lotion, Lemon Vanishing Cream, Nail Paste, Lip Paste, Lip Stick, Face Powder, Foot Powder, Nail-Polishing Powder, Talcum Powder, Rouge, Hair Tonic, and Antiseptic Preparations.
Claims use since Sept. 1, 1928.

Ser. No. 286,651. NORTHERN PRODUCTS, INC., Denver, Colo. Filed July 5, 1929.

DANKIL

For a Preparation for Killing Dandelions.
Claims use since June 3, 1929.

Ser. No. 287,578. DAVID C. GAMBLE, Lima, Ohio. Filed July 24, 1929.



The word "Mineral" as shown on the drawing is disclaimed apart from the mark.

For Stock and Poultry Minerals, a Conditioner for All Kinds of Livestock and Poultry.
Claims use since Nov. 15, 1922.

Ser. No. 289,162. HILBERT A. RANDALL, doing business
as Bi-Jo Specialty Co., Dallas, Tex. Filed Aug. 29, 1929.

BI-JO

For Antiseptic Mosquito Balm.
Claims use since June 1, 1929.

Ser. No. 289,850. STEIN COSMETICS COMPANY, INC., New York, N. Y. Filed Sept. 16, 1929.



stein's LEMONISED SHAMPOO

No claim is made to the words "Stein's Lemonised" and "Shampoo" apart from the mark shown on the drawing.

For Hair Shampoo.
Claims use since Sept. 9, 1929.

Ser. No. 289,915. ALFRED BISHOP LTD., London, England.
Filed Sept. 18, 1929.

VARALETTES

For Effervescent Medicinal Preparations for the Treatment of Gout, Stone Colic, and Other Disorders Arising from Hypersecretion of Uric Acid, Fevers, Headaches, Coughs, Indigestion, Rheumatism, Eczema, and Sciatica and Kindred Affections of the Human Body.
Claims use since Oct. 19, 1894.

Ser. No. 290,549. CITIGAS CORPORATION, Atlantic City, N. J. Filed Oct. 3, 1929.

Citi Gas

Applicant disclaims any attempt to cover in this application the word "Gas" except in the precise relation and association in which it is shown in the mark as a whole.
For Liquefied Petroleum Gas.
Claims use since Mar. 15, 1920.

Ser. No. 291,023. THE PHYTAMIN CORPORATION, doing business as The Genogen Company, Battle Creek, Mich. Filed Oct. 12, 1929.

GENOGEN

For General Medicinal Tonic Tablet Preparation Containing Calcium, Phosphorus, and Iron of Plant Origin Combined with a Bitter Tonic.
Claims use since Oct. 2, 1929.

Ser. No. 291,136. MARY BLANCHE OLMSTED, Friend, Nebr.
Filed Oct. 16, 1929.

Nu-Bloom

For Vanishing Cream, Lip Stick, Face Powder, and Perfume.
Claims use since Oct. 20, 1928.

Ser. No. 291,202. JAMES A. COCHRANE, doing business as J. A. Cochrane & Co., Keokuk, Iowa. Filed Oct. 18, 1929.



The words "Trade Mark" as shown on the drawing are disclaimed by the applicant.

For Preparations for the Treatment of Pyorrhea, Trench Mouth, Bleeding Gums, Bad Breath, and to Clean and Whiten the Teeth.

Claims use since Oct. 9, 1929.

Ser. No. 291,566. BERTIN KELLY, doing business as The Eneblend Co., Weatherford, Tex. Filed Oct. 25, 1929.

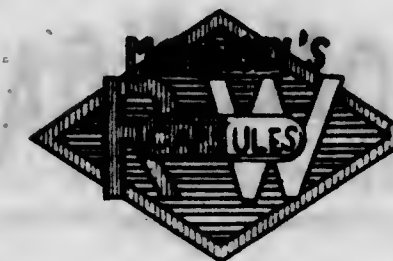
ENEBLEND

Rouge

No claim is made to the word "Rouge" apart from the mark shown.

For Rouge.
Claims use since July 25, 1929.

Ser. No. 291,632. WILLIAM P. MOONEY, doing business as Mooney's Laboratory, Milwaukee, Wis. Filed Oct. 26, 1929.



The color lining on the rim of the background and some of the letters is to indicate red, while the lining on the body of the background is to disclose a plurality of longitudinal point lines. No claim is hereby made to the word "Capsules" appearing on the mark, as shown.

For Capsules for Rheumatism, Neuritis, and Lumbago.
Claims use since Oct. 15, 1929.

Ser. No. 291,634. PILE-O-CHASE CHEMICAL COMPANY, Foxburg, Pa. Filed Oct. 26, 1929.



The words "Brings Joy" are disclaimed apart from the other features of the mark shown in the drawing.
For Pile Ointment.
Claims use since about Oct. 8, 1929.

Ser. No. 291,673. BESSIE L. JONES, Eau Claire, Wis. Filed Oct. 28, 1929.

JOLES SEVEN BARKS COMPOUND

No claim is made to the word "Compound" separate and apart from the trade-mark as shown.

For a Medicinal Preparation for the Treatment of Rheumatism and for Purifying the Blood.
Claims use since July 1, 1905.

Ser. No. 291,716. RALPH CLOSSON, doing business as Kavater Co., Logansport, Ind. Filed Oct. 29, 1929.

Kavaterex

For Preparation for the Relief of Ailments in the Kidneys.
Claims use since Sept. 1, 1929.

Ser. No. 291,755. **BENDINER & SCHLESINGER, INC.**, New York, N. Y. Filed Oct. 30, 1929.

OVOMANGAN

For General Tonic.
Claims use since 1906.

Ser. No. 291,824. **SEBASTIAN GYSIN**, doing business as Milwaukee Whole Food Products, Milwaukee, Wis. Filed Oct. 31, 1929.

NU-VEGE-SAL

For Table Salt.
Claims use since Nov. 3, 1926.

Ser. No. 291,889. **THE QUEEN PERFUMERY CO., INC.**, Santurce, P. R. Filed Nov. 1, 1929.

**LA REINA
ALCIBOLADO**

No claim is made to the exclusive use of the word "Alcibolado" apart from the mark as shown on the drawing.

For Perfumes.
Claims use since September, 1926.

Ser. No. 292,106. **THE GRASSELLI CHEMICAL COMPANY**, Cleveland, Ohio. Filed Nov. 7, 1929.

EUREKA

For Fluxes—Namely, Soldering Fluxes.
Claims use since May 15, 1893.

Ser. No. 292,137. **THE WILLIAM A. WEBSTER COMPANY**, Memphis, Tenn. Filed Nov. 7, 1929.

TRUSEPTIC

For Dental Cream.
Claims use since June 13, 1929.

Ser. No. 292,153. **EUGENE E. BEADLE**, doing business as United Pharmacal Laboratories, Waterbury, Conn. Filed Nov. 8, 1929.

AMARAH

For Bitter Medicated Mineral Oil for Use as a Tonic, Laxative, and Internal Lubricant.
Claims use since Aug. 1, 1929.

Ser. No. 292,155. **BLACKMAN & BLACKMAN, INC.**, doing business as Premo Pharmaceutical Laboratories, New York, N. Y. Filed Nov. 8, 1929.

HALEX

For Powerful Inhalant Germicide Used in the Treatment of Head Colds.
Claims use since June 12, 1929.

Ser. No. 292,184. **STANDARD BRANDS INCORPORATED**, Dover, Del., Cincinnati, Ohio, and New York, N. Y. Filed Nov. 8, 1929.



For Baking Powder.
Claims use since Oct. 15, 1929.

Ser. No. 292,206. **JOSEPH B. GILDERSLEEVE**, doing business as The Motormite Company, New York, N. Y. Filed Nov. 9, 1929.

Motormite

For Chemical Preparation to be Mixed with Fuel for Internal-Combustion Engines for Promoting the Efficiency of the Fuel and for Preventing and Removing Carbon.
Claims use since 1920.

Ser. No. 292,217. **MAGAY CORPORATION**, New York, N. Y. Filed Nov. 9, 1929.



No registration rights are claimed herein to the word "Kava" apart from the mark as shown.

For Medicinal Preparation for Internal Use with Properties Having a Diuretic and Antacid Effect on the Kidneys and Bladder and a Direct Action on the Bowels.
Claims use since Oct. 2, 1929.

Ser. No. 292,234. **R. J. STRASBURGH CO.**, Rochester, N. Y. Filed Nov. 9, 1929.

CREOTHYOL

For Medicinal Preparation for the Relief of Coughs and Bronchitis.
Claims use since Nov. 4, 1929.

Ser. No. 292,355. **CHARLES P. HALL**, doing business as The C. P. Hall Company, Akron, Ohio. Filed Nov. 13, 1929.

S'PDN

For Compound Used as a Vulcanization Accelerator in the Curing of Rubber Articles.
Claims use since on or about June 1, 1929.

Ser. No. 292,359. **HYMAN & OPPENHEIM, INC.**, New York, N. Y. Filed Nov. 13, 1929.

Jorcy

For Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Sticks.
Claims use since Nov. 1, 1928.

Ser. No. 292,405. **POLIDORO LATTANZIO**, Astoria, N. Y. Filed Nov. 14, 1929.

Lattanzio
LATTANZIO

The name "Lattanzio" being the autograph of the applicant.

For Ameliorative for Red and Yellow Skin, Sores, and Perspiring Feet.
Claims use since June 10, 1928.

Ser. No. 292,408. **M. & B. PRODUCTS CO.**, Philadelphia, Pa. Filed Nov. 14, 1929.

FLY-CEASE

For Insecticide for Flies, Gnats, Mosquitoes, Roaches, Moths, Bedbugs, Etc.
Claims use since Oct. 18, 1929.

Ser. No. 292,433. **ALLIED DRUG AND CHEMICAL CORPORATION**, New York, N. Y. Filed Nov. 15, 1929.

ADACCO

For Uric-Acid Solvent and Preparation Efficient in the Treatment of Lithemia, Rheumatism, Gout, and Many Kindred Affections.
Claims use since May 11, 1921.

Ser. No. 292,507. **PARKE, DAVIS & COMPANY**, Detroit, Mich. Filed Nov. 16, 1929.

C — A

For a Preparation of Chemically-Pure Tetrachlorethylene Together with a Specially-Prepared Effective Tensicide in the Form of a Liquid in Soluble Gelatin Capsules for the Treatment of Roundworms and Tapeworms in Poultry.
Claims use since Oct. 14, 1929.

Ser. No. 292,515. **THE ALKALINE PRODUCTS CO.**, Kansas City, Mo. Filed Nov. 18, 1929.

Gasidal

For Antacid and Carminative Digestant Powder.
Claims use since November, 1925.

Ser. No. 292,532. JAY G. HOBSON & CO. INC., Chillicothe, Ohio. Filed Nov. 18, 1929.

ASPIRCAPS

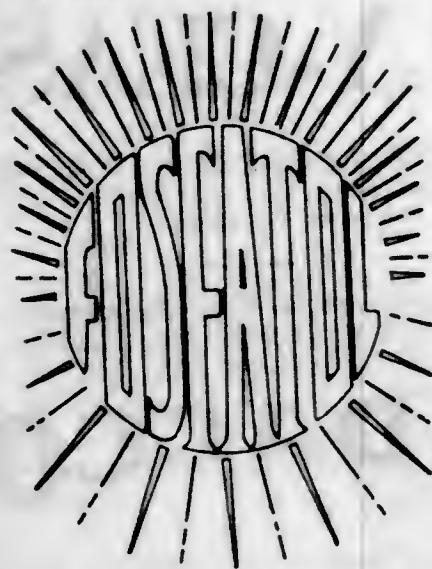
For Capsules for the Relief of Headaches and Colds.
Claims use since July 1, 1929.

Ser. No. 292,579. RICHARD HUDNUT, New York, N. Y.
Filed Nov. 19, 1929.

CHEKODOR

For Deodorant.
Claims use since Nov. 1, 1929.

Ser. No. 292,598. VITAGENOL MEDICINE CO., El Paso, Tex.
Filed Nov. 19, 1929.



For General Nutritive and Restorative Tonic.
Claims use since on or about July 21, 1927.

Ser. No. 292,600. THE CHAMPION FIBRE COMPANY, Canton, N. C. Filed Nov. 18, 1929.



For Chestnut-Wood Tannin Extracts.
Claims use since November, 1927.

Ser. No. 292,608. AMERICAN PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Nov. 20, 1929.

SEED-O-LAX

For Vegetable Material Used as a Laxative and Corrector for Constipation.
Claims use since spring of 1927.

Ser. No. 292,615. BENJAMIN COHEN, doing business as Insene Manufacturing Co., Philadelphia, Pa. Filed Nov. 20, 1929.

Insene

For Insecticide for Roaches, Ants, Bedbugs, Fleas, Flies, House Spiders, and Other Insect Pests.
Claims use since Oct. 24, 1929.

Ser. No. 292,675. THE A. H. LEWIS MEDICINE CO., St. Louis, Mo. Filed Nov. 21, 1929.

TUMS

For Carminative-Antacid Corrective for Stomach Distress.
Claims use since Nov. 7, 1929.

Ser. No. 292,687. E. R. SQUIBS & SONS, New York, N. Y. Filed Nov. 21, 1929.

Vitavosa

For Vitaminous Dietary Supplement.
Claims use since Nov. 15, 1929.

Ser. No. 292,688. THE SULLIVAN COMPANY, Memphis, Tenn. Filed Nov. 21, 1929.

CEMSET

For Quick-Setting Compound for All Cement Mixtures.
Claims use since Jan. 1, 1925.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 284,709. WESTERN CARTRIDGE COMPANY, East Alton, Ill. Filed May 27, 1929.



For Rifle Cartridges.
Claims use since Jan. 1, 1908.

CLASS 10

Fertilizers

Ser. No. 292,110. INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y. Filed Nov. 7, 1929.

Satisfaction at Harvest Time

For Fertilizers.
Claims use since October, 1925.

Ser. No. 292,157. EASTERN COTTON-OIL COMPANY, Norfolk, Va. Filed Nov. 8, 1929.

Soilvim

For Fertilizer.
Claims use since Oct. 1, 1929.

CLASS 11

Inks and Inking Materials

Ser. No. 292,087. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Nov. 7, 1929.

Perfo

For Ink Paste.
Claims use since Oct. 15, 1929.

CLASS 12

Construction Materials

Ser. No. 290,527. ST. ELMO LUMBER & COAL COMPANY, St. Elmo, Ill. Filed Oct. 2, 1929.

OCTO

For Eight-Sided Cottages.
Claims use since about July 5, 1920.

389 O. G.—66

Ser. No. 291,600. ACME BRICK COMPANY, Danville, Ill. Filed Oct. 28, 1929.

Flemishtex

For Brick.
Claims use since July 1, 1928.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 271,878. CINCH MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 4, 1928.

CINCH

For Separable Snap Fasteners.
Claims use since Nov. 1, 1916.

Ser. No. 281,278. THE FIREBRAND KITCHEN EQUIPMENT COMPANY, New York, N. Y., Cincinnati, Ohio, and Chicago, Ill. Filed Mar. 25, 1929.



For Urns, Combination Coffee and Hot-Water Urns, Hot-Water Urns, Combination Chocolate and Coffee Urns; Accessories for Urns—Namely, Faucets, Valves, and Stone and China Urn Liners; Steam Tables; Accessories for Steam Tables—Namely, Jar Tops and Telescopic Covers; Pan Racks, Sinks, Tray Slides, Guard Railings, Automatic Water-Cooler Faucets, Automatic Cream and Milk Dispensing Faucets; Fruit, Salad, Vegetable, and Ice Pans; Steam-Jacketed Kettles, and Sausage Steamers.
Claims use since Jan. 21, 1928.

Ser. No. 287,398. JAMES H. BOYE MANUFACTURING CO., Chicago, Ill. Filed July 20, 1929.

BOYEMACO

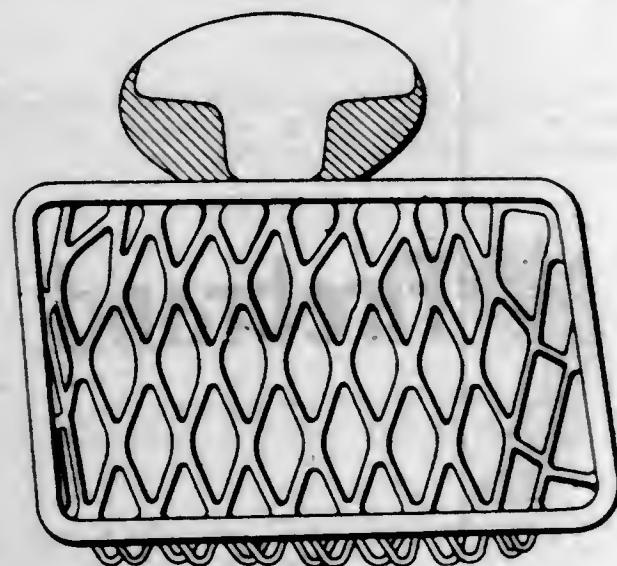
For Metal Necktie Racks, Metal Hat and Garment Racks, and Metal Shoe Racks.
Claims use since July 8, 1929.

Ser. No. 289,063. BUFFALO LAMP & MFG. CO. INC., Buffalo, N. Y. Filed Aug. 27, 1929.

Metalex

For Percolators, Sugar Bowls, Milk and Cream Pitchers, Trays; Percolator Sets Consisting of Trays, Sugars, and Creamers and Percolators of Base Metal; Coffee and Hot-Water Urns, Food Warmers with or without Hot-Water Compartments, Salad Bowls, Relish Dishes, Steak Planks, Table Pads, and Utensil Supports of Base Metal; Cuspidors; Fireplace Ensembles Consisting of Vaporizing Kettle, Mantel Clamps, and Suspension Chains, and Funnels. Claims use since about Aug. 10, 1929.

Ser. No. 289,471. MARLBORO WIRE GOODS COMPANY, Marlboro, Mass. Filed Sept. 7, 1929.



The trade-mark consists of a symmetrical figure, colored green, as shown in accompanying drawing. Representation of goods disclaimed.

For Soap Dishes, Toothbrush Holders of the Wall Variety, Wall Brackets, Tumbler Holders, Towel Racks, Toilet-Paper Brackets, Bathroom Shelving for Toilet Articles. Claims use since Aug. 5, 1929.

Ser. No. 290,460. FRIEDMAN SILVER CO., INC., Brooklyn, N. Y. Filed Oct. 1, 1929.

Pilgrim

For Table Hollow Ware of Base Metal—Namely, Pewter Hollow Ware Unplated with Precious Metal. Claims use since Mar. 20, 1929.

Ser. No. 291,354. NU-ART COOK-WARE CORPORATION, Chicago Ill. Filed Oct. 21, 1929.

**NU-ART
COOK-WARE**

The word "Cook-Ware" is disclaimed apart from its use as shown in the drawing.

For Triplicate Sets Consisting of Three Pans, Each of Which Fits into Another; Waffle Molds, Frying Pans, Preserving Kettles, Round Roasters, Saucepans, Turkey Roasters, Teakettles, Coffeepots, Casseroles, Double Frying Pans, Combination Roasters, Oval Roasters, Combination Griddles and Broilers, All of the Above-Mentioned Articles are Made of Base Metal. Claims use since Sept. 9, 1929.

Ser. No. 291,609. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis. Filed Oct. 28, 1929.

Jamesway

The words "Trade Mark, Ft. Atkinson, Wis., Elmira, N. Y." are disclaimed apart from the mark as shown. The shading in the drawing is for red and blue color.

For Metal Gutter and Manger Drains, Metal Gates, Harness and Saddle Hooks, Standard and Special Metal Cow Stalls, Metal Stall Frames; Metal Calf, Cow, Bull, and Hog Pens; Metal Cattle Stanchions, Feeding Hay-racks, Metal Horse Stalls, Pressure and Gravity Animal Drinking Cups, and Poultry-Roost Supports. Claims use since Mar. 1, 1921.

Ser. No. 292,174. OLIVER IRON & STEEL CORPORATION, Pittsburgh, Pa. Filed Nov. 8, 1929.



For Bolts. Claims use since Oct. 2, 1929.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 291,580. RUSTLESS IRON CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 25, 1929.

SPECIAL DEFIRUST

The word "Special" is disclaimed apart from the mark shown on the drawing.

For Iron and Steel.

Claims use since Aug. 9, 1929.

Ser. No. 291,653. THE DUREAR CORPORATION, Newark, N. J. Filed Oct. 28, 1929.

PERLIT

For Cast Iron, Ferrous-Metal Castings of Standard and Special Shapes.

Claims use since Oct. 3, 1929.

CLASS 15

Oils and Greases

Ser. No. 287,502. STANAVO SPECIFICATION BOARD, assignor to Stanavo Specification Board, Inc., New York, N. Y., a Corporation of Delaware. Filed July 22, 1929.

STANAVO

For Lubricating Oils and Greases and Motor-Fuel Oils. Claims use since July 13, 1929.

Ser. No. 289,996. STANAVO SPECIFICATION BOARD, assignor to Stanavo Specification Board, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 19, 1929.



The drawing is lined for shading purposes only. The words "Net Contents Five Gallons" and "Aviation Engine Oil No. 140" are disclaimed apart from the mark shown in the drawing.

For Lubricating Oils and Greases and Motor-Fuel Oils. Claims use since July 13, 1929.

Ser. No. 290,745. WM. JAMES CRAFT, doing business as Craftoil Company, Glendale, Calif. Filed Oct. 7, 1929.



No claim is made to the separate words "Craft" and "Oil" contained in the unitary word "Craftoil" apart from the mark as shown.

For Lubricating Compounds and Oils. Claims use since Feb. 1, 1929.

Ser. No. 291,375. WESTCHESTER COUNTY AUTOMOTIVE SERVICE ASSOCIATION, INC., Yonkers, N. Y. Filed Oct. 21, 1929.

WESTCO

For Gasoline, Kerosene, Greases, Fuel Oils, and Lubricating Oil. Claims use since about Sept. 1, 1929.

Ser. No. 291,733. THE METAL LUBRICANT COMPANY, Columbus, Ohio. Filed Oct. 29, 1929.

METALUBE

For Lubricants for Gears, Bearings, Worm Drives, Chain Drives and Transmissions, and Lubricating Oils and Greases.

Claims use since Nov. 14, 1928.

CLASS 16

Paints and Painters' Materials

Ser. No. 289,515. EDGAR J. GRIFFING, Waterbury, Conn. Filed Sept. 9, 1929.

**Little
Wonder Polish**

The descriptive word "Polish" is hereby disclaimed apart from the mark as shown on the drawing.

For Furniture and Auto Polish. Claims use since June 1, 1928.

CLASS 17

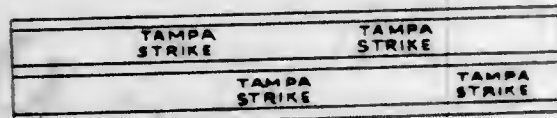
Tobacco Products

Ser. No. 290,822. COMPANIA TABACALERA NACIONAL, S. A., Habana, Cuba. Filed Oct. 9, 1929.



For Cigars.
Claims use since July, 1927.

Ser. No. 292,159. C. FLOYD, Tampa, Fla. Filed Nov. 8, 1929.



For Cigars.
Claims use since October, 1919.

Ser. No. 292,160. C. FLOYD, Tampa, Fla. Filed Nov. 8, 1929.

TAMPA STRIKE

For Cigars.
Claims use since October, 1919.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 269,170. YELLOW TAXI CORP. NEW YORK, New York, N. Y. Filed July 5, 1928.



The applicant desires to disclaim the use of the word "Sterling" when disassociated from the symbol shown in the drawing.

For Taxicabs.
Claims use since July 1, 1927.

Ser. No. 279,470. HAMILTON METALPLANE CO., Milwaukee, Wis. Filed Feb. 16, 1929.

Hamilton

The trade-mark is a facsimile of the handwriting of Thomas F. Hamilton, the president of the applicant corporation.

For Airplanes and Constructive or Structural Parts of Airplanes.
Claims use since April, 1927.

Ser. No. 290,518. NEW ERA MOTORS, INCORPORATED, New York, N. Y. Filed Oct. 2, 1929.



For Automobiles.
Claims use since April, 1929.

Ser. No. 291,764. EXPANDO COMPANY, Chicago, Ill. Filed Oct. 30, 1929.



For Automobile Bodies.
Claims use since Apr. 5, 1924.

Ser. No. 291,779. MONO-AIRCRAFT CORPORATION, Moline, Ill. Filed Oct. 30, 1929.

The Monosport

For Monoplanes.
Claims use since June 13, 1929.

Ser. No. 292,556. STAR AIRCRAFT COMPANY, Bartlesville, Okla. Filed Nov. 18, 1929.

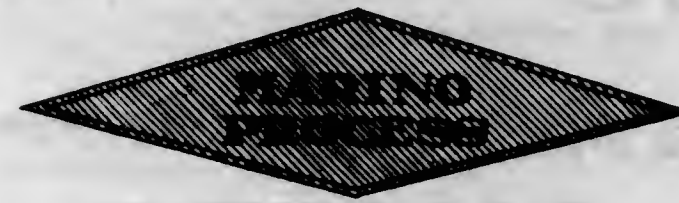
Cavalier

For Airplanes.
Claims use since Aug. 22, 1928.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 255,565. THE MARING WIRE COMPANY, Muskegon, Mich. Filed Oct. 3, 1927.



No claim is made to the exclusive use of the words "Maring Process" apart from the mark shown. The diamond in the drawing is lined to indicate the color green.
For Magnet Wire.
Claims use since on or about Aug. 1, 1919.

Ser. No. 273,789. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Oct. 18, 1928.

ZENITH RADIO
—LONG DISTANCE—
AUTOMATIC

No claim being made to the words "Long Distance" and "Automatic" as arbitrary marks apart from the mark shown in the drawing.

For Radio Receiving Sets and Parts Thereof and Apparatus for Association Therewith for Effecting the Adjustment of the Controls Thereof.
Claims use since Aug. 31, 1928.

Ser. No. 278,832. NATIONAL WIRING & PROTECTIVE CO. INC., Brooklyn, N. Y. Filed Oct. 15, 1928.

NATIONAL ALARMS

The word "Alarms" is disclaimed apart from the mark as shown.

For Burglar Alarms and Burglar-Alarm Systems.
Claims use since Oct. 1, 1927.

Ser. No. 274,205. THE COLSON COMPANY, Elyria, Ohio. Filed Oct. 24, 1928.

TELERING

For Vibratory Convertors for Alternating Currents.
Claims use since Sept. 26, 1928.

Ser. No. 282,528. CERAMIC MACHINERY COMPANY, doing business as Columbia Manufacturing Company, Hamilton, Ohio. Filed Apr. 17, 1929.



For Electrically-Operated Household Mixers.
Claims use since Aug. 1, 1928.

Ser. No. 284,322. THE CABLE COMPANY, Chicago, Ill. Filed May 20, 1929.



No claim being made to the word "Radio" as an arbitrary mark apart from the mark shown in the drawing.
For Radio Receiving Sets and Parts Thereof.
Claims use since May 9, 1929.

Ser. No. 288,221. THE CINCINNATI VICTOR COMPANY, Cincinnati, Ohio. Filed Aug. 7, 1929.

Victor

For Electric Fans, Electric Reflecting Heaters, and Electric Heaters Comprising a Combined Resistance Element and Fan.

Claims use since on or about Jan. 1, 1927, on electric fans; since on or about Jan. 1, 1926, on electric heaters; and since on or about Jan. 1, 1928, on ventilating apparatus.

Ser. No. 288,748. KNAPP-MONARCH COMPANY, St. Louis, Mo., and Webster City, Iowa. Filed Aug. 20, 1929.

"Therm-a-Hot"

For Electric Toasters, Electric Heating Pads for General Use, Portable Electric Room Heaters of the Reflecting or Glowing Type, Electric Sadrilons, Electric Grill Stoves, Electric Curling Irons, Electric Waffle Irons, Electric Corn Poppers, Electric Hot Plates, Electric Percolators.
Claims use since Sept. 1, 1927.

Ser. No. 288,749. KNAPP-MONARCH COMPANY, St. Louis, Mo., and Webster City, Iowa. Filed Aug. 20, 1929.

MONARCH

For Electric Toasters, Electric Heating Pads for General Use, Portable Electric Room Heaters of the Reflecting or Glowing Type, Electric Sadirons, Electric Grill Stoves, Electric Curling Irons, Electric Waffle Irons, Electric Corn Poppers, Electric Hot Plates, Electric Percolators. Claims use since about Sept. 1, 1927.

Ser. No. 290,572. JAMES D. HENDERSON, Chicago, Ill. Filed Oct. 3, 1929.

FLASH-URAD

For Electrical Advertising Display Cabinets and Electrical Advertising Match and Toothpick Dispensers. Claims use since Feb. 1, 1926.

Ser. No. 290,611. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 3, 1929.

KITCHEN MARVEL

For Electrical Devices Used in the Kitchen for Beating, Whipping, Grating, Polishing, Grinding, and Mixing. Claims use since June 29, 1929.

Ser. No. 291,389. WARNER D. HINTON, Oakland, Ky. Filed Oct. 22, 1929.



For Spark Plugs. Claims use since June, 1929.

Ser. No. 291,442. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Oct. 23, 1929.

LIGHT-O-MATIC

For Radio Receiving Sets. Claims use since June 8, 1929.

Ser. No. 291,610. DRIVER-HARRIS COMPANY, Harrison, N. J. Filed Oct. 26, 1929.

MAGNO

For Resistance Wire, Rods, and Strands, Ribbon, Strips, and Sheets. Claims use since June 16, 1919.

Ser. No. 291,611. DRIVER-HARRIS COMPANY, Harrison, N. J. Filed Oct. 26, 1929.

LUCERO

For Resistance Wire, Rods, and Strands, Ribbon, Strips, and Sheets. Claims use since Nov. 28, 1916.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 283,473. STOX, INC., Chicago, Ill. Filed May 3, 1929.

STOCK EXCHANGE

For Board Games Such as Table Board Games, Black-board Games, and Games of the Easel Type. Claims use since Feb. 18, 1929.

Ser. No. 285,835. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed June 19, 1929.

SALPA

For the Following Sporting Goods—Namely, Basket Balls, Footballs, Baseballs, Baseball Mitts, and Gloves, Football Helmets, Knee Protectors, Shin Protectors, Football Elbow Pads, Football Shoulder Pads, Trimmings on Polo and Golf Sticks or Clubs, Trimmings on Baseball and Hockey Masks, Golf Bags, Bridge Sets, Coverings for Toy Banks, Trimmings and Straps on Roller and Ice Skates, Fishing-Rod and Reel Covers, Skate Receptacles, and Tennis-Racket Covers. Claims use since July 15, 1927.

Ser. No. 285,836. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed June 19, 1929.



For the Following Sporting Goods—Namely, Basket Balls, Footballs, Baseballs, Baseball Mitts and Gloves, Football Helmets, Knee Protectors, Shin Protectors, Football Elbow Pads, Football Shoulder Pads, Trimming on Polo and Golf Sticks or Clubs, Trimmings on Baseball and Hockey Masks, Golf Bags, Bridge Sets, Coverings for Toy Banks, Trimmings and Straps for Roller and Ice Skates, Skate Receptacles, Tennis-Racket Covers, Fishing Rod and Reel Covers. Claims use since July 15, 1927.

Ser. No. 291,194. MAIN TOY COMPANY, Oskaloosa, Iowa. Filed Oct. 17, 1929.

KRAZY-IKES

Applicant disclaims the representation of the goods apart from the other features of the mark as shown. For Toy Building Blocks. Claims use since about Dec. 1, 1928.

Ser. No. 292,414. PARKER BROTHERS INC., Portland, Me., and Salem, Mass. Filed Nov. 14, 1929.

WEI-CHI

For Game Board. Claims use since Nov. 5, 1929.

Ser. No. 292,553. RAWLINGS MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 18, 1929.

PROTEX

For Indoor and Outdoor Playballs. Claims use since Sept. 23, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 273,379. REFINOIL MANUFACTURING CORPORATION, Kansas City, Mo. Filed Oct. 4, 1923.



For Machine or Apparatus for Reclaiming Lubricating Oils. Claims use since June 1, 1926.

Ser. No. 290,588. THE NATIONAL DRYING MACHINERY CO., Philadelphia, Pa. Filed Oct. 3, 1929.



For Cloth-Drying Machines and Drying Machines for Pulp Paper, Yarn. Claims use since Sept. 8, 1929.

Ser. No. 292,084. ARDMORE MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 6, 1929.

SNOW-MASTER

For Hand Tools in the Nature of Shovels Peculiarly Adapted for Removing Snow and Slush from Sidewalks and the Like. Claims use since Sept. 1, 1929.

Ser. No. 292,091. ATLANTIC GEAR WORKS INC., Brooklyn, N. Y. Filed Nov. 7, 1929.



For Noiseless Gears and Pinions. Claims use since Oct. 1, 1929.

Ser. No. 292,514. THE ACME SHEAR COMPANY, INCORPORATED, Bridgeport, Conn. Filed Nov. 18, 1929.

BIRTHSTONE

For Shears and Scissors. Claims use since Sept. 11, 1929.

CLASS 24

Laundry Appliances and Machines

Ser. No. 292,193. ALTORFF BROS. COMPANY, East Peoria, Ill. Filed Nov. 9, 1929.



For Laundry Washing Machines. Claims use since Oct. 1, 1929.

Ser. No. 292,576. CHARLES H. CANFIELD, doing business as Handy Washer Company, Syracuse, N. Y. Filed Nov. 19, 1929.

TRUAID

For Laundry Washing Machines. Claims use since Nov. 9, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 273,482. VEEDER-ROOT INCORPORATED, Hartford, Conn. Filed Oct. 6, 1928.

Veeder-Root

For Mechanical Counting and Indicating Devices Comprising Cyclometers, Odometers, Tachometers, Tachodometers, and Registers and Counters for Revolutions and Rotations and for the Movements of Any Moving Part of Speedometers, Telephones, Typewriter Word Counters, Loom Picks, Knitting Machines, Sewing Machines, Braiding Machines, Hand Tailies, and Other Machines in Which the Movements of a Particular Moving Part is to be Counted.

Claims use since about May 1, 1928.

Ser. No. 282,791. BENJAMIN LEWIS PADGETT, Los Angeles, Calif. Filed Apr. 22, 1929.



COSMOMETER

The exclusive right to the words "Trade Mark" and "Copyright 1929" are disclaimed by the applicant. For Graph Boards. Claims use since on or about Mar. 18, 1929.

Ser. No. 289,873. JOHN CHATILLON & SONS, New York, N. Y. Filed Sept. 17, 1929.



The representation of a scale beam and stand apart from the mark shown is disclaimed. For Weighing Scales. Claims use since about Feb. 1, 1928.

Ser. No. 291,981. HANOVER ELECTRIC COMPANY, INC., New York, N. Y. Filed Nov. 4, 1929.

ELECTRO-LENS

The word "Lens" is disclaimed apart from the mark as shown. For Illuminated Reading Glasses. Claims use since Oct. 5, 1929.

Ser. No. 292,113. MIRAKEL OPTICAL CO., Mount Vernon, N. Y. Filed Nov. 7, 1929.



For Binoculars. Claims use since Apr. 1, 1929.

Ser. No. 292,292. SOFT-LITE LENS CO., INC., New York, N. Y. Filed Nov. 11, 1929.



No claim is made to any right to the exclusive use of the word "Lenses" apart from the mark as filed. For Ophthalmic Lenses and Blanks. Claims use since Sept. 21, 1929.

CLASS 27

Horological Instruments

Ser. No. 292,207. EDWARD GOLDSTEIN, doing business as Baguette Watch Company, New York, N. Y. Filed Nov. 9, 1929.

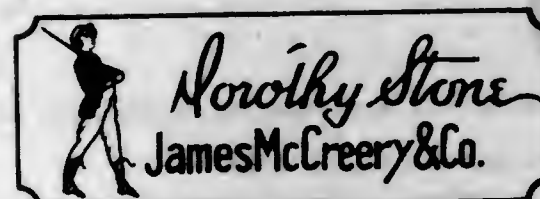
BAGUETTE - WATCH

The exclusive right to the registration of the word "Watch" apart from the mark shown is hereby disclaimed. For Watches. Claims use since about February, 1927.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 290,901. JAMES MCCREERY & COMPANY, New York, N. Y. Filed Oct. 10, 1929.



The name "Dorothy Stone" is the signature of the famous actress of that name, the daughter of the well-known actor, Fred Stone. For Necklaces and Bracelets. Claims use since on or about September, 1929.

Ser. No. 291,816. COHN & ROSENBERGER, INC., New York, N. Y. Filed Oct. 31, 1929.

METALITE

For Necklaces, Bracelets, Earrings, Finger Rings, and Anklets, and for Vanity Cases, Cigarette Cases, Hat Ornaments, Mesh Bags, and Mesh-Bag Frames, Made Wholly or in Part of or Plated with Precious Metal. Claims use since Oct. 1, 1929.

Ser. No. 291,817. COHN & ROSENBERGER, INC., New York, N. Y. Filed Oct. 31, 1929.

DUETTE

For Finger Rings, Necklaces, Bracelets, Earrings, and Brooches, and for Hatpins, Hat Ornaments, Necklace Clasps, Vanity Cases, Cigarette Cases, Mesh Bags, and Mesh-Bag Frames, Made Wholly or in Part of or Plated with Precious Metal.

Claims use since Oct. 1, 1929.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 290,805. VELVETKNIT CORPORATION, Syracuse, N. Y. Filed Oct. 8, 1929.



The word "Cloth" and the phrases "Soft as Down" and "No Lint" not being claimed apart from the other features of the mark.

For Knitted Cloth to be Used for the Purpose of Cleaning Automobiles, Furniture, and the Polished Surfaces of Other Articles.

Claims use since Mar. 20, 1929.

Ser. No. 292,135. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Nov. 7, 1929.

BONDED

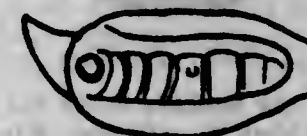
For Toothbrushes and Shaving Brushes. Claims use since June 6, 1929.

CLASS 32

Furniture and Upholstery

Ser. No. 271,774. SOCIETA INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.

SALPA



For Tailored Covers Made of Leather Manufactured from Scraps of Real Leather for Pillows, and Cushions, Seats, Backs, and Arms of Chairs of All Kinds; Sofas, Davenport, Divans, Couches, and Upholstered Furnitures of All Kinds; Covers for Cabinets, Tables, and Bookcases of All Kinds.

Claims use since July 15, 1927.

Ser. No. 271,779. SOCIETA INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.

SALPA

For Tailored Covers Made of Leather Manufactured from Scraps of Real Leather for Pillows, and Cushions, Seats, Backs, and Arms of Chairs of All Kinds; Sofas, Davenport, Divans, Couches, and Upholstered Furniture of All Kinds; Covers for Cabinets, Tables, and Bookcases of All Kinds.

Claims use since July 15, 1927.

Ser. No. 279,518. THE INDUSTRIAL HOME FOR THE BLIND, Brooklyn, N. Y. Filed Feb. 16, 1929.

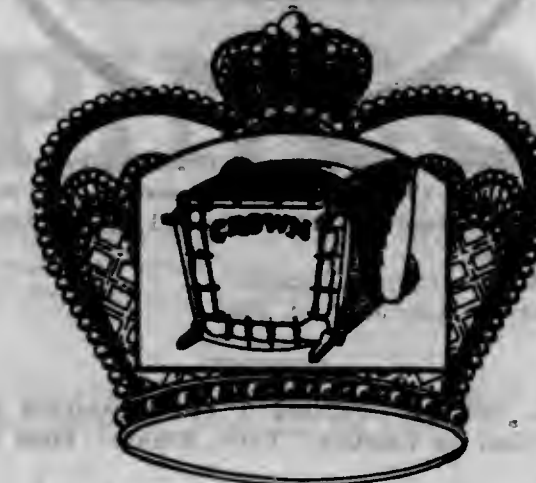


LIGHT BUOY

For Cane, Fibre, Wood, Leather, Metal, and Compo Board (and Other Machine Pressed), Flag Splines, and Splint Seats for Chairs and Other Articles of Furniture and Plain Upholstery.

Claims use since fall of 1928.

Ser. No. 283,648. JACOB KRONHEIM, Cleveland, Ohio. Filed May 8, 1929.



The representation of the goods is disclaimed apart from the mark shown on the drawing.

For Resilient Seats for Couches, Chairs, and Davenport, Including Attachment Clamps, Wires, Woven Material, and Suspension Springs for Such Seats.

Claims use since Nov. 13, 1928.

Ser. No. 292,019. THE WATERBURY MATTRESS COMPANY,
Waterbury, Conn. Filed Nov. 4, 1929.



For Bed Springs, Pillows, Mattresses, Couches, and Day
Beds.
Claims use since Aug. 1, 1929.

CLASS 34

Heating, Lighting, and Ventilating Apparatus, Not
Including Electrical Apparatus

Ser. No. 279,652. IRON FIREMAN MANUFACTURING COM-
PANY, Portland, Oreg. Filed Feb. 20, 1929.



The applicant is the owner of Trade-Marks No. 195,811,
issued Mar. 3, 1925; No. 248,719, issued Oct. 30, 1928;
No. 252,678, issued Feb. 12, 1928; and No. 256,830, issued
May 21, 1929.

For Automatic Coal Burners.
Claims use since June 16, 1926.

Ser. No. 282,260. SOCIÉTÉ À RESPONSABILITÉ LIMITÉE
DITE "GUY DE VADIMON," Paris, France. Filed Apr. 11,
1929.

de Vadimon

For Pyrophoric and Friction Lighters.
Claims use since Feb. 11, 1929.

Ser. No. 283,035. FLANNERY MANUFACTURING COMPANY,
Pittsburgh, Pa. Filed Apr. 26, 1929.

NICLAD

For Pots for Holding Baths for Heat Treating and the
Like to be Heated.
Claims use since Mar. 14, 1929.

Ser. No. 289,736. WM. FILENE'S SONS COMPANY, Boston,
Mass. Filed Sept. 13, 1929. Under section 5b of the
act of 1905, as amended in 1920.

Filene's

For Friction Cigarette Lighters, Friction Table Lighters,
Fillers for Lighters; Wooden, Pewter, and Brass Candle-
sticks; and Statuary Candlesticks.
Claims use since on or about Jan. 1, 1928.

Ser. No. 291,052. THE CUNNINGHAM PRODUCTS CORPORA-
TION, New York, N. Y. Filed Oct. 14, 1929.

NEW YORKER

For Friction and Pyrophoric Lighters.
Claims use since February, 1929.

Ser. No. 291,670. JAMES MANUFACTURING COMPANY, Fort
Atkinson, Wis. Filed Oct. 28, 1929.

Jamesway

The shading in the drawing is for red and blue color.
The words "Trade-Mark Ft. Atkinson, Wis. Elmira, N. Y."
are disclaimed apart from the mark as shown.
For Equipment—Namely, Metal Gravity Roof Ventila-
tors; Gravity Ventilating Systems for Farm Use Consist-
ing of Gravity Roof Ventilators, Flues, Louvers, Valves,
and Accessories and Parts Therefor; Brooder Stoves, Both
Coal and Oil Burning; Coal and Oil Poultry-House Heating
Systems.

Claims use since Mar. 1, 1921.

CLASS 35

Belting, Hose, Machinery Packing, and Non-
metallic Tires

Ser. No. 285,833. SOCIETÀ INVENZIONI BREVETTI ANONIMA-
TORINO, Turin, Italy. Filed June 19, 1929.

SALPA

For Sheet Packings, Jointings in the Nature of Pack-
ing, Flexible Couplings, Washers, Fan Belts, Machine Belts,
and Gaskets, All Made of Leather Manufactured from
Scraps of Real Leather.

Claims use since July 15, 1927.

Ser. No. 285,834. SOCIETÀ INVENZIONI BREVETTI ANONIMA-
TORINO, Turin, Italy. Filed June 19, 1929.

SALPA

For Sheet Packings, Jointings in the Nature of Pack-
ings, Flexible Couplings, Washers, Fan Belts, Machine
Belts, and Gaskets, All Made of Leather Manufactured
from Scraps of Real Leather.

Claims use since July 15, 1927.

Ser. No. 288,480. CHESTER M. ROX, doing business as
Universal Packing Manufacturing Co., New York, N. Y.
Filed Aug. 13, 1929.



The Universal Packing

No claim is made to the exclusive use of the expression
"The Universal Packing" apart from the mark as shown
in the drawing.

For Asbestos Metallic Gaskets, Asbestos Metallic Sheet
Packing, Asbestos Metallic Tape Packing for Steam Joints,
Asbestos Sheet Packing, Oil Sheet Packing, Fibrous Rub-
ber Sheet Packing and Fibrous Rubber Wire Insertion
for Joints, Fibrous Oilproof Sheet Packing, Cloth-Insertion
Packing, Rubber Valves, Asbestos Spyro Packing, Asbestos
Metallic Packing, Cotton Spiral Packing, Cotton Rings
Packing, Cotton Diagonal Packing, Asbestos Valve-Stem
Packing, Braided-Flax Packing, Flax Hydraulic Packing,
Channel Flax Packing, Duck Hydraulic Packing, Flax
Metallic Hydraulic Packing, Rubber Packing Rings, As-
bestos Wick Packing, Plunger Rings for Packing Pump
Plungers, and Piston Packing.

Claims use since on or about Nov. 15, 1927.

Ser. No. 291,956. VICTOR BALATA & TEXTILE BELTING CO.,
New York, N. Y. Filed Nov. 4, 1929.

CARRYTEX

For Solid Woven Belt.
Claims use since Oct. 1, 1929.

Ser. No. 291,957. VICTOR BALATA & TEXTILE BELTING CO.,
New York, N. Y. Filed Nov. 4, 1929.

WEARTEX

For Solid Woven Belt.
Claims use since Oct. 1, 1929.

CLASS 36

Musical Instruments and Supplies

Ser. No. 288,751. LIMIT ENGINEERING CO. LTD., London,
England. Filed Aug. 20, 1929.

LIMIT

For Talking Machines and Parts Thereof Consisting of
Sound Boxes, Tone Arms, Spring Motors, Horns, Turn-
tables, Needles, Needle Containers, and Records.
Claims use since Aug. 24, 1920.

Ser. No. 291,880. M. HOHNER, INC., New York, N. Y.
Filed Oct. 31, 1929.

TANGO

For Mouth Harmonicas.
Claims use since 1920.

CLASS 37

Paper and Stationery

Ser. No. 281,789. PINCO PAPERS, INCORPORATED, Camden,
N. J. Filed Apr. 3, 1929.

PINCO

For Decorative Papers, Particularly Wrapping Paper;
and Decorative Covering Paper.
Claims use since Jan. 1, 1921.

Ser. No. 287,848. SCHWAN-BLEISTEFT-FABRIK A.-G., Nu-
remberg, Germany. Filed July 29, 1929.

Tenax

For Lead Pencils, Coloured Pencils, and Copying Pencils.
Claims use since Sept. 30, 1926.

Ser. No. 289,431. WYOMING VALLEY PAPER MILL, Northumberland, N. H., and New York, N. Y. Filed Sept. 6, 1929.



The picture shown in the drawing is fictitious. All the wording appearing on the drawing except the words "Dr. Warren" are disclaimed apart from the mark shown. For Toilet Paper. Claims use since July 25, 1929.

Ser. No. 289,432. WYOMING VALLEY PAPER MILL, Northumberland, N. H., and New York, N. Y. Filed Sept. 6, 1929.



The words "Fine, Soft, Silk Tissue" appearing on the drawing are disclaimed apart from the mark as shown. For Toilet Paper. Claims use since July 10, 1929.

CLASS 38

Prints and Publications

Ser. No. 290,207. BRYAN DAVIS PUBLISHING CO. INC., New York, N. Y. Filed Sept. 25, 1929.

**PROJECTION
ENGINEERING**

For Monthly Magazine. Claims use since Sept. 1, 1929.

Ser. No. 292,272. CHARLES H. MCCARTHY, Minneapolis, Minn. Filed Nov. 11, 1929.

The Country Magazine

Applicant disclaims exclusive use of the words "The" and "Magazine" apart from the mark shown. For Quarterly Publication. Claims use since Oct. 8, 1929.

Ser. No. 292,329. NATIONAL PAPER AND TYPE COMPANY, INC., New York, N. Y. Filed Nov. 12, 1929.

**EL ARTE
TIPOGRÁFICO**

For Periodical. Claims use since January, 1908.

CLASS 39

Clothing

Ser. No. 271,154. THE UNITED STATES SHOE COMPANY, Cincinnati, Ohio. Filed Aug. 16, 1928.



Exclusive use of the representation of a shoe sole is not claimed. Applicant's mark consists of two longitudinal markings, one along each side of the shoe sole, leaving a narrow tan band extending down the center of the shank. For Men's, Women's, and Children's Shoes. Claims use since Aug. 7, 1928.

Ser. No. 271,775. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.

SALPA



For Articles of Personal Wear Made of Leather Manufactured from Scraps of Real Leather—Namely, Sport Suits, Coats, Ulsters, Jackets, Windbreakers, Raincoats, Hats, Caps, Boots, Shoes, Slippers, Sandals, Moccasins, Soles and Heels for Boots and Shoes, Leggings, Gaiters, Spats and Puttees for Men and Women, Women's Dresses, Men's Breeches, Aprons, Sashes, Girdles, Belts, Stocking and Sock Supporters, Suspenders, Sweatbands, Gauntlets, Gloves, and Mittens. Claims use since July 15, 1927.

Ser. No. 271,780. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.

SALPA

For Articles of Personal Wear Made of Leather Manufactured from Scraps of Real Leather—Namely, Sport Suits, Coats, Ulsters, Jackets, Windbreakers, Raincoats, Hats, Caps, Boots, Shoes, Slippers, Sandals, Moccasins, Soles and Heels for Boots and Shoes, Leggings, Gaiters, Spats and Puttees for Men and Women, Women's Dresses, Men's Breeches, Aprons, Sashes, Girdles, Belts, Stocking and Sock Supporters, Suspenders, Sweatbands, Gauntlets, Gloves, and Mittens. Claims use since July 15, 1927.

Ser. No. 273,290. THE FASHION SHOP, Washington, D. C. Filed Oct. 3, 1928.

RONDO

For Men's, Children's, and Women's Clothing—Namely, Suits, Topcoats, Overcoats, Raincoats, Trousers, Knickers, Dress, Negligee, and Work Shirts Made of Knitted, Netted, and Textile Fabric, Pajamas, Belts for Outer Wear, Suspenders, Garters, Sweaters, Slickers, Collars, Cravats, Scarfs, Nightshirts, Dressing Robes, Dressing Gowns, Shoes Made of Leather, Rubber, and Fabric and Combination Thereof, and Hats. Claims use since March, 1926.

Ser. No. 273,291. THE FASHION SHOP, Washington, D. C. Filed Oct. 3, 1928.



For Men's, Children's, and Women's Clothing—Namely, Suits, Topcoats, Overcoats, Raincoats, Trousers, Knickers, Dress, Negligee, Work, and Under Shirts Made of Knitted, Netted, and Textile Fabric, Hosiery, Pajamas, Belts for Outer Wear, Suspenders, Garters, Sweaters, Gloves Made of Leather, Rubber or Fabric or Combination Thereof, Slickers, Collars, Cravats, Nightshirts, Underwear Made of Knitted, Netted, or Textile Fabric, Dressing Robes, Dressing Gowns. Claims use since March, 1925.

Ser. No. 284,767. G. W. ALEXANDER & CO., INC., Reading, Pa. Filed May 29, 1929.



No claim being made for the word "Hats" apart from the mark shown in the drawing. For Men's and Women's Fur-Felt Hats, Commonly Called Felt Hats. Claims use since Oct. 1, 1928.

Ser. No. 286,331. INTERNATIONAL SHIRT CORPORATION, New York, N. Y. Filed June 28, 1929.

**PARK
AVENUE**

For Dress Shirts for Men. Claims use since Apr. 10, 1929.

Ser. No. 288,176. CARLISLE SHOE COMPANY, Carlisle, Pa. Filed Aug. 6, 1929.

**CARLISLE
FETHER-WATE
PROCESS**

Applicant does not assert any exclusive right to the words "Carlisle, Fether-Wate" and "Process" except in connection with the mark as shown. For Leather Boots and Shoes. Claims use since July 1, 1929.

Ser. No. 289,006. CHETWODE INC., New York, N. Y. Filed Aug. 26, 1929.

**Chetwode
Hosiery**

The word "Hosiery" is disclaimed apart from the other features of the mark shown on the drawing. For Ladies' Stockings. Claims use since Aug. 14, 1929.

Ser. No. 289,085. PEARLMAN BROTHERS, New York, N. Y. Filed Aug. 27, 1929.



The exclusive right to the words "Shrunk-Proof" is disclaimed apart from the trade-mark shown on the drawing. For Hats and Caps for Men and Boys. Claims use since July 15, 1929.

Ser. No. 289,700. WASHINGTON MANUFACTURING CO., Nashville, Tenn. Filed Sept. 12, 1929.



For Work Clothing—Namely, Overalls, Work Shirts, Work Pants, and Coveralls or Combination Overall Suits. Claims use since Aug. 12, 1929.

Ser. No. 290,147. ERNEST L. RHODES COMPANY, Atlanta, Ga. Filed Sept. 23, 1929.



Applicant disclaims the right to the exclusive use of the expression "Correct Style" except in the arrangement and association in which it appears with the rest of the trademark as shown on the drawing.

For Ladies' Hats.
Claims use since Jan. 1, 1929.

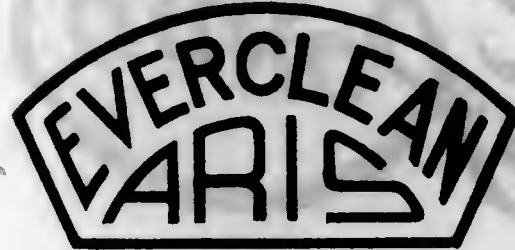
Ser. No. 290,435. STEINBERGER BROS. GLOVE CORP., San Francisco, Calif., and New York, N. Y. Filed Sept. 30, 1929.



No claim being made to the exclusive use of the word "Wearclean" apart from the mark as shown in the drawing.

For Leather and Fabric Gloves.
Claims use since Sept. 14, 1929.

Ser. No. 290,436. STEINBERGER BROS. GLOVE CORP., San Francisco, Calif., and New York, N. Y. Filed Sept. 30, 1929.



No claim being made to the exclusive use of the word "Everclean" apart from the mark as shown in the drawing. For Leather and Fabric Gloves.
Claims use since Sept. 14, 1929.

Ser. No. 290,648. AARON I. BINSKY, INC., New York, N. Y. Filed Oct. 4, 1929.



The portrait shown on the specimens and appearing on the drawing is that of the famous Flemish painter. No claim is made to the term "Fabrics" separate and apart from the mark shown.

For Men's and Women's Outer Clothing—Namely, Suits, Pants, Knickers, Top and Over Coats.
Claims use since Aug. 1, 1929.

Ser. No. 290,824. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed Oct. 9, 1929.



The picture is fanciful.
For Millinery—Namely, Misses' and Children's Hats.
Claims use since Sept. 1, 1929.

Ser. No. 290,907. PREFERRED SHIRT CO., INC., New York, N. Y. Filed Oct. 10, 1929.



For Men's and Boys' Dress, Negligee, and Work Shirts, Windbreakers, Pajamas, and Underwear Made of Cotton, Linen, Rayon, Flannel, Wool, Worsted, Silk, and Other Textiles.

Claims use since April, 1928.

Ser. No. 290,941. BERNARD EPSTEIN, New York, N. Y. Filed Oct. 11, 1929.



For Skirts.
Claims use since about Aug. 15, 1929.

Ser. No. 291,242. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 18, 1929.



The word "De Luxe" forms a part of the registration sought only in association with the other features of the mark shown on the drawing. The word "Felts" disclaimed.
For Men's Felt Hats.
Claims use since Sept. 6, 1929.

Ser. No. 291,297. SOBEL SHOE CO. INC., Boston, Mass. Filed Oct. 19, 1929.



For Shoes Constructed of the Combination of Leather, Rubber, and Fabric.
Claims use since September, 1928.

Ser. No. 291,517. THE MANHATTAN SHIRT CO., New York, N. Y. Filed Oct. 24, 1929.



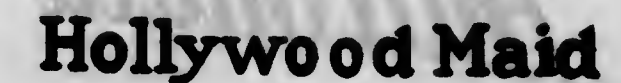
For Negligee Shirts, Pajamas, and Underwear—Namely, Undershirts and Underdrawers.
Claims use since July 1, 1929.

Ser. No. 291,770. THE JAEGER COMPANY, INC., New York, N. Y. Filed Oct. 30, 1929. Under 10-year proviso.



For Woolen Slippers, Woolen Abdominal Bands, Woolen Knee Warmers, Woolen Gloves, Woolen Scarves, Woolen Bath Robes, Woolen Hats and Caps, Woolen Sleeping Bags, Silk Ties, Camel's-Hair Coats for Men, Women, and Children, Bathing Suits, Sweaters, Women's and Children's Dresses, and Children's Shorts.
Claims use since Apr. 19, 1887.

Ser. No. 291,789. RICE-KLEIN CO., Los Angeles, Calif. Filed Oct. 30, 1929.



For Women's and Children's Underwear of Woven Silk Fabric.
Claims use since Oct. 12, 1928.

Ser. No. 291,795. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 30, 1929.



For Women's Hats.
Claims use since Sept. 29, 1929.

Ser. No. 291,838. PILOT HOSIERY MILLS, INCORPORATED, Lexington, N. C. Filed Oct. 31, 1929.

Pilot

For Socks.
Claims use since Mar. 1, 1928.

Ser. No. 291,888. THE PRIMITE TEXTILE COMPANY, INC., Cincinnati, Ohio. Filed Nov. 1, 1929.

PRIMLEE

For Ladies', Men's, and Children's Hosiery and Knitted and Textile Underwear in One and Two Piece Garments.
Claims use since on or about Oct. 15, 1929.

Ser. No. 291,946. WINSHIP, BOIT & CO., Wakefield, Mass. Filed Nov. 2, 1929.

Adirondia

For Men's, Women's, and Children's Underwear, Including Sport Shirts, Undershirts, Union Suits, Drawers, Tights, Trunks, Bloomers, and on Infants' Shirts and Bands.
Claims use since on or about Oct. 18, 1929.

Ser. No. 291,959. BERLEI LIMITED, Sydney, New South Wales, Australia. Filed Nov. 4, 1929.

BERLEI

For Corsets and Brassières.
Claims use since Oct. 1, 1917.

Ser. No. 292,025. SAMUEL I. BURD, doing business as Burd Buyers Service, Philadelphia, Pa. Filed Nov. 5, 1929.

Prestige

For Hosiery.
Claims use since July 30, 1929.

Ser. No. 292,046. R. F. POOL, JR., MANUFACTURING CO., McKinney, Tex. Filed Nov. 5, 1929.

Poolbilt

For Men's Underwear and Men's Pajamas.
Claims use since March, 1928.

Ser. No. 292,093. BOWMAN HAT COMPANY, Knoxville, Tenn. Filed Nov. 7, 1929.

ARCHER

For Men's Hats and Caps.
Claim use since on or about September, 1923.

Ser. No. 292,107. E. L. GREENE KNITTING MILLS, INC., Bath, N. Y. Filed Nov. 7, 1929.



For Bathing Suits.
Claims use since Oct. 3, 1929.

Ser. No. 292,126. RUFUS W. SCOTT COMPANY, New York, N. Y. Filed Nov. 7, 1929.

LOUCENE

For Hosiery.
Claims use since Sept. 24, 1929.

Ser. No. 292,210. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Nov. 9, 1929.

SIR GALAHAD

For Boys' Hosiery.
Claims use since May 1, 1929.

Ser. No. 292,230. RUFUS W. SCOTT COMPANY, New York, N. Y. Filed Nov. 9, 1929.



For Hosiery.
Claims use since Sept. 1, 1928.

Ser. No. 292,269. LORD & TAYLOR, New York, N. Y. Filed Nov. 11, 1929.

PROMENADE

For Boots, Shoes, and Slippers of Leather, Rubber, or Canvas.
Claims use since on or about Oct. 23, 1929.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 271,776. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.



For Articles Made of Leather Manufactured from Scraps of Real Leather—Namely, Shoe Laces, Needle Cases, Thimble Cases, Comb Cases, Buttons, Wrist-Watch Straps, Drapery Trimmings, Upholstery Trimmings, Needle Kits, Dress Ornaments and Bindings, Artificial Flowers, Hat Trimmings in the Nature of Bandings, and Hat Ornaments.
Claims use since July 15, 1927.

Ser. No. 271,781. SOCIETÀ INVENZIONI BREVETTI ANONIMA-TORINO, Turin, Italy. Filed Aug. 30, 1928.

SALPA

For Articles Made of Leather Manufactured from Scraps of Real Leather—Namely, Shoe Laces, Needle Cases, Thimble Cases, Comb Cases, Buttons, Wrist-Watch Straps, Drapery Trimmings, Upholstery Trimmings, Needle Kits, Dress Ornaments and Bindings, Artificial Flowers, Hat Trimmings in the Nature of Bandings, and Hat Ornaments.
Claims use since July 15, 1927.

389 O. G.—67

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 277,577. R. A. FIGLI DI GIUSEPPE GALLINA, Chieri, Italy. Filed Jan. 4, 1929.



The lines on the drawing indicating shading only.
For Bedcovers, Coverlets, Coverings, Counterpanes, Made of Cotton, Artificial Silk, and of a Mixture of Cotton and Artificial Silk.
Claims use since Jan. 1, 1908.

Ser. No. 289,386. BIGELOW-HARTFORD CARPET COMPANY, Thompsonville, Conn. Filed Sept. 6, 1929.

BIGELOW HARTFORD

No claim is made to the word "Hartford" apart from the mark shown in the drawing. Applicant is the owner of registration No. 47,212, renewed, for the word "BigeLOW" under the 10-year proviso.

For Woven Textile Rugs and Carpets.
Claims use since June, 1927.

Ser. No. 290,756. W. S. LIBBEY COMPANY, Lewiston, Me. Filed Oct. 7, 1929.

COLORCOVER

For Blankets Made of Cotton and Wool and Combinations of These Materials.
Claims use since Sept. 27, 1929.

Ser. No. 292,393. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 14, 1929.

THEATRE PRINTS

No claim is made to the word "Prints" apart from the mark as shown.

For Fabrics Made Wholly or Partially of Cellulose Derivatives.

Claims use since about Nov. 13, 1929.

Ser. No. 292,501. MADISON WOOLEN COMPANY, Madison, Me. Filed Nov. 16, 1929.

Speedster

For Woolen Piece Goods and Woolen Piece Goods Especially Adapted to be Used for Ladies' Coats.
Claims use since Aug. 16, 1929.

Ser. No. 292,502. MADISON WOOLEN COMPANY, Madison, Me. Filed Nov. 16, 1929.

**SPORTLAND
FLEECE**

No claim being made to the exclusive use of the word "Fleece" apart from the mark as shown in the drawing.
For Woolen Piece Goods and Woolen Piece Goods Especially Adapted to be Used for Ladies' Coats.
Claims use since Sept. 30, 1929.

Ser. No. 292,503. MADISON WOOLEN COMPANY, Madison, Me. Filed Nov. 16, 1929.

Avic Cloth

No claim being made to the exclusive use of the word "Cloth" apart from the mark as shown in the drawing.
For Woolen Piece Goods and Woolen Piece Goods Especially Adapted to be Used for Ladies' Coats.
Claims use since Sept. 25, 1929.

Ser. No. 292,696. THE WESTERN SHADE CLOTH COMPANY, Chicago, Ill. Filed Nov. 21, 1929.

TOULAINÉ

For Window-Shade Cloth.
Claims use since Mar. 15, 1929.

Ser. No. 292,711. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Nov. 22, 1929.

Supervel

For Plie Fabrics in the Piece.
Claims use since Nov. 18, 1929.

Ser. No. 292,806. HOLLAND & SON, New York, N. Y. Filed Nov. 23, 1929.

SOKOL

For Silk Piece Goods.
Claims use since Sept. 9, 1929.

CLASS 43

Thread and Yarn

Ser. No. 275,357. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Nov. 15, 1928.



The lines in the drawing represent shading and are not illustrative of color. The words "Industrial Rayon" are disclaimed apart from the mark as shown.
For Rayon Yarn for Use by Manufacturers to Produce Rayon Fabrics or Rayon Articles of Wearing Apparel.
Claims use since Jan. 6, 1928.

Ser. No. 286,042. THE ENGLISH TEXTILOSE MANUFACTURING COMPANY LIMITED, Manchester, England. Filed June 24, 1929.

TEXTILOSE

For Vegetable Fiber Yarns and Threads.
Claims use since Nov. 8, 1909.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 273,700. HANOVER RUBBER CO. "EXCELSIOR" INC., New York, N. Y. Filed Oct. 12, 1928.

Excelsior

For Surgical Appliances Made in Whole or in Part of Rubber as Follows: Bath Specula, Taps for Use on Rubber Tubing Used on Medical or Surgical Apparatus, Ear Trumpets, Conversation Tubes, Stethoscopes, Pans for Pharmacists' Dispensing Scales, Powder Blowers, Breast Relievers and Cupping Instruments, Thermophores, Ice Bags and Throat Bags, Powder Dispensers, Single Bellows, Suction Bellows; Double Bellows—Namely, Bellows for Sphygmomanometers; Air Cushions, Bedpans, Eyedropper Bulbs, Hot-Water Bottles, Water Cushions, Irrigator Tubes, Catheters, Clyster Pipes, Wound Pipes, Stomach Tubes, Colon Tubes, and Crutch Ends.
Claims use since March, 1924.

Ser. No. 287,271. WOLCOTT, INCORPORATED, Hartford, Conn. Filed July 17, 1929.

JIZOR

For Electrically-Operated Exercisers.
Claims use since July 9, 1929.

Ser. No. 291,053. THE CUNNINGHAM PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 14, 1929.

PERFUMAY

For Perfumery Atomisers.
Claims use since September, 1929.

Ser. No. 292,216. HUGO LIEBER, New York, N. Y. Filed Nov. 9, 1929.

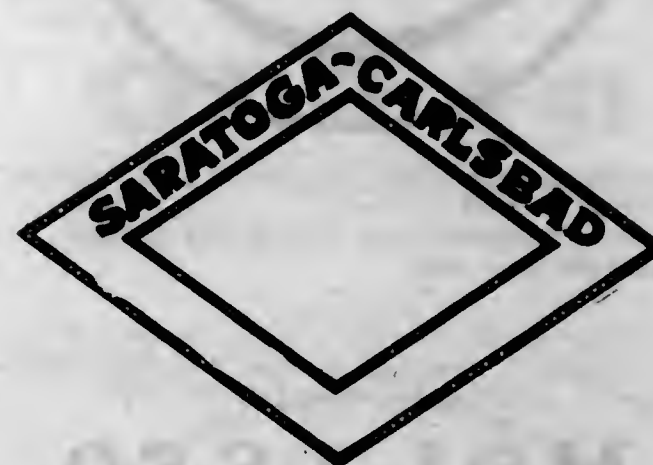
SONOTONE

For Earphones for the Use of Persons with Defective Hearing.
Claims use since Sept. 20, 1929.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 286,545. SARATOGA-CARLSBAD COMPANY, Saratoga Springs, N. Y. Filed July 3, 1929.



The words "Saratoga-Carlsbad" are disclaimed apart from the mark shown in the drawing. The drawing is lined for gold.

For Spring Water.
Claims use since January, 1929.

Ser. No. 289,338. THE COCA COLA BOTTLING CO., Wichita, Kans. Filed Sept. 5, 1929.

Health-Way

For Nonalcoholic, Noncereal, Maltless Soda Water Sold as Soft Drinks.
Claims use since June 11, 1929.

Ser. No. 289,647. ELIAS SHEINKER, doing business as W. Sheinker & Son, New York, N. Y. Filed Sept. 11, 1929.

**TRU-RI
BOUQUET**

For Flavoring Medium for Nonalcoholic Beverages and Syrups.
Claims use since June 1, 1929.

Ser. No. 292,077. ANTHONY L. OSWALD, Hutchinson, Kans. Filed Nov. 6, 1929.



Applicant disclaims the words "Drinking Water" and "Artesian Pure" except in connection with the mark shown. The drawing is lined to represent the colors red, yellow, and blue.
For Drinking Water.
Claims use since May, 1929.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 269,089. COLUMBIA-OKANOGAN ORCHARDS, INC., Brewster, Wash. Filed July 5, 1928.

SIWASH



For Fresh Apples.
Claims use since September, 1920.

Ser. No. 273,861. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Filed Oct. 16, 1928.

Sunkist

For Pectin.
Claims use since Sept. 1, 1928.

Ser. No. 279,352. MAKE PEACE PRESERVING COMPANY, Wareham, Mass. Filed Feb. 14, 1929.

MAKEPEACE

For Canned Fruits and Vegetables.
Claims use since Sept. 10, 1928.

Ser. No. 281,257. THE JOHN B. CANEPA COMPANY, Chicago, Ill. Filed Mar. 25, 1929.

BABY

For Alimentary Paste Goods.
Claims use since Mar. 20, 1929.

Ser. No. 282,638. CALIFORNIA PACKING CORPORATION, San Francisco, Calif. Filed Apr. 19, 1929.

LUXURY

For Canned Fruits, Canned Vegetables, Jams, Jellies, Fruit Preserves, Marmalades, Mince-meat, Catsup, Tomato Sauce, Dried Fruit, Hominy, Sauerkraut, Pickles, Pickle Relish, Olives, Maraschino-Type Cherries, Pork and Beans with Tomato Sauce, Vinegar, Chile Sauce, Canned Peppers, Canned Pimentos and Chowchow.

Claims use on canned fruits, canned vegetables, jams, jellies, preserves, marmalades, mince-meat, catsup, and tomato sauce since the year 1907; in connection with dried fruit, hominy, sauerkraut, pickles, pickle relish, olives, and maraschino-type cherries since the year 1921; in connection with pork and beans with tomato sauce since the year 1923; in connection with vinegar since the year 1924; in connection with chile sauce since the year 1925; in connection with peppers, pimentos, and chowchow since the year 1926.

Ser. No. 283,267. EVER FRESH NUT CO., INC., Rochester, N. Y. Filed Apr. 30, 1929.



The drawing is lined to indicate brown and yellow. No claim is made to the word "Nut" apart from the mark as shown in the drawing.
For Edible Salted Nuts.
Claims use since Jan. 1, 1925.

Ser. No. 283,841. ROBERT E. BALDWIN, Sanford, Fla. Filed May 11, 1929.

Crispette

For Fresh Celery.
Claims use since Feb. 9, 1929.

Ser. No. 284,362. OCEANIC SALES CO., Seattle, Wash. Filed May 20, 1929.

SEAFED

For Canned Salmon.
Claims use since June 16, 1927.

Ser. No. 287,267. STERLING VEGETABLE GROWERS ASSOCIATION, Sterling, Ill. Filed July 17, 1929.



No claim is made to the geographical name "Sterling" apart from the mark as shown.
For Fresh Tomatoes, Fresh Peppers, and Eggplant.
Claims use since 1900.

Ser. No. 287,602. ABINGDON MILLING & CATTLE FEEDING COMPANY, Abingdon, Ill. Filed July 24, 1929.

MOLASSO

For Stock Food.
Claims use since April, 1914.

Ser. No. 287,864. PAUL BOUGON FISH & OYSTER CO. INC., New Orleans, La. Filed July 30, 1929.

French Market

For Canned Shrimp.
Claims use since June 15, 1929.

Ser. No. 288,441. FLAVEL SHURTLEFF, doing business as Co-operative Olive Producers Association, Los Angeles, Calif. Filed Aug. 12, 1929.

WHITE CROSS

For Canned Olives.
Claims use since July 27, 1929.

Ser. No. 288,458. ALVITA FOOD PRODUCTS INC., Boston, Mass. Filed Aug. 13, 1929.



For Cereal Breakfast Foods Adapted Also for Use as Desserts.
Claims use since Apr. 5, 1929.

Ser. No. 288,636. BLISH MILLING COMPANY, Seymour, Ind. Filed Aug. 17, 1929.

COLONIAL

For Wheat Flour, Self-Rising Flour, Cake Flour, Graham Flour, and Pancake Flour.
Claims use since 1900 on wheat flour and since June, 1929, on self-rising flour, cake flour, Graham flour, and pancake flour.

Ser. No. 289,125. NEW ORLEANS COFFEE CO., LTD., New Orleans, La. Filed Aug. 28, 1929.

OLD 76

The drawing is lined for shading.
For Compound of Coffee and Chicory and a Compound of Coffee, Cereal, and Chicory.
Claims use since July 31, 1929.

Ser. No. 289,581. H. P. GARIN CO., San Francisco, Calif. Filed Sept. 10, 1929.



Applicant disclaims exclusive right to use of the descriptive term "Pack" shown on the drawing.
For Fresh Deciduous Fruits, Fresh Cantaloupes, Fresh Vegetables.
Claims use since Apr. 27, 1927.

Ser. No. 289,858. VICTOR GOULASH CO., Chicago, Ill. Filed Sept. 16, 1929.



No claim is made to the words "Once Cooked for Emperor Francis Joseph of Austria Now at Your Service" apart from the mark. The portrait forming a part of the mark is that of the president of the applicant corporation. The drawing is not lined for color. The drawing is lined for shading only.

For Goulash Which is a Canned Cooked, Edible Mixture of Beef, Onions, and Spices.
Claims use since Nov. 1, 1928.

Ser. No. 290,712. MAPLE LEAF MILLING COMPANY LIMITED, Toronto, Canada. Filed Oct. 5, 1929.

RED RIVER



For Grain Products—Namely, a Cereal Consisting of Cracked and Whole Grains.
Claims use since Oct. 5, 1926.

Ser. No. 291,014. THE HENRY MUHS COMPANY, Passaic, N. J. Filed Oct. 12, 1929.

PACK RITE

For Sausage Patties.
Claims use since Aug. 19, 1929.

Ser. No. 291,057. INTERNATIONAL PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 14, 1929.

SUN GRAZE

For Canned Corned Beef.
Claims use since Feb. 18, 1929.

Ser. No. 291,299. AMBROSIO UMBERTO TERRABUSI, doing business as Establecimiento Modelo Terrabusi, Buenos Aires, Argentina. Filed Oct. 19, 1929.

Bay Biscuits

Exclusive use of the word "Biscuits" is not claimed apart from the mark as shown.
For Bakery Products—Namely, Biscuits.
Claims use since Apr. 30, 1923.

Ser. No. 291,472. L. A. PODESTA, doing business as Chicago Specialty Co., San Francisco, Calif. Filed Oct. 23, 1929.

Rhine Maid

For Malt Syrup.
Claims use since July 15, 1929.

Ser. No. 291,714. CARMEL VALLEY FRUIT GROWERS ASSOCIATION, Monterey, Calif. Filed Oct. 29, 1929.

CUSTOM HOUSE

For Fresh Deciduous Fruits.
Claims use since Sept. 21, 1929.

Ser. No. 291,715. CLEARWATER GROWERS ASSOCIATION, Clearwater, Fla. Filed Oct. 29, 1929.

SEE HERE!

For Fresh Citrus Fruits—Namely, Oranges, Lemons, Grapefruit, and Tangerines.
Claims use since Sept. 23, 1929.

Ser. No. 291,989. LINCOLN MACARONI MFG. COMPANY, Brooklyn, N. Y. Filed Nov. 4, 1929.

ANGELA MIA

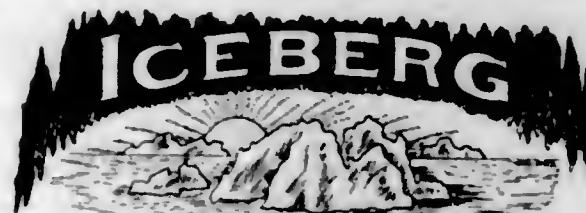
For Macaroni.
Claims use since Oct. 1, 1929.

Ser. No. 292,108. HERMAN HECHT, doing business as Hecht's Bakery, Bristol, Tenn. Filed Nov. 7, 1929.



For Bread.
Claims use since June 17, 1929.

Ser. No. 292,288. THE RHEINSTROM BROS. COMPANY, Cincinnati, Ohio. Filed Nov. 11, 1929.



For Salad Dressing.
Claims use since Nov. 5, 1929.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 280,275. RAINIZED PROCESS LTD., New York, N. Y. Filed Mar. 5, 1929.

RAINIZED

For Waterproofed Products as Follows: Cotton, Cotton and Wool, Wool and Rayon, Rayon and Cotton Fabrics in the Piece; Woven Straw Fabrics in the Piece, Silks and Woolens in the Piece, Artificial Leather in the Piece, Satins.

Claims use since Nov. 1, 1927.

Ser. No. 283,674. THE COOLEY FINISHING COMPANY, Pawtucket, R. I. Filed May 8, 1929.

ARISTOCRAT

For Waterproof Cotton Duck or Similar Awning Fabric with Painted Designs.
Claims use since Apr. 8, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 31, 1929

265,472. LAUNDRY WASHING MACHINES. Voss Bros. Mfg. Co., Davenport, Iowa.

Filed February 18, 1929. Serial No. 279,579. PUBLISHED OCTOBER 15, 1929. Class 24.

265,473. PRINTED PUBLICATION OR MAGAZINE. RAMER REVIEWS, INC., New York, N. Y.

Filed January 22, 1929. Serial No. 278,310. PUBLISHED APRIL 2, 1929. Class 38.

265,474. FIRE BRICK. W. S. DICKEY CLAY MANUFACTURING CO., Kansas City, Mo.

Filed January 21, 1929. Serial No. 278,211. PUBLISHED OCTOBER 1, 1929. Class 12.

265,475. PHOTOPRINTS, INCLUDING PARTICULARLY CONTACT PRINTS AND ENLARGEMENTS. SMITH & BUTTERFIELD CO., Evansville, Ind.

Filed January 11, 1929. Serial No. 277,855. PUBLISHED MAY 14, 1929. Class 38.

265,476. PRODUCT FROM PROCESSES OF COMMINGLING COAL OR OIL. THE KOPPEL COMPANY, Pittsburgh, Pa.

Filed December 29, 1928. Serial No. 277,373. PUBLISHED OCTOBER 1, 1929. Class 1.

265,477. ROOFING MATERIALS—NAMESLY, ROOFING PAPER. STAR ROOF CO. INC., doing business as Star Roof Company and Pacific Star Roof Company, Los Angeles, Calif.

Filed April 10, 1929. Serial No. 282,203. PUBLISHED OCTOBER 15, 1929. Class 12.

265,478. BRUSHES FOR ARTIFICIAL TEETH AND PLATES. DEPTRO LABORATORIES, Portland, Me.

Filed September 5, 1929. Serial No. 289,344. PUBLISHED OCTOBER 15, 1929. Class 29.

265,479. FACE CREAM. NEWSKIN COMPANY, Brooklyn, N. Y.

Filed August 31, 1929. Serial No. 289,242. PUBLISHED OCTOBER 15, 1929. Class 6.

265,480. MEDICINAL PLASTER FOR USE IN PREVENTION AND TREATMENT OF SEASICKNESS. THOMAS & LEIPPE, Hartford, Conn.

Filed August 31, 1929. Serial No. 289,236. PUBLISHED OCTOBER 15, 1929. Class 6.

265,481. CERTAIN NAMED TOOLS. MARKWELL MANUFACTURING CO. INC., New York, N. Y.

Filed August 27, 1929. Serial No. 289,079. Class 23.

265,482. STEEL. DEUTSCHE EDELSTAHLWERKE A. G., Bochum, Germany.

Filed August 23, 1929. Serial No. 288,899. PUBLISHED OCTOBER 8, 1929. Class 14.

265,483. ALUMINUM WARE. GREAT NORTHERN PRODUCTS CO., Chicago, Ill.

Filed August 7, 1929. Serial No. 288,284. PUBLISHED OCTOBER 15, 1929. Class 18.

265,484. ALUMINUM WARE. GREAT NORTHERN PRODUCTS CO., Chicago, Ill.

Filed August 7, 1929. Serial No. 288,283. PUBLISHED OCTOBER 15, 1929. Class 18.

265,485. WASHBOARDS. NATIONAL WASHBOARD COMPANY, Chicago, Ill.

Filed August 2, 1929. Serial No. 288,028. PUBLISHED OCTOBER 15, 1929. Class 24.

265,486. WASHBOARDS. NATIONAL WASHBOARD COMPANY, Chicago, Ill.

Filed August 2, 1929. Serial No. 288,027. PUBLISHED OCTOBER 15, 1929. Class 24.

265,487. ALLOY-STEEL CASTINGS. DODGE STEEL COMPANY, Philadelphia, Pa.

Filed August 1, 1929. Serial No. 287,960. PUBLISHED OCTOBER 8, 1929. Class 14.

265,488. MANILA ROPE. YNCHAUSTI & Co., Manila, P. I., and San Francisco, Calif.

Filed July 31, 1929. Serial No. 287,949. PUBLISHED OCTOBER 15, 1929. Class 7.

265,489. FIRE CLAY AND CALCINED FIRE CLAY. NORTH AMERICAN REFRACTORIES COMPANY, Cleveland, Ohio.

Filed July 27, 1929. Serial No. 287,767. PUBLISHED SEPTEMBER 24, 1929. Class 1.

265,490. HOSIERY. BROWN DURRELL CO., Boston, Mass., and New York, N. Y.

Filed July 10, 1929. Serial No. 286,865. PUBLISHED OCTOBER 15, 1929. Class 39.

265,491. COAL. THE COLORADO FUEL & IRON COMPANY, Denver, Colo.

Filed July 9, 1929. Serial No. 286,818. PUBLISHED OCTOBER 1, 1929. Class 1.

265,492. COAL. THE COLORADO FUEL & IRON COMPANY, Denver, Colo.

Filed July 9, 1929. Serial No. 286,817. PUBLISHED OCTOBER 1, 1929. Class 1.

265,493. FLUSHOMETERS, TOILET CHAIRS FOR WATER-CLOSET SUPPORTS, ETC. FEE & MASON MANUFACTURING COMPANY, INC., New York, N. Y.

Filed June 28, 1929. Serial No. 286,318. PUBLISHED OCTOBER 15, 1929. Class 13.

265,494. WASTE OF COTTON, WOOL, AND MIXTURES THEREOF. FEDERAL PAPER STOCK CO., St. Louis, Mo.

Filed June 27, 1929. Serial No. 286,237. PUBLISHED OCTOBER 8, 1929. Class 1.

265,495. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. WILLIAM TRAUOGOTT, St. Louis, Mo.

Filed June 24, 1929. Serial No. 286,088. PUBLISHED OCTOBER 15, 1929. Class 45.

265,496. CERTAIN NAMED MOULDING MATERIAL. APOTELA AKTIENGESSELLSCHAFT, Zurich, Switzerland.

Filed June 10, 1929. Serial No. 285,319. PUBLISHED SEPTEMBER 24, 1929. Class 1.

265,497. METAL ALLOYS, PARTICULARLY, CHROMIUM IRON ALLOYS. THE DURALOY COMPANY, Pittsburgh, Pa.

Filed June 8, 1929. Serial No. 285,256. PUBLISHED OCTOBER 15, 1929. Class 14.

265,498. ANTHRACITE AND BITUMINOUS COAL, CANAL COAL, AND COKE. JENKINS & MACY COMPANY, Rochester, N. Y.

Filed December 17, 1928. Serial No. 276,845. PUBLISHED OCTOBER 1, 1929. Class 1.

265,499. PREPARATION FOR THE TREATMENT OF HEADACHE, NEURALGIA, LUMBAGO, ETC. ABRAHAM B. SCHECTMAN, Newark, N. J.

Filed December 15, 1928. Serial No. 276,805. PUBLISHED JULY 23, 1929. Class 6.

265,500. HAIR-FELT CARPET LINING. REISIG HAIR FELT CO. INC., Salem, Mass.

Filed December 3, 1928. Serial No. 276,222. PUBLISHED OCTOBER 15, 1929. Class 50.

265,501. AEROPLANES. FAIRCHILD AVIATION CORPORATION, New York, N. Y.

Filed August 27, 1928. Serial No. 271,596. PUBLISHED OCTOBER 15, 1929. Class 19.

265,502. PRODUCT FROM PROCESSES OF COMMINGLING COAL AND OIL. THE KOPPEL COMPANY, Pittsburgh, Pa.

Filed July 3, 1928. Serial No. 269,027. PUBLISHED OCTOBER 1, 1929. Class 1.

- 265,503. WOOLEN PIECE GOODS. E. DE MONTAGNAC & FILS, Sedan, France.
Filed June 29, 1928. Serial No. 268,851. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,504. MEDICINAL PREPARATION FOR THE TREATMENT OF RHEUMATISM. RESEARCH LABORATORIES, INC., Portland, Oreg.
Filed June 11, 1928. Serial No. 267,858. PUBLISHED OCTOBER 15, 1929. Class 6.
- 265,505. BLEND OF NATURAL MATERIALS USED IN MOLDING AND CORE SANDS. THE HILL & GRIFFITH CO., Cincinnati, Ohio.
Filed May 31, 1928. Serial No. 267,254. PUBLISHED AUGUST 21, 1928. Class 1.
- 265,506. COAL. MIDLAND COAL SALES COMPANY, Cincinnati, Ohio.
Filed May 25, 1928. Serial No. 267,005. PUBLISHED JULY 24, 1928. Class 1.
- 265,507. PRINTED COTTON PIECE GOODS PRINCIPALLY USED AS MATTRESS TICKINGS. NATIONAL FABRIC & FINISHING COMPANY, Boston, Mass., and New York, N. Y.
Filed May 18, 1928. Serial No. 266,614. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,508. HAIRDRESSING CREAM. BENJAMIN GELLMAN, doing business as Paloma Manufacturing Company, Philadelphia, Pa.
Filed March 19, 1928. Serial No. 263,389. PUBLISHED NOVEMBER 20, 1928. Class 6.
- 265,509. BLANKETS MADE OF COTTON OR COTTON AND WOOL. BEACON MANUFACTURING COMPANY, New Bedford, Mass.
Filed February 1, 1928. Serial No. 260,973. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,510. TABLE PADS, FLOOR PADS, MATS, AND TELEPHONE-BASE PADS. THE SUN RUBBER COMPANY, Barberton, Ohio.
Filed September 27, 1927. Serial No. 255,324. PUBLISHED OCTOBER 1, 1929. Class 50.
- 265,511. SIGNS AND SIGNALS. JOHN R. POWERS, doing business as Rochester Street Signal Company, Rochester, N. Y.
Filed July 12, 1926. Serial No. 234,447. PUBLISHED OCTOBER 1, 1929. Class 50.
- 265,512. COTTON PIECE GOODS. EDWIN E. BERLINER & Co., New York, N. Y.
Filed March 24, 1926. Serial No. 229,083. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,513. CERTAIN NAMED HORTICULTURAL GROWTHS. THEODORE F. BORST, doing business as The American Forestry Company, Framingham Center, Mass.
Filed May 2, 1929. Serial No. 283,371. PUBLISHED OCTOBER 1, 1929. Class 1.
- 265,514. PLASTIC COMPOSITION FOR PRODUCING DECORATIVE WALL TEXTURE OR COATING. DURALITH CORPORATION, New York, N. Y.
Filed April 29, 1929. Serial No. 283,183. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,515. PEAT MULL. PENNRICH & Co. Inc., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany.
Filed April 19, 1929. Serial No. 282,677. PUBLISHED OCTOBER 15, 1929. Class 1.
- 265,516. PEAT-MOSS BALES FOR POULTRY LITTER. PENNRICH & COMPANY, INC., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany.
Filed April 19, 1929. Serial No. 282,676. PUBLISHED OCTOBER 15, 1929. Class 1.
- 265,517. PEAT DUST. PENNRICH & COMPANY, INC., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany.
Filed April 19, 1929. Serial No. 282,675. PUBLISHED OCTOBER 15, 1929. Class 1.

- 265,518. PEAT-MOSS BALES FOR STABLE BEDDING. PENNRICH & COMPANY, INC., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany.
Filed April 19, 1929. Serial No. 282,674. PUBLISHED OCTOBER 15, 1929. Class 1.
- 265,519. SILK PIECE GOODS. FOREMOST FABRICS CORPORATION, New York, N. Y.
Filed April 17, 1929. Serial No. 282,534. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,520. GALVANIZED DUST BINS, PAILS, AND BUCKETS AND PARTS THEREOF. SCHMIDT & MELMER, Wiedenau-on-the-Sieg, Germany.
Filed April 9, 1929. Serial No. 282,138. PUBLISHED OCTOBER 15, 1929. Class 2.
- 265,521. PARCHMENT LAMP SHADES. TINSEL CORPORATION OF AMERICA, New York, N. Y.
Filed April 6, 1929. Serial No. 281,974. PUBLISHED OCTOBER 15, 1929. Class 34.
- 265,522. COAL. KNIGHT PRODUCTS, INC., Cincinnati, Ohio.
Filed March 22, 1929. Serial No. 281,145. PUBLISHED OCTOBER 1, 1929. Class 1.
- 265,523. CEMENT FOR CONSTRUCTION WORK. CENTURY CEMENT CORPORATION, Rosendale, N. Y.
Filed March 13, 1929. Serial No. 280,630. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,524. FURNITURE PADS FOR USE WITH MOVING AND DELIVERY VANS. FULTON BAG & COTTON MILLS, Atlanta, Ga.
Filed March 8, 1929. Serial No. 280,441. PUBLISHED OCTOBER 15, 1929. Class 50.
- 265,525. CONCRETE, BRICKS, LUMBER, AND CEMENT. NORTHERN ILLINOIS CONSTRUCTION COMPANY, Chicago, Ill.
Filed March 2, 1929. Serial No. 280,190. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,526. EMPTY GLASS BOTTLES. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y.
Filed March 1, 1929. Serial No. 280,139. PUBLISHED OCTOBER 15, 1929. Class 33.
- 265,527. WHEAT FLOUR, COFFEE, PEANUT BUTTER, ETC. G. & M. STORES, INC., Davenport, Iowa.
Filed June 28, 1929. Serial No. 286,322. PUBLISHED OCTOBER 15, 1929. Class 46.
- 265,528. HIGH-TEMPERATURE REFRACTORY CEMENT. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed July 4, 1929. Serial No. 286,613. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,529. FULLER'S EARTH. CHOCTAW CLAY CORPORATION, New Orleans, La.
Filed July 1, 1929. Serial No. 286,410. PUBLISHED OCTOBER 15, 1929. Class 1.
- 265,530. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. ROLLIN H. WILLIAMS, Detroit, Mich.
Filed May 27, 1929. Serial No. 284,713. PUBLISHED OCTOBER 15, 1929. Class 19.
- 265,531. DAHLIAS; TUBERS, PLANTS, AND BLOOMS AND OTHER TUBEROUS FLOWERS—NAMESLY, GLADIOLUS. WARREN W. MAYTROT, doing business as Dahlia Nurseries, Vineland, N. J.
Filed May 22, 1929. Serial No. 284,479. PUBLISHED OCTOBER 15, 1929. Class 1.
- 265,532. FABRICS COMPOSED OF COTTON AND SILK. A. D. JULLIARD & Co., INC., New York, N. Y.
Filed May 20, 1929. Serial No. 284,357. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,533. CERTAIN NAMED TENTS, GRAVE LININGS, AND COVERS. BARNETT CANVAS GOODS & BAG CO., INC., Philadelphia, Pa.
Filed May 20, 1929. Serial No. 284,310. PUBLISHED OCTOBER 15, 1929. Class 50.

- 265,534. PORCELAIN AND EARTHENWARE BATH-TUBS, LAVATORIES, TOILET BOWLS, AND DRINKING FOUNTAINS. "KERAMAG" KERAMISCHE WERKE AKTIEN-GESELLSCHAFT, Bonn, Germany.
Filed May 17, 1929. Serial No. 284,182. PUBLISHED OCTOBER 15, 1929. Class 13.
- 265,535. WATERPROOFED TEXTILE FABRICS. THE ZAPON COMPANY, Wilmington, Del.
Filed May 11, 1929. Serial No. 283,914. PUBLISHED OCTOBER 15, 1929. Class 50.
- 265,536. SHOCK-ABSORBING RINGS AND CORDS FOR USE ON LANDING GEAR AND TAIL SKIDS OF HEAVIER-THAN-AIR FLYING MACHINES AND ON INSTRUMENT BOARDS OF HEAVIER-THAN-AIR FLYING MACHINES AND LIGHTER-THAN-AIR DIRIGIBLES. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed May 8, 1929. Serial No. 283,699. PUBLISHED OCTOBER 15, 1929. Class 19.
- 265,537. EMBROIDERY AND LACES IN PIECE GOODS. COMPAGNIE GENERALE D'ELECTRICITE, Paris, France.
Filed May 8, 1929. Serial No. 283,665. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,538. WOODEN SHINGLES. CHARLES E. PUTMAN, Seattle, Wash.
Filed May 7, 1929. Serial No. 283,625. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,539. WOODEN SHINGLES. CHARLES E. PUTMAN, Seattle, Wash.
Filed May 7, 1929. Serial No. 283,624. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,540. INDIA-RUBBER BUFFING AND DRAW-SPRINGS AND BEARING BLOCKS. GEORGE SPENCER, MOULTON & COMPANY, LIMITED, London, England.
Filed May 6, 1929. Serial No. 283,559. PUBLISHED OCTOBER 15, 1929. Class 19.
- 265,541. SILK CREPE AND COTTON CREPE IN THE PIECE. ARONSON-CAPLIN COMPANY, INC., New York, N. Y.
Filed August 21, 1929. Serial No. 288,772. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,542. SHEETS, PILLOWCASES, WOOL AND WOOL AND COTTON BLANKETS. W. H. WRIGHT & SONS COMPANY, Ogden, Utah.
Filed August 20, 1929. Serial No. 288,770. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,543. COTTON, SILK, AND COTTON AND SILK FABRICS IN THE PIECE. NOVELTEX, INC., New York, N. Y.
Filed August 13, 1929. Serial No. 288,483. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,544. CEMENT STUCCO, MAGNESITE STUCCO, AND PLASTER. GENERAL FLOORING & STUCCO CORPORATION, New York, N. Y.
Filed August 8, 1929. Serial No. 288,297. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,545. COMPOSITION ROOFING. THE MID-WEST HOME SERVICE COMPANY, Indianapolis, Ind.
Filed July 31, 1929. Serial No. 287,941. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,546. BITUMINOUS COMPOSITION FOR ROADWAYS. WILLIAM BAIRD CATCHINGS, Raleigh, N. C.
Filed July 31, 1929. Serial No. 287,906. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,547. WASH FABRICS OF COMBED AND MERCERIZED COTTON. SEABE, ROEDUCK AND Co., Chicago, Ill.
Filed July 29, 1929. Serial No. 287,845. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,548. CERTAIN NAMED CONSTRUCTION MATERIALS. THE DENVER FIRE CLAY COMPANY, Denver, Colo.
Filed July 27, 1929. Serial No. 287,743. PUBLISHED SEPTEMBER 24, 1929. Class 12.

- 265,549. SOUND-ABSORBING MATERIAL FOR APPLICATION TO THE WALLS OF BUILDINGS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed July 24, 1929. Serial No. 287,640. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,550. PLYWOOD FOR AIRPLANES. THE D. L. AULD COMPANY, Columbus, Ohio.
Filed July 24, 1929. Serial No. 287,556. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,551. LAMBSKINS. LAWRESCO, INC., New York, N. Y.
Filed July 23, 1929. Serial No. 287,535. PUBLISHED OCTOBER 15, 1929. Class 1.
- 265,552. STIFFLE WALL FINISH OF A PLASTIC MATERIAL. THE CON-FERRO PAINT AND VARNISH CO., St. Louis, Mo.
Filed July 29, 1929. Serial No. 287,793. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,553. BITULITHIC PAVING MATERIAL. NEUBERG-CHEMICAL CORPORATION, Wilmington, Del., and Irvington, N. J.
Filed July 11, 1929. Serial No. 286,949. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,554. COTTON DUCK. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md.
Filed July 9, 1929. Serial No. 286,834. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,555. COTTON, SILK, ETC., PIECE GOODS. GOSSETT MILLS, Anderson, S. C.
Filed June 25, 1929. Serial No. 286,118. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,556. CERTAIN NAMED CONSTRUCTION MATERIALS. SOUTH SHORE SHEET METAL WORKS, INC., Chicago, Ill.
Filed June 20, 1929. Serial No. 285,894. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,557. LUMBER. THE DWIGHT LUMBER CO., San Francisco, Calif.
Filed June 18, 1929. Serial No. 285,735. PUBLISHED OCTOBER 15, 1929. Class 12.
- 265,558. LINEN TABLECLOTHS, NAPKINS; SETS CONSISTING OF CLOTHS, NAPKINS, DOLLIES, TOWELS, SCARFS FOR THE COVERING OR DECORATION OF FURNITURE. PERLMANN, SCHAL AND STERN, INC., New York, N. Y.
Filed June 8, 1929. Serial No. 285,294. PUBLISHED OCTOBER 15, 1929. Class 42.
- 265,559. CUT GRANITE AND GRANITE FINISHED BY POLISHING, HAMMERING, AND OTHERWISE. ROYAL GRANITE COMPANY, St. Cloud, Minn.
Filed June 6, 1929. Serial No. 285,176. PUBLISHED OCTOBER 1, 1929. Class 12.
- 265,560. CUT GRANITE AND GRANITE FINISHED BY POLISHING, HAMMERING, AND OTHERWISE. ROYAL GRANITE COMPANY, St. Cloud, Minn.
Filed June 6, 1929. Serial No. 285,174. PUBLISHED OCTOBER 8, 1929. Class 12.
- 265,561. COD-LIVER-OIL POWDER PARTICULARLY USEFUL AS AN INGREDIENT FOR LIVESTOCK AND POULTRY FEEDS. OELWEIN CHEMICAL CO., Oelwein, Iowa.
Filed September 3, 1929. Serial No. 289,288. PUBLISHED OCTOBER 15, 1929. Class 6.
- 265,562. AIR DEODORANT. PURITAN CHEMICAL COMPANY, Atlanta, Ga.
Filed August 31, 1929. Serial No. 289,252. PUBLISHED OCTOBER 15, 1929. Class 6.
- 265,563. GRANULAR EFFERVESCENT SALT. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed August 30, 1929. Serial No. 289,221. PUBLISHED OCTOBER 15, 1929. Class 6.
- 265,564. CERTAIN NAMED TREATED TEXTILE FABRICS. E. S. TWINING & Co., New York, N. Y.
Filed August 17, 1929. Serial No. 288,675. PUBLISHED OCTOBER 15, 1929. Class 50.

265,565. FUR SKINS. A. HOLLANDER & SON, INC., New-ark and Long Branch, N. J.; Middletown, N. Y.; and Montreal, Quebec, Canada.
Filed August 9, 1929. Serial No. 288,337. PUBLISHED OCTOBER 8, 1929. Class 1.

265,566. FIRE BRICK. EVANS & HOWARD FIRE BRICK Co., St. Louis, Mo.
Filed August 5, 1929. Serial No. 288,116. PUBLISHED OCTOBER 1, 1929. Class 12.

265,567. LEATHER. SCHAINMAN SPORTSWEAR COMPANY, New York, N. Y.
Filed August 3, 1929. Serial No. 288,091. PUBLISHED OCTOBER 1, 1929. Class 1.

265,568. HOPS. HENAY RUBIN, doing business as Bear Malt Products Company, Brooklyn, N. Y.
Filed August 1, 1929. Serial No. 287,979. PUBLISHED OCTOBER 1, 1929. Class 1.

265,569. CERTAIN METALS, ALLOYS, AND WELDING WIRES AND RODS. I. G. FARBENINDUSTRIE AKTIEN-GESELLSCHAFT, Frankfurt-on-the-Main, Germany.
Filed July 29, 1929. Serial No. 287,803. PUBLISHED OCTOBER 8, 1929. Class 14.

265,570. HAIR-WAVING SOLUTION. DAISY B. ADDING-TON, Tampa, Fla.
Filed July 27, 1929. Serial No. 287,733. PUBLISHED OCTOBER 15, 1929. Class 6.

265,571. FELTS FOR LINING OR FILLING WALLS, FLOORS, AND CEILINGS OF BUILDINGS. JOHN'S-MANVILLE CORPORATION, New York, N. Y.
Filed July 27, 1929. Serial No. 287,731. PUBLISHED SEPTEMBER 24, 1929. Class 12.

265,572. PREPARATION FOR THE NERVES, RHEU-MATISM, AND NEURITIS. DANIEL W. BLANKIN-SHIP, Brooklyn, Md.
Filed July 26, 1929. Serial No. 287,690. PUBLISHED OCTOBER 15, 1929. Class 6.

265,573. FUR-SCARF HANGERS. GOLIAT DAVISON, St. Louis, Mo.
Filed July 25, 1929. Serial No. 287,651. PUBLISHED SEPTEMBER 24, 1929. Class 50.

265,574. COMPOSITIONS FOR USE IN TREATING HAIR. GRANT & HALL LABORATORIES, St. Louis, Mo.
Filed July 22, 1929. Serial No. 287,470. PUBLISHED OCTOBER 15, 1929. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

265,584. (CLASS 15. OILS AND GREASES.) RILEY PENN OIL COMPANY, Burlington, Iowa. Filed Oct. 28, 1929. Serial No. 291,695.

THAT'S OIL

For Lubricating Oils, Lubricating Greases, Gasoline, and Kerosene.
Claims use since about June, 1926.

265,585. (CLASS 21. ELECTRICAL APPARATUS, MA-CHINES, AND SUPPLIES.) A. F. DORMEYER MFG. Co., Chicago, Ill. Filed Oct. 25, 1929. Serial No. 291,555.

DORMEYER

For Electric-Motor-Driven Food Mixers.
Claims use since March, 1926.

265,575. COAL. HOUSTON COAL COMPANY, Cincinnati, Ohio.
Filed July 13, 1929. Serial No. 287,078. PUBLISHED OCTOBER 1, 1929. Class 1.

265,576. FINISHED KID AND GOAT'S-SKIN LEATH-ER. NEW CASTLE LEATHER CO., INC., New York, N. Y.
Filed July 10, 1929. Serial No. 286,894. PUBLISHED OCTOBER 1, 1929. Class 1.

265,577. ROUGES, FACE POWDERS, FACE CREAMS, ETC. DOROTHY FREEDMAN, Mount Vernon, N. Y.
Filed July 10, 1929. Serial No. 286,874. PUBLISHED OCTOBER 15, 1929. Class 6.

265,578. STUCCO AND PLASTIC COATINGS FOR WALLS AND PLASTIC WALL FINISHES. PLASTIC STONE PRODUCTS CORP., New York, N. Y.
Filed July 3, 1929. Serial No. 286,586. PUBLISHED SEPTEMBER 24, 1929. Class 12.

265,579. STUCCO AND PLASTIC COATINGS FOR WALLS AND PLASTIC WALL FINISHES. PLASTIC STONE PRODUCTS CORP., New York, N. Y.
Filed July 3, 1929. Serial No. 286,585. PUBLISHED OCTOBER 1, 1929. Class 12.

265,580. STUCCO AND PLASTIC COATINGS FOR WALLS AND PLASTIC WALL FINISHES. PLASTIC STONE PRODUCTS CORP., New York, N. Y.
Filed July 3, 1929. Serial No. 286,584. PUBLISHED SEPTEMBER 24, 1929. Class 12.

265,581. GLAZED KID MANUFACTURED FROM GOAT-SKIN. MCNEELY COMPANY, Philadelphia, Pa.
Filed June 29, 1929. Serial No. 286,356. PUBLISHED OCTOBER 1, 1929. Class 1.

265,582. OXIDIZING CHEMICAL OR CATALYTICAL AGENT FOR USE AS A CARBON REMOVER IN INTERNAL COMBUSTION ENGINES. CARBEX CHEMICAL COMPANY, West End, N. J.
Filed June 26, 1929. Serial No. 286,154. PUBLISHED OCTOBER 15, 1929. Class 6.

265,583. LIGHT PROJECTORS FOR MOTOR-VEHICLE HEADLIGHTS, FLOOD AND DISPLAY LIGHTS. DARKLITE CORPORATION, Nashville, Tenn.
Filed March 27, 1929. Serial No. 281,411. PUBLISHED OCTOBER 15, 1929. Class 21.

265,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS SHUMOFSKY, Bridgeport, Conn. Filed Oct. 19, 1929. Serial No. 291,296.

Morris SWEET BUTTER RING

For Butter Rings.
Claims use since May 1, 1927.

265,587. (CLASS 44. DENTAL, MEDICAL, AND SUR-GICAL APPLIANCES.) ADJUSTA Co., New York, N. Y. Filed Oct. 2, 1929. Serial No. 290,485.

PIN-LES

For Abdominal and Sanitary Belts.
Claims use since June 5, 1926.

265,588. (CLASS 37. PAPER AND STATIONERY.) RIGOT & WISEMAN, Wheeling, W. Va. Filed Aug. 29, 1929. Serial No. 289,163.

BANK CHECK SYSTEM

For Blank Forms Used in a System of Accounting.
Claims use since on or about Mar. 22, 1926.

265,589. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GRETSCH & BRENNER, INC., New York, N. Y. Filed Aug. 10, 1929. Serial No. 288,376.

A. Rosati

For Accordions.
Claims use since 1926.

265,590. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES PAR-FUMS DE MOLYNEUX, INC., New York, N. Y. Filed Aug. 3, 1929. Serial No. 288,079.

LES PARFUMS DE MOLYNEUX

For Perfume, Toilet Waters, Lotions, Lotions for Hair-dressers, Bath Powders, Talc Powders, Face Powders, Lip Sticks, and Bath Salts.
Claims use since about June, 1926.

265,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MISSOURI EGG & POULTRY COMPANY, Sedalia, Mo. Filed July 24, 1929. Serial No. 287,594.

Ford Sedalia

For Dressed Poultry and Eggs.
Claims use since Jan. 2, 1928.

265,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLY HILL FRUIT PRODUCTS, INC., Daven-port, Fla. Filed July 3, 1929. Serial No. 286,566.

Holly Hill

For Fresh Citrus Fruits, Orange Jelly, Orange Marma-lade, and Grapefruit Juice for Food Purposes.
Claims use since Aug. 17, 1924.

265,593. (CLASS 19. VEHICLES, NOT INCLUDING EN-GINES.) MCCONNELL MFG. COMPANY, Newark, N. J. Filed July 1, 1929. Serial No. 286,442.

MCCONNELL

For Electrical Windshield Wipers and Cleaners.
Claims use since Mar. 15, 1924.

265,594. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NORFOLK TANK CORPORATION, Norfolk, Va. Filed June 19, 1929. Serial No. 285,786.

ARCWELD

For Iron and/or Steel Pipe.
Claims use since Jan. 31, 1928.

265,595. (CLASS 5. ADHESIVES.) SWIFT AND COM-PANY, Chicago, Ill. Filed May 15, 1929. Serial No. 284,095.

BLU-GLU

For Glue.
Claims use since June 16, 1928.

265,596. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOOD-YEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 29, 1929. Serial No. 283,191.

EMERALD CORD

For Hose of All Kinds Made Wholly or in Part of Rubber.
Claims use since prior to Oct. 15, 1928.

265,597. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HARRIS-THOMAS COMPANY, Roxbury, Mass., assignor to Harris-Thomas Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Apr. 15, 1929. Serial No. 282,411.

WOOD DOUGH

For Plastic, Self-Hardening Material in the Nature of Putty and Composed of Ground Wood and an Adhesive Binder for Repairing Wood or Filling Recesses Therein and Similar Purposes.

Claims use since Sept. 18, 1928.

265,598. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLAIR L. FARRAND, Long Island City, N. Y. Filed Mar. 9, 1929. Serial No. 280,480.

INDUCTOR

For Loud-Speakers.

Claims use since Nov. 5, 1928.

265,599. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. BARON & Co., Inc., Brooklyn, N. Y. Filed Jan. 29, 1929. Serial No. 278,618.

New Amsterdam

For Fruit Preserves, Jelly, and Canned Crushed Fruits.

Claims use since Sept. 25, 1928.

265,600. (CLASS 32. FURNITURE AND UPHOLSTERY.) EMIL J. PAIDAR COMPANY, Chicago, Ill. Filed Jan. 21, 1929. Serial No. 278,248.

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For Hairdresser's Chairs, Barber Chairs, Children's Hair-Cutting Chairs, Children's Seats for Barber Chairs, Hair-Bobbing Chairs, Foot Rests, Shampoo Chairs, Utility Chairs Used for Facials, Shampoo and Hairdressing Chairs, Bootblack and Shoe-Shining Stands, Stools; Beauty-Parlor Booths, Including Mirrors, Cabinets, Shelves, Frames, Folding and Expandible, and Curtains; Curtain Rings Other than of Metal, Wall Cabinets, Dressing Tables, Dresserettes, Combined Manicure Tables and Display Case; Manicure Tables, Utility Tables with Shelves and Drawers, Cashier's Stands, Desks, Settees, Mirrors; Wall Fixtures for Beauty Parlors and Barber Shops, Including Mirrors, Wall Mirror Cases, Work Cabinets for Scissors, Clippers, Combs, Towels, Etc.; Inset Work Cabinets; Shelves, Including Brackets; Display Cases, Combined Cashier's Stand and Show Case, Towel and Utility Cabinets; Chemical Sterilizing Cabinets and Trays for Scissors, Clippers, Razors, and Combs; Folding Screens in the Nature of Dressing Screens, Hat and Coat Racks.

Claims use since Aug. 24, 1928.

265,601. (CLASS 5. ADHESIVES.) HOLD-TITE PRODUCTS COMPANY, San Francisco, Calif. Filed Jan. 14, 1929. Serial No. 277,951.

Hold-Tite

For an Adhesive Liquid Rubber Coating for the Under-surface of Rugs, Carpets, Mats, and the Like to Prevent the Same from Slipping.

Claims use since Nov. 1, 1928.

265,602. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TUTTLE & BAILEY MANUFACTURING COMPANY, New York, N. Y. Filed Dec. 1, 1928. Serial No. 276,157.

LOX-IT

For Heating Registers.

Claims use since Oct. 31, 1928.

265,603. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE WESTERN SHADE CLOTH COMPANY, Chicago, Ill. Filed Nov. 30, 1928. Serial No. 276,109.

DIXON

For Window Shades.

Claims use since May 1, 1928.

265,604. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRUNE & APRICOT GROWERS ASSOCIATION, San Jose, Calif. Filed Nov. 30, 1928. Serial No. 276,066.

WOODSIDE

For Dried Fruits.

Claims use since Oct. 13, 1928.

265,605. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Nov. 28, 1928. Serial No. 276,000.

KRINKLE DIPS

For Candles.

Claims use since Oct. 16, 1928.

265,606. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WARMACK-WILLIAMS STOVING CO., Fort Smith, Ark. Filed Nov. 24, 1928. Serial No. 275,809.

RAPIDFIRE

For Gas Heaters.

Claims use since Nov. 14, 1928.

265,607. (CLASS 37. PAPER AND STATIONERY.) RICHARD E. THIBAUT, INCORPORATED, New York, N. Y. Filed Nov. 22, 1928. Serial No. 275,757.

"DESIGNS OF TODAY"

For Wall Paper.

Claims use since Nov. 15, 1928.

265,608. (CLASS 40. FOODS AND INGREDIENTS OF FOODS.) ENGEBRETSON GRAPE CO., Los Angeles, Calif. Filed Nov. 14, 1928. Serial No. 275,307.

A-1

For Fresh Vegetables.

Claims use since Oct. 15, 1928.

265,609. (CLASS 40. FOODS AND INGREDIENTS OF FOODS.) WILFORD H. DE BERARD, doing business as De Berard Grape Growers, Cucamonga, Calif. Filed Nov. 14, 1928. Serial No. 275,308.

De Berard

For Fresh Deciduous Fruits.

Claims use since Sept. 8, 1928.

265,610. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) THE HARTMAN ELECTRICAL MFG. CO., Mansfield, Ohio. Filed Nov. 10, 1928. Serial No. 275,107.

MOTOR-SPRAY

For Spraying Apparatus and Systems Operated by the Suction of an Internal-Combustion Engine.

Claims use since Oct. 25, 1928.

265,611. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KEEN CORPORATION, Seattle, Wash. Filed Nov. 7, 1928. Serial No. 274,920.

SAFETY-RACER

For Wheel Toys, Specifically Coaster Wagons.

Claims use since Apr. 28, 1928.

265,612. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KOLSTER RADIO CORPORATION, Newark, N. J. Filed Aug. 16, 1928. Serial No. 271,127.

KOLSTER RADIO

For Complete Radio Broadcast Receiving Apparatus, Loud Speakers, Power Amplifiers for Electromagnetic Sound Reproducers, Electromagnetic Sound Reproducers, Battery Eliminators, Power-Supply Units for Electron-Tube Amplifiers, and Radio Receiving Sets Adapted for Combination With Phonographs.

Claims use since Apr. 10, 1928.

265,613. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Aug. 4, 1928. Serial No. 270,573.

That old time Peppermint flavor

For Chewing Gum.

Claims use since Feb. 15, 1928.

265,614. (CLASS 37. PAPER AND STATIONERY.) BADGER SPECIALTY COMPANY, Manitowoc, Wis. Filed Nov. 14, 1927. Serial No. 257,520.

Schmidtman Duplicate System

For Duplicate Account Books.

Claims use since Aug. 29, 1927.

265,615. (CLASS 39. CLOTHING.) MAX MAYER, doing business under the name and style of Max Mayer & Co., Long Beach, and New York, N. Y. Filed Nov. 14, 1929. Serial No. 292,409.

MAX MAYER'S MAKE

For Leather and Fabric and Silk and Wool Gloves for Men, Women, and Children.

Claims use since May 1, 1901.

265,616. (CLASS 39. CLOTHING.) J. J. HENKEL CO., San Francisco, Calif. Filed Nov. 8, 1929. Serial No. 292,163.

Donnell's

For Women's Wearing Apparel, Comprising Hats, Coats, Hosiery, Dresses in One and Two Piece Garments, Suits, and Sweaters.

Claims use since Aug. 10, 1928.

265,617. (CLASS 39. CLOTHING.) JOSEPH GLASSBERG, New York, N. Y. Filed July 29, 1929. Serial No. 287,815.

J. Glassberg

For Ladies' Shoes Made of Fabric or Leather or Combinations of These Materials.
Claims use since Jan. 1, 1902.

265,618. (CLASS 39. CLOTHING.) ARTISTIC SHOE COMPANY, INC., Brooklyn, N. Y. Filed Apr. 11, 1929. Serial No. 282,219.

Artistic Shoe Co. INC

For Women's Shoes, Men's Shoes, Children's Shoes, and Misses' Shoes of Leather, of Fabric and Leather, of Fabric and Rubber, and of Leather and Rubber; Slippers of Leather, of Fabric and Leather, and of Imitation Leather; Boots of Leather, of Rubber, of Fabric and Rubber, and of Leather and Rubber; Sandals of Leather, of Fabric and Leather, of Leather and Wood, and of Fabric and Wood.
Claims use since June 1, 1917.

265,619. (CLASS 39. CLOTHING.) E. E. ATKINSON & Co., Minneapolis, Minn. Filed Mar. 30, 1929. Serial No. 231,588.

Jeanne Gray

For Ladies' Hats and Lingerie—Namely, Gowns, Vests, Slips, Chemises, and Bloomers.
Claims use since May 15, 1919.

265,620. (CLASS 39. CLOTHING.) WALTHER LOEWEN-DAHL SHOE Co. INC., New York, N. Y. Filed Jan. 17, 1929. Serial No. 278,112.

Piarritz Landals

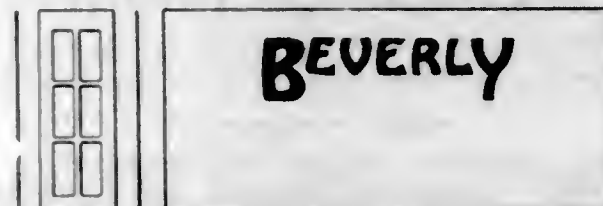
For Women's Sandals.
Claims use since Nov. 13, 1928.

265,621. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Dec. 3, 1928. Serial No. 276,209.

WAIDE

For Leather Shoes.
Claims use since Nov. 17, 1928.

265,622. (CLASS 12. CONSTRUCTION MATERIALS.) PACIFIC DOOR AND SASH COMPANY, Los Angeles, Calif. Filed Sept. 6, 1927. Serial No. 254,416.



For Doors.
Claims use since June 7, 1927.

265,623. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE NEWPORT COMPANY, Carrollville, Wis. Filed Oct. 23, 1929. Serial No. 291,469.

NEWPORT

For Turpentine.
Claims use since September, 1916.

265,624. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NEWPORT COMPANY, Carrollville, Wis. Filed Oct. 23, 1929. Serial No. 291,468.

NEWPORT

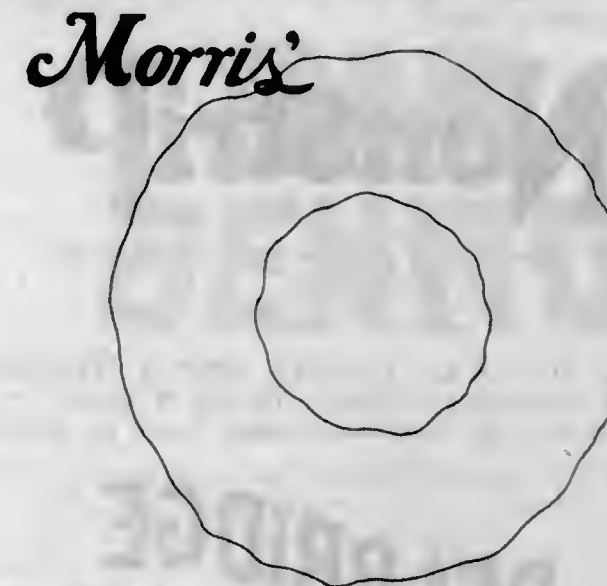
For Coal-Tar Dyestuffs and Intermediates Used in the Preparation of Dyestuffs, Zinc Chloride, Aluminum Chloride, Creosote Carbonate, Zinc Oxide Antimony Salt, Cyclohexanol, Tetrahydronaphthalene, Cyclohexanol Acetate, Methyl Cyclohexanol Acetate, Decahydronaphthalene, Cyclohexanone, Isopropyl Alcohol, Methylcyclohexanol, and Sodium Silicate.
Claims use since September, 1916.

265,625. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE NEWPORT COMPANY, Carrollville, Wis. Filed Oct. 23, 1929. Serial No. 291,467.

NEWPORT

For Rosin.
Claims use since September, 1916.

265,626. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS SHUMORSKY, Bridgeport, Conn. Filed Oct. 19, 1929. Serial No. 291,295.



For Coffee Cake.
Claims use since May 1, 1927.

265,627. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANGELO AMENTA, Johnstown, Pa. Filed Oct. 14, 1929. Serial No. 291,041.

**AMENTA'S
DANDRUFF
ENEMY**

For Hair Tonic.
Claims use since Oct. 30, 1928.

265,628. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Oct. 3, 1929. Serial No. 290,631.

MATCHLESS

For Belting and Hose Composed of Rubber or Rubber and Fabric.
Claims use since July 18, 1921.

265,629. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) ROLLS RAZOR (1927) LIMITED, London, England, by change of name Rolls Razor Limited. Filed Sept. 17, 1929. Serial No. 289,904.

ROLLS RAZOR

For Safety Razors.
Claims use since about Dec. 1, 1922.

265,630. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PIEL BROS., INC., Brooklyn, N. Y. Filed Sept. 6, 1929. Serial No. 289,416.



For Nonalcoholic, Noncereal, Maltless Beverages.
Claims use since 1921.

265,631. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PIEL BROS., INC., Brooklyn, N. Y. Filed Sept. 6, 1929. Serial No. 289,415.



For Nonalcoholic, Noncereal, Maltless Beverages.
Claims use since 1921.

265,632. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAMUEL ISREL, doing business as Hayden Watch Co., New York, N. Y. Filed Aug. 10, 1929. Serial No. 288,379.

HAYDEN

For Watches.
Claims use since July, 1927.

265,633. (CLASS 39. CLOTHING.) BILTRITE COLLAR Co., New York, N. Y. Filed Aug. 6, 1929. Serial No. 288,154.

LONDON FLEXIBLE

For Men's Collars.
Claims use since Mar. 8, 1928.

265,634. (CLASS 39. CLOTHING.) FEDDEN BROTHERS COMPANY INC., New York, N. Y. Filed Aug. 2, 1929. Serial No. 288,015.

Long Beauty

For Stockings.
Claims use since May 5, 1928.

265,635. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRAZER PAINT COMPANY, Detroit, Mich. Filed July 30, 1929. Serial No. 287,869.

STAYBILIZED

For Structural, House, Floor, and Deck Paints; Cement Coating—Namely, a Lead, Zinc, and Oil Product in the Nature of Paint; and Paint Products Known as Flat Wall Finishes.
Claims use since Sept. 1, 1925.

265,636. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JENAER GLASWERKE SCHOTT & GEN., Jena, Germany. Filed Apr. 30, 1929. Serial No. 283,280.

Jenaer Normalglas

For Thermometer Tubes and Thermometers.
Claims use since 1927.

265,637. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) FLEETWOOD AUTO TRUNK & SUPPLY CO., INC., Jamaica, N. Y. Filed Apr. 26, 1929. Serial No. 283,036.

FLEETWOOD

For Automobile Trunks.
Claims use since October, 1928.

265,638. (CLASS 39. CLOTHING.) EISEMAN'S INC., Atlanta, Ga. Filed Mar. 22, 1929. Serial No. 281,139.



For Men's Suits.
Claims use since Oct. 1, 1928.

265,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH ARDEN, INC., New York, N. Y. Filed Feb. 28, 1929. Serial No. 280,045.

SPOTPRUF

For Cream for Application to the Skin.
Claims use since Oct. 15, 1928.

265,640. (CLASS 39. CLOTHING.) THE PARISIAN COMPANY, Canton, Ohio. Filed Dec. 22, 1928. Serial No. 277,118.

Rambeau

EXCLUSIVE AT THE PARISIAN

For Hosiery.
Claims use since Oct. 1, 1928.

265,641. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) EDWARD C. BOWERS AND CHARLES L. FELDMAN, receivers for Wickwire Spencer Steel Company, New York, N. Y. Filed Dec. 5, 1928. Serial No. 276,289.

NonStrip

For Straight-Toothed Cylinder for Carding Cotton.
Claims use since Nov. 8, 1928.

265,642. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Dec. 4, 1928. Serial No. 276,255.

DELBRIDGE

For Woolen and Worsted Fabrics in the Piece.
Claims use since Nov. 12, 1928.

265,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST F. GLEASON, San Juan Bautista, Calif. Filed Nov. 30, 1928. Serial No. 276,075.

SAN JUAN BAUTISTA

For Fresh Pears.
Claims use since Oct. 1, 1928.

265,644. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) U. S. TRADING COMPANY, Jacksonville, Fla. Filed Nov. 30, 1928. Serial No. 276,054.

TORFMULL

For Ground Moss Peat.
Claims use since Sept. 17, 1928.

265,645. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SALLY BAKER CANDY SHOPS, INC., Brooklyn, N. Y. Filed Nov. 24, 1928. Serial No. 275,796.

Sally Baker

For Chocolates and Candies.
Claims use since Oct. 15, 1928.

265,646. (CLASS 12. CONSTRUCTION MATERIALS.) PEERLESS WEDGE COMPANY, Detroit, Mich. Filed Nov. 21, 1928. Serial No. 275,629.

PEERLESS

For Wedges, Anchors Hangers and Mountings for Angle Irons of Walls.
Claims use since on or about Dec. 15, 1927.

265,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex. Filed Nov. 3, 1928. Serial No. 274,808.

SAN BENITO

For Fresh Citrus Fruit.
Claims use since Oct. 20, 1928.

265,648. (CLASS 12. CONSTRUCTION MATERIALS.) UTICA HYDRAULIC CEMENT COMPANY, Utica, Ill. Filed Oct. 25, 1928. Serial No. 274,299.

UTICA BRICKLAYERS

CEMENT UTICA

For Building Cement.
Claims use since 1922.

265,649. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) METALCRAFT CORPORATION, St. Louis, Mo., assignor to The Metalcraft Corporation of St. Louis, Mo., a Corporation. Filed Oct. 20, 1928. Serial No. 274,060.

ZEPPELIN

For Toy Airship Construction Sets.
Claims use since Sept. 25, 1928.

265,650. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DES ROSIERS PATENTS COMPANY, INC., Providence, R. I. Filed Oct. 11, 1928. Serial No. 273,648.

THE SPIRIT OF ST. LOUIS

For Golf Balls.
Claims use since Oct. 8, 1928.

265,651. (CLASS 39. CLOTHING.) CARY AND COMPANY, INC., Binghamton, N. Y. Filed Aug. 23, 1928. Serial No. 271,430.

CARY COVERS

For Men's, Youth's, and Children's Suits, One-Piece Overall Suits, Overalls, Jackets, Pants, Shopcoats, Children's Playsuits, Dress, Negligee, Outing and Work Shirts, and Sweaters.
Claims use since Aug. 11, 1928.

265,652. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE BROWN'S SONS, INC., Mt. Joy, Pa. Filed Nov. 14, 1929. Serial No. 292,391.

Joyce Crepe

For Silk Piece Goods.
Claims use since Sept. 22, 1927.

265,653. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HARRYMORE SEAMLESS WILTONS, INC., Philadelphia, Pa. Filed Oct. 31, 1929. Serial No. 291,811.

PARQUET

For Textile Carpets.
Claims use since November, 1923.

265,654. (CLASS 38. PRINTS AND PUBLICATIONS.) FAIRCHILD PUBLICATIONS CORP., New York, N. Y. Filed Oct. 28, 1929. Serial No. 291,659.

Fairchild News Service

For Featured and Copyrighted Articles or News Column or Columns for Magazines, Newspapers, Trade Papers, and Other Publications Issued Periodically.
Claims use since Sept. 12, 1921.

TRADE-MARK REGISTRATIONS RENEWED

33,045. HERB TEA. Registered June 6, 1899. IRA CALDWELL. Renewed June 6, 1929, to Elizabeth H. Tompkins, trustee of the estate of Ira Caldwell, deceased, doing business as the Ira Caldwell Drug Company, Newburgh, N. Y., assignee.

34,353. CERTAIN NAMED STONE. Registered March 20, 1900. THE CLEVELAND STONE COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed March 20, 1930.

34,666. ANTIFRICTION METALS, ALLOYS, AND JOURNAL BEARINGS. Registered May 1, 1900. MAGNOLIA METAL COMPANY, New York, N. Y., a Corporation of West Virginia. Renewed May 1, 1930.
389 O. G.—68

71,342. HORSESHOE CALKS. Registered November 17, 1908. SAMUEL H. ROBERTS, Chicago, Ill. Renewed November 17, 1928, to Phoenix Horse Shoe Company, Joliet, Ill., Cleves, Ohio, and Poughkeepsie, N. Y., a Corporation of Illinois, successor.

75,656. A REMEDY FOR CERTAIN DISEASES. Registered November 2, 1909. THE A. SCHORREIT MEDICINE CO., San Jose, Calif. Renewed November 2, 1929.

75,694. A NONALCOHOLIC EXTRACT USED IN MAKING BEVERAGES. Registered November 2, 1909. JOHN DIXON & CO. Renewed November 2, 1929, to O. T. Limited, Prahran, near Melbourne, Victoria, Australia, a Corporation of Victoria, Australia, successor.

- 75,846. COUTILS, BATISTES, SATINS, TRICOT, RIBBONS, PLUSH, AND WEBBINGS. Registered November 23, 1909. ERNEST DE GRANDMONT. Renewed November 23, 1929, to E. de Grandmont, Inc., New York, N. Y., a Corporation of Delaware, assignee.
- 75,870. PREPARED TAPIOCA. Registered November 23, 1909. MINUTE TAPIOCA COMPANY, Orange, Mass. Renewed November 23, 1929, to Minute Tapioca Company, Inc., New York, N. Y., a Corporation of Massachusetts, assignee by mesne assignments.
- 76,048. CERTAIN HEATING APPARATUS. Registered December 7, 1909. THE TAPLIN-RICE-CLERKIN CO., Akron, Ohio, a Corporation of Ohio. Renewed December 7, 1929.
- 76,187. CERTAIN FOODS. Registered December 21, 1909. THE SQUIRREL BRAND COMPANY. Renewed December 21, 1929, to Squirrel Brand Co., Cambridge, Mass., a Corporation of Massachusetts, assignee.
- 76,188. REFINED PETROLEUM. Registered December 21, 1909. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed December 21, 1929.
- 76,195. HAIRPINS AND COMBS. Registered December 28, 1909. PACIFIC NOVELTY COMPANY. Renewed December 28, 1929, to Du Pont Viscoid Company, New York, N. Y., a Corporation of Delaware, assignee.
- 76,255. FOOT POWDER. Registered December 28, 1909. RICHARD J. MOORE, New York, N. Y. Renewed December 28, 1929, to McKesson & Robbins, Incorporated, Bridgeport, Conn., a Corporation of Connecticut, successor.
- 76,306. PIPES. Registered January 4, 1910. SCHWABACHER BROS. & CO. INC., Seattle, Wash., a Corporation of Washington. Renewed January 4, 1930.
- 76,324. SERGES. Registered January 4, 1910. EGERTON BURNETT, LTD. Renewed January 4, 1930, to Frank Jennings Burnett, doing business as Egerton Burnetts, Wellington, England, successor.
- 76,355. EYEWATER. Registered January 11, 1910. JOHN R. DICKEY, Bristol, Tenn. Renewed January 11, 1930, to John R. Dickey, Jr., and Herman S. Dickey, executors of estate of John R. Dickey, deceased, doing business as Dickey Drug Company, Bristol, Va., assignee.
- 76,465. CANNED VEGETABLES. Registered January 18, 1910. THE WAUKESHA CANNING COMPANY, Waukesha, Wis. Renewed January 18, 1930, to The J. B. Inderrieden Co., Chicago, Ill., a Corporation of Illinois, assignee by mesne assignments.
- 76,520. STEEL HINGES. Registered January 25, 1910. THE STANLEY WORKS, New Britain, Conn., a Corporation of Connecticut. Renewed January 25, 1930.
- 76,527. COFFEE AND TEA. Registered January 25, 1910. NATIONAL COFFEE CO. Renewed January 25, 1930, to National Coffee Co., Fort Worth, Tex., a Corporation of Texas, successor.
- 76,561. CERTAIN FOODS. Registered January 25, 1910. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio, a Corporation of Ohio. Renewed January 25, 1930.
- 76,599. CANNED FRUITS AND CANNED VEGETABLES. Registered February 1, 1910. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif., a Corporation of California. Renewed February 1, 1930.
- 76,698. CANNED FRUITS AND CANNED VEGETABLES. Registered February 8, 1910. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif., a Corporation of California. Renewed February 8, 1930.
- 76,714. SPECIALLY-TREATED CHLORIN GAS. Registered February 8, 1910. ELECTRO BLEACHING GAS COMPANY, New York, N. Y., a Corporation of New York. Renewed February 8, 1930.
- 76,800. CIGARS, TOBIES, AND CHEROOTS. Registered February 15, 1910. THE STANDARD CIGAR COMPANY OF PITTSBURGH, Pa. Renewed February 15, 1930, to The Standard Cigar Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.
- 76,824. HIDE POWDER. Registered February 15, 1910. WILLIAM H. TEAS. Renewed February 15, 1930, to William K. Alsop, Ridgway, Pa., assignee.
- 76,907. METAL POLISH. Registered February 22, 1910. E. W. BENNETT AND COMPANY. Renewed February 22, 1930, to George E. Bennett, doing business as E. W. Bennett & Co., San Francisco, Calif., assignee.
- 76,951. STAPLE-LIKE METALLIC FASTENERS. Registered March 1, 1910. HEATON-PENINSULAR BUTTON FASTENER COMPANY, Boston, Mass., a Corporation of Maine. Renewed March 1, 1930.
- 76,954. REMEDIES FOR CERTAIN DISEASES. Registered March 1, 1910. EMMA J. WILSON. Renewed March 1, 1930, to Roy S. Wilson, Zanesville, Ohio, successor.
- 76,984. VALVES. Registered March 1, 1910. AMERICAN STEAM GAUGE & VALVE MFG. CO., Boston, Mass. Renewed March 1, 1930, to Consolidated Ashcroft Hancock Company, New York, N. Y., a Corporation of Delaware, assignee.
- 76,998. CERTAIN MACHINES. Registered March 1, 1910. HEATON-PENINSULAR BUTTON FASTENER COMPANY, Boston, Mass., a Corporation of Maine. Renewed March 1, 1930.
- 77,014. CERTAIN TOOLS. Registered March 1, 1910. WARREN AXE & TOOL COMPANY, Warren, Pa., a Corporation of Pennsylvania. Renewed March 1, 1930.
- 77,015. CANNED PEAS. Registered March 1, 1910. THE WAUKESHA CANNING COMPANY, Waukesha, Wis. Renewed March 1, 1930, to The J. B. Inderrieden Co., Chicago, Ill., a Corporation of Illinois, assignee by mesne assignments.
- 77,111. PILLS FOR FEMALE COMPLAINTS. Registered March 8, 1910. HORACE B. TAYLOR, Philadelphia, Pa. Renewed March 8, 1930, to Isabel Jackson Taylor, executrix of the estate of Horace B. Taylor, deceased, doing business as H. B. Taylor Co., Bala, Pa., assignee.
- 77,138. CANNED FRUITS AND VEGETABLES. Registered March 15, 1910. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif., a Corporation of California. Renewed March 15, 1930.
- 77,197. CANNED FRUITS. Registered March 22, 1910. CARQUINEZ PACKING CO. Renewed March 22, 1930, to G. W. Hume Company, San Francisco, Calif., a Corporation of California, assignee.
- 77,198. CANNED FRUITS. Registered March 22, 1910. CARQUINEZ CO. Renewed March 22, 1930, to G. W. Hume Company, San Francisco, Calif., a Corporation of California, assignee.
- 77,222. HATCHETS, SCREW DRIVERS, AND STEEL KNIVES. Registered March 22, 1910. BURGESS-NORTON MFG. COMPANY, Geneva, Ill., a Corporation of Illinois. Renewed March 22, 1930.
- 77,241. SAFES. Registered March 22, 1910. THE HOWE SCALE CO., Rutland, Vt., a Corporation of Vermont. Renewed March 22, 1930.
- 77,407. PRINTED PICTURES AND PICTORIAL ILLUSTRATIONS. Registered April 5, 1910. R. R. DONNELLEY & SONS COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed April 5, 1930.
- 77,427. RICE. Registered April 5, 1910. SEABOARD RICE MILLING CO., Galveston, Tex. Renewed April 5, 1930, to Comet Rice Company, New York, N. Y., a Corporation of Texas, by change of name.
- 77,554. CLEANING AND POLISHING PREPARATIONS. Registered April 19, 1910. MINNIE SANDERS MANNING, Chester, Vt. Renewed April 19, 1930, to Leontine, Incorporated, West Hartford, Conn., a Corporation of Connecticut, assignee by mesne assignments.
- 77,567. FLAVORING EXTRACTS. Registered April 19, 1910. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed April 19, 1930.
- 77,607. CORSETS. Registered April 26, 1910. AURORA CORSET COMPANY, Aurora, Ill., a Corporation of Illinois. Renewed April 26, 1930.

- 77,632. CLOTH AND LEATHER BOOTS AND SHOES. Registered April 26, 1910. THE FLORSHHEIM SHOE COMPANY. Renewed April 26, 1930, to The Florshelm Shoe Company, Chicago, Ill., a Corporation of Illinois, assignee.
- 77,642. DENTAL CEMENT AND ROOT FILLER. Registered April 26, 1910. WEBSTER BRUCE GLOTFELTY, Sharpsburg, Pa. Renewed April 26, 1930, to Webster Bruce Gloftelty, Pittsburgh, Pa.
- 77,660. BROOMS. Registered April 26, 1910. MERKLE WILEY BROOM CO. Renewed April 26, 1930, to Merkle Broom Co., Paris, Ill., a Corporation of Illinois, successor.
- 77,661. BROOMS. Registered April 26, 1910. MERKLE WILEY BROOM CO. Renewed April 26, 1930, to Merkle Broom Co., Paris, Ill., a Corporation of Illinois, successor.
- 77,682. RAZORS. Registered April 26, 1910. EDWARD WECK. Renewed April 26, 1930, to Edward Weck & Son, Inc., New York, N. Y., a Corporation of New York, successor.
- 77,716. CERTAIN TEXTILES. Registered May 3, 1910. F. A. FOSTER & CO. INC., as assignee of F. A. Foster & Co. Renewed May 3, 1930, to F. A. Foster & Company, Incorporated, New York, N. Y., a Corporation of New York, assignee by mesne assignments.
- 77,734. ELECTROTYPES. Registered May 3, 1910. WALTER C. JACOBS, Newark, N. J. Renewed May 3, 1930.
- 77,750. LOCKS AND BOLTS. Registered May 3, 1910. NORVELL-SHAPLEIGH HARDWARE COMPANY. Renewed May 3, 1930, to Shapleigh Hardware Company, St. Louis, Mo., a Corporation of Missouri, by change of name.
- 77,751. SQUARES AND WING DIVIDERS. Registered May 3, 1910. NORVELL-SHAPLEIGH HARDWARE COMPANY. Renewed May 3, 1930, to Shapleigh Hardware Company, St. Louis, Mo., a Corporation of Missouri, by change of name.
- 77,752. CERTAIN TOOLS. Registered May 3, 1910. NORVELL-SHAPLEIGH HARDWARE COMPANY. Renewed May 3, 1930, to Shapleigh Hardware Company, St. Louis, Mo., a Corporation of Missouri, by change of name.
- 77,753. BAKING POWDER. Registered May 3, 1910. OLIVER-FINNIE CO., Memphis, Tenn., a Corporation of Tennessee. Renewed May 3, 1930.
- 77,754. MARINE AND FIELD GLASSES. Registered May 3, 1910. PINKHAM & SMITH COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed May 3, 1930.
- 77,760. ANTHRACITE COAL. Registered May 3, 1910. WARNER G. MORTON. Renewed May 3, 1930, to Warner G. Morton, Albany, N. Y., a Copartnership, successor.
- 77,815. HOSIERY. Registered May 10, 1910. KAHN & FRANK, New York, N. Y. Renewed May 10, 1930.
- 77,833. RICE. Registered May 10, 1910. SEABOARD RICE MILLING CO., Galveston, Tex. Renewed May 10, 1930, to Comet Rice Company, New York, N. Y., a Corporation of Texas, by change of name.
- 77,834. RICE. Registered May 10, 1910. SEABOARD RICE MILLING CO., Galveston, Tex. Renewed May 10, 1930, to Comet Rice Company, New York, N. Y., a Corporation of Texas, by change of name.
- 77,835. RICE. Registered May 10, 1910. SEABOARD RICE MILLING CO., Galveston, Tex. Renewed May 10, 1930, to Comet Rice Company, New York, N. Y., a Corporation of Texas, by change of name.
- 77,870. CULTIVATORS. Registered May 10, 1910. HARTMAN MFG. CO., Vincennes, Ind. Renewed May 10, 1930, to Hartman Mfg. Co., Evansville, Ind., a Corporation of Indiana.
- 77,904. PURIFYING MATERIAL FOR GAS. Registered May 17, 1910. CONNELLY IRON SPONGE & GOVERNOR COMPANY, New York, N. Y. Renewed May 17, 1930, to Connelly Iron Sponge & Governor Company, Long Island City, N. Y., a Corporation of New Jersey.
- 77,905. WRITING PAPER. Registered May 17, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a Corporation of Massachusetts. Renewed May 17, 1930.
- 77,906. WRITING PAPER. Registered May 17, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a Corporation of Massachusetts. Renewed May 17, 1930.
- 77,907. WRITING PAPER. Registered May 17, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a Corporation of Massachusetts. Renewed May 17, 1930.
- 77,908. WRITING PAPER. Registered May 17, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a Corporation of Massachusetts. Renewed May 17, 1930.

LABELS

REGISTERED DECEMBER 31, 1929

- 36,820.—Title: AMERICAN BEAUTY GIANT POP CORN. For Pop Corn. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Published September 1, 1929.
- 36,821.—Title: ANGONOA'S. For Bread Sticks. A ANGONOA, INC., New York, N. Y. Published September 10, 1929.
- 36,822.—Title: AROMINTS COCKTAIL. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,823.—Title: AROMINTS VIOLET. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,824.—Title: AROMINTS LICORICE. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,825.—Title: AROMINTS CLOVES. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,826.—Title: AROMINTS LIME. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,827.—Title: AROMINTS ORANGE. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,828.—Title: AROMINTS WINTERGREEN. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,829.—Title: AROMINTS CINNAMON. For Candy. AROMINT CORPORATION, Cincinnati, Ohio. Published July 19, 1928.
- 36,830.—Title: BEGLEY'S FAMOUS CORNED BEEF AND CABBAGE. For Canned Corned Beef and Cabbage. BEGLEY FOOD PRODUCTS CO., Chicago, Ill. Published September 29, 1929.
- 36,831.—Title: MISSION DRY SPARKLING GRAPE-FRUIT. For Grapefruit Drink. CALIFORNIA CRUSHED FRUIT CORPORATION, Los Angeles, Calif. Published November 1, 1929.
- 36,832.—Title: MISSION DRY SPARKLING ORANGE. For Orange Drink. CALIFORNIA CRUSHED FRUIT CORPORATION, Los Angeles, Calif. Published November 1, 1929.
- 36,833.—Title: ESCOLLOID. For Detergents. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Published September 1, 1929.
- 36,834.—Title: DAIRYLEA ROLLER PROCESS DRIED SKIM MILK. For Dried Skim Milk. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica and New York, N. Y. Published June 18, 1929.

- 36,835.—*Title:* DAIRYLEA GRAY-JENSEN PROCESS DRIED SKIM MILK. For Dried Skim Milk. DAIRY-MEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica and New York, N. Y. Published October 17, 1929.
- 36,836.—*Title:* FIVE GALLON B-K. CONCENTRATED SODIUM HYPOCHLORITE. For Sodium Hypochlorite Fluid. GENERAL LABORATORIES, INC., Madison, Wis. Published November 2, 1929.
- 36,837.—*Title:* GILLIAM'S PECO BAR. For Candy Bar. CLEV. GILLIAM, doing business as Gilliam Candy Co., Paducah, Ky. Published February 15, 1929.
- 36,838.—*Title:* BUON SAPORE. For Cottonseed Salad Oil. A. GIURLANI & BRO., San Francisco, Calif. Published September 15, 1928.
- 36,839.—*Title:* HOME KRAFT CANDIES. For Candy. GEO. HAAS & SONS, San Francisco, Calif. Published September 13, 1927.
- 36,840.—*Title:* DROMEDARY GRAPEFRUIT. For Canned Grapefruit. THE HILLS BROTHERS COMPANY OF FLORIDA, Clearwater, Fla. Published November 15, 1929.
- 36,841.—*Title:* HOLLYWOOD ENGLISH TYPE GINGER BEER. For Ginger Beer. HOLLYWOOD DRY CORPORATION, Los Angeles, Calif. Published August 14, 1929.
- 36,842.—*Title:* EASY TO EAT. For Chocolate-Coated Peanuts. TOM HUSTON PEANUT COMPANY, Columbus, Ga. Published November 8, 1929.
- 36,843.—*Title:* JEEKAY POMADE. For Pomade for Hair. JEEKAY PRODUCTS CO., Cleveland, Ohio. Published November 14, 1929.
- 36,844.—*Title:* DOUBLE-KAY NUT-BUTTER TOASTED. For Nuts. THE KELLING NUT CO., Chicago, Ill. Published October 20, 1929.
- 36,845.—*Title:* NAVIGATOR LEAD PENCILS. For Lead Pencils. KOH-I-NOOR BLEISTEINFABRIK L. & C. HARTMUTH, Budweis, Czechoslovakia. Published October 24, 1929.
- 36,846.—*Title:* KOMIC KLOWN. For a Clown Doll. PAT PAIGE, INCORPORATED, New York, N. Y. Published August 9, 1929.
- 36,847.—*Title:* HALE HEARTY. For Malt Syrup. PHILADELPHIA MALT EXTRACT COMPANY, Philadelphia, Pa. Published November 15, 1929.
- 36,848.—*Title:* A LITTLE SMILE. For Flavoring Extracts. RALPH PICHEL, doing business as The Old Servitor Distributing Co., Hartsdale, N. Y. Published November 2, 1929.

- 36,849.—*Title:* LEMON-CHEESE SANDWICH SPREAD. For a Sandwich Spread. VICTOR T. RINNANDER, Denver, Colo. Published October 2, 1929.
- 36,850.—*Title:* DECARBONOL. For Compound for Decarbonizing and Lubricating the Upper Gasoline-Engine Cylinder. G. F. RUDDIES, Chicago, Ill. Published May 1, 1929.
- 36,851.—*Title:* DR. SCHOLL'S SURGICAL ARCH SUPPORTS. For Arch Supports. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published February 2, 1926.
- 36,852.—*Title:* DR. SCHOLL'S SCIENTIFIC ARCH SUPPORTS. For Arch Supports. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published April 1, 1928.
- 36,853.—*Title:* DR. SCHOLL'S AIRLITE ARCH SUPPORT. For Arch Supports. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published June 1, 1916.
- 36,854.—*Title:* SILK LIFE, INCORPORATED. For a Silk Preservative. SILK LIFE, INCORPORATED, Jacksonville, Fla. Published October 30, 1929.
- 36,855.—*Title:* FLEISCHMANN'S SPRING LAID EGG YOLKS. For Frozen Egg Yolks. STANDARD BRANDS INCORPORATED, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Published October 25, 1929.
- 36,856.—*Title:* FLEISCHMANN'S SPRING LAID EGG WHITES. For Frozen Egg Whites. STANDARD BRANDS INCORPORATED, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Published October 25, 1929.
- 36,857.—*Title:* FLEISCHMANN'S SPRING LAID WHOLE EGGS. For Frozen Whole Eggs. STANDARD BRANDS INCORPORATED, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Published October 25, 1929.
- 36,858.—*Title:* STUART CHOCOLATES. For Chocolates. STUART CHOCOLATES CO., Milwaukee, Wis. Published September 25, 1929.
- 36,859.—*Title:* CARNIVAL. For Rubber-Stamp Sets for Children. THE SUPERIOR TYPE COMPANY, Chicago, Ill. Published November 1, 1929.
- 36,860.—*Title:* MISSISSIPPI. For Ginger Cake. TWO BROTHERS' BAKERY, Tampa, Fla. Published November 6, 1929.
- 36,861.—*Title:* THE SPORTSMAN'S LOTION. For Lotion for the Skin. MARGARET ETHEL WILTSE, Roslyn, N. Y. Published August 7, 1929.
- 36,862.—*Title:* ABSORBINE JR. For Liniment. W. F. YOUNG, INC., Springfield, Mass. Published November 15, 1929.

PRINTS

REGISTERED DECEMBER 31, 1929

- 12,270.—*Title:* THE FIRST CHRISTMAS GIFTS. For Venetian Toilet Preparations. ELIZABETH ARDEN, INC., doing business as Elizabeth Arden, New York, N. Y. Published November 10, 1929.
- 12,271.—*Title:* IF YOU SHOULD TAKE A BOAT AND SAIL AROUND THE WORLD. For Venetian Toilet Preparations. ELIZABETH ARDEN, INC., doing business as Elizabeth Arden, New York, N. Y. Published October 26, 1929.
- 12,272.—*Title:* THE FIRST CHRISTMAS GIFTS. For Venetian Toilet Preparations. ELIZABETH ARDEN, INC., doing business as Elizabeth Arden, New York, N. Y. Published November 20, 1929.
- 12,273.—*Title:* CAPITAL. For Incubators and Brooders. CAPITAL INCUBATOR CO., St. Paul, Minn. Published January 1, 1928.
- 12,274.—*Title:* MARY AND ANTOINETTE PINCHOT, DAUGHTERS OF MR. AND MRS. AMOS PINCHOT, OF PARK AVENUE, NEW YORK. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published November 10, 1929.
- 12,275.—*Title:* EUREKA SUCTION BCHOES. For Plate Retainers to Hold Up Artificial Teeth. EUREKA SUCTION COMPANY, Loudonville, Ohio. Published November 2, 1929.
- 12,276.—*Title:* HERE'S HOW: ORANGE CRUSH-DRY. For a Carbonated Orangeade. ORANGE-CRUSH COMPANY, Chicago, Ill. Published July 15, 1929.
- 12,277.—*Title:* GRACE TANCILL JERSEY COAT DRESS, MODEL 14. For Dresses. GRACE TANCILL, St. Louis, Mo. Published November 22, 1929.

REISSUES

DECEMBER 31, 1929

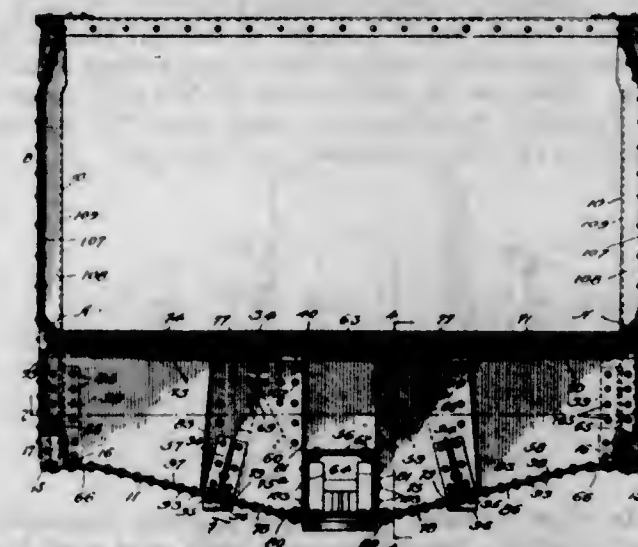
- 17,540. PRIMER COMPOSITION. HANS RATHSBURG, Furth, Germany, assignor to Rheinisch-Westfälische Sprengstoff-Aktiengesellschaft, Cologne, Germany. Filed Oct. 18, 1929. Serial No. 400,723. Original application filed Dec. 20, 1923, Serial No. 681,876. Divided and this application filed Mar. 18, 1925, Serial No. 16,562, and in Belgium Oct. 23, 1923. Original No. 1,586,380, dated May 25, 1926. 2 Claims. (Cl. 52—13.)
1. A primer composition comprising guanylnitrosamino-guanyltetracene admixed with a salt of an organic nitro-compound.

- 17,541. METHOD OF PREPARING WATERPROOFING COMPOSITIONS AND PRODUCTS. ALLEN F. OWEN, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Mar. 26, 1928. Serial No. 350,123. Original No. 1,656,953, dated Jan. 24, 1928, Serial No. 28,734, filed May 7, 1925. 27 Claims. (Cl. 134—17.)

1. The method of making a rubber composition which comprises mixing an aqueous dispersion of rubber, water and oil in the presence of a water repellent saponification product.

18. As a new rubber product, a dispersion comprising water, oil, rubber, and a water repellent saponification product.

- 17,542. BODY BOLSTER. WILLIAM E. WINE, Toledo, Ohio, assignor to Wine Railway Appliance Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 17, 1929. Serial No. 393,256. Original application filed May 6, 1927, Serial No. 146,977, Patent No. 1,703,756, dated Feb. 26, 1929. Divided and application filed Nov. 21, 1927, Serial No. 234,740, Patent No. 1,703,758, dated Feb. 26, 1929. 27 Claims. (Cl. 105—228.)

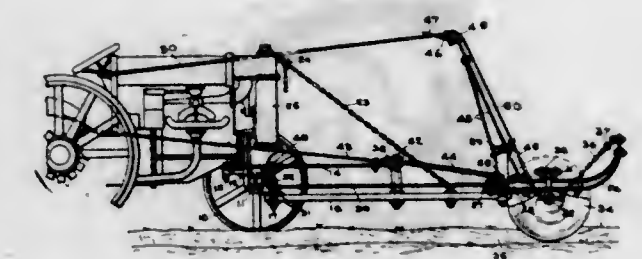


1. A bolster for a freight car comprising two similar end plates and a center plate, said end plates being oppositely arranged with respect to each other, and four plates arranged two on each side of said first mentioned plates for tying them together.

- 17,543. STEERING ATTACHMENT FOR TRACTORS. FRED L. WILLRODT, Omaha, Nebr. Filed Aug. 15, 1929. Serial No. 385,986. Original No. 1,639,246, dated Aug. 16, 1927, Serial No. 119,656, filed June 30, 1926. 12 Claims. (Cl. 97—49.)

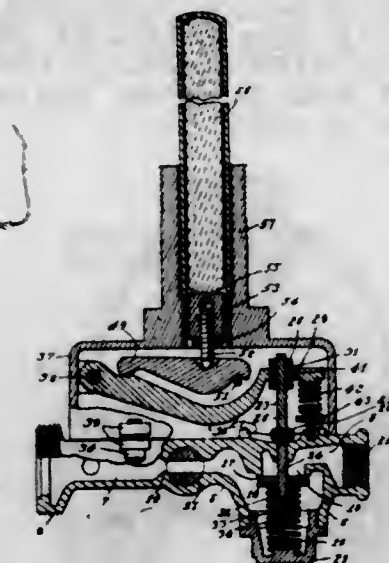
1. In a steering attachment for tractors, a carrier-beam provided with a shoe and mounted on the tractor to permit

vertical and horizontal movements, a supporting-bar hingebly mounted on the shoe to permit vertical movements and pivotally mounted on said shoe to permit horizontal movements, a brace-member connected with the supporting-bar and mounted on the shoe, a guide member rotatably mounted on the supporting-bar and adapted to



travel in a furrow and to move the carrier-beam, a steering-arm connected with the steering mechanism of the tractor, and a control-bar movable with the carrier-beam, detachably connected with said steering-arm for actuating said steering-arm and steering mechanism of said tractor.

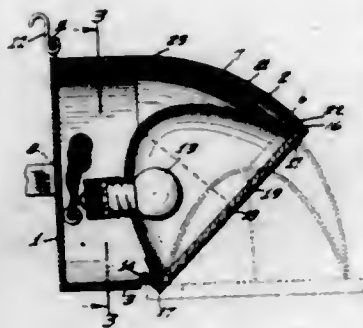
- 17,544. THERMOSTATIC VALVE. ADOLF BELER, deceased, Pittsburgh, Pa., by Grayson Heat Control, Inc., Lynwood, Calif., assignee. Filed Aug. 10, 1929. Serial No. 384,917. Original No. 1,691,908, dated Nov. 13, 1928, Serial No. 630,019, filed Apr. 5, 1923. 11 Claims. (Cl. 230—48.)



4. A thermostatic device comprising a casing, a valve therein to be operated, spring means on one side of the valve approximately concentric therewith normally urging the same toward closed position, a snap action over-center element of spring material on the other side of the valve approximately concentric therewith and arranged to cause the opening of said valve against the action of said spring means, means between the over-center element and said valve and substantially coaxial therewith for communicating opening movement to said valve, thermal-responsive means, and means behind said over-center element

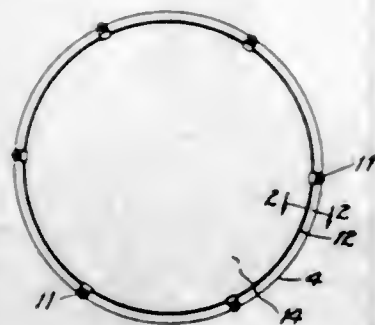
ment and substantially coaxial therewith for forcing the same over dead-center in response to a predetermined movement of the thermal-responsive means.

17,545. LAMP. JOSEPH F. NENZEL, Los Angeles, Calif., assignor to Nenzel Manufacturing Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 18, 1928. Serial No. 300,555. Original No. 1,619,213, dated Mar. 1, 1927, Serial No. 14,777, filed Mar. 11, 1925. 2 Claims. (Cl. 240-41.)



2. A device of the class described comprising a substantially cylindrical housing having a flat base portion and its wall above the base portion extended on a downwardly curved arc beyond the forward side of the base portion to provide an opening at an angle approximating the radius of the arc, a reflector within the opening of said housing and hingedly mounted on the forward edge of the base portion for movement outwardly of the said opening, a lamp carried by said reflector and in a plane below the center thereof, means carried by the upper portion of said reflector and extending rearwardly within said housing for sliding contact with the upper wall portion thereof, and cooperative means carried by the upper wall portion of said housing and the inner side of said means for limiting the outward movement of the said reflector.

17,546. DRUM. RUSSELL W. HAGEN, Chicago, Ill., assignor to Julius A. Meyer, St. Louis, Mo. Filed Oct. 19, 1928. Serial No. 313,600. Original No. 1,615,202, dated Jan. 18, 1927, Serial No. 616,308, filed Feb. 1, 1923. 5 Claims. (Cl. 84-411.)



1. A drum embodying therein a body comprising two body shell members having interengaging channel portions including annular flange-like parts, a head and head ring on each end of the body, a tension hoop engaged with each head ring, sleeves extending through said flange-like parts and securing them together, and tension rods operatively engaged with the tension hoops and threaded into said sleeves in said flange-like parts.

17,547. WALL-SUPPORT STRUCTURE. EARL F. HAUSERMAN, Cleveland Heights, LEROY D. MOWERY, Cleveland, and JOHN A. BOHNSACK, East Cleveland, Ohio, assignors to The E. F. Hauserman Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 29, 1929. Serial No. 404,187. Original No. 1,725,349, dated Aug. 20, 1929, Serial No. 134,112, filed Sept. 7, 1926. 7 Claims. (Cl. 189-34.)



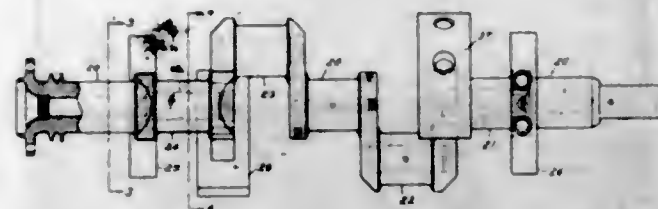
1. In construction of the character described, a hollow sheet metal support having a longitudinal opening, and a face-cover therefor adapted to be held by resiliency.

17,548. CONDENSATION PRODUCTS FROM OLEFINS AND HYDROCARBONS OF THE NAPHTHALENE SERIES AND PROCESS OF MAKING SAME. RICHARD MICHEL, Uerdlingen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Dec. 13, 1928. Serial No. 323,901. Original No. 1,667,214, dated Apr. 24, 1928, Serial No. 200,500, filed June 21, 1927, and in Germany Feb. 4, 1929. 7 Claims. (Cl. 260-168.)

1. Process which comprises reacting with an olefine upon an unsaturated hydrocarbon of the naphthalene series, in the presence of a catalytically active metallic halide, under conditions of elevated temperature over 50° C. and superatmospheric pressure.

6. As new products condensation products from olefines and unsaturated hydrocarbons of the naphthalene series comprising polyalkylated hydrocarbons of the naphthalene series wherein at least two of the alkyl groups of said hydrocarbons contain more than two carbon atoms.

17,549. INTERNAL-COMBUSTION ENGINE. THERON P. CHASE, Detroit, Mich., assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 26, 1926. Serial No. 104,831. Original No. 1,552,215, dated Sept. 1, 1925, Serial No. 644,561, filed June 11, 1923. 3 Claims. (Cl. 74-38.)

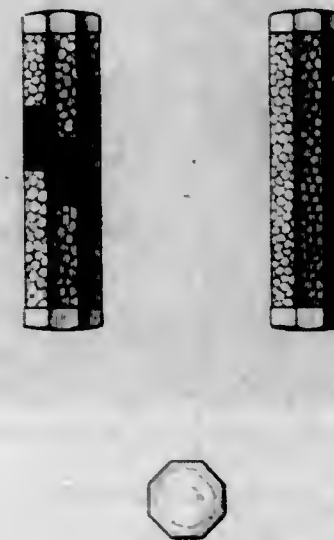


2. An eight cylinder 90° V-type internal combustion engine including a four-throw crank shaft, said shaft having its two end crank-throws oppositely placed in the same plane and having the other two crank-throws oppositely placed in another plane perpendicular to the first, said shaft also carrying counterweights, the counterweighting opposite each crank-throw being sufficient to balance the centrifugal effect of a weight, equal to the total weight of all the rod and piston parts for one cylinder of a pair and the big end of the piston rod for the other cylinder of the pair, attached to the crank-throw in such manner that its center of mass coincides with the axis of the crank-throw.

DESIGNS

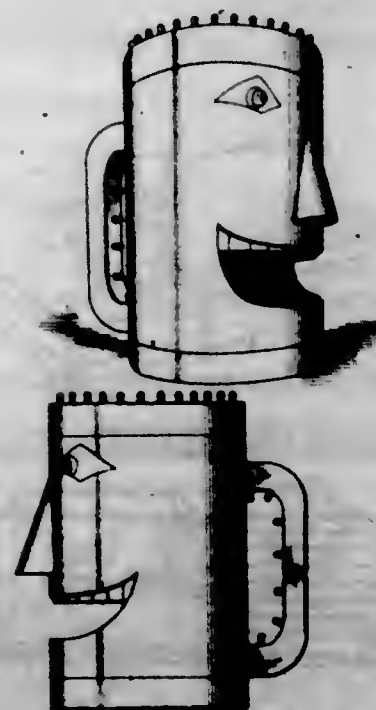
DECEMBER 31, 1929

80,211. LIP-STICK HOLDER. MIRIAM C. ACKER, New York, N. Y., assignor to Isabey-Paris, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 26, 1929. Serial No. 32,549. Term of patent 7 years.



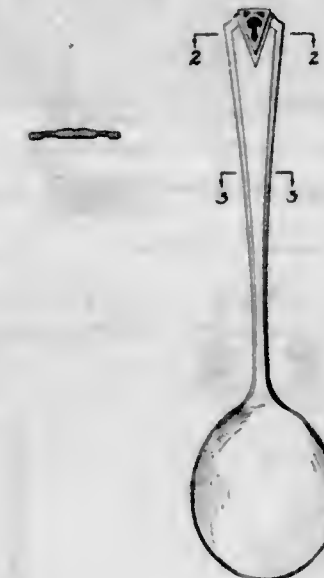
The ornamental design for a lipstick holder substantially as shown.

80,212. REFRESHMENT STAND. CHESTER E. AGER, CARL KAIL, PHILIP KAIL, ALLAN AGER, and WILTON KAIL, Lincoln, Nebr. Filed July 8, 1929. Serial No. 31,973. Term of patent 14 years.



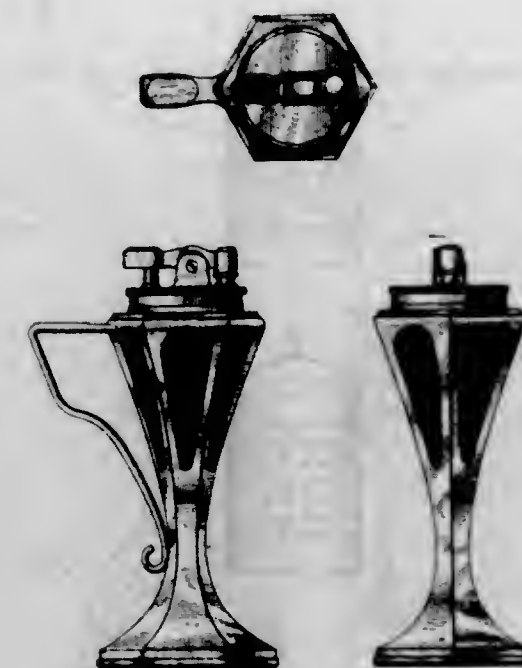
The ornamental design for a refreshment stand, as shown.

80,213. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y., assignor to Oneida Community, Limited, Oneida, N. Y., a Corporation of New York. Filed May 3, 1929. Serial No. 31,090. Term of patent 14 years.



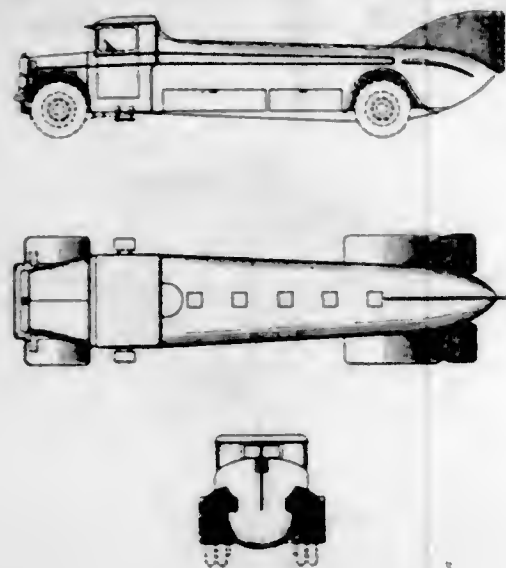
The ornamental design for a spoon or similar article as shown and described.

80,214. LIGHTER OR SIMILAR ARTICLE. LOUIS V. ARONSON, Newark, N. J., assignor to Art Metal Works, Inc., a Corporation of New Jersey. Filed May 9, 1929. Serial No. 31,147. Term of patent 14 years.



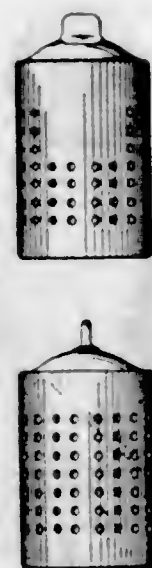
The ornamental design for a lighter or similar article substantially as shown.

80,215. VEHICLE BODY. GEORGE A. BROWN, Minneapolis, Minn. Filed Feb. 14, 1929. Serial No. 30,049. Term of patent $3\frac{1}{2}$ years.



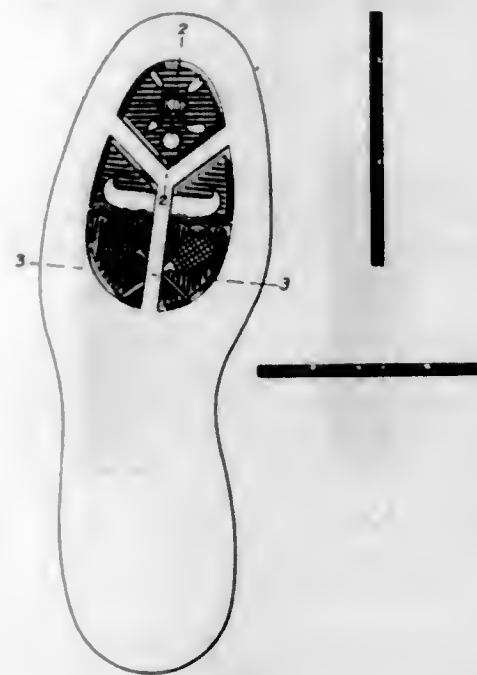
The ornamental design for a vehicle body, as shown.

80,216. CONTAINER FOR IMPARTING RADIUM EMANATIONS TO FLUIDS. SALLY BRYAN, Denver, Colo. Filed Feb. 14, 1929. Serial No. 30,046. Term of patent 14 years.



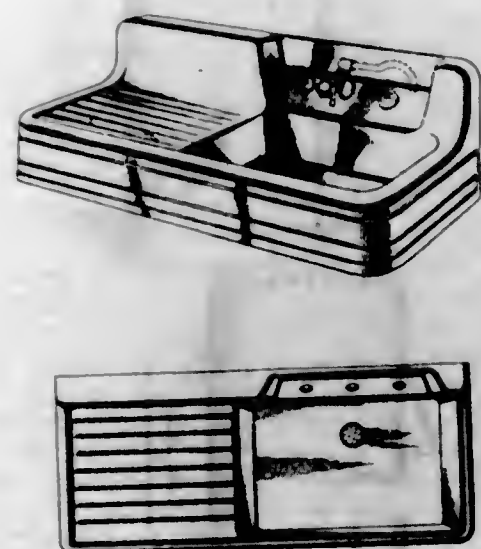
The ornamental design for a container for imparting radium emanations to fluids, as shown.

80,217. SHOE SOLE. HOWARD E. CHRISFIELD, Johnson City, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed Oct. 16, 1929. Serial No. 33,054. Term of patent 7 years.



The ornamental design for a shoe sole, substantially as shown.

80,218. SINK. CHARLES R. CRANE, 2d, and ROY H. ZINKEL, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1928. Serial No. 29,396. Term of patent 14 years.



The ornamental design for a sink, as shown.

80,219. TEXTILE FABRIC. JOSEPH C. EARNshaw, Philadelphia, Pa., assignor to Moss Rose Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 15, 1929. Serial No. 30,483. Term of patent $3\frac{1}{2}$ years.



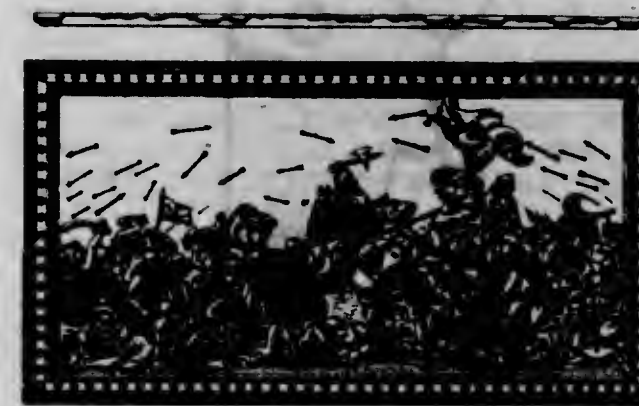
The ornamental design for a textile fabric, substantially as shown.

80,220. WALL PANEL. EDWIN T. GRAY, New York, N. Y., assignor to W. H. S. Lloyd Co., New York, N. Y. Filed May 7, 1929. Serial No. 31,128. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a wall panel, as shown.

80,221. WALL PANEL. EDWIN T. GRAY, New York, N. Y., assignor to W. H. S. Lloyd Co., New York, N. Y. Filed May 7, 1929. Serial No. 31,129. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a wall panel, as shown.

80,222. WALL PANEL. EDWIN T. GRAY, New York, N. Y., assignor to W. H. S. Lloyd Co., New York, N. Y. Filed Apr. 27, 1929. Serial No. 31,032. Term of patent $3\frac{1}{2}$ years.



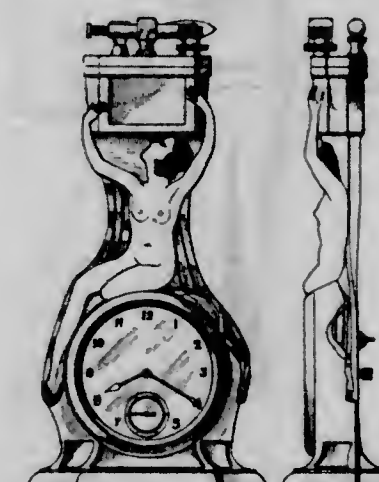
The ornamental design for a wall panel, as shown.

80,223. SHOE SOLE. JAMES E. GROSJEAN, Lima, Ohio. Filed Aug. 14, 1929. Serial No. 32,405. Term of patent 7 years.



The ornamental design for a shoe sole as shown.

80,224. CIGAR LIGHTER OR SIMILAR ARTICLE. CHARLES HARRIS, Chicago, Ill. Filed July 15, 1929. Serial No. 32,050. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a "cigar lighter" or similar article, as shown.

80,225. LAMP GLOBE. CROMWELL A. B. HALVORSON, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 17, 1928. Serial No. 28,928. Term of patent 14 years.



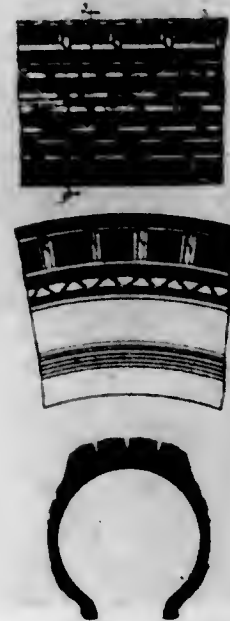
The ornamental design for a lamp globe substantially as shown.

80,226. HOOD. HERBERT V. HENDERSON, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 5, 1929. Serial No. 31,955. Term of patent 3½ years.



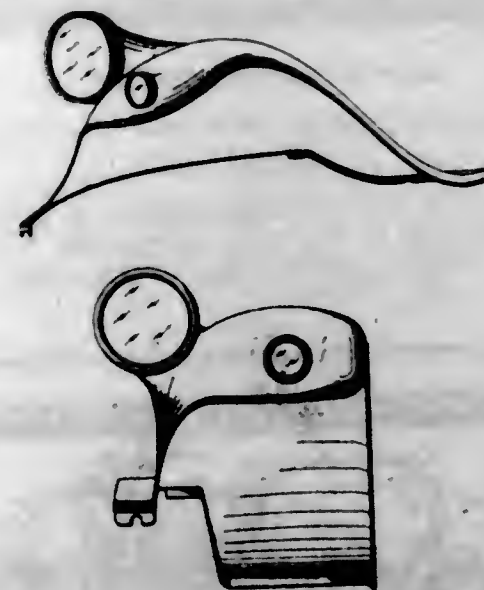
The ornamental design for a hood substantially as shown.

80,227. TIRE. HARRY C. HOWER, Chicago, Ill. Filed Oct. 11, 1929. Serial No. 33,012. Term of patent 7 years.



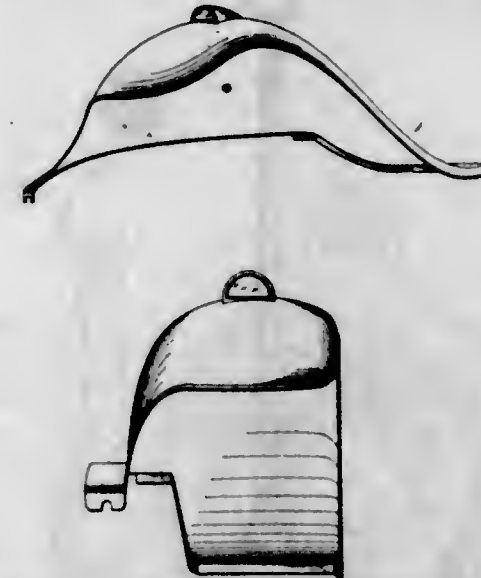
The ornamental design for a tire, as shown.

80,228. COMBINED FENDER, HEAD LAMP, AND PARKING LAMP FOR VEHICLES. JAMES R. HUGHES, South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y., a Corporation of New York. Filed Sept. 6, 1929. Serial No. 32,681. Term of patent 14 years.



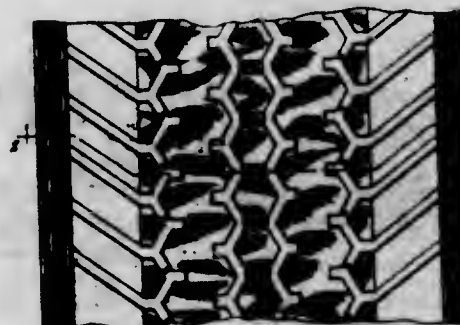
The ornamental design for a combined fender, head lamp and parking lamp for vehicles substantially as shown.

80,229. COMBINED FENDER AND LAMP CASING FOR VEHICLES. JAMES R. HUGHES, South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y., a Corporation of New York. Filed Sept. 6, 1929. Serial No. 32,683. Term of patent 14 years.



The ornamental design for a combined fender, and lamp casing for vehicles substantially as shown.

80,230. TIRE OR SIMILAR ARTICLE. RALPH W. HUTCHENS, Eau Claire, Wis., assignor to Gillette Rubber Company, Eau Claire, Wis., a Corporation of Wisconsin. Filed Dec. 22, 1928. Serial No. 29,367. Term of patent 7 years.



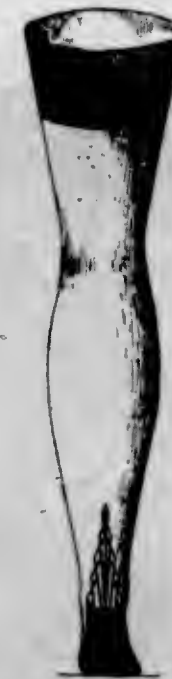
The ornamental design for a "tire" or similar article, as shown.

80,231. ELECTRICAL ATTACHMENT PLUG. WILLIAM HUPPERT, New York, N. Y. Filed Jan. 19, 1929. Serial No. 29,667. Term of patent 7 years.



The ornamental design for an electrical attachment plug, as shown.

80,232. STOCKING. ALFRED E. ISCHINGER, Reading, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Oct. 19, 1929. Serial No. 33,114. Term of patent 14 years.



The ornamental design for a stocking, as shown.

80,233. STOCKING. ALFRED E. ISCHINGER, Reading, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Oct. 19, 1929. Serial No. 33,116. Term of patent 14 years.



The ornamental design for a stocking, as shown.

80,234. STOCKING. ALFRED E. ISCHINGER, Reading, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Oct. 19, 1929. Serial No. 33,117. Term of patent 14 years.



The ornamental design for a stocking, as shown.

80,235. BOTTLE. FRANK L. JOHNSON, Statesville, N. C. Filed Sept. 28, 1929. Serial No. 32,893. Term of patent 7 years.



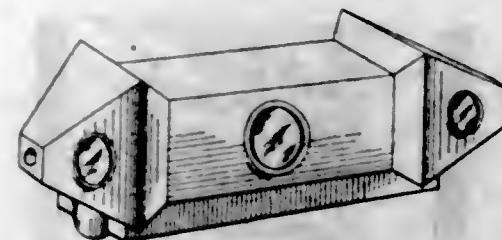
The ornamental design for a bottle, as shown.

80,236. CANDLESTICK. HENRY C. KIRK, Baltimore, Md., assignor to Samuel Kirk and Son Incorporated, Baltimore, Md., a Corporation. Filed May 8, 1928. Serial No. 26,604. Term of patent 14 years.



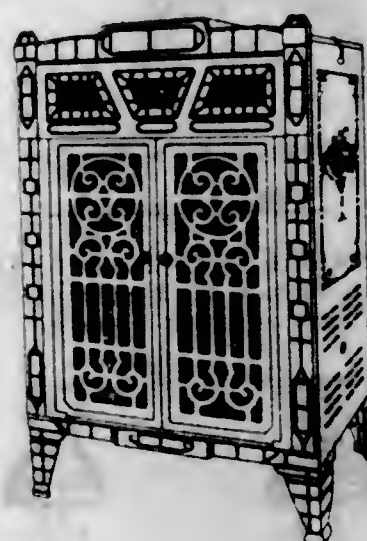
The ornamental design for a candlestick, as shown.

80,237. AUTOMOBILE SIGNAL LAMP. EMILE A. LAURENT, Denver, Colo. Filed Sept. 24, 1929. Serial No. 32,847. Term of patent 14 years.



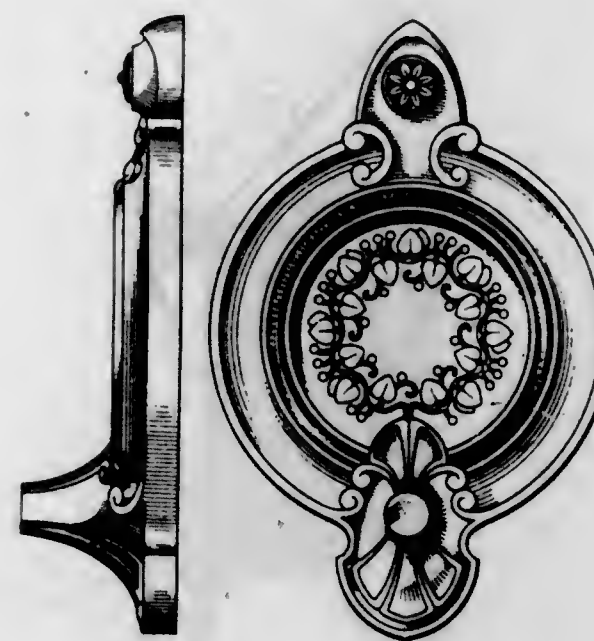
The ornamental design for an automobile signal lamp as shown and described.

80,238. STOVE CASING. MAX R. LEHMAN, Quincy, Ill., assignor to Orbon Stove Co., Belleville, Ill., a Corporation of Delaware. Filed Oct. 31, 1929. Serial No. 33,239. Term of patent 14 years.



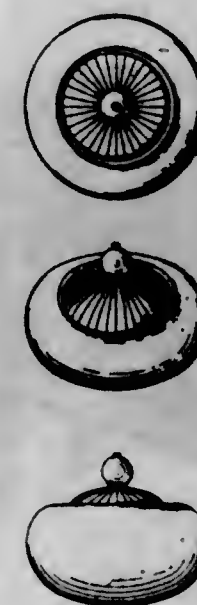
The ornamental design for a stove casing as shown and described.

80,239. LAMP BASE. GEORGE LORENZE MULLER, Decatur, Ill., assignor to Farles Manufacturing Company, Decatur, Ill., a Corporation of Illinois. Filed Oct. 16, 1929. Serial No. 33,045. Term of patent 7 years.



The ornamental design for a lamp base, as shown.

80,240. CAKE OF SOAP. ALBERT MOSHEIM, New York, N. Y. Filed Oct. 16, 1929. Serial No. 33,053. Term of patent 14 years.



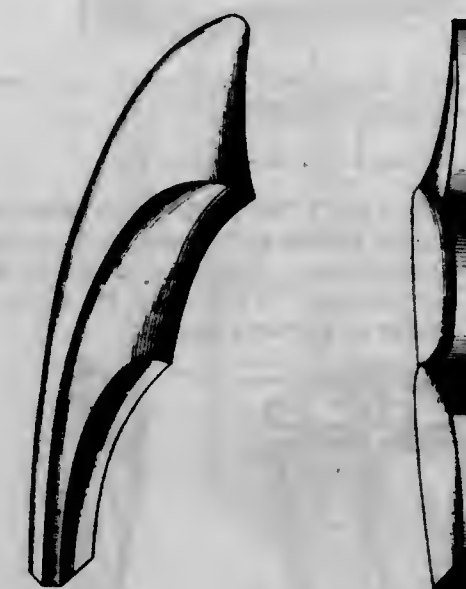
The ornamental design for a cake of soap, as shown.

80,241. TEXTILE FABRIC OR SIMILAR ARTICLE. BENJAMIN S. NASH, Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio, a Corporation of Ohio. Filed July 1, 1929. Serial No. 31,921. Term of patent 14 years.



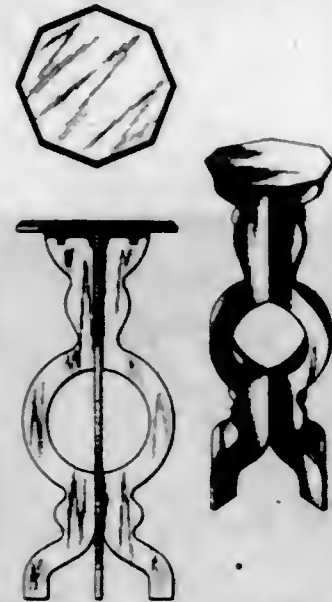
The ornamental design for a textile fabric or similar article substantially as shown and described.

80,242. CLAMP PLATE. WILLIAM MEYERHUBER, Detroit, Mich., assignor to General Spring Bumper Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 12, 1929. Serial No. 30,859. Term of patent 14 years.



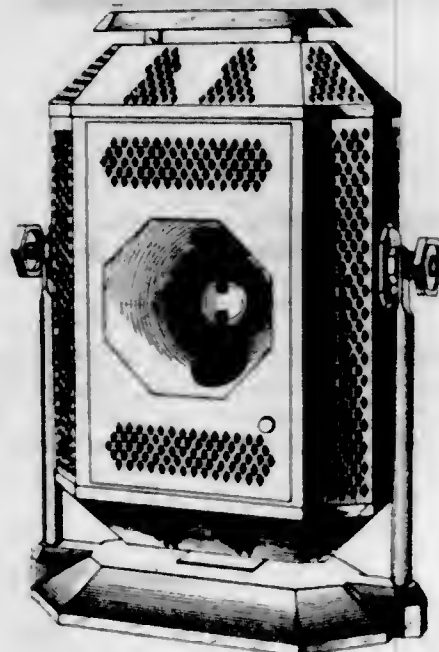
The ornamental design for a clamp plate as shown.

80,243. STAND. WILLIAM M. MOORE, Philadelphia, Pa. Filed Feb. 28, 1929. Serial No. 30,248. Term of patent $3\frac{1}{2}$ years.



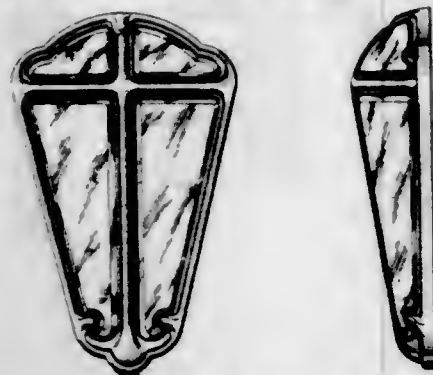
The ornamental design for a stand as shown.

80,244. ELECTRIC ARC LAMP. ALBERT G. SAURWEIN, Cleveland, Ohio. Filed Aug. 28, 1929. Serial No. 32,569. Term of patent 7 years.



The ornamental design for an electric arc lamp substantially as shown and described.

80,245. CORNER LIGHT FOR AN AUTOMOTIVE VEHICLE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 12, 1929. Serial No. 32,733. Term of patent 7 years.



The ornamental design for a corner light for an automotive vehicle substantially as shown.

80,246. FRETTED STRING INSTRUMENT. EMIL O. STARKE, Oak Park, Ill. Filed Oct. 15, 1929. Serial No. 33,040. Term of patent 14 years.



The ornamental design of a fretted string instrument, as shown.

80,247. RADIOCABINET. WILLIAM B. STEVENSON, Moorestown, N. J., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed May 6, 1929. Serial No. 31,105. Term of patent 14 years.



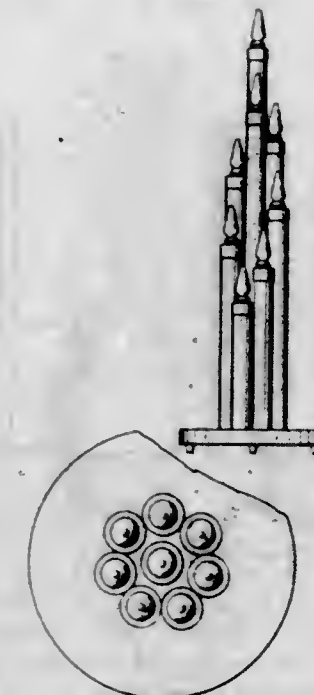
The ornamental design for a radiocabinet as shown.

80,248. CABINET FOR SOUND PRODUCING AND REPRODUCING INSTRUMENTS. WILLIAM B. STEVENSON, Moorestown, N. J., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed May 6, 1929. Serial No. 31,106. Term of patent 14 years.



The ornamental design for a cabinet for sound-producing and reproducing instruments as shown.

80,249. LAMP. GEORGE W. TOELLER, Battle Creek, Mich., assignor to Zulu Toy Manufacturing Company, Inc., Battle Creek, Mich. Filed Feb. 23, 1929. Serial No. 30,188. Term of patent 14 years.



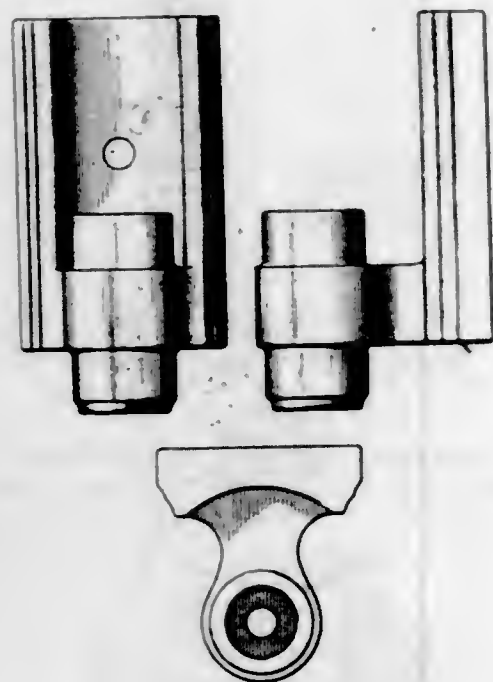
The ornamental design for a lamp, as shown.

80,250. DISPLAY DESK APPLIANCE MACHINE CASING OR SIMILAR ARTICLE. WILLIAM A. UTTZ, Sr., Cleveland, Ohio. Filed July 12, 1929. Serial No. 32,012. Term of patent 14 years.



The ornamental design for a display desk appliance machine casing or similar article as shown.

80,251. LIGHTING-FIXTURE BRACKET OR ARTICLE OF ANALOGOUS NATURE. WALTER VON NESSEN, New York, N. Y., assignor to Efcollite Corporation, a Corporation of New York. Filed Oct. 24, 1929. Serial No. 33,150. Term of patent 7 years.



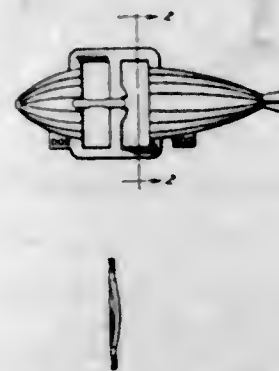
The ornamental design for a lighting fixture bracket or article of analogous nature substantially as shown and described.

80,252. BELT BUCKLE. OEL E. WARDNER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed May 29, 1929. Serial No. 31,451. Term of patent 3 1/2 years.



The ornamental design for a belt buckle, as shown.

80,253. BELT BUCKLE. OEL E. WARDNER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed May 31, 1929. Serial No. 31,453. Term of patent 3 1/2 years.

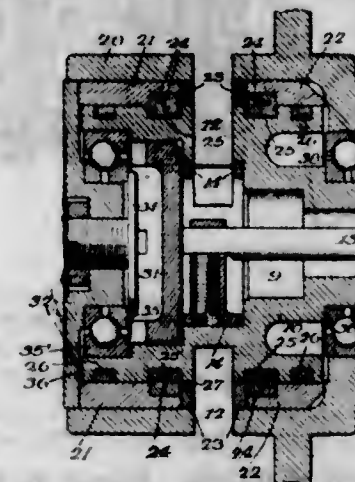


The ornamental design for a belt buckle, as shown.

PATENTS

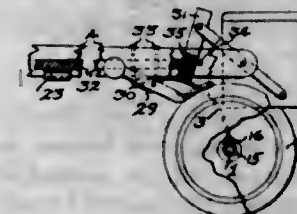
GRANTED DECEMBER 31, 1929

1,741,141. FLUID-PRESSURE ENGINE. WILLIAM E. BAKER and RICHARD C. ALAND, Cleveland, Ohio, assignors to William Edgar Baker and George Alton Prantz, trustees of The Web Engineering Company, Cleveland, Ohio. Filed Jan. 18, 1926. Serial No. 81,965. 6 Claims. (Cl. 251-103.)



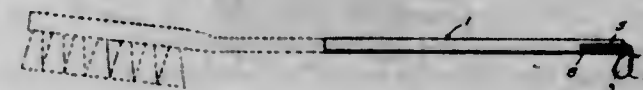
1. In a device of the class described, a stationary element and an element rotatable in respect thereto, one of said elements having a port by means of which steam is adapted to pass through an aperture in the other of said elements and a ring spanning the surface of contact between said elements, said ring being carried by the rotatable element and received within a recess in the other and spaced from the walls of said recess.

1,741,142. COASTER-WAGON REAR AXLE. ARTIE C. CARLSON, Valparaiso, Ind., assignor, by means assignments, to The Northern Trust Company and Harold H. Rockwell as trustees. Filed Aug. 21, 1924. Serial No. 733,351. 2 Claims. (Cl. 280-87.5.)



2. In a device of the character described, a relatively rigid frame composed of side rails having gains on their inner faces, a cross member seated in such gains, a tie rod passing from side rail to side rail adjacent the cross member, an axle, supports for the axle depending from the side rails, a tie bar connecting the lower ends of the supports, said bar having depending ears for the axle, and wheels on the axle, the tie bar and cross member cooperating to hold the parts in unitary alignment.

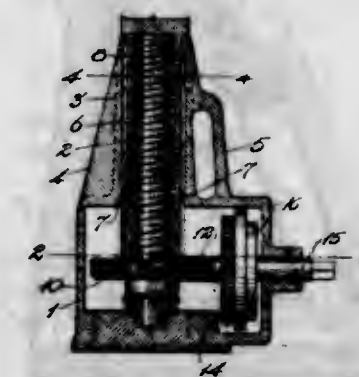
1,741,143. TONGUE SCRAPER. TOM HONG CHIN, Mobile, Ala., assignor of one-fourth to Philip Brewton, Mobile, Ala. Filed Feb. 16, 1929. Serial No. 340,420. 6 Claims. (Cl. 128-304.)



1. A tongue scraper, comprising a handle member, a scraping blade, and an attaching tab extending from said blade and secured in said handle, said handle and tab having an aperture formed therethrough, said tab being rotatably secured in the handle to permit the adjustment of the blade thereon.

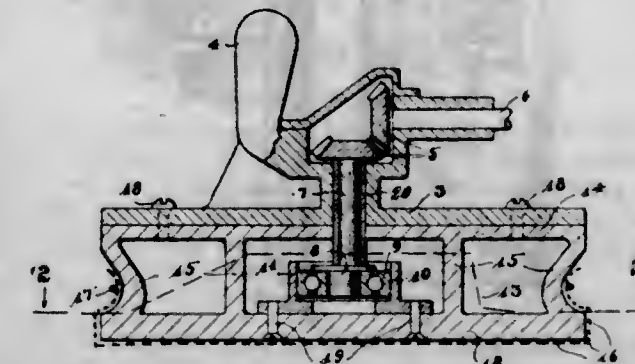
389 O. G.—69

1,741,144. LIFTING JACK. JOSEPH F. DONNELLY, South Bellingham, Wash. Filed July 19, 1927. Serial No. 206,951. 1 Claim. (Cl. 254-103.)



A lifting jack comprising a hollow base including upper and lower separable sections, the upper section having a hollow standard formed therewith which is strengthened by external ribs one of which forms a handle, said standard having grooves formed therein, an elevating screw mounted in the lower section and passing through the hollow standard, a plurality of shafts mounted between the sections of the base and geared to one another and to the elevating screw, said shafts being disposed in a horizontal plane and extending from one side of the base, and a sleeve threaded upon the elevating screw and freely movable within the hollow standard and having lugs connected therewith for slidably engaging said grooves to prevent rotation of the sleeve when the elevating screw is turned to raise or lower the sleeve and the load thereon.

1,741,145. SANDER AND BUFFER. WILLIAM M. DRENNON, Anaheim, Calif. Filed May 28, 1928. Serial No. 281,342. 4 Claims. (Cl. 51-170.)



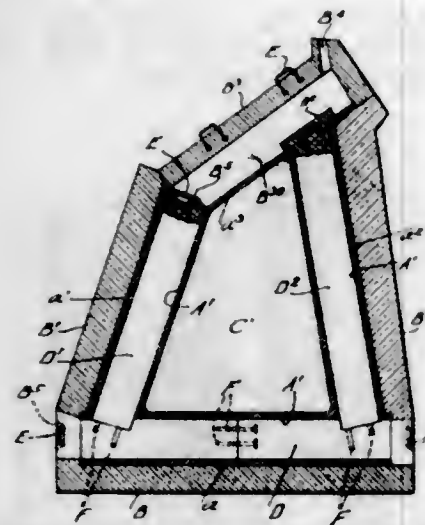
1. In a device of the class described, a base including operating means, and a flexible head firmly secured to the base and operatively connected to the operating means so that the working face of the flexible head will vibrate through the action of the operating means in the base.

1,741,146. EXPLOSIVE. LEON W. BABCOCK, Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Original application filed Sept. 4, 1926, Serial No. 133,728. Divided and this application filed May 4, 1927. Serial No. 188,867. 7 Claims. (Cl. 52-11.)

1. An explosive including an explosive ingredient and ground bagasse which has been swollen without substantial disintegration thereof by treatment with water, and the fibrous content of which is of substantially normal porosity.

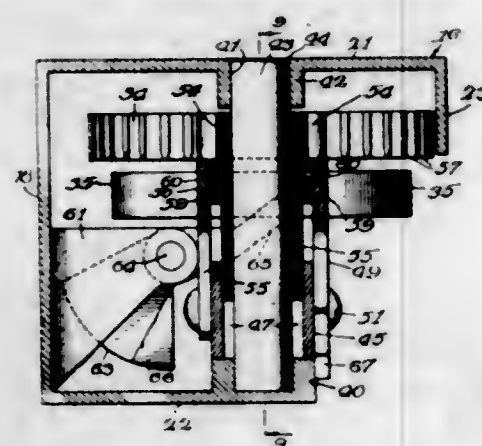
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1,741,147. COMBUSTION-CHAMBER CONSTRUCTION. GEORGE BRAIN, Tiffin, Ohio, assignor to American Dresser Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed May 10, 1926. Serial No. 107,880. 8 Claims. (Cl. 25—129.)



1. As a new article of manufacture, an integral part of non-metallic refractory material adapted to form the major portion at least of a longitudinal section of an elongated combustion chamber and formed with channels in its walls adapted to receive fluid absorbing heat from the walls of said channels.

1,741,148. BRAKE MECHANISM FOR RAILWAY CARS. PERCY B. CAMP, Maywood, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Feb. 10, 1927. Serial No. 167,148. 17 Claims. (Cl. 74—119.)

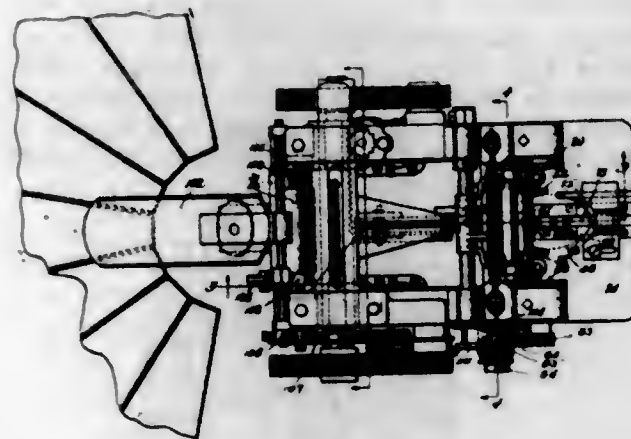


1. In a brake mechanism, a hand lever adapted for oscillating movement, a driving gear oscillated by the hand lever, a relatively large driven gear adapted to be oscillated by the driving gear, a rotatable shaft, and a clutch between the driven gear and the shaft including a ratchet having uniformly spaced teeth and a plurality of pawls spaced apart a distance other than a multiple of the distance between the teeth.

1,741,149. GRADING MACHINE. LEANDER A. COGSWELL, Manchester, N. H., assignor to Lacene Manufacturing Company, Manchester, N. H., a Corporation of Maine. Original application filed Aug. 20, 1921. Serial No. 494,009. Divided and this application filed June 25, 1927. Serial No. 201,457. 22 Claims. (Cl. 271—44.)

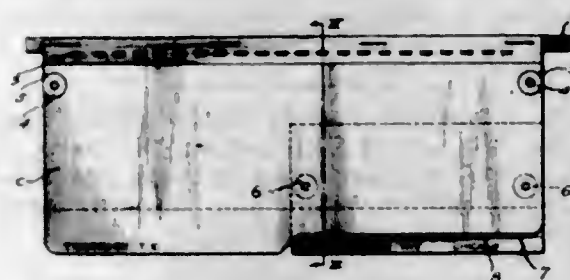
1. Automatic blank feeding mechanism adapted to select and move one blank at a time from a mass of blanks,

comprising a blank engaging and feeding member, a reciprocating carrier on the ingoing end of which the blank engaging member is mounted to engage the rear end of a blank, and feeding devices to receive the blank, said blank



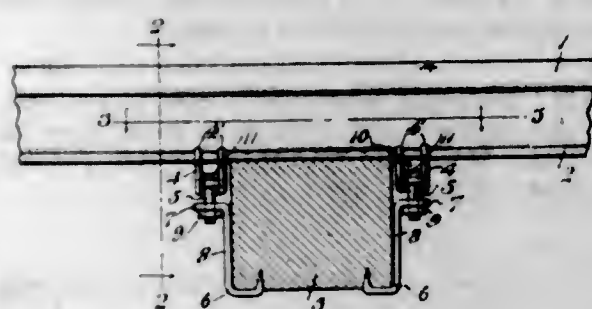
engaging member being capable of movement close to said feeding devices, and mechanism to move said carrier to bring the blank engaging member close to said feeding devices.

1,741,150. CARD CARRIER. GEORGE H. DAWSON, Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 5, 1925. Serial No. 54,841. 7 Claims. (Cl. 129—167.)



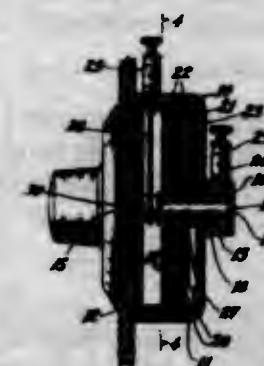
6. The combination with a card carrier, of a card removably supported thereon and having a lower recessed margin, and an address slip so supported as to expose its lower margin through the recessed margin of said card.

1,741,151. RAIL-TYING DEVICE. STANLEY W. FINCH, Washington, D. C. Filed May 28, 1927. Serial No. 195,015. 19 Claims. (Cl. 238—314.)



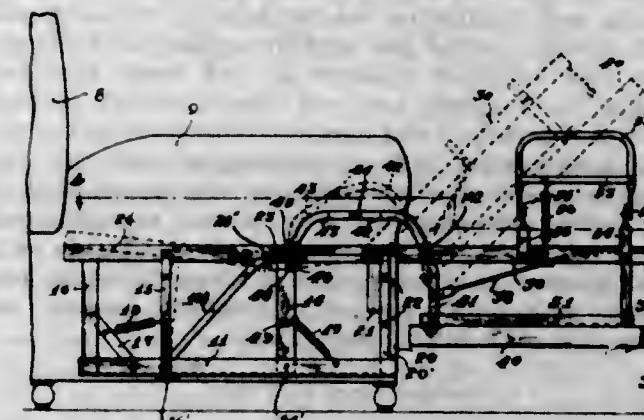
2. A rail-tying device comprising a rail grapping member consisting of a metal rod bent to form at one end of said member a hook portion and bent to form at the other end an opening for the reception of the shank of a bolt.

1,741,152. CONDENSER. GEORGE A. GILLEN, Jersey City, N. J., assignor to Gillen, Kimmey, Baker Syndicate, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 9, 1925. Serial No. 13,982. 1 Claim. (Cl. 175—41.5.)



AN air condenser comprising relatively rotatably adjustable sets of interleaving condenser plates and thin dielectric layers between the plates of the two sets and having a multiplicity of perforations therethrough to provide practically the full effect of an air condenser with mechanical separation of the skeletonized dielectric layers.

1,741,153. DAVENPORT. JOSEPH GOMBAR, Detroit, Mich. Filed Apr. 19, 1926. Serial No. 102,923. 2 Claims. (Cl. 5—31.)

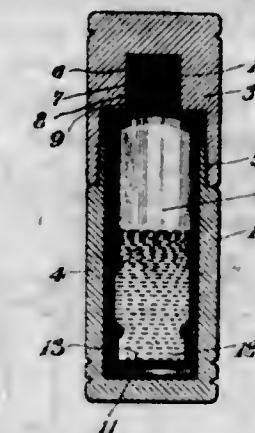


1. A davenport of the class described comprising: a supporting frame; a frame having means by which it is swingably mounted on said supporting frame and adapted in one position for folding over said supporting frame and lying above it and in another position for forming an extension on said supporting frame; a link pivoted to the swingable frame and adapted to swing from a vertical depending position to a position in horizontal alignment with the extended swingable frame; a support projecting upwardly from the lower part of the supporting frame and provided with a notch near its upper end; a toggle comprising two links pivoted together and pivoted at one end on the swingable frame and at its other end on the link and provided with means engaging the notch when the link and frame are horizontally aligned whereby the link 11 is supported and locked in horizontal position.

1,741,154. PACKAGE OR CONTAINER FOR LIQUIDS. SUEAN J. HAIGNEY, Brooklyn, N. Y. Filed Oct. 5, 1926. Serial No. 139,598. 6 Claims. (Cl. 215—12.)

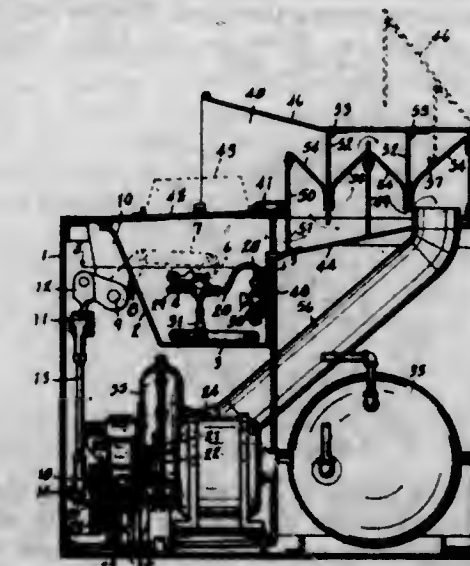
1. A package for liquids, comprising, a liquid container having a duct in one end, an outside casing for said

container having a cap, and resilient means having a cavity therein mounted in said cap, the cavity in the



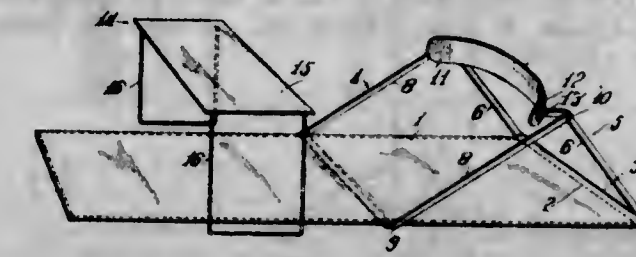
resilient means closely and removably engaging the duct end of said liquid container to resiliently support said liquid container within said casing and seal said duct.

1,741,155. COATING MACHINE. CHARLES T. HATCH, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed May 1, 1926. Serial No. 106,025. 22 Claims. (Cl. 91—45.)



18. In a structure of the class described, the combination of a tank, an oscillatingly mounted spray nozzle, a control valve therefor, a pan table disposed above said tank, and means for simultaneously opening said valve and oscillating said nozzle controlled by said pan table.

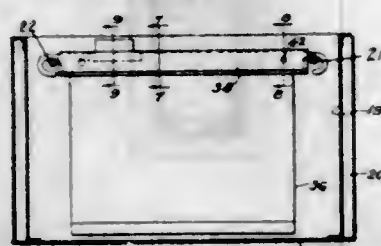
1,741,156. SAND BACK REST. FREDERICK HAGGER HEADLEY, Northfield, near Birmingham, England. Filed July 25, 1927. Serial No. 208,097. 3 Claims. (Cl. 155—153.)



2. A device of the kind described comprising front and rear U shaped members each including side bars and a bottom crossbar, a back rest supporting member disposed between the top ends of said side bars and to which said side bars are pivotally connected so that said U shaped members may be swung into relative angular positions to provide support the one for the other, and a rug mem-

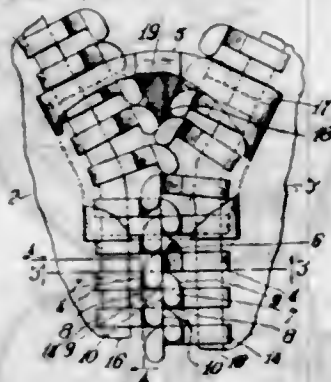
ber fixed to the cross bar of the rear U shaped member and adapted to be extended over the cross bar of the front U shaped member to cover the same and prevent movement thereof when said rug is occupied.

- 1,741,157. FILING DEVICE. LE ROI E. HUTCHINGS, Buffalo, N. Y., assignor, by means assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed May 19, 1926. Serial No. 110,165. 14 Claims. (Cl. 129-16.)



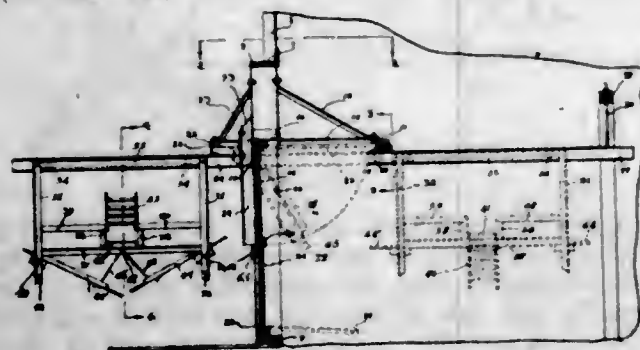
1. In a filing device a series of support bars, means for slidably supporting said bars in a substantially horizontal plane and a series of independent pockets for reference matter, and means for removably attaching said pockets to said support bars.

- 1,741,158. AUTOMATIC FASTENER. JOHN B. KENNEDY, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a Corporation of Indiana. Filed Aug. 14, 1925. Serial No. 50,183. 4 Claims. (Cl. 24-205.)



1. In a fastening device of the class described, the combination of opposed series of fastener elements each of said elements comprising an elongated flat member with a pair of laterally spaced notches in the edges thereof adjacent the outer end and a pair of laterally spaced projections at substantially right angles to said end adapted to engage in the notches of an element of the opposed series, each of said members having the outer end face provided with an inclined surface portion in front of each notch and leading toward the respective notch for guiding the projections of the opposed element thereto, and a slider operable along the two series of elements for interlocking and releasing same.

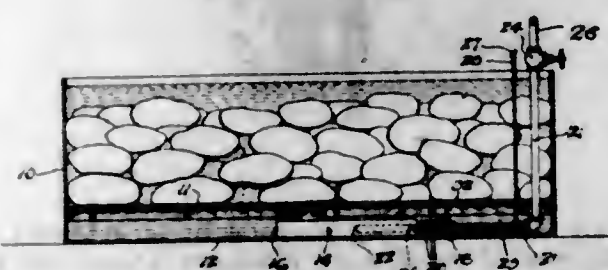
- 1,741,159. COMBINATION ROOST, LITTER CARRIER, AND WINDOW. ROSS O. LEACH, Highland Park, Mich. Filed Sept. 4, 1926. Serial No. 123,549. 3 Claims. (Cl. 119-22.)



1. A device of the class described comprising: a pair of spaced parallel supporting rails mounted in a building;

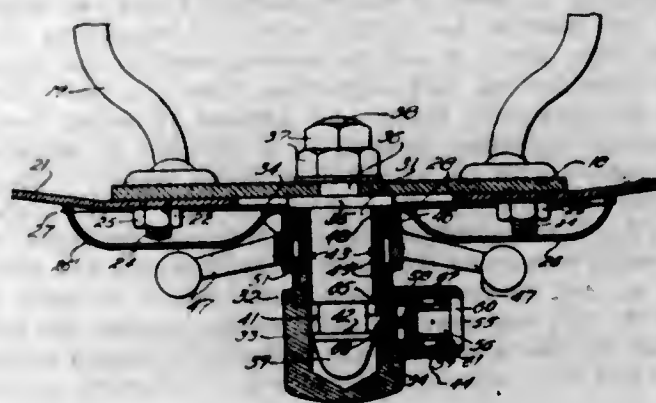
a pair of spaced parallel supporting rails in alignment with said first pair of rails, mounted exterior of said building; a carriage slidably mounted on said rails; a swingable window mounted in said building; rails carried by said window and adapted upon swinging of said window, to swing into horizontal position, for forming a continuance of said rails to permit the movement of said carriage to the interior and exterior of said building at will.

- 1,741,160. COMBINATION HEATER AND MIXER. AUGUST J. LUEB, Alton, Ill. Filed May 27, 1926. Serial No. 112,185. 4 Claims. (Cl. 261-116.)



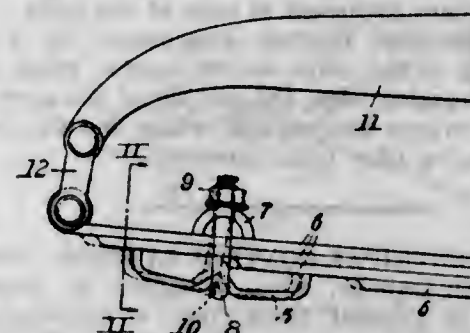
1. In a steam heater for vats and the like, the combination with a vat, of a tubular member open at both ends and disposed longitudinally in said vat, said member having an intake end arranged adjacent to one end of said vat and having its discharge end terminating substantially equidistant from the ends of said vat, said tubular member being provided with a series of circumferentially disposed openings near the intake end thereof, a steam pipe extending longitudinally into said tubular member through the intake end thereof and having its discharge end terminating intermediate the discharge end of said tubular member and said circumferential openings, an air pipe arranged adjacent to said steam pipe and extending longitudinally into said tubular member through the intake end thereof and having its discharge end terminating intermediate said circumferential openings and the discharge end of said steam pipe, the opposite end of said air pipe extending exteriorly of said vat and being open to atmosphere, whereby air is sucked into said tubular member by the discharge of steam thereinto, and means in said intake end of said tubular member for securing said pipes in position therein.

- 1,741,161. LOCKING DEVICE. ALBERT G. MCALEB, Chicago, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 5, 1925. Serial No. 13,047. 20 Claims. (Cl. 70-90.)



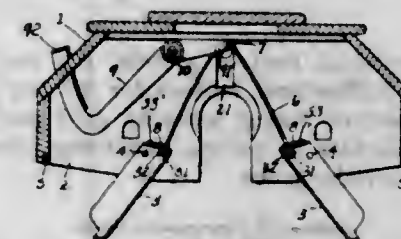
9. In lock mechanism, the combination of a stud member, a retaining member adapted for rotative mounting on said stud member, clamping means adjustably mounted on said retaining member, and lock mechanism for locking said retaining member to said stud member.

- 1,741,162. SHOCK-ABSORBING DEVICE. WILLIAM R. MCGOWEN, McKees Rocks, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Sept. 22, 1926. Serial No. 136,978. 2 Claims. (Cl. 267-53.)



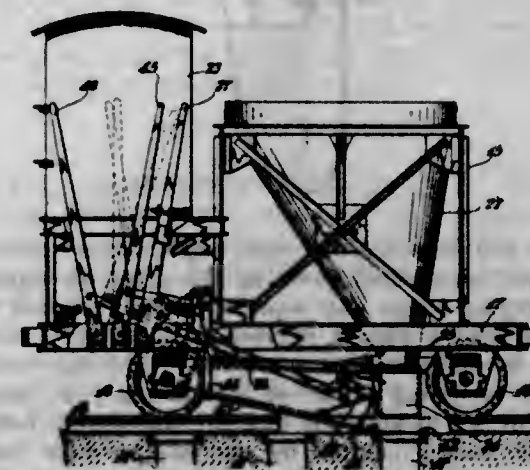
1. A snubbing device for laminated springs, comprising an elongated plate that is disposed in parallelism with, and against one surface of, a lamination, and having its ends intumed, a saddle member disposed against the exposed face of a second lamination, and a clamping device for drawing said plate and said member toward one another to clamp the laminations between them, the said clamping device having pivotal engagement with the outer surface of the plate and the saddle member, on parallel axes.

- 1,741,163. CARPET SWEEPER. IRA J. OWEN, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Filed Aug. 31, 1925. Serial No. 53,953. 3 Claims. (Cl. 15-41.)



3. In a carpet sweeper, a casing, a dust pan formed of sheet material pivoted within the casing with an indented depression to receive the spring connection, a bent spring with central upwardly-projecting loop and with a lateral extension to engage the said dust pan, and disposed in and cooperating with said depression and extending upwardly within the casing free to move on the inner surface of the end of the casing for controlling the movement of said spring and pan, and hand lever actuating means for said spring.

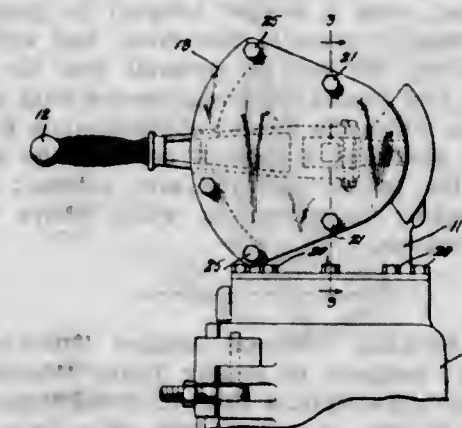
- 1,741,164. COKE-OVEN APPARATUS. FRANZ PUENING, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company, a Corporation of Delaware. Filed May 4, 1927. Serial No. 188,849. 10 Claims. (Cl. 214-18.)



7. A charging truck for coke ovens comprising a plurality of hoppers adapted to be connected to correspond-

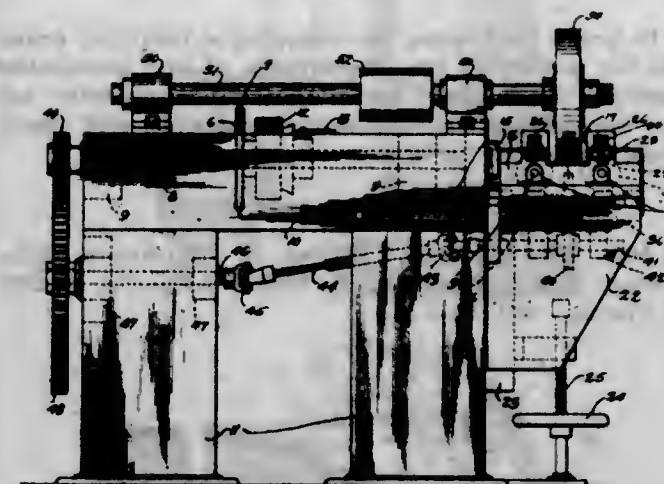
ing openings in a coking chamber to be charged, closure devices for said openings carried by said truck, said devices being relatively light in weight and movable upwardly to constitute pressure-relief devices for said chamber but normally preventing communication between the atmosphere and said chamber, and means for selectively controlling said closure devices.

- 1,741,165. CONTROLLER. ARTHUR R. SANBORN, East Orange, N. J., assignor to General Electric Company, a Corporation of New York. Filed May 28, 1925. Serial No. 33,567. 5 Claims. (Cl. 74-7.)



1. In combination, an electric controller having a shaft and switch contact mechanism operated thereby, a handle, operative connections between the said handle and shaft, and a removable operating head for supporting the said handle and enclosing said operative connections, the said handle being arranged for mounting in any selected one of a plurality of operating positions on said operating head and the said operating head being arranged for mounting on said controller in any selected one of a plurality of angular positions about said shaft.

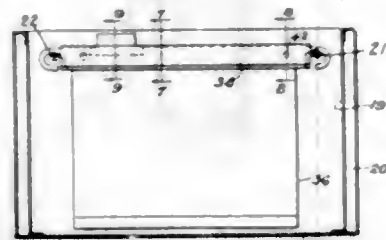
- 1,741,166. METAL-POLISHING MACHINE. OTTO G. SCHMITZ, Chicago, Ill., assignor to The Scholl Mfg. Co. Inc., Chicago, Ill., a Corporation of New York. Filed Apr. 10, 1926. Serial No. 101,059. 7 Claims. (Cl. 51-78.)



1. A metal polishing machine comprising a stationary frame work, a supporting table vertically movable thereon, means for adjusting the supporting table, a reciprocating table mounted on said supporting table, feed mechanisms on said reciprocating table for advancing a strip of material to be polished over said reciprocating table, a buffer mechanism supported on said frame work and positioned between said feed mechanisms and above said reciprocating table, and driving mechanisms for operating the buffing mechanism, the reciprocating table and said material feed mechanisms.

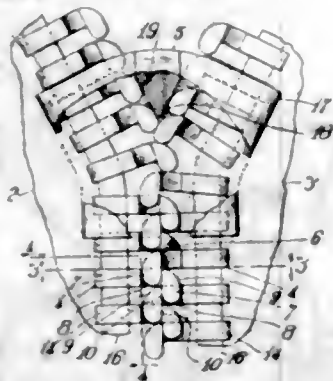
ber fixed to the cross bar of the rear U shaped member and adapted to be extended over the cross bar of the front U shaped member to cover the same and prevent movement thereof when said rug is occupied.

- 1,741,157. FILING DEVICE. LE ROI E. HUTCHINGS, Buffalo, N. Y., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed May 19, 1926. Serial No. 110,165. 14 Claims. (Cl. 129-16.)



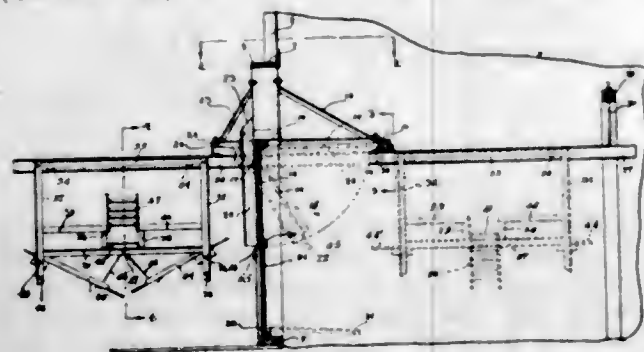
1. In a filing device a series of support bars, means for slidably supporting said bars in a substantially horizontal plane, and a series of independent pockets for reference matter, and means for removably attaching said pockets to said support bars.

- 1,741,158. AUTOMATIC FASTENER. JOHN B. KENNEDY, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a Corporation of Indiana. Filed Aug. 14, 1925. Serial No. 50,183. 4 Claims. (Cl. 24-205.)



1. In a fastening device of the class described, the combination of opposed series of fastener elements each of said elements comprising an elongated flat member with a pair of laterally spaced notches in the edges thereof adjacent the outer end and a pair of laterally spaced projections at substantially right angles to said end adapted to engage in the notches of an element of the opposed series, each of said members having the outer end face provided with an inclined surface portion in front of each notch and leading toward the respective notch for guiding the projections of the opposed element thereto, and a slider operable along the two series of elements for interlocking and releasing same.

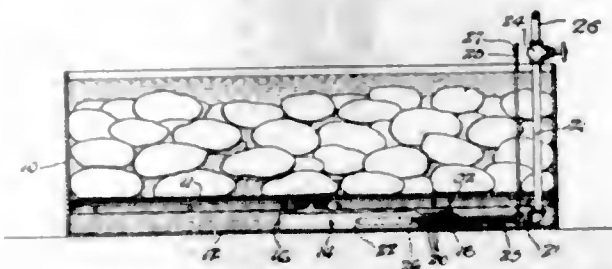
- 1,741,159. COMBINATION ROOST, LITTER CARRIER, AND WINDOW. ROSS O. LEACH, Highland Park, Mich. Filed Sept. 4, 1926. Serial No. 133,549. 3 Claims. (Cl. 119-22.)



1. A device of the class described comprising: a pair of spaced parallel supporting rails mounted in a building;

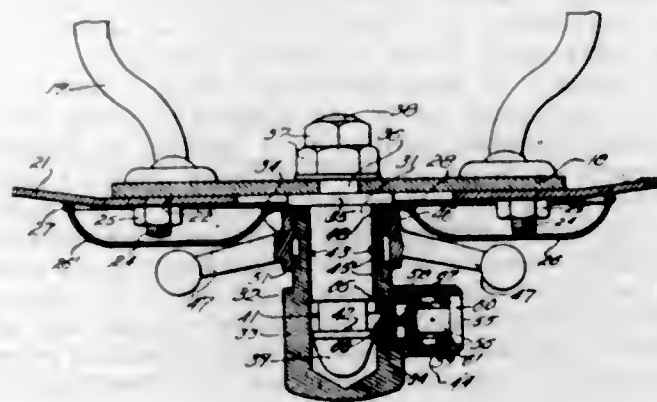
a pair of spaced parallel supporting rails in alignment with said first pair of rails, mounted exterior of said building; a carriage slidably mounted on said rails; a swingable window mounted in said building; rails carried by said window and adapted upon swinging of said window, to swing into horizontal position, for forming a continuance of said rails to permit the movement of said carriage to the interior and exterior of said building at will.

- 1,741,160. COMBINATION HEATER AND MIXER. AUGUST J. LUER, Alton, Ill. Filed May 27, 1926. Serial No. 112,185. 4 Claims. (Cl. 261-116.)



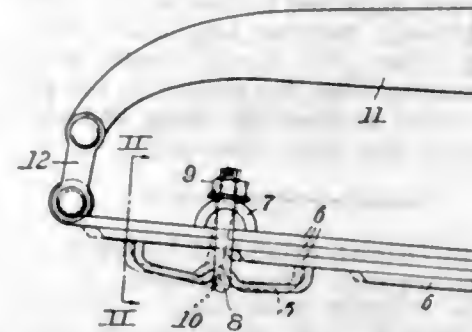
1. In a steam heater for vats and the like, the combination with a vat, of a tubular member open at both ends and disposed longitudinally in said vat, said member having an intake end arranged adjacent to one end of said vat and having its discharge end terminating substantially equidistant from the ends of said vat, said tubular member being provided with a series of circumferentially disposed openings near the intake end thereof, a steam pipe extending longitudinally into said tubular member through the intake end thereof and having its discharge end terminating intermediate the discharge end of said tubular member and said circumferential openings, an air pipe arranged adjacent to said steam pipe and extending longitudinally into said tubular member through the intake end thereof and having its discharge end terminating intermediate said circumferential openings and the discharge end of said steam pipe, the opposite end of said air pipe extending exteriorly of said vat and being open to atmosphere, whereby air is sucked into said tubular member by the discharge of steam thereinto, and means in said intake end of said tubular member for securing said pipes in position therein.

- 1,741,161. LOCKING DEVICE. ALBERT G. McCALEB, Chicago, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 5, 1925. Serial No. 13,047. 20 Claims. (Cl. 70-90.)



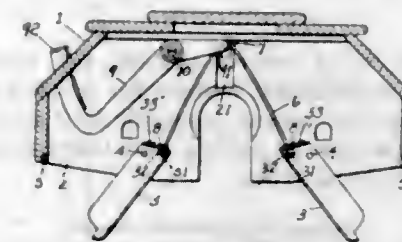
9. In lock mechanism, the combination of a stud member, a retaining member adapted for rotative mounting on said stud member, clamping means adjustably mounted on said retaining member, and lock mechanism for locking said retaining member to said stud member.

- 1,741,162. SHOCK-ABSORBING DEVICE. WILLIAM R. MCGOWEN, McKees Rocks, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Sept. 22, 1926. Serial No. 136,978. 2 Claims. (Cl. 267-53.)



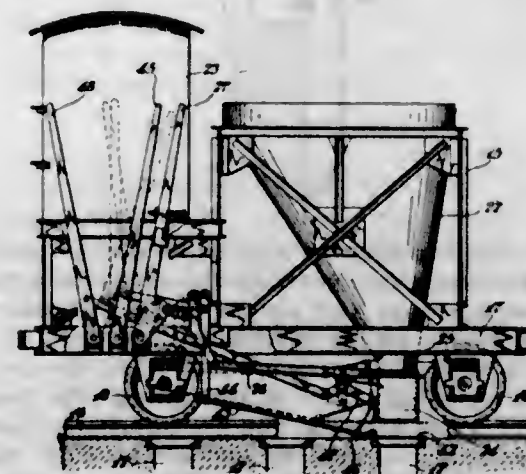
1. A snubbing device for laminated springs, comprising an elongated plate that is disposed in parallelism with, and against one surface of, a lamination, and having its ends returned, a saddle member disposed against the exposed face of a second lamination, and a clamping device for drawing said plate and said member toward one another to clamp the laminations between them, the said clamping device having pivotal engagement with the outer surface of the plate and the saddle member, on parallel axes.

- 1,741,163. CARPET SWEEPER. IRA J. OWEN, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Filed Aug. 31, 1925. Serial No. 53,653. 3 Claims. (Cl. 15-41.)



3. In a carpet sweeper, a casing, a dust pan formed of sheet material pivoted within the casing with an indented depression to receive the spring connection, a bent spring with central upwardly-projecting loop and with a lateral extension to engage the said dust pan, and disposed in and cooperating with said depression and extending upwardly within the casing free to move on the inner surface of the end of the casing for controlling the movement of said spring and pan, and hand lever actuating means for said spring.

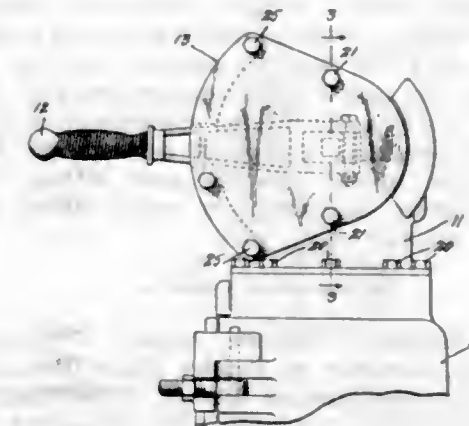
- 1,741,164. COKE-OVEN APPARATUS. FRANZ PUENING, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company, a Corporation of Delaware. Filed May 4, 1927. Serial No. 188,849. 10 Claims. (Cl. 214-18.)



7. A charging truck for coke ovens comprising a plurality of hoppers adapted to be connected to correspond-

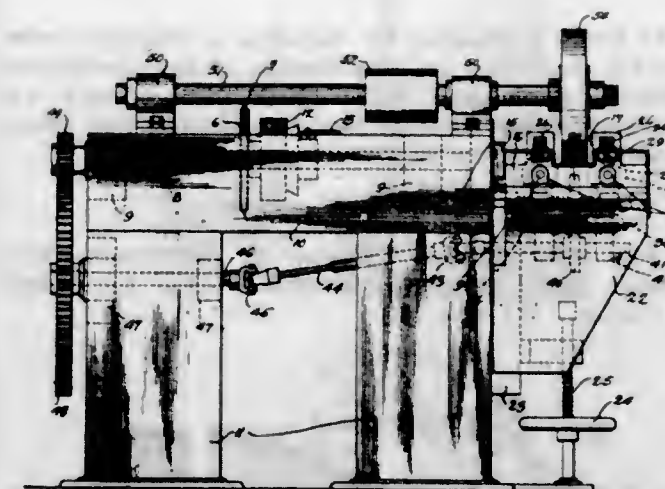
ing openings in a coking chamber to be charged, closure devices for said openings carried by said truck, said devices being relatively light in weight and movable upwardly to constitute pressure-relief devices for said chamber but normally preventing communication between the atmosphere and said chamber, and means for selectively controlling said closure devices.

- 1,741,165. CONTROLLER. ARTHUR R. SANBORN, East Orange, N. J., assignor to General Electric Company, a Corporation of New York. Filed May 28, 1925. Serial No. 33,567. 5 Claims. (Cl. 74-7.)



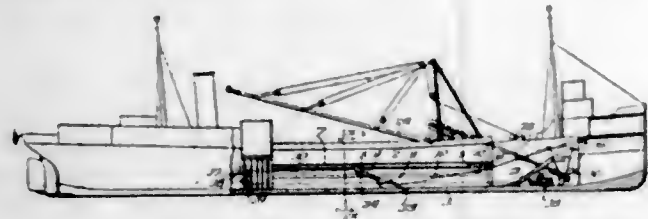
1. In combination, an electric controller having a shaft and switch contact mechanism operated thereby, a handle, operative connections between the said handle and shaft, and a removable operating head for supporting the said handle and enclosing said operative connections, the said handle being arranged for mounting in any selected one of a plurality of operating positions on said operating head and the said operating head being arranged for mounting on said controller in any selected one of a plurality of angular positions about said shaft.

- 1,741,166. METAL-POLISHING MACHINE. OTTO G. SCHMITZ, Chicago, Ill., assignor to The Scholl Mfg. Co. Inc., Chicago, Ill., a Corporation of New York. Filed Apr. 10, 1926. Serial No. 101,059. 7 Claims. (Cl. 51-78.)



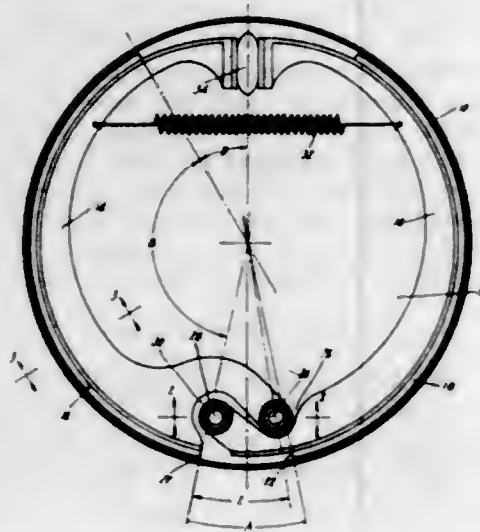
1. A metal polishing machine comprising a stationary frame work, a supporting table vertically movable thereon, means for adjusting the supporting table, a reciprocating table mounted on said supporting table, feed mechanisms on said reciprocating table for advancing a strip of material to be polished over said reciprocating table, a buffer mechanism supported on said frame work and positioned between said feed mechanisms and above said reciprocating table, and driving mechanisms for operating the buffing mechanism, the reciprocating table and said material feed mechanisms.

1,741,167. SELF-UNLOADING APPARATUS FOR CAR-GO CARRIERS. LEATHER D. SMITH, Sturgeon Bay, Wis. Filed Jan. 24, 1927. Serial No. 162,972. 6 Claims. (Cl. 214-15.)



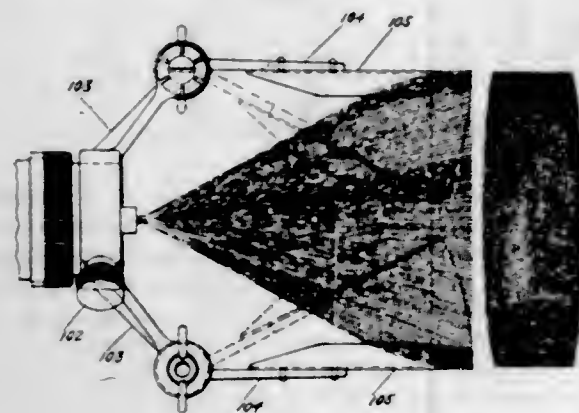
1. A self unloading vessel provided with a sub-cargo unloading tunnel, with a scraper adapted to traverse said tunnel and remove material therefrom, and with a side incline directing the flow of material into the path of the scraper; said tunnel being constructed with a trough-like bottom in which the scraper approximately fits, transversely, and providing a drop-off between the lower extremity of the incline and the said bottom; the said tunnel materially increasing in width above the said trough-like bottom.

1,741,168. BRAKE. GEORGE JOSEPH THOMAS, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1927. Serial No. 178,193. 7 Claims. (Cl. 188-78.)



7. In brake mechanism for engaging a rotatable drum, means for increasing the effectiveness of said mechanism comprising overlapping brake shoes independently anchored and having adjacent unanchored ends, and simultaneously actuated in opposite directions.

1,741,169. SPRAY-GUN. WAYNE B. THOMPSON, Winchester, Mass. Filed Nov. 6, 1925. Serial No. 67,266. 21 Claims. (Cl. 91-45.)

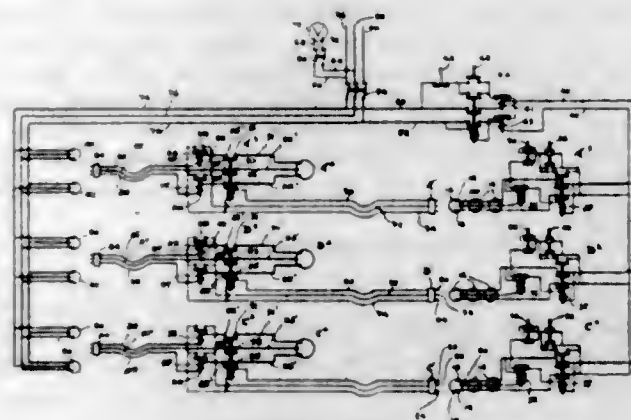


1. A spray gun having, in combination, a body having means to admit coating material and a motive agent

for discharge therefrom, means for supplementally discharging motive agent upon the main discharge to flatten or spread the same, and means for truncating the flattened discharge comprising a pair of rigid diverging arms connected to the second named means, and a straight-edge forming plate connected to each of the arms.

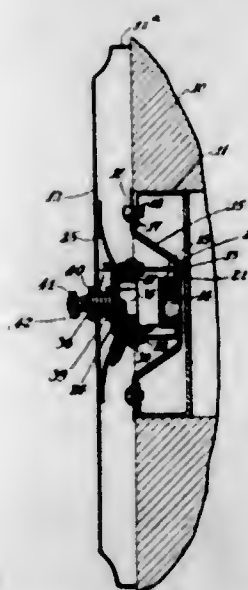
19. A straight-edge forming attachment for a spray gun comprising a flat plate having lateral wings and a convex work-engaging edge, the portion of the plate lying adjacent the corners between the wings and the ends of the work-engaging edge being concaved.

1,741,170. ELECTRICAL CONTROL SYSTEM. ALGER R. ULSTROM, Minneapolis, Minn., assignor, by mesne assignments, to General Mills, Inc., a Corporation of Delaware. Filed June 27, 1927. Serial No. 201,696. 14 Claims. (Cl. 172-179.)



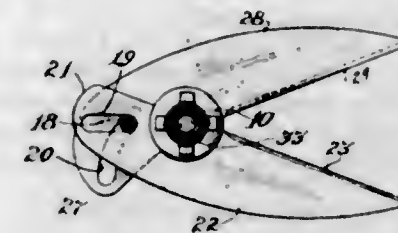
1. In an electrical control system, the combination of a plurality of mechanisms, motors for driving said mechanisms, and selective means whereby said motors may be operated dependently in groups and independently of the motors outside of the group.

1,741,171. LIGHTING FIXTURE. NATHAN L. URELES, New York, N. Y. Filed Mar. 22, 1927. Serial No. 177,266. 10 Claims. (Cl. 240-85.)



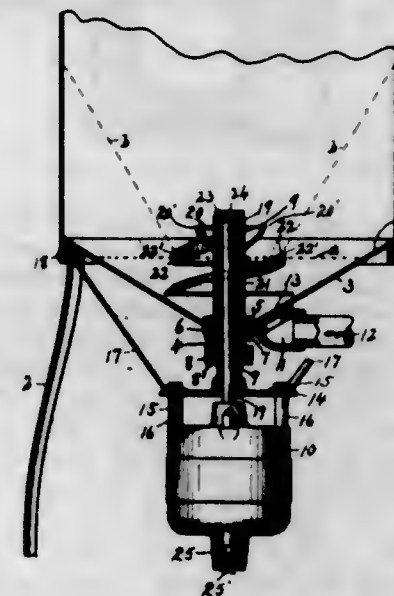
1. In a wall bracket, the combination of an outlet box and an apertured panel covering the same, an adjustable switch-carrying frame unit adapted to be anchored to the outlet box, and a switch carried by said unit including operating means protruding through said aperture, the frame unit including a pair of interfitting yoke members, the arms of which straddle and are adjustably locked to each other, means carried by one of the yoke members for attachment to an outlet box stud and means mounting the switch for carrying by the intermediate portion of the other yoke member.

1,741,172. GRASS CLIPPER. RICHARD F. HUXMAN, Benton Harbor, Mich. Filed May 26, 1927. Serial No. 194,373. 3 Claims. (Cl. 30-11.)



1. A device of the class described comprising a vertically extending handle member; a blade fixed to the lower end of said handle member; a co-operating blade pivotally mounted to the lower end of said handle member, both of said blades being provided with shanks extending rearwardly beyond said handle, the shank of said fixed blade being provided with a radial slot, and the shank of said pivoted blade being provided with a straight co-operating slot at an angle to said radial slot; and means on said handle operating in said slots for reciprocating said pivoted blade.

1,741,173. MECHANICAL DISHWASHER. FORREST A. WALKER, Syracuse, N. Y., assignor to Walker Dishwasher Corporation, Syracuse, N. Y., a Corporation of New York. Filed July 14, 1926. Serial No. 122,277. 4 Claims. (Cl. 250-97.)



1. In a mechanical dishwasher, an impeller having spiral blades extending laterally from the periphery thereof and having their outer marginal edges provided with up-turned flanges, the upper ends of said blades being deflected upwardly at a greater inclination from a horizontal than the remaining portions of the blades.

1,741,174. BODY-MEASURING DEVICE. MATHIAS J. WEGER, Chicago, Ill., assignor to Continental Scale Works, Chicago, Ill., a Corporation of Illinois. Filed July 22, 1926. Serial No. 124,254. 7 Claims. (Cl. 33-8.)

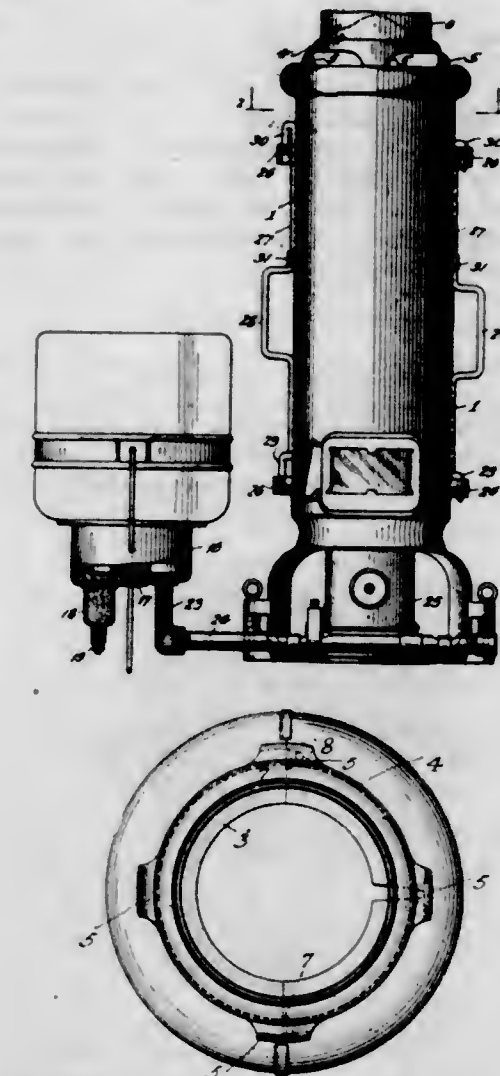
1. In a body measuring device, the combination of a platform upon which the person to be measured is adapted to stand or sit, a stand mounted on and projecting vertically upward from said platform and providing a rest against which the body and head of the person to be measured is adapted to contact, a stationary calibrated strip mounted on said stand and lying in the front plane thereof, a slide embracing and supported on said strip

and movable vertically thereon and carrying a portion projecting at right angles from the front face of said



stand, said slide being constructed and arranged to be moved relative to said strip to bring said plate into contact relation with the head of the person to be measured.

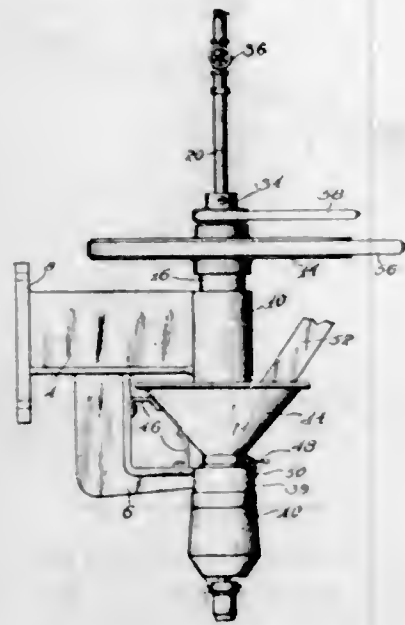
1,741,175. WATER HEATER. LEWIS T. WILCOX, Peekskill, N. Y. Filed June 28, 1927. Serial No. 201,996. 7 Claims. (Cl. 122-250.)



1. A water heater including a burner, a heating coil disposed thereover, a sectional casing surrounding said coil and having a flue opening in the upper end thereof, one of said sections being slotted at its upper end and the

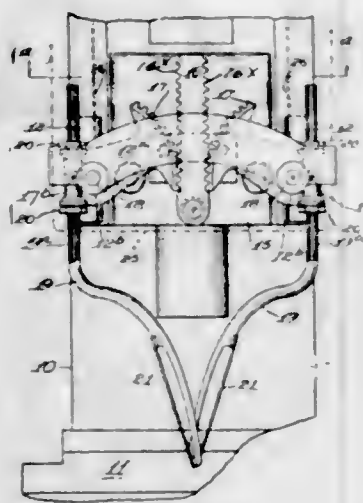
other section having a cooperating lug extending therefrom, a tubular collar having its upper end terminating in a flange adapted to engage a flue pipe and its lower end terminating in a plurality of feet, and means for securing certain of said feet to said casing comprising screws extending through said slots and into certain of said feet.

1,741,176. CONTINUOUS MIXING MACHINE. HAROLD KENNETH WILDER, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a Corporation of Delaware. Filed Oct. 30, 1926. Serial No. 145,131. 12 Claims. (Cl. 259-18.)



1. In a machine of the class described, the combination of a high speed rotating spraying nozzle, a source of liquid supply, a sealed conduit connecting said source to said nozzle, flow regulating means in said conduit, a retaining tube positioned above said nozzle, rotatable means at one end of said tube for distributing said substance in a tubular stream around said nozzle, and means including a longitudinally adjustable sleeve for regulating the flow of said substance.

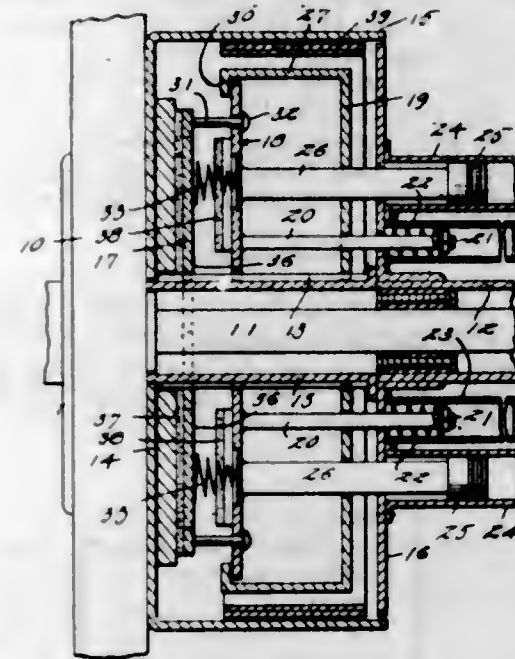
1,741,177. SAFETY GUARD FOR POWER PRESSES. WALTER O. WILL and ERIC CARLSON, Chicago, Ill., assignors to Stewart Manufacturing Corporation, Chicago, Ill., a Corporation of Delaware. Filed June 1, 1926. Serial No. 112,865. 3 Claims. (Cl. 74-105.)



1. In a power press having a bed for holding a die, a fixed head and a reciprocating head, a device for the purpose indicated comprising a pair of parallel racks mounted on the reciprocating head of the press; segment gear

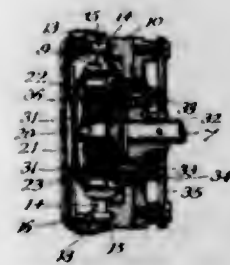
members pivoted on the fixed head of the press for meshing with the respective racks; fender arms mounted on the segment gear members respectively and extending in general up and down at the rest position of the reciprocating head with their lower parts deflected inwardly toward each other and substantially meeting in front of the position of a die on the bed, the segment gear members being angularly dimensioned with respect to the stroke of the reciprocating head of the press for spreading said fender arms during the down stroke of the reciprocating head, widely and in excess of the width of the press.

1,741,178. BRAKE. WILLIAM WILSON, Trenton, N. J., assignor of one-half to Joseph Handis, Trenton, N. J. Filed Oct. 6, 1928. Serial No. 310,770. 7 Claims. (Cl. 188-72.)



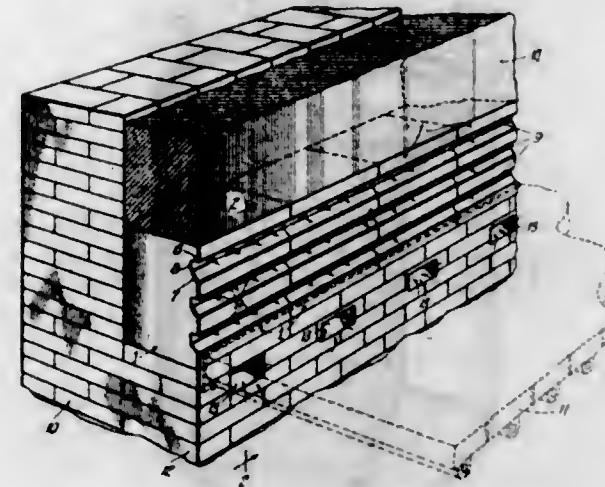
1. In braking apparatus, a pair of braking elements, a third braking element with which said braking elements coact and a single means for moving the pair of braking elements into engagement with the third braking element to effect a braking action, one of said braking elements being disposed in advance and yieldably mounted to thereby permit primary engagement thereof with the third braking element and the subsequent engagement of the second braking element upon continuation of the pressure applied by said means.

1,741,179. SEWING MACHINE. EMIL ANGST, Seebach, near Zurich, Switzerland. Filed Apr. 6, 1927. Serial No. 181,573, and in Switzerland Mar. 2, 1927. 4 Claims. (Cl. 112-232.)



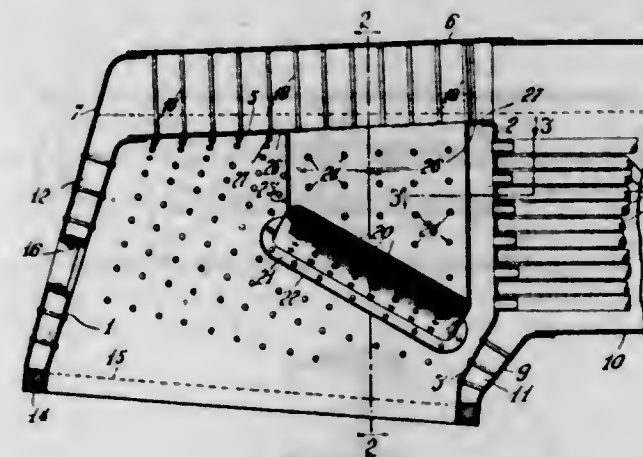
1. In a sewing machine, a stationary shuttle casing, a hinged lid therefor, a series of antifriction members mounted in the casing, a ring for retaining the members in the casing, a shuttle, an external flange thereon supported by said members partly surrounding the shuttle and having a thread engaging hook, a needle slot in the shuttle adjacent the flange, a removable cover for the shuttle, a latch thereon engaging said ring to hold the cover stationary, a spring on said lid to hold the cover in position, and driving means for the shuttle.

1,741,180. CIRCULATING-AIR-COOLED BLOCK. JOHN E. ANDERSON, Chicago, Ill., assignor to Fibreco Jointless Firebrick Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 23, 1928. Serial No. 248,620. 5 Claims. (Cl. 110-75.)



2. In combination with a furnace including a wall and a grate structure, blocks mounted at the inner face of a wall above and adjacent the grate structure, said blocks being provided in their inner faces with horizontal channels, each channel having an upper wall perpendicular to the face of the block and a lower wall inclined downwardly toward the grate, each channel also having a vertical inner wall connecting said upper and lower walls, the blocks being provided with air admission openings extending through the inner faces thereof and opening through the vertical walls of the channels, and means for supplying air to said openings.

1,741,181. LOCOMOTIVE BOILER. CLARENCE E. BODINE, Sedalia, Mo. Filed July 29, 1927. Serial No. 269,285. 3 Claims. (Cl. 122-88.)

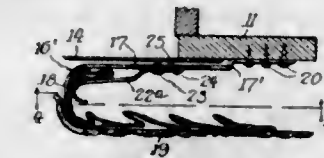


1. A locomotive boiler embodying therein, a crown sheet, side sheets and a flue sheet, a transversely arched, flat tubular water wall inclined downwardly and forwardly toward said flue sheet and opening at its sides through said side sheets, and an upright flat tubular riser arranged longitudinally of said wall and opening at its ends through the top thereof and through the crown sheet respectively, the fore and aft ends of the riser both being substantially disposed in the planes of the like ends of the transversely arched water wall at its mid portion.

1,741,182. TIE BACK FOR CURTAINS AND DRAPES. JAMES H. BOYE, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 3, 1928. Serial No. 297,154. 2 Claims. (Cl. 156-33.)

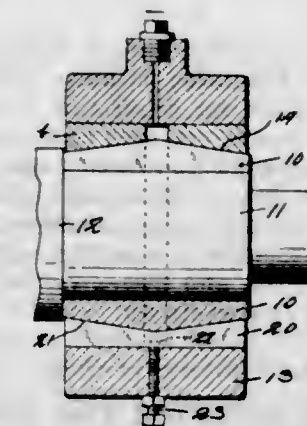
1. A tie-back for drapes and the like, comprising a U-shaped member adapted to be attached by one of its lon-

gitudinal limbs to a window frame with its transverse limb forming a support for an upwardly looped portion of the drape, and a spring clamp attached at one end to the inner side of one longitudinal limb of said U-shaped



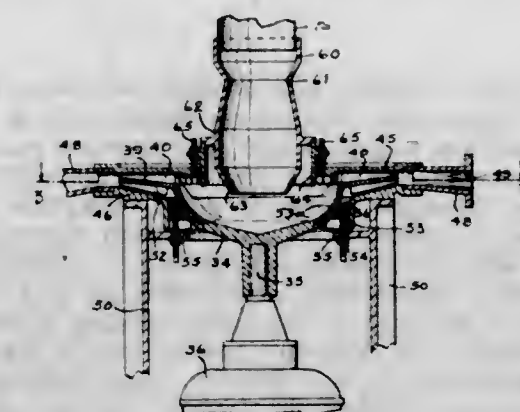
member and formed with a curved free end portion lying behind said transverse limb, said clamp adapted to pinch the drape against said transverse limb and the longitudinal limb to which said clamp is attached.

1,741,183. ADJUSTABLE FLOATING BUSHING. WILLIAM H. CAREL, Jr., Cincinnati, Ohio. Filed Dec. 8, 1927. Serial No. 238,631. 3 Claims. (Cl. 308-71.)



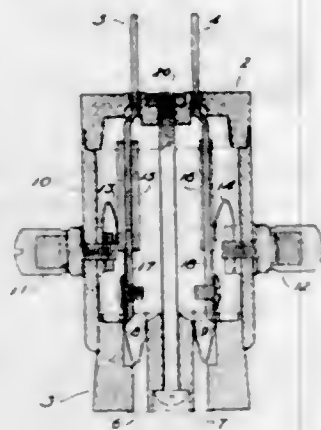
1. A bearing comprising a centrally disposed bushing formed in a plurality of longitudinally extending sections, the outer face of said central bushing being tapered from the middle of the bushing outward to its ends, two opposed outer bushing sections having their inner faces inclined to fit upon the inclined outer face of the inner bushing, each of the outer bushing sections being split at one point, a wedge inserted in said split whereby the bushing sections may be enlarged, and means engaging the outer bushing sections with each other and adapted to be disposed to adjust the outer sections nearer to or further from each other to thus expand or contract the outer sections.

1,741,184. METHOD OF AND APPARATUS FOR DISTRIBUTING PULVERIZED FUEL. GEORGE W. DENISON, Bay Village, Ohio. Filed Nov. 12, 1925. Serial No. 68,504. 6 Claims. (Cl. 110-104.)



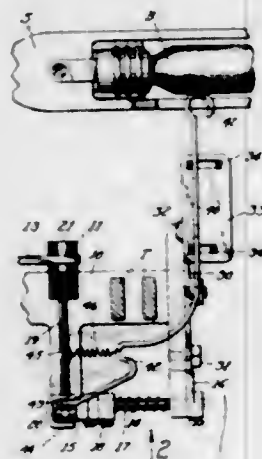
2. The method of distributing pulverized fuel to sources of consumption comprising establishing a stream of fuel laden air, causing precipitation of the fuel out of the original stream while maintaining the continuity thereof and dividing the moving air into a plurality of streams while simultaneously redistributing the precipitated fuel to said streams uniformly.

1,741,185. CONNECTING PLUG. WILFRED K. FLEMING, Cambridge, Mass., assignor, by mesne assignments, to Tobe Deutschmann Corporation, a Corporation of Delaware. Filed May 5, 1928. Serial No. 275,515. 8 Claims. (Cl. 175-41.)



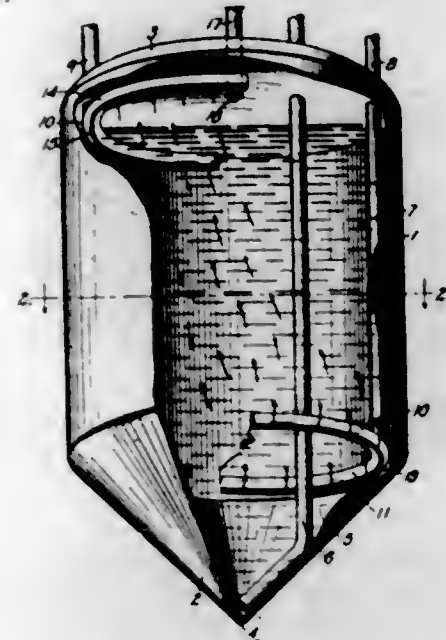
1. As an article of manufacture, a connecting plug comprising a plurality of metallic members, each member having means at both ends for connection to an electric circuit, a plurality of condensers, each condenser being wound around a metallic member and having one pole connected to it, the other pole being exposed on the outside of each condenser, a plurality of spring members carried by the plug, each spring member contacting with the exposed pole of each condenser, and means on said spring members for connection to a radio set.

1,741,186. WEFT DETECTOR FOR LOOMS. GEORGE FRECHETTE, Lowell, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 12, 1927. Serial No. 199,901. 8 Claims. (Cl. 139-281.)



1. In a side slipping weft detector for looms, a detector held against side slipping movement when in contact with a sufficient supply of weft and having a yarn-engaging surface to move along and in contact with a substantially exhausted bobbin to effect indication of weft exhaustion, an actuator having a regular movement and effective when the movement thereof is interrupted to initiate weft replenishing, a controller for said actuator normally in the path of the latter, yielding means interposed between said controller and detector to resist side-slipping movement of said detector, means defining a pivotal connection between the detector and the controller offset in the direction of the length of the surface being detected relatively to the yarn-engaging surface of the detector, and a second yielding means holding the detector and controller normally in rear position with the controller in the path of the actuator, the detector moving the controller forwardly out of the path of the actuator when said detector is engaged by a sufficient supply of weft.

1,741,187. CLARIFIER. CLARENCE V. FUQUA, Kansas City, Mo., assignor to The Cleaners Equipment Corporation, Kansas City, Mo., a Corporation of Missouri. Filed Oct. 13, 1927. Serial No. 225,984. 4 Claims. (Cl. 210-58.)



1. In an auxiliary tank interposed in a flow line having an inlet adjacent the bottom thereof and an outlet adjacent the top and laterally oppositely disposed to the inlet, slotted means delivering liquid downwardly from the inlet in sheet form over a relatively large area of the tank, and downwardly opening means connected with the outlet having a slot for collecting the fluid in sheet form over a relatively large area.

1,741,188. CAR FRAME. GEORGE S. GOODWIN, Chicago, Ill., and WILLIAM J. TOLLETON, deceased, Chicago, Ill., by Clara H. Tolleton, executrix, Chicago, Ill. Filed Feb. 27, 1928. Serial No. 257,428. 3 Claims. (Cl. 105-415.)

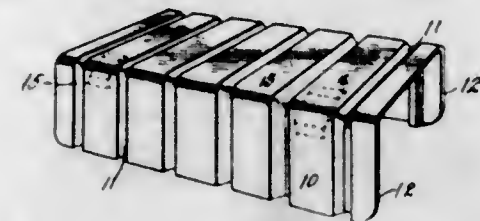


1. In a car, two end frame members each consisting of an end sill, draft connections and a bolster formed together in an integral casting, and means connecting said end frames comprising longitudinal structural steel beams joined at opposite ends to said end frames by welded joints including transversely extending lugs on the latter in interlocking engagement with said beams, whereby said welded joints are in compression under stresses applied longitudinally of said beams.

1,741,189. LOADING PLATFORM. HOLLIS W. JENCKS, Highland Park, Mich., assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Jan. 17, 1927. Serial No. 161,555. 1 Claim. (Cl. 248-41.)

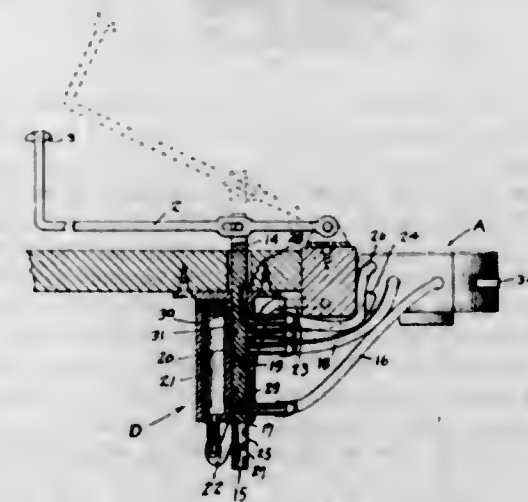
A loading platform consisting of a sheet of metal having opposite sides bent down to form supporting legs for

the intermediate portion, inwardly extending ribs extending across said intermediate portion and down said legs, and corner braces within the corners formed between



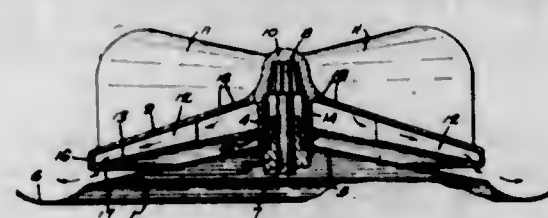
the legs and intermediate portion between the ribs and fixed to said legs and to said intermediate portion, said braces so placed as not to extend substantially beyond the top line of the ribs.

1,741,190. DIRECTION INDICATOR. ANTON KESSEL, San Jose, Calif. Filed Apr. 23, 1928. Serial No. 272,301. 8 Claims. (Cl. 116-39.)



1. An automobile indicator comprising an arm swingable into predetermined positions, a cylinder having a radially-extending partition therein, a radially-extending vane mounted in said cylinder and being operatively connected to said arm, and means for exhausting air from said cylinder at different points for causing said vane to move said arm at a downwardly extending angle, a horizontal position, and an upwardly extending angle.

1,741,191. CLOTHES-WASHING MACHINE. JAMES B. KIRBY, West Richfield, Ohio. Filed Jan. 28, 1929. Serial No. 335,490. 18 Claims. (Cl. 259-101.)

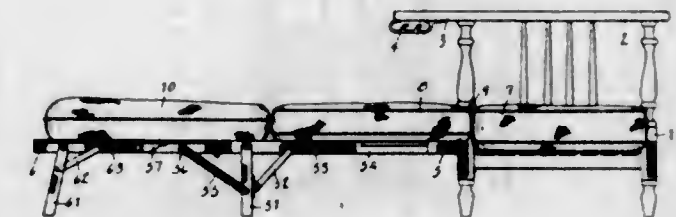


1. In a clothes washing machine, in combination a tub, an agitator located therein adjacent to the tub bottom and oscillatable about a vertical axis, said agitator underlying the clothing in said tub, and means carried by said agitator and actuated by the oscillation thereof for discharging liquid laterally thereof close to the tub bottom whereby ingress of articles of clothing beneath the agitator is opposed.

1,741,192. CONVERTIBLE CHAIR BED. CARL C. KUSTERER, Grand Rapids, Mich. Filed May 25, 1927. Serial No. 194,089. 1 Claim. (Cl. 155-47.)

A chair-bed combination comprising a Morris chair body having a depressed chair seat with a flat hinged back there-

for with an adjustable means of support, pivoted foldable legs on said chair back, a bed extension hinged to the top of said chair back and foldable against the back thereof, pivoted legs under the bed extension and under said back adapted to collapse when the same is folded to form a chair, a double hinged seat cushion the lower

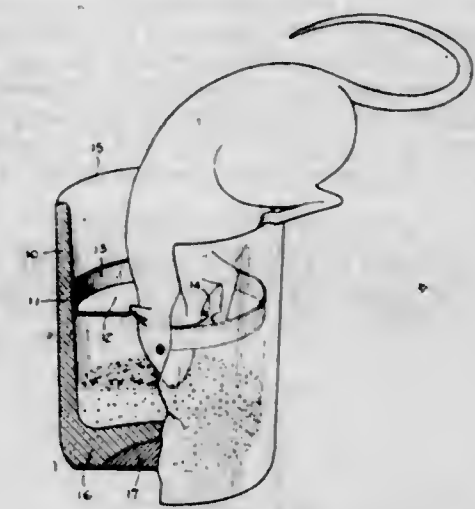


part of which is retained by the depressed chair seat and the upper part retained on the lower part by hinge straps at the back thereof, said top part adapted to form the part of the bed mattress on the chair back when the chair is converted into a bed, and a back cushion for the chair adapted to serve as a part of said mattress.

1,741,193. TREATMENT OF MATERIALS WITH BINDERS IN THE BRIQUETTING OF SAID MATERIALS. RUDOLF LESSING, London, England. Filed Oct. 6, 1927. Serial No. 224,513, and in Great Britain Nov. 3, 1926. 24 Claims. (Cl. 44-23.)

1. Process for the treatment of solid particles to be bonded together by pressure which consists in treating said particles with a liquid product containing an oily fraction and a pitch like fraction and then treating said particles with a solvent to remove said oily fraction but leave said pitch like fraction as a coating upon the individual particles.

1,741,194. RODENT OR THE LIKE DIET CUP. HAROLD LEVINE, Newark, N. J. Filed Dec. 5, 1927. Serial No. 237,687. 3 Claims. (Cl. 119-61.)

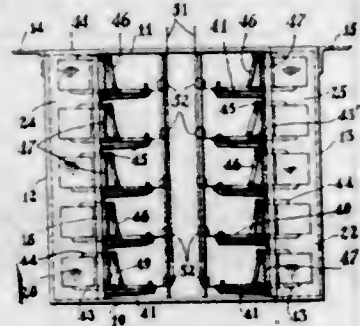


1. A diet cup including a transparent food container provided with downwardly tapered internal walls, in combination with a horizontal centrally apertured partition member provided with a tapered peripheral surface conforming with the internal walls of the container, and of such a size that it will rest frictionally within the said walls adjacent the middle of the container.

1,741,195. AUTOMATIC BOMB-DROPPING DEVICE. ANTONIO LOMBARDO, Brooklyn, N. Y. Filed Feb. 10, 1928. Serial No. 253,294. 2 Claims. (Cl. 244-1.)

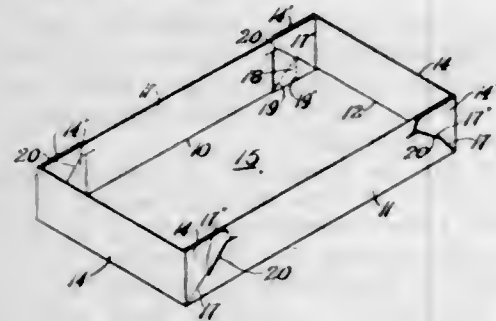
1. A bomb dropping device, comprising a container for bombs, brackets mounted thereon, supports with extensions

slidably mounted in the brackets, pair of bomb engager members movably mounted on the supports and extensions, springs connected between the said pairs of members for clamping bombs in loaded position when the engager



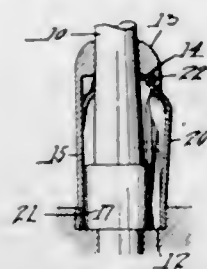
members are extended and for retracting the engager members into collapsed positions upon a discharge of the said bombs, means for urging the said supports so that the engager members are extended and means for moving the said supports so that the bombs are discharged.

1,741,196. FOLDING CARTON. ARCH O. LONG, Kansas City, Mo. Filed Dec. 24, 1927. Serial No. 242,326. 1 Claim. (Cl. 229—35.)



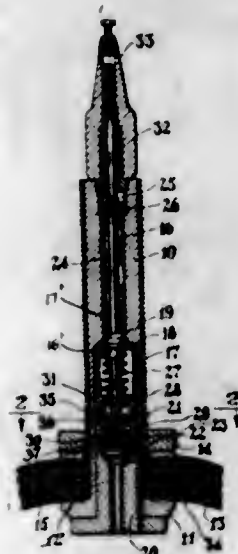
A box corner construction comprising a blank formed with folding side and end portions one of which is formed with a slit and the other with a wing extension provided with a folding locking tab formed by a slit extending from the center of said wing extension to the box corner, said tab portion being provided with a score line extending from the center of said extension to the outer corner of the tab and a second score line extending from said wing center at substantially right angles to the inner edge of the tab, thereby facilitating folding of the tab and insertion of the same through said first slit in assembling the corner structure, the center point of said wing extension having retaining engagement with one end of said first slit as the tab is again opened on the inside of the box.

1,741,197. SPINDLE CLUTCH. GEORGE H. MAGRATH, Whitinsville, Mass. Filed Oct. 7, 1927. Serial No. 224,725. 3 Claims. (Cl. 242—46.6.)



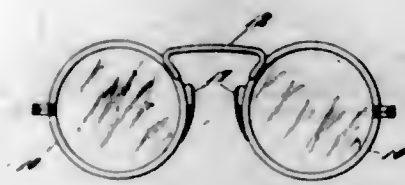
1. A spindle having a driving member and a spindle clutch comprising a recessed casing fixed and centered on said spindle and said driving member and having a plurality of spaced vertical slots in the cylindrical side wall thereof, said slots being closed at their upper ends and open at their lower ends, and a plurality of spring clutch fingers secured to said driving member at their lower ends and axially centered thereby and extending upward in said slots to directly engage a bobbin on said spindle, said fingers having their upper end portions engaging said casing within said casing recess to limit outward yielding movement of said fingers.

1,741,198. VALVE. CHARLES B. MCKENNA, New York, N. Y. Filed Nov. 2, 1927. Serial No. 230,446. 1 Claim. (Cl. 152—11.5.)



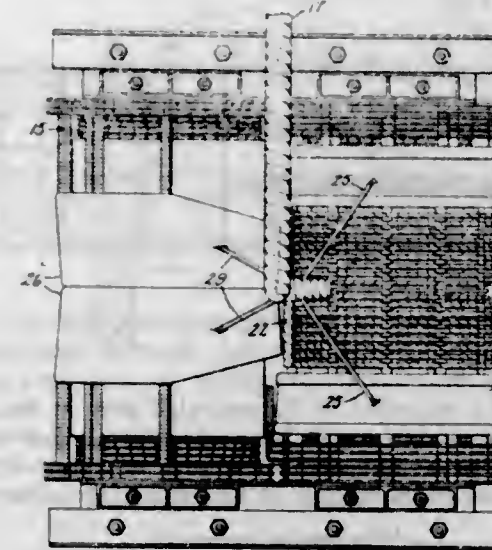
A release valve for inflated tires comprising a casing, a chamber in said casing, a passageway from said chamber to the inner end of the casing, a second passageway from said chamber through the side of the casing, a valve seat in said chamber, a valve member adapted to fit in said seat, a sleeve slidable in said casing and having a collar thereon adjacent to said valve member, an extension on said valve member slidable on said sleeve, a spring interposed between said collar and valve member to normally hold the valve member in closed position, said spring being adapted to yield when the pressure on the valve member exceeds a predetermined amount, means in said casing engaging said sleeve for adjusting the same longitudinally to vary the tension of the spring, a rod slidable in said sleeve and connected to said valve member, said rod extending beyond the outer end of the casing, an air-tight cap member adapted to be secured to the outer end of the casing and an adjustable screw in the top of said cap to engage said rod to lock the valve member in closed position.

1,741,199. OPHTHALMIC MOUNTING. JOHN N. NELSON, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 22, 1927. Serial No. 234,973. 2 Claims. (Cl. 88—42.)



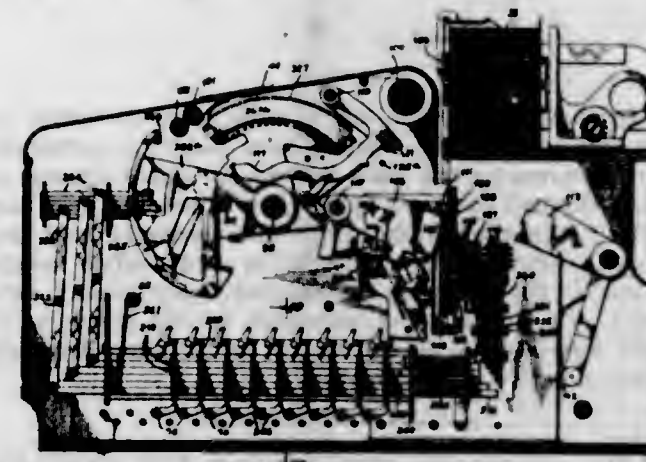
1. An ophthalmic mounting having a pair of spaced metal eyewires notched on their adjacent peripheries each at a point above the medial line thru the eyewires, and a wire bridge member of substantially U-shape having downwardly-extending arms shaped along their length to lie substantially parallel with that portion of the eyewire in proximity thereto, the extremity of each arm being folded to extend substantially at right angles thereto into the corresponding notch in its eyewire to be soldered therein to connect said eyewires together and offset the bridge laterally out of the plane of said eyewires.

1,741,200. TRANSFORMER. KONSTANTIN K. PALUEFF, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 5, 1929. Serial No. 344,413. 10 Claims. (Cl. 175—356.)



1. A transformer including a magnetic core having a winding leg, and two concentric groups of winding turns surrounding said winding leg, the turns of each of said groups being uniformly distributed along said winding leg, the outer group of turns having one terminal grounded, and the spacing between said groups of turns increasing progressively from said grounded terminal to the other terminal of said outer group.

1,741,201. ACCOUNTING MACHINE. JOHN ROYDEN PEIRCE, New York, N. Y., assignor to Computing-Tabulating-Recording Co., New York, N. Y., a Corporation of New York. Filed Nov. 10, 1923. Serial No. 673,921. 58 Claims. (Cl. 101—19.)

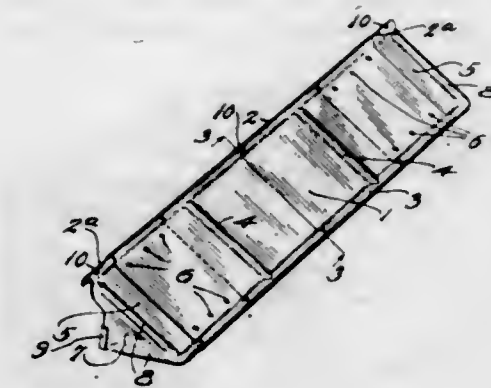


1. In a machine of the class described including printing elements and a plurality of independently operable combination control members for effecting selection of the printing elements for operation in accordance with the combinational operation of the control members, in combination with a plurality of selectively operable slugs for selecting and controlling a combinational operation of the control means, each said slug having a plurality of combinational determining stops and means comprising a keyboard for selecting which of the slugs are to cooperate with and control the combinational operation of the control members.

1,741,202. AUTOMOBILE AWNING. GILBERT A. ROTH, Hastings, Nebr., assignor to G. A. Roth Manufacturing Co., Hastings, Nebr. Filed Nov. 30, 1926. Serial No. 151,653. 4 Claims. (Cl. 296—44.)

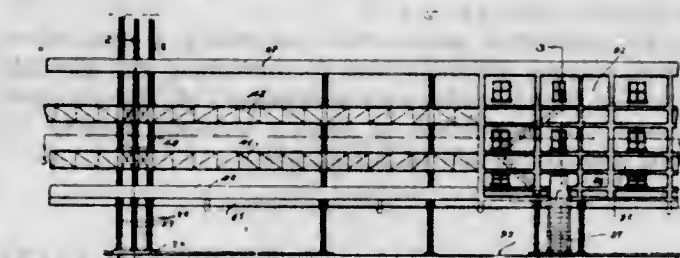
1. An awning attachment for windows including an awning body, an end extension slidably mounted thereon,

the awning body and extension being formed at opposite edges thereof with corresponding inverted U-shaped ribs



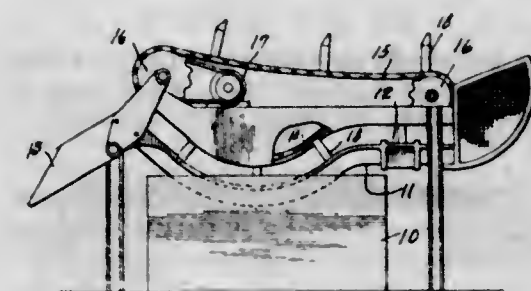
and hollow beads, the ribs and beads telescoping within each other and the ribs being adapted to enter the groove of a window frame.

1,741,203. RAPID-TRANSIT SYSTEM. AMBROSE LEONARD ROWE, Detroit, Mich. Filed Jan. 24, 1927. Serial No. 163,127. 5 Claims. (Cl. 104—124.)



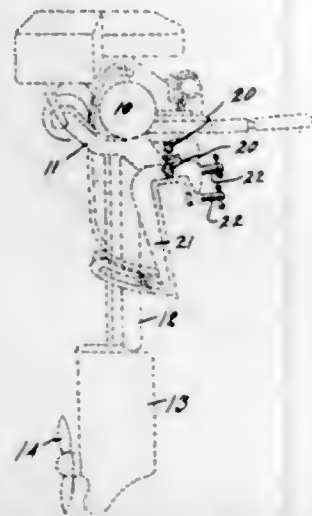
1. In a superstructure of the class described, supporting members; a roof on said supporting members, said roof being downwardly inclined at opposite sides toward the center thereof; and a retaining flange at each outside edge of said roof.

1,741,204. METHOD OF TINNING BEARING SHELLS AND THE LIKE. VERNE SKILLMAN, Highland Park, Mich., assignor to Bohm Aluminum & Brass Corp., Detroit, Mich., a Corporation of Michigan. Filed Nov. 1, 1926. Serial No. 145,586. 4 Claims. (Cl. 91—70.3.)



1. In the method of tinning bearing shells and the like those steps which consist in, coating the shell with a material preventing the adherence of tin, removing such material from the surface to be tinned by boring the shell and introducing the shell into a tinning bath.

1,741,205. LOCKING CLAMP FOR OUTBOARD MOTORS. THEODORE L. SMITH, Detroit, Mich., assignor to The Caille Brothers Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 26, 1928. Serial No. 249,529. 2 Claims. (Cl. 24-243.)

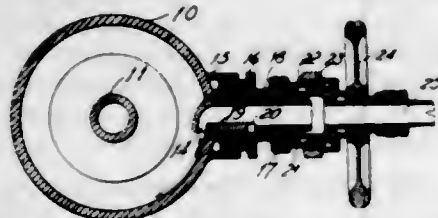


1. A clamp device comprising a C clamp having a pair of clamping screws, a turning lever in the head of each screw having an eye in its end, and a locking device adapted to pass through said eyes and lock said levers together.

1,741,206. MOTOR FUEL. THOMAS H. STACKHOUSE, Wilmington, Del. Filed Nov. 25, 1925. Serial No. 71,436. 2 Claims. (Cl. 44-9.)

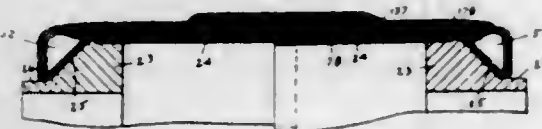
1. An anti-knock motor fuel comprising a solution of gasoline, carbon bisulfide and nitrobenzene, the gasoline comprising a predominating proportion of the composition and the proportion of carbon bisulfide greatly exceeding the proportion of nitrobenzene.

1,741,207. CENTRIFUGAL SEPARATOR AND VALVE THEREFOR. CHARLES WALCOTT STRATFORD, San Francisco, Calif. Filed Aug. 25, 1925. Serial No. 52,368. 5 Claims. (Cl. 183-86.)



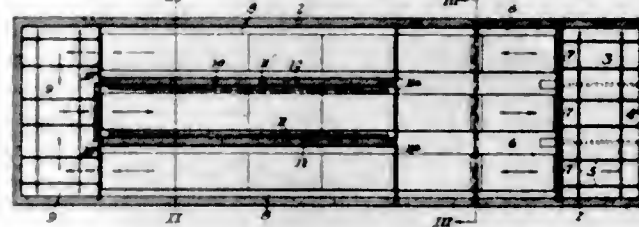
8. An orifice mechanism for the fluid delivery conduit to a centrifugal separator adapted to inject fluid tangentially onto the inner surface of said separator, said mechanism having an orifice closure, a hollow slidable piston integral therewith and means for sliding the piston to vary the orifice opening.

1,741,208. PROCESS OF FORMING DRUM TIRES. WILLIAM E. SWERN, Kokomo, Ind. Filed June 30, 1924. Serial No. 723,353. 1 Claim. (Cl. 154-14.)



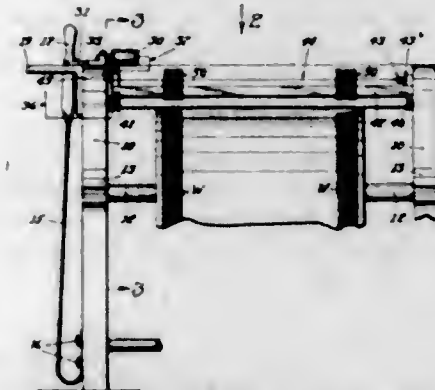
The process of forming a drum type tire having a tread and breaker strip including forming a cylindrical tread portion in inverted relation and of a diameter substantially that of the bead diameter of the tire, expanding said tread to a diameter approximately that of the completed tire casing, securing thereto a breaker strip, and thereafter turning said tread and strip inside-out.

1,741,209. FURNACE AND METHOD OF OPERATING THE SAME. EDWARD H. SWINDELL and FRANK W. BROOKE, Pittsburgh, Pa., assignors to William Swindell & Bros., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 29, 1923. Serial No. 615,511. 12 Claims. (Cl. 263-28.)



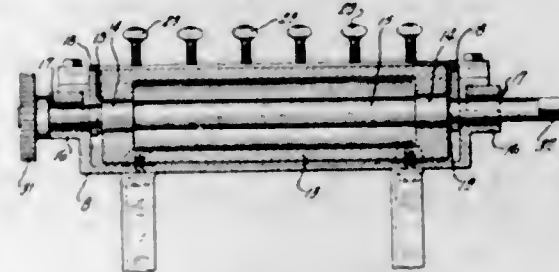
10. In the method of treating material, the steps consisting of annealing said material, effecting movement of the annealed material in proximity to and between adjacent lines of material to be annealed and in heat conducting relationship to said lines of material, and moving the material to be annealed at a rate of speed different from the speed of movement of the annealed material.

1,741,210. WARP STOP MOTION FOR LOOMS. RICHARD G. TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 30, 1928. Serial No. 250,416. 12 Claims. (Cl. 139-353.)



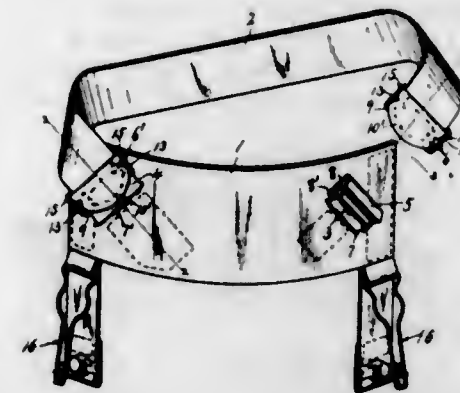
2. In a warp stop motion, a bank of drop wires normally supported by the warp, a loom stopping mechanism, said drop wires having slots therein, a flexible element extending through the slots of the drop wires and positioned for direct engagement therewith and normally held taut, and means operatively connected to said flexible member to actuate the stopping mechanism, said means being brought into action by a deflection in the shape of the flexible member due to the weight of a fallen drop wire resting on said flexible member.

1,741,211. GUMMING ATTACHMENT FOR ENVELOPE MACHINES. ELIJAH G. VALLIER, Wauwatosa, Wis., assignor to Western States Envelope Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 17, 1926. Serial No. 155,463. 5 Claims. (Cl. 91-51.)



1. A gumming attachment, comprising a glue box, bearings formed at the end portions thereof, a shaft having its end portions journaled in said bearings, a roller carried by the medial portion of said shaft, and non-rotatable shields surrounding the shaft adjacent the bearings and spaced from the ends of the roller.

1,741,212. GARMENT SUPPORTER. CRYLON C. WALCH, Syracuse, N. Y. Filed Aug. 3, 1928. Serial No. 297,350. 1 Claim. (Cl. 241-6.)



A garment supporter of the character described comprising a non-elastic band-section, an elastic band section, loops secured to the non-elastic section near the ends thereof, a clasp permanently secured to one of the loops for engaging and releasing one end of the elastic section, a hook plate permanently attached to the other loop, and an additional clasp movable at will into and out of engagement with the hook plate and also operable at will to engage and release the other end of the elastic section.

1,741,213. EYE-TESTING APPARATUS. WILLIAM L. WALL, Philadelphia, Pa., assignor to Wall & Ochs, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 16, 1927. Serial No. 191,629. 9 Claims. (Cl. 88-20.)

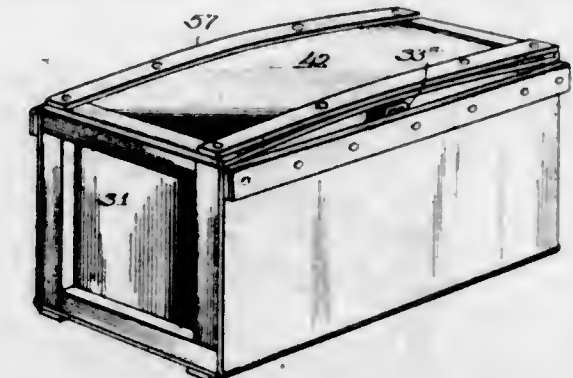


1. Eye testing apparatus comprising a housing the opposite sides of which are provided with channels located upon the inner surfaces thereof of a width to accommodate a plurality of test cards, the lower ends of which channels merge into relatively narrow channels and a plurality of test cards mounted within the relatively wide channels, any one of which is adapted to be moved into the relatively narrow channels.

1,741,214. FIBER-BOARD SHIPPING CASE. HARRISON B. WALTER, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a Corporation of Delaware. Filed July 29, 1927. Serial No. 209,224. 1 Claim. (Cl. 217-2.)

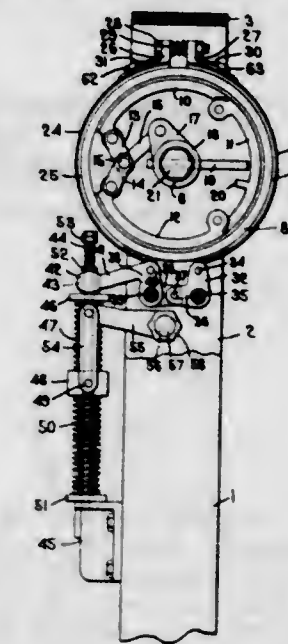
A fiber board shipping case for citrus fruits and the like, comprising a body made from a blank of fiber board

creased to provide the bottom and two sides of the case with extensions at the ends of the blank folded back upon itself, longitudinally extending wood strips secured to the bottom section of the blank along its lateral margins, and wood strips secured between said extensions and the adjacent parts of said blank; end panels each comprising an open wood frame and a fiber board sheet beveled at



its top edge and nailed to said frame, an intermediate panel comprising an open wood frame and a fiber board sheet folded to cover opposite faces of said frame and nailed thereto, and a lid consisting of a fiber board sheet bent back upon itself at its ends and of wood strips extending along and secured to the margins of said blank with their ends engaged upon said folded extensions, said parts being all secured together in the manner described.

1,741,215. AUTOMATIC BRAKE-CONTROLLING MECHANISM. NATHANIEL WARSHAW, Mattapan, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a Corporation of Massachusetts. Filed Dec. 24, 1927. Serial No. 242,347. 13 Claims. (Cl. 192-16.)

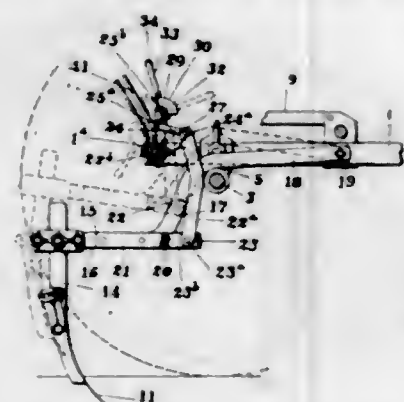


3. An automatically operable brake control for a rotatable device having a main brake and brake-releasing means comprising a governor having centrifugally actuated supplementary braking mechanism having means rotatable co-axially with said rotatable device and means for so transmitting the braking force of said supplementary braking means to said main brake as to cause the conjoint braking action of said supplementary braking means and said main brake to prevent acceleration of said device beyond a predetermined, substantially uniform, speed of rotation.

1,741,216. PLANTING MECHANISM. CHARLES E. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 18, 1918. Serial No. 223,154. 8 Claims. (Cl. 97-245.)

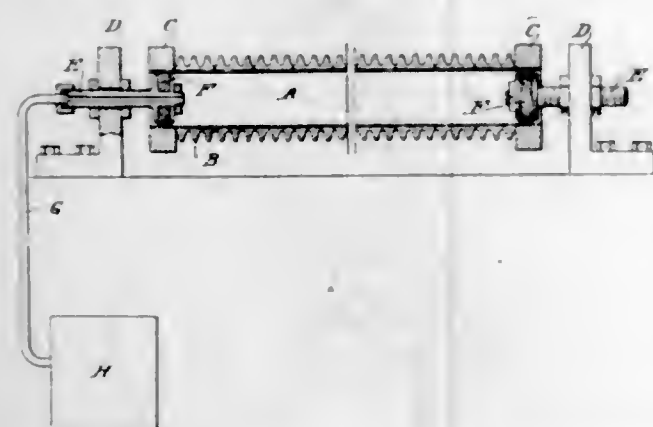
1. In a planting mechanism of the class described, the combination with a main frame, of a rearwardly disposed

hoe carrying support comprising a lever normally having free swinging movement supported by the main frame, operating connections comprising a link pivotally connected between said lever and the hoe carrying support arranged to permit said support to move freely vertically independently of said lever when the hoes are in any working position, and to allow said lever a limited range of move-



ment without affecting the position of said support, said connections being adapted to be actuated by movement of said lever either to elevate the hoe carrying frame from its operative position and lock it in its elevated position by said link swinging over a dead center position, or to apply downward pressure to said hoe carrying frame when it is in its operative position.

1,741,217. SUPERHEATER TUBE AND METHOD OF MAKING SAME. WILLIAM H. WINSLOW, Chicago, Ill., assignor to Foster Wheeler Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 29, 1921. Serial No. 511,508. Renewed June 1, 1929. 5 Claims. (Cl. 29-157.4.)



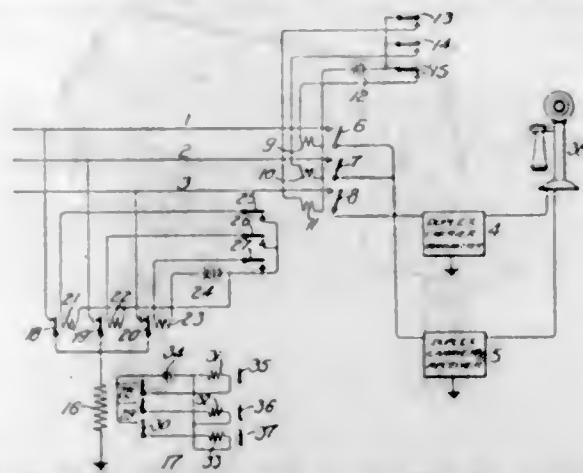
1. The method of uniting a tube and a surrounding envelope of independently made rings, which consists in stringing over the tube independent abutting rings of substantially greater diameter than the outer diameter of the tube, then expanding the tube by uniform internal pressure of sufficient intensity to burst the tube and expand it beyond its elastic limit while restraining any such bursting at any points along the tube by means of said abutting rings, said expanding of said tube causing it to be expanded into close contact with the interior of the rings to a point beyond the limit of elasticity of the tube.

4. A ferrous superheater tube having its middle portion of greater diameter than its ends, and a plurality of rings tightly encircling said middle portion, said rings being contiguous to each other, said middle portion being stretched beyond its last elastic limit into firm contact with said rings.

1,741,218. CARRIER-CURRENT SYSTEM. WALTER R. G. BAKER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 24, 1925. Serial No. 25,644. 5 Claims. (Cl. 179-2.5.)

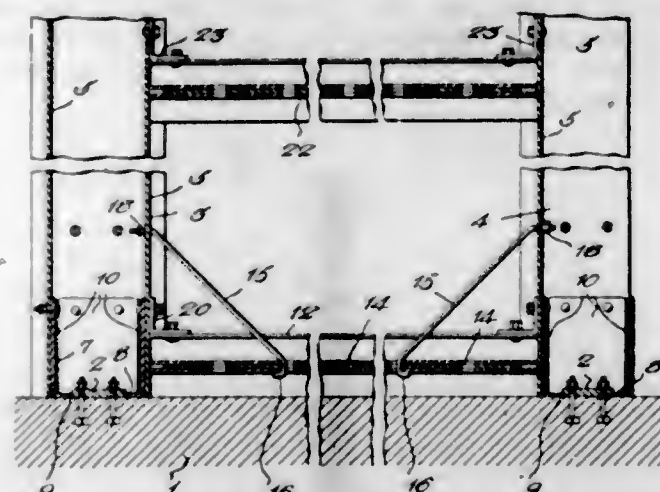
1. A carrier current signalling system comprising a plurality of coupling conductors, communication apparatus

normally disconnected from said conductors, a plurality of indicating devices, each indicating device corresponding to one of said coupling conductors, a single means normally connected to all of said conductors for selectively



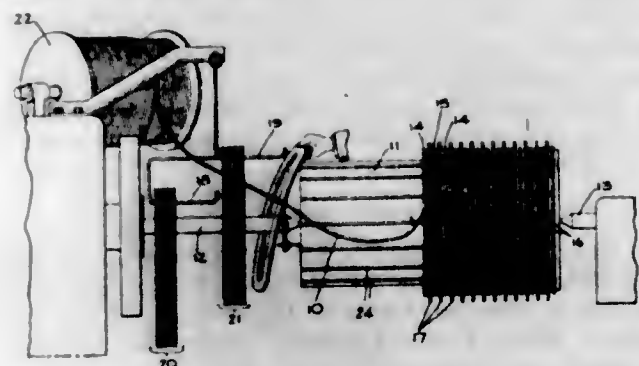
actuating said indicating devices, and means for connecting the communication apparatus to one of said conductors and for disconnecting said single selective actuating means from that conductor only.

1,741,219. BUILDING CONSTRUCTION. ALBERT F. BEMIS, Newton, Mass., assignor to Bemis Industries, Inc., Boston, Mass., a Corporation of Delaware. Filed Apr. 3, 1928. Serial No. 266,955. 10 Claims. (Cl. 189-1.)



1. A building construction comprising two walls in intersecting planes, a frame member extending along the line of intersection, said member comprising face parts clamping therebetween a projecting web part, frame members in one of said walls engaging said projecting web part and frame members in the other of said walls engaging one of said face parts.

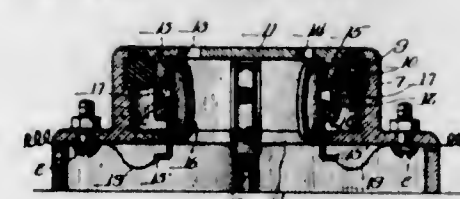
1,741,220. METHOD OF WINDING COILS. PIETRO BOLIS, Milan, Italy, assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1927. Serial No. 242,867, and in Italy Dec. 28, 1926. 6 Claims. (Cl. 242-1.)



1. A method of forming a continuous disc coil winding with integral insulating collars interposed between adja-

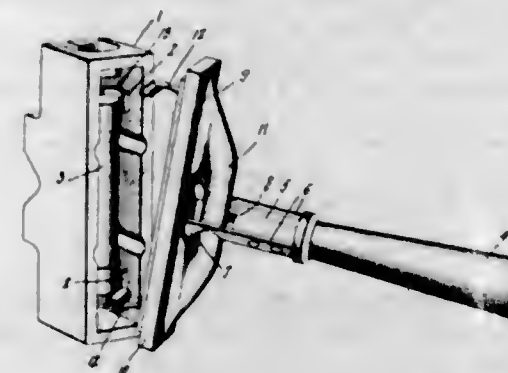
cent coils, said method including passing a continuous conductor through part of said collars to form the winding before said collars are assembled in the winding.

1,741,221. SOCKET. HARRY A. BREMER, Chicago, Ill., assignor to Bremer-Tully Manufacturing Company, a Corporation of Illinois. Filed May 12, 1926. Serial No. 108,513. 4 Claims. (Cl. 173-328.)



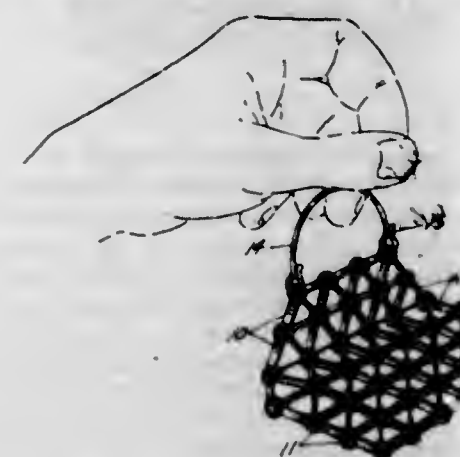
1. In a socket of the character described, the combination with a base of insulating material formed with an upstanding annular shell, of a floating circular guide plate apertured to receive the electrode pins of a tube and formed with a depending annular stem inwardly offset from the periphery of said guide plate and disposed within said shell, a ring of vibration absorbing material compressed between said shell and said stem and supportingly engaged with the peripheral portion of said guide plate, and contacts attached to the inner wall of said stem in register with the apertures of said guide plate.

1,741,222. FUSE PULLER. RAY F. BROWN, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 17, 1927. Serial No. 176,224. 1 Claim. (Cl. 81-3.8.)



A fuse puller comprising an insulating handle provided with a recess in one end, a spring seated in said recess and projecting therefrom, two metal blades provided with oppositely-directed hooks secured to opposite sides of said handle and projecting beyond the end thereof.

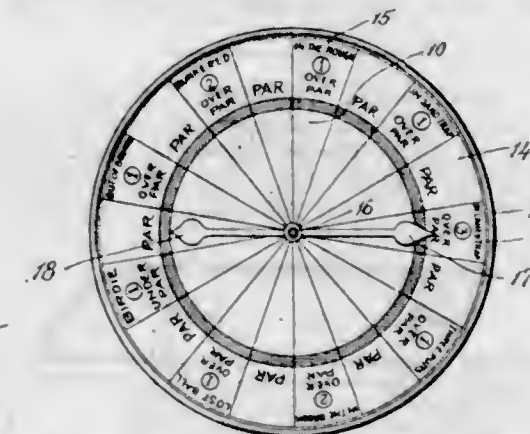
1,741,223. CLEANING AND SCOURING DEVICE. OWEN S. CASE, Walden, Colo. Filed Nov. 10, 1928. Serial No. 318,322. 4 Claims. (Cl. 15-208.)



1. A cleaning and scouring device comprising a series of flat, substantially rectangular, blade members having

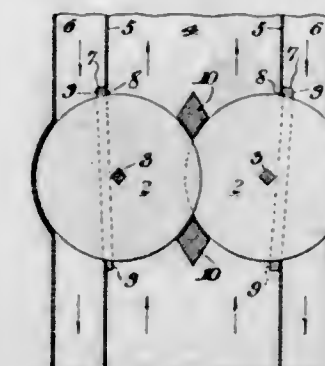
openings formed adjacent their extremities; and a series of cylindrical rings of narrow flat material passing through said openings so as to secure said blade members in a series of triangles into a flat fabric, said members extending uprightly in said fabric so as to present their edges to the surfaces thereof; projections extending inwardly into said openings substantially into contact with the inner and outer surfaces of said rings so as to limit the arcuate movement of said rings within said openings.

1,741,224. GAME APPARATUS. ARTHUR L. CLARK, Montclair, N. J. Filed Feb. 2, 1928. Serial No. 251,250. 1 Claim. (Cl. 273-141.)



A golf game apparatus which comprises a chart having a portion subdivided to form a plurality of spaces bearing a series of indicia representing par and variations from par, and a member having a portion movable over the chart by the player and coming to rest at random and designating by its position one of said spaces, the indicia-bearing space designated by the member in its position of rest determining whether the player's score on the hole being played is par or a variation therefrom.

1,741,225. HEAT EXCHANGER. WALDEMAR DYRSSEN, Sharpsburg, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Dec. 31, 1927. Serial No. 248,874. 1 Claim. (Cl. 257-6.)

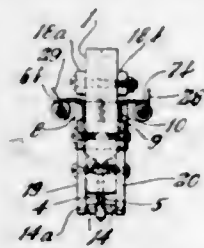


In a heat exchanger, an inner fluid conduit, outer fluid conduits disposed along the edges of the inner conduit, and heat exchanging mechanism operative between the inner and outer conduits comprising a plurality of disks arranged in groups and rotating in the inner and outer conduits, the individual disks of the different groups being in overlapping relation, whereby the disks of one group space the disks of another group.

1,741,226. ELECTROMECHANICAL TRANSLATING DEVICE. THEODORE M. EDISON, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a Corporation of New Jersey. Filed Apr. 18, 1928. Serial No. 270,861. 4 Claims. (Cl. 179-100.1.)

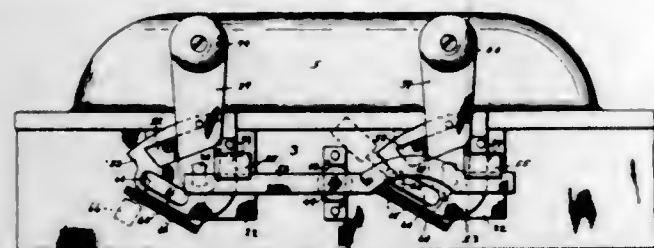
2. A phonograph pick-up comprising in combination a magnet having an air gap, a non-magnetic conductor in

the form of a U mounted in said air gap, means for yieldingly supporting the open ends of said conductor for



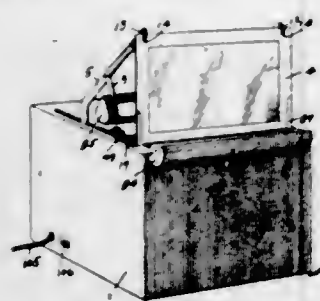
movement at an angle to the arms of said U, stylus arranged to be vibrated by a record, and a connection between said stylus and the closed end of said conductor.

1,741,227. COMPOUND SWITCH. HARRISON J. L. FRANK, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a Corporation of West Virginia. Filed Jan. 10, 1924. Serial No. 685,320. 3 Claims. (Cl. 200—50.)



1. A compound switch comprising a pair of independent switches, operating means for each, a cover for said switches, interlocking means between said cover and each of said operating means constructed and arranged to lock said cover when either switch is closed, means to prevent both switches being closed at the same time and separate means to prevent either of them being closed.

1,741,228. CARD-DISPLAY MACHINE. WILLIAM A. GARLICK, San Francisco, Calif. Filed May 24, 1927. Serial No. 193,853. 7 Claims. (Cl. 40—36.)

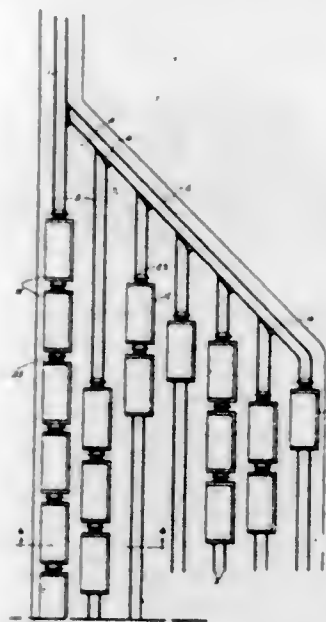


1. A device of the type described comprising a casing, a plurality of non-transparent and transparent cards carried by said casing, means for lifting said cards one at a time into operative position, means for illuminating the front of the non-transparent cards when raised into operative position, and means for illuminating the rear of the transparent cards when raised into operative position, said last named means being controlled by the means carried by the transparent cards.

1,741,229. METHOD AND APPARATUS FOR CONDUCTING AND MAKING RECORDS AND REPORTS OF TRANSPORTATION OF RAILROAD CARS. LEON M. GIBBS, Birmingham, Ala., assignor, by direct and mesne assignments, to Two-Car Transportation Company, a Corporation of Alabama. Substitute for application Serial No. 573,754, filed July 8, 1922. This application filed Feb. 3, 1928. Serial No. 251,723. 27 Claims. (Cl. 129—1.)

1. An improved method of directing the switching of, and keeping records relative to, freight cars which con-

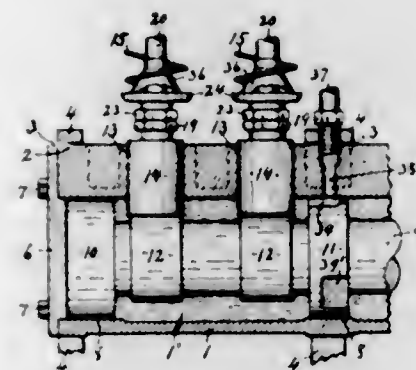
sists in transporting with each railroad car its respective dummy, arranging and moving said dummies at each switching point to correspond with the movement of their respective railroad cars, and providing each dummy with the way-bill data required for records and reports of its respective car.



21. In an apparatus of the character described, a dummy, representative of a railroad car and adapted to travel therewith, having spaced top and bottom members, and relatively narrow elements connecting said members, the top member being adapted to display printed way-bill data and the bottom member to print such data.

23. In combination with dummies representative of railroad cars and having each a type means for printing record and report data relative to the railroad car it represents, a print track adapted to receive said dummies, and means to take reproductions on a paper strip from the type of the dummies in said track.

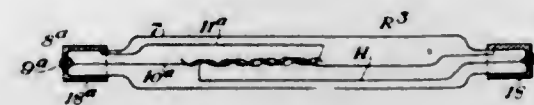
1,741,230. POPPET-VALVE ACTION FOR INTERNAL-COMBUSTION ENGINES. WILLIAM M. GOODWIN, Central Square, N. Y. Filed Nov. 28, 1927. Serial No. 236,195. 4 Claims. (Cl. 123—177.)



2. In an internal combustion engine, a cam shaft housing having a cylindrical chamber containing oil under pressure and provided with a radial guide-opening leading from said chamber to the exterior of the housing, a cam shaft journaled in said chamber, a cam-actuated tappet slidably fitted in said guide-opening and provided with a substantially flat inner end face adapted to be engaged by a cam on the shaft, a poppet-valve having a tubular stem in radial alignment with the guide-opening in the housing and having its inner end open and its outer end closed, a tappet-member adjustably secured to the open end of the valve stem and cooperating with the first-named tappet for transmitting motion therefrom to the valve, said tappets being provided with relatively small relief-

passages communicating with the oil-chamber of the housing and with the open end of the valve-stem to permit the passage of oil from said chamber to the interior of the valve stem for cooling purposes, said valve stem having an outlet passage leading from the interior to the exterior thereof to permit the escape of oil therefrom, the cross sectional area of the relief passages being considerably less than the area of the inner end of the first-named tappet to cause the oil pressure within said chamber acting upon the inner end of the piston to hold the first-named tappet in contact with the second-named tappet independently of the cam.

1,741,231. ELECTRICAL TRANSLATING APPARATUS. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,286. 2 Claims. (Cl. 201—63.)



1. A thermo-sensitive device comprising a thermo-sensitive substance, and two helical conductors embedded in said substance with the turns of one conductor alternating with the turns of the other but spaced by the thermo-sensitive substance, and a heating element intertwined with said conductors.

1,741,232. NECKTIE. MARION M. HALL, Port Nelson, Ontario, Canada. Filed Feb. 15, 1928. Serial No. 254,505. 2 Claims. (Cl. 2—146.)

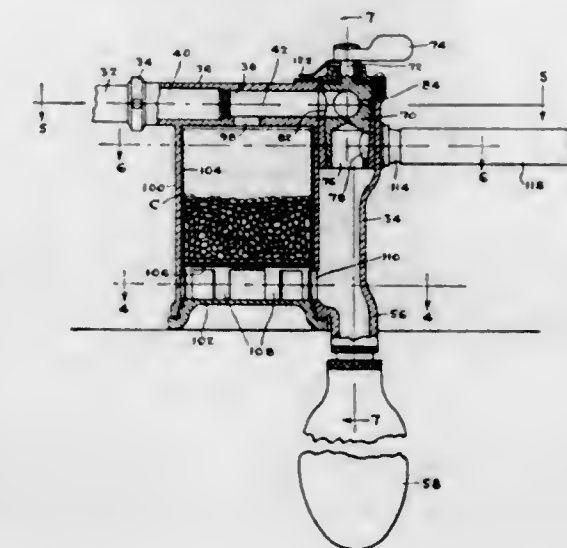


1. A necktie, comprising an outer fabric, and a lining of bias cut resilient material having its longitudinal edge portions folded inwardly with the longitudinal edges thereof abutting and resiliently connected by stitches, said stitches being entirely free of the outer tie fabric.

1,741,233. FILTERING ATTACHMENT FOR ANESTHETIZING MACHINES. JAY A. HEIDBRINK, Minneapolis, Minn. Filed Aug. 17, 1927. Serial No. 213,529. 1 Claim. (Cl. 128—203.)

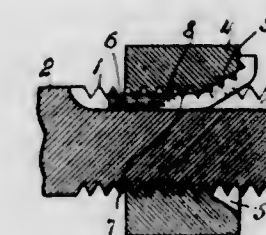
A filtering attachment for anesthetizing machines comprising an inhaler, a valve casing, two tubes connecting said casing directly with said inhaler, a hollow member extending downwardly from said valve casing, a re-breathing bag secured to the lower end of said hollow

member, a receptacle secured at the rear of said hollow member containing covering material for absorbing carbon dioxide, the bottom of said receptacle having an opening into said hollow member, a rotatable valve in said casing, said valve having a passageway cooperating with one of said tubes for passing variable proportions of the exhaled gas to said filtering material before reaching said bag and said valve having a second passageway cooperating



with the other of said tubes for passing the rest of the exhaled gas directly to said bag, and a tubular member extending rearwardly from said valve casing for connection with sources of gas supply, said tubular member having two compartments, one of which provides a passageway directly from the source of supply into said downwardly extending member and the other of which provides a passageway from said valve to the top of said filtering receptacle.

1,741,234. BOLT AND NUT LOCK. MARION J. HENRY, Fort Madison, Iowa. Filed Sept. 30, 1926. Serial No. 138,653. 1 Claim. (Cl. 151—4.)

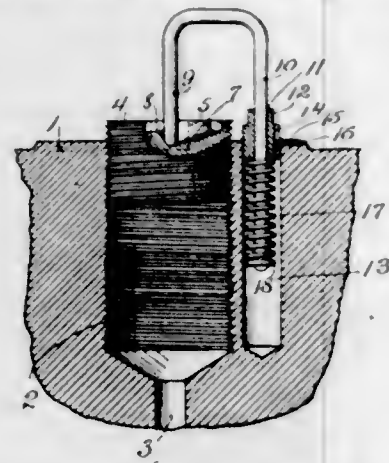


In a bolt and nut lock, a bolt having a threaded portion with a longitudinal groove therein, a flexible locking pin adapted to be fitted in said groove having in its outer side before its insertion in the groove, threads aligning with the threads of the bolt, and a nut fitted to said bolt and having means for engaging said pin to hold the latter from turning when the pin is bent away from the bolt, the threads of said pin being of less depth than the threads of the bolt and nut, and being spaced at their outer edges from the bottoms of the threads in the nut, when the latter is screwed tightly onto the bolt and pin.

1,741,235. LUBRICATING DEVICE. MARION J. HENRY, Fort Madison, Iowa. Filed Apr. 9, 1927. Serial No. 182,352. 5 Claims. (Cl. 184—48.)

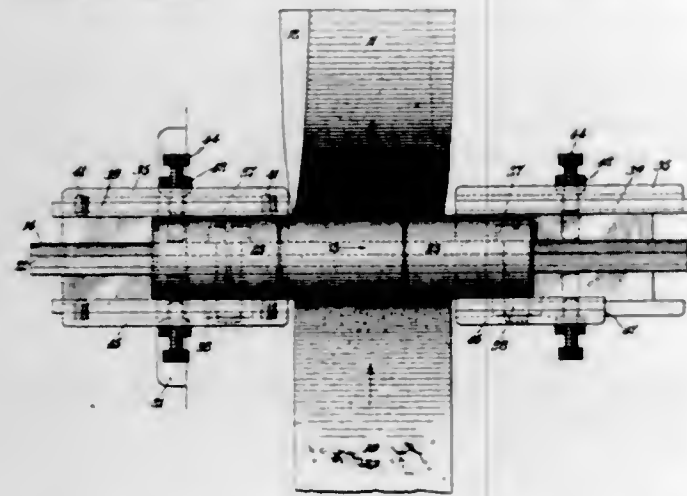
4. In a lubricating device, a container having a threaded hole, a screw plug rotatably and removably fitted in said hole and having in its outer end an annular groove having therein an abutment, a U-shaped member one arm of which is adapted to travel in said groove and to engage

said abutment for holding the plug from unscrewing and the other arm of which is slidably and rotatably mount-



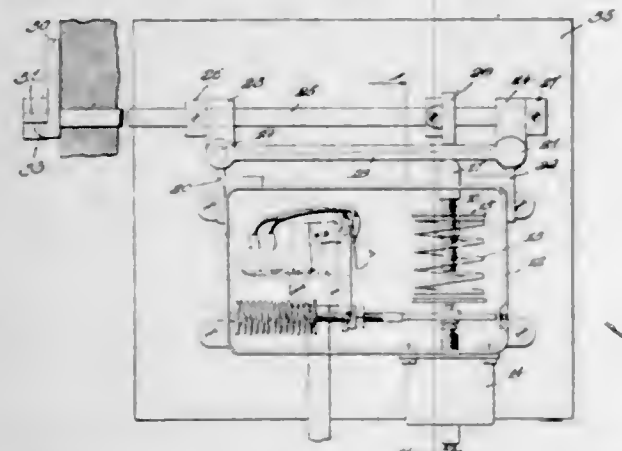
ed in said container, and resilient means for normally forcing said U shaped member inwardly into contact with said plug.

1,741,236. GRINDING. LEWIS R. HEIM, Danbury, Conn., assignor, by mesne assignments, to Cincinnati Grinders, Incorporated, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 26, 1922. Serial No. 556,635. 22 Claims. (Cl. 51-103.)



1. In grinding apparatus, in combination, a work support, a guide, means supporting said guide adjacent the lower edge thereof and mounting said guide to swing about a substantially horizontal axis toward and away from said work-support, and means adapted to lock said guide in the position into which it is swung.

1,741,237. TEMPERATURE REGULATOR FOR MECHANICAL REFRIGERATORS. ERNEST G. HODOKINS, Newton Center, Mass. Filed May 21, 1927. Serial No. 193,232. 2 Claims. (Cl. 200-83.)



1. A temperature regulator for mechanical refrigerators having, in combination, a control comprising a spring, an

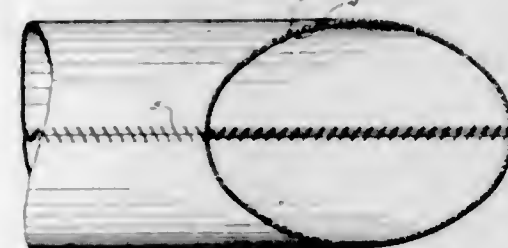
abutment, a follower carried by the abutment for opposing the pressure of the spring having provision for adjustment on the abutment to regulate the normal chest temperature, a cam having a low part and a high part, co-operating with the abutment when turned to move to its position, the high part of the cam providing a support for the abutment in position, to maintain the normal chest temperature, and the low part of the cam operating to support the abutment for low chest temperature.

1,741,238. PROPULSION OF WATER CRAFT AND AIRCRAFT. DONALD VIVIAN HOTCHKISS, Dorset, England. Filed July 30, 1927. Serial No. 209,578, and in Great Britain Aug. 26, 1926. 5 Claims. (Cl. 170-114.)



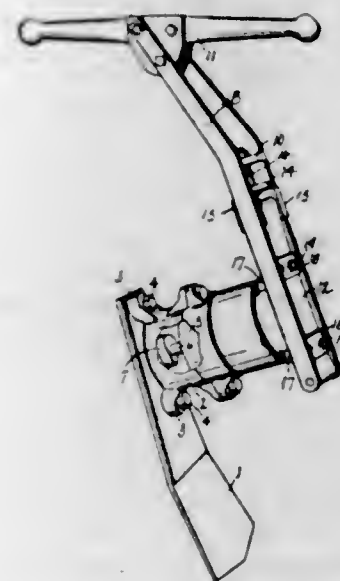
2. Apparatus for propelling a vessel, comprising at least one casing of substantially conical shape with an aperture in its side expanding towards its base, and an impeller of corresponding shape rotatable within the casing.

1,741,239. SAUSAGE CASING. FRANK H. HOY, Milwaukee, Wis., assignor to Cudahy Brothers Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 5, 1928. Serial No. 259,313. 2 Claims. (Cl. 17-45.)



1. As a new article of manufacture, a sausage casing comprising an outer layer of relatively weak and fatty intestinal casing material and an inner layer of relatively strong intestinal casing material secured together to form the casing.

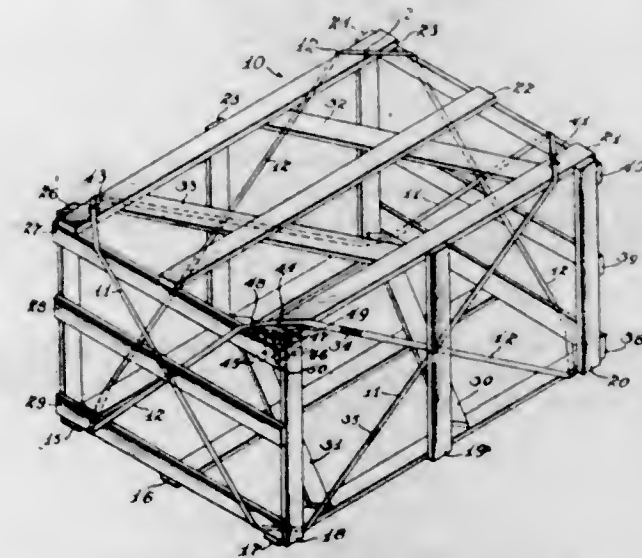
1,741,240. TAMPING AND LIKE IMPLEMENT. CORWILL JACKSON, Chicago, Ill. Filed Sept. 29, 1928. Serial No. 309,193. 12 Claims. (Cl. 104-13.)



1. In a structure of the class described, the combination with a motor housing, of a motor disposed in said housing and provided with a shaft having an unbalancing weight

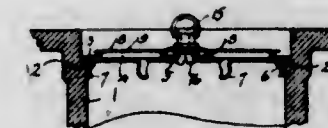
thereon, a tool mounted on said housing, a handle comprising a pair of spaced bars and coacting spaced cross members, a flexible support member connected at one end to one of said cross members of said handle, an adjusting slide connected to the other end of said support and slidably mounted on said bars, an adjusting bolt adjustably connecting said slide to the other cross member of said handle, said housing being provided with a pair of spaced attaching ears, and clamps for securing said attaching ears to said support.

1,741,241. CRATING. EDWIN F. LAU, Melrose Park, Ill., assignor to Consolidated Steel Strapping Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 7, 1926. Serial No. 139,962. 3 Claims. (Cl. 217-36.)



2. In a crating, the combination of a polyhedral enclosing frame composed of a plurality of frame members forming a crating or box, with a continuously diagonal metal tension bracing member extending directly from face to face of said frame, said tension member alternately extending across a face from one edge to a parallel edge and then across a corner from one edge to an edge transverse to said latter edge, said tension member being tensioned along its full length about said frame, and having its ends joined together.

1,741,242. SINK STRAINER. GOTTHARD J. LEMM, Tacoma, Wash. Filed Apr. 28, 1928. Serial No. 273,659. 4 Claims. (Cl. 4-287.)

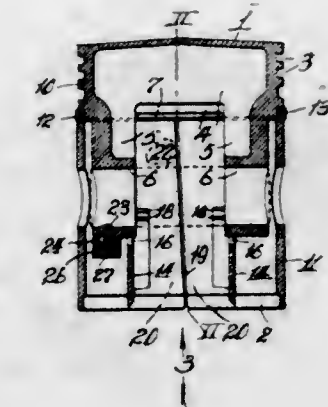


1. In a sink strainer, the combination of an outer enveloping ring, said ring having a flat under surface adapted to rest on the shoulder in the drain pipe; spring clips projecting downward and outward from the inner edge of the lower side of said ring and adapted to engage the inner surface of the drain pipe below the shoulder thereof to hold the ring on the shoulder; and a strainer disk having drain holes therein and lying within said ring whereby it is held in place in the drain pipe.

1,741,243. PISTON. ELMER C. LONG, Detroit, Mich., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 12, 1923. Serial No. 624,463. 19 Claims. (Cl. 74-108.)

1. A piston comprising a head and a skirt and kin bosses, said skirt being provided with a slit which extends

from a point near the head to the open end of the piston, said slit providing adjacent disconnected portions on one side of the skirt, and cooperating members extending from



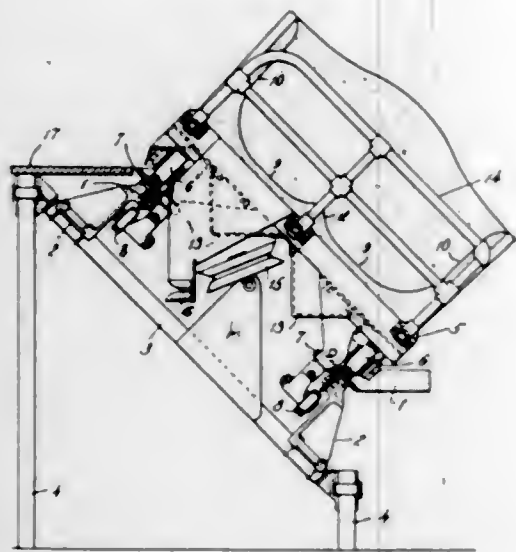
one side of a respective pin boss to opposite sides of the skirt and being free from engagement with the lower sides of the pin bosses.

1,741,244. PUMP. RICHARD C. MASON, Tulsa, Okla. Filed Dec. 5, 1927. Serial No. 237,747. 1 Claim. (Cl. 103-179.)



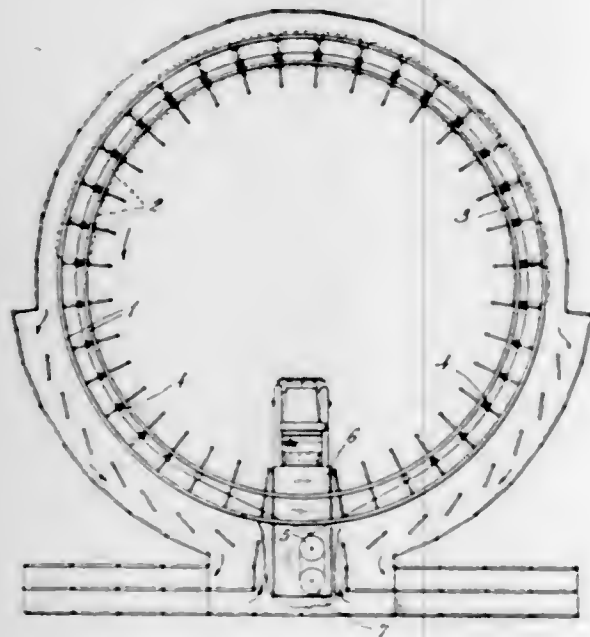
In combination with well casing, a packer barrel in the casing, a valve housing in the barrel having an upwardly facing seat and ports opening to the barrel, a plug at the bottom of the housing having an upwardly opening socket, a valve stem having a valve at its upper end cooperative with said seat and a downwardly opening socket at its lower end cooperative with the plug socket to form a cushion, a working barrel on the valve housing, a hollow plunger adapted for reciprocation in the working barrel having intake ports at its lower end and outlet ports at its upper end, a spider on the lower end of the plunger, and a piston slidable on the plunger above the spider and adapted for covering said intake ports.

1,741,245. AMUSEMENT RIDE. Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y. Filed Sept. 20, 1928. Serial No. 307,247. 10 Claims. (Cl. 104-63.)



1. An amusement ride comprising the combination of a curved track inclined sharply downward toward its center of curvature at the point where the passengers enter, and a car on the track with its seat substantially parallel with the track.

1,741,246. AMUSEMENT RIDE. Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y. Filed Sept. 20, 1928. Serial No. 307,248. 12 Claims. (Cl. 104-63.)

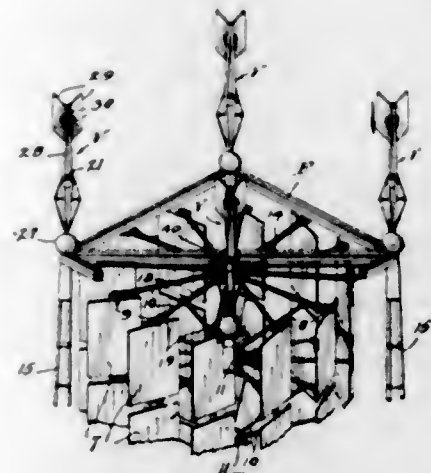


1. An amusement ride comprising the combination of an undulating track, a train of cars movable over the track, a cable for pulling the train, a cable clutch carried by the train, and means for automatically actuating the clutch to grip the cable when the cars are out of alignment.

1,741,247. WIND MOTOR. Otto J. Nitardy, Minneapolis, Minn. Filed Mar. 5, 1928. Serial No. 259,247. 6 Claims. (Cl. 170-24.)

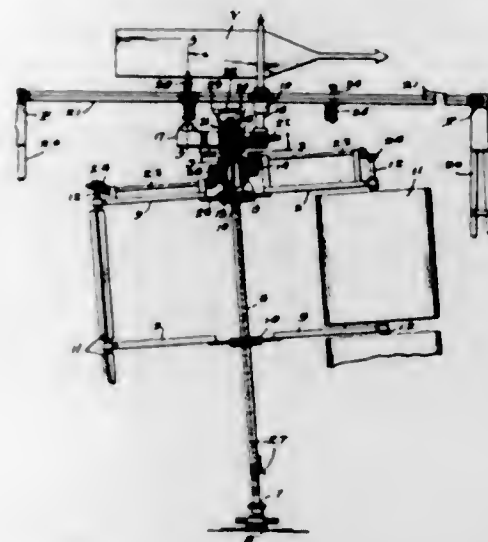
1. In a wind motor, a rotor, a plurality of circumferentially disposed wings mounted for independent rota-

tion on said rotor with their axes substantially parallel with the axis of said rotor, means for feathering all said wings during the movement of said rotor, including a



master driving element co-axial with said rotor, a plurality of widely spaced vanes connected with said master driving element for conjointly maintaining the position of the master driving element.

1,741,248. WIND MOTOR. Otto J. Nitardy, Minneapolis, Minn. Filed Mar. 19, 1928. Serial No. 262,644. 10 Claims. (Cl. 170-26.)

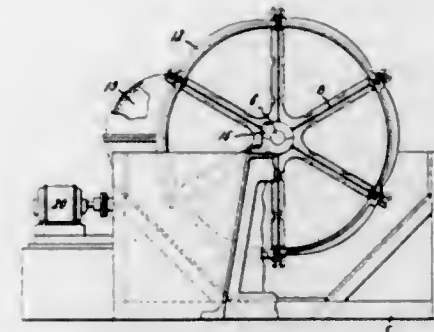


1. A wind motor comprising a rotor having a shaft inclined slightly from the vertical, the lower end of said shaft being connected with a vertical pivot member, the upper end of said shaft being rotatable in an eccentric mounting, said mounting having a vertical pivot axially aligned with said first mentioned pivot member, a plurality of wings mounted on said rotor, for independent rotation on axes parallel to the axis of said rotor, means for feathering said wings, including a master gear normally fixed to said eccentric mounting, whereby a change in direction of the wind will cause said mounting to swing, changing the position of said master gear, and connections between said master gear and said wings for controlling the positions of said wings.

1,741,249. ROTARY PICKLING MACHINE. Samuel T. Powell, New Kensington, Pa., assignor to General Electric Company, a Corporation of New York. Filed Feb. 10, 1928. Serial No. 253,441. 3 Claims. (Cl. 266-7.)

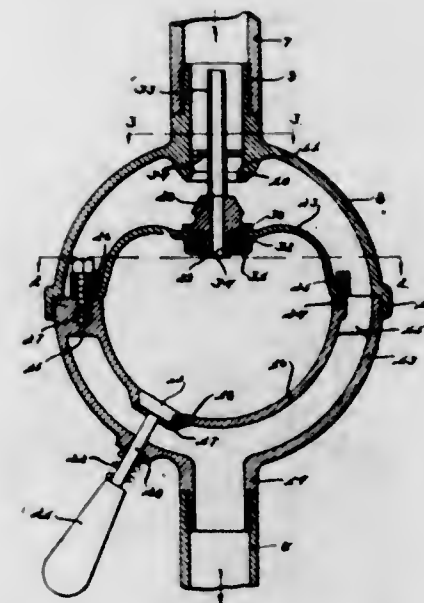
1. In a pipe-pickling machine, the combination of a tank containing a pickling agent, a rotor supported in such manner that a portion thereof is submerged in the agent, said rotor comprising a shaft and a pair of spaced

spiders, each of which has radially-disposed arms which define pockets in which the pipe is located, detachable



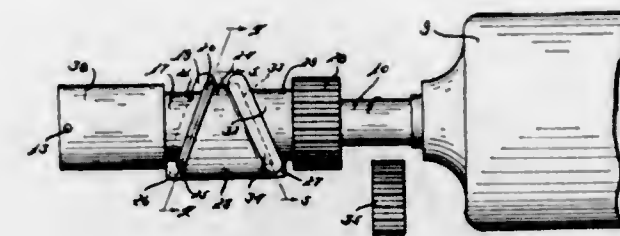
means for connecting the outer ends of the arms, means for limiting the endwise movements of the pipes within the pockets, and means for rotating the rotor.

1,741,250. SELF-CLOSING VALVE. Fritz Protzer, Detroit, Mich. Filed June 13, 1927. Serial No. 198,333. 1 Claim. (Cl. 137-93.)



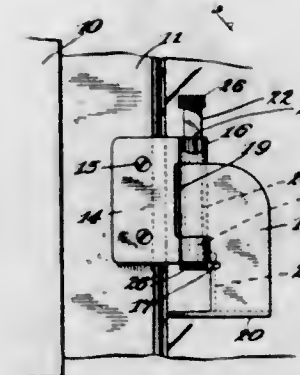
A valve of the class described comprising: a substantially spherical container having a pair of metallic sections threaded together at their open ends, one of said sections having an inlet opening and the other having an outlet opening; a valve seat extended inwardly of said container at said inlet opening; a substantially semi-spherical rigid metallic shell positioned within said container and formed integral with the section having the outlet opening and spaced therefrom; a plurality of ribs connecting said section and said shell adjacent their open ends; a substantially semi-spherical flexible shell positioned within said container and engaging at its edges the edges of said rigid shell; a ring engaging the edges of said flexible shell and clamping the same against the edges of said rigid shell; threaded members projected through said ring and through the edges of said flexible shell and threaded into said ribs for retaining said ring in clamping position; a valve mounted on said flexible shell and adapted upon distension of said flexible shell for engaging in said seat and closing communication of said container with said inlet opening, said flexible shell and said rigid shell forming an inner container normally in communication with said inlet opening, said first-mentioned container being normally in communication with said outlet opening; and a valve operable from the exterior of said container for controlling communication of said inner positioned container with said outlet opening.

1,741,251. STARTER MOTOR DRIVE. Walter C. Schneider, Detroit, Mich. Filed Apr. 25, 1928. Serial No. 272,648. 4 Claims. (Cl. 74-7.)



1. A device of the class described, comprising: a gear axially and rotatably mounted on a shaft; a cam bearing member axially and rotatably mounted on said shaft; means connected to said cam bearing member effecting axial movement of said gear upon rotation of said cam bearing member, and axial movement of said gear upon axial movement of said cam bearing member on said shaft; means rotatable in unison with said shaft; means connecting said means to said cam bearing member and effecting axial movement of the same upon rotation of said rotatable means; and means effecting rotation of said cam bearing member upon rotation of said rotatable means a predetermined amount.

1,741,252. WINDOW STOP. Michael Shapiro, Brooklyn, N. Y. Filed Aug. 9, 1928. Serial No. 298,414. 5 Claims. (Cl. 292-207.)

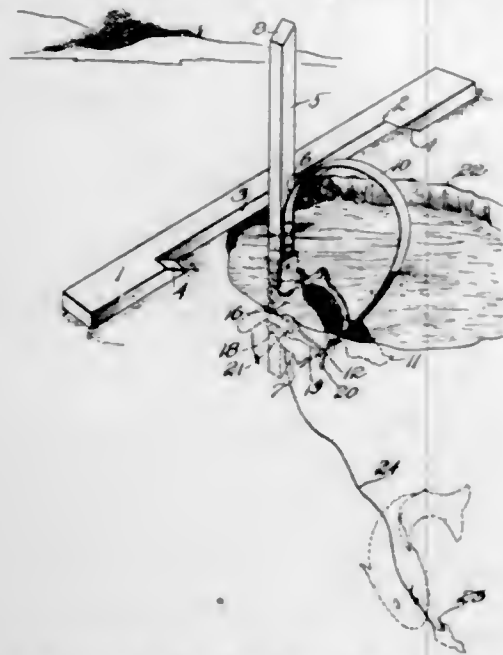


1. In a window stop, a bracket having spaced sockets with multisided bores, a stop member having a socket with a multisided bore, and a pin having multisided parts and parts of smaller cross section than the multisided parts, the said pin being slidable in the said sockets and in one position revoluble in the sockets of the bracket and in another position non-revoluble in the sockets of the bracket, the said pin being non-revoluble in the socket of the stop member whereby when the pin is in position to be revoluble in the sockets of the bracket the stop member is revoluble therewith and the pin is thus adapted to fixedly connect the stop member to the bracket in a plurality of positions in one of which the stop member is so placed as to permit the passage of the sash rails and in another of which the stop member limits the relative movement between the said sash rails.

1,741,253. FISHING TACKLE. Harland R. Skelton, Nantasket, and Timothy J. O'Brien, Hull, Mass. Filed Feb. 20, 1928. Serial No. 253,534. 5 Claims. (Cl. 43-17.)

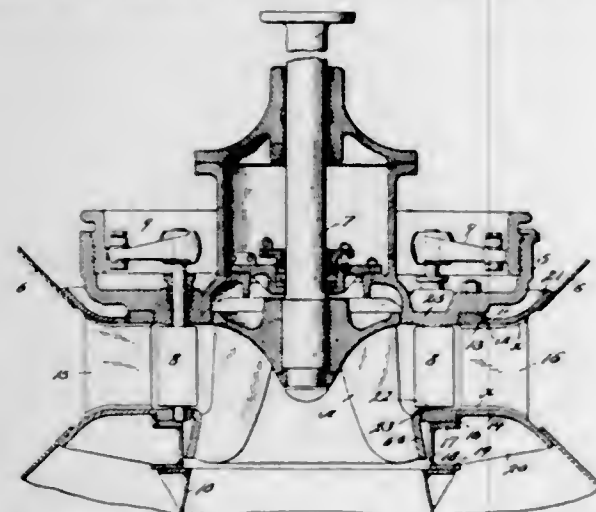
1. A fishing tackle comprising a base member adapted to rest upon the ice adjacent a hole formed therethrough;

a reel, a fishing line on said reel; a rigid arm connected with said base member and extending downward therefrom into said hole for supporting said reel in a position



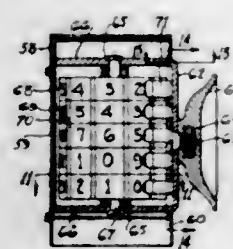
where it is submerged in the water, a signal mechanism carried by said arm and operated by the pull of a fish on said line.

1,741,254. PLATE-STEEL SPEED RING FOR HYDRAULIC TURBINES. HARALD SVERTSEN, York, Pa., assignor to S. Morgan Smith Company, Inc., York, Pa., a Corporation of Pennsylvania. Filed Sept. 16, 1927. Serial No. 219,972. 5 Claims. (Cl. 253-118.)



1. In a turbine installation, the combination with a casing, a runner mounted therein, a scroll and means for controlling the entrance of water to the runner, of upper and lower plates with outwardly curved ends secured to the scroll and having vanes fixed therebetween, a standard metal bar welded to the upper plate, a bottom plate associated with the lower plate, and a supporting structure below the bottom plate and the lower plate of the speed ring.

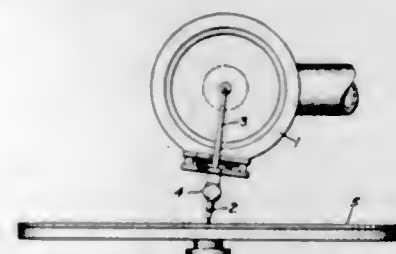
1,741,255. MILEAGE INDICATOR. THOMAS TAAFFE and ROBERT O. WELCH, Portland, Oreg.; said Welch assignor to said Taafe. Filed Apr. 28, 1928. Serial No. 273,590. 8 Claims. (Cl. 40-68.)



1. In a mileage indicator the combination of a frame, a shaft mounted in said frame, a plurality of dials mounted

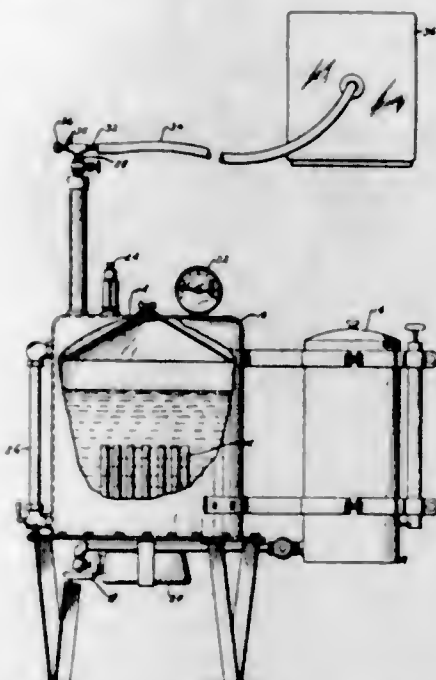
on said shaft operable independently of each other, spring detents for said dials for permitting movement of said dials, and a casing slidably mounted over said frame surrounding said dials whereby said detents will lock said dials against rotation when the casing is in position.

1,741,256. STYLUS FOR SOUND-REPRODUCING MACHINES. GEORGE F. TAYLOR, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 17, 1928. Serial No. 255,145. 9 Claims. (Cl. 274-38.)



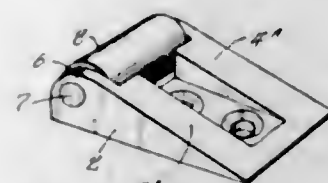
1. A stylus for sound reproducing machines, said stylus having a record engaging tip consisting mainly of an element of the sixth group of Mendelejeff's periodic table but containing an appreciable amount of carbon and an element of the iron group.

1,741,257. WALL-PAPER REMOVER. EDWARD J. THUENES, St. Louis, and GEORGE FRANKY, Maplewood, Mo. Filed Apr. 2, 1928. Serial No. 266,808. 7 Claims. (Cl. 216-8.)



1. A wall paper removing device comprising a hood, means for admitting steam to the hood, a metal trough extending completely about the periphery of the hood, and a deformable and reversible gasket seated within the trough for use in preventing the escape of steam from the hood.

1,741,258. STRIKER PLATE FOR DOOR LATCHES. ALBERT A. UTLEY, Oak Park, Ill., assignor to Standard Parts Corporation, Oak Park, Ill., a Corporation of Delaware. Continuation of application Serial No. 212,080, filed Aug. 10, 1927. This application filed Nov. 21, 1927. Serial No. 234,665. 1 Claim. (Cl. 292-340.)



In a door latch keeper, a body having an inclined surface, and a roller journaled on the body at the raised end

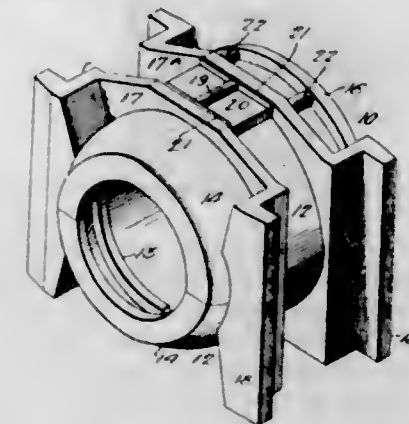
of the inclined surface and projecting outwardly beyond the inclined surface and beyond the adjacent end surface of the body, the inclined surface being located in a plane which passes through the roller nearer to the periphery of the roller than to the axis of the roller, the space between the inclined surface and the periphery of the roller being so small that a door latch bolt can engage the said inclined surface, and the periphery of the roller, at the same time.

1,741,259. CAN AND BOTTLE OPENER. JOHN VATTES, New York, N. Y. Filed Feb. 28, 1928. Serial No. 257,605. 3 Claims. (Cl. 30-3.)



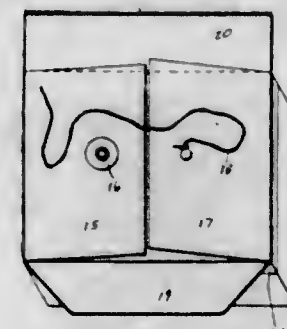
1. In a can opener, a collar for sliding on a stem body, and formed with longitudinal grooves, a slide with a knife, mounted in the grooves, a slide with a guide member, mounted in the said grooves, plates rigidly attached on the said slides, and a screw with a right and left hand threaded portion, threadedly engaged in the plates for simultaneously moving the knife and guide member away or together upon rotation.

1,741,260. AXLE BOX. CHARLES PARRY VAUCLAIN, Drexel Hill, and FRANK E. MERKLINGER, Philadelphia, Pa. Filed Apr. 2, 1929. Serial No. 351,959. 9 Claims. (Cl. 105-224.)



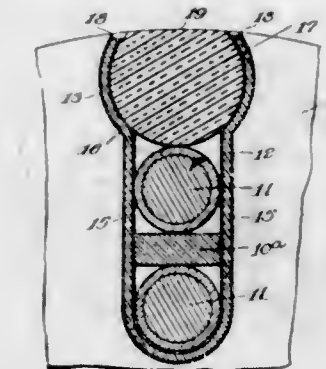
7. An axle box having a wrought metal body portion cylindrical in form; and rings encircling the body portion and secured thereto.

1,741,261. PAPER BOX. INA H. VONNEGUT, Indianapolis, Ind. Filed May 14, 1928. Serial No. 277,572. 3 Claims. (Cl. 229-46.)



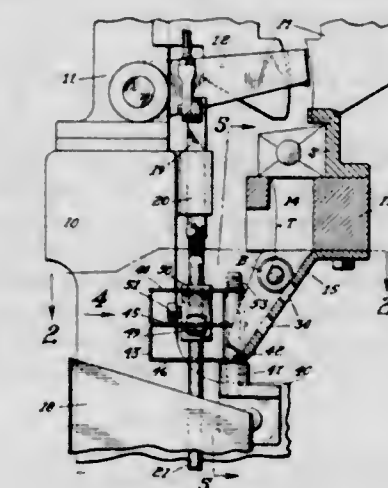
3. A box of the character described comprising a pair of inner flaps and a pair of outer flaps adapted to overlap the inner flaps when said box is in original closed position, means for originally securing said flaps in closed position, and means connected with said inner flaps adapted to be utilized for breaking the original seal and thereafter secure said inner flaps together over said outer flaps.

1,741,262. ARMATURE CONSTRUCTION. HENRY H. WAIT, Chesterton, Ind. Filed Mar. 30, 1927. Serial No. 179,406. 15 Claims. (Cl. 171-206.)



1. In a dynamo-electric machine, a laminated core comprising a plurality of disks, each having angularly spaced radial slots extending inwardly from its periphery, the edge of said disk at the inner end of each slot being in the form of the arc of a circle said disk having edges at the sides of said slot tangent to said arc and merging with an enlarged circular portion of the slot at the outer end thereof, a conductor in said slot, and a wedge of substantially cylindrical cross section in said portion for retaining said conductor.

1,741,263. THREAD CLEARER FOR WEFT REPLENISHING LOOMS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 14, 1928. Serial No. 277,542. 12 Claims. (Cl. 139-261.)

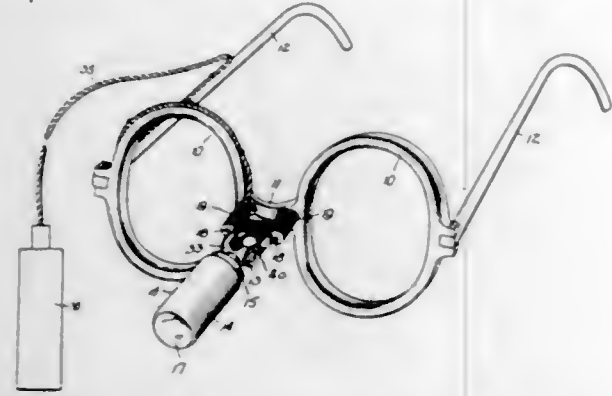


1. In a thread clearer for a loom, transfer mechanism to expel a depleted bobbin, a lay, a member having a regular movement after the transfer mechanism has operated and when the lay is substantially in its foremost position, a chute secured to the lay and positioned to guide the expelled bobbin, and movable means engaged and set in motion by the member when the lay is substantially in its forward position, said means moving toward the chute and cooperating with the same to withdraw the thread of the expelled bobbin.

1,741,264. HEAD LAMP. OTTO WAPPLER, Philadelphia, Pa. Filed Aug. 20, 1925. Serial No. 51,359. 12 Claims. (Cl. 240-2.)

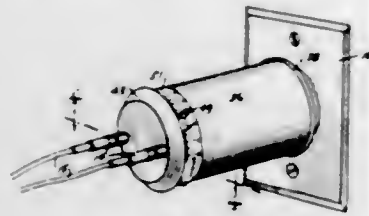
1. A head lamp device comprising a foldable spectacle frame, a tubular casing, a lamp socket in said casing, a journal portion axially aligned with said tubular casing and behind said socket, means for mounting said journal universally upon the medial portion of the spectacle frame so that the casing may be made to project outwardly therefrom, means for establishing electrical connection

between an external source of energy and said socket through said journal, a fixed contact associated with the mounting means, and a contact carried by the journal and cooperating with said fixed contact when the casing is moved, said journal contact including an insulator pre-



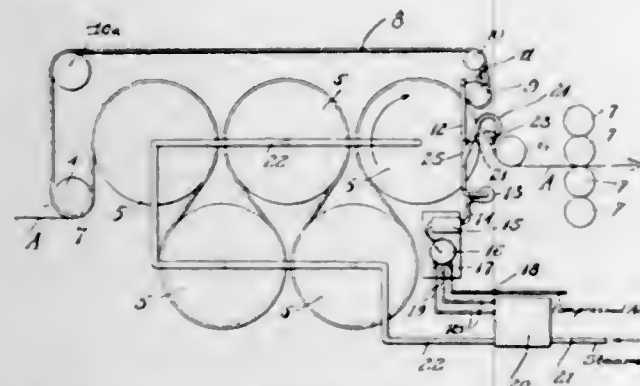
determinedly positioned to encounter the fixed contact and thereby automatically disconnect said electrical connection when the casing is moved.

1,741,265. TRANSFORMER. FREDERICK CHARLES WADSWORTH, New York, N. Y. Filed Mar. 16, 1927. Serial No. 175,687. 12 Claims. (Cl. 175-361.)



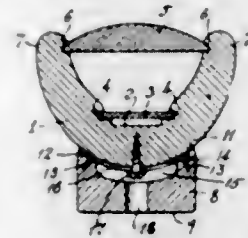
1. For use with an electric outlet box having a pair of openings therein, a transformer device which includes a core comprising a rectangular loop, circular end discs mounted in parallel planes upon opposite ends of the loop with said ends arranged along diameters of said discs, windings associated with said core; a casing comprising a tubular body portion enclosing said core and discs, and ends for said body portion; a pair of terminals extending from each of said ends, each pair being electrically connected with a predetermined winding within the casing; and means for securing said terminals to said ends, said means serving at the same time to secure said ends to respective discs; one of said pair of terminals comprising spaced contact prongs designed for insertion into the outlet box openings.

1,741,266. MOISTURE INDICATION AND CONTROL. GEORGE S. WITHAM, JR., Hudson Falls, N. Y. Filed Apr. 30, 1926. Serial No. 105,680. 2 Claims. (Cl. 73-24.)



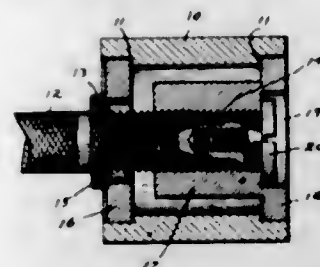
1. In a method of determining the moisture condition of a web of paper or the like moving into and out of contact with a drier felt, which consists in directing a current of gas into intimate contact with a portion of the said drier felt near where the latter and the web get out of contact with each other and subsequently determining the moisture condition of the gas.

1,741,267. TICKER ATTACHMENT. WILLIAM A. ZWICKE, Ozone Park, N. Y., assignor to Richard A. Rutherford Co., Inc., New York, N. Y., a Corporation of New York. Filed July 13, 1928. Serial No. 292,417. 3 Claims. (Cl. 88-39.)



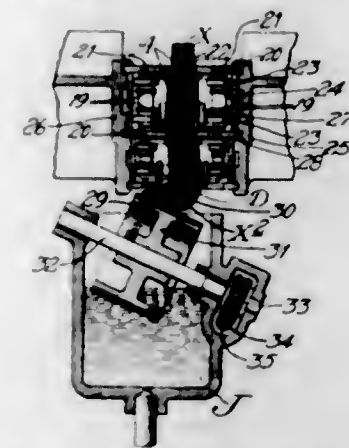
1. A ticker magnifier comprising an elongated U-shaped body member having a bottom with a curvature approximating that of a part of a cylinder, a base block having a concave top curved to fit the cylindrical bottom of the body member and adapted to support said body member in a tiltable manner, a tape-carrying member formed in the inside of said U-shaped body member and extending from end to end thereof, a strip of plain glass seated in a slot over said tape-carrying member, and magnifying means mounted adjacent to the open end of said U-shaped body member for magnifying ticker tape located in said tape-carrying member.

1,741,268. TUBULAR GAUGE. ERIK H. ALDERBORGH, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y., a Corporation of New York. Filed Jan. 30, 1929. Serial No. 336,104. 2 Claims. (Cl. 33-178.)



2. A tubular gauge of the class described, comprising in combination with a handle provided with external threads and an internal threaded bore at one end, and a straight tubular gauging member, of a pair of centering and mounting members adapted to be engaged by the ends of said tubular gauging member, and means for securing the same to said handle comprising a screw engaging one of said mounting members and threaded into the internal threaded bore of said handle, and a ring forming a shoulder for the other mounting member and secured upon the external threaded portion of said handle.

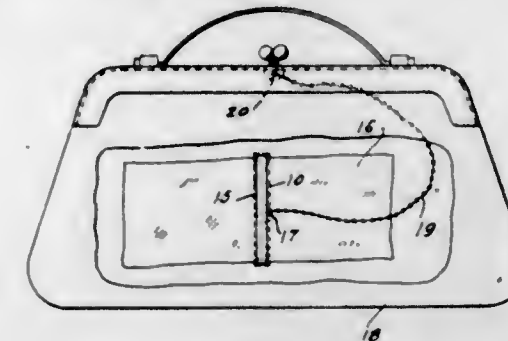
1,741,269. GLUING MECHANISM FOR BOOKBINDING MACHINES. HARLEY C. ALGER, Chicago, Ill., assignor to R. R. Donnelley & Sons Co., Chicago, Ill., a Corporation of Illinois. Filed May 28, 1927. Serial No. 195,008. 10 Claims. (Cl. 91-51.)



1. In a bookbinding machine, means for gripping and carrying forward books to be bound, means for fanning an

edge of said books as they pass through said machine, and means for applying an adhesive to said edges while so fanned.

1,741,270. PAPER-CURRENCY HOLDER. SIMON ALTMAN, Bronx, N. Y. Filed Jan. 24, 1929. Serial No. 334,675. 3 Claims. (Cl. 150-47.)



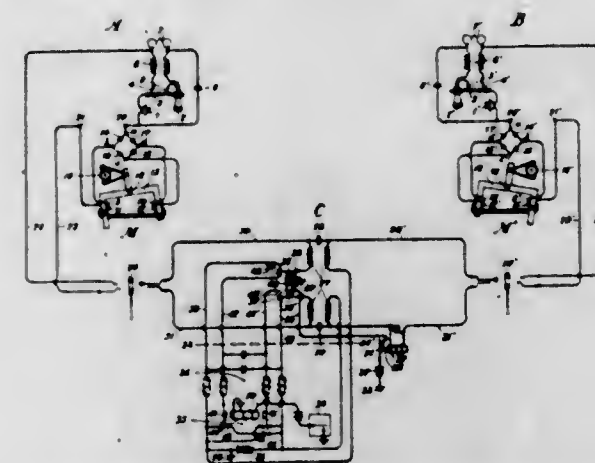
1. Paper currency holder comprising a plate, shoulders formed at the ends of said plate by slotting its material longitudinally and transversely, and an elastic means held beneath said shoulders for pressing a plurality of bills firmly against said plate at both sides thereof to protect the same against loss and surreptitious removal while allowing a ready removal of a bill or bills for use.

1,741,271. CHAIN. ARTHUR H. BARROWMAN, Attleboro, Mass., assignor to J. M. Fisher Company, Attleboro, Mass., a Corporation of Rhode Island. Filed Aug. 11, 1928. Serial No. 298,967. 5 Claims. (Cl. 50-80.)



1. A chain comprising a series of connected links, each comprising a body with a functionally rigid projection on one end and a recess on the other end to receive the projection of the next link by suitable manual manipulation to detachably connect adjacent links together, and a flexible member secured to said body and positioned to partially close said recess to prevent detachment of the links, said member yielding under suitable manipulation to permit withdrawal of said projection from said recess.

1,741,272. TELEPHONE SYSTEM. HENRY M. BASCOM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 30, 1928. Serial No. 322,729. 9 Claims. (Cl. 179-11.)



1. In a measuring device having terminals, a plurality of windings connected between said terminals and adapted to be energized, a plurality of unidirectional elements arranged in Wheatstone bridge fashion between said terminals and said windings and adapted to control the direc-

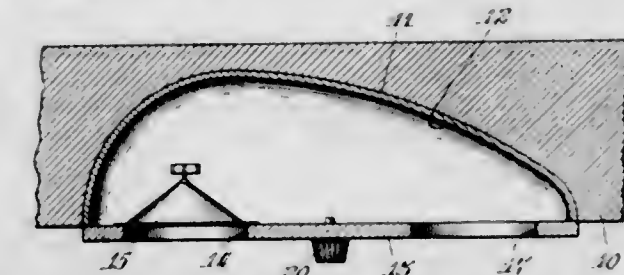
tion of current flow through said windings, certain of said windings being inductively related to one another and adapted to be successively series aiding and series opposing, and the remainder of said windings being inductively related to one another and adapted to be successively series opposing and series aiding when the direction of current flow through said terminals is varied, and means under the influence of said windings for determining the number of times said windings become series aiding.

1,741,273. MANUFACTURE OF EXPANDED-METAL STRUCTURES. ALBERT J. BATES, JR., Chicago, Ill., assignor to Bates Expanded Steel Truss Company, East Chicago, Ind., a Corporation of Delaware. Filed Mar. 26, 1928. Serial No. 264,706. 5 Claims. (Cl. 164-6.6.)



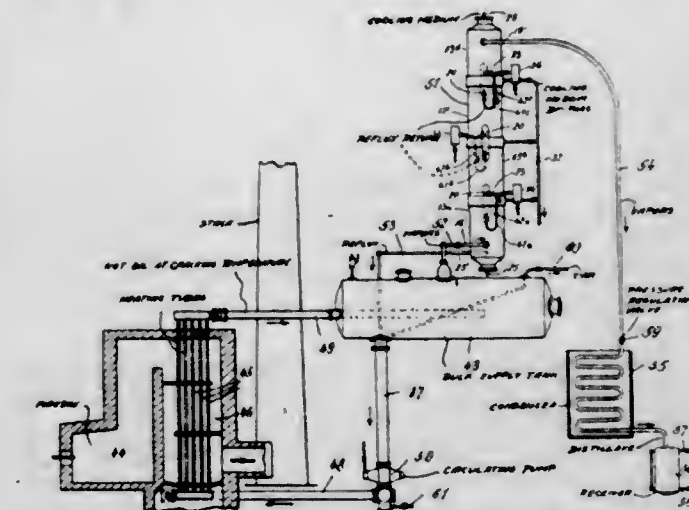
1. That improvement in the manufacture of expanded metal structures which consists in slitting zones of the web of a flanged beam to render the beam expandable into structures including diagonal truss members, and differentially slitting the portions of the web between said zones to form suitable end parts for the structures; expanding the slitted beam; and severing the beam transversely through the slitted portions of the web that form the end parts in order to form separate, expanded structures.

1,741,274. RADIO REPRODUCER. LE ROY C. BAUMANN, Chicago, Ill. Filed Mar. 6, 1929. Serial No. 344,718. 5 Claims. (Cl. 181-31.)



5. The combination with a wall having a pocket therein, of a panel for closing the front side of the pocket, said panel having therein a pair of widely spaced openings communicating with the pocket, a cone speaker arranged in one of the openings, and screens closing the openings.

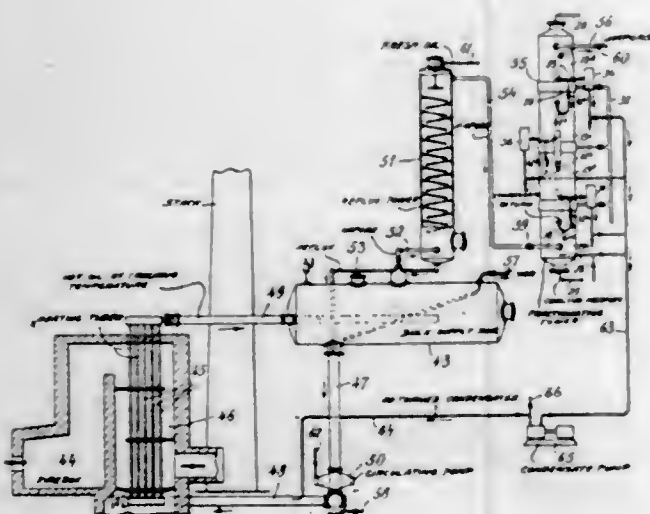
1,741,275. PROCESS OF FRACTIONATING VAPORS FROM PRESSURE STILLS AND THE LIKE. JOHN E. BELL, Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed Mar. 24, 1924. Serial No. 701,396. 1 Claim. (Cl. 196-48.)



The improvement in the operation of pressure stills which comprises distilling oil under pressure at a crack-

ing temperature, passing the vapors therefrom successively through a series of separate condensing chambers under substantially the pressure prevailing in the still, passing a cooling fluid through the condensing chambers counter-current to the vapors and in indirect heat exchanging relation with the vapors therein, separately collecting the condensate in each of the chambers, controlling the condensation in the condensing chambers by refluxing part of the condensate from chambers at lower temperatures to chambers at next higher temperature, separately controlling the condensation in the chambers by by-passing regulated portions of the cooling fluid around the chambers, and returning the condensate from at least one of said condensing chambers directly to the pressure still.

1,741,276. OPERATION OF PRESSURE STILL. JOHN E. BELL, Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed Mar. 24, 1924. Serial No. 701,397. 10 Claims. (Cl. 190-48.)

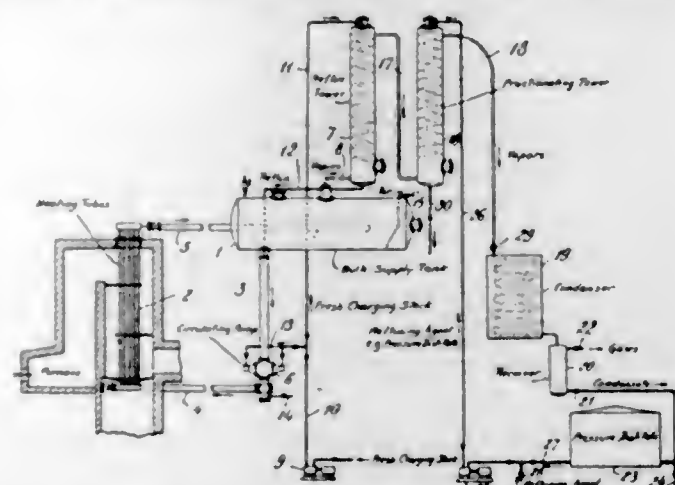


1. The improvement in the operation of pressure stills which comprises heating the oil under pressure at a cracking temperature, passing the vapors generated thereby through a path of restricted cross-section to a separate refluxing zone, controlling the refluxing operation in said separate refluxing zone by passing fresh feed oil for the still in direct contact with and counter-current to the flow of vapors therein, passing the remaining vapors through a series of condensing chambers maintained at progressively lower temperatures, cooling the vapors in said condensing chambers by passing a cooling fluid having a temperature only slightly lower than that of the vapors being cooled in indirect heat exchanging relation with and counter-current to the vapors in said condensing chambers, controlling the condensation in the said condensing chambers of higher temperature by returning in part the reflux condensate from condensing chambers of lower temperatures, and returning reflux condensate admixed with fresh oil from the first named refluxing operation to the pressure still.

1,741,277. ART OF CRACKING HYDROCARBONS. JOHN E. BELL, deceased, Brooklyn, N. Y., by Lola R. Bell, executrix, Brooklyn, N. Y., assignor to Sinclair Refining Company, New York, N. Y., a Corporation of Maine. Filed Jan. 22, 1925. Serial No. 3,987. 2 Claims. (Cl. 190-48.)

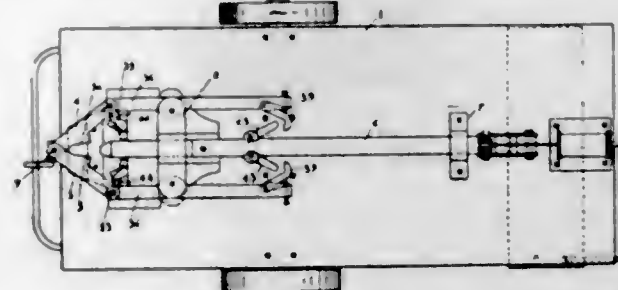
1. An improved method of cracking gas oil for the production of gasoline, which comprises heating a body of gas oil at the cracking temperature by circulating oil from the body through heating tubes and back to the body and distilling off vapors generated thereby under pressure, subjecting the vapors from the distilling operation to a refluxing operation in direct contact with fresh gas oil charging stock, returning the reflux and admixed

gas oil constituents to the distilling operation, subjecting the vapors from the refluxing operation to a fractionating operation in direct contact with an oil containing gasoline constituents, withdrawing an intermediate condensate including kerosene constituents from the fractionating operation whereby the boiling range of the con-



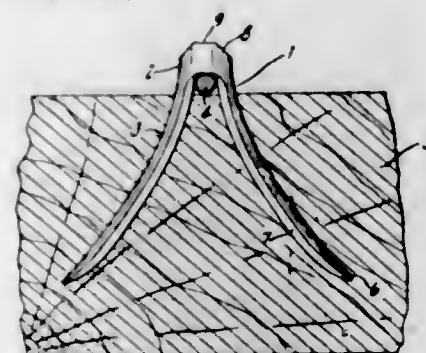
densates returned to the distilling operation is restricted, withdrawing the gasoline constituents from the fractionating operation as vapors and condensing them, and supplying part of the condensate so produced to the fractionating operation as the oil containing gasoline constituents.

1,741,278. STRAIGHTENING-DIE CONSTRUCTION. LOUIE BORTKEWICZ, Raccoon Station, Pa. Filed July 25, 1927. Serial No. 208,076. 1 Claim. (Cl. 76-5.)



In a forging machine comprising two actuating arms pivoted part way of their length and including means operably adjacent the inner ends of said arms to oscillate the same, together with pivotally interconnected die-carrying arms pivotally mounted on the outer ends of said actuating arms, the pivotal interconnection of the die-carrying arms lying beyond the die faces carried thereby and lying beyond the points of pivotal connection of said die-carrying arms to said actuating arms.

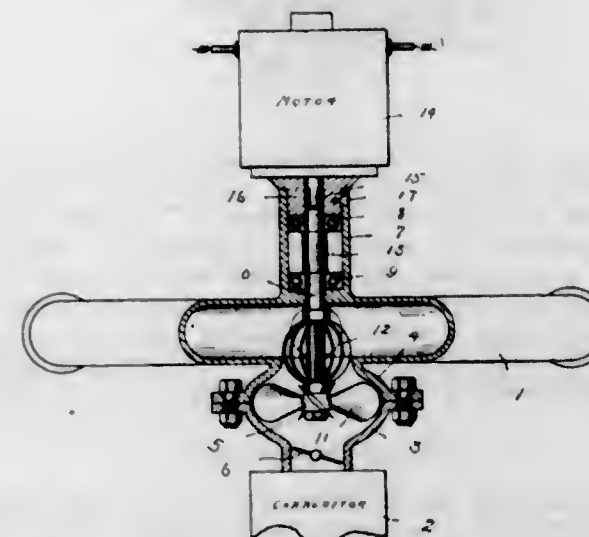
1,741,279. STAPLE. WILLIAM C. BOWMAN, Hayward, Calif. Filed Apr. 20, 1927. Serial No. 185,283. 1 Claim. (Cl. 85-49.)



A staple comprising a driving head provided with a striking portion and side surfaces converging from the periphery of the driving head toward the striking portion; and legs extending from the driving head in a spaced relation to each other, the striking portion of the driving

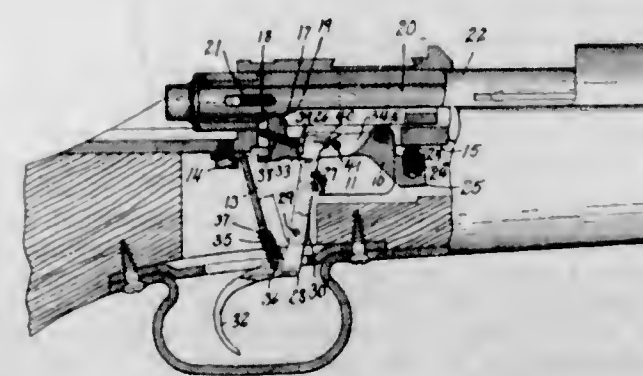
head being aligned with the spacing between the legs, each leg being somewhat flattened and on its inside provided with converging surfaces forming a wedge, and each leg also having a pointed end bent outward, as, and for the purpose, set forth, the whole staple presenting a general cylindrical shape.

1,741,280. GAS MIXER. WILLIAM R. BREWER, Duluth, Minn. Filed Nov. 19, 1927. Serial No. 234,427. 4 Claims. (Cl. 48-180.)



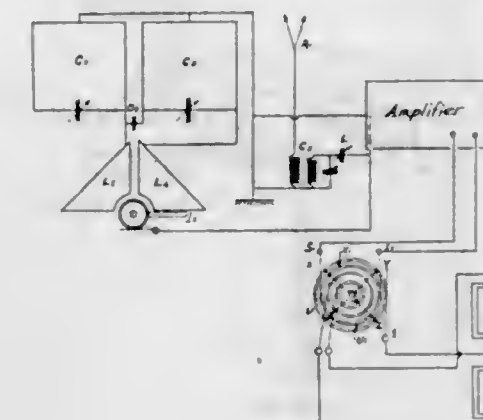
1. In combination, a chamber installable intermediate of the carburetor and intake manifold of an internal combustion engine, a shaft extending axially of and terminating within said chamber, a suction and charging fan on said terminal of the shaft within the chamber, an open cage-like agitator on said shaft adjacent said fan, a portion of said agitator extending within the chamber and a portion within the manifold, and means for rotating said shaft.

1,741,281. TRIGGER MECHANISM FOR FIREARMS. FRANK F. BURTON, Mount Carmel, Conn., assignor to Winchester Repeating Arms Co., New Haven, Conn., a Corporation of Delaware. Filed Apr. 22, 1929. Serial No. 356,984. 2 Claims. (Cl. 42-69.)



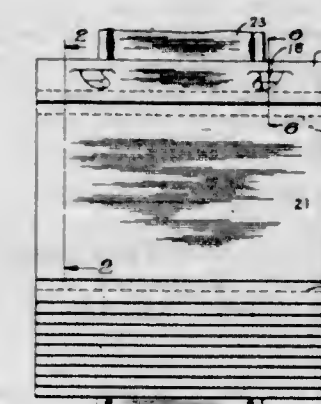
1. In a bolt-action firearm, the combination with a vertically-slotted sear pivoted at its forward end in the firearm structure; of a firing-pin formed in its underside with an inclined cam-like latching-shoulder adapted to be engaged by a portion of the said sear and to cam the same into its releasing position; and a pivotal trigger having its upper end extended into the slot in the said sear and provided with a shoulder adapted to underlie a portion of the said sear to releasably hold the same in engagement with the latching-shoulder of the said firing-pin against the counter-urge of the firing-pin spring.

1,741,282. RADIO DIRECTION FINDER, HERTZIAN COMPASS, AND THE LIKE. HENRI BUSIGNES, St. Cloud, France. Filed Feb. 18, 1927. Serial No. 169,310, and in France Feb. 20, 1926. 8 Claims. (Cl. 250-11.)



1. In a radio direction finder having a pair of perpendicularly arranged coil antennae operatively associated with correspondingly arranged galvanometric coils carrying a pointer, the combination of a common amplifier, and means for connecting each coil antenna to its corresponding galvanometric coil in alternate succession through the common amplifier.

1,741,283. RECORD CARD OR LIKE MEMBER FOR INDEXES OR FILES. CHARLES S. CAMPBELL and ALFRED E. HUNT, New Haven, Conn., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,819. 9 Claims. (Cl. 129-16.)

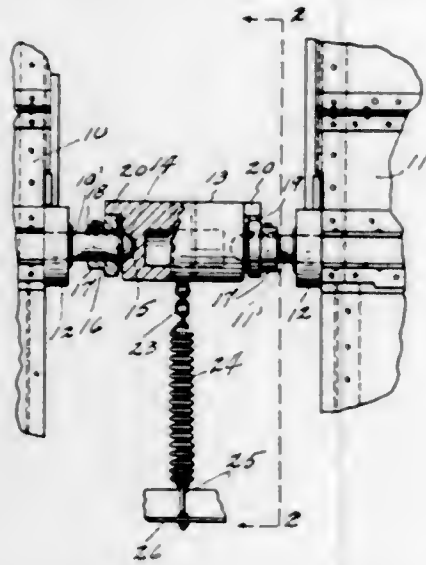


1. In an index or file, a support including a strip having offset edge flanges and a plurality of reference members adapted to be secured on said support, each of said reference members comprising a stub portion having tongues formed from the body thereof to engage said offset edge flanges, and a book section comprising a group of reference-bearing leaves hinged to said stub portion.

1,741,284. PRESS-BOX-DOOR COMPENSATOR. LEON W. CAMPBELL, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed May 11, 1928. Serial No. 277,023. 9 Claims. (Cl. 100-19.)

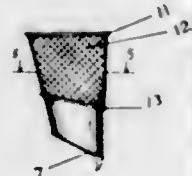
1. In a press box door compensator, the combination with the hinge shafts of the press box doors, of a rotatable

body connected with said shafts, means connected with each shaft for independently rotating the body when a



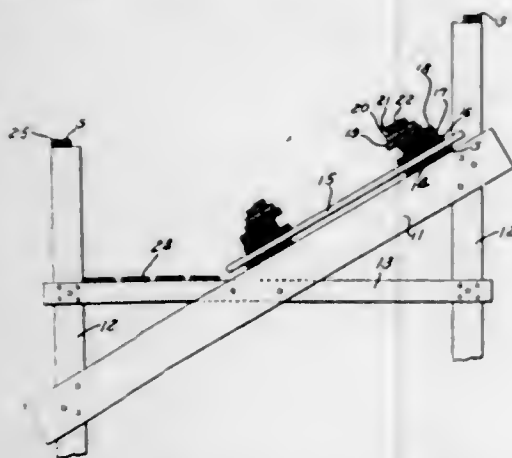
door is opened, and a compensating member attached to the body for countering the rotation of said body to compensate the downward swing of the opened door.

1,741,285. PICK FOR MUSICAL INSTRUMENTS. RICHARD J. CARPENTER, Oakland, Calif. Filed May 6, 1925. Serial No. 28,403. 1 Claim. (Cl. 84-322.)



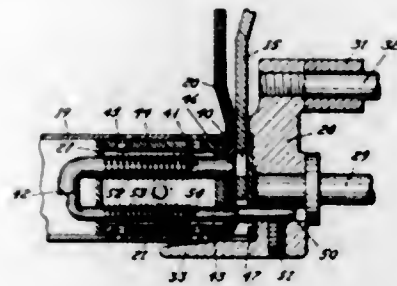
A pick for musical instruments comprising a conical shaped resilient sleeve for firmly gripping a finger, the outer end of said sleeve being cut for forming an acute angle with a portion of the side wall of the sleeve, whereby the portion of the sleeve adjacent to the acute angle forms a pick; the sleeve being so rolled that the joining edges thereof slidably overlap each other; and a friction lining disposed on the inside of said sleeve.

1,741,286. LAMINATED CONSTRUCTION FOR ROLLER-COASTER TRACKS. FREDERICK A. CHURCH, Venice, Calif. Filed May 18, 1925. Serial No. 31,019. 9 Claims. (Cl. 104-63.)



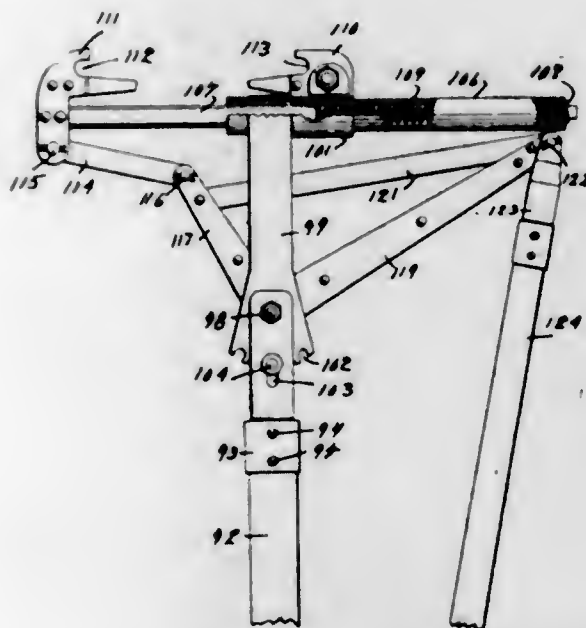
1. In a track organization of the general character described: a track-supporting structure; and a sub-track supported thereby comprising assembled lamination elements substantially square in cross-sectional outline.

1,741,287. TUBE FRAME FOR AXMINSTER LOOMS. EVERETT E. CLARK, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 8, 1928. Serial No. 288,927. 9 Claims. (Cl. 139-10.)



1. In an Axminster loom, a transporting chain, a yarn tube frame, an attaching member permanently secured to the chain and extending therefrom, a yielding locking means carried by the tube frame to engage the attaching member on the chain, and additional means out of alignment with the attaching member and outside the periphery of the attaching member and moving with the locking means to be engaged for the purpose of moving the locking means to unlocking position relatively to the attaching member.

1,741,288. COME-ALONG-OPERATING DEVICE. CHESTER C. COON and HERBERT H. MINOR, Fresno, Calif.; said Minor assignor to said Coon. Filed July 20, 1925. Serial No. 44,784. 11 Claims. (Cl. 81-3.)

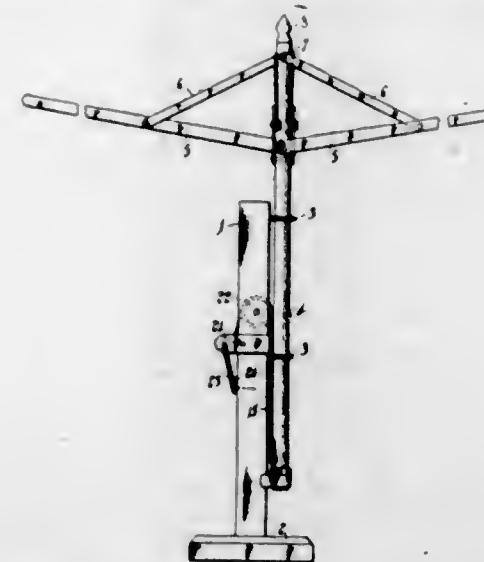


1. An operating device of the character described, comprising a pair of coacting jaws, supporting elements for the same arranged one slidable relative to the other, a long handle extending transversely from one of the elements, a link extending from said handle having a second handle pivoted to the free end thereof, and an operative connection between said free end and the second element allowing the second jaw to be urged toward the first jaw by manipulation of the second handle.

1,741,289. CLOTHES DRIER. WILLIAM J. COULTER, Toronto, Ontario, Canada. Filed July 8, 1929. Serial No. 376,727. 4 Claims. (Cl. 211-166.)

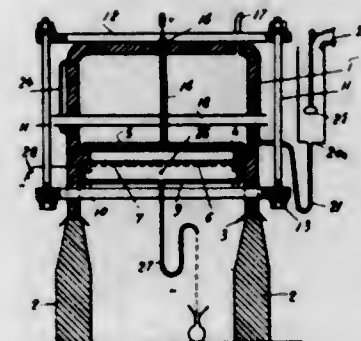
1. In a clothes drier, the combination of a post; a spindle revolvably and slidably mounted on the post; and a step hanger for the spindle comprising a step bearing on which the spindle is revolvably mounted and a clamp member clamped about the step bearing, said clamp mem-

ber being formed with a lug adapted to engage a side of the post to prevent the hanger turning and with a lug adapted for the connection of a lifting cable, the last



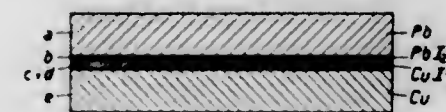
mentioned lug being extended to contact with the post to co-operate with the first mentioned lug in preventing the turning of the step bearing.

1,741,290. APPARATUS FOR ELECTROLYZING CHIEFLY ALKALINE CHLORIDES. ANDRÉ PAUL HENRI DUPRE, Thiais, France. Filed Dec. 7, 1926. Serial No. 153,150, and in France Mar. 16, 1926. 4 Claims. (Cl. 204-58.)



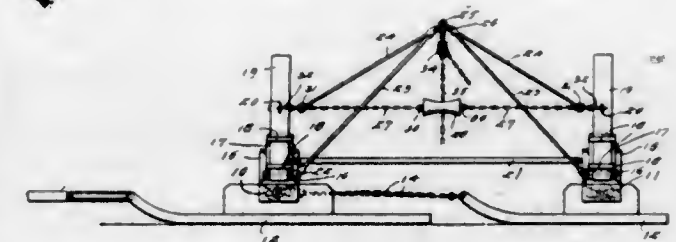
1. An electrolyzing apparatus comprising a stationary anode bell, posts on which the said bell is fixed and forming a lower extension of the bell, anodes inside the bell, a cathodic vat, means for removably securing said vat inside and at the lower part of said bell under the anodes, a cathode over said vat, a diaphragm over the cathode and under the anodes, an electric supply and means for connecting said supply respectively with the anodes and with the cathode.

1,741,291. CURRENT RECTIFIER. ERNST FRIEDERICH and WILFRIED MEYER, Berlin, Germany, assignor to Patent-Treuhand-Gesellschaft fuer Elektrische Gluehlampen m. b. H., Berlin, Germany. Filed Sept. 18, 1928. Serial No. 306,679, and in Germany Sept. 30, 1927. 3 Claims. (Cl. 175-318.)



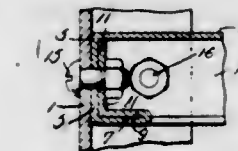
1. A dry, surface-contact current rectifier, comprising a conductive layer of cuprous iodide containing free iodine, a lead plate and an intermediate poorly conductive layer of lead iodide.

1,741,292. LOGGING APPLIANCE. THOMAS GILMET, Pierrefield, N. Y. Filed Mar. 26, 1929. Serial No. 350,070. 6 Claims. (Cl. 254-135.)



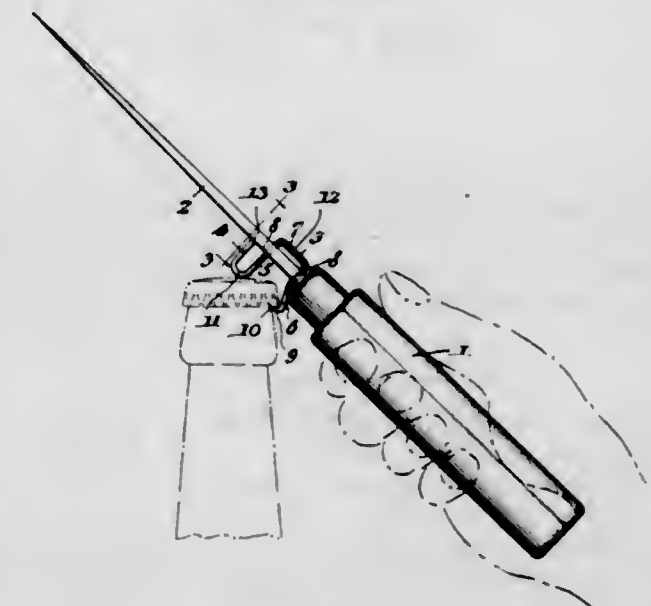
1. In combination with a logging vehicle including spaced supports for logs and uprights extending upwardly from said supports at one end thereof, a sheer structure including two pairs of links of different lengths, the shorter link of each pair being secured to an upright and the longer link thereof to the support associated with the upright, the opposite ends of said links being connected to one another, a sheave supported at the junction of the links and adapted for the passage of a logging chain, and means connecting said uprights to prevent separation thereof.

1,741,293. METAL SHELVING. SAMUEL GOLDBERG, New York, N. Y., assignor to Universal Fixture Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 2, 1929. Serial No. 343,999. 8 Claims. (Cl. 211-135.)



8. A sheet metal shelf provided with a reinforcing structure extending along one edge thereof integrally formed therewith from a single blank of sheet metal and comprising a double-ply sheet metal beam formed by a margin of the blank and comprising a double-ply lower horizontal flange and a double-ply vertical web, the inner side of the beam being open and in channel form to receive fastening means, whereby the fastening means may bear directly against the double-ply vertical web of the double-ply beam and lie within the channel.

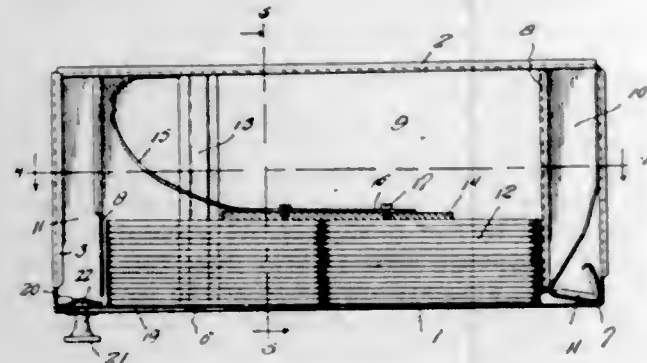
1,741,294. BOTTLE-CAP LIFTER. CHARLES W. HALSEY, Evansville, Ind. Filed Oct. 15, 1928. Serial No. 312,629. 1 Claim. (Cl. 65-46.)



The combination with an implement, of a cap lifter comprising three connected clamping members, two of

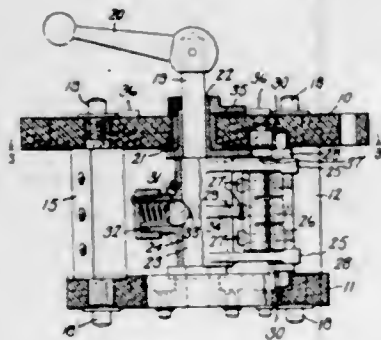
which have holes to receive the implement, the third member also bearing against the implement and causing the margins of the said holes to frictionally engage the said implement to hold the cap after thereon.

1,741,295. DISPENSING CABINET FOR TONGUE DEPRESSORS. ALBERT J. HABERER, Ann Arbor, Mich. Filed Mar. 8, 1929. Serial No. 345,374. 3 Claims. (Cl. 312-67.)



1. In a dispensing cabinet, a casing adapted to receive a stack of articles, said casing being formed with a discharge slot through which the articles are ejected one at a time, a spring gate normally closing the slot, said gate being adapted to be moved to uncover the slot by each article ejected from the casing, and embodying a strip of spring metal attached at its upper end to the front wall of the casing and having its lower end portion bent into substantially triangular formation to present an outer lower corner portion normally seated in said discharge slot and means for ejecting the articles singly through said slot.

1,741,296. ELECTRIC SWITCH. ALLAN B. HENDRICKS, Jr., Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 3, 1928. Serial No. 267,109. 7 Claims. (Cl. 200-8.)

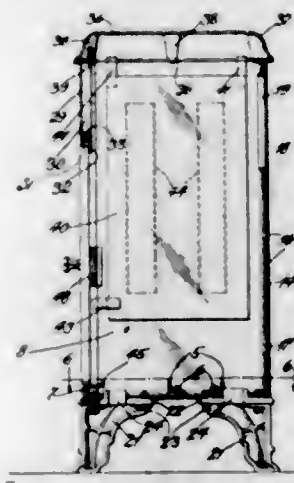


1. A switch including a shaft, a plurality of fixed contacts spaced about said shaft, a connector for said contacts, means frictionally driven by said shaft for moving said connector between contact making positions, and means for guiding said connector between contact making positions.

1,741,297. STOVE CASING. HERMAN HERRENBRUCK, Belleville, Ill., assignor to Orbon Stove Co., Belleville, Ill., a Corporation of Delaware. Filed June 6, 1928. Serial No. 283,185. 13 Claims. (Cl. 126-67.)

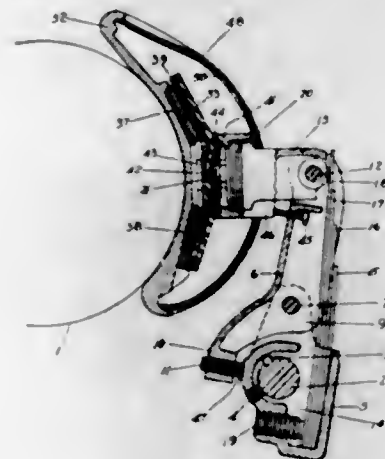
1. A stove casing comprising a rigid lower end frame, a rear wall and lateral side walls seated against the rear and lateral sides of said frames respectively, a flange on the lower end of each of said walls extending under said frame, supporting legs having their upper ends engaging said flanges, fasteners passing through the upper

ends of said legs and through said flanges and through said frame and securing in rigid relationship said walls



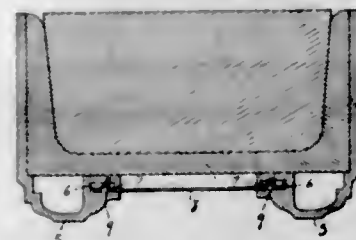
and said frame and said legs, and a top wall attached to the upper ends of said rear and lateral side walls and holding the upper ends of said walls in rigid relationship.

1,741,298. SHOE MOUNTING FOR IRONING MACHINES. HERMANN HILL, Detroit, Mich., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of Delaware. Filed Aug. 29, 1928. Serial No. 302,767. 6 Claims. (Cl. 68-9.)



6. Means for mounting an ironing shoe on an ironing machine comprising a rocker arm with means for actuating the same, a bracket pivotally carried on the free end of the rocker arm, a member having some resiliency held to one end of the bracket, a plate having means for attachment to a part of the shoe, means for loosely anchoring said member to said plate, a member carried by the shoe and having a depression therein, and another member having a raised portion thereon adapted to register with said depression, said last mentioned member loosely fitting on said plate.

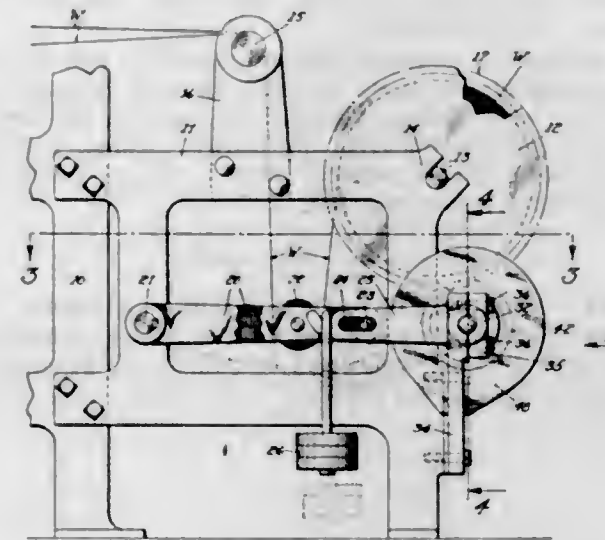
1,741,299. BUILDING MATERIAL. FRED HIMMEL and ISIDORE HIMMEL, New Haven, Conn., assignors to The Himmel Brothers Co., New Haven, Conn., a Corporation. Filed Feb. 7, 1929. Serial No. 338,094. 3 Claims. (Cl. 189-85.)



1. Building material of the character described, comprising a molding-strip formed in one side with a longitudinal

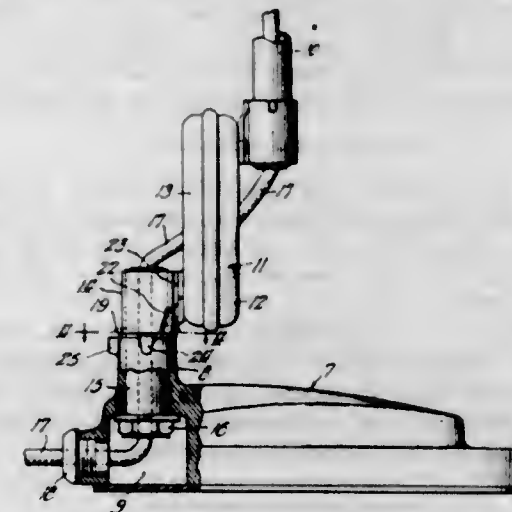
tudinal slot combined with a panel-plate thinner than the width of the slot and formed near one side with an inwardly-extending bend adapted to enter the slot in the molding-strip and contact with the rear wall of the slot, whereby the outer face of the panel is held against the outer wall of the slot.

1,741,300. LET-OFF FOR LOOMS. ELLERIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 6, 1928. Serial No. 244,949. 9 Claims. (Cl. 139-109.)



1. In a let-off motion for a loom having a warp beam pivotally mounted in fixed bearings and a whip roll in substantially fixed position, an auxiliary roll under which the warp threads pass, levers moving about a fixed pivot to support said auxiliary roll, a plurality of friction elements each having a friction surface, one of the elements being operatively connected to but mounted independently of and out of contact with the warp beam, a fixed screw, an arm threaded on the screw and having operative contact with one of the levers which support the auxiliary roll, and means to cause said arm to move along the screw to increase or reduce the friction between said elements to offer varying degrees of resistance to the movement of the beam.

1,741,301. LIGHTING FIXTURE AND THE LIKE. DONALD HOLT, Chicago, Ill., assignor to Edward Holt Company, Chicago, Ill., a Corporation of Illinois. Filed May 14, 1928. Serial No. 277,539. 1 Claim. (Cl. 240-81.)

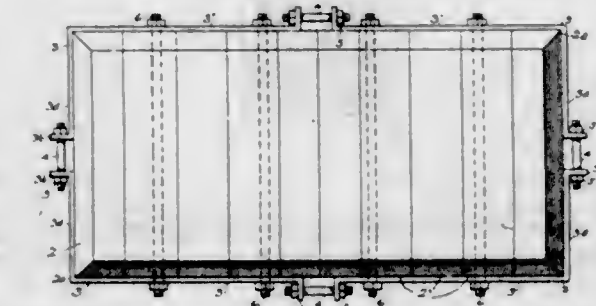


In a lighting fixture of the type described, the combination with a base member, a swinging arm member, a tubular pivotal member, and a relatively narrow connection between the hollow tubular member and the swinging

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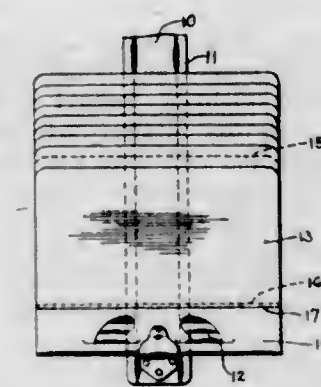
arm member, of means for limiting the rotative movement of the swinging arm member with respect to the base member comprising a washer seated on the hollow member and between the base member and the swinging arm member, a pair of upstanding fingers on the washer member spaced to closely receive the relatively narrow connection aforesaid of the swinging arm member between them to compel the washer member to rotate with the swinging arm member, and a downwardly depending finger on the washer member and a suitable stop on the base member to limit the rotative movement of said finger, substantially as described.

1,741,302. MEANS FOR CLAMPING DIE BLOCKS. CHARLES A. HUDSON, Ellisburg, N. Y., assignor to F. E. Hudson & Sons, Incorporated, Ellisburg, N. Y., a Corporation of New York. Filed Mar. 18, 1929. Serial No. 347,932. 3 Claims. (Cl. 164-58.)



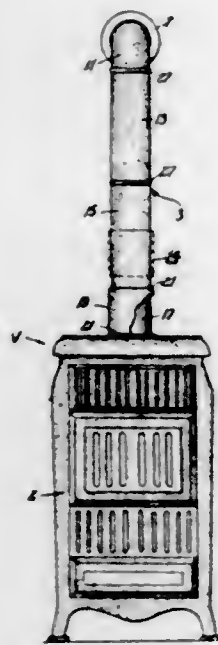
1. In combination, a rectangular built-up die-block, a plurality of similar clamping irons, each iron being bent to conform to the angles of the corners of the block, the arms of said irons terminating respectively near the longitudinal and transverse centers of the block and their free ends being formed with perforated lugs that register with the lugs of the adjacent irons, and means coacting with the registering lugs for clamping said irons against the sides and ends of the block.

1,741,303. INDEX OR FILE. ALFRED E. HUNT, New Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,816. 17 Claims. (Cl. 129-16.7.)



10. A plurality of reference members each folded upon itself at one edge thereof to provide a marginal section of double thickness, and means upon an intermediate part of said section to attach said members to a support in nested relation.

1,741,304. STOVEPIPE. STANLEY F. JACKES, St. Louis, Mo., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 30, 1929. Serial No. 351,392. 8 Claims. (Cl. 126—307.)



1. A stove pipe comprising enameled sections, an unenameled section joining said enameled sections to a stove, and an enameled sleeve reaching from the stove to the enameled sections and covering the unenameled section.

1,741,305. PURIFICATION OF AROMATIC HYDROCARBONS. ALPHONS O. JAEGER, St. Louis, Mo., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 4, 1926. Serial No. 86,099. 41 Claims. (Cl. 260—168.)

1. The process of recovering highly purified aromatic hydrocarbons from crude mixtures containing as impurities acyclic, alicyclic, heterocyclic compounds, sulfur compounds, organic or inorganic, or phenols which comprises partially halogenating and removing the unreacted aromatic hydrocarbons.

1,741,306. PROCESS OF REDUCING PRODUCTS OF CARBON MONOXIDE. ALPHONS O. JAEGER, Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Original application filed Sept. 9, 1925, Serial No. 55,393. Divided and this application filed Nov. 8, 1927. Serial No. 232,003. 17 Claims. (Cl. 260—169.)

1. A process of reducing carbon monoxide or carbon monoxide containing gases, which comprises causing the gas to react with hydrogen-comprising gases in successive stages to form formaldehyde, methyl alcohol, and then methane without isolating intermediate products formed, at least one of the first two stages taking place in the presence of mild reduction catalysts associated with oxidation catalysts, both being incorporated in porous carriers of relatively insignificant catalytic activity and the reaction stage from methyl alcohol to methane taking place in the presence of strong reduction catalysts.

1,741,307. PROCESS OF REDUCING PRODUCTS OF CARBON MONOXIDE. ALPHONS O. JAEGER, Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Original application filed Sept. 9, 1925, Serial No. 55,393. Divided and this application filed Nov. 9, 1927. Serial No. 232,202. 15 Claims. (Cl. 260—156.)

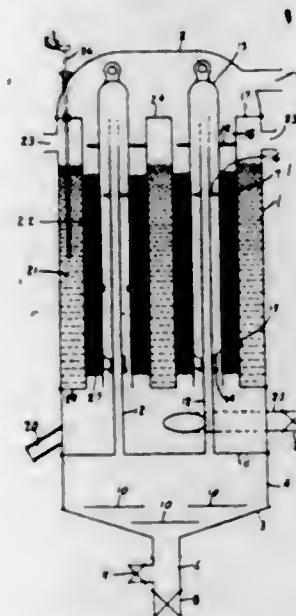
1. A process of reducing carbon monoxide and carbon monoxide containing gases, which comprises causing the

gas to react with hydrogen containing gases in successive stages to form formaldehyde and methyl alcohol without isolating intermediate products formed, at least one of the first two stages taking place in the presence of mild reduction catalysts associated with oxidation catalysts, the latter acting as carrier for the former.

1,741,308. PROCESS OF REDUCING PRODUCTS OF CARBON MONOXIDE. ALPHONS O. JAEGER, Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Original application filed Sept. 9, 1925, Serial No. 55,393. Divided and this application filed Nov. 10, 1927. Serial No. 232,476. 11 Claims. (Cl. 260—156.)

1. A process of reducing carbon monoxide and carbon monoxide containing gases which comprises causing the gas to react with hydrogen containing gases in successive stages to form formaldehyde and methyl alcohol, without isolating intermediate products formed, the catalysts for the stages being mixed together.

1,741,309. CATALYTIC APPARATUS. ALPHONS O. JAEGER, Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Dec. 13, 1927. Serial No. 239,725. 17 Claims. (Cl. 23—288.)



1. A converter comprising a converter shell, a plurality of relatively large diameter tubes therein, a bath chamber surrounding said tubes, a bath in said chamber, catalyst annuli in said tubes, a double counter current heat exchanging device in the center of each catalyst annulus, means for introducing reaction gases into the converter, and means for causing at least part of the reaction gases so introduced to pass through the double counter current heat exchangers and thence through the catalyst annuli.

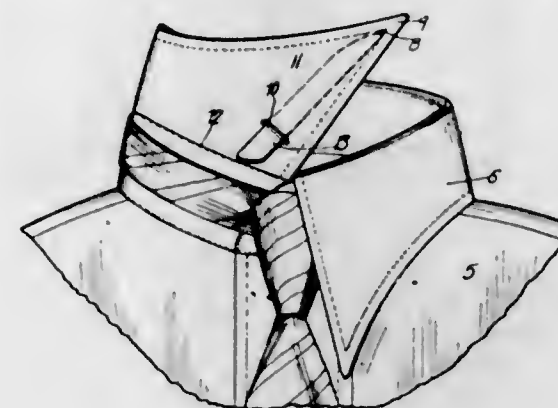
1,741,310. CONTACT SULPHURIC ACID PROCESS. ALPHONS O. JAEGER, Crafton, Pa., assignor to The Selden Company, Pittsburgh, Pa., a Corporation of Delaware. Filed July 3, 1928. Serial No. 290,280. 17 Claims. (Cl. 23—175.)

1. A method of catalytically oxidizing sulphur dioxide to sulphur trioxide, which comprises passing sulphur dioxide admixed with an oxygen containing gas at an elevated temperature over a contact mass which contains at least one acid leached permutogenetic body.

1,741,311. SHIRT-COLLAR STIFFENER. JOSEPH H. JANOWITZ, New York, N. Y. Filed June 26, 1928. Serial No. 288,456. 2 Claims. (Cl. 2—132.)

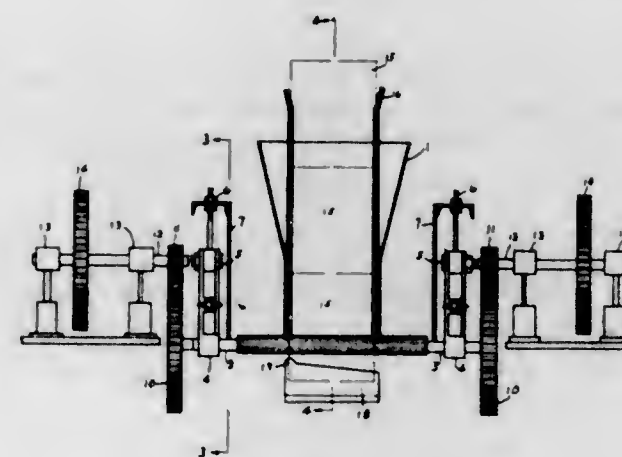
1. The combination with a soft collar comprising a plurality of piles of material having extended front points

and stitched together by lines of stitching meeting at an acute angle at the points, and buttonhole openings in the inner ply of the collar material spaced from the front ends of the collar and also spaced from the folded edge thereof, of stiffening strip members insertible between the inner and outer plies of the collar material through said openings, said strip members having their lower ends



curved at one side to form a point for fitting into the pocket, formed by the meeting of lines of sewing at the front points of the collar and having the upper ends rounded to closely fit into and conform to the shape of the folded edge of the collar, and said strip members extending into the points of the collar and being disposed in a direction opposing a curling action of said points.

1,741,312. TABLET MACHINE. KENNETH B. JOHN, CARL W. COSLOW, and CHRISTIAN J. SCHWINDT, Pittsburgh, Pa., assignors, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa., a Corporation of Delaware. Filed June 21, 1928. Serial No. 287,170. 2 Claims. (Cl. 18—5.)

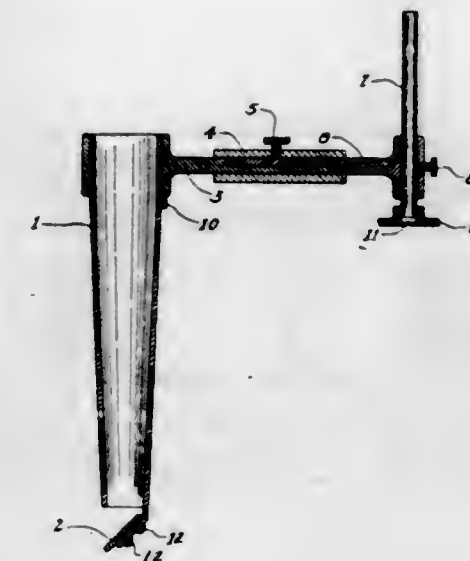


1. A tablet machine comprising in combination a hopper adapted to contain pulverulent material, means for feeding perforated plates edgewise through said hopper, a slot-like opening at the bottom of said hopper, a pair of movable rolls extending lengthwise of said slot, non-flexible driving means for positively driving said rolls, means for causing them to exert pressure on the plates passing therethrough, said rolls being capable of approaching and receding from each other without affecting the alignment of the drive.

1,741,313. MEDICAL APPLIANCE. WILLIAM JOHN KELLEY, Minneapolis, Minn. Filed June 14, 1928. Serial No. 285,290. 4 Claims. (Cl. 174—177.)

1. A medical appliance for the treatment of the throat or of the ear, comprising a conoidal shell and a reflector

attached to said shell, and means for pointing the said conoidal shell directly at the sun by means of a cylindrical



tube attached to said conoidal shell, the central axis of the said cylindrical tube being at all times parallel to the central axis of the said conoidal shell.

1,741,314. ANTITHEFT SPARE-WHEEL DEVICE. RAY W. JOHNSON, Chicago, Ill. Filed Nov. 26, 1923. Serial No. 676,883. 22 Claims. (Cl. 70—90.)

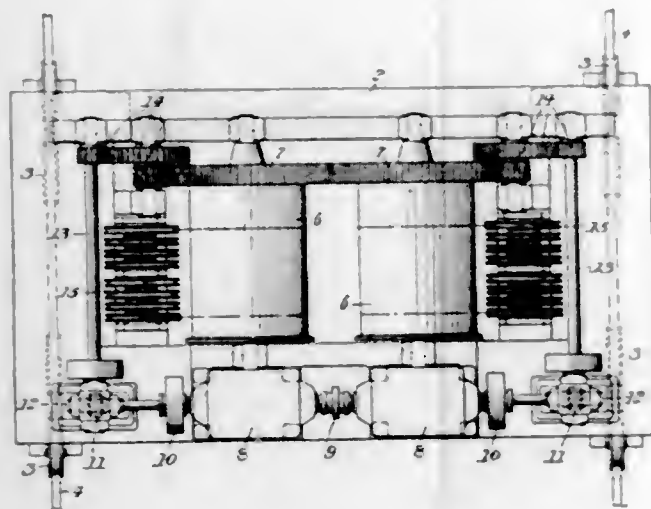


1. In an anti-theft device for a wheel mounted on a support extending through the hub thereof and having a threaded end projecting beyond the outer side of the hub, the combination with a rotatable holder having a socket open at one end; a sleeve adapted to be screwed onto said threaded end, said sleeve being mounted within said socket and projecting outwardly through the opening thereof beyond the holder and having an end face adapted to be forced against the hub of the wheel when said sleeve is screwed home; and key-controlled means for locking said sleeve to the holder for rotation in unison therewith to effect tightening or loosening of said sleeve.

1,741,315. LADLE TROLLEY. EDGAR HOMER KENDALL, Alliance, Ohio, assignor to The Alliance Machine Company, Alliance, Ohio, a Corporation of Ohio. Filed Mar. 9, 1928. Serial No. 260,425. 15 Claims. (Cl. 254—184.)

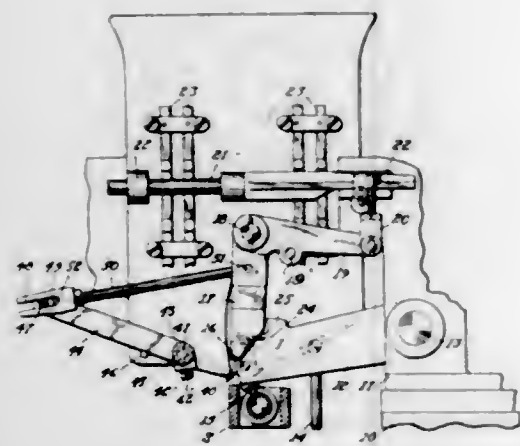
1. In a crane, a pair of directly interengaged drums having portions of their axes in side by side relationship,

separate motors for said drums, one of said motors being positioned adjacent one end of one of the drums and the



other of said motors being positioned adjacent the corresponding end of the other drum, and means connecting the motors to the drums.

1,741,316. DEVICE TO PREVENT REPEATED INDICATION OF WEFT EXHAUSTION. WILLIAM H. KING, Clinton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 16, 1928. Serial No. 293,014. 11 Claims. (Cl. 139-230.)

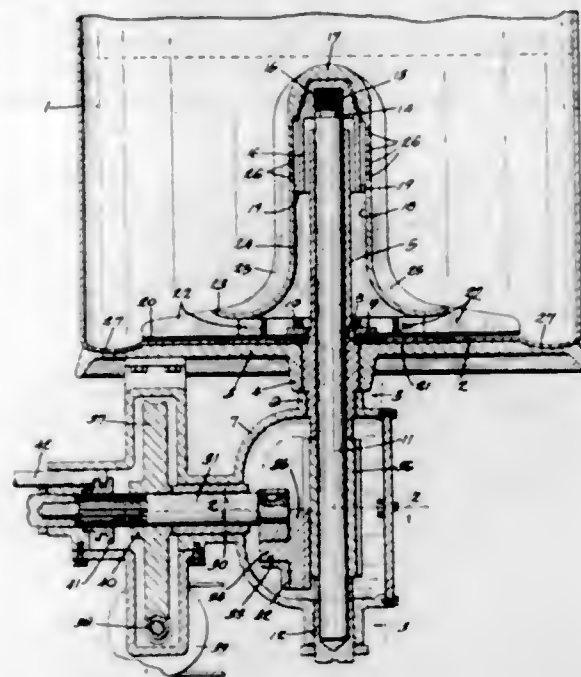


1. In a weft replenishing loom, a regularly moving transfer arm, an indicating member movable to initiate replenishment, means carried by the transfer arm movable to indicating position at weft exhaustion to move the member to initiate replenishment, and mechanism to prevent cooperation between the member and means when the latter is in indicating position on transferring beats of the loom.

1,741,317. CLOTHES-WASHING MACHINE. JAMES B. KIRBY, West Richfield, Ohio. Filed May 29, 1928. Serial No. 281,455. 4 Claims. (Cl. 259-101.)

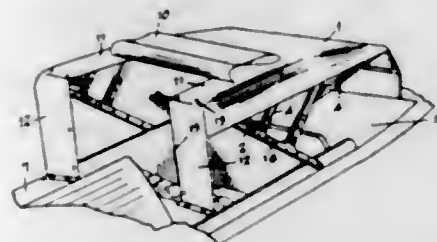
1. In a clothes washing machine, in combination, a casing having an upright sleeve in its bottom, a shaft

journaled in said sleeve, a head rigid with said shaft, an imperforate part depending over and around the upper



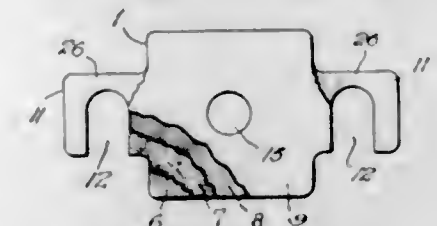
end of said sleeve and defining an air-bell, and a dasher detachably mounted on said head and around said imperforate part.

1,741,318. MOTOR-BOAT TOP. CALVIN Z. KROH, Toledo, Ohio. Filed Dec. 25, 1928. Serial No. 328,867. 6 Claims. (Cl. 156-6.)



2. In a foldable top for boats, a bow, a sheet material spread by the bow, the sheet material having an opening, a curtain covering the opening, the bow having a removable section to afford a free passage-way through the top.

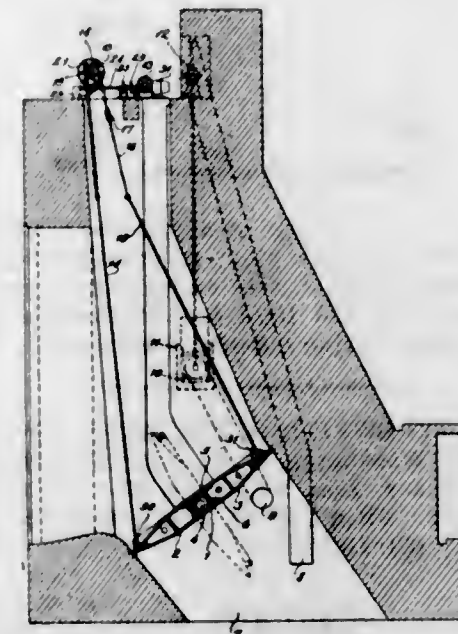
1,741,319. ELECTRIC RECTIFYING DEVICE. MEYER LAZARUS, Brooklyn, N. Y. Original application filed Sept. 1, 1928, Serial No. 303,583. Divided and this application filed Aug. 12, 1929. Serial No. 385,228. 8 Claims. (Cl. 175-318.)



1. An electric valve or rectifying device of the dry type, adapted to permit free flow of current in one direction, but to obstruct flow of current in reverse direction, said device being characterized by a positive element comprising an alloy of copper with silver, and provided with a rectifying layer.

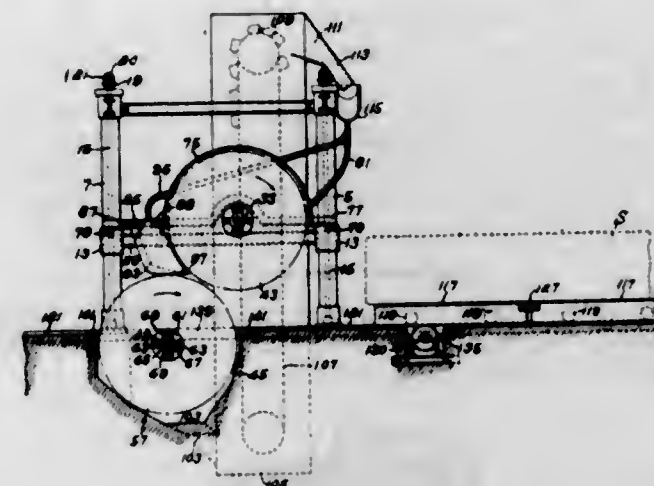
8. In the process of forming electric valves having an element of sheet metal such as copper and an obstructive layer, the step which comprises heating said metal in an atmosphere containing ozone in quantities greater than those common to atmospheric air, and thereby forming an obstructive layer of oxide thereon.

1,741,320. HYDRAULIC-GATE-OPERATING MECHANISM. WILLIAM S. LEE, RICHARD PFAHLER, and DAVID NABOW, Charlotte, N. C. Filed Sept. 24, 1927. Serial No. 221,717. 17 Claims. (Cl. 137-139.)



1. In hydraulic installations including an intake and head gate of the pivot or butterfly type, a connection between the parts of the gate at opposite sides of the pivot and near the outer edges of the gate, said connection including a sprocket chain, a sprocket wheel over which the chain passes, and means for rotating the wheel to open or close the gate.

1,741,321. EDGING MACHINE. PETER S. LEGGE, Somerville, Mass. Filed Jan. 14, 1927. Serial No. 161,115. 16 Claims. (Cl. 125-13.)

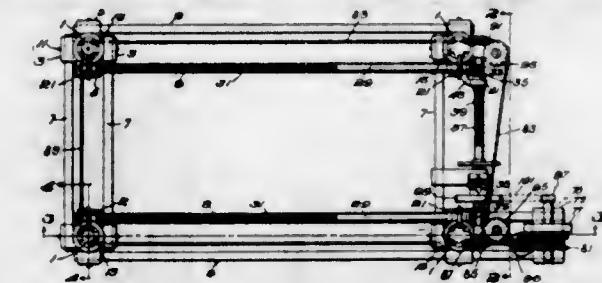


1. A stone sawing machine comprising, in combination, a pair of circular saws the axes of which are substantially parallel, means for simultaneously rotating said saws, means for effecting feeding movement between said saws and the stone in such direction and at such angle to the plane including the axes of said saws that the stone is partially severed by one saw and the severing is completed by the other saw, means entering the saw cut formed by one saw for forming a pocket in said saw cut adjacent the uncut portion of the stone and the periphery of the other saw.

1,741,322. STONE-WORKING MACHINE. PETER S. LEGGE, Pompton Lakes, N. J. Filed Aug. 2, 1927. Serial No. 210,073. 13 Claims. (Cl. 125-1.)

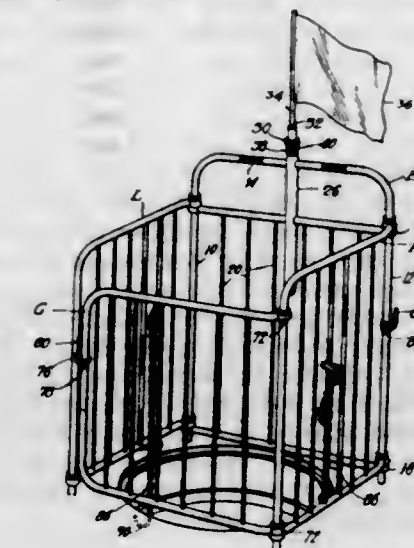
1. A machine for use in cutting monolithic receptacles having, in combination, saw supporting means adapted

to enter holes formed in the stone at the corners of the core, means for feeding said supporting means into said



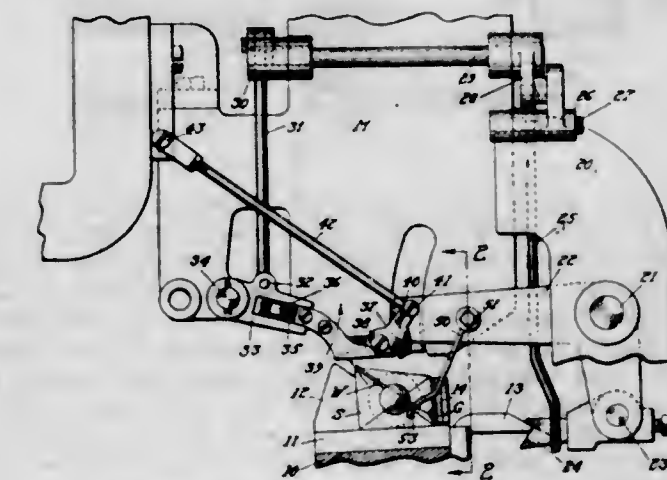
holes, and pulleys carried by said supporting means for guiding a flexible saw arranged to cut simultaneously consecutive sides of said core.

1,741,323. MANHOLE GUARD. JOHN L. LUFKIN, New York, N. Y., assignor to The Engineering Products Corporation, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 2, 1929. Serial No. 343,989. 9 Claims. (Cl. 94-38.)



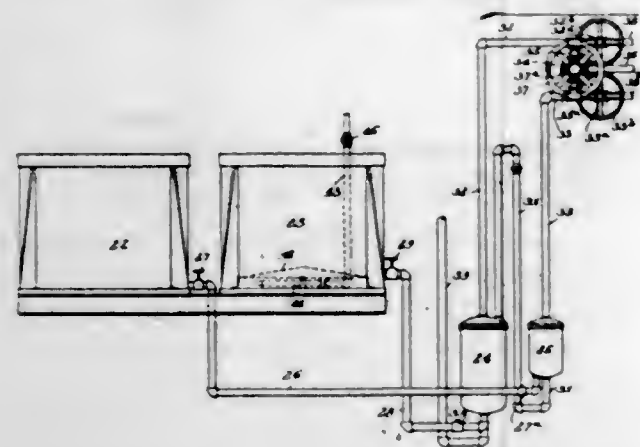
1. A manhole guard comprising a plurality of hinged connected sections, respective anchorage members for at least two of said sections and tension members connecting the anchorage members with their respective sections.

1,741,324. THREAD CONTROL FOR LOOM THREAD CUTTERS. FRED MARSDEN, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 12, 1928. Serial No. 305,443. 11 Claims. (Cl. 139-256.)



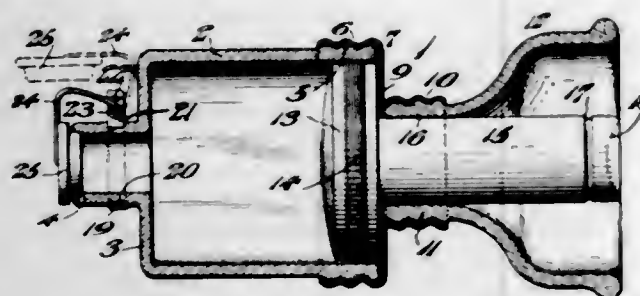
1. In thread cutting mechanism for a weft replenishing loom, a lay, a cutter to be operated by and moved upwardly relatively to the lay as the latter moves forwardly, and a device independent of the cutter to engage the filling between the cutter and shuttle and depress that portion of the filling which extends from the shuttle into a line substantially parallel to the lay, the device moving downwardly as the cutter is raised.

1,741,325. MEASURING AND MIXING DEVICE. ROLAND G. McDONALD, East Rochester, N. Y. Filed Jan. 4, 1929. Serial No. 330,320. 8 Claims. (Cl. 221-74.)



1. In measuring and mixing devices, a plurality of measuring tanks, means including individual connections to said tanks for supplying to each tank a liquid under pressure, means for preventing return flow of said liquids from said tanks when the tank's contents are subjected to pressures greater than those from said supply means, a pipe connecting the lower part of one tank with the other tank to form an air trap between said tanks, said air trap pipe extending above the upper ends of said tanks and also serving as a transfer connection between them, a delivery pipe connected to said other tank, a source of fluid under a pressure greater than the pressure of said liquids in said tanks from said supply means, and means for relieving the pressure in said tanks to permit them to fill with liquid from said supply means and then admitting compressed fluid to said one tank for forcing the contents of that tank into the other tank through said air trap pipe, and for forcing all of the contents of all tanks through said delivery pipe.

1,741,326. DISPENSER. CHARLES S. McNALLY, Philadelphia, Pa. Filed Oct. 25, 1928. Serial No. 314,854. 2 Claims. (Cl. 65-45.)



1. In a device of the character stated, an open ended cup, an open ended hollow stand adapted to serve as a handle and comprising a bottom enlarged portion and a top reduced neck portion, a coupling collar having one end thereof threaded to one end of said cup and the other end thereof to said neck portion, a nozzle on the other end of said cup, spring means for closing said nozzle, a plunger adapted to travel within said cup, and a stem for said plunger extending into said hollow stand the reduced neck portion of said stand forming a guide for said stem.

1,741,327. PROTECTOR FOR HAIRDRESSING USE AND THE LIKE. NICHOLAS MERLINO, Mattapan, Mass. Filed Aug. 14, 1928. Serial No. 299,527. 2 Claims. (Cl. 2-14.)

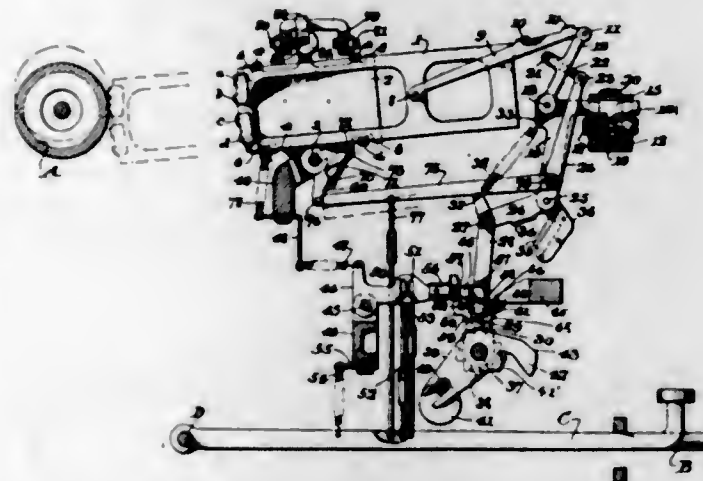
1. A self retaining protective device for preventing entry of fluids into the ears and eyes of a wearer com-

prising a pair of bridge connected members each formed to encircle an eye of the wearer and fit the face in a fluid tight manner to prevent access of fluid to the eyes, a pair of ear plugs formed to fit the ear orifices in a fluid ex-



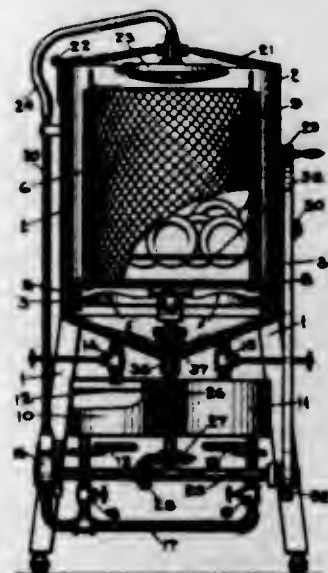
cluding manner and a pair of adjustable retaining members connecting said ear plugs to opposite sides of said pair of bridged members, said adjustability providing for the effecting of a fluid tight but comfortable fit of the device to wearers having different head sizes.

1,741,328. TYPEWRITING MACHINE. WILLIAM O. MICHELSEN, Woodhaven, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 27, 1927. Serial No. 242,689. 16 Claims. (Cl. 197-17.)



1. A type action comprising a slidable type bar provided with a plurality of groups of type, key levers associated with the type bar and corresponding in number to the number of groups, a movable support for the type bar, power operated means controlled by the depression of each key lever for moving the type bar to the printing point, and mechanism normally in position to be actuated by said power operated means for moving said support.

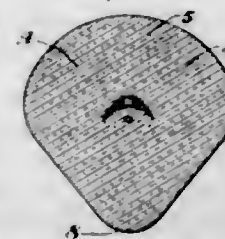
1,741,329. DISHWASHING MACHINE. JOHN H. MONTGOMERY, Omaha, Nebr. Filed Mar. 5, 1928. Serial No. 259,073. 1 Claim. (Cl. 141-9.)



In a dish washing machine, a liquid container, a circular track therein having alternate diametrically opposed risers

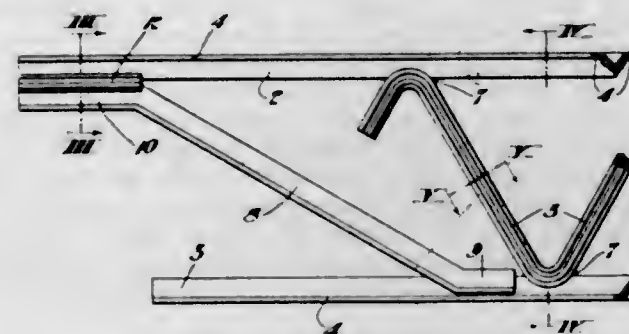
and depressions, a frame having diametrically opposed wheels on said track, a foraminated basket in said frame, means for rotating said frame, and means for spraying liquid onto said basket.

1,741,330. THERMOMETER. HARRY Y. NORWOOD, West Rush, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Jan. 26, 1928. Serial No. 249,575. 2 Claims. (Cl. 49-82.)



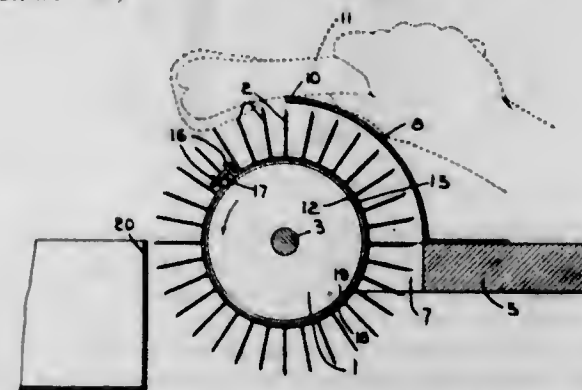
1. In a process of making glass tubing having a colored stripe back of the bore, the steps which consist in covering a surface portion of a ball of glass while in plastic condition, depositing vitreous material on both sides of and up to the covered portion to form two layers, then uncovering said covered portion and filling the uncovered portion with a colored vitreous material.

1,741,331. TRUSS. NORMAN B. OBBARD, Pittsburgh, Pa. Filed Sept. 15, 1928. Serial No. 306,133. 4 Claims. (Cl. 189-37.)



4. A metal truss composed of upper and lower chord members of generally V-shaped cross-section, said chord members being arranged with their apexes opposite each other, and a continuous lacing bar having its top and bottom faces grooved, said bar being bent alternately up and down between and engaging said chords, said chord members having their apexes extending into the grooves in said lacing bar, and said chords and said lacing bar being welded along their lines of contact.

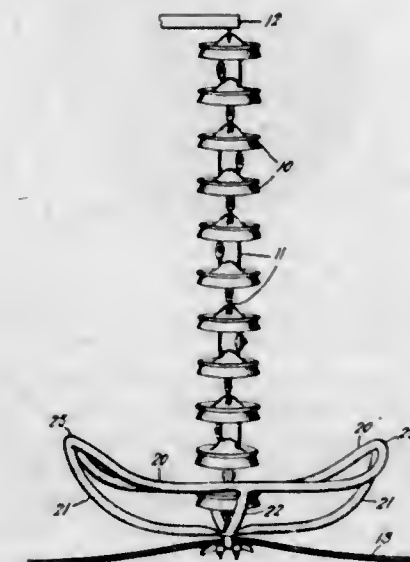
1,741,332. DEVICE FOR CLEANING MEAT FROM BONES. LEONARD S. PEARL, Revere, Mass., assignor of forty-five one-hundredths to Thomas F. Ryan, Medford, Mass. Filed May 1, 1928. Serial No. 274,233. 4 Claims. (Cl. 17-1.)



4. In a device of the class described, the combination with a cylinder having a smooth exterior surface, of an apertured envelope surrounding said cylinder, U-shaped

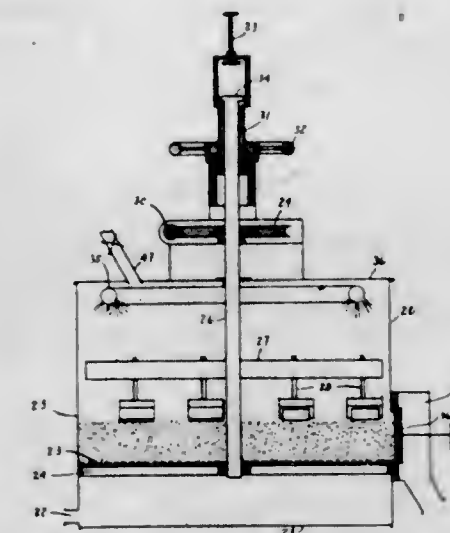
tooth members, each having its arms extending through apertures in the envelope and having its bridge connection confined between the envelope and the smooth surface of the cylinder, and means to clamp the envelope to the cylinder.

1,741,333. INSULATING SUPPORT. FRANK W. PEEK, Jr., Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 26, 1921. Serial No. 440,154. 9 Claims. (Cl. 173-318.)



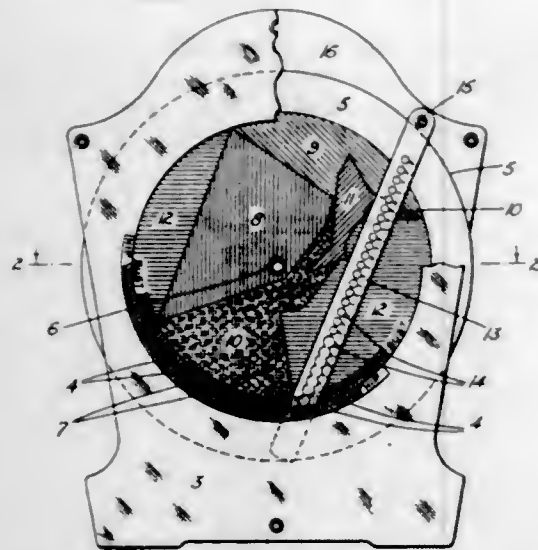
1. A string of more than two interconnected insulating units adapted to support an electrical conductor, said string being provided with electrostatic flux controlling means conductively connected to the conductor and proportioned and situated about the insulating units so as substantially to compensate directly for the leakage electrostatic flux of the string, whereby uniform voltage distribution results.

1,741,334. FILTER. KURT F. PIETZSCH, Pittsburgh, Pa., assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa., a Corporation of Delaware. Filed June 7, 1928. Serial No. 283,493. 11 Claims. (Cl. 210-152.)



1. A closed filter comprising in combination a closed filtration chamber having a screened bottom, combined compacting and discharging means in said chamber so constructed as to be capable at will of either discharging or compacting alone, but not both operations simultaneously and means for introducing mixtures of liquids and solids into said chamber.

1,741,335. DETERMINATION OF FIGURE TYPES. DELLA LYTTON PRATT, Lindfield, near Sydney, New South Wales, Australia. Filed Dec. 29, 1928. Serial No. 329,227, and in Australia May 21, 1928. 3 Claims. (Cl. 116—133.)



1. A device for determining the figure type of a person desiring to be fitted with a corset or like garment, consisting of the combination of means whereby the respective measurements round the bust, hips and waist of women are used in arriving at the determination, said means comprising a scale or chart bearing progressively the measurements of the bust of women, a second scale or chart bearing progressively the measurements of the hips of women said second scale being used as a basis for selection for the type of garment, and a third scale or chart bearing progressively the measurements of the waist of women, said third scale serving as a final adjustment to the determination of the type selected by the said bust and the hip scales or charts.

1,741,336. CARBURIZING MATERIAL. GEORGE W. PRESSELL, Philadelphia, Pa., assignor to E. F. Houghton and Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 14, 1928. Serial No. 292,915. 8 Claims. (Cl. 148—30.)

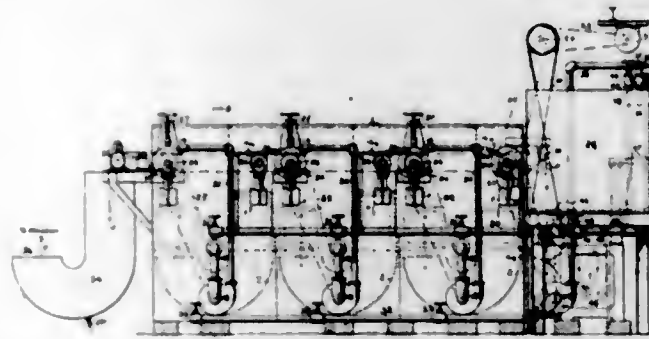
1. Granular carburizing material characterized by the presence of a coating of heavy metal oxide on the surface of the individual carburizing grains.

1,741,337. NIGHT-LIGHT AND VOTIVE-LIGHT HOLDER. MARK PURCELL, New York, N. Y., assignor to Diamond Candle Co., Inc., a Corporation of New York. Filed May 16, 1928. Serial No. 278,996. 2 Claims. (Cl. 240—13.)



1. A device of the class described, comprising a base stand, a bracket attached to the top thereof, outer prongs mounted on the bracket, inner prongs also mounted on the bracket, a container with light means, supported by the inner prongs, and an air passage tube supported by the outer prongs, and the said bracket being formed with air passage apertures for entering air into the tube and a means for varying the size of the said air passage apertures.

1,741,338. METHOD AND MEANS FOR TREATING TEXTILE FABRICS. WILLIAM S. ROWLEY and HARRY W. BUTTERWORTH, Jr., Philadelphia, Pa., assignors to H. W. Butterworth & Sons Company, a Corporation of Pennsylvania. Filed Sept. 23, 1924. Serial No. 739,285. 14 Claims. (Cl. 8—19.)



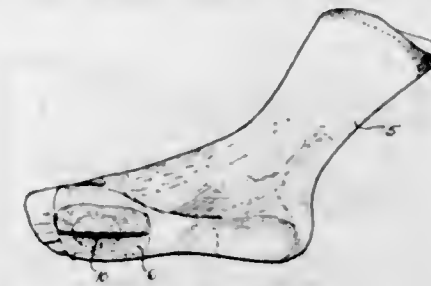
1. The herein described method of treating a textile fabric in a continuous manner, which consists in passing the fabric successively into and out of a heated fluid in a closed tank compartment containing at hot vapor above the fluid, and during each of the passages into and out of the fluid piling the fabric upon itself above the fluid and causing the piled fabric as it accumulates to pass downward by gravity into and through the fluid and thence upward whereby the accumulating piled fabric which is descending under the action of gravity is of greater height and weight than the piled fabric which is rising in the fluid and by reason of which it is overbalanced, withdrawing without resistance the upper and leading end of the piled fabric from the upper portion of the upwardly rising accumulations thereof whereby it is gradually withdrawn from the fluid in a heated condition, subjecting the fabric when out of the fluid to hot sprays formed from the heated fluid, piling the fabric again into and withdrawing it in a similar manner in another and purer portion of the same fluid within the same tank compartment and so on for a series of treatments, and finally discharging the fabric in a continuous manner from the compartment.

1,741,339. PITCHER. JESSE H. SAGEA, Smithton, Pa. Filed Apr. 13, 1926. Serial No. 101,775. 2 Claims. (Cl. 65—61.)



1. A pitcher-like article having a movable lid provided with a pouring nozzle, a perforator on the underside of the lid situated to perforate a closure of a liquid container near the rim thereof, said perforator extending from the entrance end of the nozzle and spaced therefrom to allow free passage of fluid into the nozzle, and a container engaging part carried by said lid to confine the container against misplacement and movable into contact with the mouth of the container and making a tight joint therewith.

1,741,340. ORTHOPEDIC SOCK. WILLIAM M. SCHOLL, Chicago, Ill. Filed Nov. 7, 1925. Serial No. 67,565. 2 Claims. (Cl. 128—166.5.)



1. An orthopedic sock having an outer wall in the sole portion thereof to provide a pocket, said wall split in a plane parallel with the longest axis of a foot, the pocket being adapted to receive an arch supporting pad, and the sock being suitable for normal use when without the pad.

1,741,341. ARCH SUPPORT. WILLIAM M. SCHOLL, Chicago, Ill. Filed Mar. 6, 1926. Serial No. 92,699. 3 Claims. (Cl. 36—71.)



1. In a device of the character described, a sole-shaped metallic plate, and means secured to said plate so as to underlie the forward margin thereof, said means following the general contour of said margin and strengthening said plate so that the same will maintain a contour to which it has been adjusted.

1,741,342. PANEL FOR DRIERS. WALTER M. SCHWARTZ, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 20, 1928. Serial No. 294,254. 18 Claims. (Cl. 72—16.)

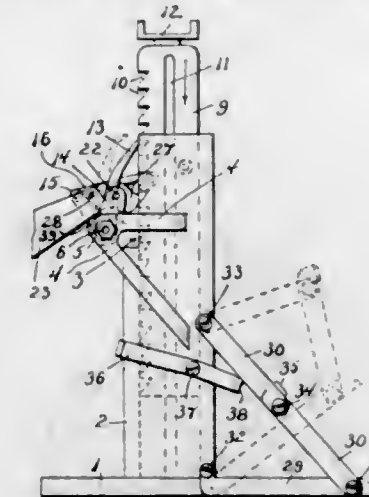


1. A panel constituting in itself a complete hollow-wall section for driers and like apparatus, said panel comprising a pair of Z-shaped longitudinal edge bars; and a pair of metal walls spaced apart and extending in substantially parallel planes between said Z-bars and respectively connected along their oppositely disposed longitudinal edges to said Z-bars, said Z-bars being of a relatively heavy cross-section and adapted to support the machinery of the drier.

1,741,343. AUTOMOBILE JACK. GEORGE GREGORY SMITH, and GEORGE GARNET STROUP, Franklin, Va. Filed Sept. 26, 1927. Serial No. 222,959. 7 Claims. (Cl. 254—111.)

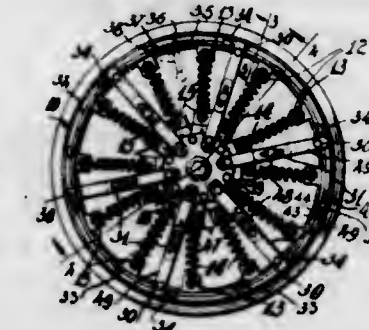
1. A jack comprising a base, a standard having a chamber, a ratchet bar vertically movable in said chamber, said standard having an opening in one wall near the top to expose the ratchet bar, brackets carried by said standard, a primary fulcrum bolt mounted in said brackets, a pawl mounted on said bolt and adapted to project upwardly

and be engaged with said ratchet bar, a lever carrying link member pivoted on said bolt, an operating lever pivoted to said link member and having a toe to engage



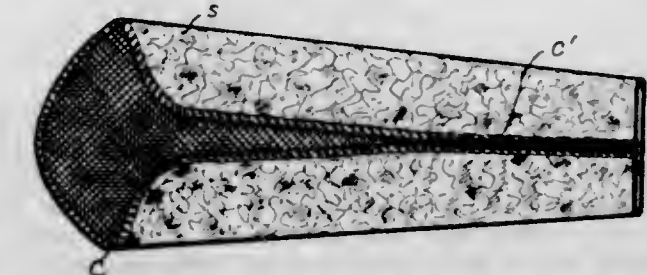
said ratchet bar, and a spring device associated with said pawl, said pawl being bifurcated and mounted between said bracket, and said link member being located in the bifurcation of said pawl.

1,741,344. RESILIENT WHEEL. SAMUEL SCHOOR, Newark, N. J. Filed Aug. 22, 1928. Serial No. 301,284. 2 Claims. (Cl. 152—52.)



1. In a resilient wheel, a link pivotally mounted at its outer end on a felloe band, a band mounted on the felloe band and passing beneath the outer extremity of said link, and a raised element projecting from the second band and located in proximity of said link for limiting the pivoting distance of the link.

1,741,345. NECKTIE. SAMUEL SCHWARTZ, Albany, N. Y. Filed Oct. 23, 1928. Serial No. 314,442. 4 Claims. (Cl. 2—146.)

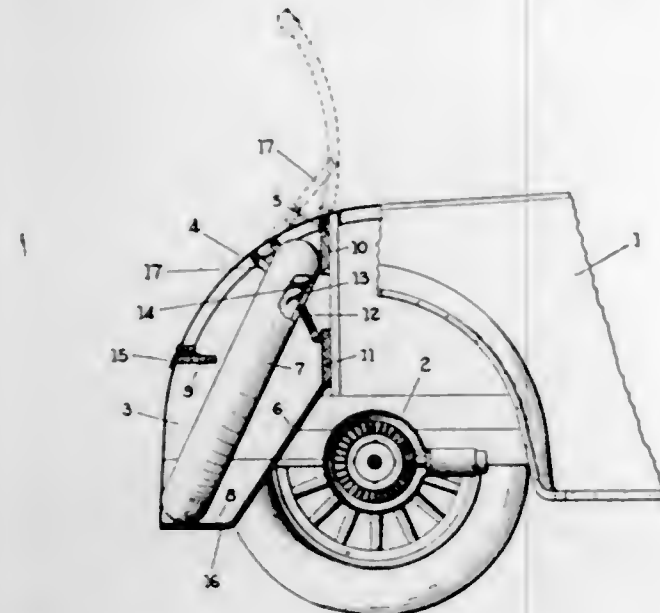


1. A necktie made of a composite fabric having a face fabric of relatively crushable material and a backing of relatively non-crushable material which is interwoven with said face fabric, said fabric being sufficiently heavy to make a separate filler piece unnecessary, said necktie having its edges stitched together.

1,741,346. VEHICLE BODY AND TIRE CARRIER COMBINED. OWEN H. SPENCER, Indianapolis, Ind. Filed Mar. 10, 1928. Serial No. 260,668. 1 Claim. (Cl. 296—37.)

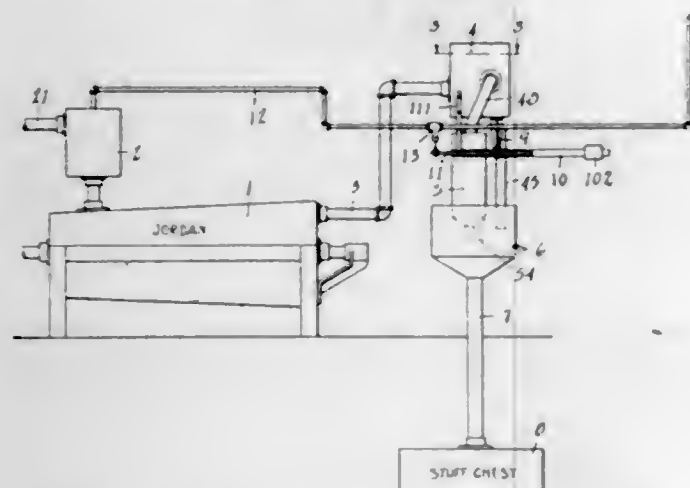
A tire carrying receptacle for vehicles, comprising a hollow substantially vertically extending receptacle hav-

ing an inner face wall the upper portion of which is substantially vertical and the lower portion inclined inwardly, end walls, an outer face wall the lower portion of which is vertical and the upper portion curved and formed



into a hinged cover, a horizontal bottom wall, and a downwardly extending arcuately curved recess in said bottom wall between the ends thereof arranged to receive and fit the peripheral contour of a tire and prevent lateral movement of the tire within the receptacle.

1,741,347. STOCK-CONTROLLING MEANS FOR PAPER-MAKING MACHINES. JOHN ROBERT SPOOR, Kalamazoo, Mich. Filed Nov. 28, 1928. Serial No. 322,350. 2 Claims. (Cl. 92-46.)

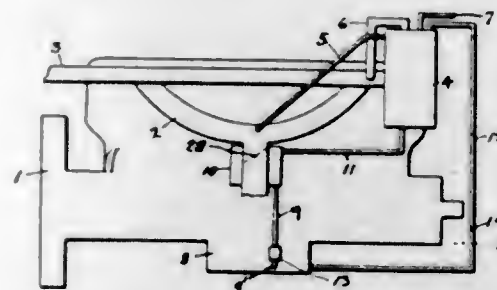


1. In a stock controlling means for paper making machines, the combination with a Jordan beater and stuff supply box therefor of a regulating supply chest with a dam partition thereacross with gate to regulate the overflow, an overflow pipe and a discharge pipe therefrom, a balanced hopper with spiral passage therethrough for the said paper stock from the discharge pipe, a bifurcated counterbalance lever carrying the said hopper, a water supply pipe to the stuff supply box of the said Jordan, a needle valve for controlling the same, a lever for operating said needle valve with connection to the counterbalance lever of the hopper, coacting as specified.

1,741,348. MEANS FOR PURIFYING LUBRICATING OIL. CHARLES LAWRENCE STOKES, Los Angeles, Calif. Filed Mar. 8, 1923. Serial No. 623,685. 4 Claims. (Cl. 123-196.)

1. The combination with an internal combustion engine, having an exhaust pipe for heated gases, an inlet

pipe for air and fuel, and a reservoir for lubricating oil, of a filter elevated above the reservoir, an inlet and an outlet conduit for said filter, said inlet conduit having an air vent in its side wall, means for applying heat from the



exhaust pipe to the filter, and means for continuously applying the engine suction from the inlet pipe to the filter during the operation of the engine, whereby the lubricating oil is drawn to and through the filter and said conduits.

1,741,349. SCREW DRIVER. RALPH R. SULLIVAN, Oakland, Calif., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 19, 1928. Serial No. 327,115. 4 Claims. (Cl. 145-50.)



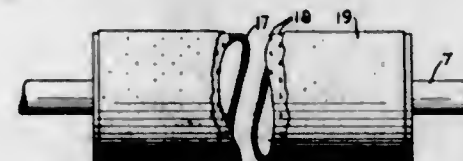
1. A screw driver comprising a blade having a flat side arranged to engage in a screw head notch and a plurality of sharp edged ridges formed thereon between the edges of the blade and extending substantially parallel to the longitudinal axis of said screw driver from the plane of the bit edge of the blade.

1,741,350. PHOTOGRAPH OR CORNER MOUNT. EDWIN J. SWIFT, New Rochelle, N. Y., assignor of one-half to Charles Reginald Redgrave, New York, N. Y. Filed May 4, 1928. Serial No. 275,126. 7 Claims. (Cl. 40-158.)



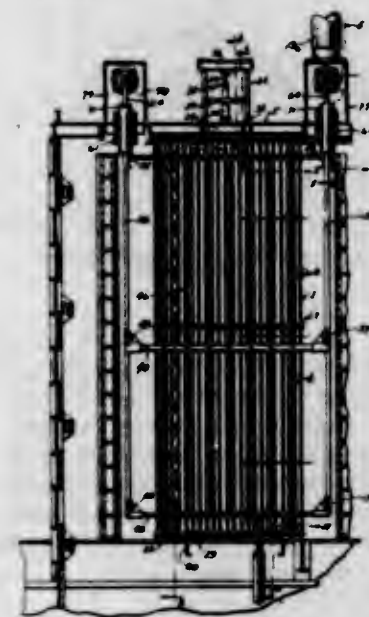
1. A corner pocket comprising two overlapping bodies each having an adhesive surface, one of said bodies being creased and fastened to the top of the other body to provide an open pocket.

1,741,351. ROLL FOR TEXTILE MACHINERY. WILLIAM A. TEBB, Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 4, 1928. Serial No. 323,746. 4 Claims. (Cl. 139-308.)



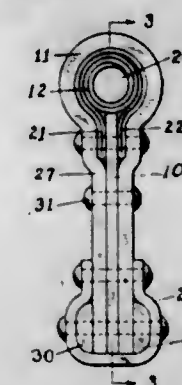
1. A roll for use in textile machines comprising a rigid, cylindrical core, a soft rubber cover on the core and radially projecting pointed metal teeth rigid with the core, embedded in the cover and having their points located adjacent the cover periphery, the said rubber cover yielding under external pressure to expose the metal teeth to an extent determined by the pressure and correspondingly varying the gripping function of the roll periphery.

1,741,352. APPARATUS FOR ELECTRICAL PRECIPITATION. FLOYD H. VIETS, Glendale, and CHARLES H. WEISKOPF, Hawthorne, Calif., assignors to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 13, 1927. Serial No. 219,282. 5 Claims. (Cl. 183-7.)



1. In an apparatus for electrical precipitation, collecting electrode means, means normally supporting said collecting electrode means in operative position, and jarring means operable to raise said collecting electrode means off of said supporting means and to subject the same to a jarring action while holding the same off of said supporting means.

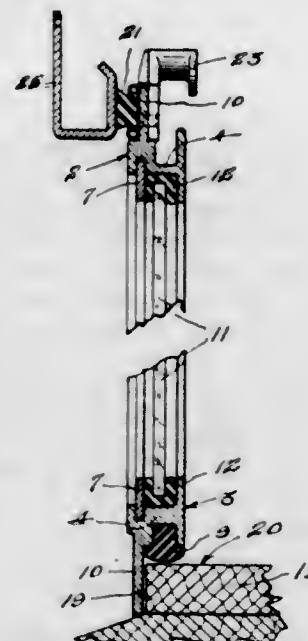
1,741,353. LOOM PICKER. HORATIO G. WEST, East Brookfield, Mass., assignor to David Pilsworth, Worcester, Mass. Filed Jan. 17, 1927. Serial No. 161,472. 5 Claims. (Cl. 189-160.)



1. A picker comprising a body having at one end a head for striking the shuttle and at the other end a hollow en-

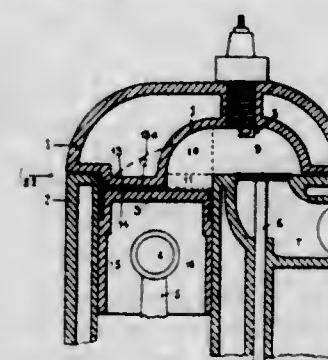
largement, a bushing separate from the body and located within said enlargement which is adapted to slide on the picker rod, said bushing comprising a strip of fibre board wound spirally to form a bearing surface and an extending lip and means fastening said lip rigidly to the body of the picker which holds the bushing in position.

1,741,354. WINDOW-SASH CONSTRUCTION. ROY T. AXE, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed May 22, 1928. Serial No. 279,687. 6 Claims. (Cl. 189-76.)



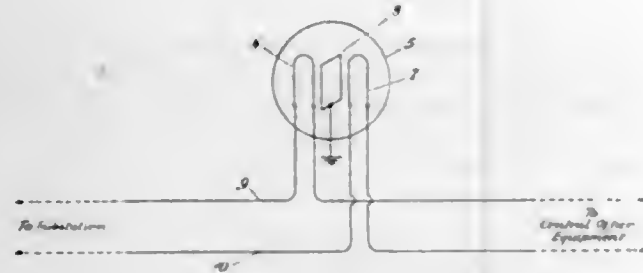
1. A sash construction comprising stiles and rails, each having a single flange projecting outwardly from the edge thereof, the flanges of the stiles and rails forming a continuous flange around the circumference of the sash and the stiles and rails being formed with grooves parallel to the flange at the base thereof and a weather strip seated in the grooves and projecting out of the same and terminating short of the outer edge of the flange.

1,741,355. INTERNAL-COMBUSTION ENGINE. JEAN A. H. BARKEIJ, Washington, D. C. Filed Feb. 11, 1928. Serial No. 253,594. 23 Claims. (Cl. 123-191.)



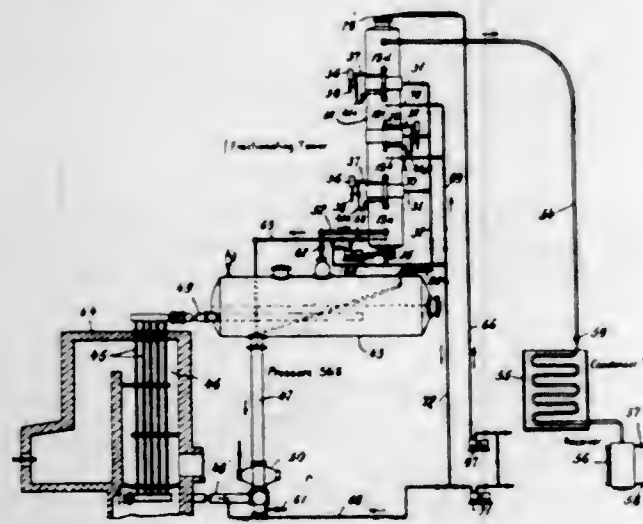
1. In an internal combustion engine, in combination, a cylinder, a piston reciprocating therein, a cylinderhead entering said cylinder, said cylinderhead being formed with a combustion chamber therein, which lies partially over said cylinderbore, a throat formed between the cylinderwall and the head by which said combustion chamber communicates with the space swept by said piston in said bore, said throat having a cross section at least equal to the area of the inlet port communicating with said combustion chamber, and controlled by a poppet valve, an exhaust port controlled by a poppet valve in said combustion chamber, sparkignition means in said combustion chamber.

1,741,356. PROTECTIVE DEVICE FOR ELECTRIC CIRCUITS. HENRY M. BASCOM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 24, 1928. Serial No. 256,677. 2 Claims. (Cl. 175-294.)



2. In a protector for electric circuits, the combination of a pair of line conductors, an electric valve associated therewith, said valve consisting of an evacuated vessel containing a pair of filaments and a plate intermediate thereto, each filament being serially associated with one conductor of the pair, and said plate being connected to ground, said filaments being so designed that they will break down and open the circuit of their respective conductors when subjected to current in excess of a predetermined value, and said plate being so related to the filaments and the vacuum being such that a discharge will take place and ground the line when a difference in potential occurs between either filament and plate in excess of predetermined limits.

1,741,357. ART OF CRACKING HYDROCARBONS. JOHN E. BELL, Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed July 9, 1924. Serial No. 724,957. 13 Claims. (Cl. 196-4S.)

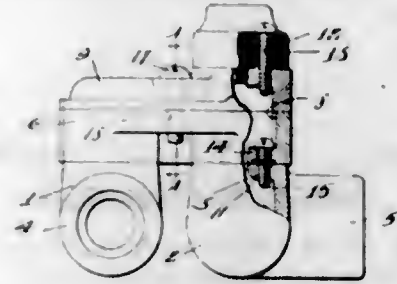


1. The improvement in the operation of pressure stills which comprises subjecting the vapors therefrom to a refluxing operation by indirect heat interchange with raw charging stock to the still, returning the reflux to the still, subjecting the remaining vapors to a further refluxing operation, and returning a regulated amount of the condensate formed in said further refluxing operation to said first refluxing operation.

1,741,358. COUPLING FOR CONDUIT OUTLET BOXES. CARL H. BISSELL, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed June 20, 1923. Serial No. 646,541. 6 Claims. (Cl. 247-15.)

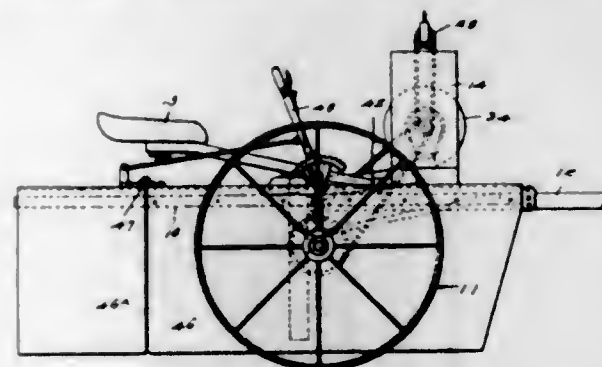
1. The combination of a plurality of spaced apart conduit boxes each having an opening in its upper side, a

connector box mounted on the open upper sides of the outlet boxes and bridging the same and having openings in its lower side aligned with the open sides of the boxes



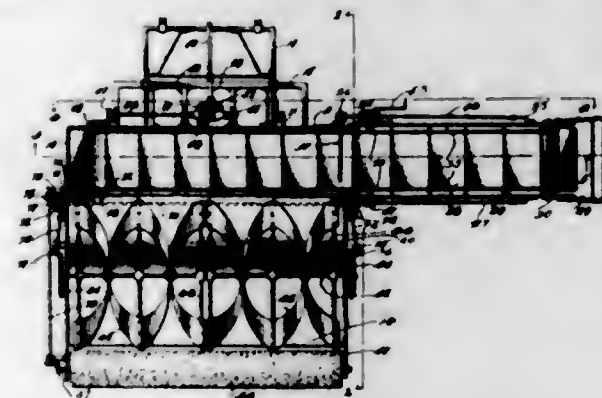
and means for securing the connector box to the open sides of the outlet boxes, the connector box also having another upper opening for receiving electrical appliances.

1,741,359. INSECT-DESTROYING MACHINE. ANDREW B. CAMDEN, Durant, Okla., assignor of one-half to Porter Neuman, Durant, Okla. Filed Oct. 23, 1928. Serial No. 314,403. 5 Claims. (Cl. 43-128.)



1. An insect destroyer including a wheeled frame, a fan housing thereon, perforated distributors connected to the fan housing, an exhaust fan in the housing discharging to the distributors, a casing communicating with the fan housing behind the fan, and means operatively driven from the wheels of the frame positively and continuously discharging poison at a predetermined rate and in a finely divided condition into said casing from which it is drawn by the exhaust fan.

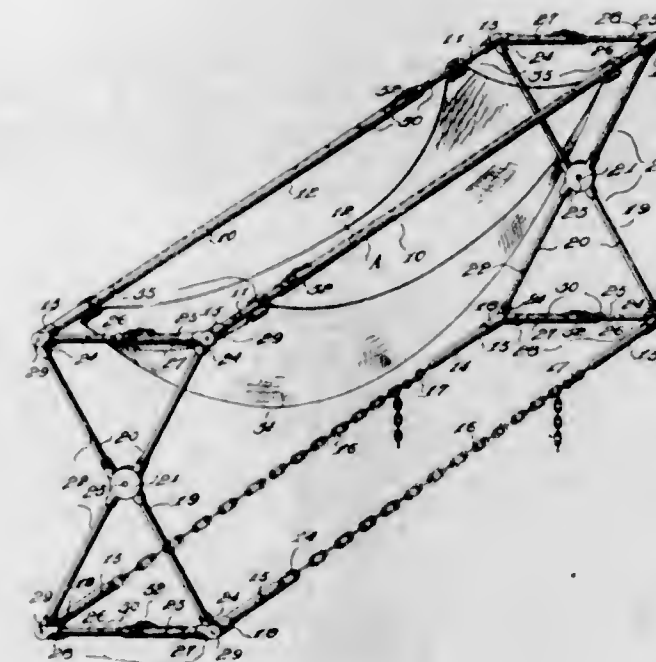
1,741,360. COMBINATION SNOWPLOW AND SWEEPER. THOMAS EDISON DAGEL, Edgeley, N. Dak. Filed Dec. 27, 1926. Serial No. 157,388. 3 Claims. (Cl. 37-45.)



1. In a machine of the class described, a hollow body, a conveyer supported for travel in said body, a scoop extending forwardly from the body and having its bottom curved upwardly and rearwardly from its forward edge, a shaft rotatably journaled above the scoop, arms radiating from the shaft, plow blades extending helically between the outer ends of relatively adjacent ones of said arms and supported thereby, the said blades being concentric to the said shaft, the blades constituting means for

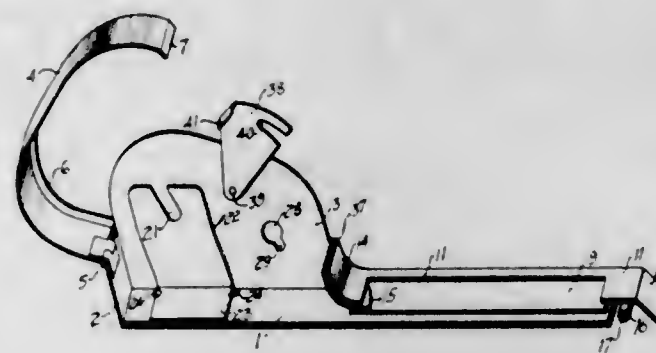
delivering snow upwardly and rearwardly over the bottom of the scoop and onto said conveyer, and a rotary cylindrical brush operatively mounted in advance of the said blades upon said shaft and constituting means for brushing snow from the surface of a roadway and delivering the same to position to be acted upon by said blades.

1,741,361. BEDCLOTHES SUPPORT AND ARCH PROTECTOR. FRANCES G. DOYLE, New York, N. Y. Filed Sept. 28, 1927. Serial No. 222,613. 5 Claims. (Cl. 5-319.)



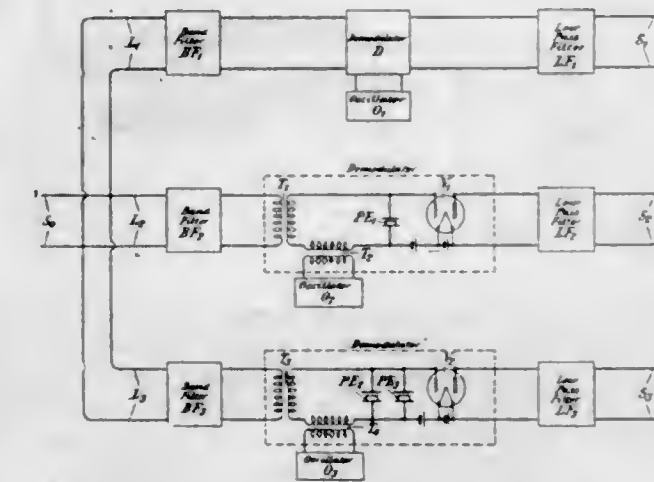
3. A bed clothing support comprising a clothing supporting portion, a bed engaging portion, a folding structure interconnecting the said two portions; said bed engaging portion comprising rigid end sections secured to said folding structure, and flexible means connecting said end sections to prevent separation thereof without detracting from the resilience of the bed.

1,741,362. AUTOGRAPHIC MANIFOLDING REGISTER. RALPH W. GLENN, Piedmont, Calif. Filed May 24, 1927. Serial No. 193,803. 5 Claims. (Cl. 282-13.)



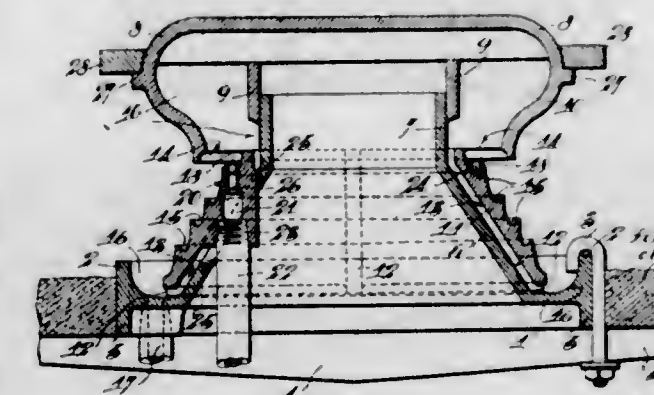
1. An autographic register comprising a casing, a platen disposed in said casing, a cover for said platen, a separator between said cover and plate, and means in said casing to lead a strip of paper under the entire length of said platen and then to reverse the direction of said paper and lead it back over the top of said platen to said separator.

1,741,363. PIEZO-ELECTRIC INTERFERENCE ELIMINATOR. ESTILL I. GREEN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 17, 1926. Serial No. 123,115. 10 Claims. (Cl. 178-44.)



8. The combination of a circuit transmitting a band of signals, energy interfering with said band of signals being induced into said circuit, and means including a piezo-electric structure connected to said circuit which may be activated for absorbing said interfering energy.

1,741,364. OIL BURNER. FRANK HENNEBOHLE, Chicago, Ill. Filed Aug. 26, 1926. Serial No. 131,709. 8 Claims. (Cl. 158-91.)

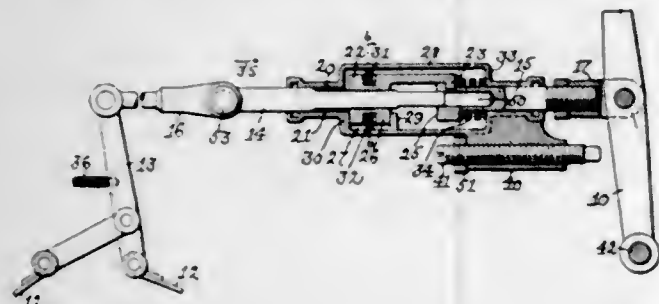


8. In a burner of the class described, a base, a neck extending upwardly from the base to constitute an air passageway, means for supplying fuel oil to said base around said neck, a sleeve surrounding said neck, means to hold said sleeve spaced from said neck to provide an air passageway between the neck and sleeve, a cap supported over said neck and having air baffling surfaces for directing the air passing into the cap from said first mentioned passageway over the outer surface of said sleeve and into the top of the air passageway which is located between said sleeve and said neck, said cap being located in the flame zone of the burner to become heated and thereby heat the air before delivering it over the outer surface of said sleeve and into said passageway between said sleeve and said neck.

1,741,365. BRAKE MECHANISM. EDWARD HEYMANN, Boston, Mass. Filed June 11, 1927. Serial No. 198,089. 2 Claims. (Cl. 188-196.)

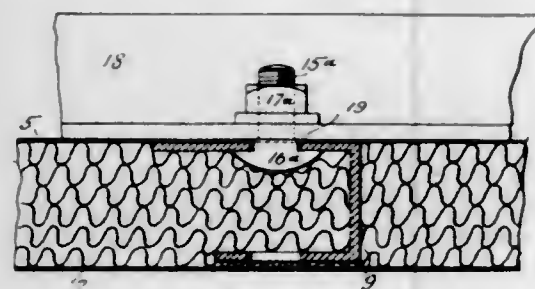
1. In a brake mechanism, in combination, a brake-shoe, a lever for applying the brake-shoe, a connecting rod composed of members, one of which is capable of being moved with relation to the other, and one of which is provided with ratchet teeth, a pull pawl co-operating with said ratchet teeth and connected with the other member of the connecting rod, an abutment member, a take-up spring

interposed between the pull pawl and said abutment member and co-operating with both to be compressed by the pull pawl when the brake-shoe in a worn condition is applied, and to move the pull pawl with relation to the



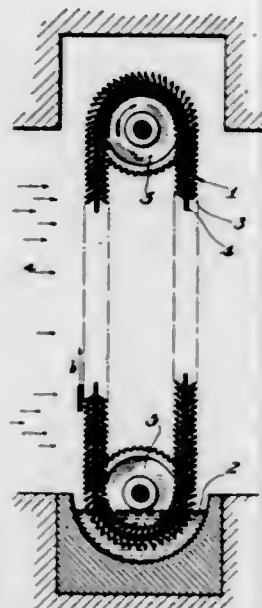
ratchet teeth and take up the slack in the connecting rod when the brake-operating lever is released, and a holding pawl co-operating with the ratchet teeth to hold the latter from moving with the pull pawl on the reverse movement of the latter.

1,741,366. PANEL FOR DRIERS. ALPHEUS O. HURX-
THAL, Philadelphia, Pa., assignor to Proctor & Schwartz,
Incorporated, Philadelphia, Pa., a Corporation of
Pennsylvania. Filed Apr. 13, 1926, Serial No. 101,841.
Renewed July 15, 1929. 10 Claims. (Cl. 72-16.)



1. The combination of inner and outer plates spaced apart; and a channel member located between the plates, the channel member having a series of perforations in line with one of said plates, so that the plate can be punctured at one of the perforations to allow a bolt or other fastening to be attached to the channel member by which a machine element or structural member can be secured to the channel.

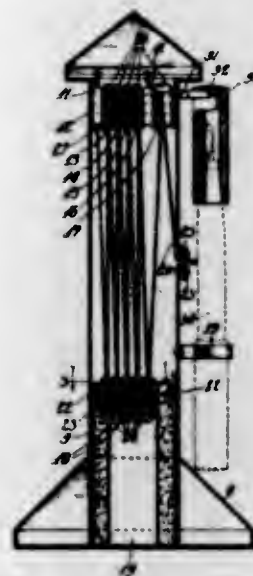
1,741,367. AIR FILTER. RICHARD IRVIN, Knoxville, Pa.
Filed Nov. 5, 1926. Serial No. 146,421. 4 Claims.
(Cl. 261-80.)



1. In air-filtering apparatus, and in combination with a conduit through which air advances in a horizontally

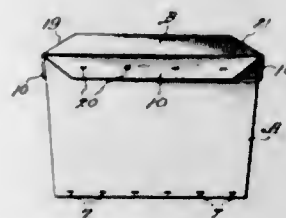
flowing stream and a pool of liquid arranged beneath the path of stream flow, of an endless filter member with vertical reaches rising from and descending to such pool of liquid and in their rise and descent extending across the path of stream flow, the endless filter member including louver-boards which extend substantially across the breadth of the air conduit, each louver-board comprising a plate so bent that the several bent portions of such plate lie in different intersecting planes, the lines of intersection of such planes with a horizontal plane being parallel, the successive louver-boards forming by and between themselves passageways for the air to be filtered which are of the full width of the air conduit and devious in the direction of stream flow.

1,741,368. PEN AND PENCIL MOUNT. EDWARD E.
JOHNSON, Fort Madison, Iowa, assignor to W. A. Sheaf-
fer Pen Company, Fort Madison, Iowa, a Corporation of
Delaware. Filed June 18, 1923. Serial No. 646,042.
20 Claims. (Cl. 120-8.)



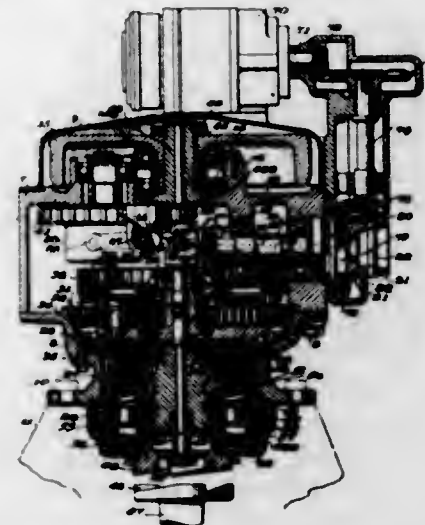
1. A writing implement mount comprising a housing having a chain guide and an opening in one side wall thereof, a chain in the housing and extending out through the chain guide, a clip on the outside of said housing, for attaching a writing implement to the end of the chain extending out through said chain guide, a weight associated with said chain to act thereon to pull the said writing implement toward said housing and coacting with said clip to hold the writing implement in a predetermined position relative to said housing, and a weight guide within said housing.

1,741,369. PAPER PACKAGE AND DISPLAY COVER
THEREFOR. HENRY E. KONDOLF, Brooklyn, N. Y.
Filed Jan. 7, 1926. Serial No. 79,867. 5 Claims. (Cl.
229-51.)



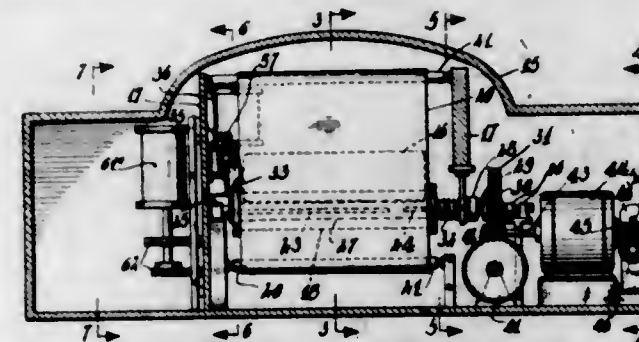
1. A paper container having a cover provided with flanges connected to the sides of the container walls, and having a mutilatable display lid and having surface cuts diagonally connecting the corners of such display lid with the corners of the cover proper, the display lid being positioned above the plane of the upper edges of the container walls, and the portions of the cover between the display lid and the container walls being inclined upwardly from the container walls to the display lid.

1,741,370. ENGINE-STARTING APPARATUS. RAYMOND
P. LANSING, Montclair, N. J., assignor to Eclipse Ma-
chine Company, Elmira Heights, N. Y., a Corporation of
New York. Filed Oct. 25, 1928. Serial No. 315,042.
17 Claims. (Cl. 123-179.)



1. In an apparatus for starting internal combustion engines, a flywheel, means for rotating said flywheel at high speed including a cranking shaft, the cranking shaft constituting a driven member after the flywheel has been energized, a rotatable member adapted to be driven by said flywheel, and means interposed between the rotatable member and the cranking shaft for transmitting motion of the flywheel to the rotatable member.

1,741,371. ELECTRIC STATION INDICATOR. MIGUEL
P. MARTINEZ, New York, N. Y. Filed Oct. 11, 1927.
Serial No. 225,417. 3 Claims. (Cl. 40-53.)



1. In a device of the class described, means for changing web rollers to driver or driven, comprising a frame having stationary shafts supported therein, web rollers rotatably and slidably mounted on said stationary shafts, rotatable shafts with driver gears thereon, a clutching device between the driver gears and the web rollers, means for normally urging the slidable web rollers so that the clutching device is disengaged, an arm pivotally mounted intermediate of its ends on the frame, wedge members on the ends of the arm, capable of moving the web rollers so that the clutch devices engage, and a solenoid for moving the arm so that only one wedge acts against a roller at one time.

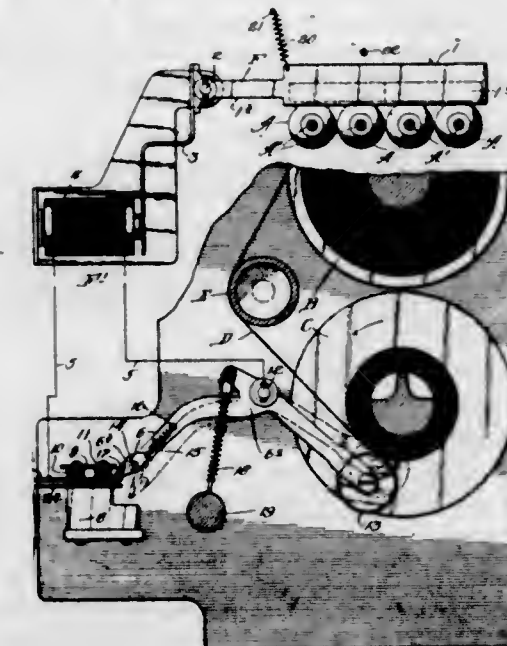
1,741,372. SOCKET OR MOUNTING FOR VACUUM
TUBES. GEORGE J. MEUER, Milwaukee, Wis., assignor,
by mesne assignments, to Cutler-Hammer, Inc., Milwau-
kee, Wis., a Corporation of Delaware. Filed Aug. 28,
1925. Serial No. 53,037. 5 Claims. (Cl. 173-328.)



1. In a vacuum tube socket or mounting, the combination with a molded insulating base having an integral upward-

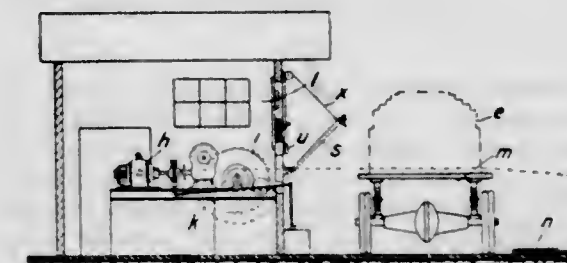
ly extending projection, the upper surface of said projection being of disk-shape, said projection having a plurality of radially arranged lateral openings, and a plurality of pairs of upstanding frictional contact clips freely insertable through said openings, said clips having integral terminal portions arranged at substantially right angles thereto and secured to the upper surface of said base.

1,741,373. ROSIN-APPLYING DEVICE. HERBERT S.
MILLS, Oak Park, Ill., assignor to Millis Novelty Com-
pany, Chicago, Ill., a Corporation of Illinois. Filed
July 9, 1925. Serial No. 42,459. 1 Claim. (Cl. 84-
11.)



In a musical instrument of the viol class, a device for applying rosin to the bows comprising a pivotally mounted rosin-holder equipped with an armature, a solenoid adapted to move said armature in such direction as to move the rosin-applying device into contact with the bows and circuit-controlling means for said solenoid comprising a contact-plate and an associated insulation plate provided with means for permitting adjustment relative to said contact plate, a pivotally mounted lever having an arm equipped with means adapted to co-act with the music sheet on a take-up roll, and a spring-held pivotally mounted contact-member carried by said lever and equipped with an insulation piece adapted to prevent closing of the circuit in one direction of movement of said lever, said pivotally mounted contact-member being adapted to be arrested by said insulation plate during the other direction of movement of said lever and then snap into contact with said contact-plate.

1,741,374. LOADING PLANT. WILHELM LOUIS MÖRTZ,
Wandsbek, near Hamburg, Germany. Filed June 7,
1927, Serial No. 197,120, and in Germany Nov. 25, 1926.
1 Claim. (Cl. 214-38.)



A loading-plant for stones hardened in hardening-bollers, comprising in combination platform-wagons for the material in the hardening-bollers, a ditch in front of the

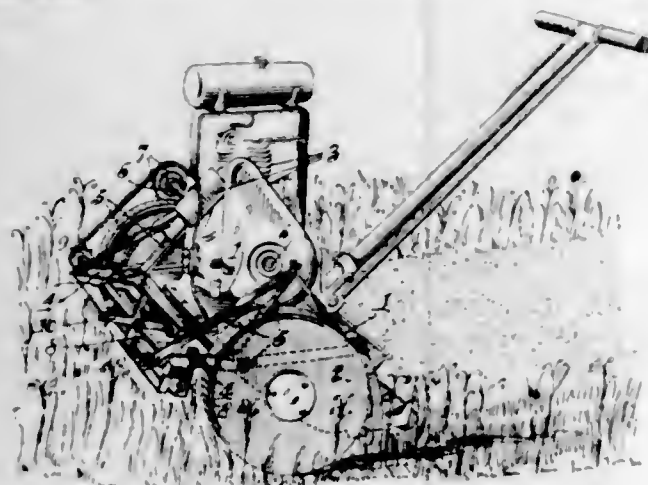
hardening-boiler, an engine-house at some distance from said hardening-boiler, a track in said ditch and extending to a short distance from said engine-house, a loading bridge in said ditch on said track, a trap on the front end of said loading bridge, a conveying wagon between said engine-house and the track end, a capstan on said track, a winch in said engine-house, an engine for driving said winch, a pull rope from said engine-house for pulling said platform-wagons with the material onto said loading-bridge, and for pulling said loading bridge over said track to said conveying wagon, and the material from said loading bridge over said trap onto said conveying wagon, an arm downwardly inclined and fixed on the axle of the front wheels of said loading-bridge, a stop consisting of a rack at the end of said track designed to securely hold said inclined arm, and arms having books, oscillatably mounted on the outer wall of said engine-house and designed to securely hold said conveying wagon so that it cannot shift in any direction with regard to said track.

1,741,375. CURRENT-EQUALIZING DEVICE. ELIOT W. NILES, Bloomfield, N. J., and WILLIAM H. EDWARDS, Bay-side, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 24, 1928. Serial No. 307,834. 3 Claims. (Cl. 171-229.)



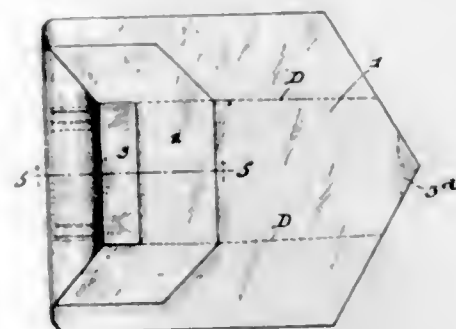
1. An electrical circuit comprising in series a load, a source of current, and a device for minimizing variations in the current flow from said source to said load, said device comprising a contact rectifier of the electronic type poled to oppose the flow of current from said source.

1,741,376. CUTTING REEL FOR LAWN MOWERS. FRANK MONTGOMERY RITTER, Washington, D. C., assignor of three-fourths to James Vansandt Hutchins, Washington, D. C. Original application filed Aug. 26, 1927, Serial No. 215,720. Divided and this application filed June 9, 1928. Serial No. 284,135. 2 Claims. (Cl. 56-294.)



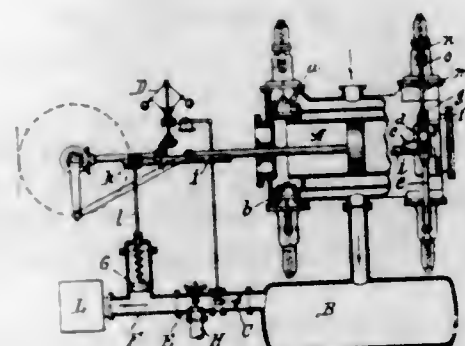
1. A topping reel for lawn mowers comprising a shaft section projected at its ends to form trunnions, a pair of longitudinal end plates arranged transversely of the shaft and at right angles to each other, a center cross arm spider having one cross arm opposed to each end plate, straight cutter bars removably secured across the ends of aligning pairs of the said end plates and cross arms, cutter blades carried by the cutter bars having one of their edges extended beyond the bars in the direction of rotation, and means whereby rotation may be imparted to the shaft.

1,741,377. INSULATING WRAPPER. GEORGE B. SCARLETT, Kennett Square, Pa., assignor to The Glacier Corporation, Kennett Square, Pa., a Corporation of Delaware. Filed July 27, 1928. Serial No. 295,816. 5 Claims. (Cl. 229-87.)



1. An insulating wrapper embodying an outer main sheet elongated in length and width, and an inner flexible soft pad that includes a thick fibrous mass layer providing insulation against heat exchange, said pad coupled to the outer sheet and arranged on the inner side thereof, said wrapper adapted to be rolled up enclosing the article and refrigerant and to be tucked in to cover the ends of the space occupied by the article and refrigerant, with the insulating pad surrounding said space.

1,741,378. PROCESS AND APPARATUS FOR OBTAINING POWER AND HEAT FROM STEAM. WILHELM SCHMIDT and OTTO HARTMANN, Cassel-Wilhelmshöhe, Germany, assignors to Schmidt'sche Heissdampf-Gesellschaft m. b. H., a Corporation of Germany. Filed July 9, 1921, Serial No. 483,567, and in Germany Jan. 26, 1920. 3 Claims. (Cl. 60-89.)

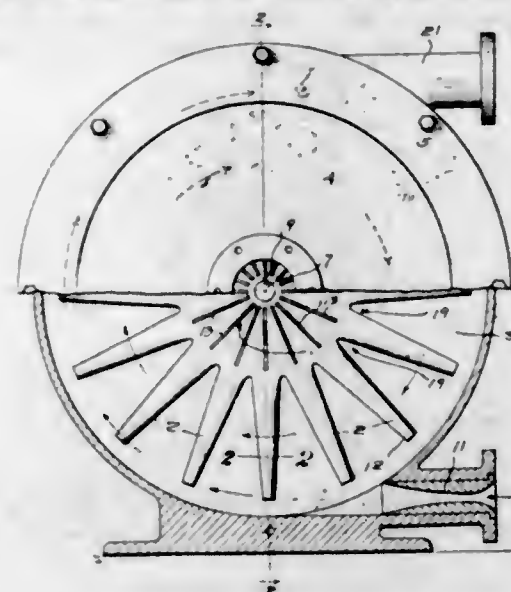


3. In combination a steam engine, a governing device driven by such engine, a heat utilizing apparatus, a conduit connecting the exhaust port of the engine with said apparatus, a throttle in said conduit, an operative connection from said governing device to said throttle so arranged that an increase or decrease of the engine speed will cause the governing device, through such connection, to move the throttle away from or toward its fully open position, respectively, and a pressure operated regulator exposed to and operated by the pressure beyond said throttle, for governing the supply of steam to the engine.

1,741,379. STEAM TURBINE. THOMAS B. SLATE, Arcadia, Calif., assignor to Slate Aircraft Corporation, a Corporation of Nevada. Filed Apr. 12, 1927. Serial No. 183,090. 8 Claims. (Cl. 253-133.)

7. In a steam turbine, the combination of a rotor having spokes radiating from a hub, said spokes being elliptical in cross section and tapering toward their ends, a shaft on which the rotor is keyed, a housing encircling the rotor and spaced from it to provide a continuous chamber around the rotor spokes, inlet nozzles opening into the rotor housing in planes tangential to the periphery of

the interior of the rotor housing, the housing having an exhaust passage positioned in approximately the same plane as the hub of the rotor, it being required that the

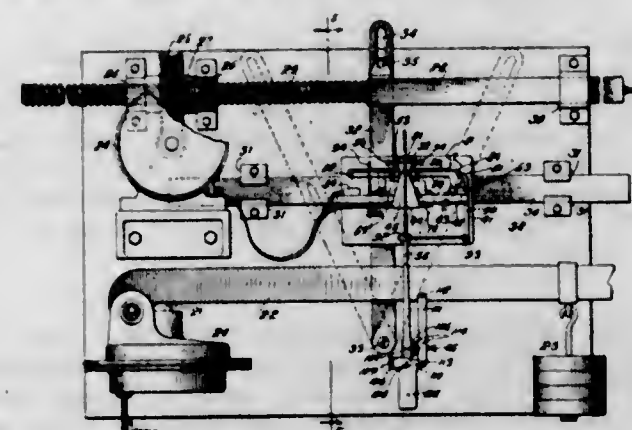


steam move continuously in a centripetal direction toward the hub of the rotor and discharge through the aforesaid exhaust passage.

1,741,380. MANUFACTURE OF CORDEAU. WALTER O. SNELLING and CLARENCE B. KOCH, Allentown, Pa., assignors to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1925. Serial No. 59,702. 9 Claims. (Cl. 102-8.)

8. The process which comprises filling a tube with a fused detonating agent, cooling to solidify the detonating agent, and thereafter comminuting the solidified detonating agent by hammer blows directed upon the wall of the tube.

1,741,381. MOTIVE-POWER REGULATOR. JAMES D. SPILLANE, Bronx, N. Y., assignor, by direct and mesne assignments, to The Constantator Co., Inc., New York, N. Y., a Corporation of New York. Filed June 2, 1923. Serial No. 648,134. 21 Claims. (Cl. 200-81.)



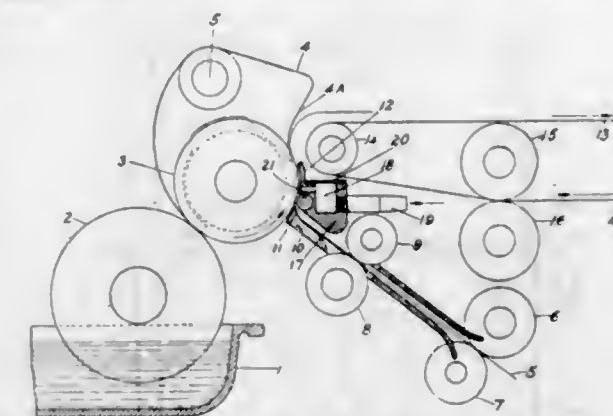
19. A switch for controlling a reversible motor to actuate an adjustable mechanism, means for supporting the switch to slide bodily, mechanism operated by said motor to slide the switch in one direction or the other in accordance with the direction of rotation of the motor, and pressure operated means for closing the switch, said pressure operated means being responsive to conditions governed by the reversible motor.

1,741,382. COATING APPARATUS. JOHN STODGELL STOKES, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 28, 1925. Serial No. 5,187. 27 Claims. (Cl. 91-50.)

11. Apparatus for applying coatings to sheets having raised portions adjacent their corners, comprising a ro-

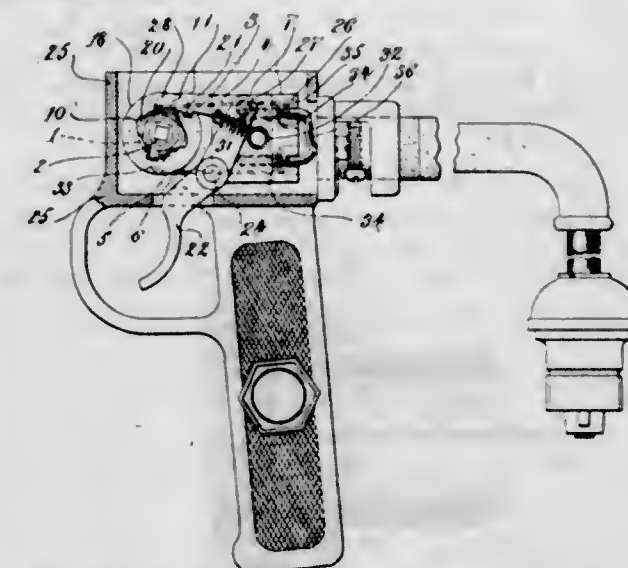
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tatable coating roll, means for bringing a corner and a raised portion of a sheet into contact with said roll, and means for applying air under pressure directly to the back of the sheet at an area thereof contiguous to said raised portion.



26. In the art of applying coating material to sheets, the method which comprises effecting contact between a sheet and a moving surface bearing thereon coating material, effecting relative movement between said surface and the sheet in contact therewith, and during said relative movement, applying air under pressure to the sheet to force it into more intimate contact with said surface.

1,741,383. TRIGGER SWITCH. WALTER STUMPF, Baltimore County, Md., assignor to The Black & Decker Manufacturing Company, Towson, Md., a Corporation of Maryland. Filed Mar. 26, 1926. Serial No. 97,601. 3 Claims. (Cl. 200-157.)

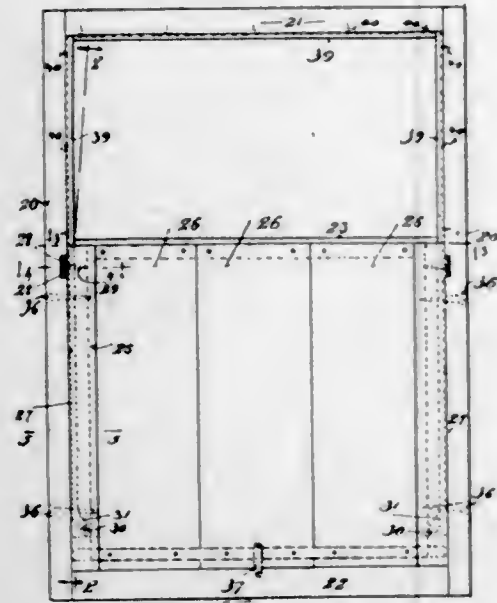


1. An electric switch having a substantially cylindrical contact block of nonconducting material with a laterally extending contact member mounted on the surface of the block, contact blades bearing on the surface of the contact block, two of said blades engaging said member in one position of the contact block, an insulating baffle projecting radially from the block and intersecting the contact surface of the contact member between the blades and means for imparting a quick making and breaking motion to the contact block and positioning the block in on and off position, comprising a cam member connected to the contact block to rotate therewith and having steeply inclined surfaces corresponding to the making and breaking position of the contact block and depressions corresponding to the on and off positions, a spring pressed follower engaging the surfaces of the cam and rotating means comprising a ratchet connected to the contact block, and a pawl.

1,741,384. AUTOMOBILE DOOR CONSTRUCTION. GEORGE TASMAN, Brooklyn, N. Y. Filed Oct. 17, 1925. Serial No. 62,984. 3 Claims. (Cl. 296-44.)

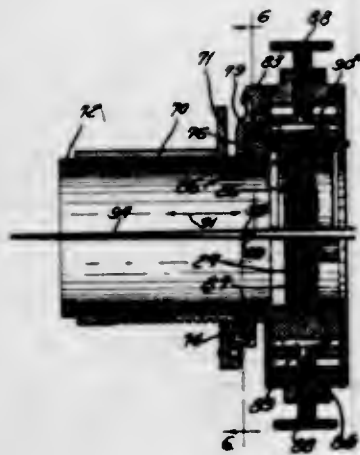
1. An automobile door comprising door pillars and spacing rails to form a frame door, a belt rail to divide said

door into a window portion and a panel portion, a panel frame fitting within said panel portion, lugs on said panel frame, and window channels secured to said lugs near



the upper part of said panel and a screw member for fastening the lower part of said channel to said panel, said channels forming a guide for the window glass.

1,741,385. PROJECTOR FOR COLORED MOTION PICTURES. WILLIAM M. THOMAS, Los Angeles, Calif., assignor, by mesne assignments, to William M. Thomas and Foster A. Leonard, Los Angeles, Calif., a Copartnership. Filed Sept. 5, 1923. Serial No. 660,967. 2 Claims. (Cl. 88-164.)

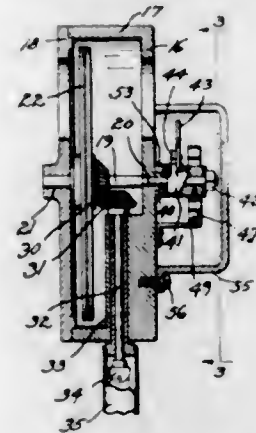


1. In a projector, the combination of: means producing a shaft of projecting light; mechanism for advancing a motion picture film across said shaft of light; two projection lenses one for each of two adjacent frames of said film, said lenses being disposed close together so that the images of said frames are transmitted by said light through said lenses and are projected in superimposed relation upon a receptive surface; means for resiliently urging said lenses outwardly; and means for sliding one of said lenses longitudinally upon said septum.

1,741,386. APPARATUS FOR PHOTOGRAPHICALLY MARKING FILM DURING THE EXPOSING THEREOF. WILLIAM M. THOMAS, Los Angeles, Calif. Filed Apr. 1, 1925. Serial No. 19,845. 6 Claims. (Cl. 88-164.)

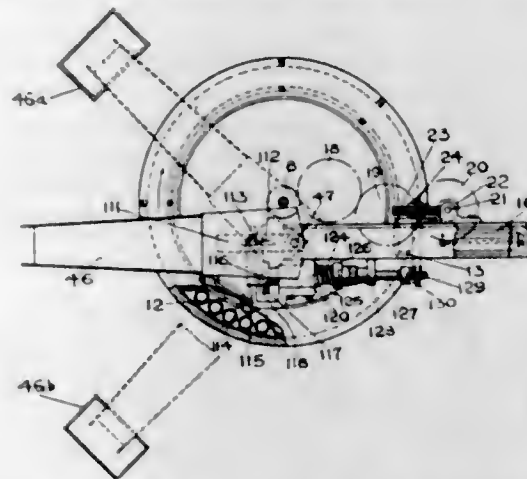
1. In combination: a camera having an objective, there being a film adapted to be moved past said objective dur-

ing the operation of said camera; marking means arranged to move into the path of light rays moving toward said film from said objective; and mechanism operatively con-



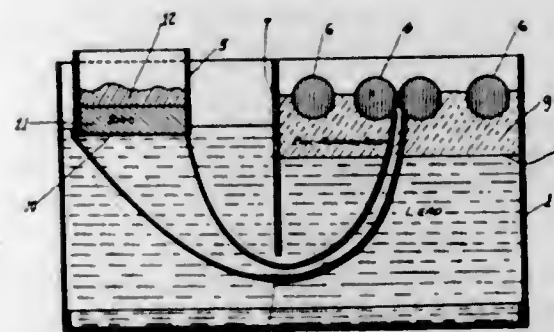
nected to said camera for actuating said marking means only during a change of speed in the operation of said camera.

1,741,387. COUNTING MECHANISM. VINCENT WAITKUS, Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y., a Corporation of New York. Filed July 21, 1927. Serial No. 207,371. 7 Claims. (Cl. 235-98.)



1. In a counting mechanism, and in combination, a counter, means for presenting articles to said counter, means whereby the counted articles are conducted away from said counter along a given path, and means operated automatically upon the completion of a predetermined count whereby the conducting means conducts the conducted articles away from the counter along a different path.

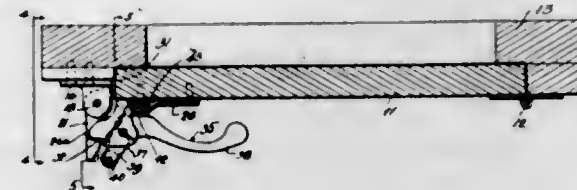
1,741,388. METAL COATING METAL SHEETS. EARL R. WEHR and CARL C. MAHLIE, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Sept. 13, 1926. Serial No. 135,275. 6 Claims. (Cl. 91-70.2.)



1. A process of coating metal sheets which consists of passing them through a flux into a molten body of zinc floating on a molten metallic bath of a heavier metal, down

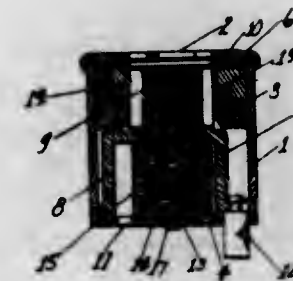
through said molten metallic bath of a heavier metal, and up through a molten metallic body containing zinc and alloying material and floating on the molten bath of a heavier metal, said heavier metal being such as will not substantially absorb said zinc alloy.

1,741,389. LATCH. ELIHU C. WILSON, Los Angeles, Calif. Filed Sept. 27, 1926. Serial No. 137,841. 7 Claims. (Cl. 292-254.)



1. In a device for latching the swinging end of a hinged member to another member towards and away from which the first mentioned member swings, a substantially T-shaped latch movably connected to one of the members and adapted to cooperate with spaced shoulders on the other member, when the two members are in predetermined relative positions, to hold said other member from swinging away from said one member; and means on said other member adapted to be moved to engage the latch and move it from said cooperative association with said other member.

1,741,390. LOCK. SOLOMON WISE, Cincinnati, Ohio. Filed June 17, 1927. Serial No. 199,600. 9 Claims. (Cl. 70-46.)

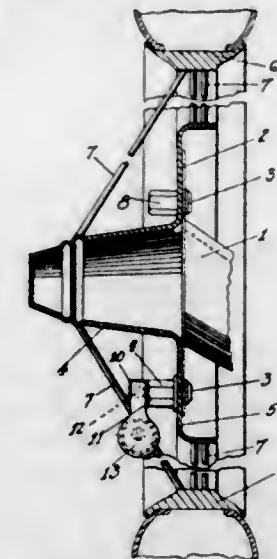


3. In a lock the combination of a casing, a movable member revoluble within the casing, means retained movably but in non-revoluble position within the casing and adapted to retain said revoluble member against turning, and means revoluble with the said member, tubular coaxial tumblers forming part of said two means, whereby means as a key can be used for bringing said tumblers to a position where said non-revoluble means does not interfere with the movement of the revoluble member, and an element operated by one of the movable parts above referred to, for actuating a desired mechanism.

1,741,391. LOCK FOR SPARE WHEELS. SOLOMON WISE, Cincinnati, Ohio. Filed Mar. 8, 1928. Serial No. 200,216. 7 Claims. (Cl. 70-90.)

1. A lock mechanism comprising a body having two parts rotatable relative to each other, tongues on each of

said parts having plane sides and plane interspaced faces, and a lug upon the face of one of said tongues approaching



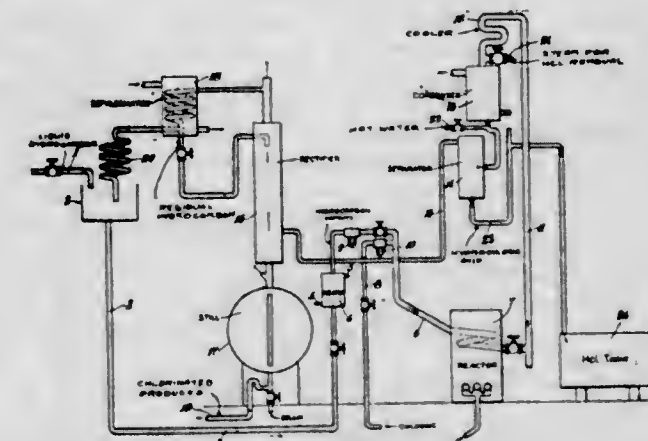
the face of the other tongue adapted to be uncovered by movement thereof, and locking means to prevent the relative movement of said parts.

1,741,392. SPLICED PAPER REED. GEORGE B. AMBLER, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a Corporation of Massachusetts. Filed Nov. 23, 1927. Serial No. 235,241. 8 Claims. (Cl. 154-43.)



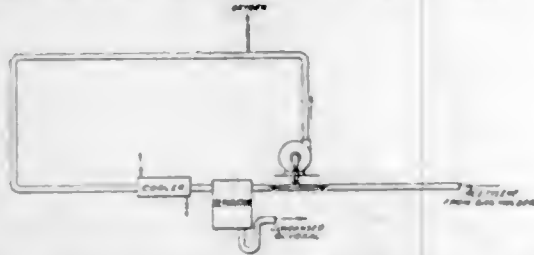
7. A method of splicing paper reed which consists in untwisting the end of one piece to provide a socket and compacting and adhesively securing the walls of said socket about the twisted end of another piece.

1,741,393. CHLORINATION. EUGENE E. AYRES, JR., Swarthmore, Pa., assignor to The B. A. S. Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 22, 1925. Serial No. 45,436. 8 Claims. (Cl. 260-166.)



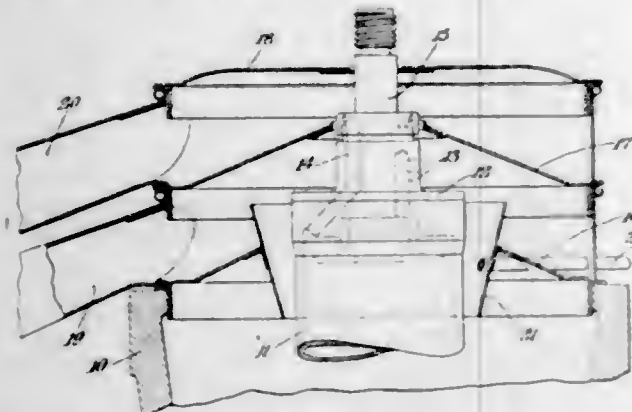
3. In the production of monochlorides of saturated hydrocarbons having more than two carbon atoms, the steps comprising mixing the vapor of the hydrocarbon with a lesser volume of chlorine gas, passing the mixture to a heating operation and thereby heating the mixture to a temperature sufficiently elevated to produce a preponderance of monochlorides and to completely react the chlorine in the absence of actinic rays and in the absence of electric discharge, and separating the chlorinated hydrocarbons from the products passing from the heating operation.

1,741,394. MANUFACTURE OF GLYOXAL AND GLYCOLIC ACID. EUGENE E. AYRES, Jr., Chester, Pa., assignor to The B. A. S. Company, Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 28, 1927. Serial No. 236,136. 13 Claims. (Cl. 260—139.)



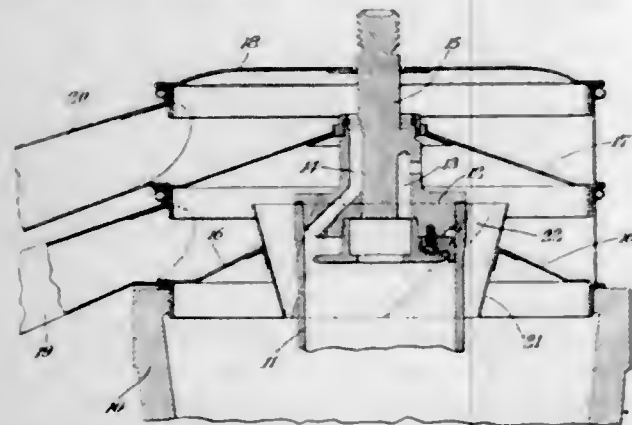
1. The method comprising reacting acetylene gas directly with ordinary oxygen and thereby forming glyoxal.
13. The method comprising continuously circulating acetylene at high velocity countercurrent to and in contact with a stream of caustic soda solution while introducing fresh acetylene to gases having contact with the solution and introducing oxygen in small proportion to gases passing to contact with the solution.

1,741,395. CENTRIFUGAL MACHINE. WILMER H. BATH, West Conshohocken, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 10, 1928. Serial No. 311,560. 4 Claims. (Cl. 233—46.)



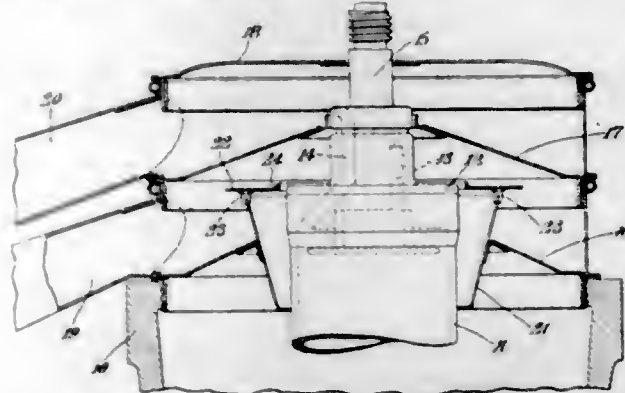
1. In a centrifugal machine, a casing, a bowl rotatably mounted therein, covers forming chambers for receiving liquids discharged from said bowl, an inverted frusto-conical collar carried by one of said covers and a passageway for conducting air to the space between said member and the bowl.

1,741,396. CENTRIFUGAL MACHINE. WILMER H. BATH, West Conshohocken, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 10, 1928. Serial No. 311,561. 6 Claims. (Cl. 233—21.)



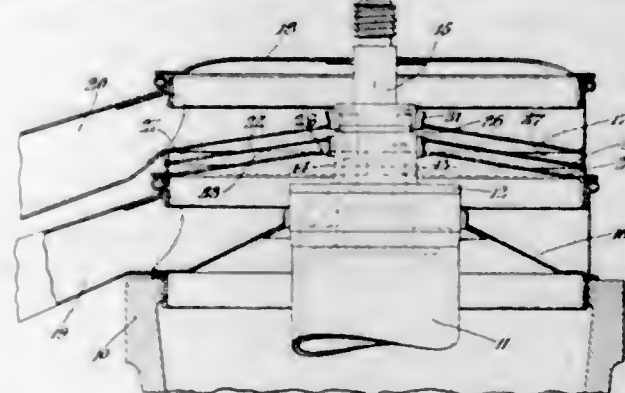
1. In a centrifugal machine, a casing, a bowl rotatably mounted therein, covers forming chambers for receiving liquids discharged from said bowl, an inverted frusto-conical collar carried by one of said covers and helical vanes projecting from the inner face of the collar toward the bowl.

1,741,397. CENTRIFUGAL MACHINE. WILMER H. BATH, West Conshohocken, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 10, 1928. Serial No. 311,562. 6 Claims. (Cl. 233—21.)



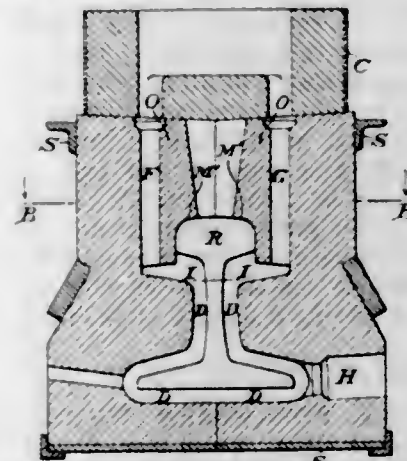
1. In a centrifugal machine, a casing, a bowl rotatably mounted therein, covers forming chambers for receiving liquids discharged from said bowl, an inverted frusto-conical collar carried by one of said covers and an annular plate supported above the upper edge of said collar.

1,741,398. CENTRIFUGAL MACHINE. WILMER H. BATH, West Conshohocken, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 10, 1928. Serial No. 311,563. 9 Claims. (Cl. 233—21.)



1. In a centrifugal machine, a casing, a bowl rotatably mounted therein, covers forming chambers for receiving liquids discharged from said bowl, an upwardly flaring collar carried by one of said covers, an air passageway communicating with the space between the bowl and collar at a point intermediate the edges of the collar and an air passageway terminating adjacent the lower edge of said collar.

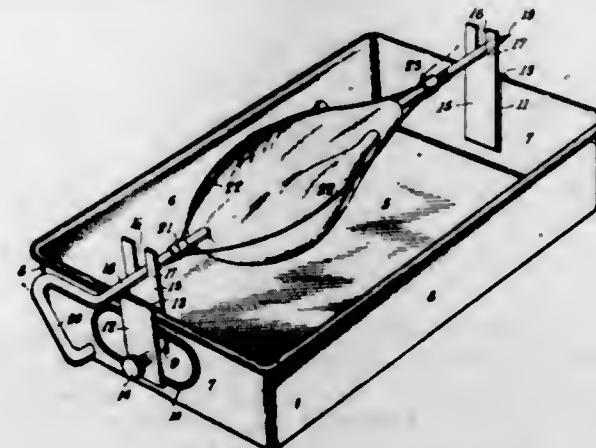
1,741,399. METHOD AND MEANS FOR THE ALUMINO-THERMIC WELDING OF RAILS AND THE LIKE. EDWARD F. BECTRUP, Jersey City, N. J. Filed Apr. 3, 1929. Serial No. 352,096. 4 Claims. (Cl. 22—206.)



2. The method of welding railway rails, which comprises enclosing the rail ends in a mold, filling the mold

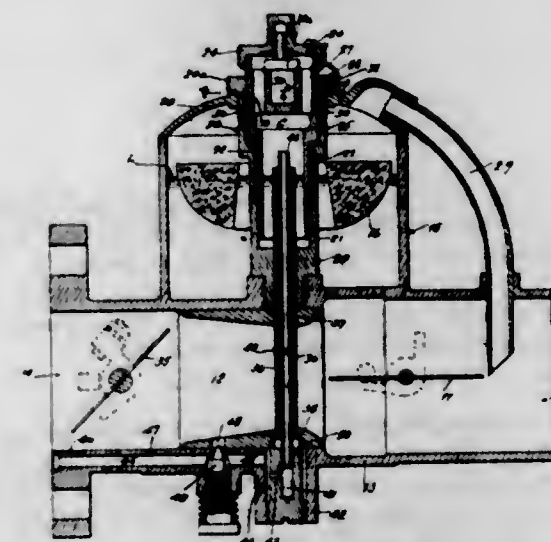
space about the bases and webs of the rails with aluminothermic steel and the spaces adjacent the rail heads with the slag of the aluminothermic reaction, shielding portions of the tread and gauge faces of the rails from contact with said slag by engaging said faces with interior walls of the mold, and pressure welding the heads under heat from the aluminothermic slag.

1,741,400. ROASTING-PAN-SPIT DEVICE. ERNEST BOCCINO, Newark, N. J. Filed Mar. 13, 1929. Serial No. 346,543. 4 Claims. (Cl. 53—6.)



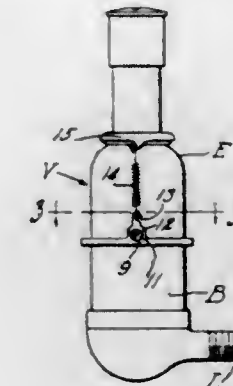
3. A roasting pan having upright supports at its ends, a spit engageable with said supports, a collar slidable on the spit, a plurality of resilient arms fixed in said collar to extend in spaced apart essentially parallel relation, and a sleeve slidable on said spit to removably engage the free ends of said arm.

1,741,401. CARBURETOR. HARRY F. BAYAN, Chicago, Ill., assignor to Ensign Carburetor Company, Los Angeles, Calif., a Corporation of California. Filed Feb. 16, 1927. Serial No. 168,564. 4 Claims. (Cl. 261—1.)



1. In a carburetor, the combination of a body having an air and mixture passage therethrough, a Venturi tube in the passage, a fuel supply means above the body, and a fuel feed tube and a suction tube extending across the Venturi tube between the fuel supply means and the lower wall of the Venturi tube, the Venturi tube having an opening in its lower wall into which the lower end of the fuel feed tube extends to form therewith a trap, the suction tube being within the fuel feed tube and extending down through the lower Venturi wall, the body wall having an opening therethrough below the Venturi wall opening, a conduit extending between said suction tube and the mixture passage, and a removable plug in said body wall opening and in which the suction tube is mounted at its lower end.

1,741,402. RADIATOR VALVE. ALEXANDER A. CAMPBELL, West Springfield, Mass. Filed Sept. 21, 1927. Serial No. 221,098. 1 Claim. (Cl. 137—122.)



The combination of a radiator vent valve including a cylindrical body having an upper side provided with inwardly and upwardly tapering surfaces with a vacuum valve comprising, a cylindrical body, a flange at the lower side thereof formed to provide an annular seat for receiving an annular packing ring, an annular packing ring of yieldable material in said seat having an inner diameter which is less than the outer diameter of said vent valve body for resting on the upper tapering surfaces thereof, a member for encircling the body of the vent valve, means associated therewith for clamping said member to said body, springs connected to said member and said flange at the lower side of the vacuum valve body whereby the packing ring is pressed between the vent and vacuum valve bodies, a valve in the upper side of said vacuum valve body and a cap for embracing the upper side of said latter body to enclose said valve and provided with a vent port therethrough.

1,741,403. ROOFING STRIP. MAURICE L. CATON, Quebec, Canada, assignor to The Barrett Company, a Corporation of New Jersey. Filed Aug. 28, 1924. Serial No. 734,677. 1 Claim. (Cl. 108—8.)

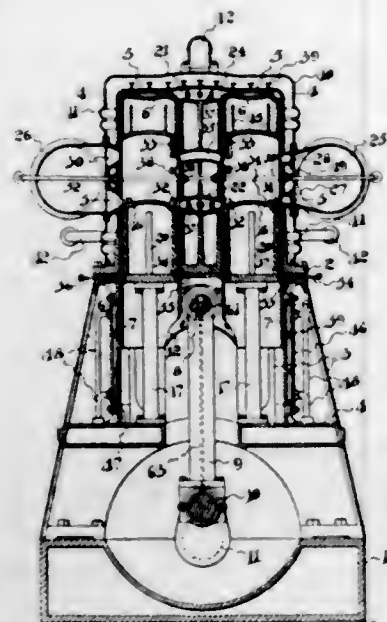


A strip of composition roofing material comprising felt saturated with waterproofing material, coated with plastic bituminous material and having a surface of wear-resisting material extending over a portion of the top surface of said strip, thus forming a selvedge edge thereon substantially parallel to one edge of said strip and a rib of bituminous material formed on said selvedge edge substantially parallel to said edge of said strip.

1,741,404. INTERNAL-COMBUSTION ENGINE. ADAM CRAIGON, Hamilton, Ontario, Canada. Filed Nov. 2, 1927. Serial No. 230,656. Renewed Nov. 18, 1929. 11 Claims. (Cl. 128—53.)

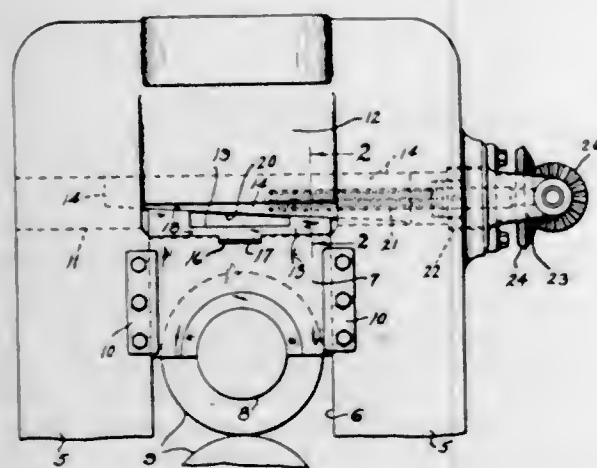
4. In an internal combustion engine including two cylinders arranged side by side; a trunk piston fitted in each cylinder; a stationary piston fitted in the sleeve of each trunk piston, whereby two combustion chambers are formed, one between the trunk piston and the end of the cylinder and one between the inside of the head of the trunk piston and the stationary piston; a passage connecting the outer ends of the cylinders; a passage connecting the cylinders in substantial alignment with the upper ends of the stationary

pistons; an inlet port in one cylinder and an exhaust port in the other cylinder in substantial alignment with the last mentioned passage adapted to be controlled by the sleeves of the trunk piston; ports in the trunks of the pistons adapted to form a communication between the interiors of said trunks and the last mentioned passage when



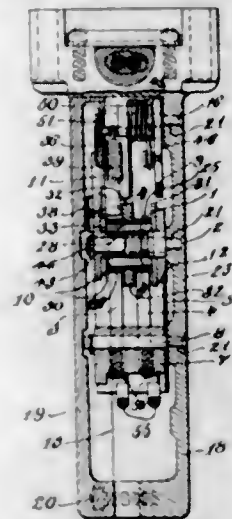
the inlet and exhaust ports are open to said interiors; and means associated with each of the passages aforesaid for effecting combustion, said passages being of oblate spheroidal form, the outer ends of the cylinders and the adjacent edges of the ends of the pistons also being shaped to continue approximately the curves of the inner and outer walls of the passage first mentioned.

1,741,405. ADJUSTING MEANS FOR ROLLING-MILL ROLLS. JAMES R. COE, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 19, 1928. Serial No. 271,148. 5 Claims. (Cl. 80-56.)



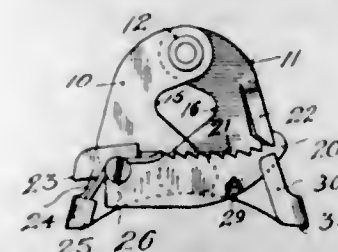
1. In a rolling mill including a housing member and a roll supporting member, a pair of wedges between the said members, one of said wedges being substantially rectangular in cross section, cooperating means between said wedge and one of the members to retain the wedge in position, the other member being provided with a cylindrical guideway extending transverse the axis of the roll, the other wedge being provided with a cylindrical wall to fit said guideway and a flat side to engage the other wedge, and a screw threaded in said second wedge for shifting said second wedge and concentric with said cylindrical wall so that said wedge can turn in the guideway about the axis of the screw.

1,741,406. SWITCH. ALONZO G. DECKER, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, Towson Heights, Md., a Corporation of Maryland. Filed Feb. 25, 1928. Serial No. 250,895. 11 Claims. (Cl. 200-157.)



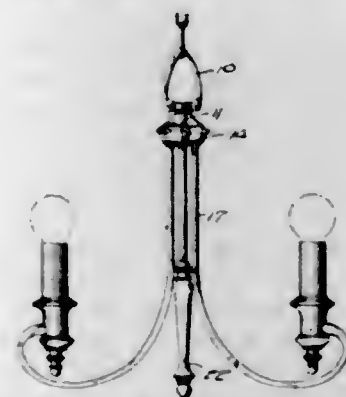
1. An electric switch for portable tools and the like comprising a contact block mounted to rotate therein, contact blades bearing on the contact block, means for supporting the blades, means in the form of a ratchet and pawl for imparting a step by step rotation to the block, a casing for the switch having a cover opening and a cover closing said opening, pivotal means in line with said opening for carrying the said switch members removably mounted thereon, said pivotal means and switch members being supported in said casing independently of the cover, the switch members being removable through the cover opening.

1,741,407. HAIR CLIP. ANGELO DIAZ, New York, N. Y. Filed Apr. 4, 1928. Serial No. 267,172. 2 Claims. (Cl. 132-36.)



2. In a hair clip, a pair of members having extending surfaces, said members united pivotally at one end thereof, a pivot member carried on one of said members, a spring and a lever mounted on said pivot member and a stop finger and a guide piece carried on the other member of said pair of members for engaging said lever.

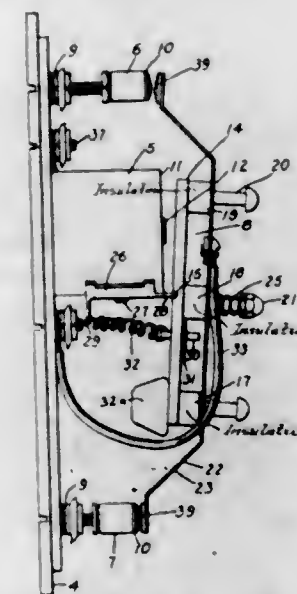
1,741,408. CHANDELIER. LEROY C. DOANE and ALBERT B. MCGRAW, Meriden, Conn., assignors to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Feb. 25, 1927. Serial No. 170,843. 4 Claims. (Cl. 240-78.)



1. A chandelier comprising a distributor having a central aperture, a plurality of holes for lead wires arranged

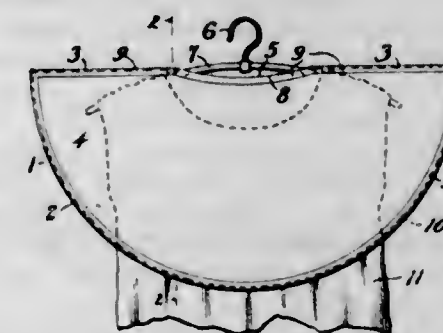
about the aperture, and recesses in the underside of the distributor communicating with the wire holes, a plurality of chandelier arms having their upper ends entering the recesses, a stem passing through the central aperture, means carried by the lower part of the stem to engage the arms, and a nut on the upper part of the stem for clamping the distributor against the arms.

1,741,409. RELAY SWITCH. JOHN STRUTHERS DUNN, Philadelphia, Pa. Filed Sept. 8, 1925. Serial No. 55,000. 8 Claims. (Cl. 200-104.)



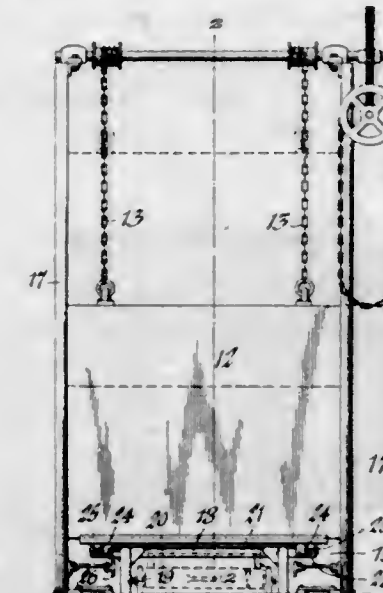
1. A double-pole double-throw relay switch comprising a base member, a pair of stationary contact members at each end thereof, a stationary magnetizable core member mounted on the base, a magnetizable armature pivoted at its central point on one side of the core member, a spring mounted with respect to the core structure for normally biasing the armature to its inoperative position, a pair of elongated conducting members and resilient means substantially at the middle of the conducting members and the armature member for mounting said conducting members longitudinally of the armature member for engaging the pair of stationary contact members alternately.

1,741,410. GARMENT PROTECTOR. BENJAMIN EDELMAN, New York, N. Y. Filed Sept. 30, 1926. Serial No. 138,715. 1 Claim. (Cl. 223-61.)



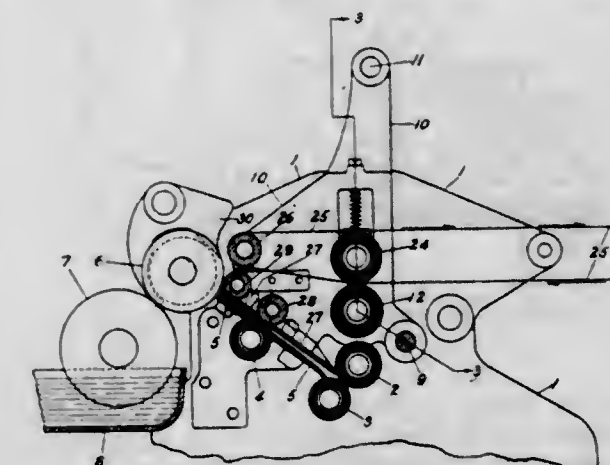
For use in combination with a garment hanger having a yoke and a hook projecting from the center of the yoke, a garment protector, comprising a substantially circular integral piece of flexible sheet material having a crease along the center line of the same, whereupon it may be folded and then placed on the garment hanger, its creased portion resting on the shoulder portion of the garment and two depending substantially semicircular halves protecting the front and the back of the garment, respectively, said piece of material also having an opening provided about its center to receive the projecting hook of the garment hanger, and reinforcing strips of flexible material pasted around the inner and outer edges and along the creases of said circular piece of material.

1,741,411. ELECTRIC FURNACE. JOSEPH R. EVES, Buffalo, N. Y., assignor to Falls Electric Furnace Corporation, Buffalo, N. Y., a Corporation of New York. Filed Jan. 20, 1928. Serial No. 248,175. 5 Claims. (Cl. 263-28.)



1. An electric furnace, comprising a heating chamber open at its bottom and having a door at its front end, a trough-shaped member containing a sealing material extending around the sides and rear end of the furnace chamber adjacent its bottom, a wheelless carrier for the material to be heat-treated movable into and out of the furnace and forming a closure for the bottom thereof in its operative position, means for conveying said carrier into and out of the furnace and for moving it vertically toward and from the trough-shaped member, and aprons depending from the sides and rear end of said wheelless carrier for sealing engagement with the material in said trough-shaped member.

1,741,412. SHEET FEEDER AND CONVEYER. THEODORE A. FEDERWITZ, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 28, 1925. Serial No. 5,225. 18 Claims. (Cl. 91-50.)

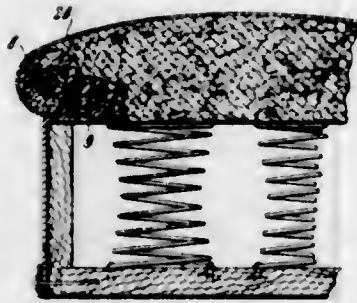


1. The combination with a coating-applying machine comprising a roll for applying a coating to a sheet, a sheet-engaging roll between which and said first named roll a sheet is fed, and a guide member for directing a sheet between said rolls, a second guide member spaced from said guide member, of a movable support for said second named roll and second named guide member for moving them to position permitting access between said rolls and guide members.

12. The combination with a coating-applying machine comprising a roll for applying coatings to sheets, of co-

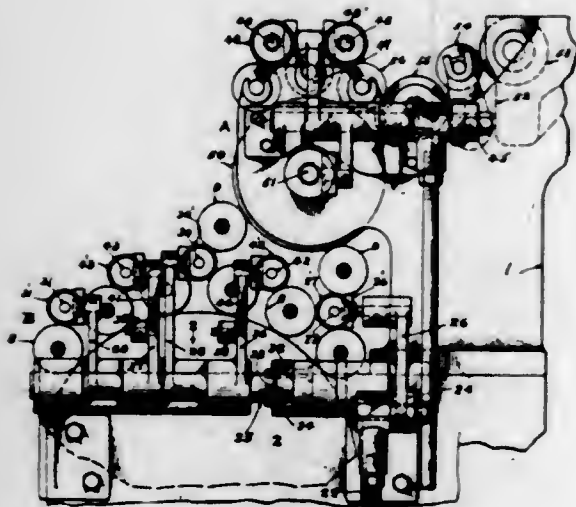
acting feed rolls for feeding sheets in succession toward said first roll, guide members spaced from each other, a support for one of said rolls and one of said guide members, and means for pivoting said support to permit access between said rolls and guide members.

1,741,413. UPHOLSTERY EDGE. HARRY FOX, Lowell, Mass. Filed Oct. 19, 1925. Serial No. 313,469. 6 Claims. (Cl. 155-184.)



1. In an upholstery edge comprising a pair of superposed strips of fibrous material, one of said strips being wider than the other, a line of stitching fixing the strips together between their side edges, said strips being folded longitudinally to cause the wider of said strips to envelop the narrower strip, and means for securing together the margins of said wider strip beyond the edges of said narrower strips.

1,741,414. INKING MECHANISM FOR PRINTING MACHINES. ALBERT J. GRAF, Westfield, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 15, 1927. Serial No. 240,088. 12 Claims. (Cl. 101-350.)



1. In an inking mechanism for printing presses, the combination with a form cylinder, of a plurality of ink distributing rolls, and a power means for effecting a vibratory movement of the rolls, which means is independent of the rest of the press, whereby the rolls may be manipulated as desired at speeds varying from press speed.

1,741,415. ARTIFICIAL EYELASHES FOR DOLLS. PERCIVAL HARRIS, New York, N. Y. Filed Apr. 3, 1928. Serial No. 266,974. 4 Claims. (Cl. 46-40.)

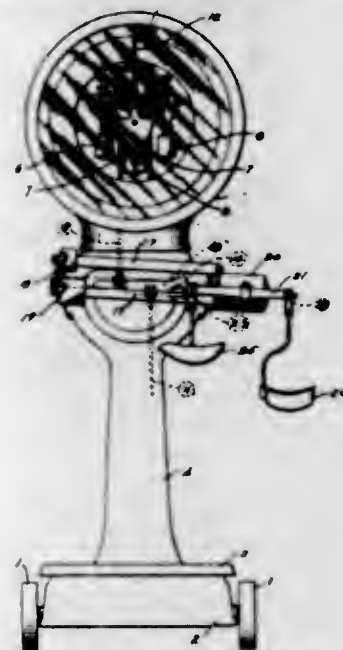
1. In combination, a doll's head bearing a representation of an eye thereon, a thin slit cut in the wall of the head over the eye representation thereof, and an eye lash inserted in said slit, said eye lash comprising a fringe layer of hair strands and a supporting foundation therefor,

the supporting foundation consisting of a network of fabric strands interwoven with the strands of the hair layer



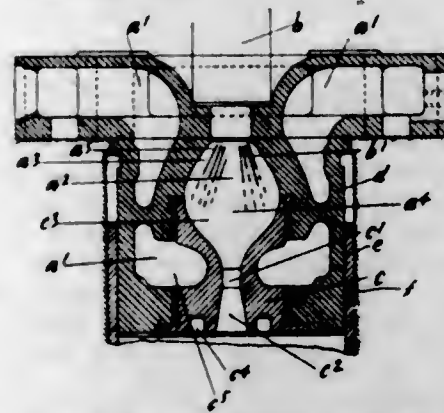
at one end of said layer, said eyelash being held directly between, cemented directly to, and supported directly by the walls of said slit.

1,741,416. SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Apr. 23, 1928. Serial No. 272,341. 5 Claims. (Cl. 265-62.)



1. In a device of the class described, in combination, a commodity-receiver, automatic load-counterbalancing mechanism, means connecting said commodity-receiver to said automatic load-counterbalancing mechanism, said connecting means including a lever, a bracket carried by said lever, load pivots carried by said bracket, one of said load pivots being at a substantially greater distance from the fulcrum of said lever than the other, and ratio pans supported by said load pivots.

1,741,417. VENTURI COMBUSTION CHAMBER FOR INTERNAL-COMBUSTION ENGINES. EDWARD R. HEWITT, Midvale, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 28, 1927. Serial No. 202,060. 4 Claims. (Cl. 123-33.)

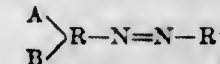


1. As an article of manufacture, a nozzle for introducing gases to an engine cylinder, said nozzle having a

passage therethrough comprising a Venturi throat in the form of a cylinder whose altitude is approximately equal to its diameter, an inlet flare leading to the throat, and an outlet flare on the other side of the throat.

1,741,418. MONAZO PYRAZOLONE DYE. KENNETH H. HOOVER, Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 9, 1925. Serial No. 61,589. 26 Claims. (Cl. 260-87.)

1. As new products, the monazo pyrazolone dyestuffs which correspond with the following probable formula



wherein R signifies a 1-(3'-sulfo-phenyl)-3-methyl or carboxyl-5-pyrazolone, A and B each denote a hydrogen or a halogen atom attached to the phenyl nucleus, and R' represents a sulfonated naphthalene nucleus which contains a hydroxyl group in an ortho position to the azo bridge.

1,741,419. SHOE. GEORGE A. JONES, Lynn, Mass., assignor to Shoe Products, Inc., Lynn, Mass., a Corporation of Massachusetts. Original application filed Jan. 29, 1927, Serial No. 164,465. Divided and this application filed Dec. 17, 1927. Serial No. 240,711. 1 Claim. (Cl. 36-71.)



As an article of manufacture, a shoe comprising an upper, counter, insole, outsole and heel, said insole having cushion locating and holding holes punched therethrough at the heel and ball portions of the insole, the hole at the heel portion being within the intumed margins of the upper and counter, and the hole at the ball portion being in from the insole, and readily removable slugs in said holes, above the outsole and having upper surfaces flush with the upper surface of the insole, said slugs being adapted to be removed that heel and metatarsal arch supporting cushions may be applied to said holes.

1,741,420. ELECTRIC CONDUCTOR FOR ELECTRIC MACHINES AND APPARATUS. LUDWIG KOUBA, Pilsen, Czechoslovakia, assignor to Aktiengesellschaft, vormals Skodawerke in Pilsen, Prague, Czechoslovakia, a Corporation of Czechoslovakia. Filed July 8, 1927. Serial No. 204,216, and in Czechoslovakia July 16, 1926. 5 Claims. (Cl. 171-206.)

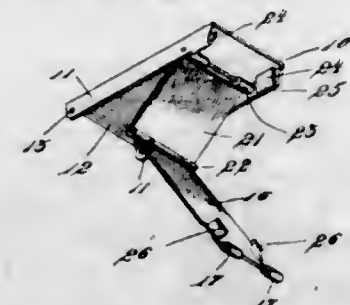


1. In an electric conductor the combination of two groups of superposed individual conductors, such groups being located side by side, each individual conductor being provided with at least one bend extending from one individual conductor over the top of its own group, then laterally downwards and then across the bottom of both groups to the second group in which the said individual conductor continues.

1,741,421. FOLDABLE EXTENSION DEVICE. AUGUST F. KRAEMER, Providence, R. I., assignor to Louis Stern Company, Providence, R. I., a Corporation of Rhode Island. Filed Jan. 16, 1929. Serial No. 332,803. 5 Claims. (Cl. 24-71.)

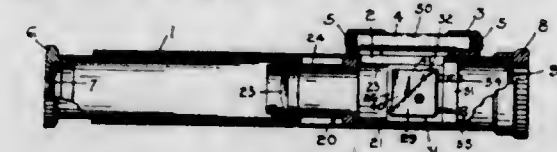
1. A foldable extension device for a wrist strap comprising a plurality of sections hinged together to be folded

one on another, means for retaining said sections in folded position, comprising spaced inwardly folded resilient portions on one of said sections, presenting the bight of the fold to cooperating portions on a second section, and



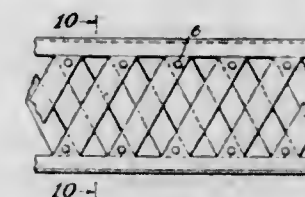
fingers on said second section forming said cooperating portions and resiliently contacting said folded portions in substantially parallel relationship for holding said sections in folded position.

1,741,422. HAND LEVEL. OTTO J. KUKER, Seattle, Wash. Filed Dec. 22, 1927. Serial No. 241,763. 6 Claims. (Cl. 88-24.)



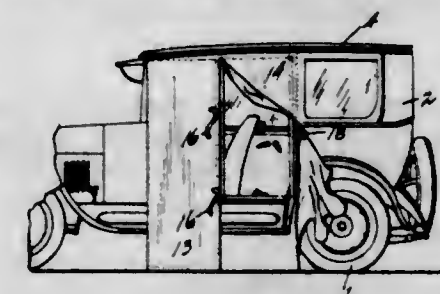
2. In a hand level, a detachable member carrying a prism, means located in said member for adjusting the prism to bring it into operative position relative to the bubble tube, and a lens disposed in said member and in spaced relation with the prism.

1,741,423. GIRDER. MAURICE LACHMAN, New York, N. Y. Filed June 28, 1926. Serial No. 118,879. 8 Claims. (Cl. 189-37.)



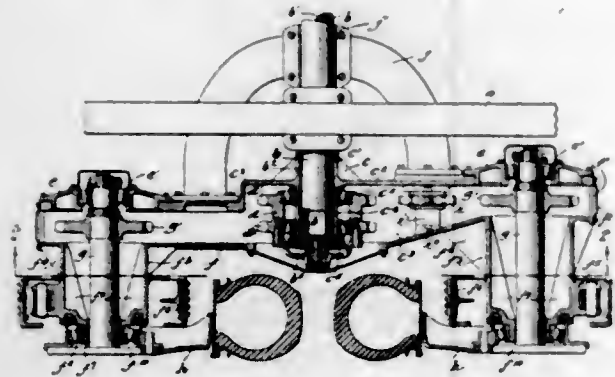
1. An I beam or girder of skeleton form each edge or side of which comprises two longitudinal sections of a channel bar divided through its web in a general longitudinal-direction to provide struts or tie members integral with the edge, said sections being placed back to back and means for uniting the two sections forming one side or edge of the girder by the free ends of said projecting parts or members to the similar projecting free ends of the opposite side or edge.

1,741,424. AUTOMOBILE DRESSING ROOM. WILLIAM C. LUNDSTROM, Spokane, Wash. Filed Sept. 3, 1927. Serial No. 217,456. 3 Claims. (Cl. 135-5.)



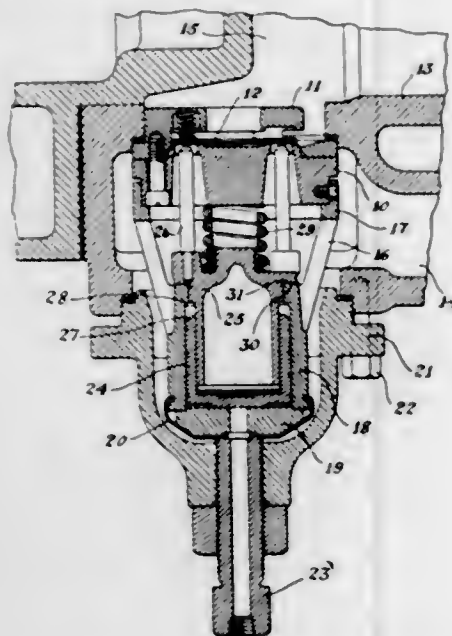
1. The combination with a pair of spaced open doors and an automobile body, of a supporting device to spread said doors, an enclosure of flexible material supported on said device exteriorly of the doors, and means for connecting said enclosure with the car body.

1,741,425. DRIVING MECHANISM FOR SIX-WHEEL VEHICLES. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 17, 1928. Serial No. 300,167. 2 Claims. (Cl. 180-22.)



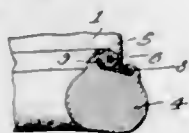
1. A mounting for a plurality of driving wheels comprising an axle, a carriage pivoted on the axle, stub axle carrying extensions on the carriage, means to mount wheels in the extensions, braking mechanism and means on one of the extensions to mount the braking mechanism.

1,741,426. VALVE-LIFTING DEVICE. WILLIAM C. MERWARTH, Easton, Pa., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa., a Corporation of Pennsylvania. Filed Oct. 27, 1926. Serial No. 144,465. 7 Claims. (Cl. 137-153.)



2. In a compressor valve lifting device, a cylinder having seats formed thereon, and an actuating piston movable within said cylinder, said piston comprising two parts, each part having a surface adapted to contact in pressure tight relation consecutively with its own seat on said cylinder when the piston passes from one end of its movement to the other within the cylinder.

1,741,427. GOGGLES. EMIL B. MEYROWITZ, New York, N. Y., assignor to E. B. Meyrowitz, Inc., a Corporation of New York. Filed Mar. 10, 1927. Serial No. 174,133. 15 Claims. (Cl. 2-14.)

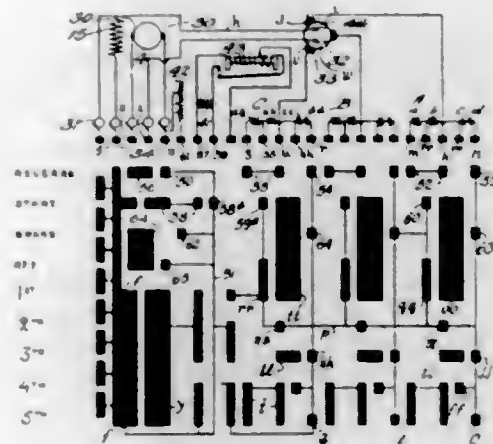


1. A goggle comprising a tubular eye cup having a flange extending at an angle to the tubular portion and a ring

shaped cushion of elastic material, the body of said cushion having a continuous extension of elasticity different from that of the body portion and elastically engaging said flange with the cushion in position with its body portion in rear of said flange.

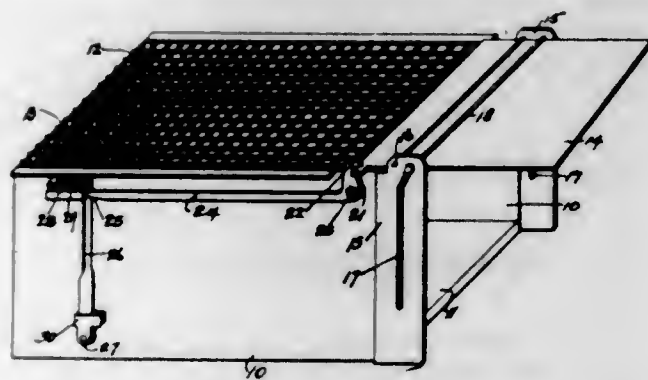
12. A goggle cushion comprising an annular body having an annular extension containing a spring wire.

1,741,428. POWER-CONTROL SYSTEM. ALFONS H. NEULAND, Irvington, N. J. Filed June 15, 1923. Serial No. 645,519. Renewed Oct. 23, 1929. 13 Claims. (Cl. 172-239.)



1. The method of transmitting power from a rotating field member that is operated by a prime mover at a predetermined torque to a driven armature member inductively related to the field member in one stage at a torque exceeding that of the prime mover and in another stage at torque substantially equalling that of the prime mover, said method consisting in the first stage in feeding the slip energy to a stationary winding inductively related to the field member to cause the stationary winding to exert an added torque upon the field member and through it upon the armature, and in the second stage increasing the armature speed to substantially that of the field member by leaving the stationary winding out of the armature circuit.

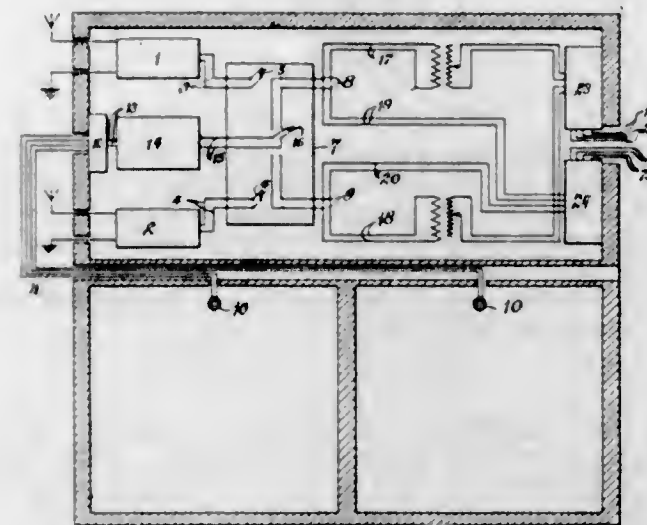
1,741,429. TRAP. ARTHUR REGINALD ORGILL, Memphis, Tenn. Filed Nov. 9, 1928. Serial No. 318,113. 4 Claims. (Cl. 43-61.)



1. An animal trap having a bottom, and sides projecting forwardly beyond said bottom, each of said sides being provided with a vertically disposed slot near its forward end, a door hinged in the upper portion of said sides rearward of and adjacent said slots, a transverse rod disposed in said slots, adapted when said door is open to rest thereon, and to drop along said slots and prevent opening of said door as same closes, a latch, pivotally mounted on one of said sides, engageable with said door to hold same open, an arm integral with said latch and extending rearwardly therefrom, a trip arm supporting said latch arm, a transverse rod pivotally mounted in said sides below said floor, a trip plate secured to said

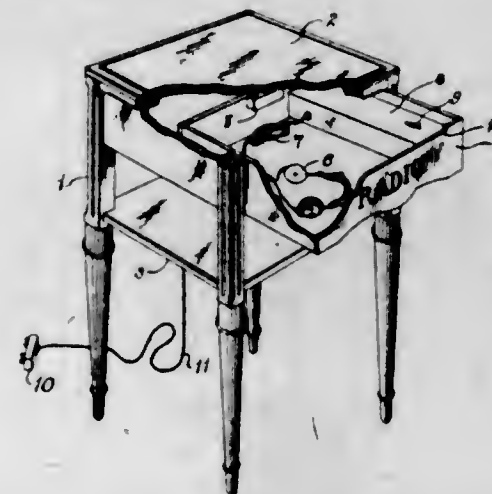
rod and normally flush with said floor, and a yoke secured to said rod and engaging said trip arm, whereby when said trip plate is depressed said yoke will displace said trip arm and allow said latch arm to swing downward, disengaging said latch from said door.

1,741,430. SYSTEM OF RECEPTION AND REPRODUCTION OF RADIO PROGRAMS. KARR PARKER, Buffalo, N. Y. Filed Sept. 13, 1927. Serial No. 219,242. 4 Claims. (Cl. 179-1.)



1. A system for the reception and reproduction of sound modulated currents comprising a central station, at least two radio receiving sets in said station, an auxiliary station, a sound reproducing unit in said auxiliary station, at least two circuit channels extending between the central and auxiliary stations, the circuits of which are adapted for connection to the respective receiving sets, additional sound modulated current sources adapted for connection in said central station to either of said circuit channels, and a selective switch in said auxiliary station for connecting the reproducing unit to either of said circuit channels.

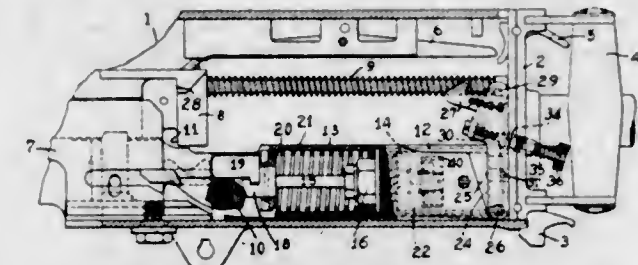
1,741,431. SOUND-REPRODUCING SET. KARR PARKER, Buffalo, N. Y. Filed Sept. 13, 1927. Serial No. 219,243. 4 Claims. (Cl. 179-1.)



1. A set for reproducing the sound modulated current of an incoming channel of communication including a stand having a normally closed compartment, a switch box permanently mounted in the compartment and having a projecting switch handle, ear phones having a cord connection to the switch box and normally contained in but removable from the compartment and a cable connection to said channel extending externally of the stand and having its terminals connected within the switch box, said compartment being movable outwardly with respect to said stand, and a stop arranged to permit outward

movement of said compartment to such an extent as to give access to the ear phones and the switch handle while preventing outward movement of the compartment to such an extent as to give access to the mounting of the switch box.

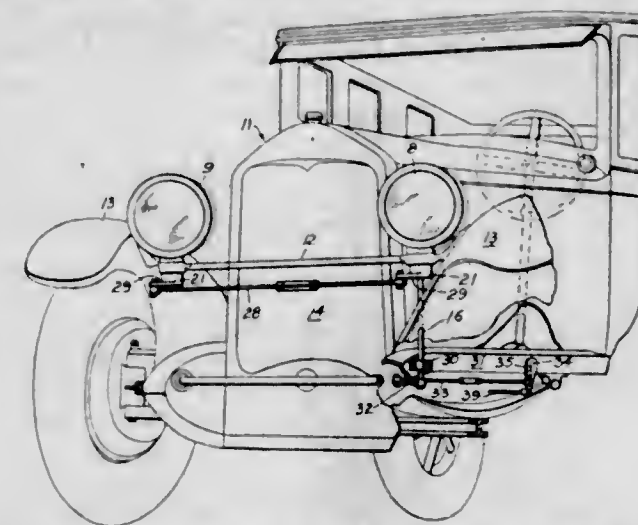
1,741,432. SPEED REGULATOR FOR MACHINE GUNS. CHRISTIAN PFEIFFER, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a Corporation of Connecticut. Filed Mar. 23, 1929. Serial No. 349,430. 16 Claims. (Cl. 89-3.)



1. The combination in an automatic firearm of a recoil-actuated reciprocating member, a regulating lever pivoted for movement about an axis perpendicular to the direction of reciprocation, the said lever automatically engaging the said reciprocating member during the initial part of its counter-recoil movement and swinging about its pivotal axis out of engagement therewith to permit the reciprocating member to complete its counter-recoil movement independently of the lever, means for changing the effective length of the lever to thereby change the position of disengagement from the reciprocating member, means connected with the said regulating lever for thereby retarding the said initial part of the counter-recoil movement of the reciprocating member, and automatic means acting after disengagement of the reciprocating member for returning the said regulating lever to its position of initial engagement with the said member.

6. In an automatic firearm, the combination of a recoil-actuated reciprocating barrel extension, a reciprocating breech block, and a common means serving to retard the recoil movement of the barrel extension and to retard the counter-recoil movement of the breech block.

1,741,433. DIRIGIBLE HEADLIGHT. CARLTON R. PHILLIPS, Oakland, Calif. Filed May 7, 1928. Serial No. 275,666. 1 Claim. (Cl. 240-62.)



In a mounting for a dirigible headlight of a vehicle, a horizontally disposed support and brace member extending between the two headlights having a cup shaped recess with an aperture at each end thereof, a vertically disposed spindle upon which a headlight is mounted passing through said aperture, an enlarged head portion at the upper end of said spindle and integral therewith having a cup shaped recess opening toward said first named cup shaped recess, anti-friction means disposed in said cup shaped recesses, a crank arm adjustably secured to said spindle below said support and brace member, means

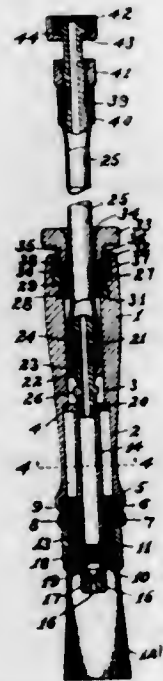
for operating said crank arm in order to move said spindle and the headlight supported thereby, an annular collar upon said crank arm extending toward said brace member, a helical compression spring surrounding said spindle and disposed within said collar and anti-friction means disposed between said spring and said brace member against which said spring reacts to provide a shock absorbing mounting for said headlight.

1,741,434. ADVERTISING DEVICE. LEWELLYN E. PRATT, Nutley, N. J., and HENRY L. SLOAN, Brooklyn, N. Y., assignors to Pratt & Florea, Inc., New York, N. Y., a Corporation of New York. Filed May 9, 1929. Serial No. 361,590. 2 Claims. (Cl. 40—126.)



1. As a new article of manufacture, an advertising device comprising a relatively broad body, on the upright medial portion of which is delineated a pictorial representation of a telephone, and a suction cup simulating the mouthpiece of the telephone and secured to said body in juxtaposition with the pictorial representation of the telephone transmitter thereon.

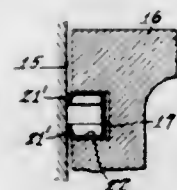
1,741,435. COMBINATION BRUSH AND SPRAYING NOZZLE. EMANUEL RICKERSBERG, Cleveland, Ohio. Filed June 18, 1927. Serial No. 199,818. 12 Claims. (Cl. 15—128.)



1. In a brush, the combination of a handle, bristles carried by the handle, the bristles being arranged in tubular

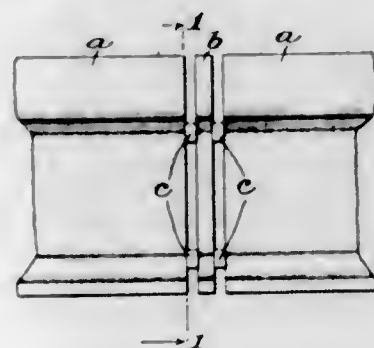
form, a nozzle, the nozzle being slidably mounted within the tubular form of the brush, and means for locking the nozzle in an adjusted position.

1,741,436. HOLLOW PACKING RING FOR PISTONS. CLIFFORD T. RAULE, Brookline, Pa. Filed Apr. 21, 1923. Serial No. 633,584. 6 Claims. (Cl. 74—109.)



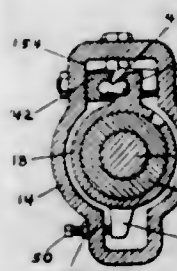
2. In a piston ring, a hollow resilient metal ring adapted to be seated within a groove around a piston, the sectional contour of the ring presenting four sides, two extending substantially radially of the piston and two extending substantially longitudinally of the piston, one of the latter being open at the middle and flared from both sides toward the middle.

1,741,437. METHOD OF WELDING RAILS. PAUL RCGGHERO, Berlin-Tempelhof, Germany. Filed Dec. 10, 1928, Serial No. 324,868, and in Germany Feb. 17, 1928. 3 Claims. (Cl. 22—206.)



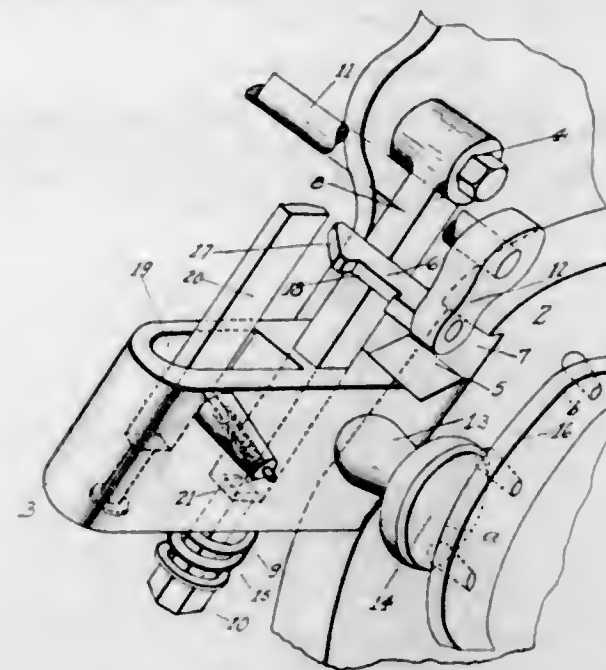
1. The method of welding rails separated by a relatively wide space, which comprises enclosing the rail ends in a mold, inserting in said space a metal section of the same cross section as the rails, maintaining the insert in spaced relation to the rail ends, and pouring superheated molten metal about the rail ends and into the spaces between the same and the insert.

1,741,438. FRICTION CLUTCH. GUSTAV ADOLF SCHETTLER, Bramley, England, assignor to The Turner Tanning Machinery Company, Portland, Me., a Corporation of Maine. Filed Aug. 10, 1925, Serial No. 49,311, and in Great Britain May 2, 1925. 6 Claims. (Cl. 192—80.)



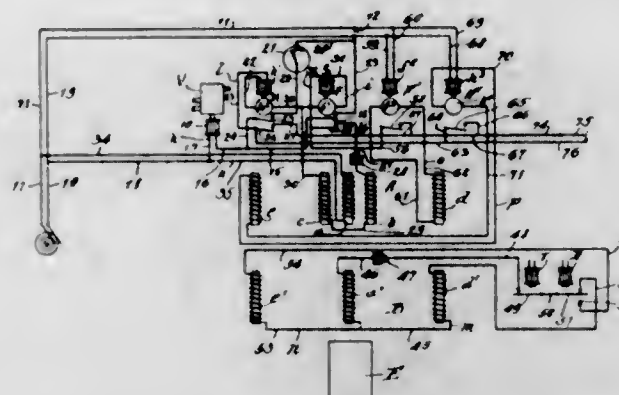
1. In a clutch mechanism, a friction ring of more than one turn, a pivot fixed relatively to the ring, a member mounted on said pivot and radially movable toward and away from the longitudinal axis of the ring for deforming the turns of the ring, and a toggle link interposed between the ring and said member.

1,741,439. SAFETY STOPPING DEVICE. CHARLES SEYBOLD, Dayton, Ohio, assignor to The Seybold Machine Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 30, 1926. Serial No. 158,107. 10 Claims. (Cl. 192—138.)



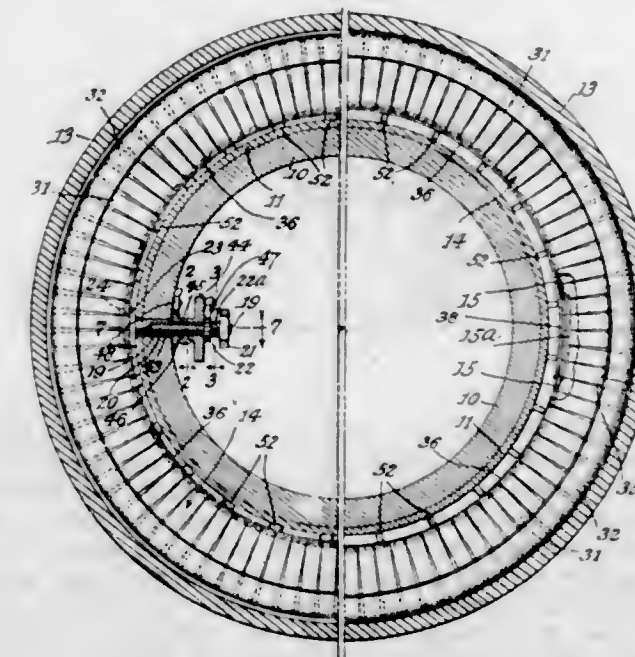
1. In combination with a rotatable element of a machine, and an element movable to bring about the operation of the machine, a weighted hook suspended so as to normally engage said first named member, interlocking means between said member and said weighted hook normally adapted to interlock at a certain position in the cycle of operation of the machine, and means of temporarily elevating the weighted hook from engagement with said first named member operatively connected to said movable element, said means of elevating said weighted hook comprising a spring tensioned roller carried by said weighted hook, and a cam track carried by said rotatable element.

1,741,440. INDUCTION TRAIN-CONTROL SYSTEM. ARCHIBALD G. SHAYER, Chicago, Ill., and FRED M. ROSENZWEIG, Niagara Falls, N. Y., assignors to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed May 4, 1923. Serial No. 636,552. 54 Claims. (Cl. 246—63.)



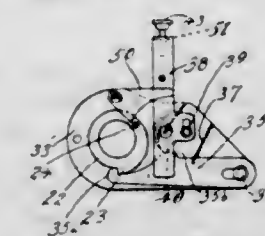
1. In combination, vehicle carried mechanism, means for controlling the operation of the same including a vehicle carried energizing inductor and roadside mechanism for influencing the inductor to produce a controlling operation of said vehicle carried mechanism in the movement of the vehicle over a roadway, and means for determining the further operation of the vehicle carried mechanism including cooperating vehicle and roadside inductors associated with so as to be energized by said vehicle energizing inductor.

1,741,441. CUSHION FRAME FOR TIRES. WILLIAM J. SHEIRS, Brooklyn, N. Y. Filed Oct. 5, 1928. Serial No. 310,647. 10 Claims. (Cl. 152—8.)



1. A cushion frame for automobile tires embodying a circular structure including split ring straps, semi-circular spring loops connected to two of said straps, a split tread ring surrounding said loops and slidably connected therewith and means for expanding said frame against the inner walls of a tire.

1,741,442. MANIFOLDING REGISTER. JOHN Q. SHERMAN and ALBERT W. METZNER, Dayton, Ohio, assignors, by direct and mesne assignments, to The Standard Register Company. Filed Apr. 18, 1925. Serial No. 24,193. 7 Claims. (Cl. 192—142.)



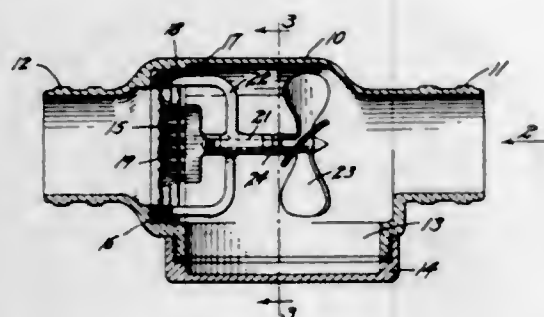
1. In combination with a manifolding machine having a feed shaft for operating a paper feed, an electric mechanism comprising in one structure switch controlled circuit connections, a driven member for said shaft, and a positive stop, means for opening the switch automatically upon positive stopping, means for releasing said stop, and means on the driven member for accelerating the action of the automatic switch opening means.

1,741,443. STRAND AND BRAKE LINING AND METHOD OF MAKING THE SAME. EDWARD SLADE, New York, N. Y. Filed Feb. 20, 1924, Serial No. 694,168. Renewed May 23, 1929. 4 Claims. (Cl. 154—2.)



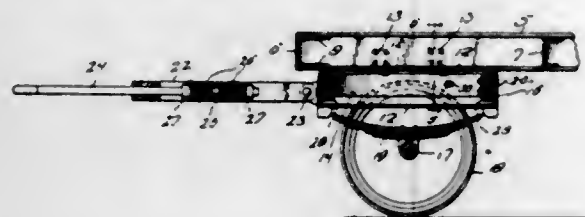
2. A method of making a strand which consists in applying a strip of fibrous material to a core in sheathlike form, applying an adhesive to the space between the applied strip and the core, applying a second strip of fibrous material over the first strip in convolute form, applying a convolute binding element, applying a dry lubricant bearing compound over said binding element and outer strip, and sizing and compacting the thus built-up strand.

1,741,444. WATER STRAINER FOR ENGINE-COOLING SYSTEMS. JESSE A. SLIDER and BRUCE S. GOODWIN, Lamar, Colo. Filed July 6, 1928. Serial No. 290,858. 3 Claims. (Cl. 210-167.)



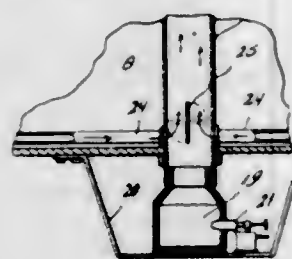
1. A strainer for fluid conduits comprising: a housing; a screen within said housing; a frame arranged to maintain said screen in place; a bearing carried by said frame; a shaft mounted in said bearing; a brush carried on one extremity of said shaft in contact with said screen; and an impeller carried on the other extremity of said shaft and adapted to rotate said brush from the flow of said fluid; and a resilient retaining ring adapted to engage a groove in said housing adjacent said frame so as to maintain said frame in place.

1,741,445. TRAILER TRUCK. THURM THOMPSON and CLEVE THOMPSON, Porterville, Calif. Filed May 31, 1928. Serial No. 281,919. 1 Claim. (Cl. 230-125.)



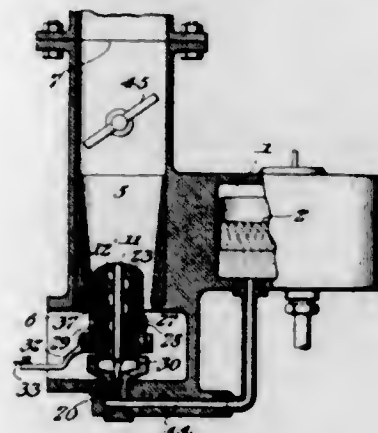
In a trailer vehicle, a chassis frame having rear supporting wheels, an annulus of substantially the same diameter as the width of the front end portion of the chassis, an annular flange extending outwardly from the upper edge of the annulus and secured to the under side of said frame, a front axle having steering and supporting wheels thereon, a sub-frame mounted on the front axle, an annulus, a laterally extending annular flange formed on the upper edge of the second-mentioned annulus and secured to the top portion of the sub-frame, said first mentioned annulus being rotatably fitted within the second-mentioned annulus resting on the flange of the second-mentioned annulus, an angular lug secured to the inner face of the first-mentioned annulus, the horizontal portions of said lug being disposed directly beneath the lower edges of said annulus.

1,741,446. AIRSHIP. GEORGE W. TURNER, Excelsior Springs, Mo. Filed May 5, 1928. Serial No. 275,866. 3 Claims. (Cl. 244-6.)



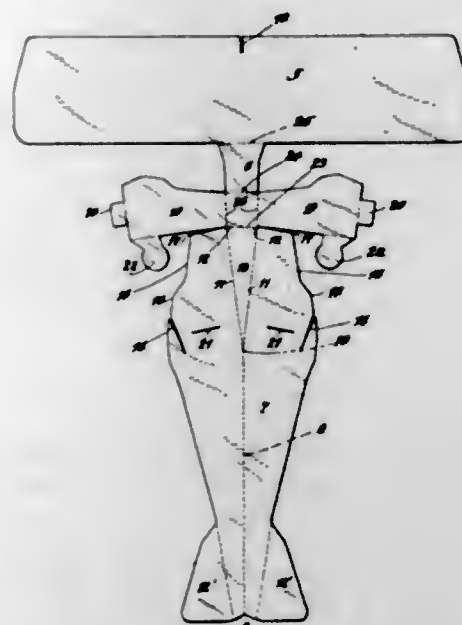
1. In an airship of the class described, a lifting structure, a bag on the lifting structure, and propelling means, internal combustion engine means for operating said propelling means, and means for delivering the exhaust gases of the internal combustion engine means to the bag to fill the same with hot gases and air to lighten the airship, and a furnace connected with said last mentioned means, a fan located in said means for delivering gases to the bag, and means operatively connecting the bag with the internal combustion engine means.

1,741,447. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. TONY ANTOINE, Brussels, Belgium. Filed Feb. 27, 1926, Serial No. 91,138, and in Belgium Mar. 5, 1925. 6 Claims. (Cl. 261-66.)



1. In a carburetor, a fuel reservoir; a fuel passage in communication therewith and opening into a mixing chamber; a movable needle valve disposed in line with the axis of the fuel passage at the outlet thereof and projecting at its point into the outlet orifice thereof to adjust the effective cross-sectional area of said orifice; said needle being provided on its outer surface with a groove which extends from its point along its length for a considerable distance and which is inclined relatively to the axis of the needle, such groove having a cross-section of sufficient depth to give passage to the fuel drawn through the aforesaid outlet orifice; and a movable cap surrounding said needle and its groove to permit the fuel to follow the latter, said cap having the needle secured to it to cause movement of the two in unison.

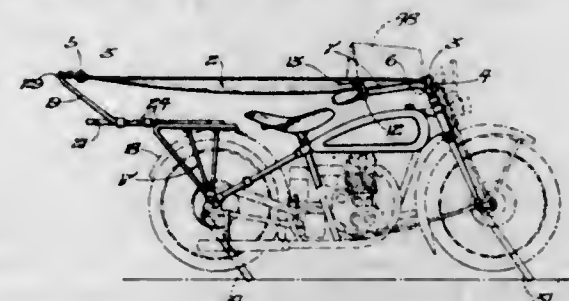
1,741,448. DISPLAY TOY AEROPLANE. JOSEPH EDWIN BURGESS, New York, N. Y., assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y., a Corporation of Ohio. Filed June 20, 1928. Serial No. 286,972. 5 Claims. (Cl. 46-50.)



1. A flexible blank for forming a toy aeroplane, of roughly T-form, having a wing portion, a tail portion

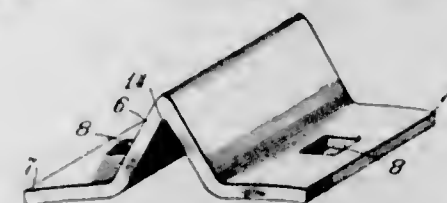
adapted to be folded upward on a medial longitudinal line, and a fuselage portion between the wing and tail portions formed with oppositely extending bracket portions having rearwardly extending leg portions, and end tongues, the blank being formed with slits to receive the wing portion when said wing portion is folded backward, and with slits to receive the tongues on the bracket portions.

1,741,449. COLLAPSIBLE STRETCHER. KEARNEY BUTCHER, Ascot Vale, Victoria, Australia. Filed Apr. 3, 1928, Serial No. 267,085, and in Australia Jan. 13, 1928. 6 Claims. (Cl. 5-119.)



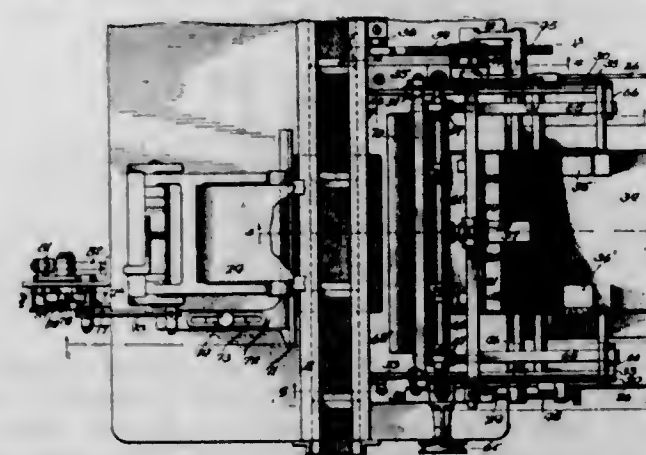
1. A collapsible stretcher for attachment to motor cycles, comprising in combination an elongated sheet of flexible material, means for detachably connecting the front end of said sheet in spread position to the handle bars of a motor cycle, and means adapted for attachment to a rear part of the cycle for supporting the rear end of said sheet substantially in horizontal alignment with said front connecting means.

1,741,450. METHOD OF MAKING TRACTION LUGS. WILBUR J. COULTAS, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Apr. 22, 1927. Serial No. 185,687. 8 Claims. (Cl. 29-148.3.)



1. The method of making traction wheel lugs of the class described, which comprises taking a blank of approximately right angle cross section, bending the side portions thereof outwardly to form base flanges for the lug, and squeezing the sides of the intermediate angle portion of the blank towards each other.

1,741,451. FEEDING MECHANISM. WILLIAM WARD DAVIDSON, Evanston, Ill., assignor to Davidson Manufacturing Company, Madison, Wis., a Corporation of Wisconsin. Filed July 23, 1927. Serial No. 207,934. 15 Claims. (Cl. 271-89.)



1. In a machine for separating and feeding blanks, the combination of a blank receptacle, blank separating means

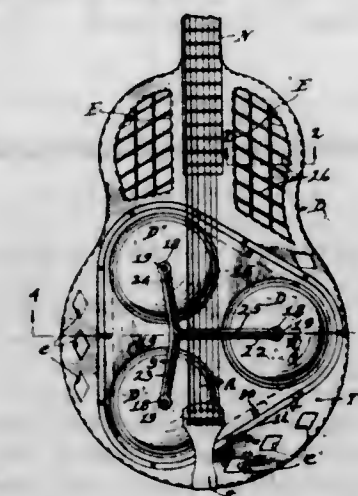
comprising a separator plate which forms the bottom of the blank receptacle, a separator roll mounted in said blank receptacle, means for supporting blanks in edgewise positions on the separator plate with the front blank in contact with the separator roll, means for advancing the blanks towards said separator roll, means for imparting rotation to said separator roll, pull-out rolls mounted to move toward and away from each other and in association with the blank separating means, and means for imparting said movements to said pull-out rolls.

1,741,452. GOAL-LINE STAFF. WALLACE E. DAVIS, Ranger, Tex. Filed Nov. 16, 1927. Serial No. 233,617. 1 Claim. (Cl. 40-145.)



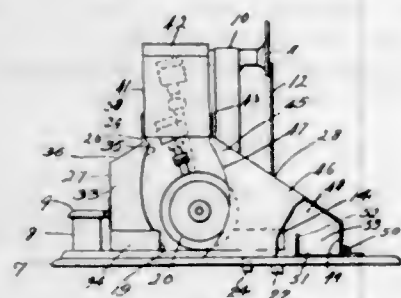
A goal line staff including a normally upright inert bendable core, spaced annular collars thereon, and a cushioning sleeve housing all portions of the core except one end thereof and held against longitudinal displacement by the collars, said end of the core being pointed for ready insertion into the ground, there being annular grooves in the sleeve for the reception of fastening cords or the like.

1,741,453. STRINGED MUSICAL INSTRUMENT. JOHN DORYEA, Los Angeles, Calif., assignor to George D. Beauchamp, T. E. Kleinmeyer, and Paul Barth, Los Angeles, Calif. Filed Apr. 9, 1927. Serial No. 182,424. 5 Claims. (Cl. 84-296.)



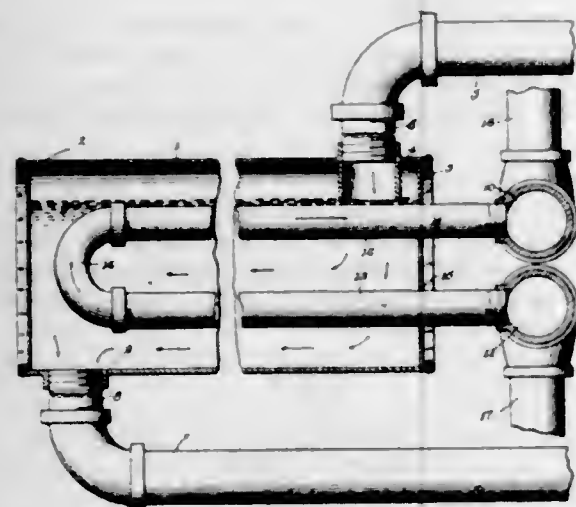
1. A stringed musical instrument comprising a body formed of vibratory material, a plurality of thin metallic diaphragms loosely supported in and below the top of said body, a spider having triple arms connecting said diaphragms and extending through an opening in the top of the body, and a plurality of strings held in tension on said body and in contact with an arm of said spider for communicating the vibrations set up in the strings to said diaphragms and said body.

1,741,454. COMBINATION OIL RECEIVER AND GUARD FOR SEWING MACHINES. ISAAC FELDMAN, Philadelphia, Pa. Filed June 20, 1927. Serial No. 200,021. 3 Claims. (Cl. 112-261.)



1. A combination oil receiver and guard for sewing machines comprising, in combination, a supporting member, a sewing machine, a pan resting on the supporting member and in which the machine is set, an outlet pipe connected with said pan and passing through the supporting member, a tubular element carried by the pan and passing through the supporting member as well as projecting a suitable distance above the bottom of the pan, said tubular member having a portion of the machine passing therethrough, and a sectional housing adapted to partially enclose operating parts of the sewing machine, the sections of said housing being detachably connected with each other, and one of said sections being detachably connected with the pan, while another is hinged mounted on the supporting member.

1,741,455. WATER-HEATING APPARATUS. WILLIAM IRWIN FERGUSON, Chicago, Ill. Filed Aug. 19, 1926. Serial No. 130,239. 1 Claim. (Cl. 257-239.)

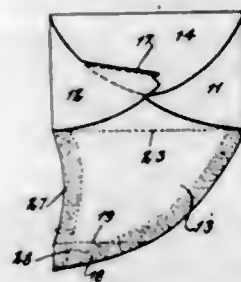


In water-heating apparatus, a heating drum extending horizontally and having heads at its ends, upper and lower manifolds extending transversely of the drum externally thereof in spaced relation to the head at one end of the drum, a hot water supply pipe communicating with the upper portion of the drum, a water circulating pipe in said drum having end portions extending outwardly through upper and lower portions of the last-mentioned head and connected portions of the last-mentioned head and connected respectively with the upper and lower manifolds and communicating therewith, and an outlet pipe leading from the drum.

1,741,456. ENVELOPE. STANISLAW FLIS and MATEUSZ KASPRZAK, Gowanda, N. Y. Filed Mar. 12, 1928. Serial No. 261,003. 1 Claim. (Cl. 229-82.)

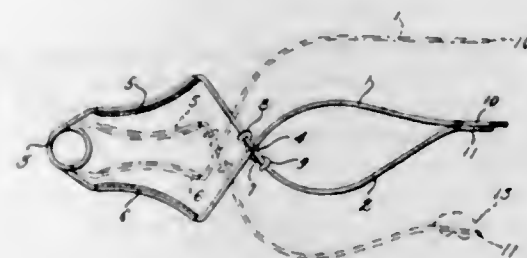
In an envelope of the class described, a blank, a pair of end flaps obliquely slotted near their ends on said blank,

and adapted to be folded against its rear face, means formed by said slots allowing an interengagement between both flaps in their folded position, a side flap having an obliquely disposed slot near its outer edge adapted to be folded upon said end flaps, one of said end flaps engaging in the recess of said side flap, a cover flap, adapted



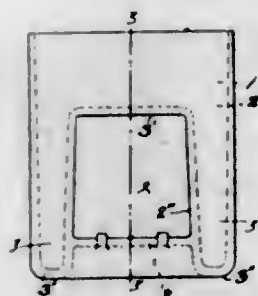
to be folded over said end and side flaps in their folded positions, and a tongue on said cover flap adapted to be folded over the front face of said envelope to securely close the same at its right hand upper corner adapted to receive the postage stamp allowing an opening of the envelope only by tearing said stamp.

1,741,457. SURGICAL APPLIANCE. JACOB GLASS, New York, N. Y. Filed Feb. 4, 1925. Serial No. 6,708. Renewed May 2, 1929. 1 Claim. (Cl. 128-325.)



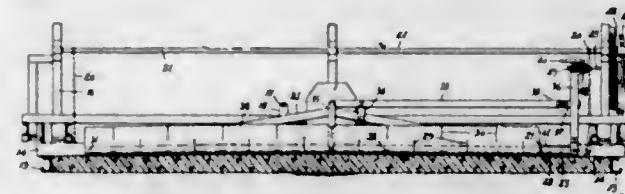
A device of the class described comprising a length of spring wire bent upon itself to form oppositely disposed legs, each of which is provided at its outer end with a presser foot, said legs crossing each other and a freely slidably mounted guide member engaging said legs at their point of crossing preventing relative lateral distortion, and each of said legs intermediate its ends being provided with a finger grip.

1,741,458. BRINE TANK. HAROLD A. GREENWALD, Detroit, Mich., assignor to Thomas C. Whitehead, Detroit, Mich. Filed May 24, 1926. Serial No. 111,460. 4 Claims. (Cl. 62-95.)



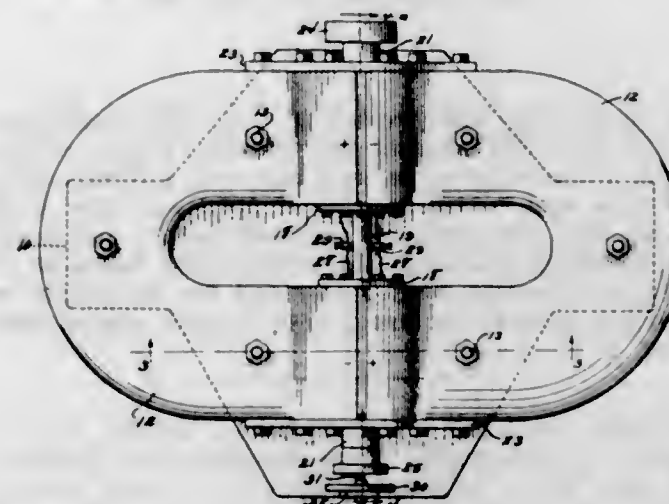
3. A brine tank formed entirely of vitreous material and comprising a hollow open top body provided at its opposite ends with depending hollow upwardly opening leg portions, and a shelf extending between said leg portions and forming therewith a compartment for receiving trays in which ice may be formed.

1,741,459. ROAD SCREED. JOSEPH WILLIAM HELTZEL, Warren, Ohio. Filed Sept. 17, 1927. Serial No. 220,264. 5 Claims. (Cl. 94-45.)



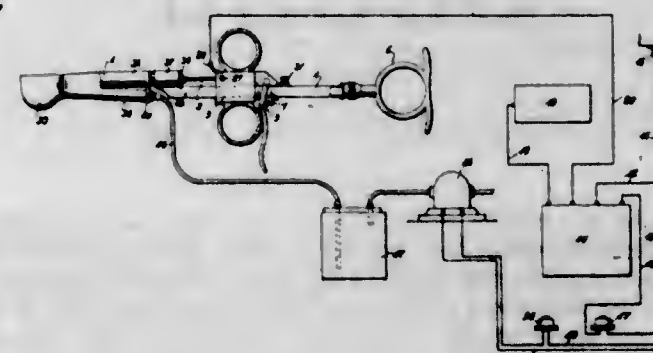
5. A screed including an upwardly extending sheet metal plate having slits extending from its upper and lower edges and in staggered arrangement.

1,741,460. MOTOR. ELFONSO H. HENDRICKS, Lubbock, Tex. Filed Apr. 12, 1927. Serial No. 183,117. 2 Claims. (Cl. 172-36.)



1. In an electric motor, a pair of magnets of the horse-shoe type arranged with their arms in end to end relation and with their opposite poles adjacent, an armature rotatably mounted between the poles and including two spaced sections each located between one pair of opposing poles of the magnets, each section of the armature including a magnetic core, a winding thereon and substantially semi-cylindrical pole-pieces, the pole-pieces of one section being arranged at a ninety degree angularity with respect to those of the other section, the pole-pieces of one of the sections being advanced and those of the other retarded with respect to the coacting pole-pieces of the magnets whereby the armature pole-pieces of certain polarity will be attracted simultaneously with repulsion of pole-pieces of the opposite polarity for producing the effect of a continuous impulse upon the armature.

1,741,461. SURGICAL INSTRUMENT. FLORENTINE PETER HERMAN, West Palm Beach, Fla. Filed June 29, 1927. Serial No. 202,345. 10 Claims. (Cl. 174-89.)

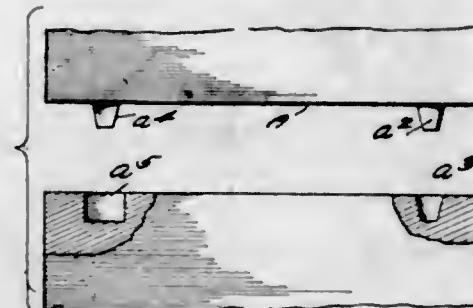


1. In a surgical instrument, a metallic snare, a non-conducting supporting member therefor, means for slid-

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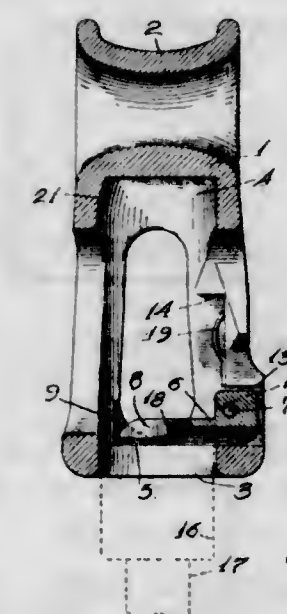
ing said snare relative to said supporting member, a source of cutting electric current, means connecting one pole of said source of current to said snare, and means whereby the other pole of said source of current can be connected to the body of the patient.

1,741,462. GRINDING TABLE. CHARLES HEUZE, Anve-lals, Belgium. Filed June 16, 1928. Serial No. 285,980. 7 Claims. (Cl. 51-240.)



1. A grinding table having at one end thereof pins located near opposite sides thereof and having on its opposite end a recess of the same size and shape as one of said pins, and a recess of greater width than the width of the other pin, said recess being located on the respectively corresponding sides of the end of said table as said pins.

1,741,463. CHOKER HOOK. GEORGE F. HICKOK, San Francisco, Calif. Filed Dec. 3, 1928. Serial No. 323,297. 8 Claims. (Cl. 24-123.)

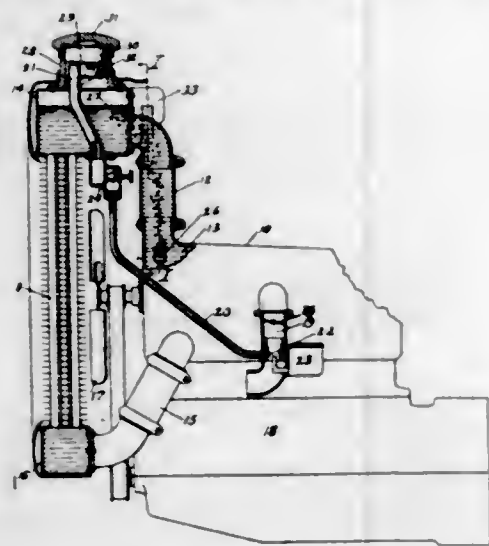


1. A choker hook comprising a body having an opening in one end thereof and an axial recess to receive a ferrule secured upon the noose end of a choker cable; inwardly disposed flanges formed adjacent the opening; a latch pivotally mounted within the recess and normally seating upon the inner surface of the flanges; said latch being movable into an enlarged portion of the recess to admit the ferrule therewith and having a slot adapted to receive the cable, whereby the latch may be moved to operative position between the ferrule and the flanges to form a seat for the ferrule and to detachably retain said ferrule within the recess.

1,741,464. COOLING SYSTEM. WARREN T. HUNT, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed May 8, 1924. Serial No. 711,933. 4 Claims. (Cl. 123-175.)

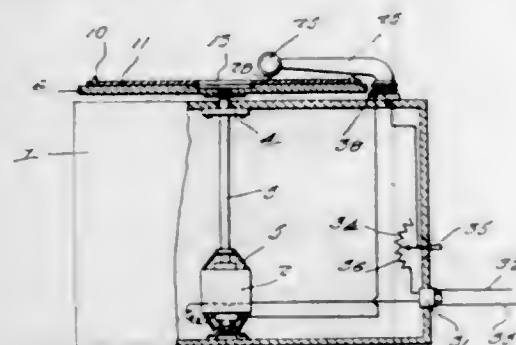
1. In an internal combustion engine, a cooling fluid circulating system for cooling the engine including a

radiator normally closed to the admission of air, a radiator cap, an intake conduit having a throttle valve therein, a pipe leading from the radiator above the fluid level to



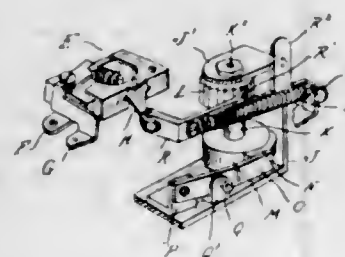
the conduit at a point on the high pressure side of said throttle valve, means for introducing a gas into the cooling fluid and means cooperative with the cap for sealing the radiator end of said pipe.

1,741,465. PHONOGRAPH. RANDHIR SINGH KHAIKA, Navasota, Tex. Filed Jan. 5, 1928. Serial No. 244,068. 5 Claims. (Cl. 274-1.)



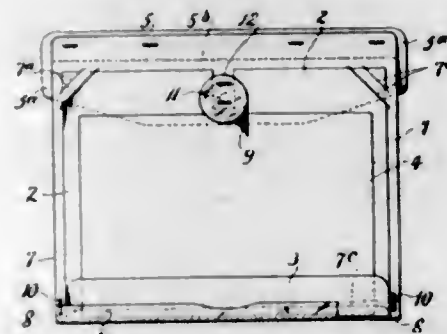
1. In a phonograph, the combination of a rotatable turn table having a central depression formed in the upper face thereof, and a record disc removably secured on the turn table and having a central hole for receiving the stylus of a phonograph reproducer after the stylus of the reproducer has traversed the record disc.

1,741,466. THERMOSTATIC SWITCH FOR ELECTRICAL HEATING DEVICES. FRANK KUHN, Detroit, Mich., assignor to American Electrical Heater Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 21, 1926. Serial No. 156,153. 12 Claims. (Cl. 219-25.)



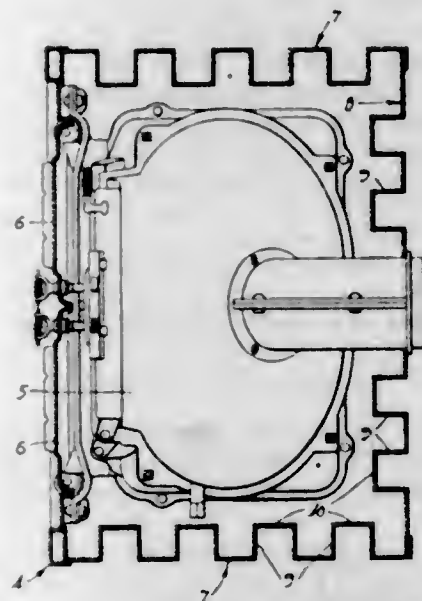
1. In a heater, an automatically opening electric switch for controlling the heater, thermostatic means controlling the opening of said switch comprising a brake drum, a shoe engaging said drum, a composite thermostatic bar to which said shoe is attached and means for tensioning said bar to press said shoe against said drum, said tension being relieved by the warping of said bar to release the brake.

1,741,467. VISIBLE-INDEX-CARD FILING DEVICE. CHARLES WILLIAM LAND, Brighton, Victoria, Australia. Filed June 26, 1928. Serial No. 288,406, and in Australia July 5, 1927. 9 Claims. (Cl. 120-16.7.)



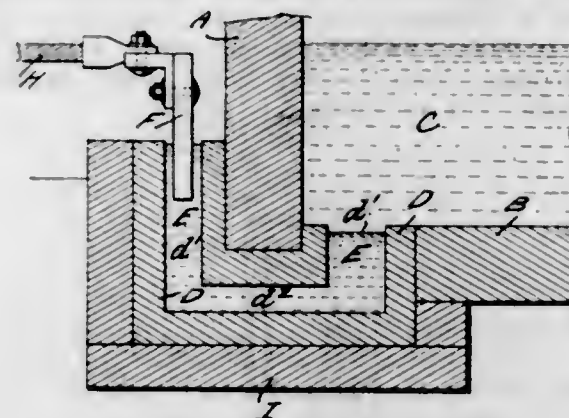
1. In a visible index card-filing device, the combination of a main holder adapted for retention within a filing drawer and provided at its lower edge with a pocket, a supplemental card holder adapted at its lower edge to be entered into said pocket of the main holder, and means for detachably retaining said supplemental holder at its upper edge to said main holder and for detachably retaining a card at its upper edge to said supplemental holder.

1,741,468. HEATER. HENRY LANGE, Quincy, Ill., assignor to The Quincy Stove Manufacturing Company, Quincy, Ill., a Corporation of Illinois. Filed Dec. 17, 1928. Serial No. 326,617. 2 Claims. (Cl. 126-67.)



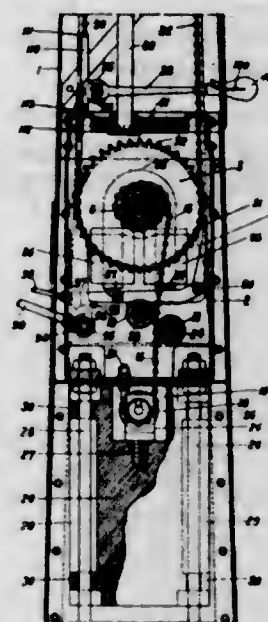
1. An air heater comprising a heat unit, and a casing surrounding same and having a wall formed with corrugations producing inner and outer channels extending upwardly and downwardly, for the upward flow of air in said channels at the inside and outside of the casing, those portions of the corrugations nearest to the heat unit having apertures for the passage of heat rays outwardly through the outer channels, the other portions of the corrugations being imperforate.

1,741,469. ELECTRIC FURNACE. BERNARD LONG, Paris, France, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de St. Gobain, Chauny & Crey, Paris, France. Filed Aug. 9, 1928. Serial No. 298,555, and in France Aug. 19, 1927. 4 Claims. (Cl. 260-1.5.)



2. In an electric furnace an electrode of molten metal projecting into the furnace and extending to the outside thereof.

1,741,470. STARTING GATE FOR RACE COURSES. CHARLES BUCHANAN MAUGHAN, Glasgow, Scotland. Filed Dec. 11, 1928. Serial No. 325,169, and in Great Britain Nov. 15, 1928. 4 Claims. (Cl. 39-24.)

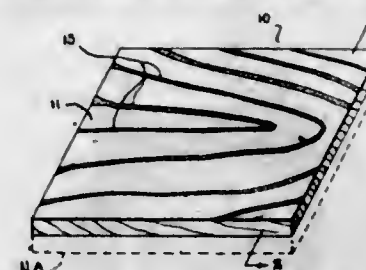


1. A starting gate for race courses, comprising two masts, tape-carrying arms movable on the masts, and tape-actuating mechanism for each mast said mechanism comprising a gravity-operated motor having a shaft rotatable to raise the relative tape-carrying arm, means for winding up said motor to set position, electrically and manually operable means for releasing the motor, and friction braking means adapted automatically to function during the rise of the tape whereby to bring the motor gradually to rest.

1,741,471. ART OR PROCESS OF TRANSFERRING NATURAL-WOOD-GRAIN DESIGNS OF A WOOD PANEL TO ANOTHER ARTICLE. WILFRID MAYOR and CLAYTON SHELBY HOUP, Ottawa, Ontario, Canada; said Mayor assignor to said Houpt. Filed Mar. 12, 1928. Serial No. 261,121. 3 Claims. (Cl. 101-401.1.)

1. The herein described method of making a transfer block for wood grain design consisting in applying moisture to the exposed grained surface of the wood block and

thereby swell the wide grain in very distinct configuration in respect to the close grain, then abrading the block surface until the wide grain is worn down even to the



close grain, then shrinking the wood and thereby forming the depressions outlining the design, then surface finishing and inking and finally transferring to a printing roller.

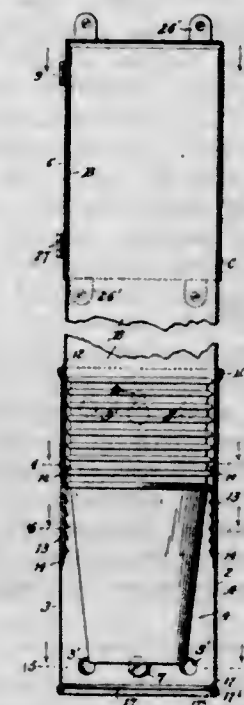
1,741,472. MANUFACTURE OF ETHYLATED NAPHTHALENES. RICHARD MICHEL, Uerdingen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Filed Jan. 25, 1927. Serial No. 163,578, and in Germany Feb. 4, 1926. 4 Claims. (Cl. 260-168.)

1. The process which comprises reacting with ethylene upon an unsaturated naphthalene hydrocarbon compound in the presence of a catalytically acting metal halide under superatmospheric pressure at temperatures of about 50 to about 200° C.

1,741,473. MANUFACTURE OF CONDENSATION PRODUCTS. RICHARD MICHEL, Uerdingen, Niederrhein, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Dec. 3, 1928. Serial No. 323,574, and in Germany Dec. 8, 1927. 5 Claims. (Cl. 260-168.)

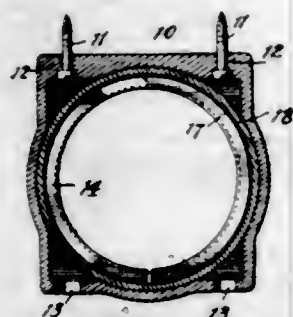
1. Process which comprises reacting with an olefine upon a plynuclear hydrocarbon compound having at least three nuclei in the presence of a catalytically acting metallic halide.

1,741,474. CUP DISPENSER. HUGH MOORE, Easton, Pa., assignor to Individual Drinking Cup Company, Inc., Easton, Pa., a Corporation of Pennsylvania. Filed Dec. 6, 1926. Serial No. 152,885. 22 Claims. (Cl. 312-43.)



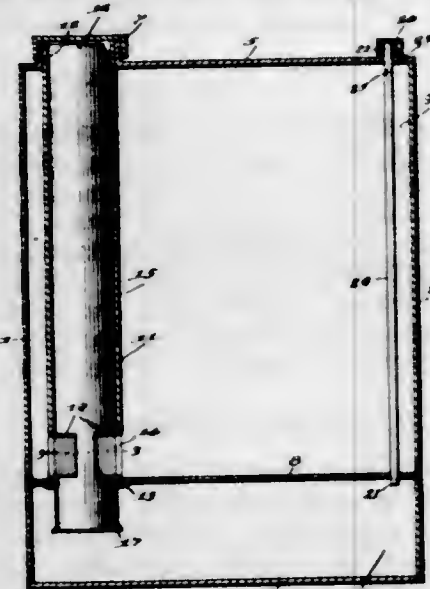
21. A tubular cup dispensing member provided with elongated longitudinally extending straight plate like portions disposed inwardly of and extending parallel with the inner face of the main wall of the dispensing member and each provided with a series of relatively narrow transversely extending cup retaining ledges.

1,741,475. DISPENSING DEVICE. HUGH MOORE, Easton, Pa., assignor to Individual Drinking Cup Company, Inc., Easton, Pa., a Corporation of Pennsylvania. Filed May 24, 1926. Serial No. 111,259. 12 Claims. (Cl. 312-43.)



8. In a dispensing device, an interiorly open supporting member or holder through which articles may pass in dispensing the same, the supporting member including means to hold an open ended container of either round or square cross-sectional form to permit articles to pass therefrom through the support.

1,741,476. DISPENSING AND MEASURING DEVICE. WILLIAM S. NAYLOR, Spokane, Wash. Filed June 13, 1928. Serial No. 285,137. 6 Claims. (Cl. 221-98.)



1. In a liquid dispensing and measuring device, a container having a top and bottom, a false bottom therefor dividing said container into a relatively small lower measuring compartment and a relatively large upper reservoir compartment, said top having a nipple adapted to receive a closure, a sleeve having its upper end secured in said nipple and its lower end secured in said false bottom and being provided with a passage opening near said false bottom adapted to establish communication between said compartments, and a combined filling and pouring tube longitudinally slidable in said sleeve and having a filling opening adapted to register with said passage opening the upper end of said tube being substantially flush with the top of said nipple when said openings are in registry to fill said measuring compartment whereby a closure may be applied to said nipple to seal said container and close said tube, said tube being withdrawable into projecting relation from said nipple to dispose said openings out of relative registry and convey the contents of said measuring compartment when the container is tilted into a pouring position.

1,741,477. METHOD OF METALLIZING THE SURFACES OF INSULATING BANDS. EMIL PRIFNER, Fribourg, Switzerland, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 25, 1926. Serial No. 97,450, and in Germany Jan. 2, 1926. 1 Claim. (Cl. 91-68.3.) In a continuous process of metallizing the surfaces of insulating bands wherein the band is first treated with a

metal salt solution and directly thereafter by a reducing agent and again with the metal salt solution, the steps of spraying the reducing agent upon the treated band and then washing excess reducing solution from the band prior to re-introduction into the metal salt solution.

1,741,478. METHOD OF MAKING VEHICLE WHEELS. ALDEN L. PUTNAM, Detroit, Mich., assignor to Whitehead & Kales Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 21, 1929. Serial No. 333,932. 5 Claims. (Cl. 29-174.)



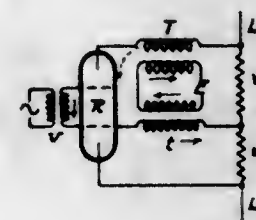
1. The method of making wheels having a rim member, and a spider member, including the steps of positioning the spider member with respect to the rim member, pressing portions of the spider member through portions of the rim member, and securing the portions aforesaid of said spider and rim members together.

1,741,479. WINDOW. EDWIN D. ROSS, Detroit, Mich. Filed Aug. 20, 1928. Serial No. 300,620. 6 Claims. (Cl. 20-49.)



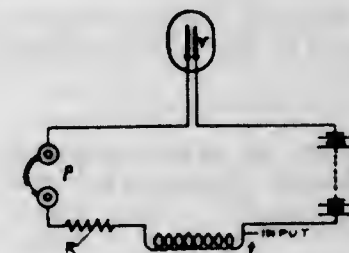
1. In a window, the combination of a frame having stile grooves therein, slides vertically movable in said grooves, a sash pivotally mounted between said slides, an arm pivotally secured at one end of said slides, an extension arm pivotally secured at one end of said arm and having its opposite end in slidable engagement with one side of said sash, means adapted to retain said arm substantially in alignment with its slide and said extension arm being adapted to swing and permit limited pivotal movement of the sash.

1,741,480. APPARATUS FOR OBVIATING NETWORK NOISES. JOHANNES MICHAEL SCHMIERER, Gross Lichterfelde, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1925, Serial No. 4,936, and in Germany Jan. 23, 1924. 4 Claims. (Cl. 179-171.)



1. In a control system, a power supply circuit, a pair of series connected resistors shunted across said circuit, an electron discharge tube having a pair of electrodes connected to the terminals of said power supply circuit, a pair of control electrodes, a variable current control circuit connected to said pair of control electrodes, a circuit extending between one of said control electrodes and a point between said pair of resistors, an inductance disposed in said last mentioned circuit, an independent inductance disposed in the connection between one terminal of said power supply circuit and one of said pair of electrodes and an output circuit coupled to each of said inductances for delivering current modified in accordance with said control circuit and free of interference from said power supply circuit.

1,741,481. PREGLOW GAS-DISCHARGE TUBE. JOHANNES MICHAEL SCHMIERER, Lichterfelde, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1924, Serial No. 749,088, and in Germany Nov. 10, 1923. 3 Claims. (Cl. 250-27.)

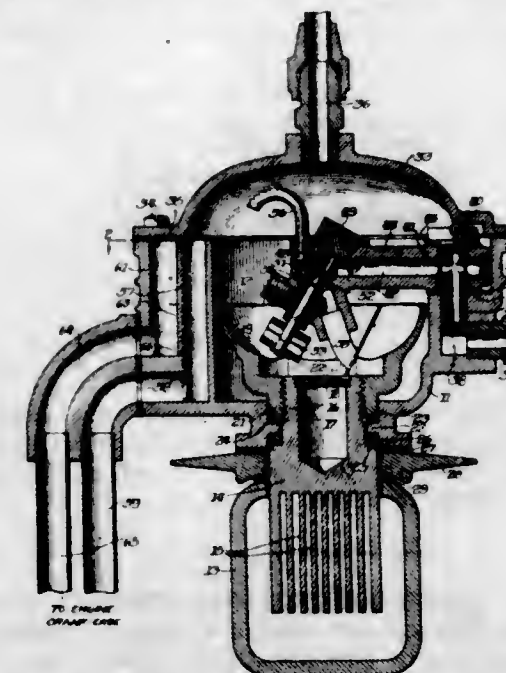


1. In an electrical system, an ionic valve including a pair of parallel cold electrodes close together, means for impressing a predetermined voltage across said electrodes of a value such as to maintain the tube in a state of preglow, and series means for supplying a variable voltage across said electrodes and superimposing the same upon said predetermined voltage for introducing variations in the discharge current which variation is an enlarged image of said variable voltage.

1,741,482. OIL RECTIFIER. RALPH L. SKINNER, Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich., a Corporation of California. Filed May 26, 1928. Serial No. 280,738. 4 Claims. (Cl. 196-16.)

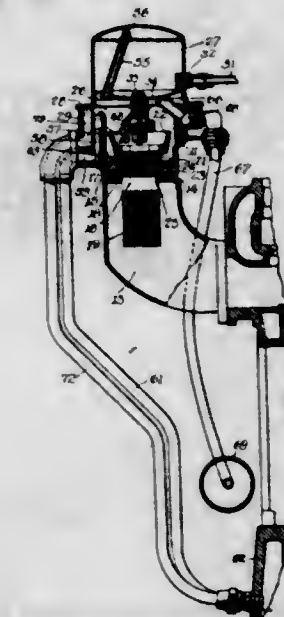
1. In an oil-rectifier for internal-combustion engines, the combination of a casing providing a chamber, an open oil-vessel in said chamber, means to heat said vessel by the heat of the engine, a conduit extending up over and having a downturned portion to feed oil into said vessel below the oil level maintained therein, a valve in said conduit, a thermostat subjected to the temperature of the oil in said

vessel governing the opening and closing of said valve, a vent for said conduit to said chamber on the delivery side of said valve to prevent syphoning off of the contents



of said vessel when said oil feed to said vessel ceases with said valve open, means to remove the gases and vapors driven off from the oil from said chamber, and means to deliver the purified oil from the rectifier.

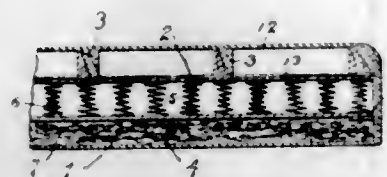
1,741,483. INTERNAL-COMBUSTION-ENGINE OIL DISTILLATOR. RALPH L. SKINNER, Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich., a Corporation of California. Filed Nov. 30, 1928. Serial No. 322,647. 9 Claims. (Cl. 123-196.)



1. The combination of a vaporizing chamber, an open-top oil-vessel in said chamber from which the oil is adapted to overflow into said chamber, means to admit impure oil into said vessel, means to control said admission means, means to heat the oil in said vessel, means to remove gases and vapors from said chamber, means to deliver oil from said chamber at a height to maintain said vessel normally substantially immersed in the over-flow oil, and means governing the delivery of such immersing oil from said chamber, such latter delivery discharging a material portion of the vessel-immersing oil from said chamber.

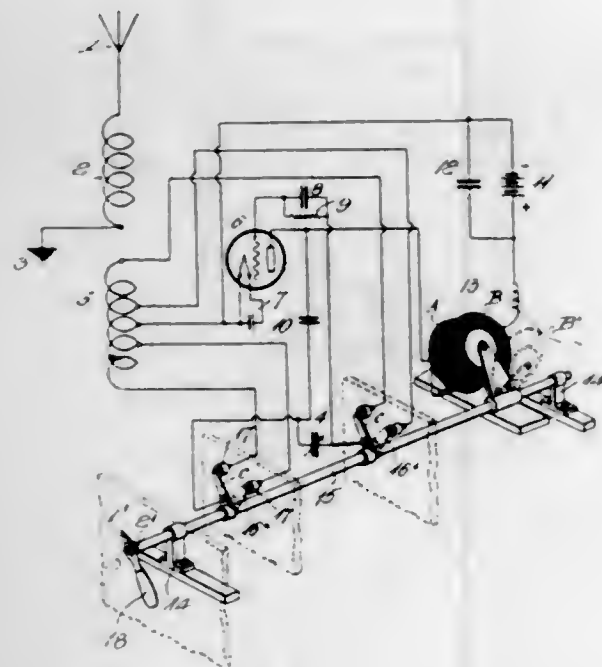
1,741,484. SAFETY DEVICE FOR AUTOMOBILES. HATTIE V. G. STOCKER, New York, N. Y. Filed Nov. 18, 1927. Serial No. 234,254. 1 Claim. (Cl. 296-137.) A vehicle body comprising a top having transversely extending frame members, an outer covering over said

frame members, a cushion on the inner side of at least a portion of the top comprising a lower layer of fibrous material and an upper layer of springs, and tempered



shock-absorbing means extending across the inner side of said frame members between the frame members and the cushion to receive the upward thrust of the cushion between the frame members.

1,741,485. HIGH-FREQUENCY OSCILLATION SYSTEM. ALBERT H. TAYLOR and ALFRED CROSSLEY, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed July 22, 1926. Serial No. 124,149. 7 Claims. (Cl. 250—36.)

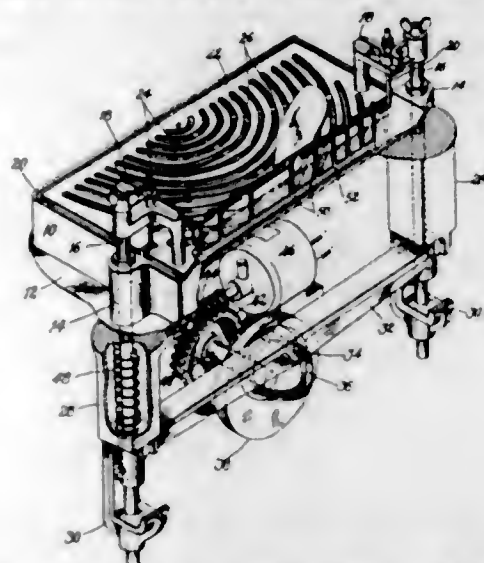


1. A high frequency oscillation system comprising an electron tube having grid, filament and plate electrodes, input and output circuits interconnecting said electrodes, an inductance device being included partially in said input circuit and partially in said output circuit and an impedance element comprising a pair of specially related choke coils connected with said output circuit, and means for simultaneously varying the effective amounts of inductance included in said circuits and the spacial relation of said choke coils for fixing the value of said impedance.

1,741,486. COATING APPARATUS. CHARLES B. TIBBETTS, Walpole, and HAROLD L. SAWYER, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 9, 1924. Serial No. 712,004. 5 Claims. (Cl. 91—47.)

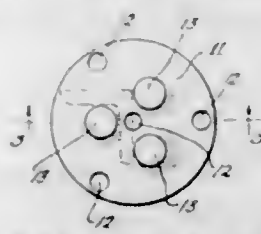
1. In a coating apparatus, a receptacle for a coating substance, spaced curved applying bars movable into and

out of the substance in the receptacle, and work-supporting bars in the receptacle lying between the apply-



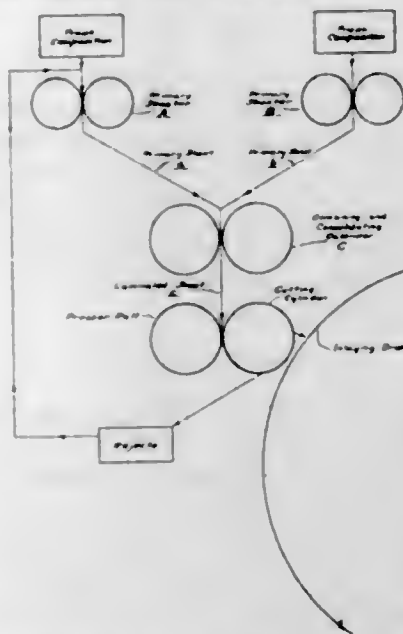
ing bars and curved to correspond to the shape of the spaces therebetween and extending upwardly to a point above the level of the coating substance in the receptacle.

1,741,487. FLOOR PLATE. WALTER N. VANCE, Chicago Heights, Ill., assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill., a Corporation of Illinois. Filed Mar. 22, 1928. Serial No. 263,936. 2 Claims. (Cl. 45—139.)



2. A floor plate adapted for use in leveling articles of furniture, comprising a substantially flat body, said body having a plurality of embossed lugs extending up from its upper face to engage the leg of an article of furniture being leveled, and having a plurality of recesses beneath said lugs of larger diameter than the diameter of said lugs, whereby said recesses of one plate are adapted to receive lugs on another plate.

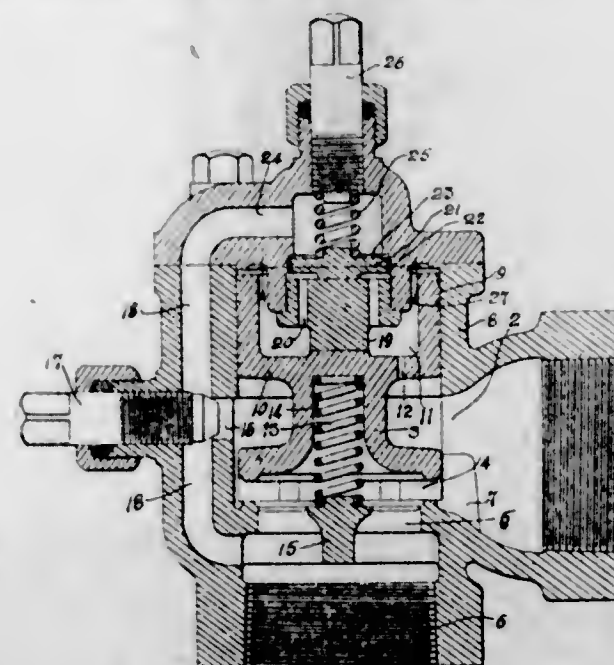
1,741,488. METHOD OF MAKING LINOLEUM AND PRODUCT THEREOF. WALTER VEIT, New York, N. Y., assignor to Congoleum-Nairn Incorporated, a Corporation of New York. Filed Feb. 9, 1929. Serial No. 338,706. 10 Claims. (Cl. 154—26.)



7. In the manufacture of inlaid linoleum the steps of forming a series of variegated primary sheets of linoleum

composition comprising chiefly tesserae cut and rejected from a previously formed variegated sheet; forming a second series of variegated primary sheets of virgin linoleum composition; positioning the respective series to provide a continuous sequence of primary sheets formed of virgin linoleum composition in superimposed relation to a series of primary sheets of reject linoleum composition; combining and consolidating the assembled primary sheets to form a unitary sheet having a substantially continuous stratum of virgin linoleum composition cutting tesserae from said unitary sheet; utilizing certain of said tesserae; rejecting certain others of said tesserae; and employing in a continuous direct cycle the rejected tesserae for the formation of additional primary sheets of the series first-mentioned.

1,741,489. OIL-WELL FLOWING APPARATUS. ELMER A. WATTS, Tulsa, Okla. Filed July 14, 1927. Serial No. 205,762. 10 Claims. (Cl. 137—153.)



1. In combination, an air passageway, a main valve for controlling said passageway, a by-pass passageway, means to admit a limited quantity of air through said by-pass passageway constantly, means to permit the passage of inlet air around said main valve when it is open, and a control valve for controlling said last-mentioned means.

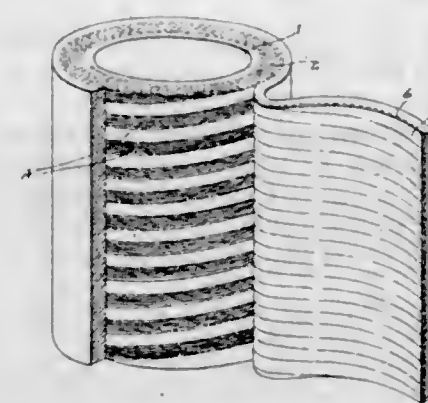
1,741,490. PAPER CONTAINER. EDWARD C. ANGELL, New York, N. Y. Filed Nov. 2, 1927. Serial No. 230,409. 2 Claim. (Cl. 229—48.)



1. A paper receptacle including a body formed of a sheet of material shaped to tubular form and having its lon-

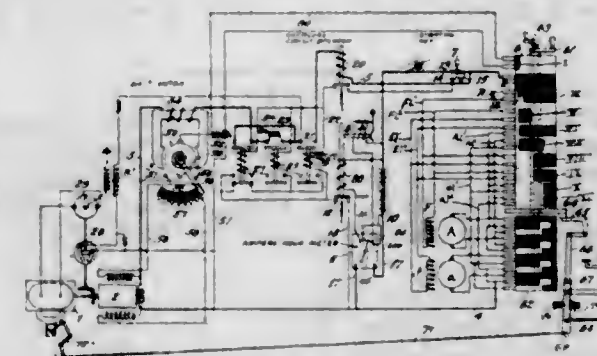
gitudinal edges lapping and provided on their confronting faces with adhesive, said lapping edges being corrugated with a series of narrow and equal corrugations symmetrical on opposite sides of the sheet, said corrugations running in a direction non-perpendicular to said longitudinal edges whereby to provide mechanical resistance to separation by slipping one over the other in a direction perpendicular to the said longitudinal edges.

1,741,491. PRESSURE HOSE AND METHOD OF MAKING SAME. GEORGE ALBERT ANSELL, Toronto, Ontario, Canada, assignor to The Dunlop Tire & Rubber Goods Co., Limited, Toronto, Ontario, Canada. Filed Dec. 10, 1928, Serial No. 324,964, and in Canada July 16, 1928. 5 Claims. (Cl. 137—90.)



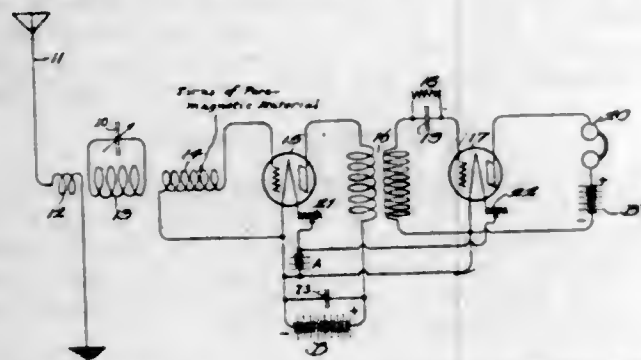
1. In a pressure hose, the combination with a fabricated body, of a tubular wire braid wound spirally of the body and embedded therein.

1,741,492. SELF-CHARGING ELECTRICAL VEHICLE. MORTON ARENDT, New York, N. Y., assignor of one-half to W. Brown Morton, New York, N. Y. Filed Oct. 17, 1921. Serial No. 508,191. 2 Claims. (Cl. 290—17.)



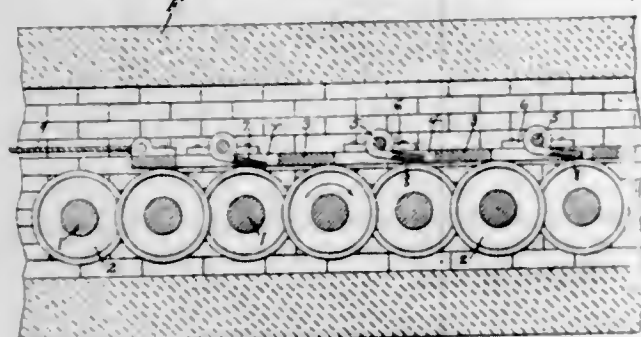
1. In an apparatus of the class described, the combination of an electric operating motor, a prime mover for supplying power thereto, a generator operated by the prime mover, a storage battery, connections between the generator, storage battery, and the electric motor, whereby the storage battery assists in driving the motor, when the load thereon exceeds a predetermined value and is charged by the generator when the load is below such value, a controller for the system for maintaining a practically constant energy output of the generator during both said conditions of operations, a motor controller and means actuated thereby to alter the setting of the generator controller.

1,741,493. HIGH-FREQUENCY COMMUNICATING SYSTEM. HENRY B. BABSON and GEORGE WARICK ANKERSEN, Chicago, Ill. Filed Aug. 25, 1926. Serial No. 131,408. 11 Claims. (Cl. 250—20.)



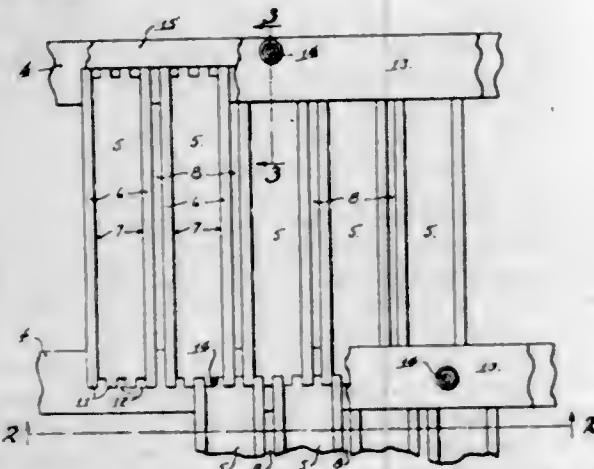
1. In a high frequency communicating system, including a resonant tuning circuit and a receiving circuit, a transformer for coupling the tuning and receiving circuits, one of the windings of which transformer is of high magnetic permeability.

1,741,494. POLISHING DEVICE FOR FURNACE CONVEYERS. JAMES W. BANFIELD, Toronto, Ohio, assignor to Follansbee Brothers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 22, 1929. Serial No. 349,028. 5 Claims. (Cl. 51—59.)



1. A polishing device for furnace disk conveyers, including a plate formed to seat on the conveyor disks and be moved thereby in one direction and having transverse openings extending therethrough, shafts extending lengthwise of the openings, means to secure the shafts to the plate, a series of polishing units freely hinged to the plate and formed to engage the upper arcs of the conveyor disks, and a cable connected to one end of the plate for moving same in a direction opposite to that in which the disks rotate.

1,741,495. DECK FOR COOLING TOWERS. JAMES P. BARRY, Piedmont, Calif., assignor to The Little River Redwood Co., San Francisco, Calif., a Corporation of Delaware. Filed July 18, 1928. Serial No. 293,601. 5 Claims. (Cl. 261—110.)

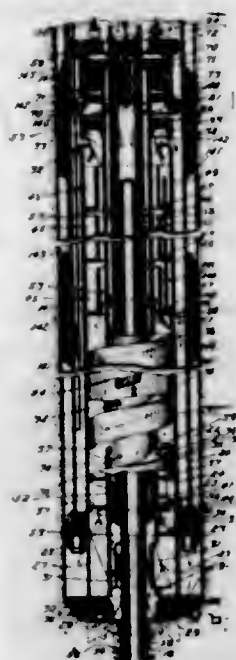


1. A cooling tower deck comprising a plurality of independently reversible slats spaced laterally and abutting endwise and interfitted tenons identically positioned upon the abutting ends of said slats.

1,741,496. PROCESS FOR STRIPPING RAGS WITH SULPHUR DIOXIDE. FREDERICK W. BINNS, Quincy, Mass., assignor to Virginia Smelting Company, Portland, Me., a Corporation of Maine. Filed Aug. 6, 1927. Serial No. 211,265. 9 Claims. (Cl. 8—2.)

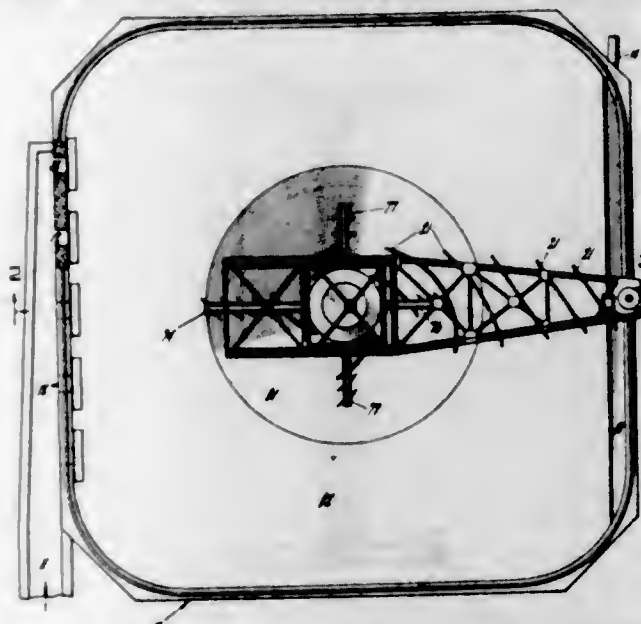
1. Process of treating colored rags and like materials, which comprises the step of subjecting the same to a freshly made solution resulting from the addition of zinc dust and sulphur dioxide to water, and formaldehyde in an amount less than 10%, by weight, of the sulphur dioxide component.

1,741,497. EARTH-DRILLING APPARATUS. FRED S. BOLTZ, Mansfield, Mass. Filed Sept. 9, 1925. Serial No. 55,276. 20 Claims. (Cl. 255—19.)



1. In an earth drilling apparatus, a rotary drill comprising spaced coaxial inner and outer tubular members and cutting tools carried thereby at the lower end thereof, said inner member enclosing a space opening at the bottom of said drill adjacent said tools, said inner member having openings therethrough adjacent its lower end, and said outer member having openings therethrough adjacent its upper end, and vanes connecting said members and constituting the rotor of a pump.

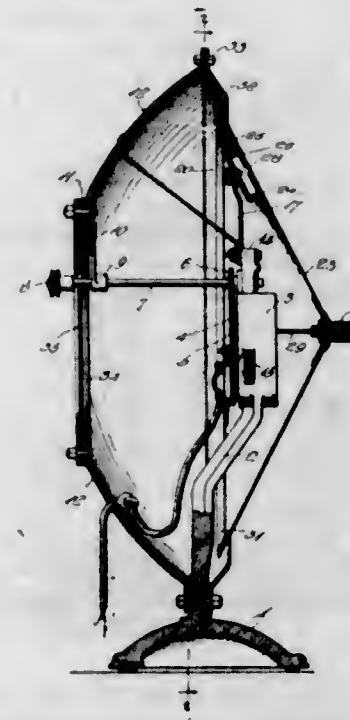
1,741,498. CONTINUOUS SETTLING APPARATUS. SAMUEL I. BOUSMAN, Denver, Colo., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 29, 1928. Serial No. 265,793. 36 Claims. (Cl. 210—65.)



1. Apparatus for sweeping a peripheral zone of a non-circular area including a sweeping member, means for

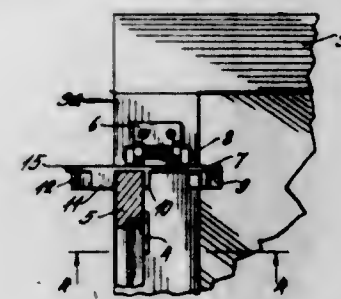
guiding the outer end of the member along the periphery of the area, a support on which the inner end of the member is mounted by means permitting reciprocation of the member relative to the support, and means for driving the member.

1,741,499. ELECTROMAGNETIC SOUND REPRODUCER. RALPH L. BROWN, Newark, N. J., assignor to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Dec. 11, 1926. Serial No. 154,256. 8 Claims. (Cl. 181—31.)



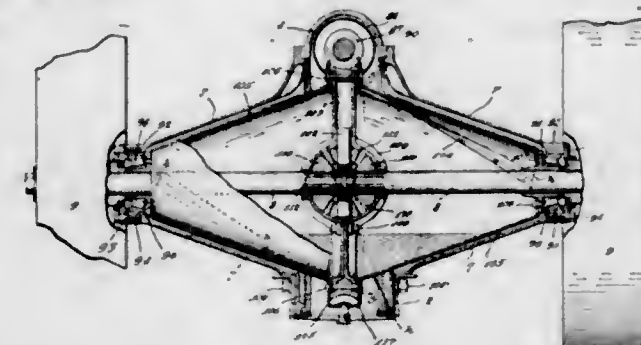
1. A sound reproducer comprising a supporting member, an actuating mechanism carried by said supporting member, a free edge cone shaped sound reproducing diaphragm driven by said actuating mechanism and connections between said supporting member and three equi-distant points on the concave side of said cone shaped sound-reproducing diaphragm remote from the peripheral edge of the diaphragm in the direction of the apex for centering said diaphragm with respect to said actuating mechanism.

1,741,500. WING-WINDOW HOLDER FOR LOCOMOTIVE CABS. THOMAS H. BUTLER, Denver, Colo., assignor of three-eighths to William D. Stoop, three-eighths to George A. Allen, and one-fourth to Tony N. Lewis, Denver, Colo. Filed Nov. 12, 1928. Serial No. 318,810. 6 Claims. (Cl. 292—213.)



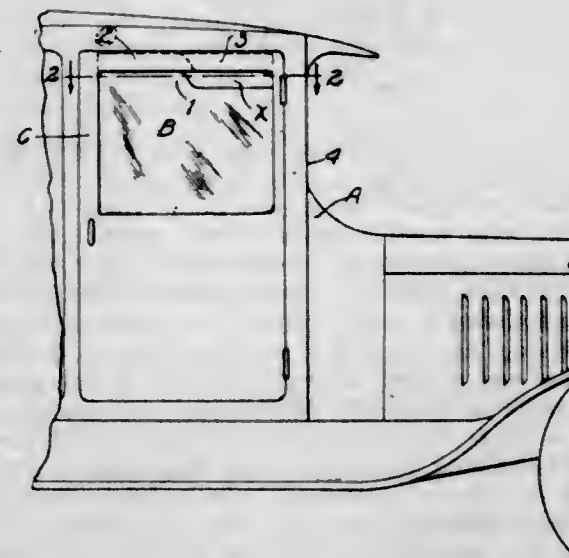
1. A latch for holding a pivoted member in any of a plurality of angularly related positions, comprising a device formed from two separate parts hingedly connected, one of said parts being adapted to be secured to a stationary support adjacent the top of the pivoted member, and the other part being formed from a flat metal plate provided with three downwardly projecting lugs adapted to engage the upper end of the hinged member, two of said lugs forming a pair located near one edge of the flat member and the other being located near the other edge.

1,740,501. LUBRICATING SYSTEM FOR DIFFERENTIAL VEHICLE HOUSINGS. JOHN F. CRAWFORD, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a Corporation. Original application filed Nov. 13, 1924, Serial No. 749,795. Divided and this application filed Aug. 22, 1925. Serial No. 51,883. 9 Claims. (Cl. 184—13.)



1. In a vehicle, the combination of an axle housing embodying an oil receptacle, rotary means in said housing adapted to travel through and elevate the oil therein, a casing connected to the housing, a worm in the casing meshing with and driving said rotary means, and an oil conveyor in the axle housing extending from the lower to the upper side thereof and through which a portion of the rotary means travels, said conveyor communicating with said casing whereby oil in the housing is carried upwardly by said rotary means and confined in the conveyor from the lower to the upper portion of the housing to be discharged into said casing for flooding the worm and which latter in turn distributes the oil to other mechanism.

1,741,502. VENTILATING MEANS FOR VEHICLE BODIES. WILLIAM D. CROWELL, St. Louis, Mo. Filed Nov. 24, 1928. Serial No. 321,642. 3 Claims. (Cl. 296—44.)

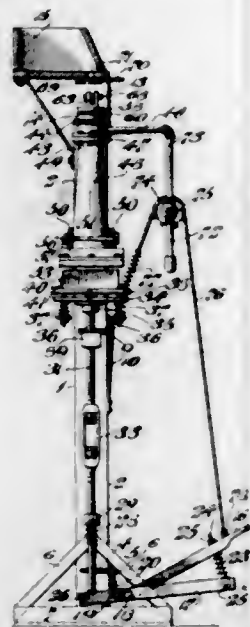


1. In a vehicle body, the combination of a frame arranged in a side wall of the body, a vertically-adjustable window in said frame constructed so as to be capable of being moved upwardly into a fully closed position to produce an imperforate panel for said frame, and an integral means carried by one of said elements that serves as a closure for approximately the rear half portion of the space between the top member of the frame and the window when the window is moved downwardly slightly for the purpose described.

1,741,503. CORE-MOLDING MACHINE. VANANCHES HAROLD CURREN, Wilmington, Del. Filed June 28, 1928. Serial No. 289,025. 11 Claims. (Cl. 22—36.)

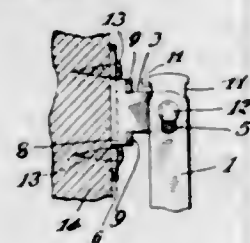
1. In a device of the character stated, a stationary sand cylinder, a perforated bottom plate therefor, a core box, a

cushioned support therefor, means including a foot pedal for elevating said core box into sealed contact with the outer portions of said plate, a valved air supply leading



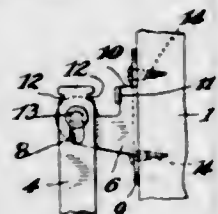
to the upper portion of said sand cylinder, means operated by said foot pedal for automatically opening said air supply following the elevation of said core box, and a turn buckle adjustment for said cushioned support.

1,741,504. CURTAIN HOLDER. HUBERT DALTON, Stamford, Conn. Filed July 9, 1928. Serial No. 291,423. 2 Claims. (Cl. 156—33.)



1. In a curtain holder, consisting of a bracket in the form of an angle having a base joined at one side by a holding plate, said base adapted to be attached to a window frame, said holding plate formed with upper and lower shoulders and having vertically extending stop lugs deflected laterally from the shoulders and forming a central space bounded by the transverse end edges of the stop lugs, said stop lugs lying in a plane parallel to the plane of the base and projecting from the side of the holding plate opposite to that from which the base projects, an arm and a pivot for securing the arm with a lost motion effect to the holding plate and on the stop lug side thereof, to provide for relative movement loosely of the arm in said central space between the transverse end edges of the stop lugs, and means on the arm in the form of a notch for each stop lug adapted to be positively inter-engaged with the transverse end edges of the stop lugs.

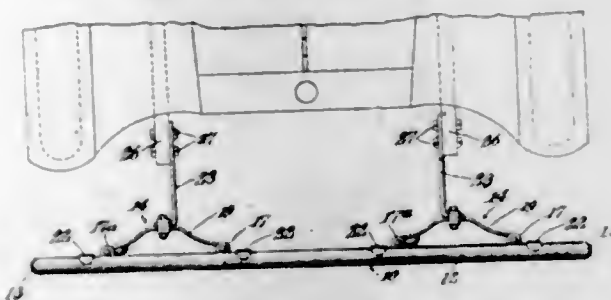
1,741,505. CURTAIN HOLDER. HUBERT DALTON, Stamford, Conn. Filed July 9, 1928. Serial No. 291,424. 2 Claims. (Cl. 156—33.)



1. A curtain holder comprising a bracket with a laterally projecting attaching plate to be attached to a sup-

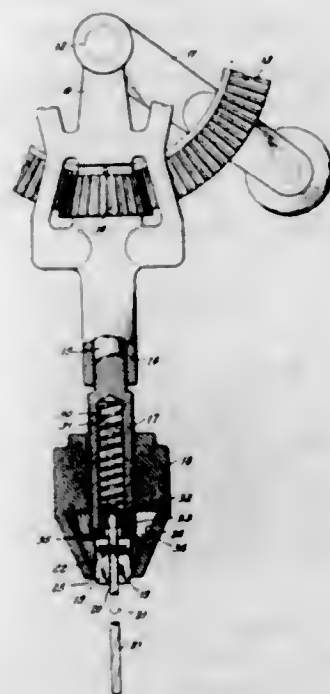
port, an arm and a pivot for securing the arm and the bracket together, said arm and pivot being on the side of the bracket opposite to that from which the attaching plate projects, the part of said arm engaged by said pivot being slotted, the bracket having a stop above the arm adjacent the slot and said arm having recesses in its opposite sides and in proximity to the slot, one of said recesses being adapted to be engaged with said stop to hold the arm in operative position, the arm being disengageable from the stop by lifting it to rotate it around said pivot, and then being capable of withdrawal because of the slotted portion to move the recess clear of said stop and enable the arm to swing downward to inoperative position along the side of said bracket opposite to that from which the attaching plate projects, the recesses making the arm capable of being turned about its longitudinal axis to present either side of the arm to said bracket before it is secured by the pivot thereto.

1,741,506. BUMPER FOR MOTOR VEHICLES. CONRAD A. DIETERICH, Mount Vernon, N. Y. Filed July 26, 1928. Serial No. 295,402. 18 Claims. (Cl. 293—55.)



1. The combination of a fender bar with a spring support comprising a member adapted for securement to said bar, attaching means on said member, a resilient member engaged by said attaching means, and means secured to said resilient member for supporting said bar, substantially as specified.

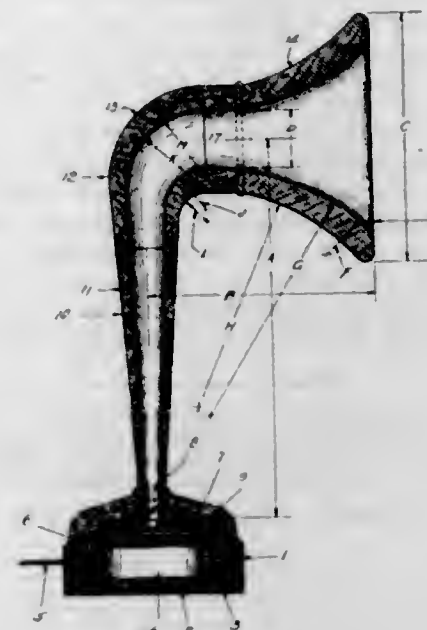
1,741,507. DRILL. ALFRED D'ORAZIO, Yonkers, N. Y. Filed Feb. 1, 1929. Serial No. 336,747. 5 Claims. (Cl. 77—7.)



1. In a drill holder, a frame, a rotatable shaft held against axial movement therein, means adjacent one end of said shaft for driving the same, said shaft having a continuing portion extending from the frame at its other end, provided with a longitudinal recess extending thereinto from the outer end thereof, a chuck mounted on said

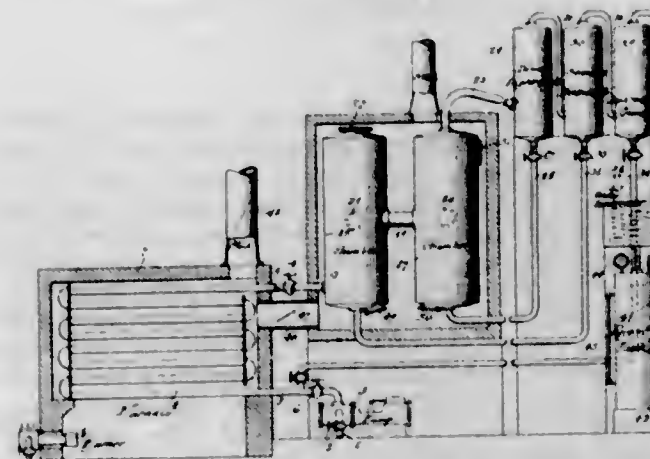
portion of the shaft and adapted to secure a drill fixedly thereto, said recess communicating with the interior of the chuck, and adapted to receive the shank of a drill held by the chuck.

1,741,508. ACOUSTIC REPRODUCER HORN SUITABLE FOR USE WITH RADIO SETS. PHILIP E. EDELMAN, Chicago, Ill., assignor to Ephraim Banning, Chicago, Ill. Original application filed June 5, 1922, Serial No. 566,132. Divided and this application filed Nov. 28, 1927. Serial No. 236,388. 6 Claims. (Cl. 181—27.)



1. An acoustic reproducer horn having input and output orifices terminating a restricted air column, the cross section area of said air column increasing progressively from said input orifice to said output orifice so that for predetermined successive equal intervals along said distance therebetween such cross section is substantially doubled.

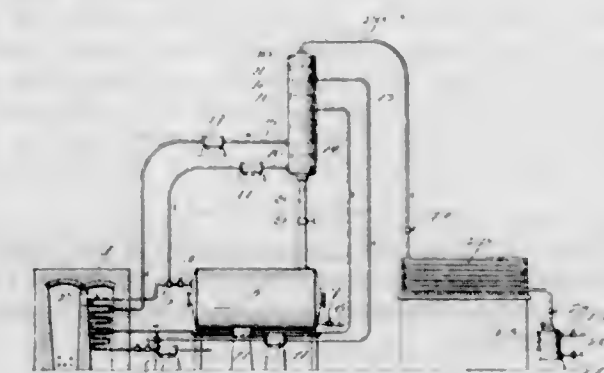
1,741,509. PROCESS FOR CONVERTING PETROLEUMS. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Oct. 21, 1921, Serial No. 509,278. Renewed Oct. 1, 1928. 3 Claims. (Cl. 196—48.)



1. A process of cracking hydrocarbon oil, consisting in passing the oil through a heating zone wherein it is subjected to conversion temperature, in transferring the heated oil from said heating zone into an enlarged reaction zone wherein conversion occurs and from which no unvaporized oil is returned to said heating zone, in dephlegmating the evolved vapors, in condensing the

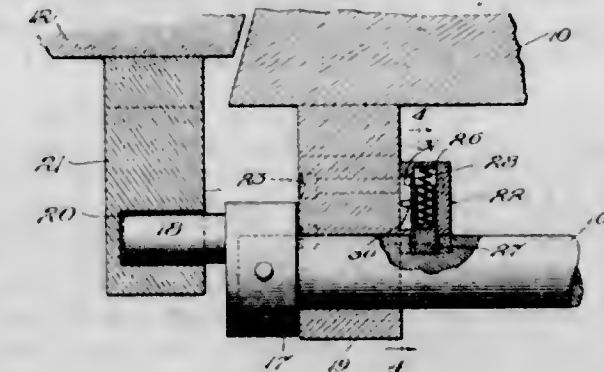
dephlegmated vapors, in collecting the resulting distillate, in separating reflux condensate resulting from the dephlegmation of the vapors into separate fractions, representing a heavy or less refractory fraction and a light or more refractory fraction, in returning the more refractory fraction directly to the heating zone for re-treatment, in returning the less refractory fraction of the reflux condensate to the reacting zone, and in maintaining a superatmospheric pressure on the oil undergoing treatment.

1,741,510. PROCESS OF CRACKING OIL. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 26, 1926. Serial No. 118,827. 4 Claims. (Cl. 196—48.)



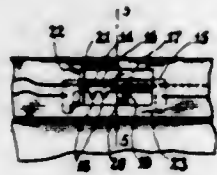
1. A process for cracking hydrocarbon oil comprising heating the oil in a heating coil to a cracking temperature, subjecting vapors evolved from the heated oil to reflux condensation in such manner that the lighter fractions of the reflux condensate separated from the vapors do not commingle with the heavier fractions of the reflux condensate, returning the lighter fractions of the reflux condensate to said heating coil to pass through a substantial portion thereof, returning the heavier fractions of the reflux condensate to said heating coil in such manner that the heavier fractions of the reflux condensate are caused to pass through a less portion of the heating coil than the lighter fractions of the reflux condensate.

1,741,511. VAULT CONSTRUCTION. ANTON EVENSEN, Fox Lake, Ill. Filed Apr. 16, 1928. Serial No. 270,354. 7 Claims. (Cl. 109—11.)



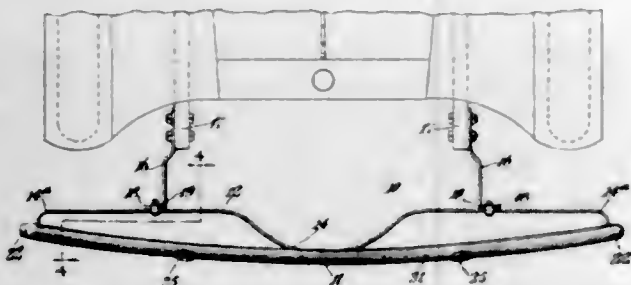
1. A vault construction including a door, a door frame, a movable bar carried by the door, means for operating the bar, means on the frame for engaging said bar and means for locking said door in immovable, incompletely closed position, consisting of a casing secured to the door adjacent said bar, a spring-pressed plunger in the casing adapted to enter a recess in the bar, and a key-operated lock in the casing having a lock lever adapted when key-actuated to engage the plunger to withdraw it from the bar recess.

1,741,512. COMBINATION HOSE AND SUPPORTER. JOHN FERRECK, Frum, W. Va. Filed Feb. 28, 1928. Serial No. 257,581. 2 Claims. (Cl. 2—240.)



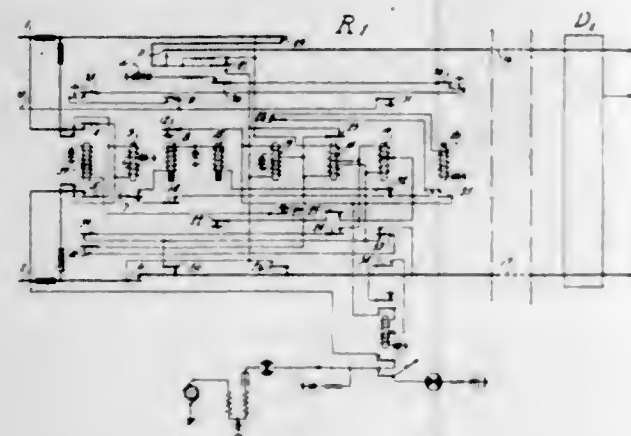
1. In a combination hose and supporter, non-stretchable strings loosely arranged between an elastic band and adjacent material of the said hose, a plate member and a second plate member slidably connected, one of the ends of each of the said strings being attached to said first mentioned plate member, and the other ends of the said strings being attached to the said second plate member, a plurality of lugs with apertures projecting from said first mentioned plate member, a lug with an aperture projecting from the said second plate member, and a wire engaged thru the latter lug and one of the former lugs.

1,741,513. BUMPER FOR MOTOR VEHICLES. THOMAS D. FINIZIO, Peekskill, N. Y. Filed May 25, 1927. Serial No. 193,956. Renewed Mar. 25, 1929. 17 Claims. (Cl. 293—55.)



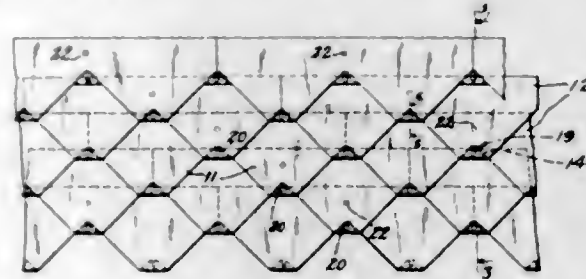
11. A fender-bar formed of sheet metal comprising a substantially flat longitudinal portion, and transversely curved rim portions along the opposite edges of said longitudinal portion, substantially as specified.

1,741,514. TELEPHONE SYSTEM. CHARLES GILLINGS and WILLIAM OGLESBY PASSMORE, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Dec. 14, 1923. Serial No. 680,636, and in Great Britain Dec. 19, 1922. 26 Claims. (Cl. 179—27.)



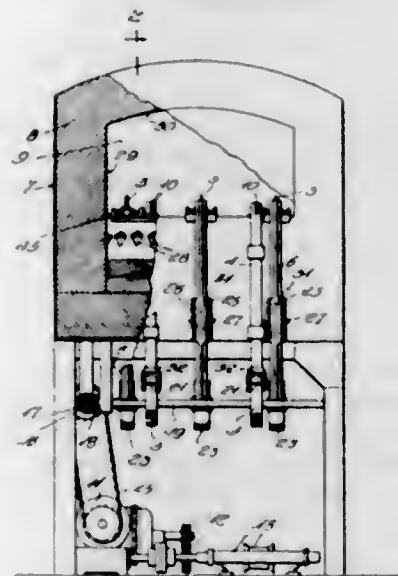
10. In a telephone system, a repeater for repeating impulses in one direction, and relays in said repeater responsive to three different kinds of current to repeat such currents in the other direction.

1,741,515. SHINGLE. MARTIN HALPRIN, Brooklyn, N. Y. Filed Aug. 28, 1928. Serial No. 302,474. 4 Claims. (Cl. 108—33.)



4. A shingle having its lower portions of triangular form, the corners of said portions being bent under to provide flaps, and means to secure the said flaps to a roof, or the like, said means being positioned wholly between adjacent lower portions of shingles of the next lower course, said flaps engaging under said means, said means having guiding coaction with the triangular portions between which they are positioned, said means including fastening projections extending into the roof, said flaps being slotted to receive the said projections, said means having downwardly offset spacing portions to contact the roof, and facilitate engagement of the flaps under said means, said slots receiving the spacing portions.

1,741,516. CONVEYER. FRED A. HANSEN, Milwaukee, Wis., assignor to Hevi Duty Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 23, 1928. Serial No. 248,927. 13 Claims. (Cl. 198—219.)

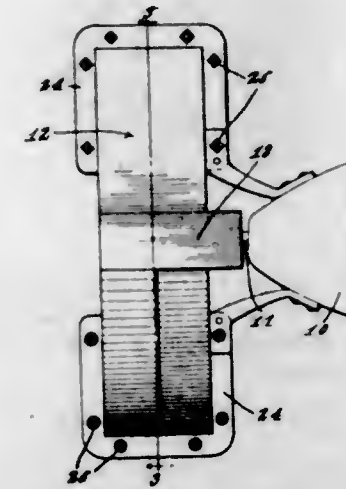


1. In a system for heat treatment, a furnace structure, a plurality of beams extending through said furnace structure for carrying articles to be subjected to heat treatment, a drive shaft, a plurality of cams mounted on said drive shaft, rocker arms pivotally mounted at opposite ends of said furnace structure, the extremities of said rocker arms engaging cams at the ends thereof and engaging the ends of said beams at the other extremities thereof for imparting reciprocatory motion to said beams in a substantially horizontal plane, auxiliary beams positioned intermediate said first mentioned beams, and means extending between cams actuated by said drive shaft and said auxiliary beams for imparting vertical movement thereto in timed relation to the reciprocatory movement of said first mentioned beams.

1,741,517. AIRPLANE-PROPELLING MECHANISM. FRED HEIDREDER, Quincy, Ill. Filed Nov. 16, 1927. Serial No. 233,686. 1 Claim. (Cl. 170—176.)

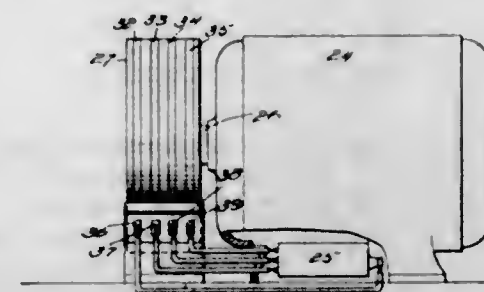
A propeller adapted to be attached to a vehicle and having a propeller shaft adapted to be connected with the

drive shaft of the vehicle, said propeller shaft having radially extending propeller blades, a casing surrounding said propeller blades and having a radially extending partition having a central opening therein, said propeller blades having peripheral notches therein to receive said



partition, said casing having front and rear openings in alignment with the opening in the partition, and nozzles connected peripherally with said casing and communicating therewith respectively on opposite sides of the partition, said nozzles being both directed rearwardly at diametrically opposite points of said casing.

1,741,518. CORRECTION OF POWER FACTOR IN INDUCTION MOTORS. CLINTON W. HUGH, Boonville, N. Y., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Feb. 27, 1925. Serial No. 12,164. 2 Claims. (Cl. 172—274.)

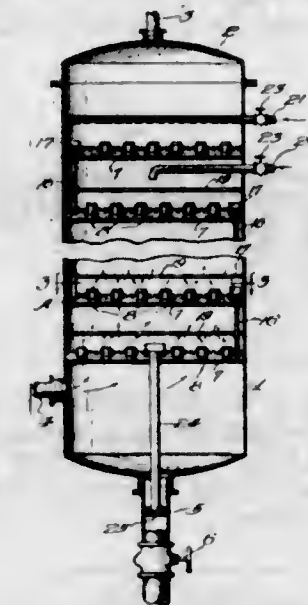


2. An induction motor system comprising in combination a motor frame, a hollow base for said frame, a stator winding, a rotor, a terminal block mounted adjacent said hollow base, slip rings mounted to rotate with said rotor, said slip rings being connected with a centrifugal switch mechanism, said centrifugal switch mechanism being mounted within said slip rings, brush contacts carried by said terminal block for providing sliding contact with said slip rings, a multi-section condenser positioned within said hollow base, sections of said condenser being connected with said brush contacts whereby different sections of said condenser are connected into circuit with said induction motor at different angular velocities of said rotor.

1,741,519. DEPHLEGMATOR OR FRACTIONATING COLUMN. LYMAN C. HUFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Dec. 10, 1926. Serial No. 153,782. 4 Claims. (Cl. 261—114.)

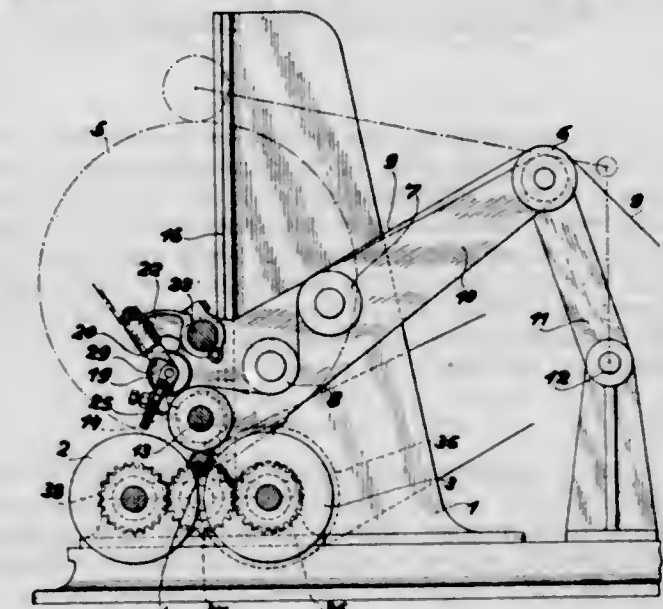
1. A dephlegmator comprising in combination a shell having a vapor inlet and a vapor outlet, a liquid inlet and a liquid outlet, spaced superimposed decks mounted in said shell, liquid overflow pipes for each deck having portions projecting above the deck to permit the accumulation of bodies of liquid on each deck, vapor passageways mounted

on each deck, said vapor passageways including a centrally positioned vapor conduit and a surrounding liquid conduit said conduits merging into a common passageway at the



upper part thereof, the lower end of said vapor conduit projecting through the associated deck, the lower end of the surrounding liquid conduit terminating above the deck but below the level of the liquid accumulated thereon.

1,741,520. ROLL CUTTING AND WINDING MACHINE. EMIL JACENBERG, Dusseldorf, Germany. Filed Aug. 30, 1926. Serial No. 132,644, and in Germany Nov. 6, 1925. 13 Claims. (Cl. 164—65.)

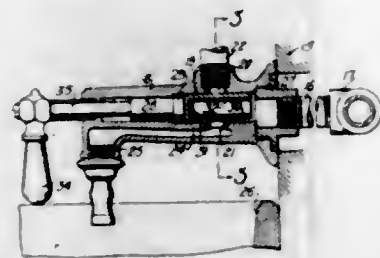


1. In a roll cutting and winding machine the combination with rotatable supporting means for supporting a diametrically gradually increasing roll of flexible material in contact therewith, of a movable supporting member, a rotatable lower and peripherally fluted cutting member on said supporting member and bearing upon said roll, the annular peripherally extending fluted portions comprising a cutting edge and an opposite outwardly flaring wall, upper, eccentrically movable cutting means engageable with the fluted portions, and guiding means on said supporting member, adapted to guide and feed a supply of flexible material between the cutting members and onto said roll.

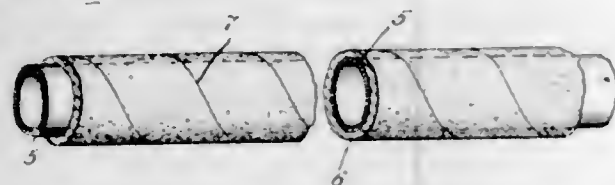
1,741,521. COMBINATION FIXTURE. JULIUS S. JUDELL, Milwaukee, Wis., assignor to The Milwaukee Flush Valve Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 25, 1926. Serial No. 83,445. 2 Claims. (Cl. 251—107.)

1. In a combination fixture, a valve body, a cylindrical seat in said body, a valve having a hollow cylindrical head

fitted for rotation in said seat, a pair of ports in said seat diametrically positioned, a longitudinal slot in said cylindrical head forming a port for selective cooperation with either of said pair of ports to control the rate of flow there-through, a transverse slot at the base of said hollow cylindrical head serving with said longitudinal slot to bifurcate said head, and an arcuate spring in contact solely with the inner wall of said hollow cylindrical head to maintain the bifurcated portions thereof in contact with said seat to form a leak-proof valve.

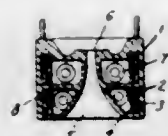


1,741,522. SULPHUR-CONTAINING COVERING. WILLIAM HOFFMAN KOBBE, New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex., a Corporation of Texas. Original application filed Aug. 13, 1926, Serial No. 129,086. Divided and this application filed Apr. 12, 1928. Serial No. 269,488. 4 Claims. (Cl. 154-2.)



1. The method of making articles having coverings composed in part at least of sulphur-impregnated fabric, which comprises impregnating fabric in a bath of molten sulphur at a temperature of substantially 150° C., wrapping the hot, sulphur-impregnated fabric upon the article to be covered, causing the temperature of the sulphur-impregnated fabric to be lowered and the sulphur to contract and solidify in crystalline form within the interstices of the fabric.

1,741,523. PROCESS AND SLOT MEMBER FOR MANUFACTURING GLASS SHEETS. NICOLAI PAWLOWITSCH KRASNIKOV, Moscow, Russia. Filed Aug. 8, 1928, Serial No. 298,367, and in Germany Feb. 1, 1927. 3 Claims. (Cl. 49-17.)

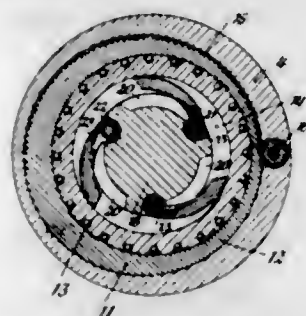


1. A slot member for drawing glass sheets, comprising in combination inner walls confining a drawing slot and a lower enlarged entrance space, outer walls and an inner partition wall forming separate hollow spaces along said enlarged entrance space and along said slot, and fittings adapted to pass different temperature regulating fluids through said separate hollow spaces.

1,741,524. POWER-TRANSMISSION MECHANISM. MAX KREHER, Freiberg, Germany. Filed Oct. 7, 1927. Serial No. 224,613, and in Germany May 25, 1927. 5 Claims. (Cl. 192-58.)

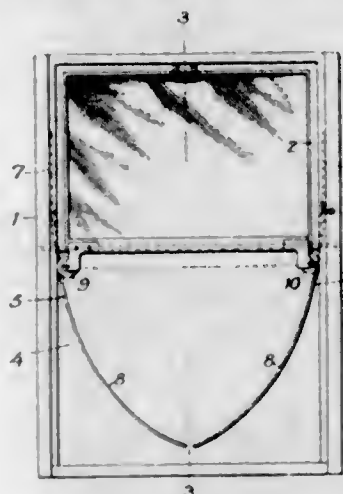
1. In a power transmission mechanism, in combination, a rotatable casing, a concentrically bored chamber therein,

containing a fluid, a centrally located rotatable head in said chamber and provided with spring-actuated vanes which bear against the encompassing wall of the chamber,



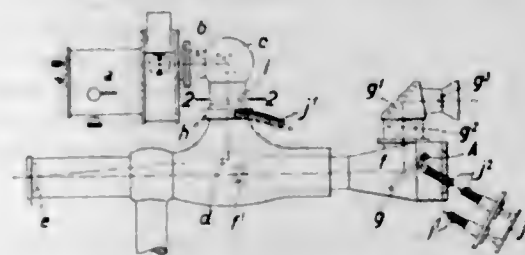
a shaft carrying the said head and protruding from the casing, and means between the chamber and the casing for shifting the chamber from a centric to an eccentric position in the casing.

1,741,525. SPRING COUNTERBALANCING MEANS. ERNST KREISSIG, Uerdingen, Germany. Filed May 29, 1928, Serial No. 281,523, and in Germany May 31, 1927. 6 Claims. (Cl. 292-75.)



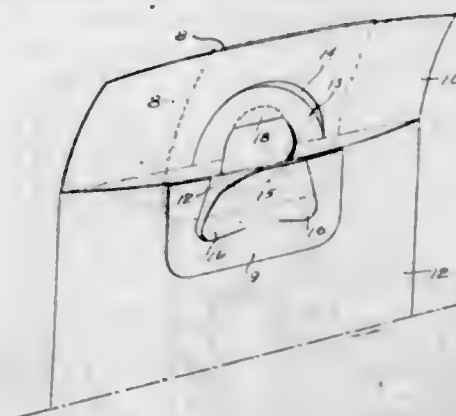
1. The combination with a stationary supporting element, and a movable element to be supported, of rollers on one of said elements, and springs fixed at one end to the other element and having arcuately curved free ends adapted to be engaged by said rollers on a relative movement of the elements so as to flatten out portions of the springs and place portions of the springs under stress.

1,741,526. APPLIANCE FOR PHOTOGRAPHING THE INTERIOR OF THE EYE. THEODOR KCHL, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Feb. 20, 1929, Serial No. 341,533, and in Germany Feb. 22, 1928. 3 Claims. (Cl. 95-11.)



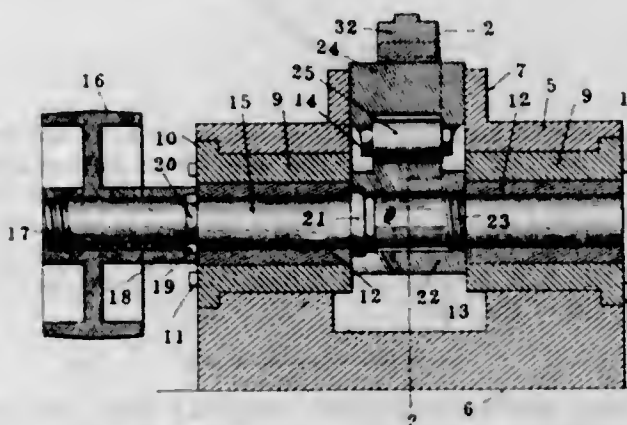
1. An appliance for photographing the interior of the eye, containing an illuminating device consisting of a source of light and of optical means adapted to pass on the rays coming from the source of light to the eye to be photographed, a camera consisting of a dark chamber and an objective, and a sector shutter arranged in the passage for the rays of the illuminating device, the sectors of the said shutter being provided with holes forming together a small aperture when the shutter is closed.

1,741,527. SHOPPING BAG. ROBERT M. LACKEY, Waterford, N. Y. Filed Jan. 31, 1927. Serial No. 164,772. 2 Claims. (Cl. 229-68.)



1. A bag as characterized having a front, a back extending unbroken to the receiving opening of said bag, and a closure flap; a locking device for said bag embodying said flap having an opening therein, and a patch of reinforcing material permanently adhered to the back of said bag adjacent the edge thereof, said patch having a latch formed exclusive of said back therefrom, said latch having lateral extensions, said latch being adapted to be drawn through said opening and the extensions thereof to overlap said openings at the outer side of said flap, and a reinforcing patch mounted on said flap at the outer side thereof to surround said opening, said patch extending below the opening edge of said bag for reinforcing said flap at the folding line thereof.

1,741,528. VIBRATOR FOR ORE SCREENS. ARTEMUS L. LA MONT, Fredericktown, Mo. Filed Feb. 10, 1927. Serial No. 167,104. 3 Claims. (Cl. 74-14.)

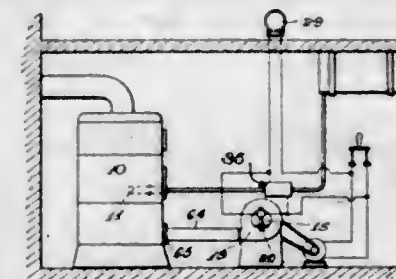


1. In a device of the class described, the combination with a casing, of a bearing in said casing, a driving shaft journaled in said bearing, a groove in said shaft at one end of said bearing, a split ring in said groove, a collar on said shaft and surrounding said ring, a pulley threaded on said shaft and bearing against said collar, a flange on said shaft at the other end of said bearing, a cam sleeve threaded on said shaft and bearing against the flange, and connections operated from said sleeve.

1,741,529. HEATING SYSTEM AND APPARATUS. FRANK MARION, Brattleboro, Vt., assignor of one-third to Elwin L. Scott, Barre, Vt., and one-third to Herbert G. Barber, Brattleboro, Vt. Filed Jan. 7, 1928. Serial No. 245,229. 2 Claims. (Cl. 236-1.)

1. In a heating apparatus including a burner having a fuel supply and means to control the fuel from a minimum degree for low fire to a maximum for high fire, a forced draft means for the burner, and a conduit open through

the forced draft means constantly: a valve at the intake of the conduit responsive to the forced draft to produce



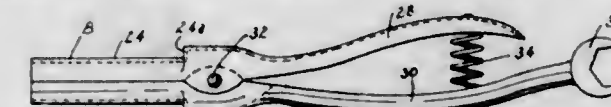
a predetermined minimum opening for low fire operation and thermostatically controlled means to open the valve to a maximum opening at high fire operation of the burner.

1,741,530. ELASTICIZED FABRIC. JEROME MAYER, Belle Harbor, N. Y., assignor to Comfoelastic Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 2, 1928. Serial No. 316,879. 2 Claims. (Cl. 154-2.)



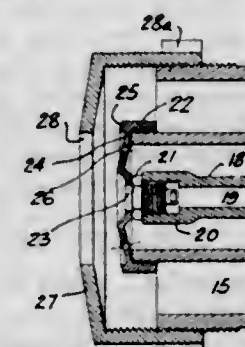
1. The process of producing an elasticized fabric which comprises subjecting the fabric to a moisture treatment, then stretching the fabric in one direction, allowing the fabric to become set in its stretched condition, then vulcanizing a sheet of rubber on one face of the fabric to thereby impart elasticity thereto in a direction transverse to the direction of its initial stretching.

1,741,531. BATTERY-TERMINAL CLEANER. ARCHIBALD S. MILLER, St. Paul, Minn. Filed Feb. 13, 1928. Serial No. 253,857. 2 Claims. (Cl. 15-236.)



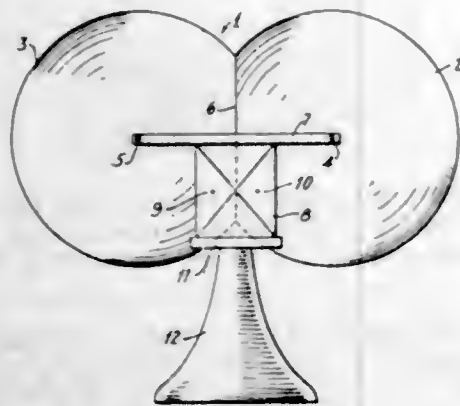
1. In a battery terminal cleaner, a cleaner element comprising a pair of like channel-shaped members having substantially rectangular inner and outer cutting edges along their meeting faces, said members being pivoted together and provided with handles, said members being so flared that when they are moved apart on their pivot, they form a split frustum of a cone adapted to clean the interior of a tapered opening in a link and the exterior of a tapered post.

1,741,532. COMBINATION GAS AND OIL BURNER. ALBERT W. MORSE, Long Island City, N. Y. Filed June 15, 1926. Serial No. 116,143. 2 Claims. (Cl. 158-11.)



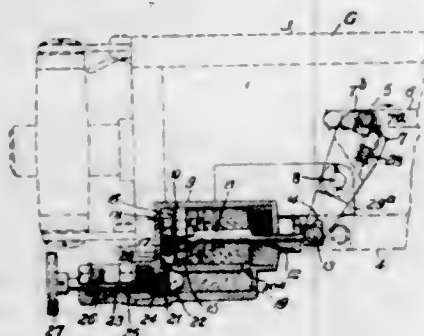
1. In a fuel burner, a liquid fuel supply pipe extending through the burner, a gas chamber surrounding the said liquid fuel supply pipe, a spray nozzle at the terminal of the fuel supply pipe, a cap contacting with and enclosing the said spray nozzle and serving as a closure to the said gas chamber having a number of circularly disposed ports having their axes inclined to common centers, adapted to discharge diverging jets of gas at the outlet end of the burner, and means, independent of the said liquid fuel supply pipe, to admit gas to the said chamber.

1,741,533. NONCIRCULAR CONE LOUD-SPEAKER. ALEXANDER McLEAN NICOLSON, New York, N. Y., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 11, 1927. Serial No. 174,492. 5 Claims. (Cl. 181-31.)



1. A sound reproducer comprising a relatively large rigid diaphragm comprising a plurality of mutilated conical shaped diaphragm sections physically united.

1,741,534. SPEED REGULATOR FOR MACHINE GUNS. CHRISTIAN PFEIFFER, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed July 12, 1927. Serial No. 205,210. Renewed Mar. 14, 1929. 18 Claims. (Cl. 89-2.)

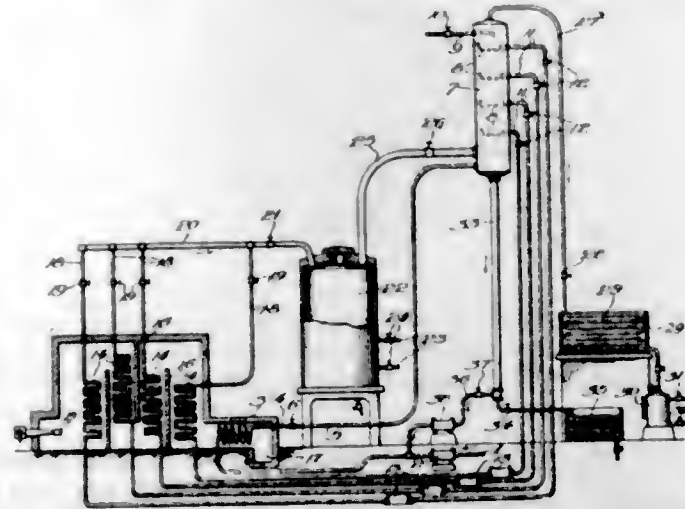


1. The combination with an automatic firearm comprising a recoil-actuated reciprocating member, of a regulating element automatically engaging the said reciprocating member during the initial part of its counter-recoil movement and automatically disengaged therefrom immediately thereafter to permit the reciprocating member to complete its counter-recoil movement independently of the regulating element, means connected with the said regulating element for thereby retarding the said initial part of the counter-recoil movement of the reciprocating member, and automatic means dependent upon the recoil movement of the firearm and acting during such movement for returning the regulating element to its position of initial engagement with the said member.

1,741,535. HYDROCARBON-OIL CONVERSION. CLIFTON J. PRATT, Tulsa, Okla., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed July 8, 1928. Serial No. 121,066. 5 Claims. (Cl. 196-48.)

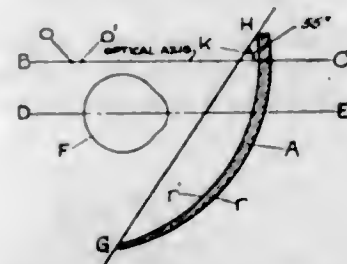
3. A process of hydrocarbon oil conversion comprising subjecting the charging stock to non-cracking conditions of temperature to cause substantial vaporization, separating the constituents of said charging stock into lighter and heavier fractions, simultaneously and separately subjecting the separated fractions to independently controlled cracking temperature and pressure conditions, the lighter fractions being subjected to the higher cracking tempera-

ture and pressure conditions relative the heavier fractions, in permitting separation of vapors from said independently heated fractions, in introducing said vapors into the zone where fractionating of the charging stock takes



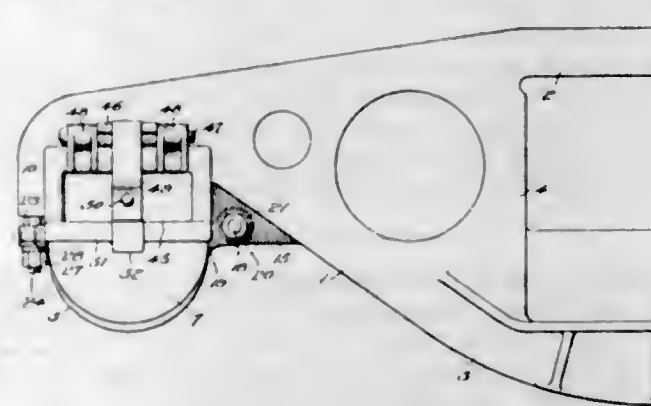
place and depleting the vapors in said fractionating zone, the reflux condensate separating in said fractionating zone into lighter and heavier fractions and combining respectively, with the fractions of the charging stock.

1,741,536. GOGGLES. WILBUR B. RAYTON, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed May 21, 1927. Serial No. 193,135. 6 Claims. (Cl. 88-54.)



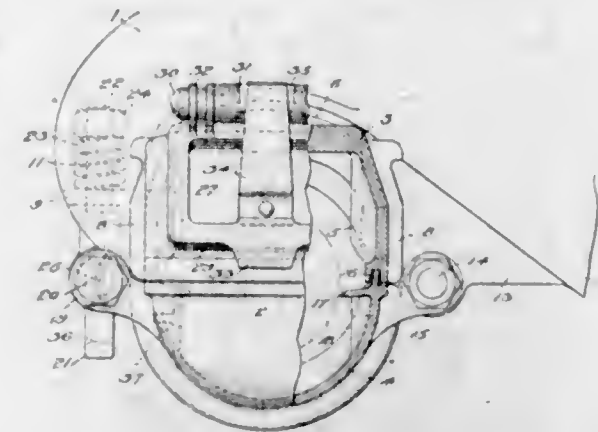
1. A curved goggle lens which is designed for use in a definite position before the eye, the direct line of sight of the eye being spaced from and substantially parallel to the optical axis of the lens when the lens is used before the eye, said optical axis passing through the lens at a point which is between the direct line of sight and the nasal edge of the lens.

1,741,537. SIDE FRAME AND JOURNAL BOX. WILLARD F. RICHARDS, Depew, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Feb. 15, 1927. Serial No. 168,338. 16 Claims. (Cl. 105-220.)



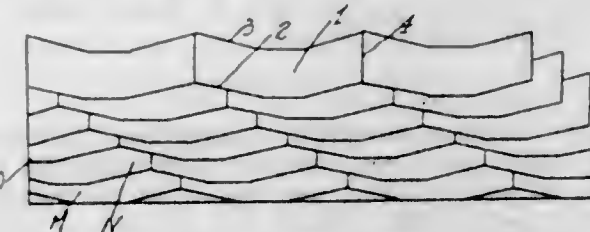
1. A truck side frame provided with journal boxes at the ends thereof, said boxes being formed as upper and lower sections resiliently held together.

1,741,538. SIDE FRAME WITH SEPARABLE JOURNAL BOXES. WILLARD F. RICHARDS, Depew, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed June 1, 1927. Serial No. 195,843. 6 Claims. (Cl. 105-221.)



1. In combination, a side frame having a jaw at each end thereof, journal boxes received in said jaws, and means for resiliently holding said journal boxes in place.

1,741,539. ROOFING SLAB. JOHN MOORE RICHARDSON, Cincinnati, Ohio, assignor, by mesne assignments, to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 7, 1926. Serial No. 79,828. 1 Claim. (Cl. 108-7.)



A roof composed of slab shingles, each having a symmetrical unitary configuration of the butt of polygonal downwardly convex-like configuration, each having a length equal to at least twice the width, and laid in courses, the courses being irregularly staggered.

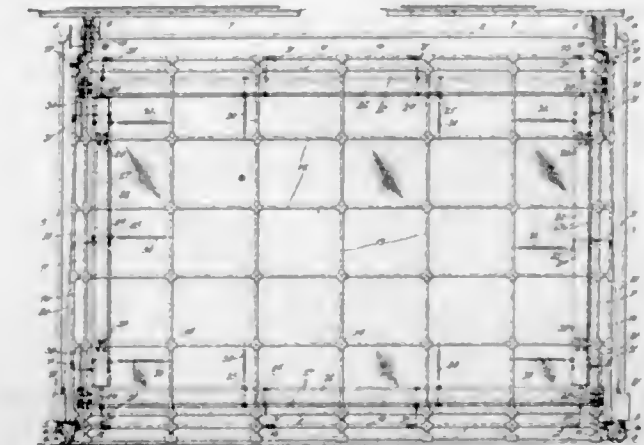
1,741,540. PROCESS FOR THE PRODUCTION OF HIGH-ALPHA CELLULOSE FIBER FOR THE MANUFACTURE OF CELLULOSE DERIVATIVES. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Dec. 16, 1925. Serial No. 75,888. 3 Claims. (Cl. 92-13.)

1. A process for the production of a white high alpha cellulose fiber having good papermaking qualities and adapted for conversion into cellulose derivatives, which comprises treating raw pulp with an alkaline liquor to remove non-alpha cellulose constituents contained therein, thereby augmenting its alpha cellulose content to produce a high alpha cellulose fiber; bleaching said fiber; and then treating said bleached fiber with an alkaline liquor to remove non-alpha cellulose constituents contained therein due to said bleaching operation, thereby further augmenting its alpha cellulose content, but without injury to its papermaking characteristics.

1,741,541. STRETCHING AND DRYING FRAME. ALBERT O. SCHRAMM, St. Louis, Mo., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 30, 1925. Serial No. 72,233. 7 Claims. (Cl. 45-24.)

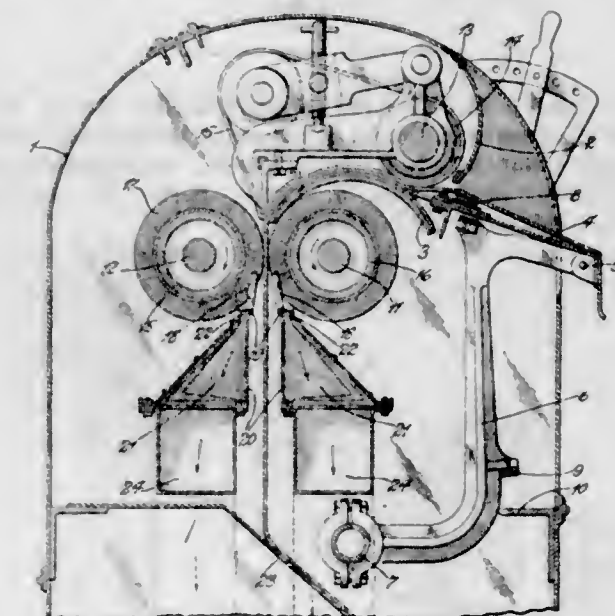
2. An apparatus of the character described comprising an outer frame, an inner frame having its lower edge

pivoted to said outer frame, a sheave rotative on said outer frame, a cable connecting said sheave and said inner frame for holding said inner frame upright, means in



connection with said sheave and said outer frame for rotating said sheave in a direction to wind said cable on said sheave, and fabric engaging devices supported by said inner frame.

1,741,542. MACHINE FOR RAISING NAP ON TEXTILES AND THE LIKE. ALBERT O. SCHRAMM AND JOHN H. SCHREIBER, St. Louis, Mo., assignors, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 4, 1928. Serial No. 282,534. 12 Claims. (Cl. 26-29.)

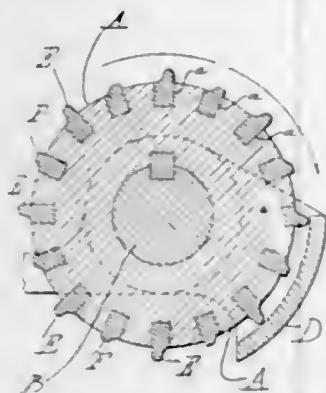


1. A machine of the character described comprising a pair of oppositely rotative cylindrical brushes supported in position to brush sheets of fabric passing between them, and a row of arms extending into each of said brushes near the discharge line and from the side opposite from which the fabric passes between said rolls, said rows of arms inclining toward each other and having pointed extremities.

1,741,543. RASPING DRUM FOR DECORTICATING MACHINES AND PROCESS OF DECORTICATING. WALTER B. SIMONS, Buffalo, N. Y., assignor to The Geo. L. Squier Mfg. Co., Buffalo, N. Y. Filed Dec. 10, 1925. Serial No. 74,452. 5 Claims. (Cl. 19-27.)

1. A rasping drum for a decorticating machine provided with a plurality of rigid blunt rasping projections extending lengthwise of said drum and into such proximity to a rasping plate that single fibers can just occupy this space without damage to the fibers by said projections, and a plurality of rigid projections arranged alternately

with said rasping projections and extending at a greater distance to said rasping plate and serving to permit part of the non-fibrous material to adhere to the fibers during

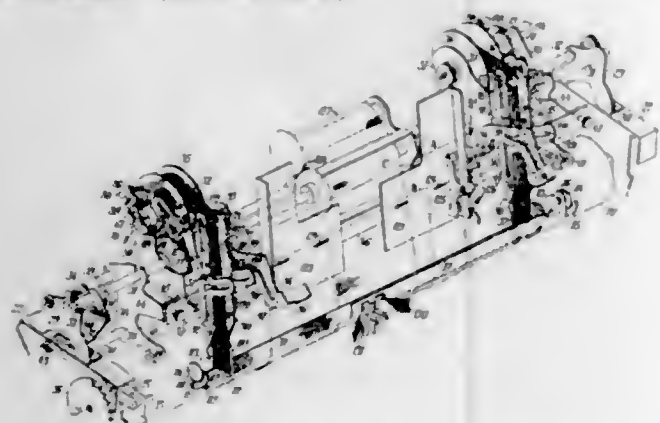


the first passage of said fibers through the space between said drum and said plate to prevent fibers from winding around said drum.

1,741,544. PROCESS FOR BRIQUETTING FLUE DUST. EDGAR A. SLAGLE, Trenton, and BERRY MARVEL O'HARRA, Westfield, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1926. Serial No. 134,573. 6 Claims. (Cl. 75-73.)

1. Process of briquetting fume containing colloidal matter which consists in mixing with the fume an acid deflocculating agent in amount less than 2 per cent of the weight of the fume, together with sufficient water to make the mixture plastic, working the mixture into a uniformly plastic mass, then forming said mixture into briquettes, and drying said briquettes.

1,741,545. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 5, 1927. Serial No. 159,046. 57 Claims. (Cl. 197-153.)

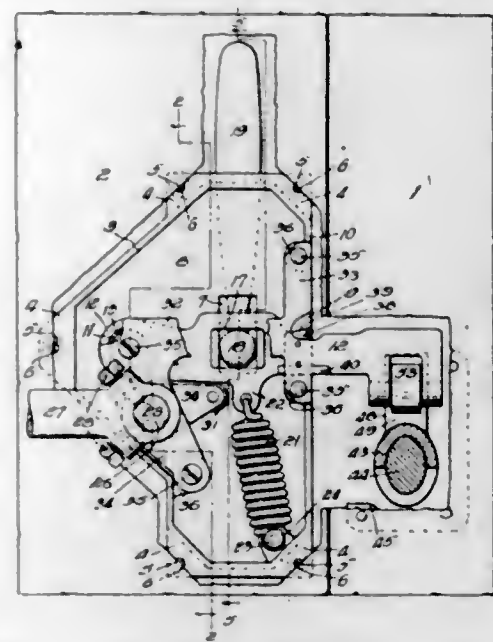


1. In a typewriting machine, the combination of a carriage having a platen, a pair of ribbon-spools, a frame at each end of the carriage and stationary with respect thereto to support a ribbon-spool over the platen, a vertically-disposed guide in front of each ribbon-spool and between the latter and the platen, and a ribbon-vibrator slidably mounted upon each guide and operative to direct the ribbon from each spool to the typing line and then deflect the path of the ribbon along the typing line.

1,741,546. REFRIGERATOR LATCH. CARL G. STROTZ, St. Louis, Mo. Filed Sept. 5, 1925. Serial No. 34,682. 10 Claims. (Cl. 292-224.)

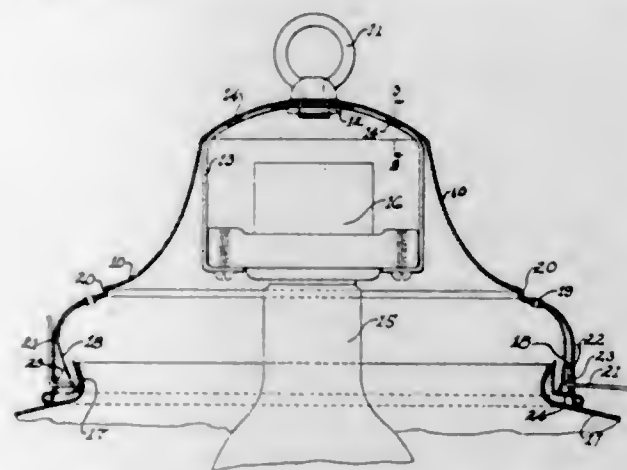
1. In a refrigerator latch structure, a casing, a back plate for the casing, a keeper, a spring actuated pivotally mounted and laterally movable latch member having an opening therein partly disposed within the casing and adapted to cooperate with the keeper to retain a refrigerator door in its closed position, a pivotally supported outside

handle having its inner end disposed in said latch opening and in direct contact with the latch member for raising the latch member for disengagement with the keeper, a shoulder plate removably fixed to the back plate for retaining the latch member in its raised position when



disengaged from the keeper, and an adjustable forwardly directed element disposed above and to the rear of the keeper which the latch member is adapted to strike against when closing the door for removing the latch member from the shoulder plate for permitting it to fall behind and in engagement with the keeper.

1,741,547. SHADE HOLDER. ALEXANDER K. SUTHERLAND, Milwaukee, Wis., assignor to Moe-Bridges Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 24, 1927. Serial No. 215,168. 2 Claims. (Cl. 240-132.)

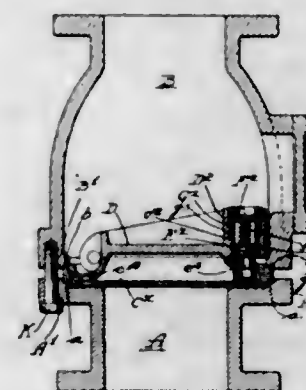


1. A shade holder, comprising a shell provided with a shoulder, spring tongues riveted to the shell and having bent ends engaging the shoulder and having their other ends bent to form yielding shade engaging portions, angular locking levers with stems extending through openings in the shell member and with enlarged heads forming shoulders, washers on the stems between the shoulders and the shell member, said heads engaging the spring tongues to force them inwardly, and lugs bent out from the spring tongues to engage the shell member and block the space between the spring tongues and the shell member.

1,741,548. VALVE FOR SPRINKLER SYSTEMS. EMIL TADEN, Evanston, Ill. Filed Sept. 26, 1927. Serial No. 221,592. 4 Claims. (Cl. 277-20.)

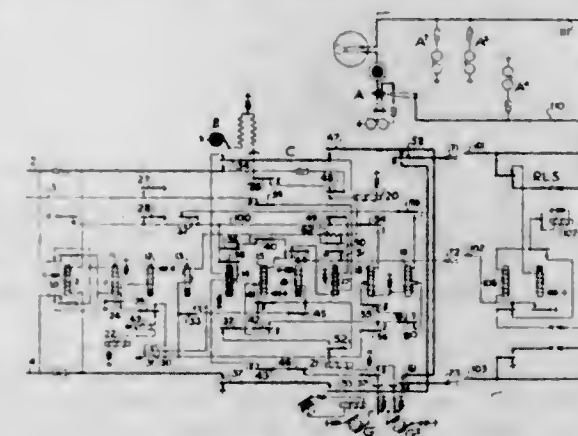
1. In a fire extinguishing sprinkler system a main water supplying structure comprising a water inlet pipe member,

a main valve body member and a main valve seating member; said three members having substantially registering water ports and annular areas encompassing said ports adapted for water-tight junction of said members successively with each other, and means for clamping said three members together with the valve seating member interposed and clamped between the other two; a main valve in the main valve body member pivoted for seating on said main valve seating member; a duct whose entirety is comprised within said three clamped-together members, having its inlet port at the inner surface of said valve seating member and extending thence into and in outward direction past the zone at which said three members are clamped water-tight, for emerging at the exterior surface of one of said members, and a valve controlling said last mentioned port carried by the main valve for seating at said port.



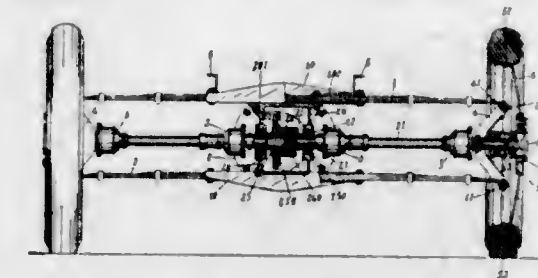
3. In the construction defined in claim 1, the interposed and clamped valve seating member being dimensioned as to thickness for accommodating said duct and having the duct extending therein transversely of said zone and opening upwardly within the zone at the surface of said valve seating member, the valve body member having a continuation of said duct opening within the clamping surface at a position for registering with said upward opening of the valve seat member, the duct extending in the valve body member upwardly a short distance and then outwardly opening through the exterior surface of said body member for exterior pipe connection thereto.

1,741,549. AUTOMATIC TELEPHONE SYSTEM. JOHN H. VOSS, Chicago, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 18, 1926. Serial No. 142,245. 24 Claims. (Cl. 179-17.)



1. In a telephone system, a connector switch, party lines accessible thereto, means for operating said switch to select a line, a source of signalling current, a relay in said switch actuated responsive to one impulse of a series of impulses sent to said switch and deactuated responsive to another impulse of said series, and means controlled by said relay for applying said source of ringing current to either side of the selected line to signal either one of two parties connected to said line depending on the number of impulses in said series.

1,741,550. REAR-AXLE ASSEMBLY. JAMES A. WRIGHT, Montreal, Quebec, Canada. Filed Jan. 8, 1927. Serial No. 159,908. 1 Claim. (Cl. 180-73.)

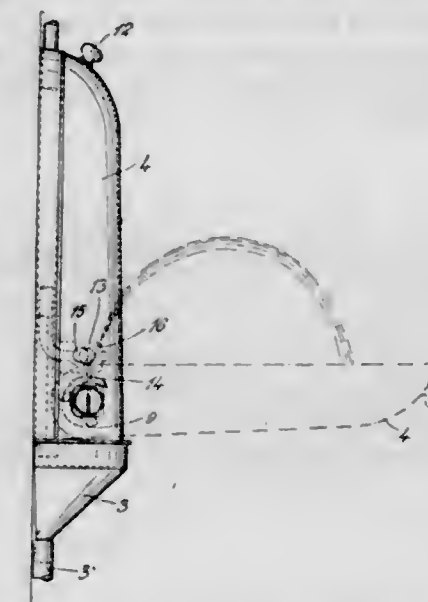


In a device of the class specified, a disc wheel having an inwardly projecting hub comprising a sleeve and a central stub axle, combined with a wheel carrier having an outwardly projecting sleeve mounted on the stub axle on which roller bearings are mounted between the sleeves, and spring bearing supports extending over the hub and providing bearings for the ends of the transverse springs in the load plane of the wheel.

1,741,551. METHOD OF PRODUCING ELEMENTAL SULPHUR. RAYMOND C. BENNER, Niagara Falls, and ALFRED PAUL THOMPSON, Jackson Heights, N. Y., assignors to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Jan. 21, 1927. Serial No. 162,570. 22 Claims. (Cl. 23-226.)

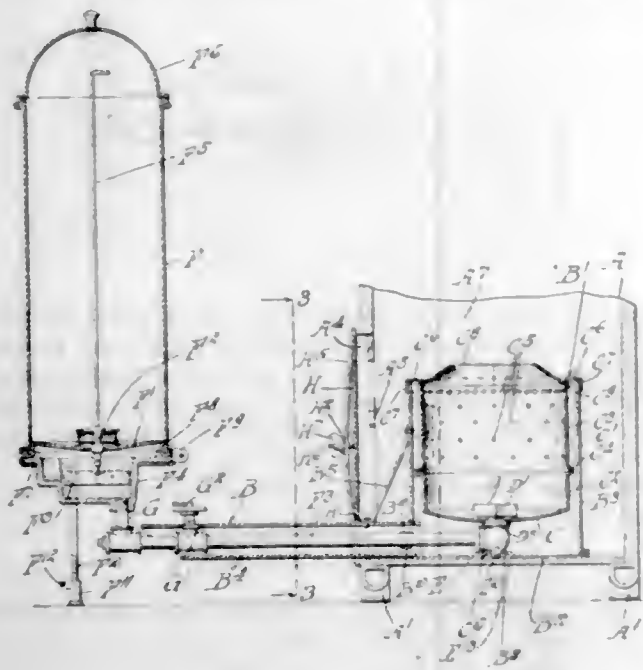
22. The process of producing elemental sulphur which comprises the steps of causing the interaction of a gas containing sulphur dioxide with reducing fuel at a temperature above that at which the elemental sulphur formed will be precipitated, cooling the resulting gas mixture to condense a substantial proportion of the elemental sulphur formed, removing the condensed sulphur from the gas stream, and then contacting the gas while at a temperature below 200° C. with a catalyst capable of causing the interaction of hydrogen and sulfide with an oxidizing gas.

1,741,552. DRINKING FOUNTAIN. OLAF MARTINIUS BØHN, Mysen, Norway. Filed Dec. 3, 1927. Serial No. 237,566, and in Norway Oct. 6, 1926. 2 Claims. (Cl. 299-13.)



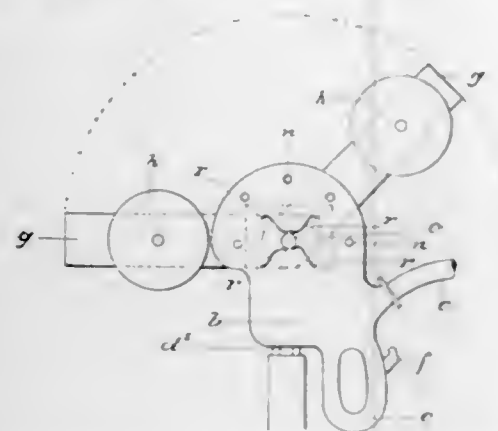
2. In a drinking fountain, in combination, a wall bracket, a cover forming a trough hinged to said wall bracket, a spring acting to maintain said cover normally adjacent to said wall bracket, a water supply pipe enclosed by said cover in normal position, a valve positioned in said water supply pipe, a pin engaging said valve and adapted to open the same, a cam member integral with said cover engaging said pin upon the rotation of said cover to open said valve, a drain hopper cooperating with said hinged cover to collect waste.

1,741,553. HYDROCARBON BURNER. JAMES L. BREERSE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1927. Serial No. 233,757. 5 Claims. (Cl. 158—86.)



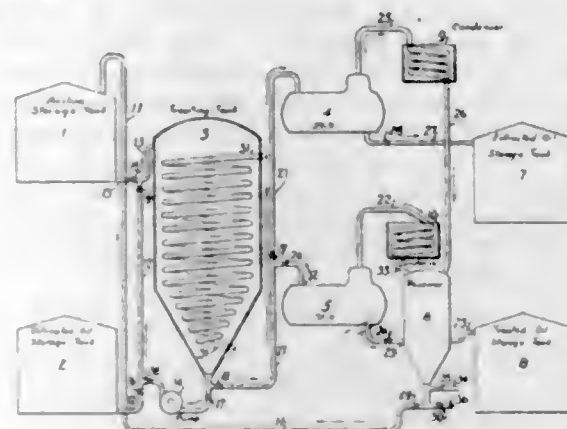
1. As a new article of manufacture, a self-contained hydrocarbon burner and fuel storage unit adapted to be applied to a furnace, such unit including a mixing chamber and an air chamber thereabout and an air passage extending outwardly from said air chamber, the mixing and air chamber being adapted to be positioned within the furnace during normal use of the device, the air passage extending exteriorly from said furnace, a fuel line inwardly extending through said air passage and in communication with the mixing chamber, and a fuel tank in communication with the opposite end of said fuel line, and supporting means for said tank, the various parts of the unit so formed being permanently positioned in relation to each other, the unit as a whole being freely removable from the furnace.

1,741,554. APPLIANCE FOR CUTTING OR SAWING CARCASSES OF DEAD ANIMALS. EMILIO BUCHWALD, Buenos Aires, Argentina. Filed Jan. 26, 1928. Serial No. 249,676, and in Argentina Oct. 25, 1927. 2 Claims. (Cl. 17—23.)



2. In a pneumatically operated carcass cutter including its cutting tools, means for guiding said tools during their operation, a pneumatically operated hammer, a perforated casing therefor, a handle on said casing, a pair of levers pivotally secured at their meeting ends to said casing, and having perforations, shiftable weights on said levers, and pins entering the perforations in said casing and said levers to adjust and lock the weights in their relative adjusted position, and a plurality of springs for cushioning the vibration of the hammer during its pneumatic operation.

1,741,555. PROCESS OF PURIFYING PETROLEUM DISTILLATES. MARVIN L. CHAPPELL, Inglewood, and GEORGE J. ZISER, Los Angeles, Calif., assignors, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif., a Corporation of Delaware. Filed July 20, 1925. Serial No. 44,757. 4 Claims. (Cl. 196—13.)



2. The process of treating viscous high boiling point petroleum distillates, having an initial boiling point of about 400° F., which comprises admixing such oil with aniline oil and heating the admixture to effect a homogeneous solution, then cooling the solution to effect separation thereof into liquid oil and aniline oil containing unsaturated constituents of the petroleum oil in solution, and separating such liquids.

1,741,556. OIL AND GREASE PROOF LINER PAPER OR BOARD AND PROCESS OF MAKING SAME. ALBERT L. CLAPP, Danvers, Mass. Filed July 16, 1926. Serial No. 123,021. Renewed June 3, 1929. 10 Claims. (Cl. 154—2.)

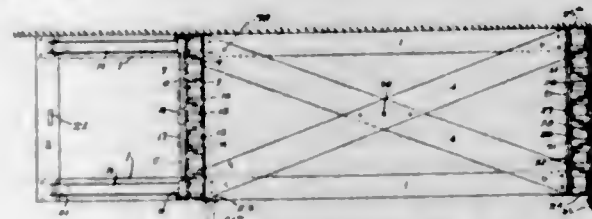
3. A process which comprises forming a liner paper and a paper filled with material capable of reacting with sodium silicate to produce a hardening compound, uniting the webs while wet, drying the composite web, treating the filled web with sufficient sodium silicate to penetrate to the other web, thereby firmly bonding together the webs with the hardening compound, forming the treated paper into an article of the desired shape, and allowing the article to set or harden.

1,741,557. LAWN SPRINKLER. WALTER H. COLES, Troy, Ohio, assignor to The Skinner Irrigation Company, Troy, Ohio, a Corporation of Ohio. Filed Feb. 9, 1922. Serial No. 535,392. 5 Claims. (Cl. 299—60.)



5. In a lawn sprinkling device, a nozzle comprising means for projecting fan shaped sprays laterally directed from the nozzle, and other means for directing a fan shaped spray between the said laterally directed sprays.

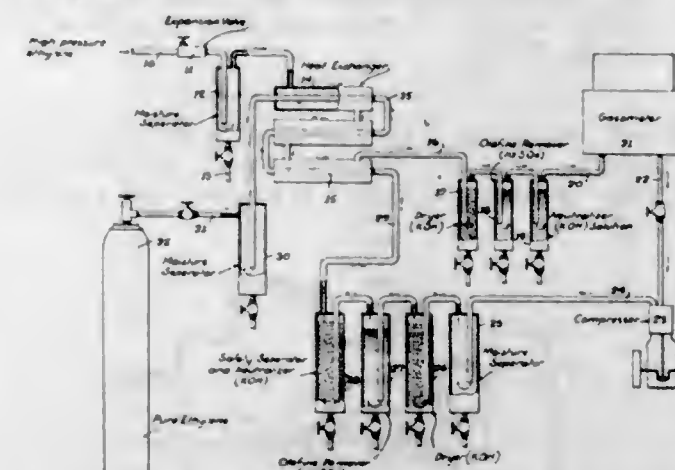
1,741,558. RESILIENT SHEET HOLDER FOR RAILWAY CARS. DAVID A. COOPER, Dayton, Ohio. Filed July 11, 1927. Serial No. 204,778. 4 Claims. (Cl. 105—369.)



1. A railway-car sheet-holder comprising two sets of oppositely-disposed channel members, the channel mem-

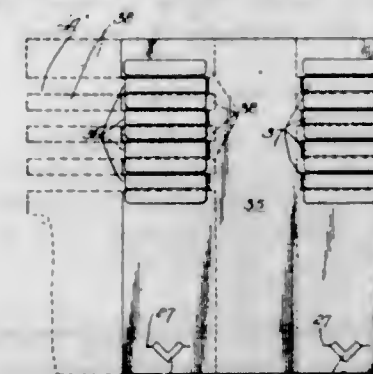
bers of one set movable toward and between the channel members of the other set, guiding means for the movable channel members, flat springs connected to the inside middle portions of the channel members of one set, and plates connected to the channel members of the other set for engagement by the ends of said springs, for the purpose specified.

1,741,559. PURIFICATION OF ETHYLENE. HOWARD H. DAWSON, Cleveland, Ohio, assignor to The Ohio Chemical & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 7, 1925. Serial No. 943. 3 Claims. (Cl. 260—170.)



1. In a process for purifying ethylene, the steps comprising expanding compressed ethylene to cool the same to a relatively low temperature and thereby cause condensation of impurities, removing impurities so condensed, including moisture, from the cold expanded gas, passing the cold expanded gas in heat-exchanging relation to warmer compressed ethylene to warm the former and cool the latter, compressing the warmed gas and removing moisture therefrom, treating the gas thereafter with sulfuric acid to remove olefine impurities, passing the gas in the above mentioned heat-exchanging relation to the cold expanded ethylene, and removing impurities condensed or frozen in such passage.

1,741,560. ADVERTISING DISPLAY BOARD. ALBERT W. ENGEL, Chicago, Ill. Filed June 4, 1928. Serial No. 282,548. 9 Claims. (Cl. 211—55.)

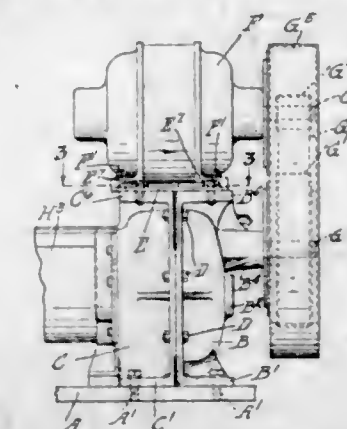


1. An advertising display device consisting of a panel of sheet material provided with a plurality of spaced apertures, and pockets disposed at the rear side of said panel in registration with said apertures respectively, to serve as containers for merchandise, said pockets being telescoped one within another.

1,741,561. SPEED-REDUCTION UNIT. JOHN L. ERIKMAN, Oak Park, Ill., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 14, 1926. Serial No. 141,466. 2 Claims. (Cl. 74—7.)

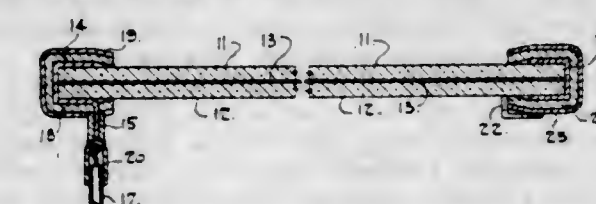
1. In combination in a gear reduction assembly, double reduction elements, including a driving motor, a shaft, and a driven shaft, the driving motor carrying a pinion,

the first mentioned shaft carrying a gear driven from such pinion and carrying also a second pinion, the driven shaft carrying a gear driven from such second pinion, and a housing enclosing the second pinion and driven gear and having formed within it bearings for the shaft and



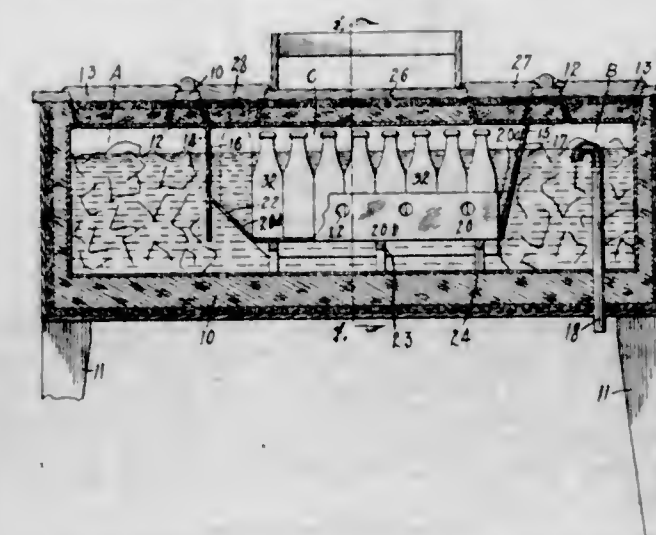
the driven shaft and serving as a support for the driving motor, adjustable means whereby the same is mounted upon such housing, the housing being formed in two main portions, means for joining them together, such means including a motor carrying element, the same being adjustably mounted on the housing.

1,741,562. WINDSHIELD AND THE LIKE. JOSEPH AUGUSTIN FAGUY, Montreal, Quebec, Canada. Filed Jan. 18, 1928. Serial No. 247,687. 1 Claim. (Cl. 219—19.)



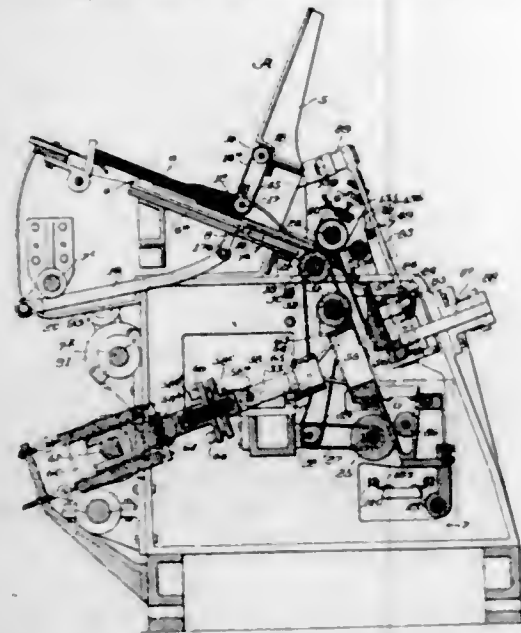
In a windshield, a heater formed of inwardly flanged copper strips having offset lugs projecting therefrom and spaced parallel wires centrally welded thereto, glass panes introduced in said flanges and covering said wires on the inner and outer sides, an electric terminal secured to one of said lugs and a metal frame enclosing said flanged strips and insulated therefrom and connected to the other lug.

1,741,563. BOTTLE COOLER AND DISPENSER. FRANK M. GRAHAM, Ottumwa, Iowa. Filed Aug. 2, 1926. Serial No. 126,400. 6 Claims. (Cl. 312—36.)



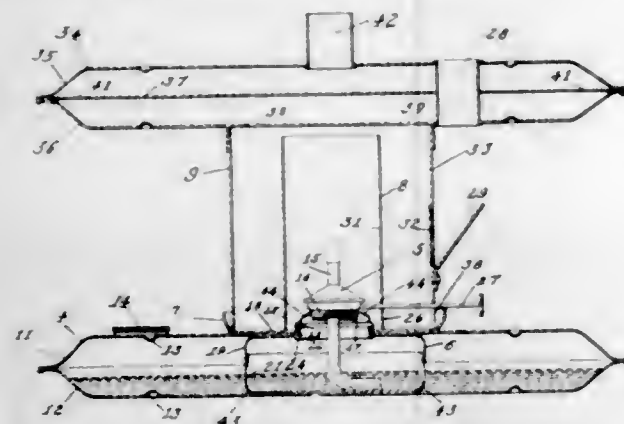
1. In a device of the class described, a casing having a cooling compartment, a series of bottle slides in said compartment each having a fixed inclined end wall, movable doors above the ends of said slides, a refrigerant compartment communicating with said cooling compartment and means for supporting said slides above the bottom of the cooling compartment.

1,741,564. SIGNALING, INDICATING, STOPPING, AND STARTING DEVICE. SEVERIN HALVORSEN, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash., a Corporation of Washington. Original application filed May 20, 1922, Serial No. 562,462. Divided and this application filed Sept. 10, 1923. Serial No. 661,816. 7 Claims. (Cl. 192-126.)



1. The combination with a stack for cover sections, of means for feeding sections one by one from said stack and means for automatically stopping the machine when said feeding mechanism feeds more than one cover section, said means comprising an adjustable roller adapted to be actuated by more than one paper section, means for closing an electrical circuit when said roller is actuated comprising an adjustable screw, an insulating support carrying said screw, a circuit conductor connected with said screw and means for controlling the operation of the machine controlled by the circuit including said screw.

1,741,565. BROODER HEATER. FRANKLIN C. HARE, Rockford, Ill., assignor to George A. Woolsey, Rockford, Ill. Filed Feb. 8, 1924. Serial No. 691,358. 14 Claims. (Cl. 119-32.)

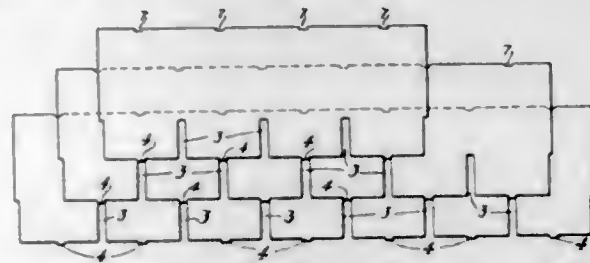


1. A brooder heater comprising, in combination, a liquid fuel supply container, the top of which provides a relatively broad chick-supporting floor, a wick burner on said container, a liquid fuel wick-feed container within the supply container serving to centrally support the chick-supporting floor, and a heat-radiating casing about the burner.

1,741,566. SELF-ALIGNING STRIP SHINGLE. WILLIAM A. HARRIS, Brighton, Mass., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 22, 1925. Serial No. 51,755. 3 Claims. (Cl. 108-7.)

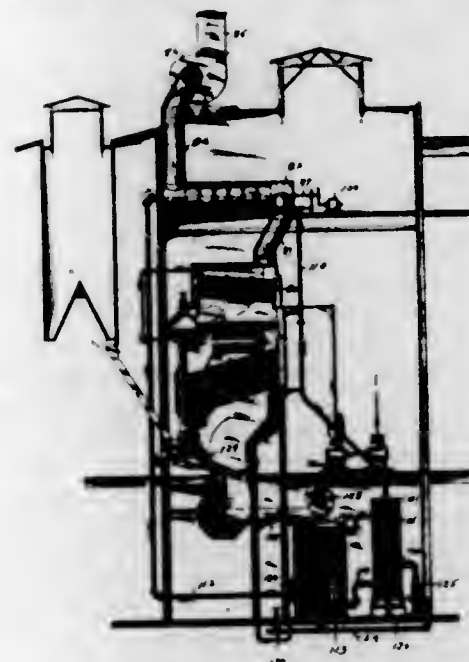
3. A flat strip shingle cut in a single piece from a sheet of semi-flexible roofing material, said strip shingle

having a substantially rectangular upper portion and a plurality of shingle-simulating tabs spaced by rectangular



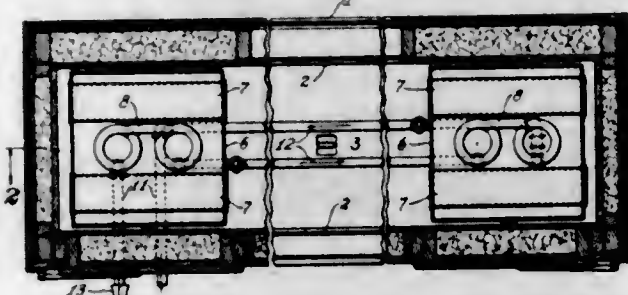
cut-outs, the lower edge of each tab having at its center a projection integral therewith and equal in width to that of a spacing cut-out.

1,741,567. METHOD AND APPARATUS FOR HEAT RECOVERY. HERMAN C. HEATON, Chicago, Ill. Filed Sept. 6, 1923. Serial No. 661,162. 11 Claims. (Cl. 110-56.)



6. In a steam boiler plant, a chamber to which the waste flue gases are delivered, means for spraying a first liquid into said chamber, means for passing the heated first liquid into heat-exchange relationship with a second liquid, means for utilizing said second liquid to heat the combustion air, and means for delivering the air thus heated to the boiler furnace.

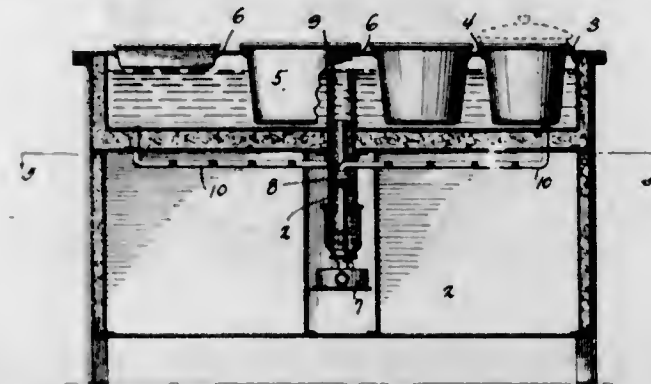
1,741,568. COUNTER REFRIGERATOR. ALFRED J. MEYER, St. Louis, Mo., assignor, by mesne assignments, to Hussmann-Ligonier Company, St. Louis, Mo., a Corporation of Delaware. Filed Aug. 26, 1922. Serial No. 584,425. 5 Claims. (Cl. 62-37.)



1. A counter refrigerator comprising, an elongated show case provided with transparent panels, a brine-receiving unit having an expansion coil and mounted at one end of the show case, an auxiliary refrigerating element extending along the bottom of the show case, and refrigerating medium connections to said coil, said unit being constructed and arranged to promote circulation of air therethrough and along the back thereof, and said unit facing the

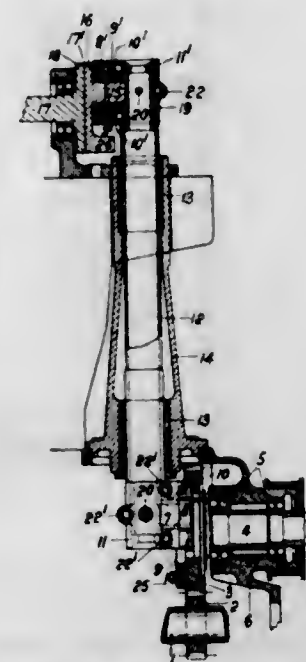
show case and being in aerial communication with the show case compartment, whereby a current of air is caused to circulate in a path from the bottom of said unit along the bottom of the show case and in a return path along the top of the show case to the top of said unit.

1,741,569. ELECTRICALLY HEATED INSULATED STEAM TABLE. HOWARD A. HINDMAN, Seattle, Wash. Filed June 18, 1928. Serial No. 286,428. 2 Claims. (Cl. 126-33.)



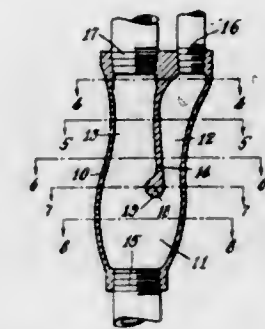
1. A combination steam table comprising a water tank, warming compartments arranged below the tank, a receiver arranged between the compartments and communicating with the tank, a heater associated with the receiver, and a coil arranged within each compartment and communicating with the tank and heater.

1,741,570. TRANSMISSION GEAR FOR OVERHEAD ENGINE CAM SHAFTS. GEORGE RICHARD INSHAW, Glasgow, Scotland. Filed Jan. 6, 1928. Serial No. 244,814, and in Great Britain Mar. 16, 1927. 6 Claims. (Cl. 74-14.)



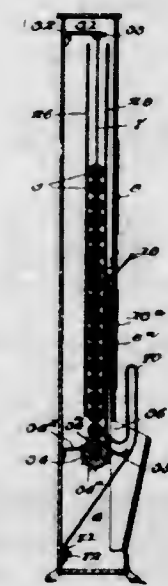
1. Transmission gear for the overhead cam shaft of an internal combustion engine comprising parallel rotary driving and driven shafts, an intermediate shaft confined to axial reciprocating movement and oscillating movement about its axis perpendicular to said rotary shafts, a set of eccentric elements rotating with said rotary shafts, and a set of eccentric-engaging elements at spaced points of said intermediate shaft, said eccentric-engaging elements having pivotal centres spaced radially from the axis of said intermediate shaft, the elements of one set having freedom for movement in the direction towards and away from the intermediate shaft, at least one of said elements having freedom for self-adjustment in a direction radial to one of said rotary shafts to accommodate automatically variations in the spacing of said rotary shafts.

1,741,571. APPARATUS FOR RAISING LIQUIDS. CHARLES Q. IVES, Stratford, Conn., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Oct. 18, 1926. Serial No. 142,172. 4 Claims. (Cl. 103-232.)



1. A device of the class described, comprising a hollow, normally upright shell enclosing a chamber, and a transverse dam within the shell extending downwardly from the top thereof, said dam comprising a comparatively thin wall terminating at its lower end in a horizontally disposed enlarged head portion extending from one side of said chamber to the other, said dam also dividing the upper portion of said chamber into two separate branches, said shell having ports therethrough opening from the bottom of said chamber and from the top of the two branches thereof.

1,741,572. SANITARY TOWEL-SERVICE VENDING MACHINE. TIMMIE J. JONES, Moorhead, Miss. Filed June 1, 1926, Serial No. 112,955. Renewed July 6, 1929. 9 Claims. (Cl. 312-37.)

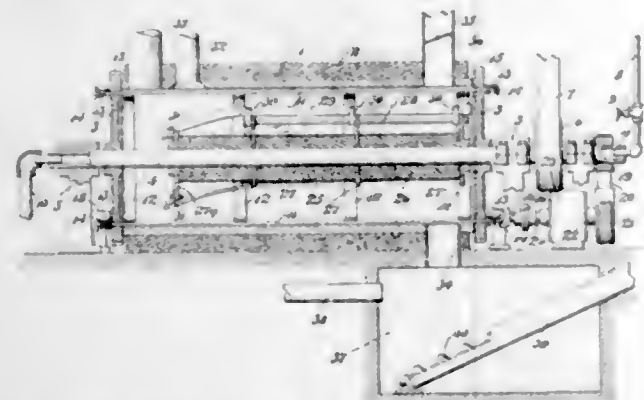


1. A towel service vending machine comprising a cabinet, containing a vertical magazine for towel units, said units being rolled and stacked in a vertical column each being provided with a laterally projecting perforated guide tag, a guide wire extending from top to bottom and exposed at the front of the machine and passing through the tags of all the towels so that they may travel thereon, a receptacle for the towels when used, and a feed mechanism between the magazine and said receptacle normally maintaining the column of towels intact but adapted when operated to feed one bottom towel unit at a time into position at the front of the stack for use and subsequent dropping along said guide wire.

1,741,573. HEATING AND AGITATING APPARATUS. HERMAN B. KIPPER, Muskegon, Mich. Filed Mar. 3, 1924. Serial No. 696,485. 13 Claims. (Cl. 202-117.)

1. An apparatus of the class described, comprising a cylindrical drum open at both ends adapted to receive ma-

terial to be treated, a head plate at each end of the drum for closing the same, bars disposed between the said plates and connected with the same to turn therewith, said bars lying in close adjacency to the inner walls of the drum, means for rotating the said plates at compara-



tively slow speed, a shaft extending lengthwise of the drum and through said plates, means for driving said shaft at comparatively high speed, means for applying heat to material in said drum and bars movably mounted on the shaft for heating and grinding material located within the drum, substantially as described.

1,741,574. HEAT INSULATION. CHARLES E. KRAUS, Brooklyn, N. Y., assignor to Sialco, Incorporated, a Corporation of New York. Filed Dec. 28, 1922, Serial No. 609,537. Renewed Oct. 18, 1926. 14 Claims. (Cl. 106-24.)

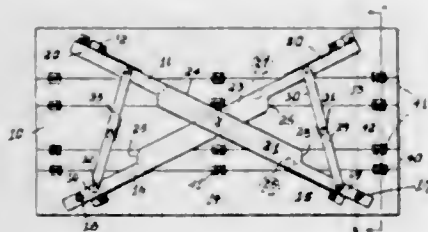
1. The method of forming cellular bodies which consists in heating a mixture of clay, bentonite, carbonaceous material and flux sufficiently to form sealed cells.

1,741,575. ENDOSCOPE. FRIEDRICH FERDINAND LEITER, Vienna, Austria. Filed Apr. 29, 1925, Serial No. 26,646, and in Austria June 12, 1923. 4 Claims. (Cl. 128-7.)



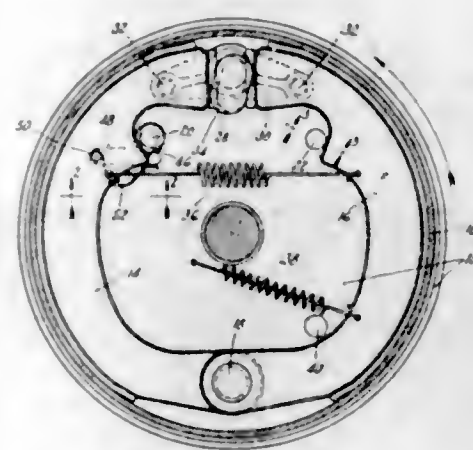
1. In an instrument of the class described, a system of achromatizing lenses for reversing the image comprising a multiplicity of non-cemented lenses of different kinds of glass arranged apart at a distance not greater than the diameter of the lenses.

1,741,576. FOLDABLE TABLE. GEORGE A. LEWIS, Cleveland, Ohio. Filed Feb. 6, 1928. Serial No. 252,208. 5 Claims. (Cl. 45-116.)



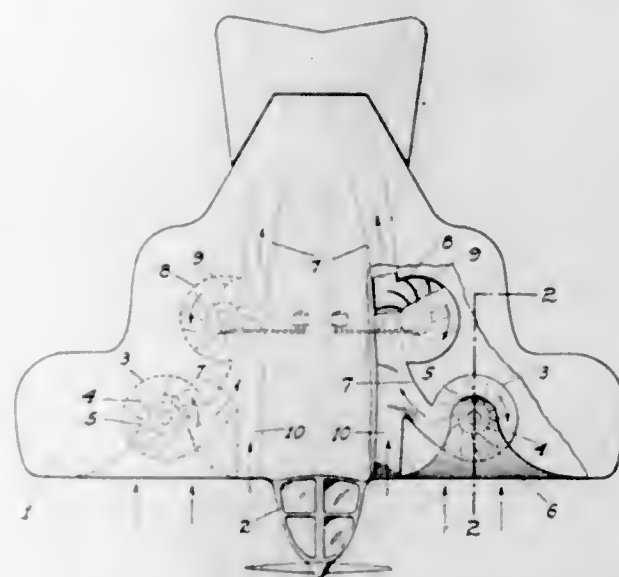
1. A foldable table comprising a top consisting of slats hinged together at their edges on their under surface, a supporting frame secured to said under surface of one of the said slats and comprising, elongated bars each pivoted at one end to said slat for swinging movement thereon in a plane parallel thereto, the said bars being assembled in intersecting relation and relatively movable at their intersection, and having hinged sectional braces opening out to hold the said bars in extended position, and collapsible to hold the bars together in compact relation, and table legs pivotally mounted on the said bars adjacent their ends.

1,741,577. BRAKE. KENNETH E. LYMAN and MONTGOMERY W. MCCONKEY, Chicago, Ill., assignors to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 8, 1927. Serial No. 159,793. 11 Claims. (Cl. 188-79.5.)



1. A brake comprising, in combination, a drum, a friction device engageable with the drum and anchoring at one end when the drum is turning in one direction and at the other end when the drum is turning in the other direction, means for taking the braking torque from said device in either direction of rotation of the drum, and means for automatically adjusting the torque-taking means to compensate for wear of the friction device.

1,741,578. VACUUM WING STABILIZER FOR AEROPLANES. JAMES G. LYONS, Stockton, Calif. Filed Sept. 28, 1928. Serial No. 309,102. 4 Claims. (Cl. 244-18.)

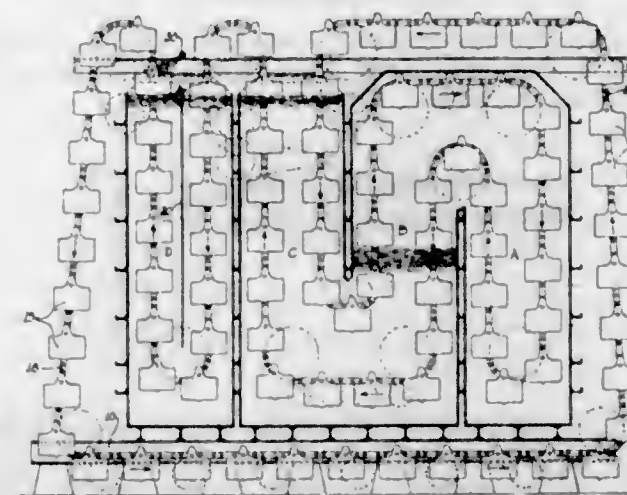


2. In an aeroplane having a body and a hollow wing, driven suction fans mounted in the wings intermediate their ends on both sides of the body and set on vertical axes, casings surrounding the fans, intake passages in the wing leading from under the front edge of the wing to top of the fan casings, and discharge passages in the wing leading rearwardly from the sides of the casing to the atmosphere.

1,741,579. AUTOMATIC PRESSURE COOKER. GEORGE J. MEYER, Milwaukee, Wis., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 30, 1928. Serial No. 266,038. 5 Claims. (Cl. 126-272.)

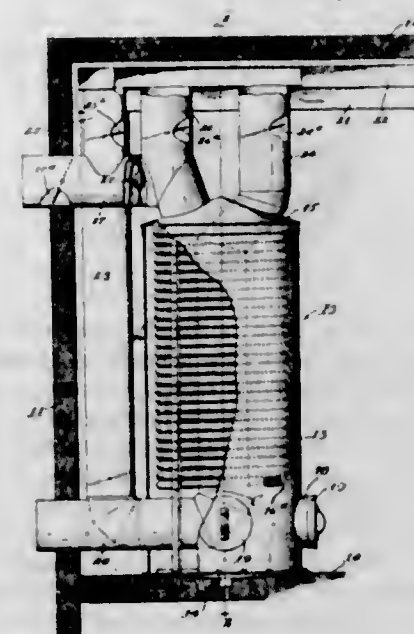
1. An automatic pressure cooker comprising a cooking chamber containing steam under pressure, a single leg containing water and forming a water seal valve therefor,

and a conveyer for the goods to be cooked entering and leaving the steam pressure cooking chamber through said leg, the incoming goods and the outgoing goods traveling in close relation to each other without intervening ob-



struction for direct heat transference from one to the other through the water whereby the outgoing goods are cooled and serve to directly heat the incoming goods without water circulation.

1,741,580. VENTILATING AND REFRIGERATING APPARATUS. CHARLES A. MOORE, Edina, Minn. Filed Aug. 15, 1924, Serial No. 732,345. Renewed Sept. 28, 1925. 7 Claims. (Cl. 257-18.)

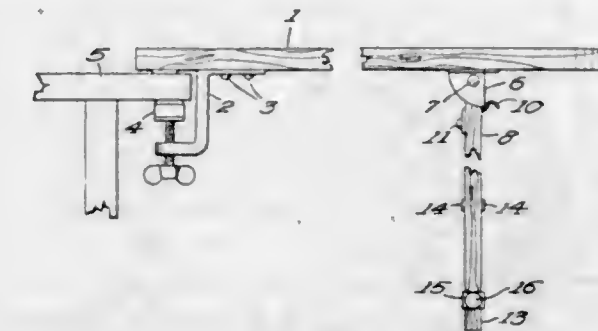


6. The combination with a structure forming a lading chamber, of an elevated supply duct opening into the chamber, an elevated return duct communicating with the interior of the chamber near the ceiling, an upright air conditioning conduit, air refrigerating means associated therewith, said conduit communicating at its upper end with the outer air and at its lower end with said supply duct, an upright exhaust conduit communicating at its upper end with said return duct and at its lower end with the outer air, and a fan associated with said conditioning conduit for impelling air therethrough and building up an internal pressure within the room for stimulating the flow of air through the exhaust conduit.

1,741,581. IRONING BOARD. ERICK ADOLPH NORDIN, Chicago, Ill. Filed Apr. 26, 1928. Serial No. 272,986. 1 Claim. (Cl. 68-10.)

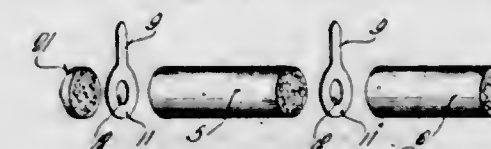
In an ironing table, a board, a three-sided bracket secured to the under side thereof, a pin connecting two

of the said bracket sides, a standard support for said board received between the pin-connected sides of said bracket and pivotally engaged by said pin, said standard in



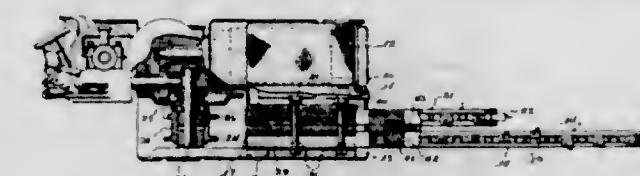
its pivotal movement riding into and out of engagement with the third side of said bracket, and a spring latch carried by said standard for releasable engagement with the last named side of said bracket.

1,741,582. RESISTOR UNIT AND METHOD OF FORMING THE SAME. LAURENCE E. POWER, Milwaukee, Wis., assignor to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 28, 1927. Serial No. 229,409. 6 Claims. (Cl. 201-75.)



1. A resistor unit consisting of end to end arranged sections molded from a common composition of materials and of varied lengths to provide a difference in resistance values, terminal tap offs disposed between the sections, and means cementing the sections to opposite sides of the terminal tap offs and to each other through apertures in the terminal tap offs.

1,741,583. MINING MACHINE. THOMAS E. PRAY, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 6, 1926. Serial No. 120,617. 2 Claims. (Cl. 262-30.)

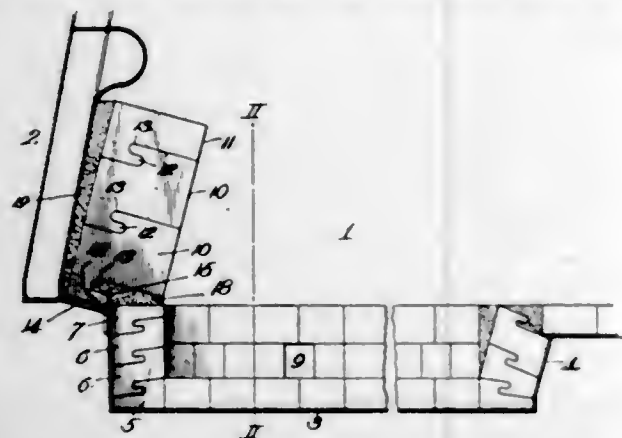


1. In a mining machine adapted to cut a horizontal kerf in a mine wall wider at the outermost extremities than at the innermost extremities, a motor, feed gearing and controlling mechanism rearward of said motor, a main forwardly extending cutter chain carrying kerf cutting element beneath said motor, an auxiliary cutter chain carrying kerf cutting element above said first named cutting element but beneath said motor and extending forwardly for a portion of the length of the first mentioned main cutting element, a plurality of chain driving sprockets extending beneath said motor and mounted on a common drive shaft rearward of said motor to simultaneously drive both of said cutter chains, and means for simultaneously adjusting the tension of said cutter chains.

1,741,584. LOCOMOTIVE-FIRE-BOX LINING. GEORGE P. REINTJES, Kansas City, Mo. Filed July 25, 1927. Serial No. 208,251. 4 Claims. (Cl. 110-80.)

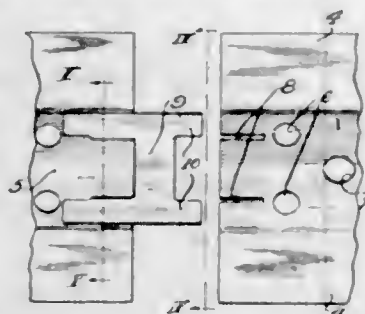
1. The combination with the wall of a combustion chamber, of a lining therefor, comprising a plurality of courses of tiles, the tiles of each course being interlocked

together at their meeting faces in a step-joint relation against upward movement from or inward sliding movement upon the underlying tiles, said step-joint relation



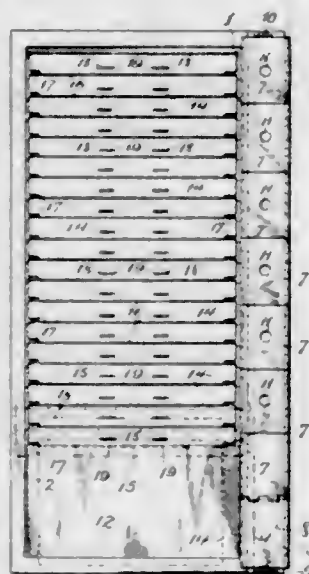
being produced by complementary lugs and grooves on adjacent tile, and securing members fastened to the combustion chamber and engaging the lugs of predetermined tile to prevent endwise shifting thereof in one direction.

1,741,585. CONTRACTION ROAD STRIP. ROBERT R. ROBERTSON, Chicago, Ill., assignor to Highway Steel Products Co., a Corporation of Illinois. Filed Dec. 10, 1927. Serial No. 239,045. 8 Claims. (Cl. 94—17.)



7. A parting strip connector comprising a trough section and flanges integrally connected to opposite edges thereof by offset strips.

1,741,586. INDEX. ROBERT C. RUSSELL and JOSEPH CLIFFORD RUSSELL, Pittsburgh, Pa. Filed Nov. 3, 1927. Serial No. 239,852. 12 Claims. (Cl. 129—16.)

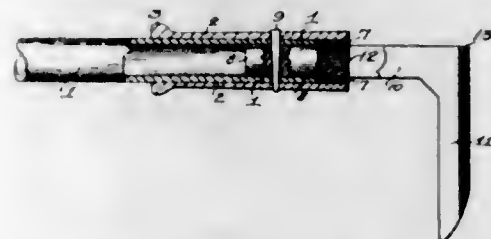


1. In a device of the character described, the combination of a holder, a plurality of card support members movably and removably mounted on said holder, and cards carried by said support members and cooperable with the holder and the support members normally to frictionally hold said support members against removal from the holder.

10. In a device of the character described, the combination of a holder, card supports removably mounted

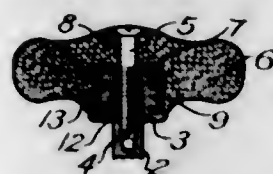
thereon, and locking means for said card supports, said locking means comprising a plurality of slides normally overlying portions of said card supports and movable to release any of said card supports.

1,741,587. REPLACEABLE CLINKER HOOK. ARTHUR SCHAU, Valparaiso, Ind. Filed Oct. 5, 1923. Serial No. 666,869. 2 Claims. (Cl. 306—41.)



1. In attachable and detachable clinker hooks, a hook head, a cylindrical projection from the head of approximately uniform diameter, a cylindrical enlargement formed on the head concentric with the projection, an elongated hollow sleeve or shank having notches at its front end the internal diameter of the shank engaging the cylindrical portion of the head and the notches engaging the flattened portion of the head on both sides of the cylindrical portion, adapted to cooperate with a hollow handle fitting inside of the shank and whose inside diameter engages the cylindrical projection, and means passing through the shank the tubular handle and the cylindrical projection for holding the parts assembled.

1,741,588. HANDLE ATTACHMENT. WILLIAM SCHNEIDER, Erie, Pa., assignor to Hays Manufacturing Co., a Corporation of Pennsylvania. Filed June 17, 1927. Serial No. 199,468. 4 Claims. (Cl. 251—45.)



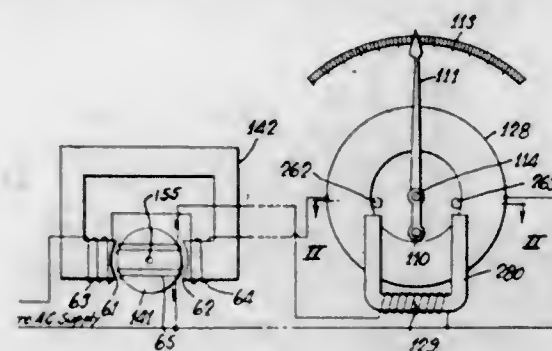
1. The combination with a faucet and the valve stem thereof, said valve stem having a squared tapered tip and an axially positioned threaded recess, of a cross arm handle having a passage and a squared recess provided axially therein, a passaged square spud removably engaged on the tapered tip of said valve stem and projecting into the squared recess of said handle, and an assembly screw projecting through the handle and spud and removably engaged in said valve stem to hold the handle parts removably assembled on said valve stem whereby turning movement of said handle is imparted to said valve stem by the engagement of the squared stud in the squared recess of said handle.

1,741,589. CHARCOAL CHEWING GUM. WALTER A. SCOTT, River Forest, Ill., and KENNETH A. PROUTY, Hermosa Beach, Calif. Filed June 27, 1927. Serial No. 201,807. 3 Claims. (Cl. 167—82.)



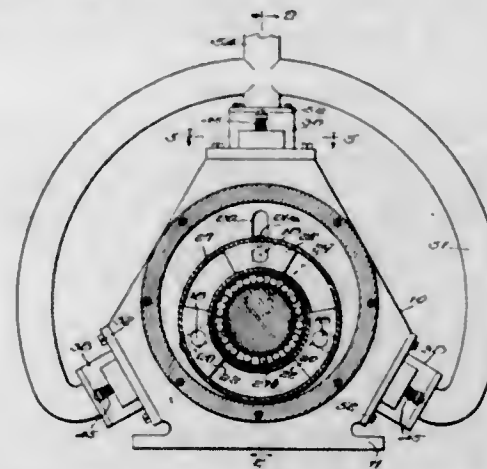
1. An article of manufacture comprising segregated masses of chewing gum and of a mixture of powdered charcoal with a binder, said binder when dry and at ordinary temperatures being relatively rigid but when moist and at mouth temperature being yieldable and non-rigid, whereby when said article is subjected to the mechanical action of the teeth the charcoal and chewing gum form a yieldable mass from which charcoal gradually separates.

1,741,590. ELECTRICAL INDICATING INSTRUMENT. HARRY L. TANNER, Brooklyn, N. Y., assignor to The Tanner Engineering Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Apr. 26, 1926. Serial No. 104,062. 6 Claims. (Cl. 171—95.)



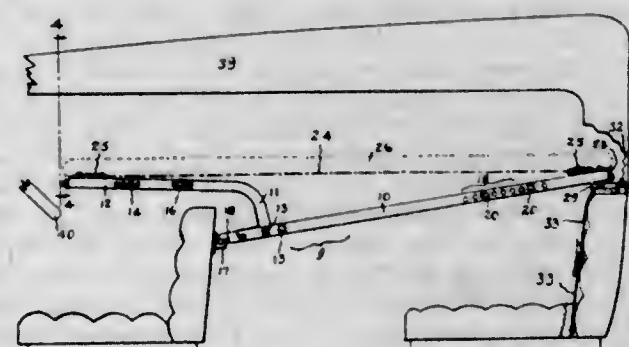
1. An electrical indicating instrument comprising a magnetizable rotatable member, a coil for magnetizing said member, magnetic centralizing means for said member adapted to localize the magnetic flux produced by said coil, and a single winding single coil for reflecting the said member in either direction from its normal position.

1,741,591. PUMP. JOHN W. TATTER, Oak Park, Ill. Filed Nov. 21, 1927. Serial No. 234,743. 7 Claims. (Cl. 230—187.)



1. A device of the kind described comprising in combination a non-rotatable member having a chamber formed therein, a piston disposed in said chamber, intake and exhaust valves for said chamber, a rotatable shaft extending through said member, a pin extending through said piston, a plurality of means secured to said shaft and provided with cam slots operatively engageable with said pin to reciprocate said piston, one of said plurality of means being mounted on one side of said member and another of said plurality of means being mounted on the other side thereof.

1,741,592. AUTOMOBILE BED. MERRITT W. TILNEY, Seattle, Wash. Filed Sept. 30, 1924. Serial No. 740,712. 6 Claims. (Cl. 5—118.)

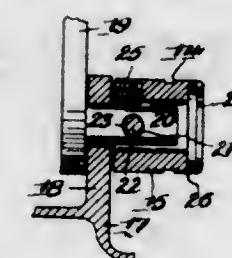


1. In combination with an automobile bed of the class described, the combination of a flexible bed member having

rigid end mounting means which has means to secure the same to the automobile, and a protective board having straps to secure said flexible bed member in rolled-up condition, and also having means to engage said rigid end means, whereby lateral displacement as respects the said rigid end mounting means and said board is prevented.

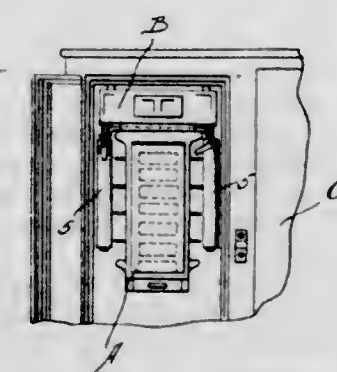
4. In combination with an automobile bed of the class described, a supporting upholstery-protecting board disposed on top of the back of the rear seat, said board having anchoring means whereby the same may be held in fixed position on the top of said back of said rear seat, and means on said board whereby said bed may be engaged and held against lateral movement.

1,741,593. SPARE-TIRE LOCK. NICHOLAS W. TRAUTNER, St. Paul, Minn. Filed June 29, 1927. Serial No. 202,283. 5 Claims. (Cl. 70—122.)



1. In a device of the class described, the combination with a nut to be guarded, of an external shoulder and an annular flange formed on said nut, a lock cap adapted to encase said nut, a fixed, rigid lug projecting from the inner surface of said cap to engage said shoulder, said nut being formed with a groove to permit insertion of said lug into engagement with said shoulder, a movable locking finger arranged on said cap to be extended into engagement with said flange on the nut and means for extending and retracting said locking finger, said lug and shoulder being arranged to protect said finger against breakage when said finger is in engagement with said flange.

1,741,594. WATER-COOLING UNIT FOR ELECTRIC REFRIGERATORS. FRANK ROSWELL VOLLMER, Reading, Pa. Filed June 21, 1927. Serial No. 200,363. 2 Claims. (Cl. 62—141.)

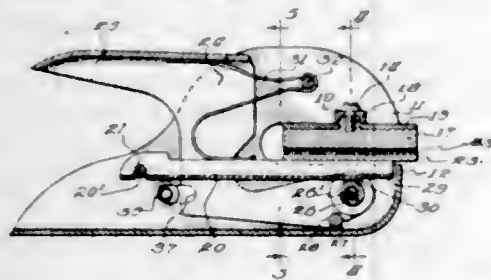


2. In a water cooling attachment for electric refrigerators of the type including an ice making cabinet suspended from a refrigeration unit, a circuitous water conductor having portions, one on each side of the cabinet, means for suspending the water conductor from the refrigeration unit, means for delivering water into one end of the conductor, and means for taking water from the other end thereof.

1,741,595. SEAL PRESS. WILLIAM A. WITT, Lake Bluff, Ill., assignor to Monroe-Witt Manufacturing Company, North Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1928. Serial No. 306,875. 2 Claims. (Cl. 101—3.)

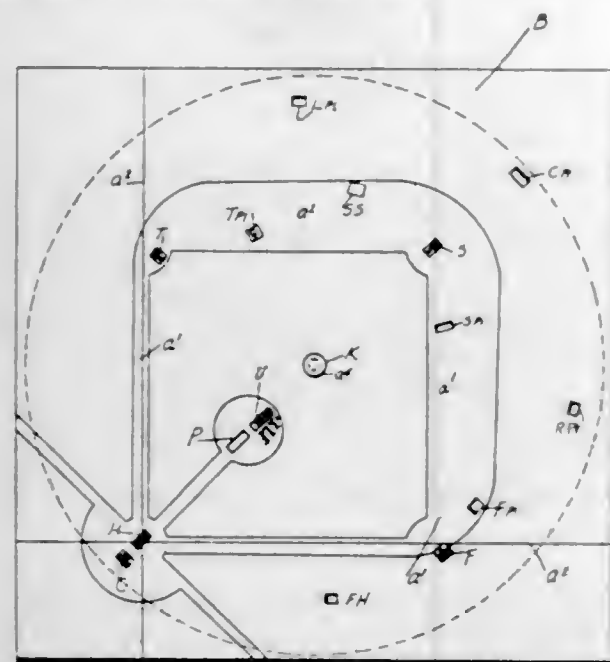
1. A seal stamp of the class described, comprising a frame, a stationary die mounted on said frame, a lever

pivotaly mounted on said frame having an offset bottom surface, a movable die on said lever, and an actuating lever having a roller thereon engaged with the bottom surface of



said first-mentioned lever for camming the movable die upwardly at one rate of speed when the roller passes over the offset surface and at a different rate of speed thereafter.

1,741,596. TOY BASEBALL GAME. CARR W. WRIGHT, Cincinnati, Ohio. Filed Feb. 5, 1927. Serial No. 166,159. 5 Claims. (Cl. 273-93.)



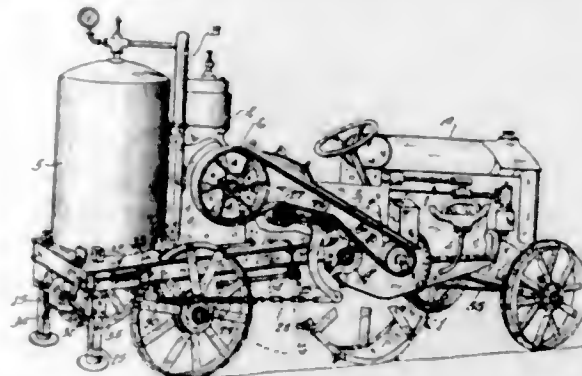
1. A toy baseball game having in combination, a plane upon which is represented a baseball grounds, openings thru said plane each at the outer end of a radius of different length from all the others measured from the central point, said openings collectively representing bases, customary playing positions and umpire's position, a disc parallel with said plane and visible thru said openings, characters indicating events in a baseball game, said characters arranged in annular groups on appropriate radii corresponding to radii of said openings, the central point of the disc and plane radii in registry with each other, means for securing said plane and disc in rotatable relation to each other, and means for covering certain of said openings.

1,741,597. CARD CLOTHING. FRIEDRICH ACHILLES, Aachen, Germany. Filed Mar. 23, 1927, Serial No. 177,690, and in Germany Mar. 27, 1926. 5 Claims. (Cl. 19-114.)



1. Card-clothing for fancy rollers of fiber working machines, comprising a foundation, elongated bundles of teeth, each bundle comprising a plurality of rows of teeth and each bundle being spaced longitudinally and transversely from the adjacent bundles to permit the wires of each bundle to swing independently of the adjacent bundles when in use on the roller, the wires of each bundle being closely arranged whereby they are moved and operate simultaneously.

1,741,598. PORTABLE APPARATUS. FRANK ACKERMAN, St. Louis, Mo., assignor to Curtis Manufacturing Company, Wellston, Md., a Corporation of Missouri. Filed Feb. 18, 1924. Serial No. 693,616. 5 Claims. (Cl. 280-33.4.)



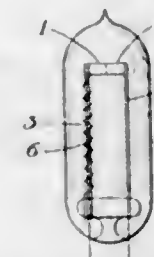
1. A portable apparatus, comprising a tractor, a trailer detachably connected to said tractor, two vertically-disposed racks reciprocatingly mounted in the rear end portion of the trailer frame and each equipped with a ground-engaging member, rotatable pinions that mesh with said racks, and a horizontally-disposed operating shaft provided with a right worm that meshes with one of said pinions and a left worm that meshes with the other pinion, said operating shaft being adapted to be moved endwise so as to cause the worms thereon to function as racks which rotate said pinions in the same direction and thus cause said racks to move oppositely so as to change the elevation of the ground-engaging members connected to same.

1,741,599. THERMOSTATIC CIRCUIT MAKING AND BREAKING DEVICE. ALBERTO ALBERT, Barcelona, Spain. Filed Apr. 30, 1927, Serial No. 188,021, and in Spain May 15, 1926. 3 Claims. (Cl. 200-137.)



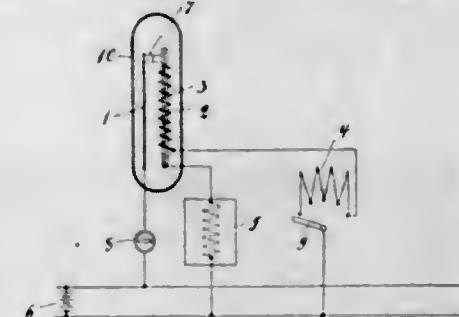
1. A thermostatic circuit making and breaking device comprising a mounting which is a non-conductor of heat and electricity, a central rod on said mounting and two other rods, one on either side of said central rod, of smaller diameter than the central rod, the lower end of each of said rods being secured to the mounting, a support at the upper end of the central rod, a lever pivotally mounted at an intermediate point along its length on said support, the end of one arm of said lever being pivotally connected to the upper or free end of one of the outer rods, a point on the upper or free end of the second outer rod, which is adapted to make electric contact with the free end of the lever to close an electric circuit when a sudden rise in temperature takes place, a second contact connected with the second outer rod and adapted to make electric contact with the lever support to close the electric circuit in the event of a gradual rise to a dangerous temperature.

1,741,600. ELECTRIC SWITCH. AXEL OSVALD APPELBERG, Stockholm, Sweden, assignor to Aktiebolaget Birka Regulator, Stockholm, Sweden, a Joint Stock Company of Sweden. Original application filed Sept. 21, 1921, Serial No. 502,301, and in Sweden Sept. 30, 1920. Divided and this application filed Mar. 21, 1923. Serial No. 626,674. 3 Claims. (Cl. 200-122.)



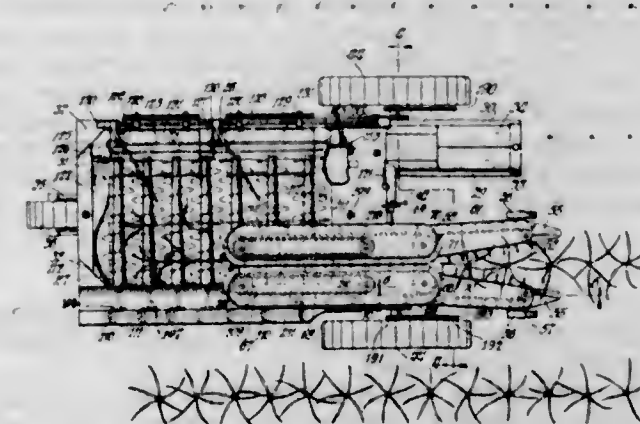
1. A thermostatic switch sealed in an evacuated receptacle and consisting of a bi-metallic stem, a switch member co-operating therewith, a heating winding on said bi-metallic stem, break contacts consisting of refractory metal, and outer terminals connected with said bi-metallic stem and said switch member.

1,741,601. THERMOSTATIC MAKE AND BREAK SWITCH. AXEL OSVALD APPELBERG, Stockholm, Sweden, assignor to Aktiebolaget Birka Regulator, Stockholm, Sweden, a Company of Sweden. Filed July 3, 1924, Serial No. 724,173, and in Germany Sept. 8, 1923. 5 Claims. (Cl. 200-122.)



1. An electrical regulating system comprising a main circuit, a thermostatic make-and-break switch included in said circuit so as to produce an intermittent supply of energy, a heating resistance arranged in thermal relation with the switch and connected in circuit over a make-and-break contact of the switch, said switch and resistance being enclosed in an evacuated receptacle, and a variable regulating resistance adapted for regulating the supply of energy to said heating resistance and included in a circuit branched off from the main circuit.

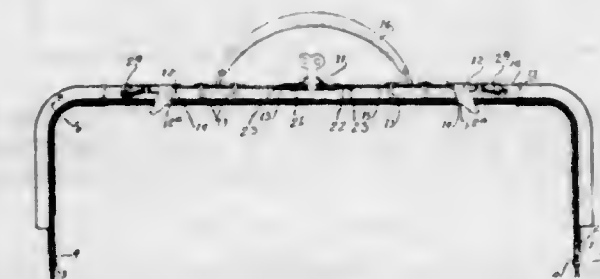
1,741,602. CANE HARVESTER. ISAAC H. ATHEY, Chicago, Ill. Filed Mar. 6, 1924. Serial No. 697,198. 50 Claims. (Cl. 56-17.)



4. A cane harvester comprising a transversely extending transmission housing, a traction element at each end

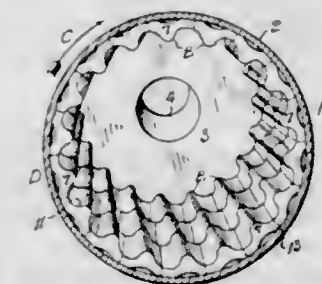
of and supporting said housing, a frame member extending rearwardly from each end of said housing, a plurality of parallel, spiral conveyors disposed in a substantially horizontal plane and rotatably mounted on one of said frame members, said spiral conveyors comprising leaf stripping means, and means carried by said transmission housing for severing cane stalks from the roots thereof and delivering said cane stalks to said spiral conveyors in a direction substantially at right angles to the axis of rotation of said spiral conveyors.

1,741,603. TRAVELING-CASE FRAME. MAYER AXELMAN, Chicago, Ill. Filed Feb. 2, 1925. Serial No. 6,476. 3 Claims. (Cl. 190-49.)



1. In a traveling bag, a mouth frame comprising a pair of substantially flat U-shaped members having their lower ends hinged together, said members being adapted to be folded in superposed relation, a channel section upon the outer member, latches secured to said channel member for locking engagement with registering apertures in said frame members, and means for locking said latches in operative position.

1,741,604. TUBE-MILL SHELL LINER. FREDERICK REEVES BARRATT, Krugersdorp, Transvaal, South Africa. Filed Jan. 5, 1925, Serial No. 686, and in South Africa Mar. 11, 1924. 2 Claims. (Cl. 83-9.)

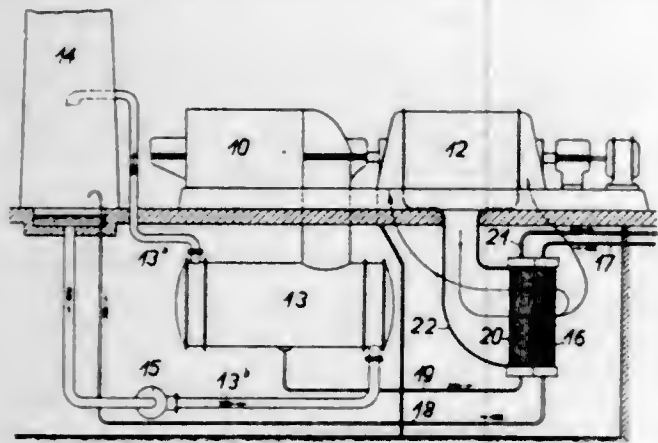


1. The method of grinding ores including a charge composed of large and small bodies of a weight less than the large bodies, agitating the charge to lift the large bodies so that they fall as a cascade on the small bodies, and simultaneously constraining the charge so that the large bodies of the charge are directed in one direction and the small bodies in an opposite direction to consequently maintain an even distribution of the bodies of the charge.

1,741,605. POWER-PLANT INSTALLATION. ADOLF BAUMANN, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed May 3, 1926, Serial No. 106,353, and in Germany May 4, 1925. 6 Claims. (Cl. 290-2.)

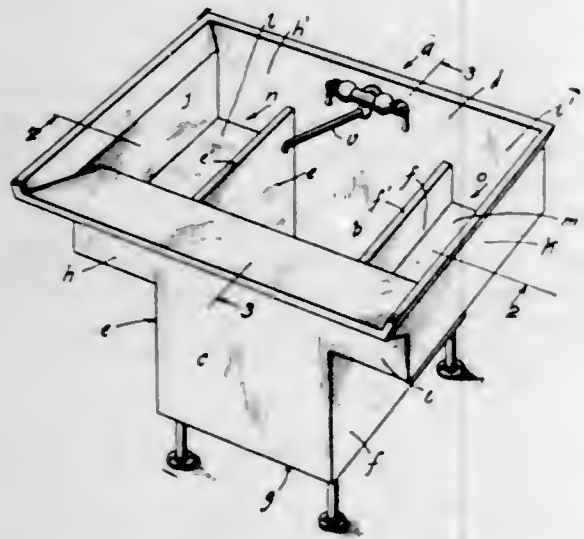
1. The combination with a steam engine having a condenser and cooling tower, of a ventilating generator driven by the engine, and a heat exchange unit arranged to cool the ventilating air from the generator, said heat exchange unit having a part supplied with condensate from

the condenser and a part separate from said first-named part and supplied with the cooling tower make up water, such parts being arranged in such wise that the part



supplied with such condensate performs its cooling operation with respect to such air prior to performance of such operation by the part supplied with such make up water.

1,741,606. UNITARY COMBINED TUB AND SURGICAL BASIN. ORMOND R. BEAN, Portland, Oreg. Filed May 25, 1927. Serial No. 194,098. 1 Claim. (Cl. 4—183.)

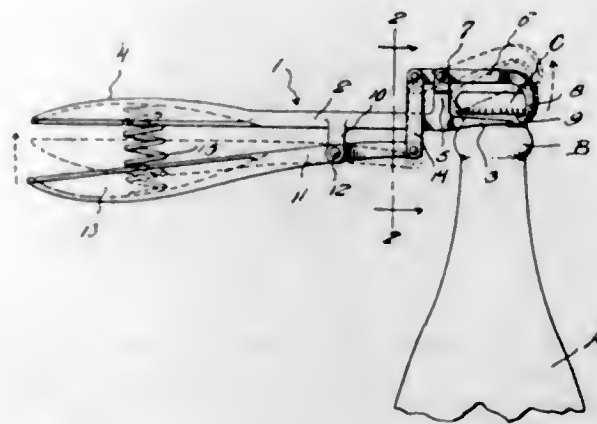


A unitary combined tub and surgical basin, comprising an intermediate main basin section comprising side walls, end walls and a bottom, the side walls being extended in both directions beyond the main basin section with the lower edges of such extensions materially above the bottom of the main basin, end walls and bottom connecting the extended portions of the side walls to form in each direction beyond the main basin supplemental basins of materially less vertical dimension than that of the main basin extending above the bottoms of said supplemental basins but, the end walls of the main basin terminating below the upper edges of the side walls to provide overflow communication between the respective basins, the upper portion of one of the side walls being outwardly and upwardly sloped throughout its full length to provide a seat and downwardly inclined drain common to all basins, and an independent drainage outlet for each basin.

1,741,607. BOTTLE-OPENING DEVICE. THOMAS B. BRADLEY, Du Bois, Pa. Filed Feb. 11, 1929. Serial No. 339,166. 3 Claims. (Cl. 65—46.)

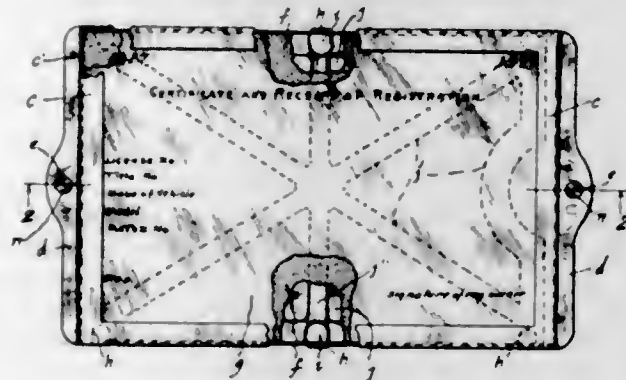
1. In a bottle opening device, a lever, a yoke formed on one end thereof for engagement around the neck of the bottle adjacent its mouth, the other end of the lever providing a handle, an upright formed on the lever adjacent the yoke, a vertically swinging arm mounted on the upright, a hook formed on one end of the arm for en-

gagement under the edge of a bottle cap providing a closure for the mouth of the bottle, an additional lever pivotally suspended from the aforementioned lever, one end thereof providing a handle for cooperation with the aforementioned handle, and means for operatively con-



necting the other end of the pivoted lever with the adjacent end of the pivoted arm for actuating the latter, and an expansible coiled spring interposed between the handle for normally holding the vertically swinging arm in a lowered position.

1,741,608. CERTIFICATE HOLDER. FREDERICK H. BRONNER, Portland, Oreg. Filed May 7, 1928. Serial No. 275,764. 1 Claim. (Cl. 40—10.)

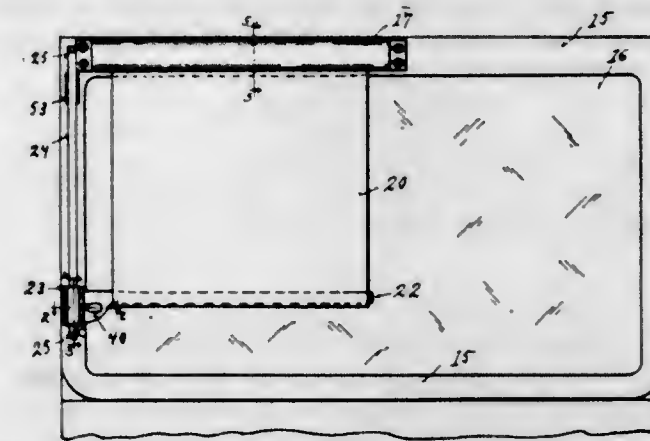


A holder for sheet material, including a base plate having upstanding flanges to define a space within which the sheet material may be placed, a cover plate of skeleton form having right angularly related flanges at its edges to provide a space within which the base plate and sheet material may be received, the flanges at the ends of the cover plate having outwardly projecting right angled ears extending from their free edges to provide means whereby the cover plate may be secured to a fixture, the securing of the cover plate to the fixture serving to prevent displacement of the base plate from the space defined by the flanges of the cover plate, and flexible lugs carried by the flanges of the cover plate to overlie and bear upon the base plate to hold the latter within the space defined by the flanges of the cover plate.

1,741,609. ANTIGLARE APPARATUS. GUS A. BROOKS, Mays Lick, Ky. Filed Dec. 15, 1928. Serial No. 326,323. 2 Claims. (Cl. 296—97.)

1. In combination with a windshield, a light intercepting curtain, a curtain roller rotatably mounted upon said windshield and to which the upper edges of said curtain are attached, a vertical guide attached rigidly to said windshield, a blade attached to the other end of said cur-

tain, a box attached to said blade and adapted to slide in a plurality of directions on said vertical guide, said box consisting of a plurality of stampings, anti-friction mem-



bers and means for fastening said stampings together to clamp said anti-friction members on said vertical guide, and a latch to retain said curtain to a lower position when said curtain has been unwound from said roller.

1,741,610. AUTOMOBILE TAG. GUS A. BROOKS, Mays Lick, Ky. Filed Mar. 5, 1929. Serial No. 344,477. 2 Claims. (Cl. 40—132.)

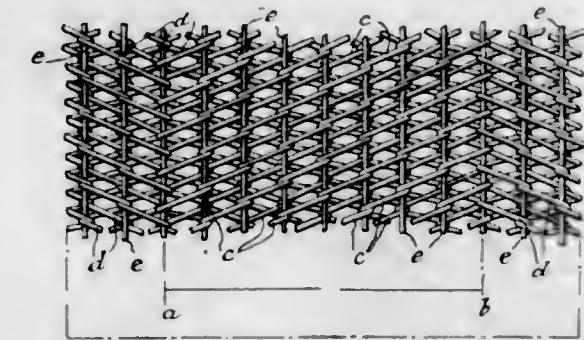


1. A license tag comprising a housing, a central compartment, an upper longitudinal partition extending across said compartment and forming an upper boundary for said central compartment, a lower partition extending longitudinally across said compartment and forming a lower boundary for said central compartment, a window in said central compartment, a license tag mounted in said window and having cut out portions designating a number and name of a state, a source of illumination located behind said license plates, said lower partition having a cut out portion substantially in the center thereof, a lower compartment containing a window, a mirror mounted in said lower compartment and adapted to reflect rays of light coming through said cut out portion from said central compartment through the lower compartment window, a colored translucent material covering the window last mentioned and constituting a tail light, transverse partitions located on either side of said central compartments and forming side boundaries therefor and forming side compartments on either side thereof, signal means located in said compartments adapted to indicate intention to turn right or left, an upper compartment located above said central compartment, stop signal means located in said upper compartment and sources of illumination in said upper and side compartments.

1,741,611. REINFORCEMENT FOR STRONG ROOMS, SAFES, AND THE LIKE. HERBERT STANLEY BRUCKSHAW, Bolton, England. Filed June 1, 1927. Serial No. 195,832, and in Great Britain June 11, 1926. 1 Claim. (Cl. 72—109.)

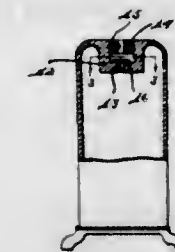
A reinforcement for concrete and the like comprising a plurality of interwoven rows of interwoven coils having

spaces parallel with the axes of the coils between the positions where the coils in one row interweave with those



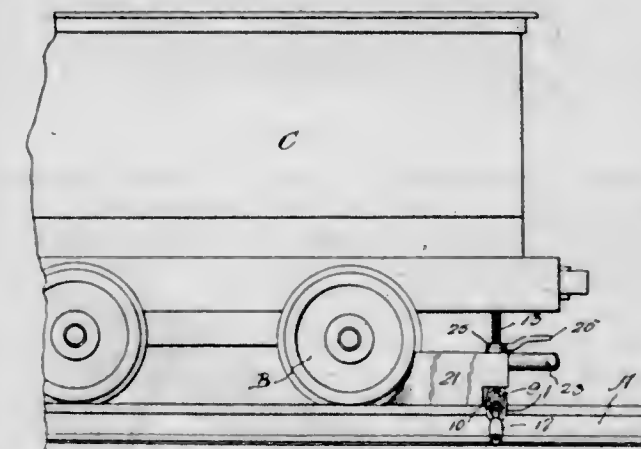
In another row, each of the said spaces occurring between the peripheries of four coils, and rods extending through said spaces to make the reinforcement in a rigid frame.

1,741,612. RADIATOR RELIEF VALVE. AUGUST BUSS, Detroit, Mich. Filed Aug. 11, 1927. Serial No. 212,159. 3 Claims. (Cl. 137—122.)



2. In combination with a radiator, a container formed on and extending downwardly from the upper side of said radiator and having an opening formed in its base in communication with said radiator; a plug mounted in said container having a central opening formed therein; and a disc movably positioned in said container adapted for opening and closing communication between said passage in said plug and the interior of said radiator.

1,741,613. CHOCK FOR RAILWAY CARS. FRANCESCO CATIGNANI, Indianola, Pa. Filed Feb. 28, 1929. Serial No. 343,390. 7 Claims. (Cl. 104—258.)

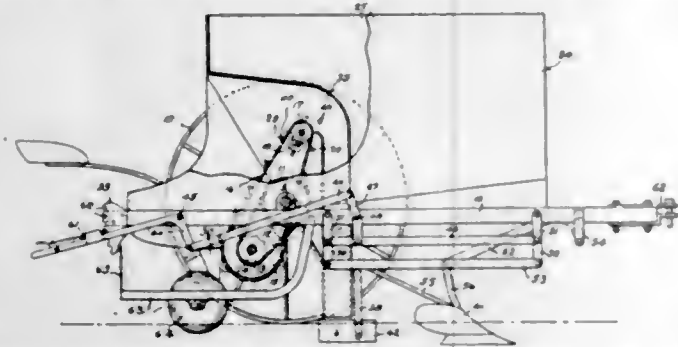


1. In a device of the class described, a vertically disposed stem, means for securing the same on the head of a rail, a chock mounted on the stem for swinging movement in a horizontal plane, said chock being formed with a wheel engaging face at one end, and means for clamping the chock in a predetermined adjusted position.

1,741,614. BULB-PLANTING DEVICE. JOHN COLYN, Chelms, Wash. Filed Apr. 21, 1927. Serial No. 185,596. 3 Claims. (Cl. 221—128.)

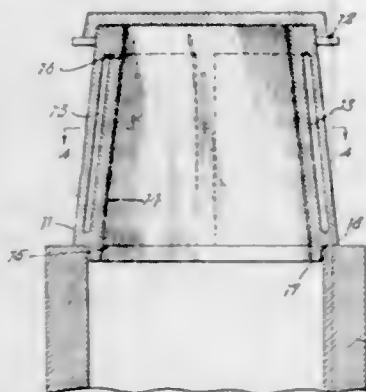
1. In a device of the class described, a bulb hopper having a discharge port therein; a shutter yieldingly held

beneath said port and forming the hopper floor so far as said port is concerned, said shutter being normally in closed position; a bulb feed chain having bulb buckets secured thereon at spaced intervals, said buckets being operatively disposed with respect to said shutter, pressing back said shutter to permit said buckets to pass through



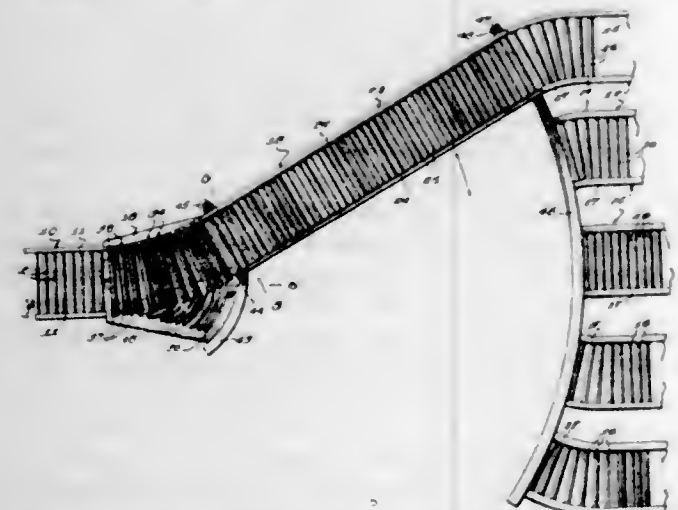
said port and receive a bulb; and a bulb spout vertically mounted and operatively disposed with respect to the upper end of said feed chain whereby said chain may cast the bulbs periodically into the upper end of said spout without the chain itself passing through said spout, said spout being smooth and free of projections whereby the bulb is unobstructed during its descent therein.

1,741,615. HOT TOP FOR INGOT MOLDS. HORACE L. CONEY, Massillon, Ohio. Filed June 25, 1927. Serial No. 201,362. 1 Claim. (Cl. 22-147.)



A hot top for ingot molds having a wall composed of insulating material having pores therein communicating with the outer surface of the hot top and relatively large air spaces formed within said wall communicating with the outer atmosphere through said pores and sealed from the interior of the hot top by means of smooth non-porous refractory material.

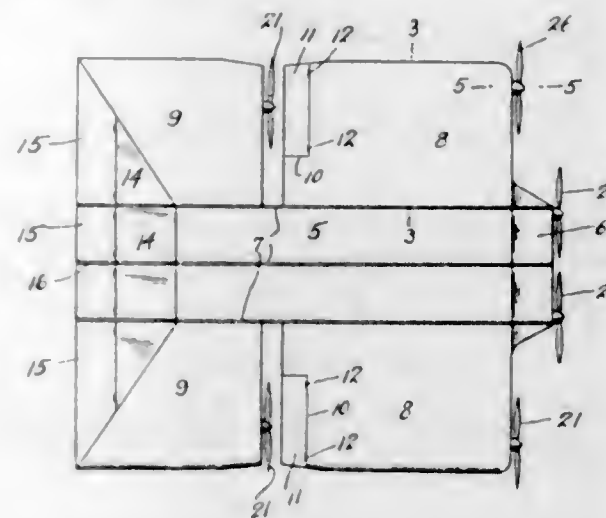
1,741,616. CONVEYER. ALLEN E. CRADY, Louisville, Ky., assignor to Logan Co., Inc., Louisville, Ky., a Corporation. Filed May 4, 1927. Serial No. 188,781. 12 Claims. (Cl. 193-36.)



1. A conveyer comprising a main section, a straight movable section, a connecting conveyor section between

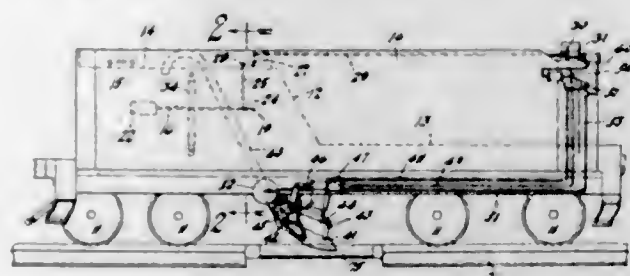
said main and movable sections and including a plurality of independently movable equidistantly spaced parts, and an actuating plate controlled by movement of said movable section to alter the positions of the parts of said connecting section whereby the latter is adapted to assume a curved shape forming a continuation of the adjacent portions of said movable and main sections.

1,741,617. AEROPLANE. SALVATORE DOLCIMASCOLO, Brooklyn, N. Y. Filed Aug. 24, 1928. Serial No. 301,002. 1 Claim. (Cl. 244-14.)



In an aeroplane of the monoplane type including an elongated fuselage, a plurality of upstanding spaced parallel fins coextensive with the length of the fuselage and secured thereto, a plurality of wings projecting laterally from each side of the fuselage with one wing behind the other and all wings in the same plane, said wings being of hollow metal construction and divided into longitudinal compartments, said hollow wings communicating with the interior of the fuselage, a prime mover for each wing, frames disposed in the forward compartment for supporting the motors on the leading edge of the wings, and a pair of prime movers in the forward end of the fuselage.

1,741,618. WATER-LEVEL INDICATOR AND AUTOMATIC SCOOP CONTROL FOR LOCOMOTIVE TENDERS. JESSE C. DUDLEY, Wilkesburg, Pa. Filed Aug. 25, 1928. Serial No. 302,134. 10 Claims. (Cl. 103-82.)

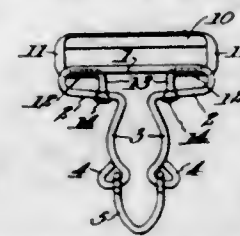


1. In a locomotive tender, in combination with the scoop control valve thereof, a cylinder provided with a piston operatively connected to said valve, and means governed by the level of the water in the water tank of said tender for controlling the application of pressure to said cylinder in order to actuate said valve.

1,741,619. SELF-LOCKING SLIDE LOOP. PAUL E. FENTON, Thomaston, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 11, 1927. Serial No. 198,264. 3 Claims. (Cl. 24-73.)

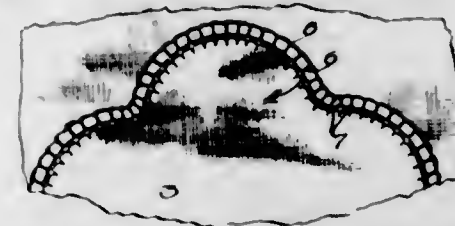
1. A self-locking slide loop, comprising a loop having a cross bar at the top and substantially parallel adjacent

bars, and a swinging member pivoted to said adjacent bars and extending outside of and parallel with the cross bar and having an upper bar parallel with the cross bar of the loop and cooperating with the cross bar to clamp, grip or pinch a suspender or strap between them when the end of the suspender or strap has been looped about



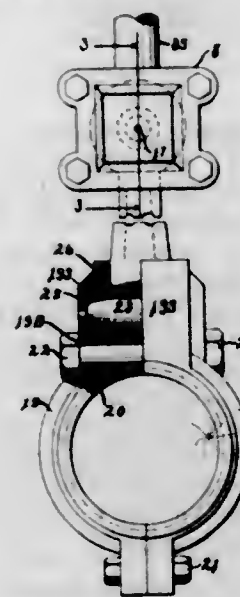
the cross bar and the looped end passed under the upper bar of the swinging member to thereby draw the swinging member into such clamping, gripping or pinching relation as force is applied in use and permit the easy adjustment of the device on the strap by releasing the hold of the swinging member.

1,741,620. HEMSTITCHED APPLIQUE WORK AND PROCESS OF MAKING THE SAME. MAURICE FIXLER, Chicago, Ill. Filed Jan. 26, 1927. Serial No. 163,673. 2 Claims. (Cl. 2-278.)



1. As a new article of manufacture, applique work, comprising a fabric having a cut-away portion, a patch of contrastingly colored cloth covering said cut-away portion, hemstitching joining said patch to said fabric and forming a border of predetermined design for said patch, and overcasting stitches along the edge of said fabric and through the hemstitches around said cut-away portion.

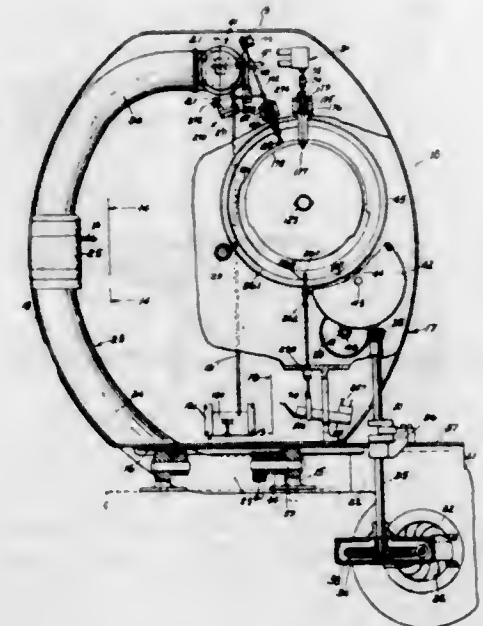
1,741,621. CONNECTING ROD. FRANK H. GODFREY, St. Paul, Minn. Filed Oct. 8, 1927. Serial No. 225,004. 2 Claims. (Cl. 74-17.)



1. In a connecting rod having suitable wrist pin connection at one end; crank shaft bearing means adjacent the other end comprising two counterpart bearing blocks with a pocket adapted to receive and retain the said latter end of the connecting rod, a rocking pin removably mounted in said bearing blocks and pivotally engaging the said end of the connecting rod, the longitudinal center line of said pin in a common plane with the oscillating plane of the crank-shaft bearing.

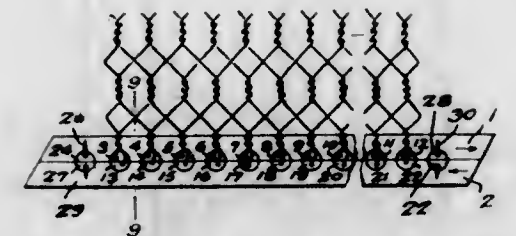
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1,741,622. STERILIZER FOR TOILET SEATS AND THE LIKE. LEON B. GRAFANI and ROBERT E. PETERSON, Los Angeles, Calif., assignors, by mesne assignments, to American Automatic Sanitation Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 23, 1928. Serial No. 248,724. 32 Claims. (Cl. 4-233.)



1. A sterilizer comprising in combination a toilet bowl, a seat therefor, a structure having a chamber to house said seat, and means to inject a sterilizing fluid into said chamber means to retain the fluid in the chamber a predetermined period, and means to withdraw said fluid from the chamber.

1,741,623. WIRE-BAG-MAKING MACHINE. YVES GUYON and RENÉ HENRI CHARLES MARTY, Paris, France. Filed Aug. 31, 1927. Serial No. 216,724, and in France Sept. 2, 1926. 1 Claim. (Cl. 140-6.)

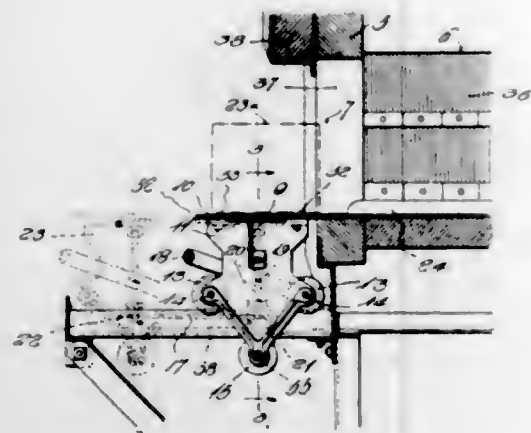


In a machine for making wire netting bags in a closed circuit, relatively movable slides, a plurality of groups of pairs of half pinions mounted in said slides, the half pinions of one group being interspaced with relation to the half pinions of the other group, and the half pinions of the respective groups operating to form two distinct wire fabric sheets, the slides being moved to cause the twists to occur only between two half pinions of the same group, and means for causing rotation of the half pinions at the moment between twists when two half pinions of different groups are located one opposite the other whereby the two sheets remain superposed one over the other preventing tangling of the wires.

1,741,624. CONVEYER. FRED A. HANSEN, Milwaukee, Wis., assignor to Hevi Duty Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 21, 1928. Serial No. 263,499. 3 Claims. (Cl. 214-26.)

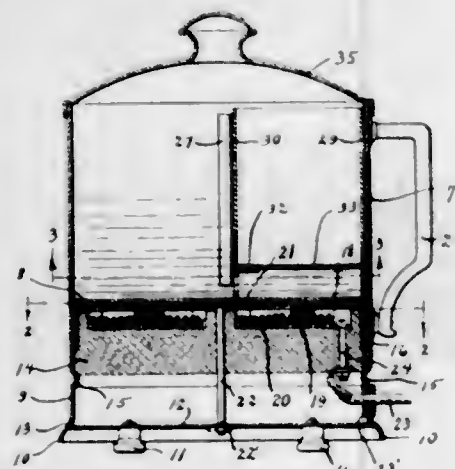
2. In a conveyer system a heat treatment apparatus, rails extending longitudinally from said heat treatment apparatus, laterally extending brackets carried by said

rails, a car structure including a frame having a plurality of rollers journaled thereon and engaging said rails, lateral projections on each side of said frame extending over said brackets, vertically movable rod members carried by the sides of said frame and passing through the laterally extending brackets thereof, and each normally



engageable in interlocked positions with respect to said brackets, and means journaled on said frame for shifting said rod members out of engagement with said brackets for effecting the movement of said car structure from a position adjacent said heat treatment apparatus to a position remote therefrom.

1,741,625. ELECTRIC HEATING DEVICE. GEORGE HARVIS, Detroit, Mich. Filed May 25, 1928. Serial No. 280,533. 1 Claim. (Cl. 219-43.)

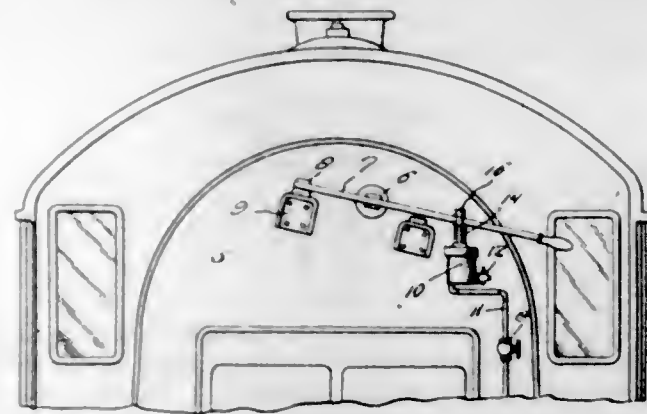


A device of the class described, comprising: a cylindrical member having a head pressed inwardly intermediate its ends and thence outwardly adjacent one end to provide a shoulder on its inner side; a ring mounted within said member; an electric heating plate engageable by said ring and engaging at its undersurface the upper side of said head; a closure plate positioned within the end limits of said member and engaging said shoulder; and a bolt projected through said heating plate and said closure plate for clamping said heating plate against said head and said closure plate against said shoulder.

1,741,626. SAFETY DEVICE. RABBITT S. HONE and RICHARD M. LAUGHINGHOUSE, Jacksonville, Fla. Filed Mar. 13, 1928. Serial No. 261,240. 5 Claims. (Cl. 246-169.)

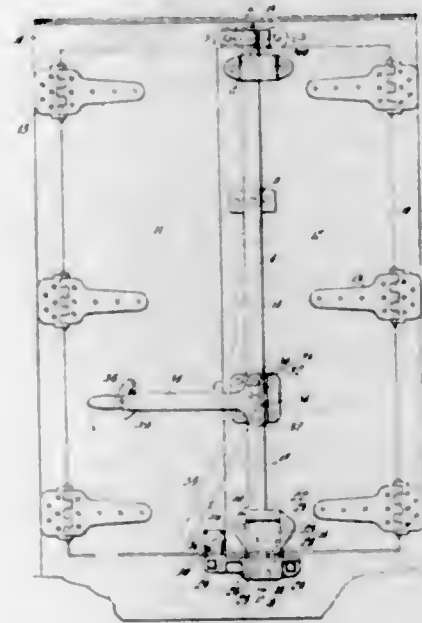
1. The combination with the throttle valve of a steam propelled locomotive and its lever, of a spring-projected

pressure-released device for locking said lever in throttle valve closing position, said locking device embodying a



pressure cylinder having a piston therein and a locking arm pivoted to the pressure cylinder and operatively connected to the piston.

1,741,627. DOOR-OPERATING MECHANISM. STACY B. HASSETTINE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 10, 1926. Serial No. 115,058. 3 Claims. (Cl. 268-72.)

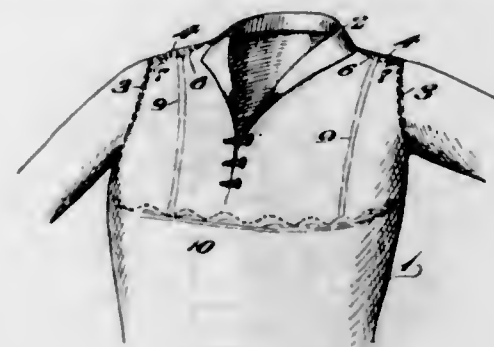


1. In a door operating mechanism, the combination with a door frame and a pivoted door; of operating means including a member pivotally mounted on said door, and a second member reciprocally mounted on said door, each of said bars having an actuating portion rigid therewith; lever means for simultaneously imparting swinging movement to said first bar and reciprocal movement to said second bar to lift the same above the lower edge of the door when the lever means is operated to open the door and project the same beyond the lower edge of the door when the lever means is operated to close the door; and keeper means mounted on the door frame and adapted to be engaged by the opposite actuating portions of the first and second named bars to effect movement of said door in opening and closing directions.

1,741,628. SHOULDER STRAP FOR LINGERIE. JAMES M. HEAKE, Camden, N. J., assignor to Heake & Son, a Copartnership composed of James M. Heake and John H. Heake, Camden, N. J. Filed Oct. 1, 1926. Serial No. 138,875. 1 Claim. (Cl. 2-107.)

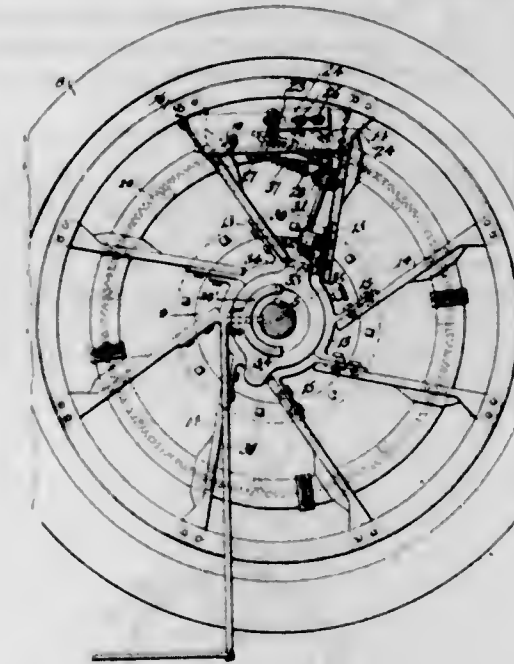
A lady's garment having a collar and sleeves stitched thereto, said garment also having shoulder portions extending from the collar to the sleeves, a piece of tape forming a reinforcing strip stitched to the underside of each shoulder

der portion to form a piped seam, each seam extending from said collar along a shoulder portion to the stitching securing a sleeve to the garment, tabs, each having one end thereof only stitched to the underside of a reinforcing strip and arranged nearer to the garment neck portion



than to the garment arm hole, the free end of each tab being provided with a snap fastener part, and a companion snap fastener part secured to each of said reinforcing strips, each tab in interlocked position paralleling a reinforcing strip.

1,741,629. TUG-WHEEL CLUTCH. EVERETT RAYMOND HORNBECK and HENRY KENNETH HOLT, Cisco, Tex. Filed Dec. 26, 1928. Serial No. 328,547. 2 Claims. (Cl. 192-80.)

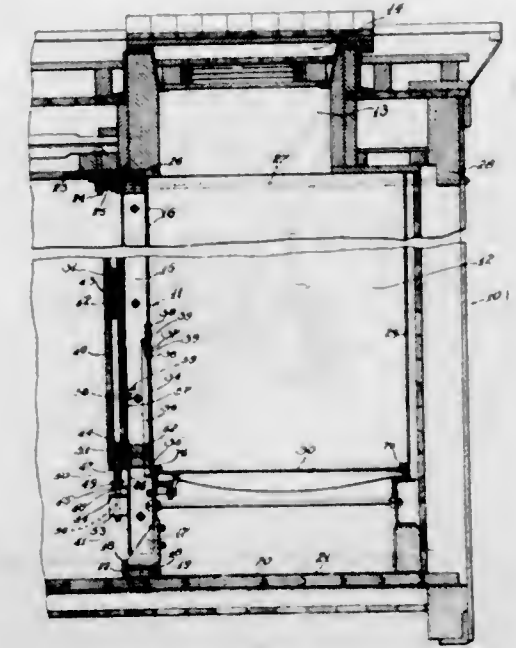


1. In a device of the character described, a power wheel, a clutch drum secured to the power wheel, said power wheel having a hub, said hub having a groove, a tug wheel including a hub fitted on the hub of the power wheel, the last mentioned hub having an enlargement operating in the groove, an operating ring slidably mounted on the hub of the tug wheel, a clutch band carried by the tug wheel, said clutch band surrounding the clutch drum, an operating rod for operating the clutch band to cause it to grip the clutch drum, a rod having one end connected with the operating ring, means for transmitting movement of the rod to the operating rod when the ring is moved over the hub of the tug wheel, and means for operating the ring.

1,741,630. REFRIGERATOR CAR. GEORGE A. HULL, Chicago, Ill., assignor to Equipment Specialties Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 19, 1927. Serial No. 162,001. 15 Claims. (Cl. 62-19.)

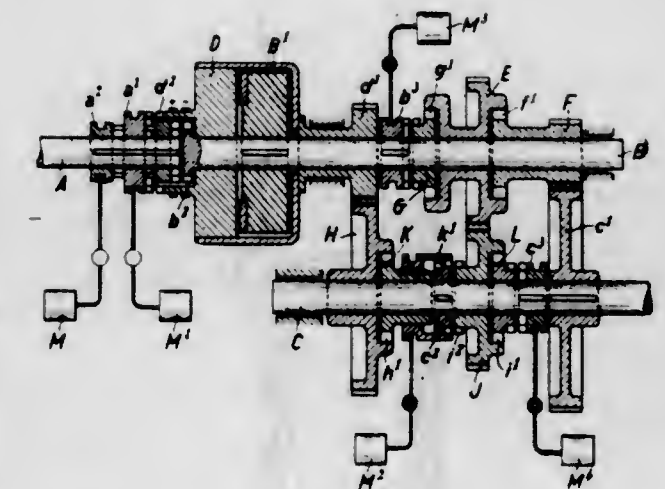
1. In a refrigerator car, a bulkhead forming an ice compartment therein and having an opening in said bulkhead,

a metal closure for said opening, an interlocking wooden closure for said opening, means on said wooden closure



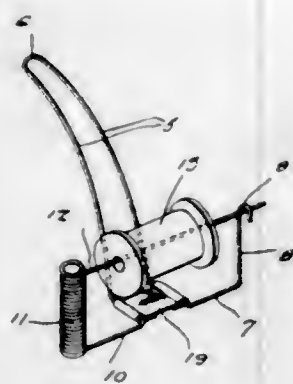
to hold both said closures in open position, and means on said wooden closure to lock both said closures in closed position.

1,741,631. VARIABLE-SPEED GEAR. WERNER JACOBS, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed June 6, 1928. Serial No. 283,367, and in Germany Sept. 28, 1927. 4 Claims. (Cl. 74-59.)



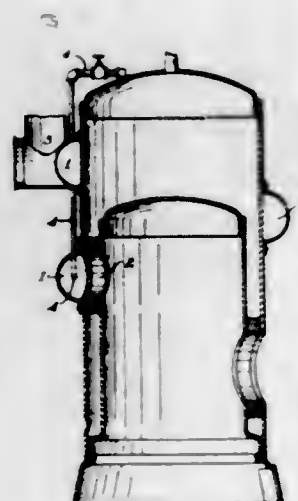
1. A variable speed gear comprising driving and driven members, two alternative gear-wheel trains of different ratios of transmission having gear wheels arranged coaxially with said driving member, a free wheel coupling for said gear-wheel train, a slip clutch common to said gear-wheel trains and arranged coaxially with said driving member, coupling means adapted to be operated at will for alternatively connecting said gear-wheel trains to said driving and driven members in cooperation with said slip clutch, and additional clutches adapted to be operated at will for coupling each of said gear-wheels to said driving member independently of the action of said slip clutch.

1,741,632. AUXILIARY SPOOL HOLDER FOR SEWING MACHINES. DAISY B. JOSE, Leedey, Okla. Filed Dec. 21, 1927. Serial No. 241,676. 1 Claim. (Cl. 242—134.)



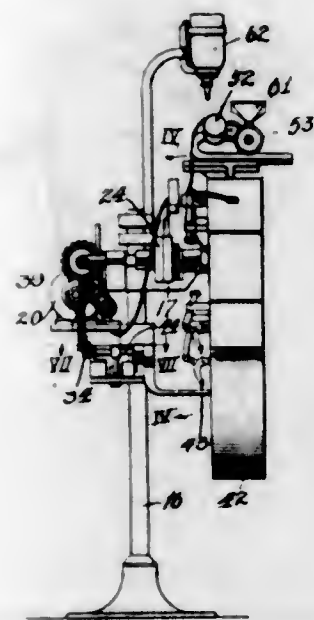
In an auxiliary spool holder for sewing machines formed of a single strand of wire comprising a pair of supporting arms arranged in spaced substantially parallel relation and formed by providing a return bend intermediate the ends of the wire, the ends of said arm opposite from said bend being formed into a pair of outwardly extending sections, one of said sections terminating in a vertically disposed section having a downwardly opening hook, said other outwardly extending section having a vertically disposed coil spring formed at its outer end with the upper end of said spring terminating in a horizontally disposed arm providing a spool mounting and with its free end releasably engaged by said hook and a rigid connector disposed between the lower ends of the supporting arms preventing relative movement therebetween.

1,741,633. STEAM BOILER. ALBERT H. KEMPER and WILLIAM H. DURKIN, Dayton, Ohio. Filed Apr. 22, 1927. Serial No. 185,819. 1 Claim. (Cl. 122—155.)



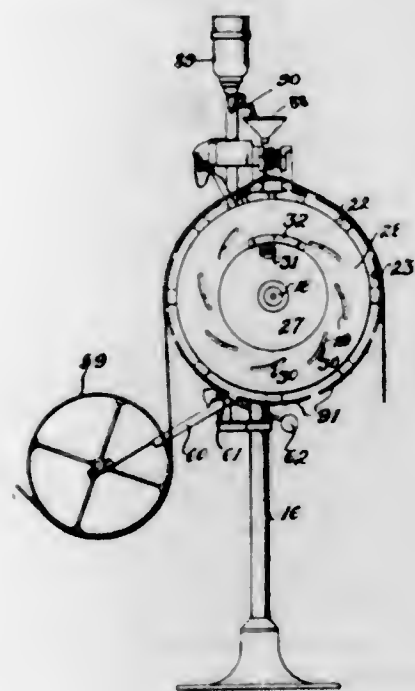
A fuelless boiler including a vertically extended water and steam chamber, a vertically extended heating chamber within the water and steam chamber effecting an annular, relatively shallow space in cross section, for water, around the heating chamber, a smoke outlet for the heating chamber extended through said space, and a smoke conduit including a portion open on its inner side to the water and steam chamber casing and extended upward spirally thereover from said outlet.

1,741,634. TREAD MEASURING AND CUTTING MACHINE. ARNOLD R. KRAUSE, Eau Claire, Wis., assignor to Gillette Rubber Company, a Corporation of Wisconsin. Filed May 3, 1926. Serial No. 106,358. 19 Claims. (Cl. 164—73.)



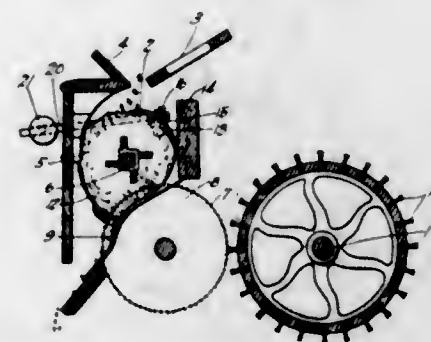
1. A stock measuring and cutting mechanism comprising a rotating drum, a traversing cutter mechanism mounted to rotate with the drum and to move across the outer periphery of the drum, and means for actuating the cutter mechanism at predetermined points in the revolution of the drum.

1,741,635. TREAD MEASURING AND CUTTING DEVICE. ARNOLD R. KRAUSE and ALFRED C. HIRSCH, Eau Claire, Wis., assignors to Gillette Rubber Co., Eau Claire, Wis., a Corporation of Wisconsin. Filed June 22, 1927. Serial No. 200,562. 17 Claims. (Cl. 164—60.)



1. A stock measuring and cutting mechanism comprising a rotating drum, a cutter mechanism rotating therewith, and means adapted to traverse the cutter mechanism transversely across the outer surface of the drum at a predetermined point in the revolution of the drum, said means comprising intermittently and successively engaging racks and pinions for traversing said cutter mechanism.

1,741,636. DENSITY REGULATOR FOR SEED ROLLS ON LINTERS. CHARLES P. LAMONS, Chickasha, Okla. Filed May 20, 1929. Serial No. 364,605. 6 Claims. (Cl. 19—55.)

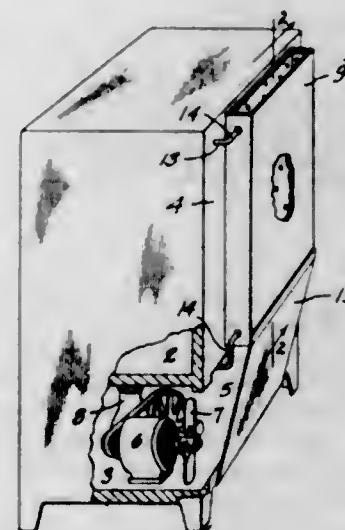


1. A device, as described, embodying, a gratefull curve adapted to be operatively positioned within a delinting machine, a plurality of upstanding ribs spacedly disposed laterally upon the concavely curved face of said gratefull curve, a gratefull extension curve hingedly positioned upon the upper edge portion of said gratefull curve, a plurality of teeth formed upon the upper free edge portion of said extension curve, all as and for the purposes specified.

1,741,637. VEGETABLE TEXTILE MATERIAL AND PROCESS FOR PRODUCING SAME. LEON LILIENTHAL, Vienna, Austria. Filed July 23, 1924. Serial No. 727,809, and in Austria Apr. 4, 1924. 40 Claims. (Cl. 8—20.)

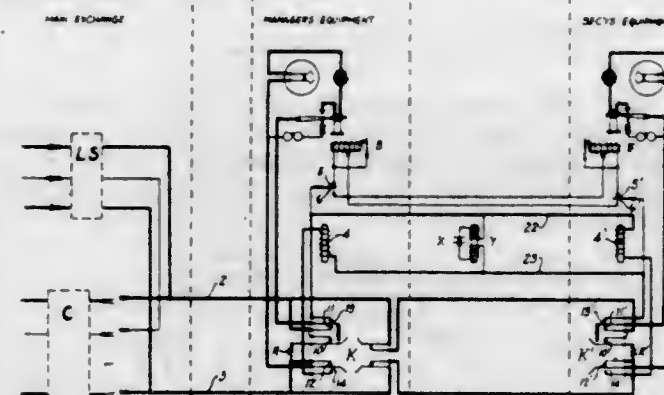
1. A process for improving vegetable textile material which comprises acting upon it with a halo-hydrin of a poly-alcohol in the presence of alkali metal hydroxide.

1,741,638. REFRIGERATOR. THOMAS J. LITTLE, JR., Detroit, Mich., assignor to Copeland Products, Inc., Detroit, Mich., a Corporation of Michigan. Filed Aug. 12, 1926. Serial No. 128,724. 7 Claims. (Cl. 62—116.)



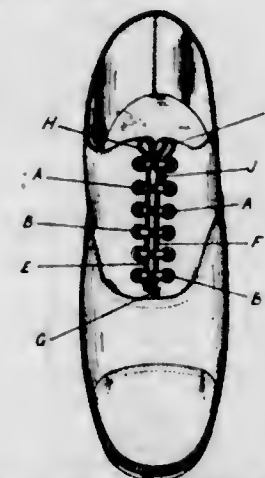
1. In a mechanically cooled refrigerator cabinet having an opening in the lower portion of a vertical wall thereof, a condenser forming a flue positioned along the upper portion of said wall, a motor positioned in the lower portion of said refrigerator, having a compressor operatively connected thereto, and having a fan thereon for driving air currents outwardly through said opening in said wall of said refrigerator, and means for guiding said air currents into said flue.

1,741,639. SECRETARY SERVICE FOR TELEPHONES. CLARENCE E. LOMAX, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed July 25, 1927. Serial No. 208,102. 11 Claims. (Cl. 179—27.)



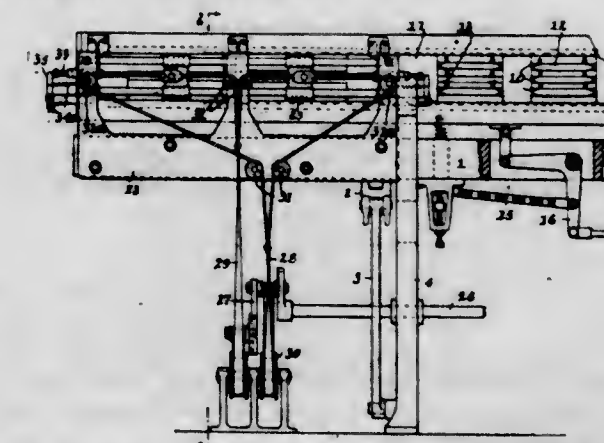
1. In a telephone system, a line, means for extending a connection thereto, two telephones normally connected to said line from either of which a call to said line may be answered, and means for disconnecting said telephones from said line and for establishing a talking connection between said telephones independent of said line.

1,741,640. SHOE FASTENING. ANDREW LOVE, Paddington, New South Wales, Australia. Filed Dec. 1, 1928. Serial No. 322,979, and in Australia Jan. 3, 1928. 6 Claims. (Cl. 24—267.)



1. Shoe fastening means, comprising a pair of metal rods hinged together at one end and equipped with means for mutually and releasably engaging their other ends, and a plurality of elastic members for connecting one of said rods to eyelets in one side of a shoe front, and the other rod to eyelets in the other side of a shoe front.

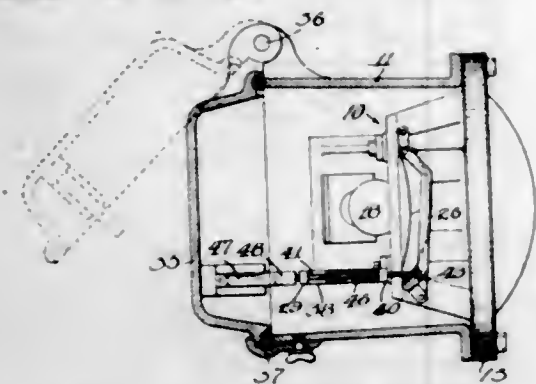
1,741,641. NARROW-WARE LOOM. TRAUGOTT MARTIN, Paterson, N. J. Filed Jan. 15, 1929. Serial No. 332,602. 3 Claims. (Cl. 139—138.)



1. A shuttle motion for looms comprising a shuttle rack, reciprocating picking elements simultaneously shift-

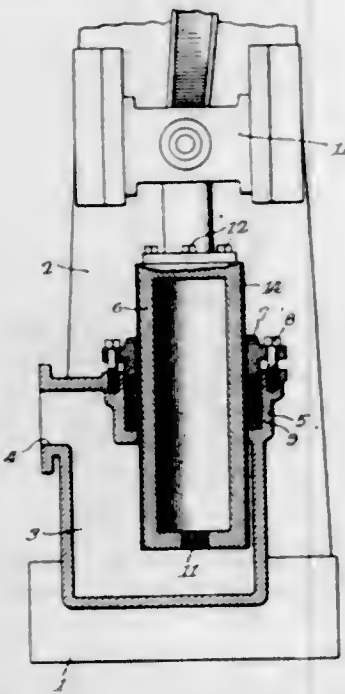
able together and then apart and alternately engageable with and adapted to move the rack first in one and then in the opposite direction, and mechanism to reciprocate said elements comprising separate means for shifting said elements one of which is active to shift them simultaneously together and the other to shift them simultaneously apart.

1,741,642. RAILWAY SIGNAL SYSTEM. DANIEL J. MCCARTHY, Carpentersville, Ill., assignor to Chicago Railway Signal and Supply Company, a Corporation of Illinois. Filed July 10, 1926. Serial No. 121,530. 6 Claims. (Cl. 177-329.)



3. A railway signal unit having a frame for a lens doublet, the said frame including two spaced rings; means to hold the rings in spaced relations; a colored lens in the rear ring; a pair of shutters between the rings to obscure said colored lens when closed and means supported on the unit to close the shutters.

1,741,643. PLUNGER PUMP. ORA D. McCLURE, Ishpeming, Mich. Filed June 30, 1928. Serial No. 289,403. 3 Claims. (Cl. 71-198.)

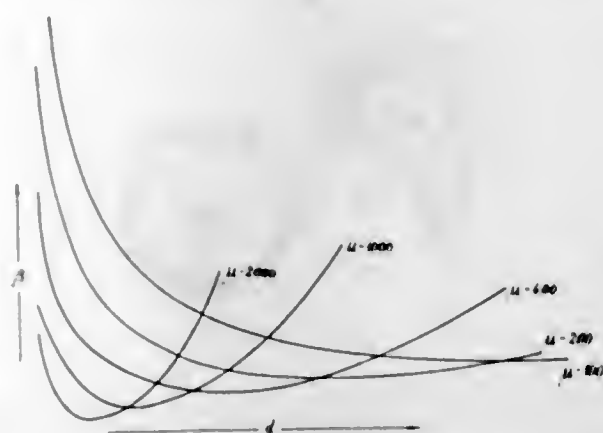


1. A plunger for high pressure displacement pumps having a hollow body of ordinary cast iron adapted to be bolted to the pump cross head and a thin surfacing layer of porcelain fused upon said hollow body, substantially as described.

1,741,644. ELECTRIC CONDUCTOR FOR SIGNALING PURPOSES. ULRICH MEYER, Cologne-Mulheim, Germany, assignor to Felten & Guillaume Carlswerk Actiengesellschaft, Cologne-Mulheim, Germany. Filed June 5, 1926. Serial No. 113,922, and in Germany July 9, 1925. 3 Claims. (Cl. 178-45.)

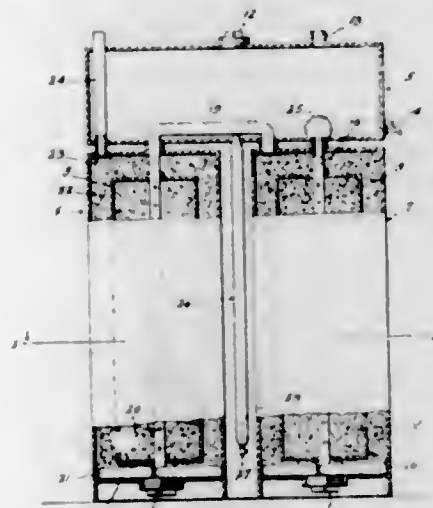
1. A conductor for signaling purposes having layers of ferro-magnetic material wound round it for the purpose

of increasing the self-inductance, the said ferro-magnetic material having an initial permeability greater than 200, the thickness of the said layers being such that with the frequencies and current strengths which are employed for the said signaling purposes, the sum of five times the



eddy current resistance of the said layers plus the hysteresis resistance and plus the product of the angular frequency, the self-inductance and the tangent of the phase angle deviation from 90° in the insulating material is approximately equal to the continuous current resistance of the said conductor.

1,741,645. WATER SOFTENER. GEORGE ALEX MITCH, Coral Gables, Fla., assignor to New-H-Man Corporation, Miami, Fla. Filed May 16, 1929. Serial No. 363,556. 2 Claims. (Cl. 210-24.)

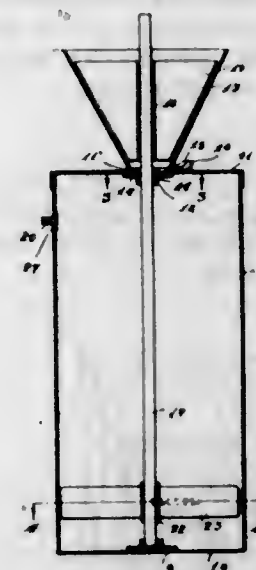


1. A water softener comprising a solution reservoir, a receiving tank, and a perforated pipe leading from the reservoir and having its discharge within the receiving tank, the lower end of said pipe being convoluted and provided with perforations, and a second receiving tank in communication with the first mentioned tank, and a communicating pipe extending from the first mentioned tank to the second mentioned tank, and a gauge tube depending from said connecting pipe and provided with a communicating member therein, the upper end of said tube being constricted to permit a slow seepage of the solution into the gauge tube, so as to raise the indicating member in proportion to the amount of solution passing through the connecting pipe.

1,741,646. MIXING MACHINE. CLAUDE NIELSEN, Detroit, Mich. Filed June 22, 1926. Serial No. 117,678. 4 Claims. (Cl. 259-24.)

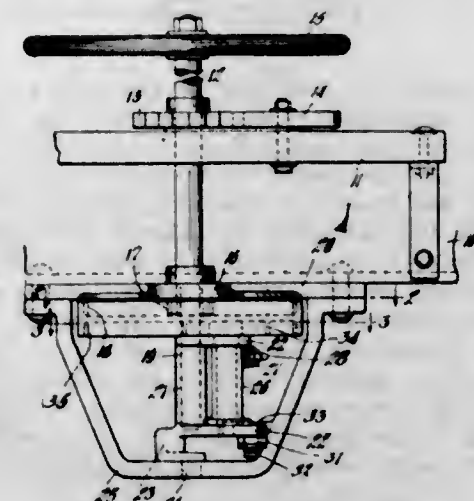
1. A mixer of the class described comprising a container; a hopper exterior of said container and in com-

munication with the interior thereof; agitating means mounted in said hopper; means for delivering a stream of liquid into said container; and means for operating said



agitating means for agitating material placed in said hopper, said material in said hopper upon agitation being adapted for passage into said container.

1,741,647. BRAKE MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 15, 1926. Serial No. 88,193. 3 Claims. (Cl. 254-149.)

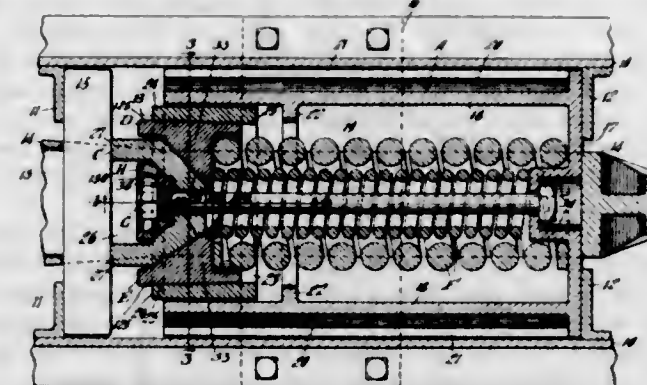


1. In a hand brake, the combination with a driving mast, and brake rod, said mast being provided with a driving pinion thereon; of a ring gear rotatably mounted on an axis offset relative to the axis of said mast, said ring gear having engagement with said driving pinion and adapted to be driven thereby; an element mounted for rotation co-axially with said ring gear and being provided with radial extensions; a second element mounted for rotation on its axis upon said extensions, adjacent the ends thereof, said second element being provided with a pinion meshing with the teeth of said ring gear; a brake chain having an intermediate portion connected to said brake rod, one end of said chain being connected to said radial extensions, and the other end to said second rotatable element; and stop means adapted to limit movement of said extensions toward said brake rod.

1,741,648. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 27, 1927. Serial No. 164,012. 5 Claims. (Cl. 213-24.)

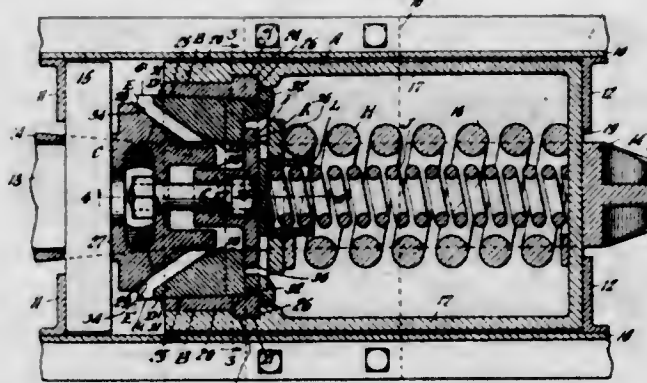
1. In a friction shock absorbing mechanism, the combination with a spring cage; of a friction shell, said shell

and cage being relatively movable to an extent longitudinally of the mechanism less than the full compression stroke; a plurality of shoes having frictional engagement with the shell; spring resistance means opposing movement



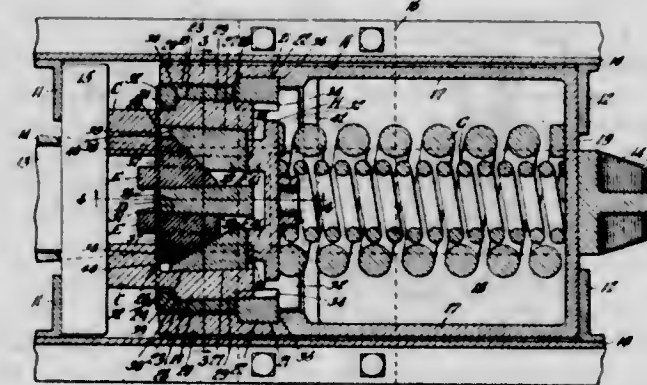
of the shoes; a wedge member co-operating with the shoes; and a retaining means anchored to the cage and engaging with the wedge and shell for limiting outward movement of the wedge and shell.

1,741,649. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed July 18, 1927. Serial No. 206,565. 12 Claims. (Cl. 213-32.)



5. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of friction shoes cooperating with the shell friction surfaces; a wedge member engaging said shoes, said member and shell being relatively movable toward and away from each other; additional friction shoes engaged by said wedge member after a predetermined inward movement of said first named shoes, said additional shoes also having frictional engagement with the shell friction surfaces; and spring resistance means opposing inward movement of all of said shoes.

1,741,650. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed July 23, 1927. Serial No. 207,947. 9 Claims. (Cl. 213-32.)

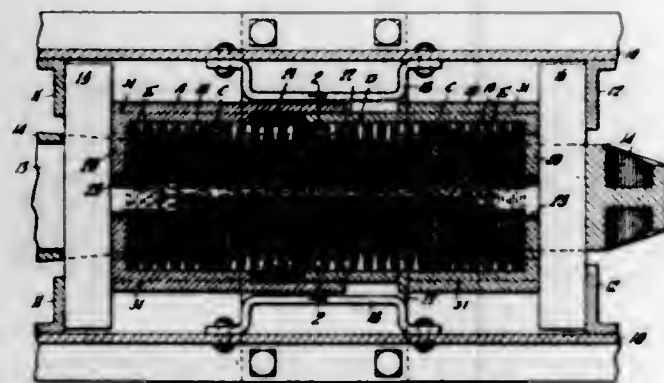


1. In a friction shock absorbing mechanism, the combination with a tapered friction shell; of pressure trans-

mitting friction elements cooperating with the shell; a central friction member; cooperating wedge members interposed between the central friction member and the pressure transmitting friction elements, certain of said wedge members having shouldered engagement with the pressure transmitting friction elements and moved directly by said elements and in unison therewith, and having wedging engagement with the remaining wedge members, all of said wedge members being movable relatively to the central member inwardly of the mechanism; and spring-resistance means opposing inward movement of the wedge members.

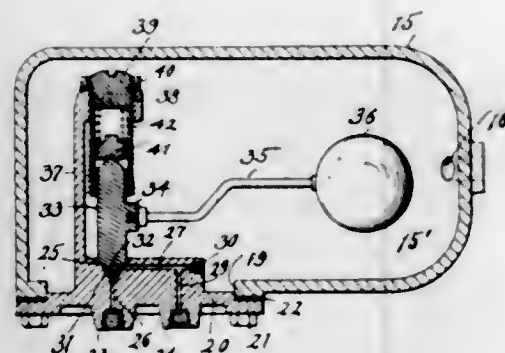
7. In a friction shock absorbing mechanism, the combination with a friction shell; of a friction post within the shell, said post being provided with top and bottom plate-like sections formed integral therewith; wedge means interposed between the post and walls of the shell, said friction wedge means being also interposed between the top and bottom plate-like sections of the post; and spring resistance means within the shell cooperating with said wedge friction system.

1,741,651. SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 6, 1927. Serial No. 217,809. 2 Claims. (Cl. 213-40.)



2. In a shock absorbing mechanism, the combination with front and rear follower casings having central interior abutment posts thereon; of laminated spring ring members within said casings, said ring members surrounding the abutment posts; front and rear spring followers co-operating with said laminated members, said spring followers being normally spaced from the posts and engaged thereby before full compression of the mechanism; and a main spring resistance interposed between said spring followers.

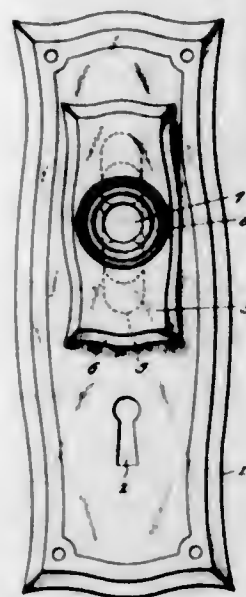
1,741,652. REFRIGERATING APPARATUS. OLAF C. OLSEN, Dayton, Ohio, assignor of two-thirds to The Borden Company, Warren, Ohio, a Corporation of Ohio. Filed Nov. 5, 1927. Serial No. 231,266. 5 Claims. (Cl. 62-8.)



1. Control mechanism for refrigerating systems, comprising a chamber adapted to be connected into the discharge line of the refrigerating unit, said chamber having

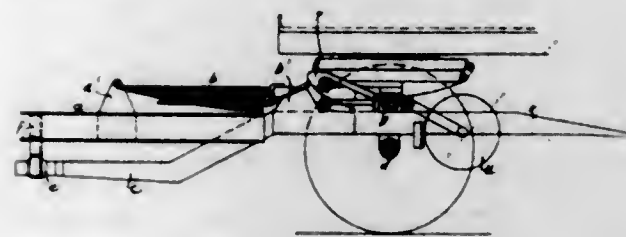
in one wall thereof a valve seat opening into the interior of the chamber, a rotary valve for said seat having a shank projecting into the chamber, said wall having a passage therein intercepting said valve seat and adapted to be connected into the intake line of the refrigerating unit, and means within the chamber for holding the valve to its seat and for operating the valve.

1,741,653. ESCUTCHEON PLATE. HARRY A. PALMER, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed Jan. 5, 1928. Serial No. 244,739. 2 Claims. (Cl. 70-16.)



1. An escutcheon consisting of two plates of different sizes, the larger plate being provided with an opening for the key and an elongated opening for the knob spindle of a lock, and the smaller plate being arranged to form an ornamental cover for the elongated opening in the larger plate and having an opening for the passage of the knob spindle and arranged to cover and conceal the elongated opening, clamping plate located above and below the spindle receiving opening of the smaller plate and extending across the elongated opening to engage the larger plate at opposite sides of the elongated opening, and adjusting means arranged centrally of the clamping plates and connecting the same to the smaller plate, whereby the latter is secured in its adjustment.

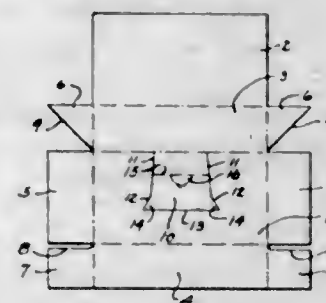
1,741,654. TRAILER COUPLING FOR TRACTOR VEHICLES. GUSTAV POHLMANN, Copitz, near Pirna, Germany, assignor, by mesne assignments, to Thilo Kipping, Dresden, Germany. Filed Apr. 18, 1928. Serial No. 271,007, and in Germany Apr. 25, 1927. 4 Claims. (Cl. 280-33.1.)



1. Means for coupling a trailer vehicle to a tractor vehicle, comprising oblique run-up rails supported upon the rear axle of the tractor, springs interposed between the rear part of the tractor and said run-up rails, rollers mounted on the trailer and adapted to run up and down the rails, said rails being parallel to one another throughout the parts along which said rollers have to run and then converging forwards to meet at a point in the longitudinal central plane of the tractor, a universal joint

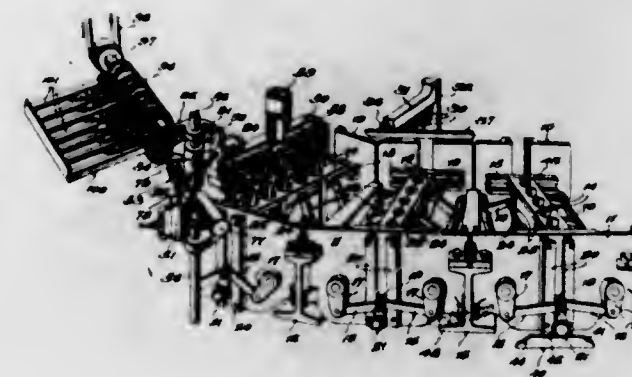
connecting the rails at the said point to the tractor, movable strut levers mounted on the rails and adapted to be interposed between the rails and the rear of the tractor to counteract the resilience of the springs, means for moving said strut levers into and out of their operative position at will from the driver's seat, and locking members mounted on the rails and adapted to take-up a locking position in front of the rollers.

1,741,655. DISPLAY CARTON. FERDINAND REICHEL, New Haven, Conn., assignor to National Folding Box Company, New Haven, Conn., a Corporation of New Jersey. Filed June 4, 1926. Serial No. 113,600. 6 Claims. (Cl. 206-44.)



1. A display container having a single bottom member, and a member having slightly diverging sides formed from said bottom member having portions doubled back to form an easel for supporting the container in display position.

1,741,656. CONE REMOVER AND TRIMMER. EDWIN ROLKEN, Baltimore, Md., assignor to Maryland Baking Company, a Copartnership composed of Isaac Shapiro and Joseph Shapiro, Baltimore, Md. Filed Jan. 16, 1925. Serial No. 2,925. 14 Claims. (Cl. 107-58.)

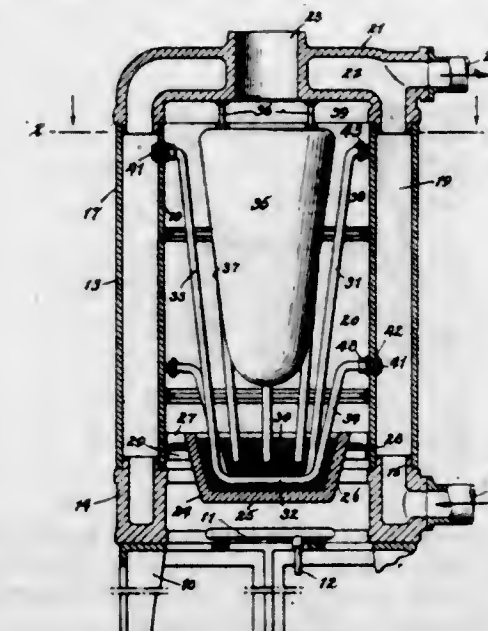


7. In a device of the character described, a plurality of pairs of half mold sections, a transferring device adapted to rest on each pair of sections in turn, means to cause adherence of the baked cones to the bar, means for raising said transferring means together with the adhering cones and to move said cones to one side of the mold, and means for restoring the transferring means to normal position.

1,741,657. STEAM GENERATOR. EUGENE J. ROWAN, Rockville Center, N. Y. Filed Apr. 30, 1927. Serial No. 188,038. 11 Claims. (Cl. 122-33.)

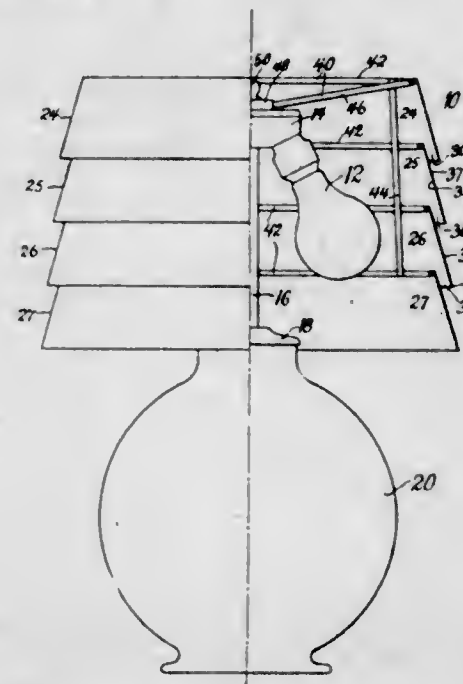
10. A steam generator including a vertically extending shell outlining a combustion chamber, water heating means in said chamber including in superposed order, a burner, a basin containing a mass of lead spaced from the shell to provide an annular gas passageway between the

basin and shell and a U-shaped heating tube having a mid portion embedded in the lead in the basin and extending



upwardly therefrom, and portions of said tube positioned in the path of the burning gases from the burner and secured to and supported by said shell.

1,741,658. LAMP SHADE AND COMBINATION THEREOF WITH LAMPS. GEORGE SAKIER, New York, N. Y. Filed May 11, 1928. Serial No. 276,877. 3 Claims. (Cl. 240-109.)

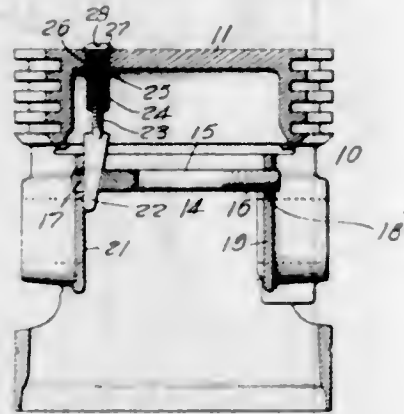


1. An ornamental lamp shade comprising a plurality of spaced encircling opaque strips, overlapped at top and bottom of adjacent strips, said strips being adapted to reflect the major portion of light from a lamp covered by the shade centrally and outwardly generally axially of the shade, said strips being arranged relatively close together whereby to admit of the reflection of a minor part of the light from the lamp covered by said shade through said spaces, and to reflect light of a graduated intensity onto the outside of the adjacent strip, producing gradations of shade thereon.

1,741,659. PISTON. JOHN A. SCARBOROUGH, JOSEPH B. CALDWELL, and FREDERICK COURSEY, Paris, Tex. Filed Feb. 10, 1928. Serial No. 253,409. 11 Claims. (Cl. 74-108.)

1. A piston comprising an integral shell portion having a slot extending lengthwise therethrough for a part of its

length, and means for expanding said shell portion to take up for wear, said means consisting in a horizontally mounted rod having one end thereof threaded into one wall of



the piston, a transversely extending tapered wedge engageable with the other end of the rod and with the shell, and means for causing the relative movement between the wedge and said transversely extending pin.

1,741,660. HOISTING AND LIFTING CRANE. FREDERICK J. SCHMIDT, Auburn, Neb., assignor to Bender Hoist Manufacturing Company, Omaha, Neb., a Corporation of Nebraska. Filed Apr. 19, 1926. Serial No. 162,961. 1 Claim. (Cl. 254-139.)

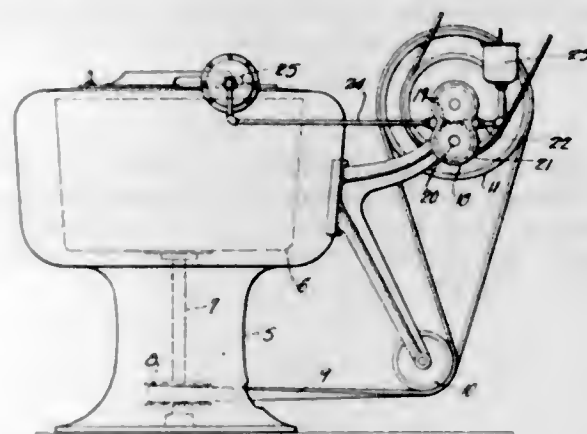


A crane of the character described adapted to be positioned upon or removed from a suitable support as a unitary structure including an elongated base adapted to extend longitudinally of the support, members connected to the base and depending therefrom to engage the support to prevent lateral movement of the base relative to the support, a standard secured to the base and extending upwardly therefrom, an upwardly and outwardly directed right boom having a forked lower end engageable with the base and secured thereto, a rod connecting the upper end of the standard with the upper end of the boom, a drum carried by the standard, a cable connected to and adapted to be wound upon the drum, the cable operating over the boom, and a motor carried by the standard and adapted to operate the drum.

1,741,661. LAUNDRY-MACHINERY LOCK. EMIL SCHNELL and PHILIP SCHNELL, Glendale, Long Island, N. Y., Filed Mar. 31, 1927. Serial No. 179,999. 4 Claims. (Cl. 192-135.)

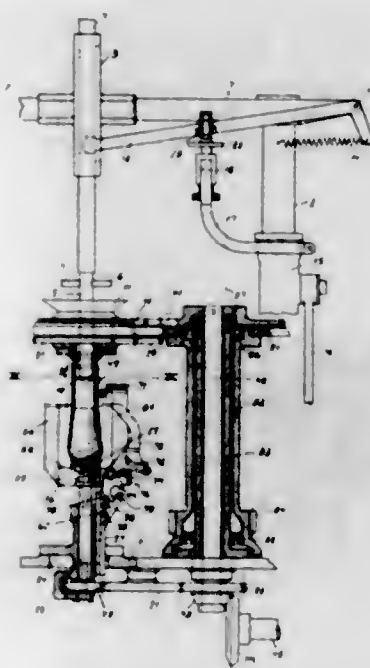
1. The combination with a laundry machine having a cover on the housing thereof and a moving wash holding

receptacle in the housing and the wash holding receptacle being driven positively from the drive shaft, of a pump on the drive shaft, a lock casing on the housing connected to the pump, a diaphragm in the casing against which the



fluid pressure is transmitted from the pump, a lever movable by said diaphragm and a bolt operable by said lever to overlie the cover when the pressure acts on said diaphragm whereby opening of the cover is prevented until the receptacle comes to rest.

1,741,662. PROCESS AND APPARATUS FOR SEALING OFF A HOLLOW GLASS BODY FROM AN ANNULAR GLASS BODY. PANCAS SCHOONENBERG, Eindhoven, Netherlands, assignor to Naamloze Vennootschap Internationaal Octrooibureau, Eindhoven, Netherlands. Filed Aug. 20, 1925. Serial No. 51,337. and in the Netherlands Oct. 10, 1924. 5 Claims. (Cl. 49-50.)

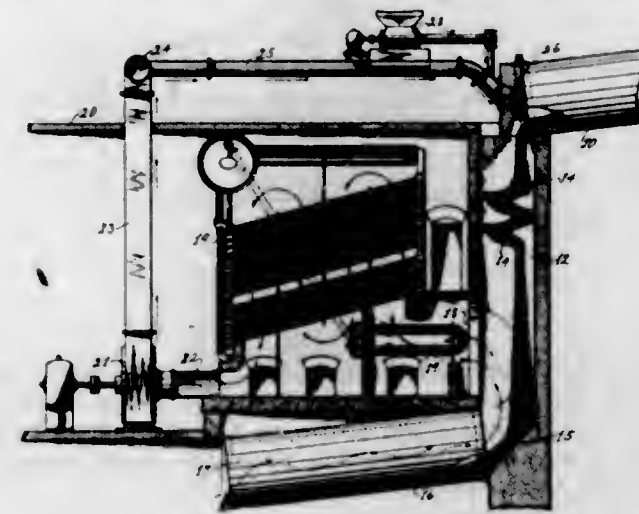


1. A process for fusing off a part from an open hollow glass body, consisting in directing a flame in the desired plane of severance against the inner surface of the hollow body until the glass melts after which the glass body and the part are separated, while during the fusing-off operation the glass body and the flame are rotated relatively to each other.

1,741,663. METHOD AND APPARATUS FOR UTILIZING WASTE HEAT. HERMAN R. SMITH, Plainfield, N. J., assignor to The Babcock & Wilcox Company, Payson, N. J., a Corporation of New Jersey. Filed Apr. 6, 1927. Serial No. 181,337. 8 Claims. (Cl. 122-7.)

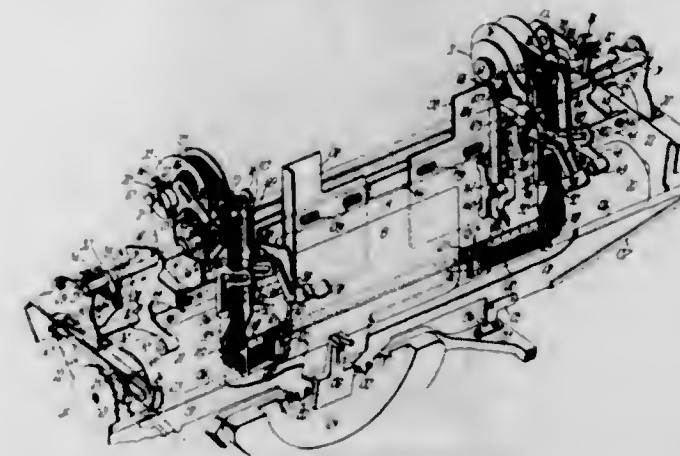
1. The method of reclaiming heat from hot divided solid non-combustible material comprising the steps of

heating air by moving the same through a falling stream of the hot material, passing the heated air over boiler heating surface, mixing the partially cooled air from the boiler without again contacting it with the hot material with finely divided fuel and burning the mixture in the production of an additional quantity of said hot material.



3. Apparatus for the recovery of heat from cement clinker or the like comprising, in combination, a downwardly directed passageway arranged to receive the clinker discharged from a kiln, an outlet from said passageway at the lowest part thereof, a boiler, an outlet from said passageway to said boiler, means for moving air in through said first-mentioned outlet and through the falling shower of clinker and said second mentioned outlet over the heating surface of the boiler.

1,741,664. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 18, 1927. Serial No. 176,360. 20 Claims. (Cl. 197-153.)

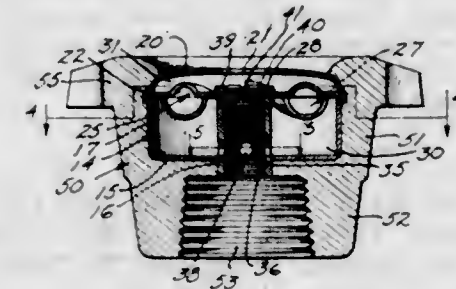


1. In a typewriting machine, the combination with a carriage having a platen, a carriage ribbon to cover the typing line of the platen and a shield in the form of a tape superposed over the face of the ribbon, of devices suspending the tape by its ends and mounted upon the carriage and relatively adjustable to accommodate variations in the width of a work-sheet.

1,741,665. SPRINKLER HEAD. WALTER VAN E. THOMSON, Los Angeles, Calif., assignor to Thompson Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Apr. 18, 1927. Serial No. 184,494. Renewed Oct. 15, 1929. 7 Claims. (Cl. 299-60.)

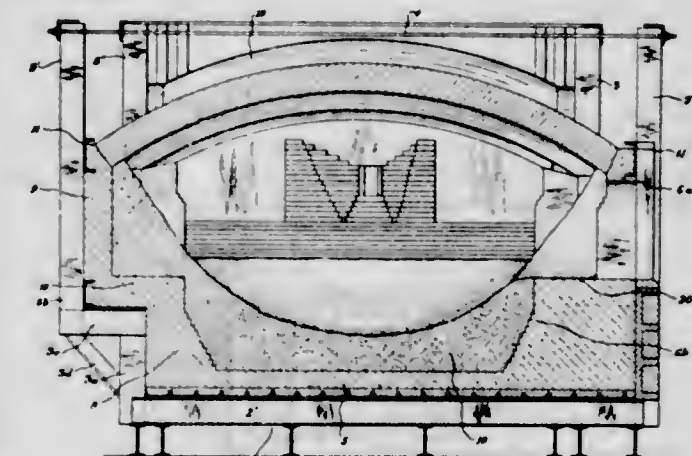
1. In a sprinkler head, the combination of: a cup; a cap for said cup; a plate disposed between said cap and said cup, there being central openings in said cap, said cup, and said plate, and eccentric ports in said plate; a

core member extending between the central openings of said cap and said plate, there being a liquid supply cavity in said core member and an opening connecting said cavity with the interior of said cup; a closure member adapted to be inserted downwardly through said cap central opening into said cavity to control the operative size of said core opening; and a body formed about said cap and cap to hold them in assembled position, there being a liquid supply passage in said body connecting with said cavity.



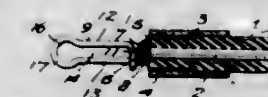
2. In a sprinkler head of the class described, the combination of: walls forming a chamber having an inlet opening in the lower part through which water may enter said chamber; walls forming a second chamber adjacent to said first chamber, there being communication between said chambers and said second chamber being in communication with the exterior; a core member extending through said first chamber towards said inlet opening and forming a straining means for water entering said first chamber, said core member forming a cavity having direct communication with said second chamber, said cavity being capable of passing a larger sized particle than can be passed by said communication between said chambers; and a removable closure means for the outer end of said cavity.

1,741,666. OPEN-HEARTH FURNACE. STEPHEN TREYBERTON, Canton, Ohio, assignor to Central Alloy Steel Corporation, Massillon, Ohio, a Corporation of New York. Filed Sept. 8, 1927. Serial No. 218,233. 4 Claims. (Cl. 263-46.)



1. An open hearth furnace including a bottom and a wall, the wall including a plurality of off-set and substantially vertical heights and a substantially horizontal ledge between the separate heights near the normal metal line.

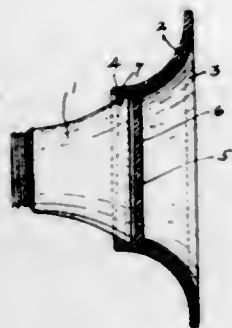
1,741,667. SPARK-PLUG CABLE TERMINAL. ANDREW V. D. WILLGOOS, Hartford, Conn., assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Filed Nov. 19, 1927. Serial No. 234,370. 8 Claims. (Cl. 173-269.)



1. A device of the character described including a tubular cable receiving socket of insulating material, a tubu-

lar metallic socket within the same, the outer end of the metallic socket having an aperture and including a rolled flange, a spark-plug-terminal-engaging member of spring wire, said member including an eye portion at one end lying within said rolled flange and disposed at right angles to the body of the said member, the body of said member including two substantially parallel portions and a rounded end portion, the width of the elongated space defined by said substantially parallel portions being less than the rounded space defined by said rounded end portion, one of said substantially parallel portions including and terminating in a hook lying transversely of the device and normally in engagement with the other of said substantially parallel portions.

1,741,668. SANITARY TELEPHONE ATTACHMENT. STEVEN WILSON, Cleveland, Ohio, assignor of one-half to Thurlow G. Gregory. Filed June 30, 1926. Serial No. 119,596. 7 Claims. (Cl. 179-185.)



1. An attachment adapted to be applied to standard telephone mouthpieces, comprising a body portion of rigid material embodying a germicidal ingredient substantially cylindrical adjacent one end and flared outwardly toward its opposite end to its point of greatest diameter, a diaphragm positioned at the meeting point of said cylindrical and flared outer portion, and fastening means provided on said cylindrical portion for securing said device to a standard telephone mouthpiece.

1,741,669. PRICE CARD AND SUPPORT. WILLIAM S. WILSON, Washington, D. C., assignor of fifty per cent to Sherman W. Frazier, Washington, D. C. Filed Mar. 20, 1928. Serial No. 263,066. 1 Claim. (Cl. 40-143.)

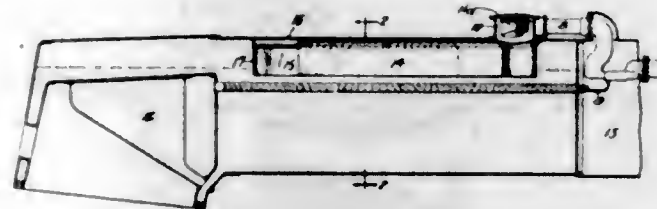


As an article of manufacture, a price card including a main support provided with pairs of vertically aligned slots, and a flexible character having two terminals the extreme ends of which are each formed with a transversely curved entering portion providing a shoulder for entering said slots and engaging the support to coact with the tension of material of the body portion of the character to hold the character in place upon the support.

1,741,670. LOCOMOTIVE. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Aug. 30, 1924. Serial No. 735,089. 4 Claims. (Cl. 122-492.)

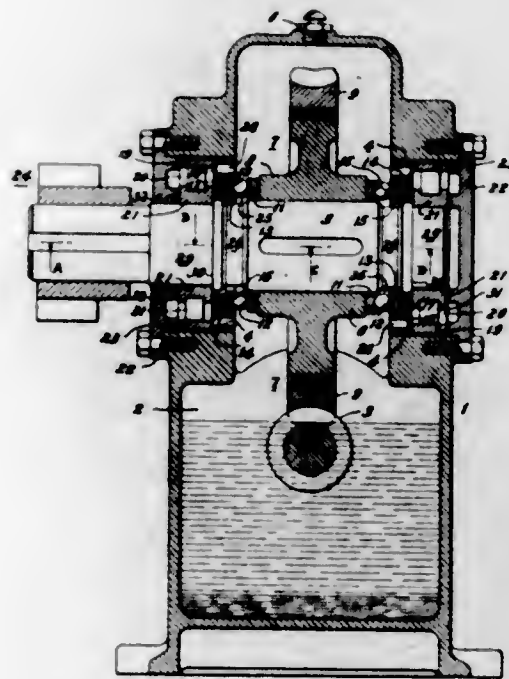
1. In a locomotive, the combination of a boiler, a fire box, means for ensuring rapid circulation in the boiler in the vicinity of the fire box, said means discharging into the water space above the fire box, a steam dome beyond

the region of said discharge, a plurality of longitudinally disposed plates extending from the boiler roof beyond the region of said discharge into the water so that the space between the plates is closed at the bottom by the water



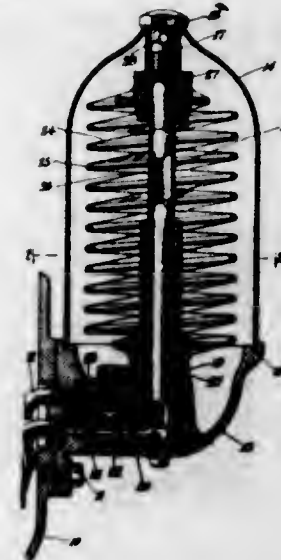
in the boiler, baffle means closing the space between said plates at the point adjacent the fire box, a steam entrance to the space between said plates at a point remote from the fire box, and a connection from the space between said plates to the dome.

1,741,671. WORM-GEARED REDUCTION UNIT. GEORGE H. ACKER, Cleveland, Ohio, assignor to The Cleveland Worm and Gear Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 14, 1925. Serial No. 50,153. 9 Claims. (Cl. 308-189.)



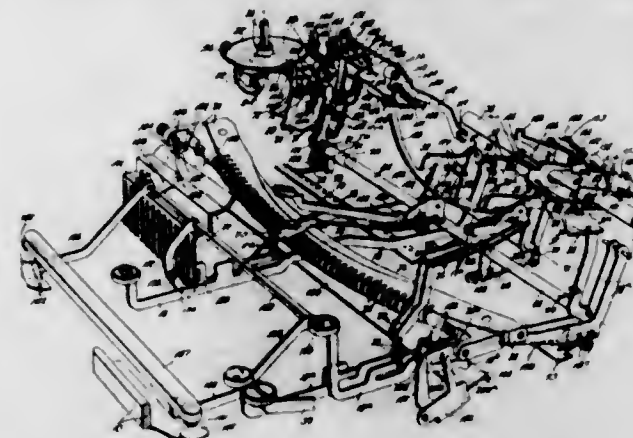
1. A worm gear reduction unit comprising a pair of spaced supports having bearing surfaces, a shaft subject to both radial and axial stress having journals cooperating with said bearing surfaces, a worm wheel secured to said shaft, rolling friction type axial thrust bearings having their first races abutting said wheel, rolling friction type radial thrust bearings between said journals and said bearing surfaces, adapter plates between the second races of said axial bearing and said radial bearings, said adapter plates having portions contacting the outer races of and clearing the inner races of said radial bearings and clamping plates secured to said walls and contacting said outer races and clearing said inner races, a worm in mesh with said wheel, and a second wheel overhung on said shaft outside said supports.

1,741,672. FILTER. GEORGE A. ARNOLD, East Orange, N. J., assignor to Motor Improvements, Inc., Newark, N. J., a Corporation of Delaware. Filed May 7, 1927. Serial No. 189,491. Renewed Apr. 26, 1929. 17 Claims. (Cl. 210-165.)



1. A filter comprising a casing, a filtering unit therein, said filtering unit comprising an envelope of filtering material supported by a resilient helix, a tube projecting through said filtering unit and means on said tube for maintaining said helix under compression.

1,741,673. TYPEWRITING MACHINE. HENRY ALLEN AVERY, OTTO PETERMANN, and EDWIN L. HARMON, Groton, N. Y., assignors, by mesne assignments, to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a Corporation of New York. Filed Nov. 13, 1926. Serial No. 148,256. 30 Claims. (Cl. 197-83.)

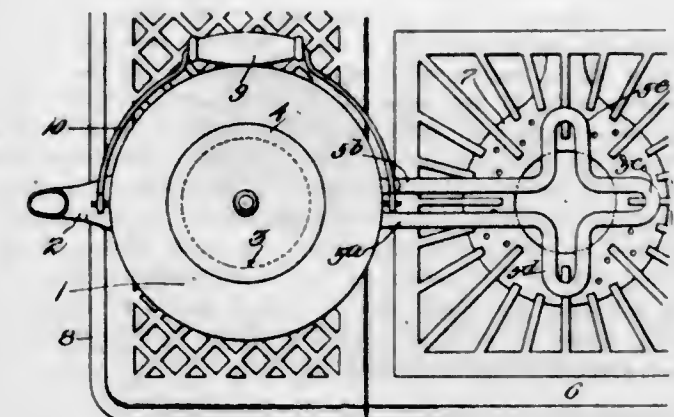


5. In a visible-writing typewriting machine, having a platen and ordinary and accent type actions, the combination of ribbon feeding means, ribbon vibrating means, letter-feed means for the platen, a universal bar operable solely by the ordinary type actions, and means whereby said universal bar is adapted to actuate all of said means and the accent type actions are adapted to actuate the ribbon feeding means and the ribbon vibrating means without actuating the universal bar and the letter-feed means.

1,741,674. PROCESS OF PRODUCING CYANAMID. GEORGE BARSKY, New York, N. Y., and PALMER W. GRIFFITH, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Feb. 8, 1924. Serial No. 691,478. 5 Claims. (Cl. 23-78.)

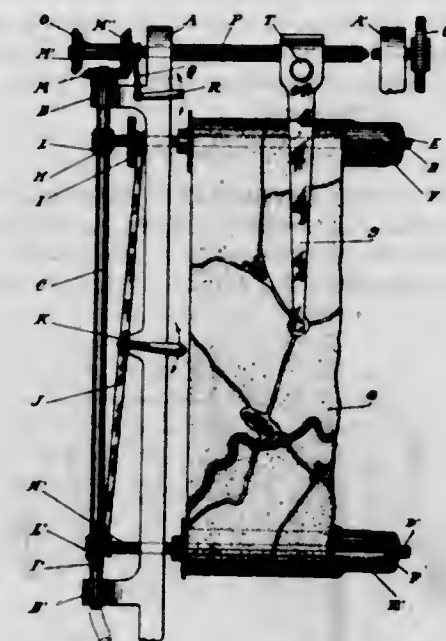
5. In the process of producing cyanamid, the step of rendering cyanamid solutions stable while concentrating the same, which consists in adjusting and maintaining the hydrogen concentration in said solutions between the limits of 10^{-2} and 10^{-7} normal.

1,741,675. KETTLE. JOSEPH M. BARTON, Athol, Mass. Filed May 4, 1927. Serial No. 188,671. 3 Claims. (Cl. 53-9.)



1. A tea kettle comprising a vessel having a spout at one side thereof; a ball-shaped handle having its ends pivotally connected with the upper end of said vessel at opposite sides thereof in the same plane with said spout and so as to swing side wise, and a length of metal pipe bent upon itself near its middle to provide two parallel legs disposed side by side in a horizontal plane immediately above the plane of the bottom of the vessel and wholly at one side thereof so as to serve as an extension thereof and to provide at the outer end of said extension horizontally radiating loops to serve as a seat for another vessel, the end of one of said legs being welded to the vessel immediately adjacent the bottom thereof and the other leg being bent upwardly adjacent said vessel and having its upper end welded to said vessel at a higher point, and said pipe extension projecting radially outward from said vessel diametrically opposite the spout of the latter and in the same vertical plane with said spout and the pivots of said handle.

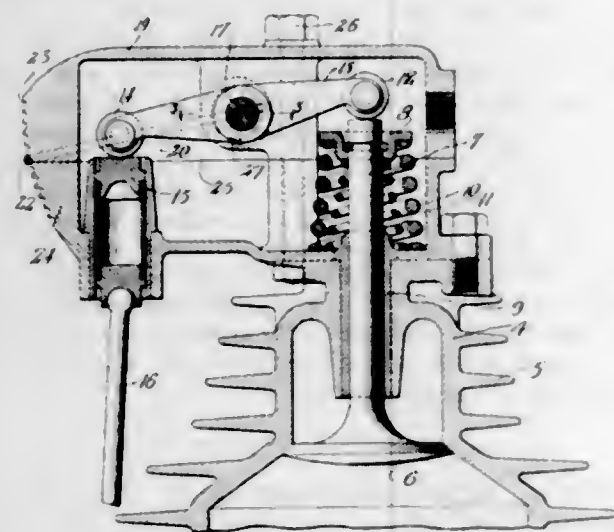
1,741,676. SEMIAUTOMATIC MAP POINTER FOR ROAD VEHICLES. PAUL BOREL, Marseille, France. Filed Nov. 5, 1926. Serial No. 146,505, and in France Dec. 12, 1925. 1 Claim. (Cl. 40-42.)



In a semi-automatic map-pointer for road vehicles, the combination of two parallel rollers, means for fixing one end of a map to one of said rollers, and the other end of said map to the other roller, a driving shaft perpendicular to said rollers and means for coupling the rollers to the

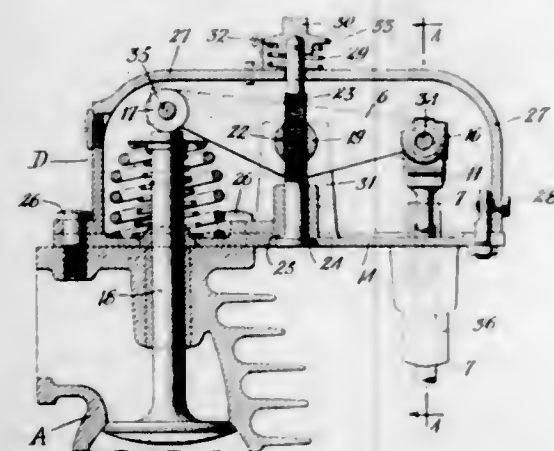
driving shaft, a first handle for actuating said coupling means in such a manner that either the one or the other roller is actuated, means for rotating the driving shaft calculated according to the scale of the map and driven by the wheels of the vehicle, a screw threaded axle parallel to the rollers, means for coupling said screw threaded axle to the driving shaft, a cone gear on the end of the driving shaft and a reverse gear slidable on the screw threaded axle so arranged as to be brought into engagement with said cone gear, a second handle for actuating said reverse gear, so as to either stop the motion of the axle or to rotate it in the one or the other direction, means for actuating said axle by hand, a map-pointer mounted on the screw threaded axle and driven by the latter, means for releasing the map-pointer from the axle allowing its being placed at any point of the axle, and a frame bearing the driving shaft, said rollers, the screw threaded axle and both handles.

1,741,677. VALVE-ADJUSTING MEANS FOR INTERNAL COMBUSTION ENGINES. ROBERT W. A. BREWER, Jenkintown, Pa., assignor to Harold F. Pitcairn, Bryn Athyn, Pa. Filed Feb. 24, 1927. Serial No. 170,455. Renewed Oct. 23, 1929. 3 Claims. (Cl. 123-90.)



1. In combination a valve, a valve rocker, a valve actuating rod, an adjustable mounting for said rocker, a casing enclosing said rocker and means outside said casing for effecting manual adjustment of said rocker, including a member adapted to engage the casing to hold the rocker in adjusted position said member being resilient to enable its being disengaged from the casing when adjustment is to be effected.

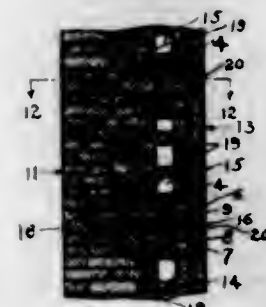
1,741,678. VALVE-OPERATING MECHANISM. ROBERT W. A. BREWER, Jenkintown, Pa., assignor to Harold F. Pitcairn, Bryn Athyn, Pa. Filed July 15, 1927. Serial No. 205,865. 8 Claims. (Cl. 123-90.)



3. A valve device for internal combustion engines comprising, in combination, a support, a valve, a valve op-

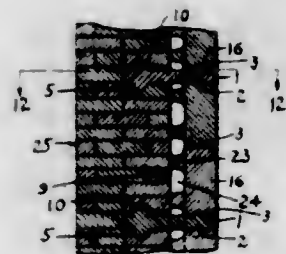
erating rod, a valve rocker, a rocker mounting, a rocker housing, and means extending through said mounting, said support and said housing for holding the mounting in place.

1,741,679. FURNACE WALL. GEORGE W. DAVEY, Long Island City, N. Y. Filed Nov. 28, 1925. Serial No. 72,022. 1 Claim. (Cl. 72-102.)



A furnace structure comprising a fixed outer wall, an inner lining wall of interlocking refractory blocks, and a plurality of sets of tie bricks holding the walls in fixed relation laterally but permitting movement thereof in the general plane of the wall, each such set comprising a single brick fixedly secured in one wall and a pair of bricks fixedly secured in the other, the said pair of bricks being spaced from the single brick but movably interlocking therewith one at one face and the other, at the opposite face, to provide freedom of relative movement between the walls in any direction in the general plane thereof.

1,741,680. FURNACE WALL. GEORGE W. DAVEY, Long Island City, N. Y. Filed Dec. 19, 1925. Serial No. 70,543. 1 Claim. (Cl. 72-102.)

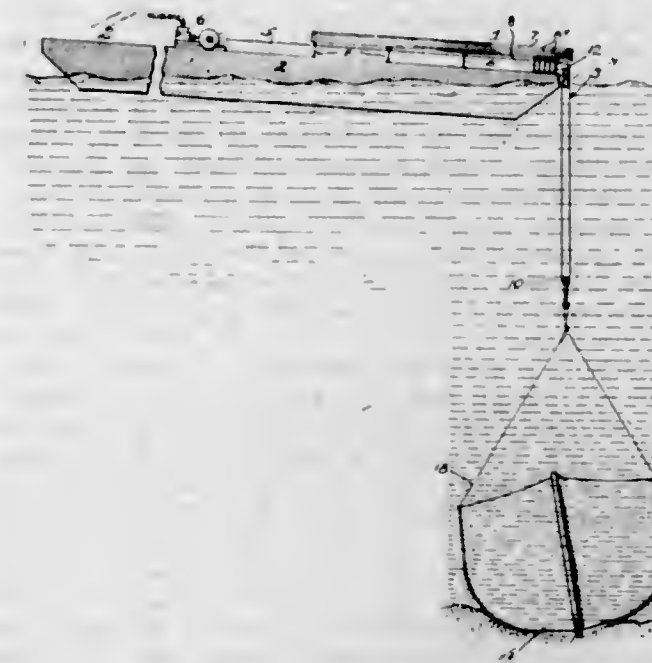


A tie block for a double wall construction, shouldered on two opposite faces for interlocking sliding engagement with one wall structure, and having, on a face extending between said two opposite faces, engagement means for securing it to the other wall structure constructed to provide clearance for movement in a direction at right angles to the sliding movement.

1,741,681. APPARATUS FOR RAISING SUNKEN VESSELS. WALTER N. DAVIS, Staten Island, N. Y. Filed May 20, 1927. Serial No. 192,853. 2 Claims. (Cl. 114-51.)

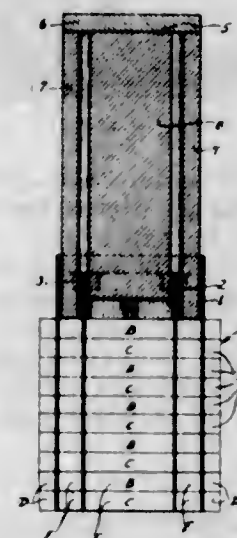
2. Apparatus for raising sunken vessels comprising, in combination, a scow or like vessel, a series of transverse beams secured to the deck thereof in close, side-by-side relation at one end of the scow, another series of transverse beams spaced from each other and from the first series of transverse beams, said second series of beams being also secured to the deck of the scow, a fore-and-aft beam structure overlying and secured to said transverse beams with its forward end overhanging the end of the scow, the pro-

portions of the parts being such that said overhanging end of the fore-and-aft beam structure is disposed close to the plane of the deck, and a hoisting tackle including



a universally swivelled pulley block suspended from said overhanging end of the beam structure and adapted to be hitched to the vessel to be raised.

1,741,682. SANDWICH-BREAD SLICE-CUTTER MOLD. MATTHEW F. DESMOND, Burlingame, Calif. Filed June 5, 1928. Serial No. 283,086. 1 Claim. (Cl. 107-1.)



In combination, a plurality of tubular elongated molds open at their opposite ends positioned one within the other and formed at corresponding ends with cutting edges, and an expelling plunger of the configuration of each mold for insertion thereto from one end to expel the material therein from the other end, the ejecting end of the plunger for one mold projecting beyond the end of the plunger for another mold, and means permanently uniting said plungers in fixed relation to cause their operation in unison.

1,741,683. MEANS AND METHOD OF PRODUCING DECORATIVE SURFACES. LAURENCE P. DICKEY, Mountain Lakes, N. J., assignor to August Goertz & Co., Inc., a Corporation of New Jersey. Filed May 2, 1928. Serial No. 274,440. 4 Claims. (Cl. 41-22.)

1. The combination with a surface of an article, of a decorative element, comprising a composite body consist-

ing in a sheet of colorless transparent pyroxylin having a design printed on the under surface thereof and a sheet of tinted transparent pyroxylin upon which said first named sheet is imposed, said composite body being secured in



overlying relation to and upon said article surface, whereby the design lies in a plane parallel to but spaced above said article surface to permit light to traverse the tinted pyroxylin material beneath said design for the purposes described.

1,741,684. PHOTO-ENGRAVER'S CABINET. WILLIAM J. DOBBSOX, Somerville, Mass. Filed Jan. 8, 1927. Serial No. 159,928. 4 Claims. (Cl. 91-60.)

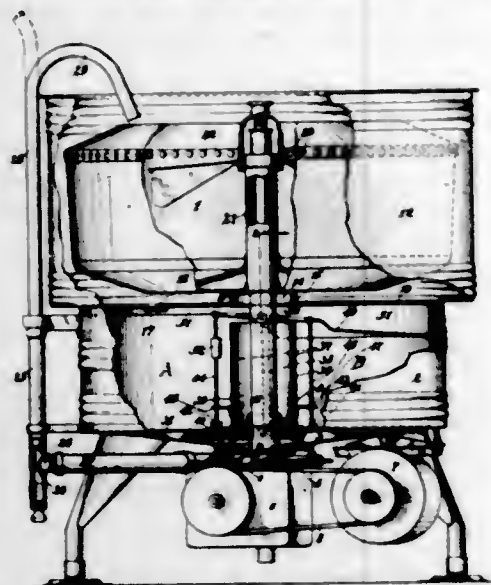


1. A cabinet of the character stated comprising in combination a working chamber, having a front opening, a settling chamber below the working chamber closed at its lower portion, a vertical exhaust flue adapted to conduct floating powder downward from the working chamber to one side of the upper portion of the settling chamber, an exhaust outlet communicating with the opposite ends of the upper portion of the settling chamber, and adapted to be connected with suction means whereby an air current may be induced through the working chamber, the exhaust flue and across the settling chamber to the exhaust outlet, and a baffle plate extending from the top partly to the bottom of the settling chamber between the exhaust flue and the exhaust outlet, the arrangement being such that floating powder set free in the working chamber during the operation of bleeding a partially etched plate, is drawn by the induced current from the working chamber through the exhaust flue to the settling chamber, the major portion of the powder is deposited on the bottom of said chamber under the baffle plate, and the air and any residuum of floating powder carried thereby are exhausted through said outlet, the baffle plate facilitating the deposition of powder on the bottom of the settling chamber.

1,741,685. MULTIPLE-COMPARTMENT LAUNDRY MACHINE. GEORGE W. DUNHAM, Utica, N. Y., assignor to The Whildry Corporation, Utica, N. Y., a Corporation of New York. Filed Apr. 23, 1926. Serial No. 104,023. 5 Claims. (Cl. 68-15.)

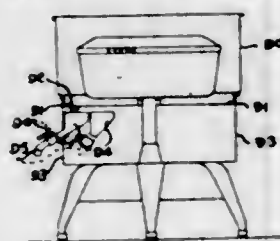
1. A laundry machine comprising a lower tank section having a plurality of storage compartments, an upper tank section having a bottom forming a gallery and mounted

on said lower section, a receptacle rotatably mounted in said upper section, said bottom having a drain opening.



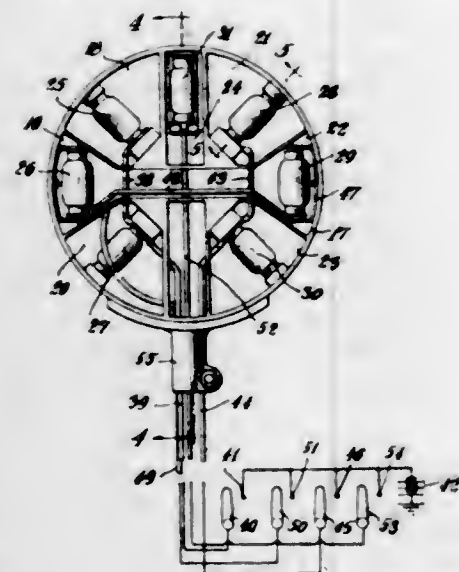
and means whereby said upper section may be rotated relative to said lower section to move said opening over any one of said compartments.

1,741,686. MULTIPLE-COMPARTMENT LAUNDRY MACHINE. GEORGE W. DUNHAM, Utica, N. Y., assignor to The Whirldry Corporation of New Haven, Conn., a Corporation of New York. Filed Oct. 5, 1926. Serial No. 139,582. 4 Claims. (Cl. 68-18.)



1. A laundry machine comprising a lower tank section, an upper tank section having an annular trough in its bottom, said trough having a discharge conduit, said lower section having a cup on the one side of a wall thereof communicating with the other side of the wall, a laundry receptacle rotatably mounted in said upper section, said upper section being relatively rotatable to said lower section.

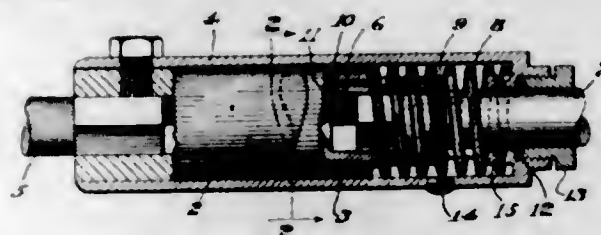
1,741,687. SIGNAL DEVICE. ROBERT EDELMANN, New York, N. Y. Filed Aug. 19, 1927. Serial No. 213,990. 1 Claim. (Cl. 177-329.)



In a signal device of the class described including a casing, a cover for said casing formed by transparent plates bearing a double pointed arrow pointing in opposite direc-

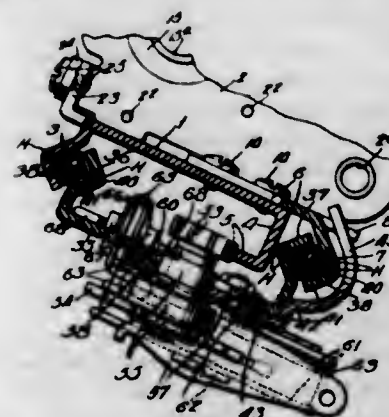
tions, and the word "Stop" between the spaced upper and lower ends of the arrow heads, the lower inner ends of said heads spaced, a grounded band and sets of bulbs within said casing, insulated blocks having one pole of the bulbs of the two sets (25, 27, and 28, 30) mounted therein, grounded springs engaged by the other poles of said bulb sets, an electric conductor connecting the inner poles of the bulbs of one set (25, 27), a switch arm (40) connected to said conductor engageable with a contact connected with one pole of a source of electricity, having its other pole grounded, a conductor connecting the inner poles of the other set of bulbs (28, 30), a second switch arm (45) connected to said conductor and engageable with a contact connected with a source of electricity, a third set of bulbs (26, 29) having one pole thereof connected to said grounded band, a switch arm (50) to which the other poles of said set of bulbs are connected, said switch arm engageable with a contact connected to a source of electricity, and a single bulb (31) also connected at one pole to said grounded ring, partitions in said casing separating the same into a plurality of chambers, each containing one bulb of said sets of bulbs and one of said chamber the last named bulb to illuminate the word "Stop", a switch arm (53) connected to the other pole of said single bulb, said switch arm connected to a contact in connection with a source of electricity, said switch arms adapted to close the circuits in which said set of bulbs and the single bulb is located to illuminate the word "Stop" and the double pointed arrow to indicate an intended stop, turns, and direction thereof and resumption of speed by the space between the lower inner ends of said arrow heads remaining dark.

1,741,688. CLUTCH. SAMUEL ELIOT, Manchester, Mass. Filed Dec. 9, 1927. Serial No. 238,804. 6 Claims. (Cl. 192-46.)



1. In a clutch of the character described, the combination of a barrel, driving and driven clutch members in said barrel revoluble about the axis of the barrel and arranged to be positively connected to and disconnected from each other, one of said clutch members consisting of a piston having a clutch face, said piston being movable axially in said barrel into and out of clutching relationship to the other of said members, and a body of liquid in said barrel for cushioning the movements of said axially movable member.

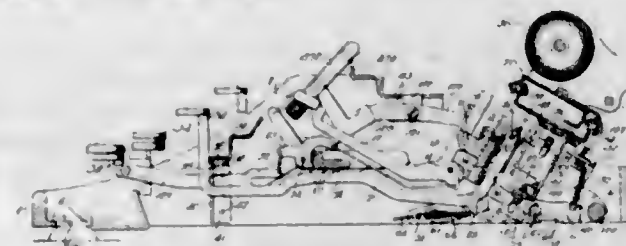
1,741,689. TYPEWRITING MACHINE. ALONZO B. ELY, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a Corporation of New York. Filed June 11, 1927. Serial No. 198,265. 22 Claims. (Cl. 197-60.)



16. A two-part sheet metal platen carriage comprising a main section having a flat base plate portion formed

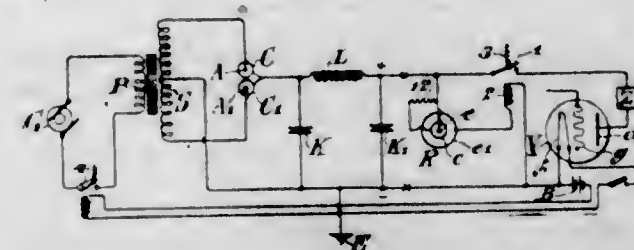
at its ends with integral platen-supporting end plates perpendicular thereto and formed along its opposite longitudinal edges with an integral raceway flange and an integral flange provided along its longitudinal edge with rack teeth to form a feed rack, said raceway and rack flanges being disposed at the opposite side of said base plate portion of the main section from said end plates, an auxiliary carriage section having a base plate portion overlapping and adjustably clamped to that side of the base plate of the main section at which the end plates are located, said auxiliary section being formed along one longitudinal edge with an integral raceway flange between which and the raceway flange on the main section the rack flange on the main section is located, and each of said end plates on the main section being formed with an integral drawn tubular bearing for a platen shaft.

1,741,690. TYPEWRITING MACHINE. ALONZO B. ELY, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 3, 1928. Serial No. 298,358. 12 Claims. (Cl. 197-33.)



1. In a typewriting machine, a main frame, a system of type actions including a system of actuating key levers fulcrumed on the main frame, a pair of attachment brackets for main frame supporting fret rigidly held to the main frame adjacent opposite sides of the machine, a system of helical tension springs each connected at one end with a different one of said key levers, an anchor member extending transversely of the machine to which the opposite ends of all the springs are connected, and means forming an adjustable connection between said anchor member and said brackets adapted to support said member from the brackets in different adjusted positions lengthwise of the springs in all of which the normal axial line of each spring remains constant.

1,741,691. POWER SUPPLY FOR THERMIONIC DEVICES. ALMON N. FENTON, Collingswood, N. J., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 11, 1927. Serial No. 225,469. 10 Claims. (Cl. 250-27.)

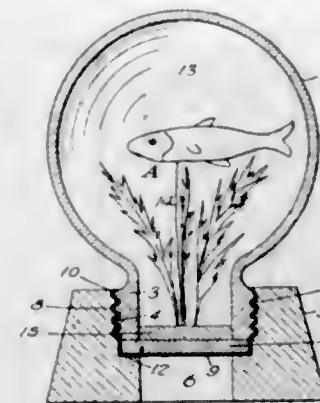


1. Apparatus for supplying power to the anode circuit of a thermionic tube comprising a source of power, a voltage regulating impedance across said source and means to disconnect said source from said anode circuit upon reduction of current through said impedance to less than a predetermined value.

1,741,692. PAPER WEIGHT. JOSEPH GARAJA, Pittsburgh, Pa. Filed Aug. 17, 1927. Serial No. 213,453. 5 Claims. (Cl. 35-12.)

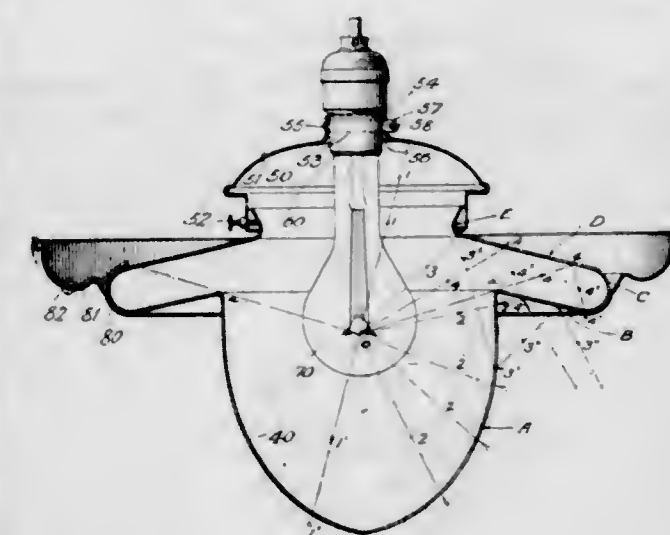
1. An article of the class described comprising a supporting base having a threaded socket, a glass globe hav-

ing a threaded neck for insertion therein, a closing disk inserted within the neck, an intervening larger packing disk between the neck and base and bearing against the



end of the neck, and a liquid completely filling the globe, with a visible object within the liquid flexibly connected with the closing disk.

1,741,693. REFLECTOR BOWL FOR ELECTRIC LAMPS. EDWIN B. GILLINDER, Port Jervis, N. Y., assignor to Gillinder Brothers, Inc., Port Jervis, N. Y., a Corporation of New York. Filed Mar. 26, 1928. Serial No. 264,739. 3 Claims. (Cl. 240-100.)

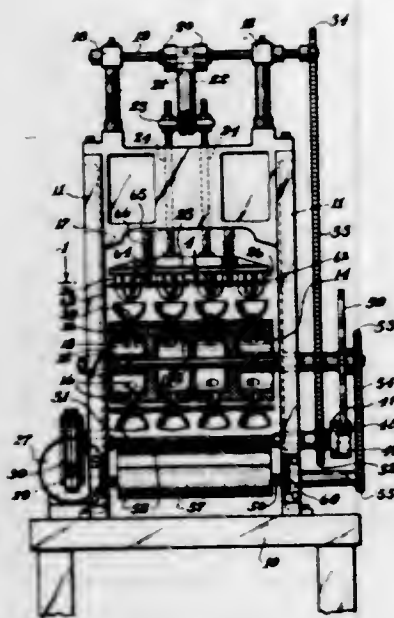


1. A lighting fixture comprising a light diffusing globe formed of a lower central bowl portion, two outwardly flanging annular portions located above the central bowl portion and in spaced relation to one another, a third annular portion joining the outer ends of said flanging portions, and an opaque annular member supported by and substantially covering the outer surface of said third annular portion.

1,741,694. ROLL-MAKING MACHINE. CHARLES GOTTFRIED, New York, N. Y., assignor to Gottfried Baking Co., Inc., New York, N. Y., a Corporation of New York. Filed May 5, 1928. Serial No. 275,276. 1 Claim. (Cl. 107-8.)

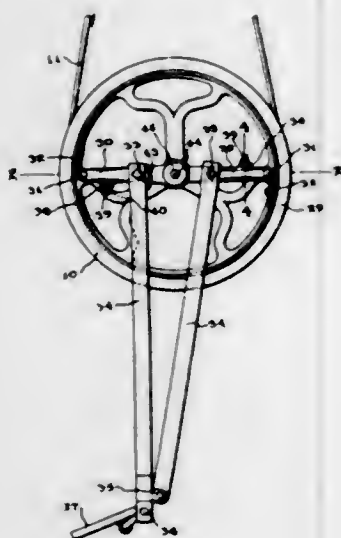
In a roll-forming machine, an upright frame, a set of bearings in said frame, a shaft rotatably mounted in said bearings, an endless conveyor, a series of outwardly disposed dough-ball cups carried thereby, a pair of horizontally spaced wheels around which the conveyor extends, one of said wheels being mounted on said shaft, means for intermittently driving said shaft to advance the cups step by step and right side up toward said wheel mounted

on said shaft, a set of bearings on said frame above said first mentioned bearings, a shaft rotatably mounted therein and over said first mentioned shaft, a crank on said



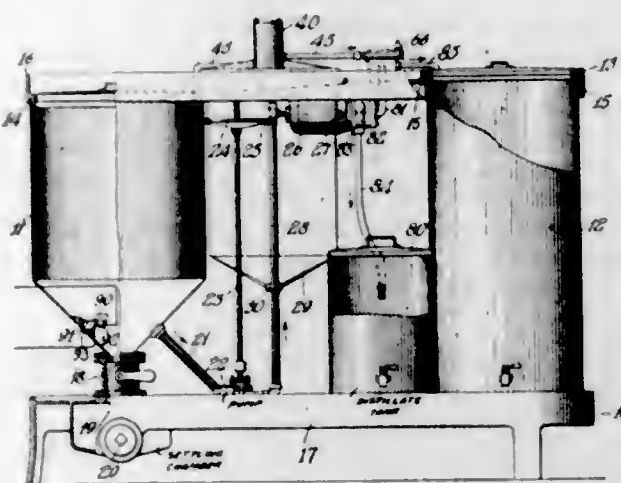
second mentioned shaft, a reciprocable die between said shafts, a connecting rod connecting said crank with said die, and means to rotate said second mentioned shaft continuously.

1,741,695. MACHINE DRIVE. JONATHAN P. GRABER, Bloomfield, Mont. Filed Aug. 4, 1927. Serial No. 210,676. 1 Claim. (Cl. 74-53.)



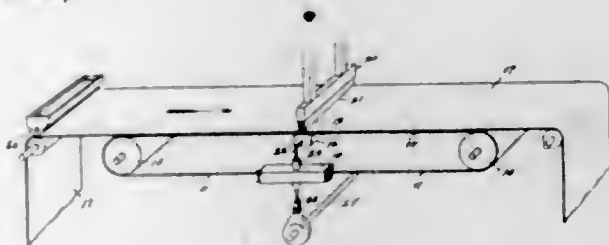
A machine drive comprising a drive wheel provided with a rim, arms pivotally mounted for swinging movement about the axis of the drive wheel, bell-crank levers pivotally mounted at the outer extremities of said arms, the shorter arms of said levers being adapted for gripping action on said wheel rim and the longer arms terminating adjacent the axis of the drive wheel, a reciprocatory member, pitmen pivotally connected at one end with the reciprocatory member and at the remote ends with the inner extremities of said levers, and cushioning means carried by the arms and yieldingly impelling the levers in one direction.

1,741,696. PURIFIER FOR CONTAMINATED LIQUIDS. GEORGE H. GREENHALGH, Newark, N. J., and ROBERT P. F. LIDDELL, New York, N. Y., assignors to Motors Improvements, Inc., a Corporation of Delaware. Filed June 27, 1924. Serial No. 722,667. 7 Claims. (Cl. 196-16.)



1. In an apparatus of the character described a tank, a filter, a still, power operated means for transferring liquid from said tank successively to said filter and still and control means for starting and stopping said transfer means, said control means being responsive to a change in level of liquid in said tank.

1,741,697. MACHINE FOR PRODUCING FIGURED PAPER. CHARLES G. HAMPSON, New York, N. Y. Filed Nov. 21, 1925. Serial No. 70,515. 2 Claims. (Cl. 91-9.)



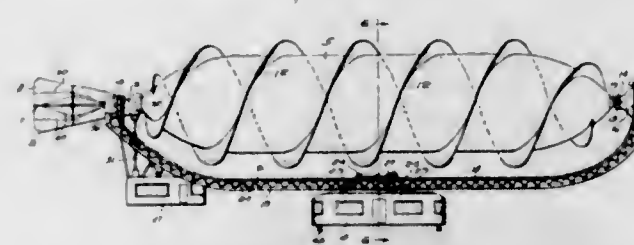
1. A machine for imposing a design on a strip of wall paper or the like, comprising a sweeping implement fixed in position, and having a work face on the underside thereof, a travelling belt to move the paper beneath said implement, and reciprocating means acting on the belt to give the paper a movement to and from the work face of the sweeping implement as the paper is moved past the implement by the travel of the belt.

1,741,698. SOFT-RAG PRINTING ROLLER. CHARLES G. HAMPSON, New York, N. Y. Filed Dec. 22, 1925. Serial No. 77,165. 5 Claims. (Cl. 91-68.)



1. In the art of preparing a soft finished design to a coated surface, the method which includes the step of subjecting the surface to the rolling action of a soft fabric having irregular shaped cut-out portions and causing the cut-out portions to act by suction effect on the coated surface while permitting a limited movement to the edges of the fabric defining the cut-outs.

1,741,699. DIRIGIBLE AIRSHIP. LORRIN L. HANSEN, Wasta, S. Dak., assignor of one-half to Carl H. Loock, Rapid City, S. Dak. Filed Feb. 14, 1929. Serial No. 339,984. 10 Claims. (Cl. 244-6.)



1. An airship comprising a buoyant hull, a bridge extending the full length of the hull, means for mounting the hull for bodily rotation about its axis, within the extremities of said bridge, a power plant supported upon the bridge and comprising means for imparting bodily rotation to the hull, vanes upon the exterior of the hull for propelling the ship under the rotative action of the hull, a trackway supported by the bridge, and a cabin mounted to travel bodily longitudinally along the trackway, said trackway being curved in such manner and extending to such a point around the nose of the airship that the cabin may be caused to maintain a substantially horizontal position throughout the downward tilting movement of the ship.

1,741,700. METHOD AND APPARATUS FOR MANUFACTURING BRUSHES. ALFRED V. HART, Westfield, N. J., and JOSEPH T. HART, Rockville Center, N. Y. Filed Mar. 23, 1927. Serial No. 177,486. 3 Claims. (Cl. 300-21.)

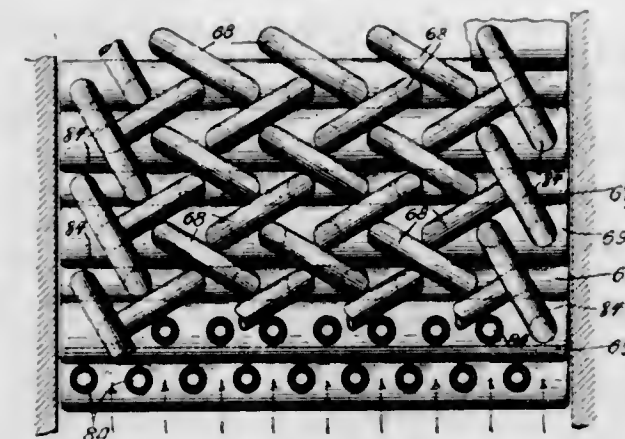


1. The process of manufacturing brushes which comprises assembling the brush bristles in a ferrule with the base ends of the bristles projecting from the ferrule, applying a cementing medium to the projecting ends of the bristles, forcing the cemented ends of the bristles into the ferrule far enough to leave the end of the ferrule open and clear of bristles, enclosing the protruding brush portion of the bristles and supporting the ferrule independently of the bristles, driving a wedge member and a preceding piloting member in through the open end of the ferrule while so supported, far enough to leave the wedge member in the ferrule and the piloting member in the protruding portion of the bristles and then removing the piloting member from the bristles.

1,741,701. SERIES BOILER. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Apr. 16, 1918. Serial No. 228,827. Renewed May 26, 1928. 11 Claims. (Cl. 122-275.)

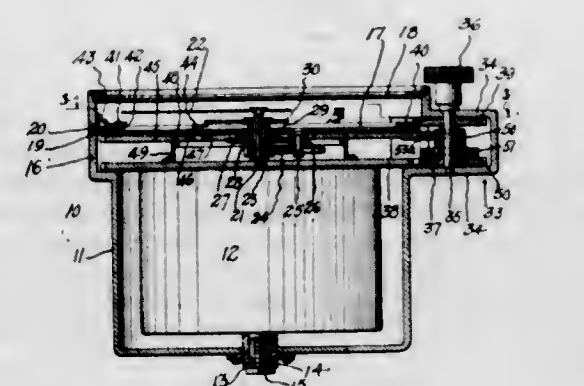
1. In a fluid heater, a series of substantially parallel fluid containing compartments and return tubes having

their ends connected thereto, successive tubes connected to a given compartment being connected alternately to adjacent compartments on opposite sides of the given



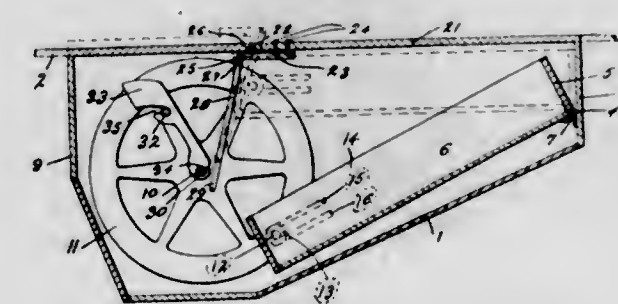
compartment, the planes of successive tubes making an angle with each other, and means for directing hot gases over said tubes.

1,741,702. INDICATOR. PAUL KOLLSMAN, Woodhaven, N. Y. Filed Aug. 6, 1929. Serial No. 383,931. 16 Claims. (Cl. 116-129.)



1. A device of the character described, including an indicator, said indicator having scale means, a pointer, a reference means, other means coacting with the pointer and the reference means to cause them to move relatively to each other in synchronism with respect to the scale means, and means to cause the pointer and reference means to move through equal angles in setting the device.

1,741,703. DISAPPEARING SUPPORT. ANDREW W. LEONHARDT, Cleveland, Ohio. Filed Apr. 26, 1928. Serial No. 272,874. 6 Claims. (Cl. 312-26.)



1. The combination with a desk top, of a well sunk below the level of said desk top, a support hinged within said well below the level of said desk top, a wheel rotatably mounted in said well, means providing a lost-motion

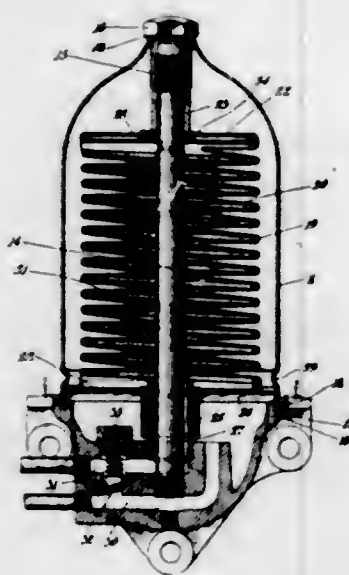
connection between the rim of said wheel and the free end of said support, a cover hinged to said desk top in the plane thereof, and a link connected to said cover and to said wheel.

1,741,704. METHOD OF MAKING COLUMNS AND THE LIKE. ARCHIBALD E. LINGO, Collingswood, N. J., assignor to John E. Lingo & Son, Inc., Camden, N. J., a Corporation of New Jersey. Filed Mar. 9, 1929. Serial No. 345,783. 8 Claims. (Cl. 29—153.)



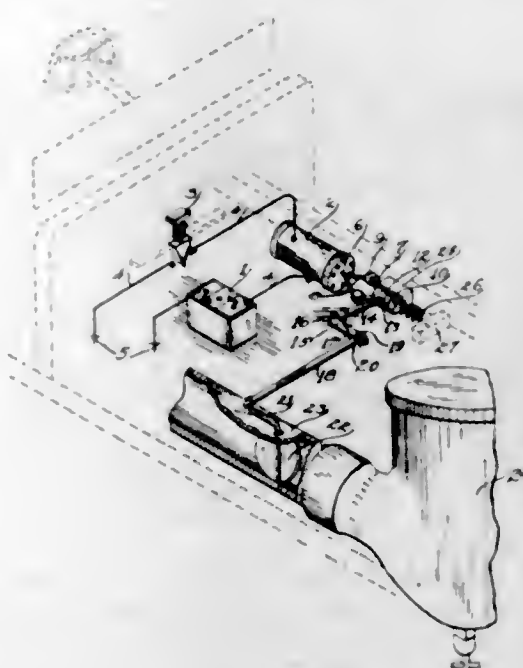
1. The method of making a column which consists in cutting an excision in a tubular section, forcing a series of rings on said section, each ring in said series being brought to a point where the diameter of the finished column corresponds to the internal diameter of said ring, uniting the edges of the excision to each other at points between said rings, and then removing said rings.

1,741,705. FILTER. ROBERT P. F. LIDDELL, New York, N. Y., assignor to Motor Improvements, Inc., Newark, N. J., a Corporation of Delaware. Filed Oct. 26, 1927. Serial No. 228,730. 28 Claims. (Cl. 210—165.)



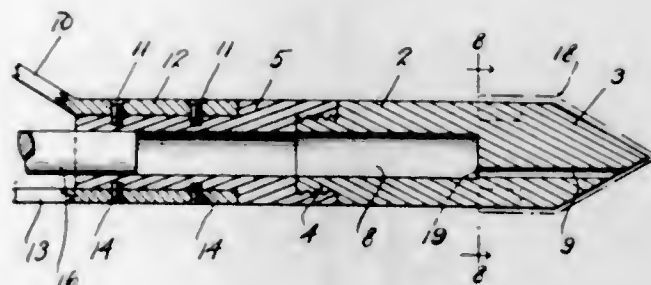
1. In a filter, a casing, a filtering unit comprising a flexible frame enclosed by an envelope of filtering material, means for slidably supporting the ends of said unit and means for limiting contraction of said unit.

1,741,706. AUTOMATIC CHOKE-VALVE CONTROL. PERCY F. LITTLE, Lyon Park, Va. Filed Mar. 26, 1928. Serial No. 264,945. 13 Claims. (Cl. 123—179.) (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928, 370 O. G., 757.)



1. In combination, a starting motor, a carburetor, a valve for said carburetor, and mechanical control means connecting said starting motor with said valve.

1,741,707. SOLDERING IRON. DAVID A. MILLER, Campbelltown, Pa. Filed Nov. 30, 1928. Serial No. 322,821. 3 Claims. (Cl. 113—109.)



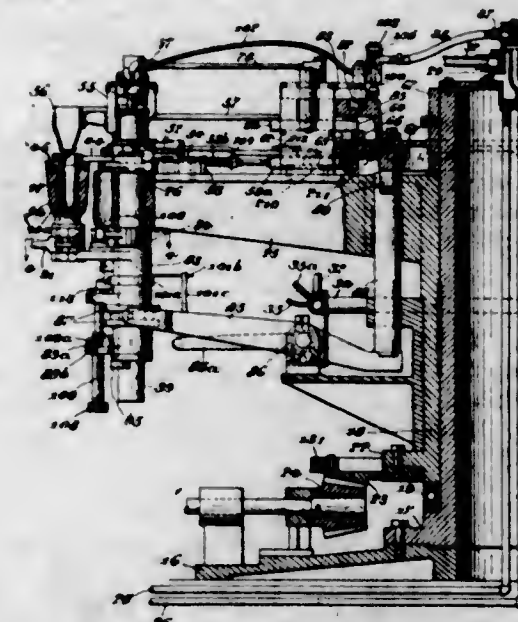
1. In a soldering iron, a soldering head formed with a solder receiving chamber in the rear portion thereof, the forward end of the head being tapered and formed with a restricted passage and has communication with the forward head of the chamber, a handle extending rearwardly from the soldering head, a manually operable piston movable in the chamber for feeding the molten solder to the discharge passage in the pointed forward end of the head and a removable cap for the forward end of the head comprising a pair of substantially V-shaped resilient flat metallic arms terminating in opposed parallel end portions of arcuate cross section for frictionally gripping the sides of the head, and an elongated pin mounted on said cap adjacent its forward end and extending rearwardly therein for insertion in the restricted passage.

1,741,708. APPARATUS FOR BLOWING GLASS. JOHN A. MILLIKEN, Ambler, Pa., assignor to John E. Marsden, Philadelphia, Pa. Filed Nov. 13, 1922. Serial No. 600,516. 50 Claims. (Cl. 49—5.)

14. A glass-blowing machine provided with a press mold and a blow mold movable as a unit, a gripping member normally disposed above the press mold, means for directing a slug of glass into the press mold, means for expanding it into engagement with the gripping member, means for removing the press mold, means for moving a

blow mold vertically into operative position with respect to the glass slug, and a blow pipe for expanding the slug of glass into the mold.

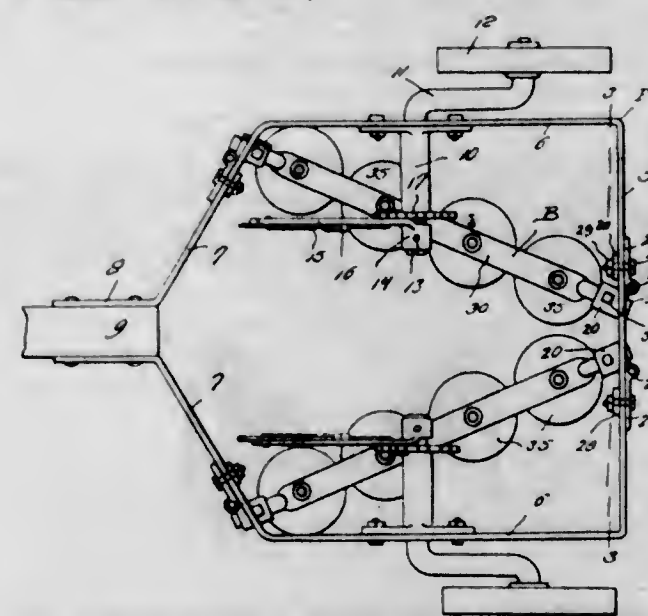
35. The combination in a glass-blowing machine provided with a carrier, of a blow pipe supported upon the carrier, a blow mold having a relatively movable bottom portion both movable vertically into operative relation to said pipe said bottom having a depending member, and means disposed adjacent to the carrier to engage said depending member for holding said bottom portion against retractive movement when the mold is withdrawn from the blow pipe.



36. In a glass blowing apparatus, the combination with a rotatable mold table provided with glass blowing units, of take-off mechanism comprising a cam member carried by said table, said cam member having a plurality of cam surfaces, one for each blowing unit, an actuator lever mounted on a support normally stationary with respect to said table, means normally holding one end of said lever in engagement with said cam member, and a take-off device connected with and oscillated by said actuator lever.

36. In a glass blowing apparatus, the combination with a blow mold supported thereby, a spray device, means for supplying cooling fluid to said spray device, means operated by movement of the mold carrier for causing the mold to temporarily enclose the spray device, and means also operated by movement of the mold carrier for regulating the supply of cooling fluid passing to the spray device.

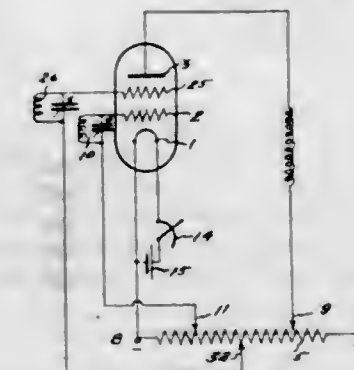
1,741,709. BEAN CUTTER. FRANCIS L. ORR, Sacramento, Calif. Filed Dec. 19, 1927. Serial No. 241,230. 1 Claim. (Cl. 55—60.)



An apparatus of the class described comprising a frame provided with two pairs of slots, sleeves extending through

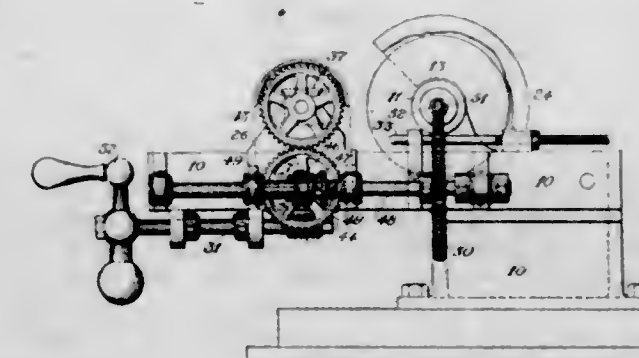
said slots, two pair of clamp plates on the frame, bolts extending through the slots for adjustably holding the clamp plates on the frame, means for hingedly engaging one plate of each pair with the respective sleeve, a pair of U-shaped brackets having outwardly directed terminal extensions in the sleeves, set screws in the sleeves to prevent rocking of the terminal extensions, and a plurality of cutting disks rotatably mounted on the bight portion of the bracket.

1,741,710. HIGH-FREQUENCY GENERATING AND AMPLIFYING SYSTEM. HEINRICH PAULI, Berlin, Germany, assignor to the Firm Dr. Erich F. Huth Ges. m. b. H., Berlin, Germany. Filed July 11, 1924. Serial No. 725,356, and in Germany July 13, 1923. 2 Claims. (Cl. 250—36.)



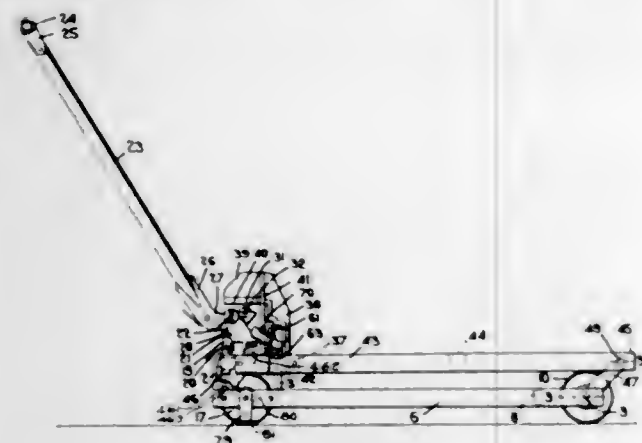
1. In a multi-wave generating system comprising an electron tube having a cathode and anode for producing an electron discharge stream, an output circuit connecting said cathode and said anode, auxiliary electrodes in the path of said discharge stream, means for applying electric potential to said electrodes with respect to said cathode and anode to produce a negative resistance characteristic in the path of said discharge stream between said cathode and said auxiliary electrodes and an oscillatory circuit in operative relation with and individual to each of said negative resistance paths to maintain electric oscillations for transfer to and superposition in said output circuit.

1,741,711. COIL-CUTTING MACHINE. OSCAR A. FEARSON, Oak Park, Ill., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 30, 1928. Serial No. 296,254. 5 Claims. (Cl. 164—69.)



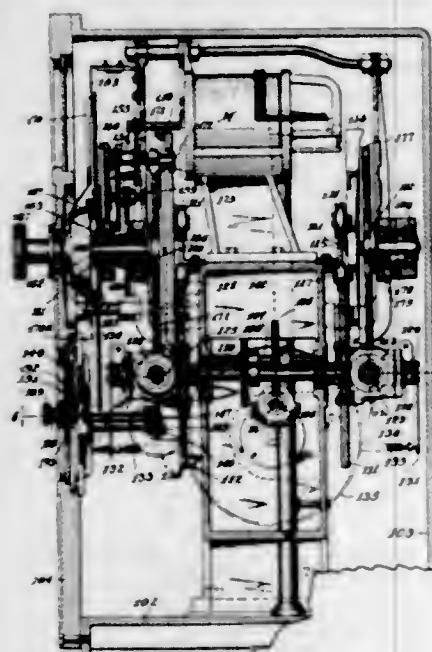
4. A machine of the class described comprising a frame; a shaft in said frame; means for driving said shaft; one or more cutting members on said shaft; a carriage mounted on said frame to reciprocate toward and away from said shaft; means on said carriage for rotatably mounting an article to be cut by said cutting members; means operable by said shaft for rotating said article mounting means; and means for reciprocating said carriage.

1,741,712. ELEVATING TRUCK. DANIEL E. HENNESSY, Cambridge, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a Corporation of Massachusetts. Filed Feb. 3, 1928. Serial No. 251,694. 28 Claims. (Cl. 254-10.)



1. An elevating truck comprising supporting wheels and steering mechanism having a tongue mounted to swing vertically, an integral load supporting unit, means operable by a vertical swinging movement of the tongue when in any steering position to engage and then to apply vertically a lifting force directly to said load supporting unit.

1,741,713. AUTOMATIC DEVIATION AND DISTANCE INTEGRATING APPARATUS. EDWARD L. HOLMES, New York, N. Y., assignor to Holmes Navigating Apparatus Co., Inc., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 183,442. 13 Claims. (Cl. 235-61.)

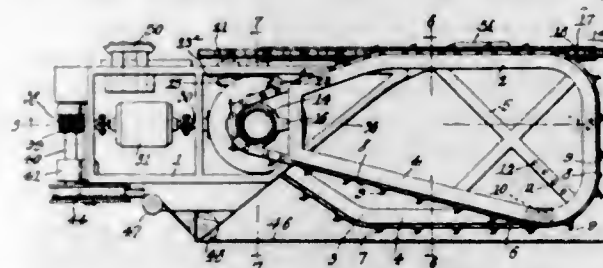


1. In navigating apparatus, the combination of means for integrating with functions of angles of travel of a self-propelled object relative to a set path a factor of distances of travel of said object relative to said path, means for adjusting said apparatus to integrate with reference to any set path, and continuously-operative automatic means for correcting the distance factor to compensate for variations in the coefficient of slippage of the propeller of said object.

1,741,714. MINING MACHINE. CHARLES R. HUGHES, Altoona, Pa. Filed Dec. 23, 1927. Serial No. 242,091. 2 Claims. (Cl. 262-28.)

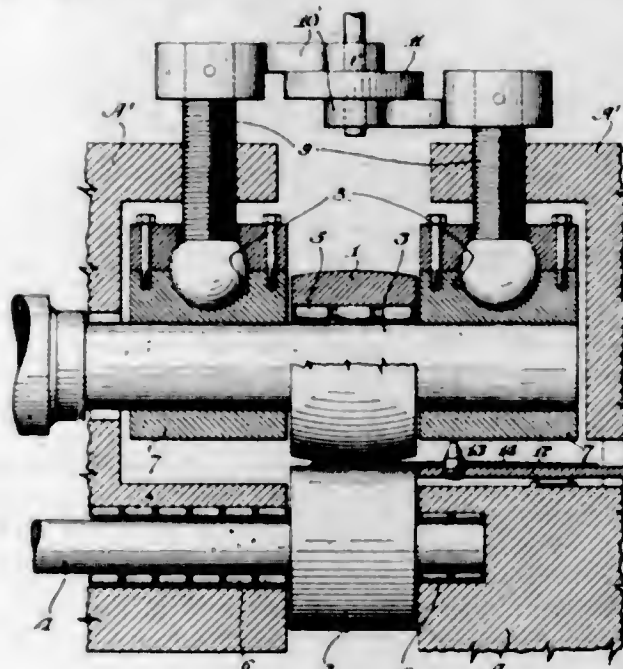
1. A mining machine including a cutting chain for producing a substantially vertical cut in a wall in the

path thereof, a track for said chain movable into the cut, superposed chains for producing cuts in said wall communicating with and extended at an angle to the vertical cut, superposed tracks for guiding said superposed chains and entering the cuts produced thereby, a wedging



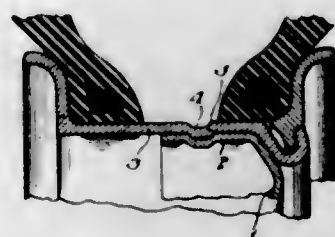
element connecting the superposed tracks and the first named track for entering the vertical cut and dislodging material between the vertical and superposed cuts, and laterally adjustable means for rigidly connecting the superposed tracks at a point remote from the vertical cut.

1,741,715. DISK-ROLLING MILL. JAMES W. HUGHES, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 3, 1926. Serial No. 145,936. 4 Claims. (Cl. 80-16.)



1. A rolling mill for rolling disks comprising opposed rolls, supports for said rolls, and means for relatively moving said supports to cause relative lifting movements and separation and approach movements between said rolls in an automatic cycle, and a support for the work permitting rotation of the work under the action of the rolls.

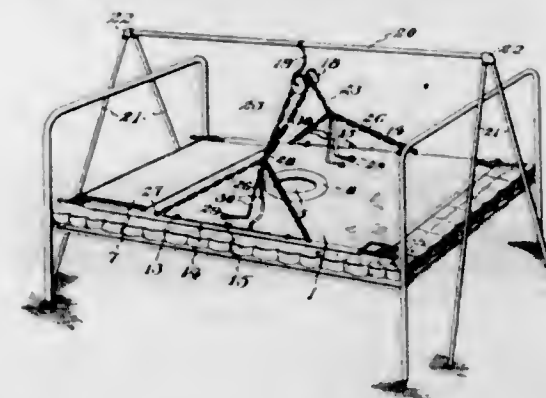
1,741,716. METHOD OF SECURING WHEEL DISKS TO RIMS. J. HAROLD HUNT, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 30, 1926. Serial No. 138,718. 1 Claim. (Cl. 301-63.)



A wheel structure comprising a disk having its outer annular portion flanged laterally to form a substantially

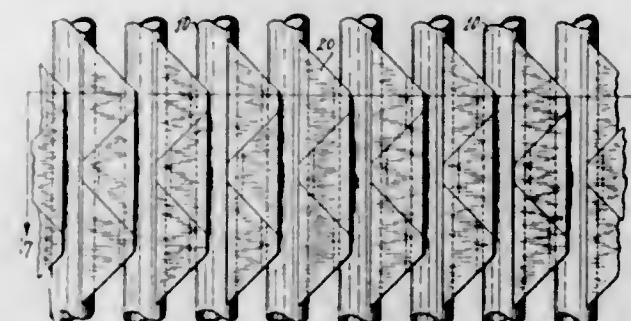
cylindrical seat, and a tire rim snugly fitted to said seat, the metal of said rim and seat being embossed inwardly at a plurality of points to form an interlock therebetween, the said seat being relatively wide as compared with its embossed portions, and the embossed portions being separated from the edge of the seat by a relatively wide margin.

1,741,717. INVALID'S COT. PHILINDA HUNTER, Marion, Ill. Filed Oct. 13, 1927. Serial No. 225,994. 2 Claims. (Cl. 5-85.)



1. A device of the character described comprising a foldable frame including end bars and side bars removably connected therewith, the side bars each including an intermediate section and end sections pivoted thereto, a sheet having pockets along its margins to receive said side and end bars, releasable means to prevent folding of the side bars, a seat to be disposed beneath the sheet and intermediate sections of the side bars, and a hoist engageable with an overhead support and releasably engageable with the seat and end sections of the side bars.

1,741,718. FURNACE WALL AND BAFFLE. DAVID S. JACOBUS, Montclair, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Nov. 27, 1925. Serial No. 71,517. 5 Claims. (Cl. 110-98.)

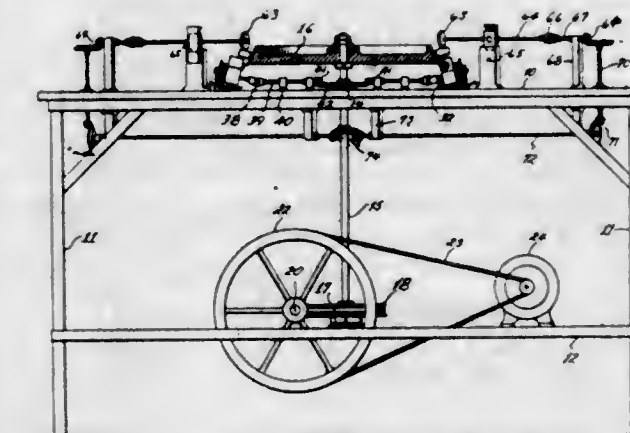


1. A baffle comprising two adjacent tubes substantially parallel to each other and a plurality of blocks disposed between said tubes, each of said blocks having oppositely disposed cylindrical surfaces adapted to engage said tubes, oppositely disposed faces extending between said cylindrical surfaces and forming parts of the opposite faces of the baffle, and two edge surfaces extending between said cylindrical surfaces and adapted to contact with corresponding edge surfaces on adjacent blocks in the baffle, each of said two edge surfaces forming an acute angle with one of said cylindrical surfaces and an obtuse angle with the other.

1,741,719. MACHINE FOR ASSEMBLING FUSES. CHESTER A. JOHNSON, Chicago, Ill., assignor to Jefferson Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1924. Serial No. 746,931. 11 Claims. (Cl. 91-51.)

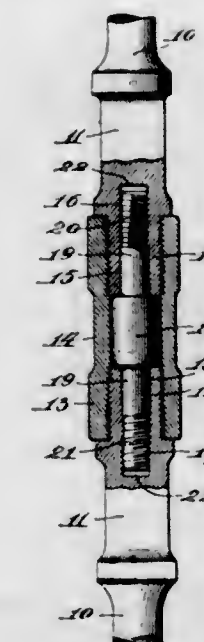
1. A fuse assembling machine having, in combination, a support, a carrier disk mounted thereon for rotation about

a vertical axis, a plurality of pins mounted in the periphery of said disk to support the fuse casings, a pair of glue applying mechanisms mounted on said support at spaced points around said carrier disk and adapted to apply glue



respectively to opposite ends of the fuse casings, friction rollers one mounted over each glue applying mechanism to successively rotate said fuse casings during both glue applying operations, and means for rotating said carrier disk and said friction rollers.

1,741,720. SUCKER-ROD-JOINT LOCK. SAMUEL L. JOLLEY, Norwalk, Conn. Filed Mar. 7, 1927. Serial No. 173,473. 2 Claims. (Cl. 287-117.)

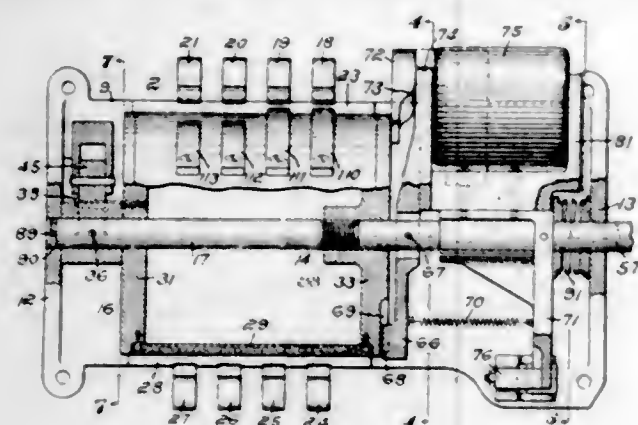


1. The combination with a pair of sucker rod sections provided at their ends with the usual threaded pins and said pins being provided with axially disposed bores, that extend into the ends of the sucker rods beyond the pins thereon, the inner portions of which bores are threaded, of a joint member arranged between the ends of the pins on said rods, stems projecting axially from the body of said joint member, the diameter of which stems is substantially less than the diameter of the body of said joint member to form abrupt shoulders that engage the ends of the threaded pins on the sucker rod sections when the joint is assembled, the outer portions only of which stems being threaded for engagement in the threaded portions of said bores and a coupling member and enclosing the body of said locking member and with its ends screw-threaded on the threaded pins that project from the ends of the rod sections.

1,741,721. MOTOR-CONTROLLING DEVICE. CHARLES R. KELTY, Milton, Mass. Filed Dec. 14, 1925. Serial No. 75,174. 15 Claims. (Cl. 200-8.)

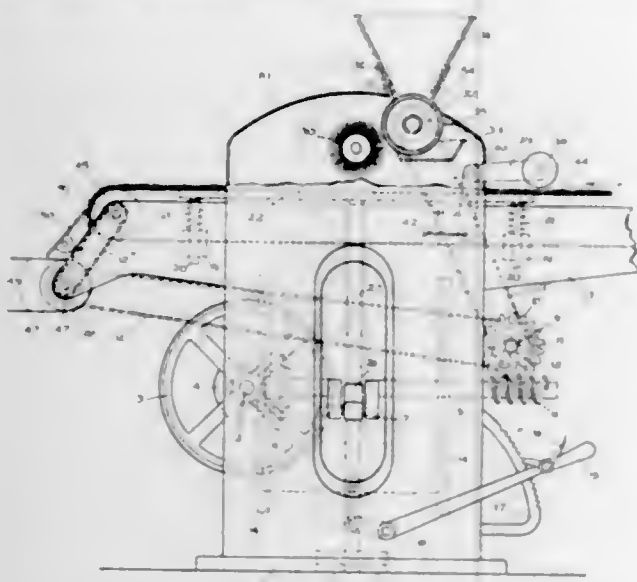
1. In a device of the character described, relatively stationary and movable switch members, manual actuat-

ing means for the movable switch member, electro-magnetic means for maintaining operative connection between



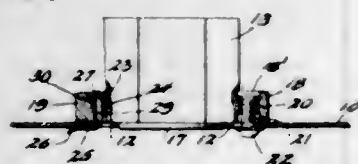
said movable switch member and said actuating means and means to hold said actuating means in several positions.

1,741,722. METHOD OF AND APPARATUS FOR MECHANICALLY TREATING OBJECTS. OTTO KREMMING, Hamersleben, near Oschersleben, Germany. Filed Jan. 13, 1928, Serial No. 246,531, and in Germany Dec. 10, 1925. 2 Claims. (Cl. 91-3.)



2. A process for coating the surfaces of baked articles, confectionery, and the like, consisting in the simultaneous steps of applying the coating to both sides of the articles by the bristles of rotating brushes passing tangentially against the surface to be treated and reciprocating the bristles and surface relatively to each other in paths parallel to the axis of rotation.

1,741,723. SIGN RECEPTACLE. DANIEL M. LE FEVER, Syracuse, N. Y., assignor to Pass & Seymour, Incorporated, Syracuse, N. Y., a Corporation of New York. Filed Dec. 30, 1926. Serial No. 158,040. 7 Claims. (Cl. 173-339.)

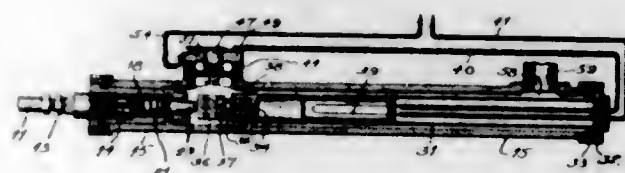


1. In an electric lamp receptacle, in combination, a body of insulating material having a face adapted to abut the back of a sign plate, said body having a hole therein opening into said face and a member having a head in engagement with said face, and a resilient extensible shank secured in said hole.

1,741,724. PROCESS OF CANNING CORN. MARY EDITH LOWES, Williamsburg, Pa. Filed Apr. 15, 1927. Serial No. 184,188. 6 Claims. (Cl. 99-8.)

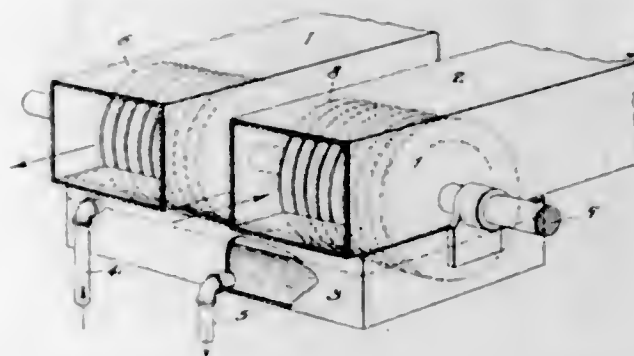
3. A process of canning corn which consists in steaming the corn until cooked, placing the corn and a suitable quantity of hot milk in a can, and sterilizing the same by heat at a temperature and for a length of time such that browning of the milk does not occur.

1,741,725. APPARATUS FOR UTILIZING FLUID FUELS. WILLIAM C. McKEOWN, Baltimore, Md. Filed Jan. 25, 1927. Serial No. 163,356. 17 Claims. (Cl. 158-424.)



1. The combination with a source of fluid fuel, of means for burning said fuel, and flow regulating means interposed between said source and burning means comprising a valve biased in a closing direction, a heat expandible member arranged in operative relation to said valve, means for applying heat to said member to expand the same and open said valve, and means for regulating the application of heat to said member controlled by the pressure on the exhaust side of said valve.

1,741,726. AIR-CONDITIONING APPARATUS. THOMAS E. MURRAY, Brooklyn, N. Y.; Joseph Bradley Murray, Thomas E. Murray, Jr., and John F. Murray executors of said Thomas E. Murray, deceased. Filed Feb. 10, 1926. Serial No. 87,231. 6 Claims. (Cl. 257-6.)

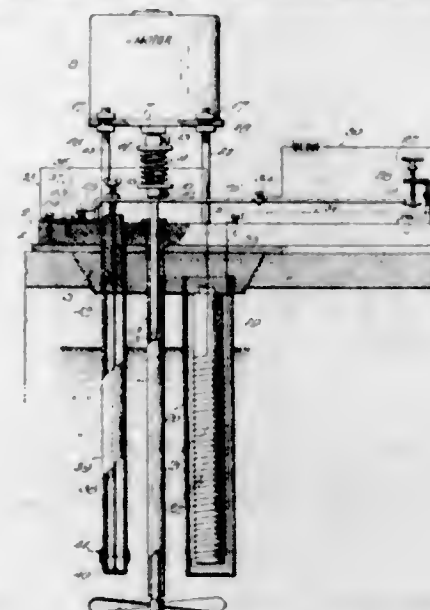


6. An apparatus of the character described comprising a liquid-containing receptacle, conduits for different gases, one of which is heated, a set of rotating discs partly in one of said conduits and partly in the liquid for transmitting heat from the heated gas to the liquid, and a second set of rotating discs partly in the second conduit and partly in the liquid for transmitting heat from the liquid to the second gas.

1,741,727. SPIRITS-AGING APPARATUS. JESSE R. NAYLOR, Portland, Oreg. Filed Aug. 31, 1927. Serial No. 216,725. 7 Claims. (Cl. 219-38.)

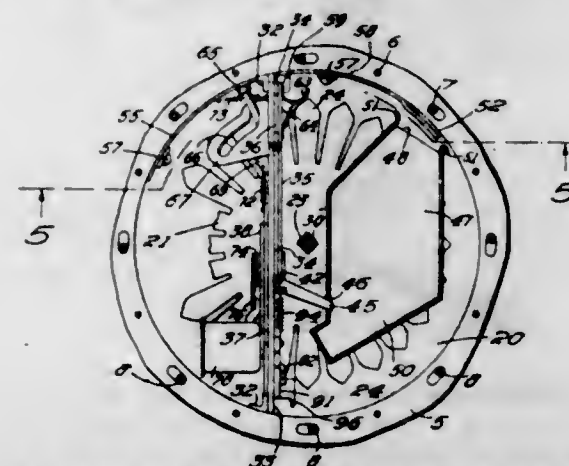
1. In a spirits aging apparatus, a support forming a head for closing the open end of a liquid container, an electric heater depending from said support for heating the liquid in the container, a switch device on the upper

surface of the support for controlling the supply of current to the heater, and a thermostat including an ex-



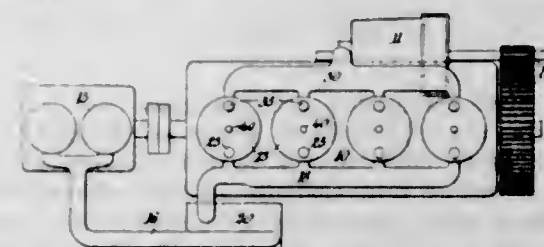
pansible and contractible rod extending through the support with its upper end operatively engaging the switch device for controlling the latter.

1,741,728. PACKAGE-VENDING MACHINE. STEFFEN P. NEMETH, Chicago, Ill., assignor to Louis J. Loenneke and Herman Bock, Copartners, doing business as Edmanson-Bock Catering Company, Chicago, Ill. Filed Feb. 6, 1928. Serial No. 252,274. 3 Claims. (Cl. 312-97.1.)



1. In a package vending machine, a perforated drum, a package delivery chute carried thereby, a frame receiving said drum, a rotary multiple package carrier surrounding said drum and comprising a plurality of pockets arranged peripherally of said drum, package delivery mechanism connecting said drum and package carrier whereby said pockets may be selectively disposed contiguous to said drum perforation, a sliding door normally closing said drum perforation, and guards for said sliding door at the receiving mouth of said delivery chute.

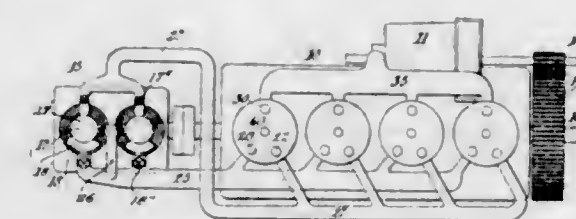
1,741,729. POWER PLANT. EARLE R. NEWTON, New York, N. Y., assignor to Curtis Gas Engine Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 27, 1923. Serial No. 615,286. 9 Claims. (Cl. 60-13.)



2. In a combination power plant comprising a 4-stroke cycle internal combustion engine and secondary expansion

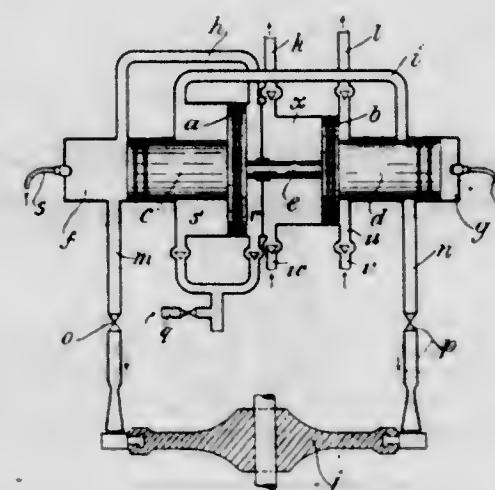
apparatus, means for operating said engine on a cycle comprising a suction stroke, a compression stroke, an expansion stroke and an exhaust stroke, means for driving out by the return movement of the pistons of said engine, on their exhaust strokes the main exhaust gas, and, by pre-compressed air the residual exhaust gas from the clearance space at the end of said exhaust strokes, means for transferring said main exhaust gas and said residual exhaust gas to said secondary apparatus at approximately the same pressure, and means for so admitting precompressed air that the pressures within said cylinders are maintained substantially above atmospheric pressure throughout the cycle and the supply pressure to the turbine is maintained approximately constant and substantially above atmospheric pressure.

1,741,730. POWER PLANT. EARLE R. NEWTON, New York, N. Y., assignor to Curtis Gas Engine Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 3, 1923. Serial No. 616,859. 4 Claims. (Cl. 60-13.)



1. A power plant having in combination a four stroke cycle reciprocating internal combustion engine, and a secondary expansion apparatus, and comprising means for charging the engine cylinders with precompressed air to a pressure substantially above atmospheric pressure; means for transferring the exhaust gas from said engine to said secondary expansion apparatus at an approximately constant pressure substantially above atmospheric pressure, and means for driving out or scavenging with precompressed air at a pressure substantially above that of the charging air the residual exhaust gas from the clearance space of said cylinders into said secondary expansion apparatus whereby the energy in the exhaust gas and in the residual exhaust gas is utilized by expansion in said secondary expansion apparatus.

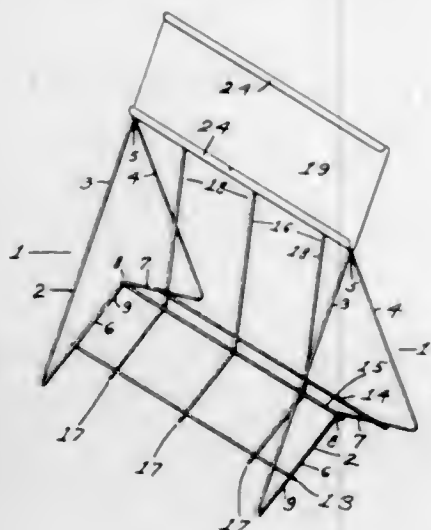
1,741,731. COMPRESSOR DRIVEN BY INTERNAL-COMBUSTION ENGINES. TOM KNUF ARVED NORDENSON, Glasgow, Scotland. Filed Aug. 16, 1926. Serial No. 129,607, and in Germany Aug. 19, 1925. 4 Claims. (Cl. 230-56.)



1. A compressor comprising, in combination a double acting internal combustion engine; two separate compressor chambers, one serving for compression of a gas for combustion and the other serving for compression of

gaseous matter for other purposes and two compression pistons, one in each of said chambers, said pistons being connected with the internal combustion engine so as to give a compression stroke in each compression chamber for each stroke of said internal combustion engine.

1,741,732. VENDING AND DISPLAY RACK. BRODIE C. OVERTON, St. Louis, Mo. Filed Feb. 2, 1928. Serial No. 251,207. 5 Claims. (Cl. 211-59.)

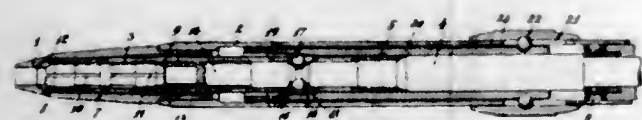


1. A device of the character described comprising a frame formed of wire to provide a prong in one plane and a pair of parallel guide portions in an intersecting plane, and a plate having curled-over edges adapted to form grooves to receive said parallel guide portions.

1,741,733. ALLOY. JOHN V. O. PALM, Cleveland Heights, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 30, 1926. Serial No. 138,812. 2 Claims. (Cl. 75-1.)

1. A bearing alloy consisting of 70 to 75 per cent of lead, approximately 5 per cent copper, 12 per cent tin, 4 per cent mercury and 4 to 8 per cent of antimony.

1,741,734. DEVICE FOR TIGHTLY CLAMPING TOOLS IN HANDPIECES. WILHELM PANNWITZ, Berlin-Copenick, Germany, assignor to Deutsche Gold- und Silber-Scheideanstalt, Frankfurt-on-the-Main, Germany. Filed Feb. 9, 1928. Serial No. 233,161, and in Germany Feb. 19, 1927. 3 Claims. (Cl. 32-15.)

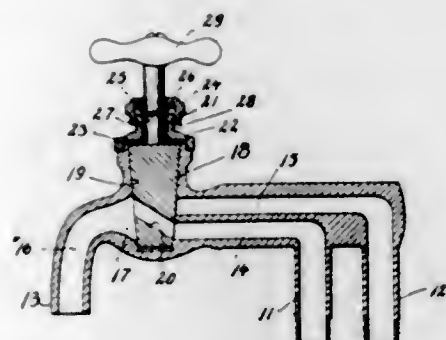


1. In a clamping device for hand pieces, a clamping sleeve, an axially movable clamping member acting on said clamping sleeve, balls acting on said clamping member, and means to move said balls towards the axis of the hand piece whereby said clamping member is moved axially.

1,741,735. VALVE. JOSEPH BLAIR POWERS, New Castle, Ohio. Filed July 5, 1928. Serial No. 290,332. 4 Claims. (Cl. 251-112.)

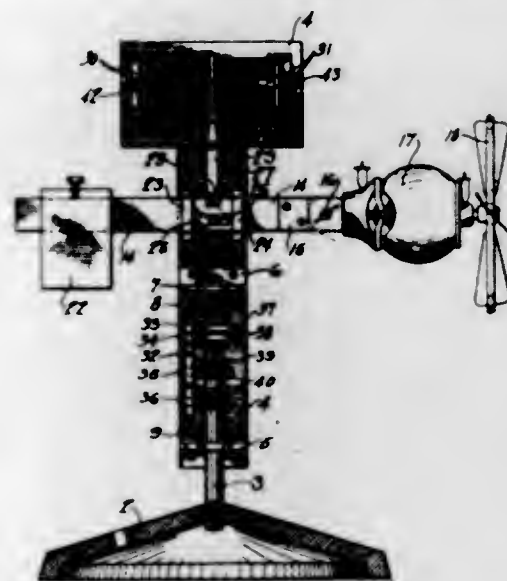
1. A valve device of the class described comprising a valve casing, a valve member seated therein, a stem for

said valve, a cap connected to the casing through which said stem projects, a spring for holding the valve member



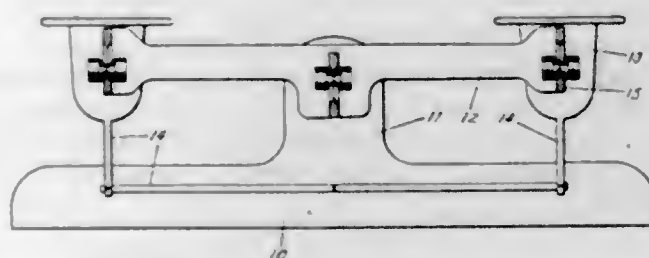
seated, and means on the cap and surrounding the stem and spring for adjustably holding the spring whereby to transmit pressure to the valve member through the stem.

1,741,736. ELECTRIC FAN. RODNEY G. RICHARDSON, Chicago, Ill. Filed Sept. 30, 1920. Serial No. 413,779. Renewed Nov. 18, 1926. 24 Claims. (Cl. 230-257.)



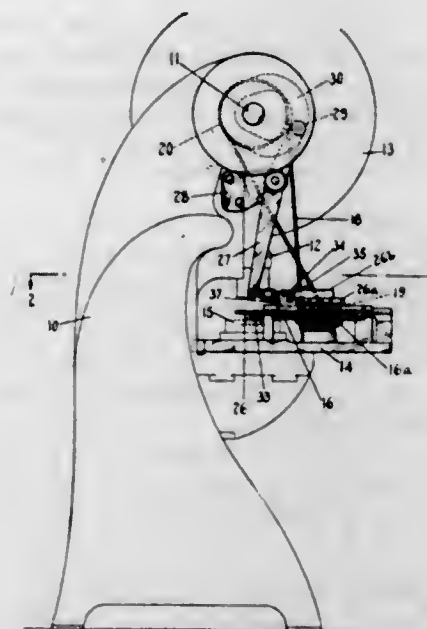
1. In combination, an electric fan, and means for rotating the fan in a horizontal plane by means of a gyroscopic couple, said means comprising suitable supporting axes positioned at right angles to each other and to the shaft of the fan motor, and means for producing a condition of unbalance about a particular one of said axes.

1,741,737. PIVOT AND BEARING. HARRY S. RING, Chicago, Ill. Filed Nov. 20, 1925. Serial No. 70,295. 5 Claims. (Cl. 308-2.)



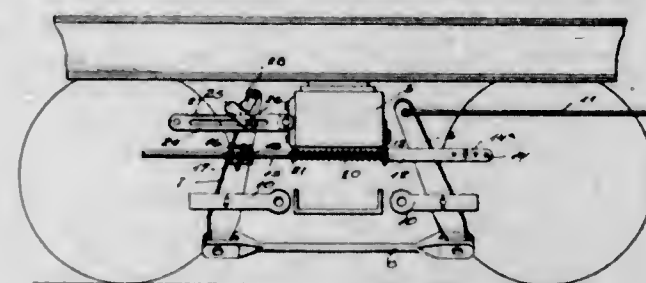
5. In a pivot connection, a flat member having an aperture therein, the side walls of which are shaped to form a circular knife edge, and a bearing having a curved groove confronting said aperture so that said knife edge rests therein, said bearing being rotatable and said flat member being reversible so that the knife edge and bearing are relatively adjustable to each other to change the point of contact therebetween.

1,741,738. FEEDING DEVICE. HUGH M. ROSS, Richmond Hill, N. Y., assignor to Adriance Machine Works, Inc., Brooklyn, N. Y., a Corporation of New York. Filed June 8, 1928. Serial No. 283,911. 14 Claims. (Cl. 271-8.)



1. In a punch press, a rotating table, a chute overlying said table, a slide having a socket to receive a blank from said chute, means for reciprocating said slide and means for applying pressure to a blank in said socket upon forward movement of said slide.

1,741,739. SLACK ADJUSTER. WILLIAM H. SAUVAGE, New York, N. Y., assignor, by mesne assignments, to Gould Coupler Company, New York, N. Y. Filed Feb. 9, 1925. Serial No. 7,958. 6 Claims. (Cl. 188-200.)

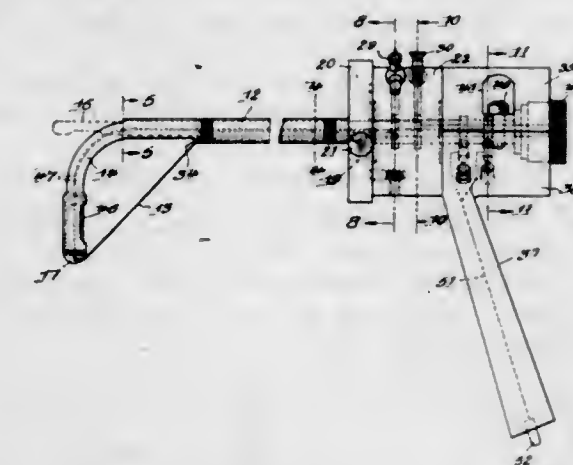


1. In a truck, in combination, live and dead levers, an actuating member connected to the live lever and means for connecting the upper end of the dead lever to the truck, temporary take up and holding means below said connecting means joining the upper parts of the live and dead levers and adapted to be actuated on excess travel, resilient means tending to retain said holding means to normal position, and permanent take up and holding means associated with the connecting means for said dead lever.

1,741,740. URETHRO-CYSTOSCOPIC INSTRUMENT. JOHN E. SEDERHOLM and FREDERIC E. B. FOLEY, St. Paul, Minn. Filed Mar. 19, 1928. Serial No. 262,711. 9 Claims. (Cl. 128-7.)

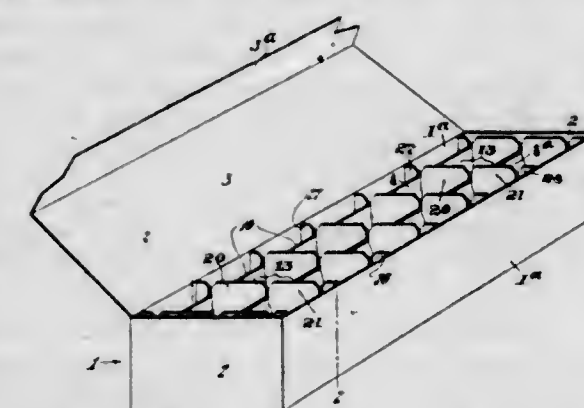
1. A urethro-cystoscopic instrument comprising a support for a cutting element adapted to be inserted through

the urethra of a patient, a cutting element disposed near the distal end of said support to project laterally there-



from within the bladder of a patient and means for rotating said element for excising in one piece a conoidal portion of the prostate gland.

1,741,741. FILLER FOR CARTONS OR OTHER CONTAINERS. FRANCIS H. SHERMAN, Palmer, Mass. Filed Sept. 11, 1929. Serial No. 391,852. 15 Claims. (Cl. 229-28.)



1. A filler or article carrier adapted for reception in a carton, wrapper or other container, comprising upright members, upright cross-pieces interengaged with said members and forming therewith a plurality of cells in one or more rows, and cell side and bottom portions hung on said upright members and cross-pieces, the whole forming a collapsible but self-supporting cellular tray-like device to partition and hold articles for use, and for transportation or sale in a carton or other container.

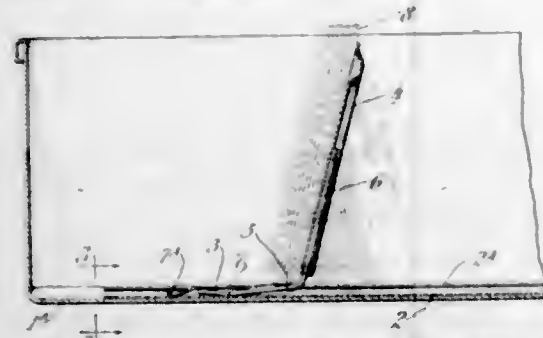
1,741,742. CONDIMENT SHAKER. SAMUEL SKOTNIK, Bronx, N. Y. Filed June 11, 1927. Serial No. 198,087. 2 Claims. (Cl. 65-57.)



1. A condiment shaker comprising a receptacle having a neck portion, a detachable cap on said neck consisting of a cylindrical body portion and a concavo-convex inner wall provided with a central opening and a plurality of perforations therearound, an inwardly extending flange formed on the upper edge of said body portion, a ball

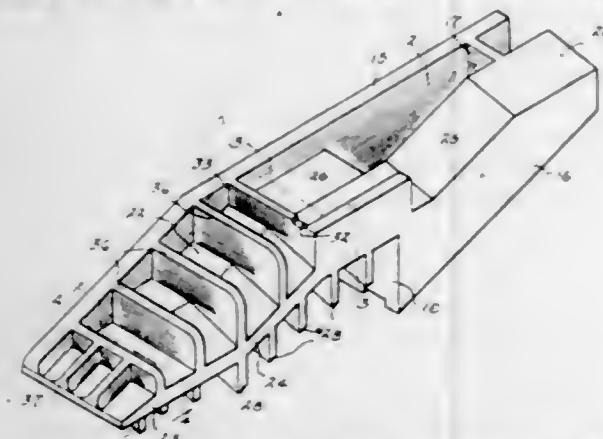
seated on said flange, a stem secured to said ball and passing loosely through said central opening to the interior of the receptacle, and concavo-convex fingers fixed to the inner end of said stem and being adapted to rotatably engage the concavo surface of said inner wall when the ball is removed from its seat, said ball and inner concavo-convex wall being so disposed relatively that a space is provided therebetween.

1,741,743. FOLLOWER FOR CARD TRAYS. FREDERICK L. G. STRAUBEL, Green Bay, Wis., assignor to The Automatic File & Index Co., Green Bay, Wis., a Corporation of Wisconsin. Filed Sept. 6, 1928. Serial No. 304,298. 11 Claims. (Cl. 129-31.)



4. A card index drawer having a guideway extending longitudinally of the drawer, and a follower having at its lower end a portion slidably guided in the guideway; the guideway being formed to permit limited rocking of the said guided portion in a plane longitudinal of the drawer, and a flat spring fast upon and projecting from the follower longitudinally of the drawer, the spring having a forward portion normally engaging a guideway portion; the spring being formed so that it normally rocks the follower rearwardly to cause the lower rear edge of the slidably guided portion to engage the bottom of the guideway, thereby latching the follower against rearward sliding.

1,741,744. PROTECTED GRATE BLOCK FOR STOKERS. IRVING ALBERT TAYLOR, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed July 9, 1924. Serial No. 724,902. 10 Claims. (Cl. 110-44.)



1. A grate block for a stoker comprising a substantially horizontal web, one end of which has spaced transverse ribs on its upper side arranged to catch ashes and hold the same in position against the action of the fuel moving across the ribs lengthwise of the block and thereby form a heat insulating layer, and walls cooperating with the web to form an air channel, said air channel serving when the blocks are piled with other blocks in a step-like formation to admit air to the fuel bed supported thereon.

1,741,745. TILE SLAB. GEORGE K. THOMPSON, Summit, N. J. Filed Apr. 28, 1926. Serial No. 105,084. 1 Claim. (Cl. 94-12.)

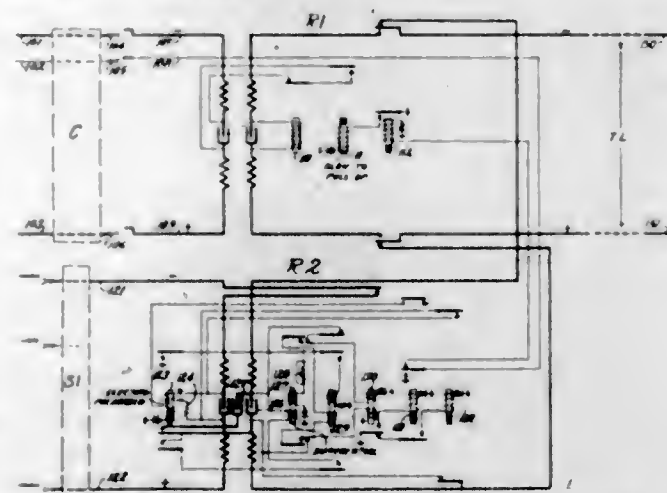
As an improved article of manufacture, a flat, composition molded slab comprising in combination, a base

composed of a soft metal such as antimony, and a plurality of tiles embedded within the metal base in such a manner that the top surfaces of the tiles are exposed and level with the metal of the base, surrounding the tiles,



and the bottom surfaces of the tiles are uniformly and completely covered by the metal composing the base, the bottom portion of the base being relatively heavy when compared with the portions of said base positioned between the tiles.

1,741,746. TELEPHONE SYSTEM. JOHN H. VOSS, Berwyn, and CLARENCE E. LOMAX, Oak Park, Ill., assignors to Reserve Holding Company, Kansas City, Mo., a Corporation of Delaware. Filed Dec. 3, 1928. Serial No. 323,426. 5 Claims. (Cl. 179-27.)



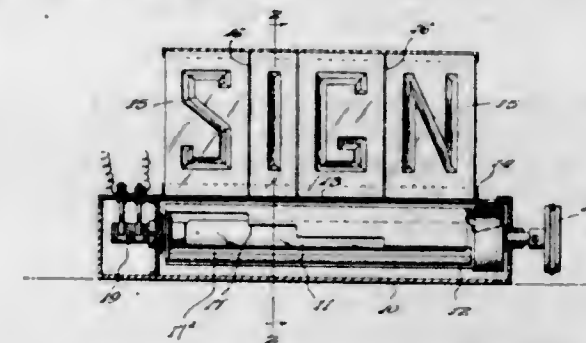
1. In a telephone system, a trunk line extending from a first exchange to a second exchange and accessible to connector switches in the first exchange, said trunk line being divided into two inductively coupled sections, circuit arrangements associated with said connector switch for supplying ringing current to the first section of said trunk line, means responsive to the seizure of said trunk line by said connector switch for setting up current flow over the trunk line, means at the distant end of the trunk line for signaling a called party, and means effective when the called party responds for stopping the current flow over the second section of the trunk line, and means responsive thereto for closing a ringing trip bridged across the first section of said trunk line.

1,741,747. PROCESS OF MAKING SHOES. PEARL J. WENTWORTH, Fort Thomas, Ky. Filed Nov. 18, 1926. Serial No. 149,234. 1 Claim. (Cl. 12-142.)



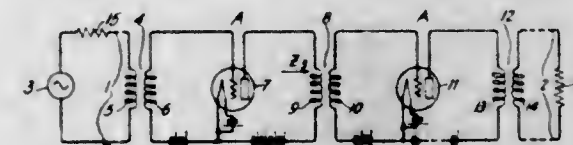
The method of securing a wooden heel to a shoe consisting in providing the top side of the heel with a socket marginally within and of the heel outline, open to the heel breast side, securing the heel portion of an outer sole of full sole thickness to the inner sole and lashed edges of the upper by a row of tacks set in a line corresponding to the outline of the heel portion of the shoe, trimming the heel portion of the outer sole about said line of tacks to an outline corresponding to the socket and to the heel portion of the upper, and engaging and securing said heel portion of the outer sole into said heel socket.

1,741,748. ILLUMINATED SIGN. HARRY F. WHITE, Fresno, Calif. Filed Apr. 12, 1927. Serial No. 183,167. 1 Claim. (Cl. 40-130.)



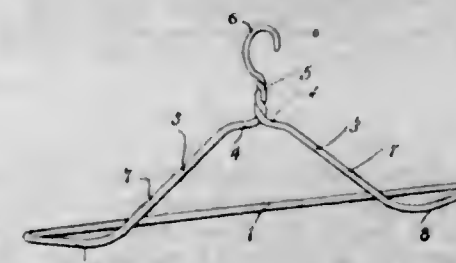
An illuminated sign comprising a hollow housing adapted to rest upon a support, the upper portion of said housing being formed with a longitudinally extending slot, longitudinally extending flanges carried by said housing and projecting upwardly therefrom in spaced relation to opposite sides of the slot, transparent sign bearing elements above said housing having their lower portion fitting between said flanges and resting upon the housing in covering relation to the slot, opaque strips disposed between said elements, a support in said housing extending transversely in spaced relation to one end, a lamp socket journaled in said support axially of the housing, a lamp carried by said socket and extending longitudinally of the housing, a drum extending longitudinally in said housing and disposed about said lamp with one end engaged with said socket and rotatable about the same, a shaft extending from the other end of said drum and journaled in the adjacent end of the housing and projecting outwardly therefrom, and turning means carried by the outer end of said shaft, the drum having a slot formed longitudinally therein and provided with a stepped marginal edge whereby as the drum rotates light may pass therefrom and upwardly through the slot in the housing to successively illuminate the sign bearing elements.

1,741,749. TRANSMISSION CIRCUITS. HORACE WHITE, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1927. Serial No. 222,438. 16 Claims. (Cl. 178-44.)



1. In an electric discharge amplifier having an input circuit and an output circuit, means in said output circuit for making the capacity of said input circuit a minimum at substantially the upper limit of a wide band of frequencies to be amplified.

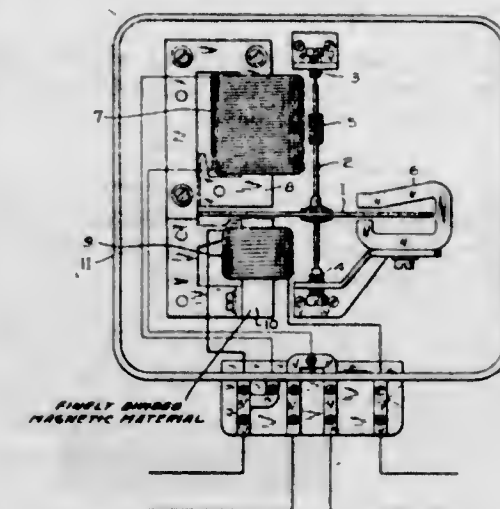
1,741,750. COAT HANGER. GEORGE WORDINGHAM, Milwaukee, Wis. Filed Oct. 11, 1927. Serial No. 225,476. 2 Claims. (Cl. 223-64.)



1. A coat hanger comprising a strand bent intermediate its length to provide a spreader bar and portions curved

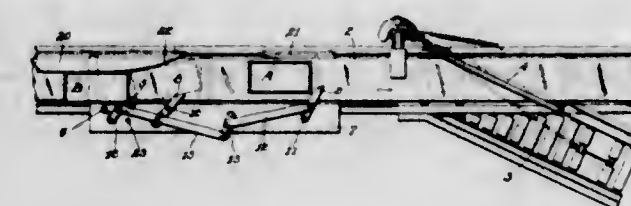
upwardly from its ends, and arms for engaging beneath and supporting shoulder portions of a coat, said arms converging upwardly from the said curved portions and intersecting at their upper ends, the end portions of the strand being joined and bent to provide suspending means extending upwardly from the intersecting upper ends of said arms, said arms being bent intermediate their ends to provide upper and lower portions located on one side of a plane containing the spreader bar and supporting means and extending at an incline and intersecting intermediate the ends of the arms.

1,741,751. METER AND MAGNET CORE. JULIUS ZIGER, Zug, Switzerland, assignor to Landis & Gyr A.-G., a Joint Stock Company of Switzerland. Filed May 19, 1928. Serial No. 279,164. and in Switzerland May 19, 1927. 6 Claims. (Cl. 171-264.)



2. In an induction meter a driving magnet core comprising pulverulent iron and a cohering agent.

1,741,752. SPACING MECHANISM FOR CONVEYER SYSTEMS. ROBERT AMORY, Milton, Mass., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Mar. 22, 1922. Serial No. 545,703. 12 Claims. (Cl. 198-34.)

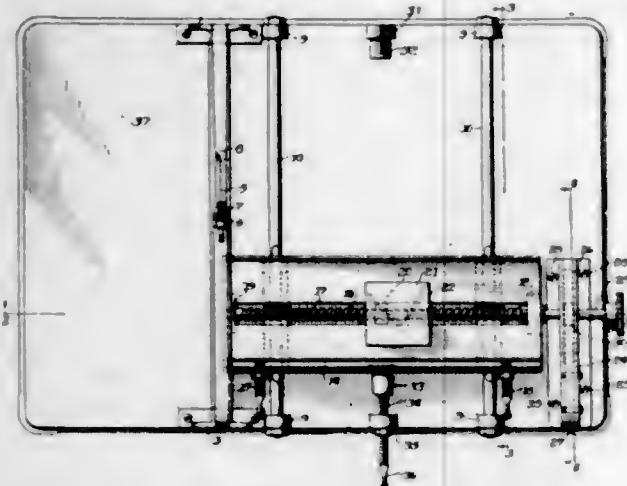


1. In a conveyer system, the combination of a substantially horizontal conveyer for transporting a series of carriers, a stop for arresting the movement of said carriers, carrier actuated means operable by a moving carrier, and positive connections for transmitting movement of the carrier actuated means to the stop for moving the stop into and out of its carrier arresting position.

1,741,753. CHEESE-CUTTING MACHINE. MICHAEL LUDWIG ABE, Chicago, Ill. Filed July 21, 1928. Serial No. 294,523. 2 Claims. (Cl. 31-20.)

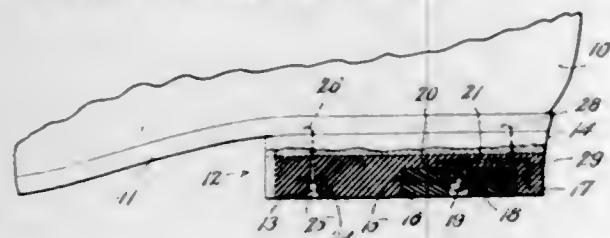
2. In a machine of the class described, a base table, a vertically inclined cutting wire extending upwards from the said table, a trough to hold a block of material to be cut, guideways on the said table adapted to support and guide the said trough in a reciprocating movement across the location of the said cutting wire, a screw threaded shaft mounted in the said trough to feed the material through the trough, a ratchet on the said screw

shaft and a pawl block to engage the said ratchet and revolve the same as the said ratchet is moved along the



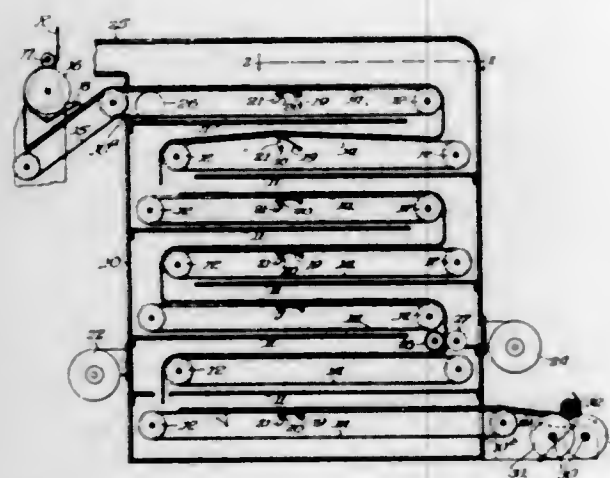
said pawl the said pawl being provided with a plurality of teeth for movement of the said ratchet as the latter travels along the length of the pawl.

1,741,754. HEEL FOR BOOTS AND SHOES. EDWARD B. BISHOP, Haverhill, Mass. Filed Mar. 22, 1928. Serial No. 263,829. 4 Claims. (Cl. 36-35.)



1. A boot or shoe heel comprising a body member formed upon its tread side near the rear thereof with a pocket that is separated from the adjacent periphery of said body member by a relatively thin wall that is part of the latter; a heel-section mounted within said pocket and adjustable therein to compensate for wear thereof, and metallic means embedded within said relatively thin wall to reinforce the latter.

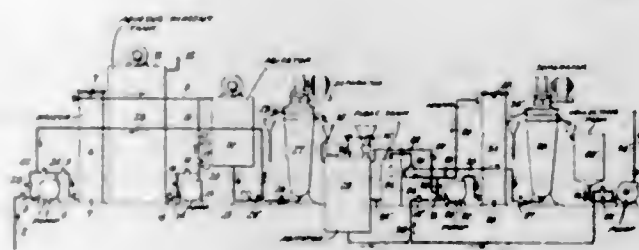
1,741,755. RUG-DRYING MACHINE. STEPHEN CHASE, 4th, Chicago, and BENJAMIN S. PFEIFFER, Winnetka, Ill., assignors, by direct and mesne assignments, to Chase Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 15, 1926. Serial No. 81,372. 8 Claims. (Cl. 34-12.)



1. Rug drying apparatus comprising, in combination, a casing subdivided into compartments one above another, said compartments communicating serially at opposite ends, separate conveyors in juxtaposed compartments oper-

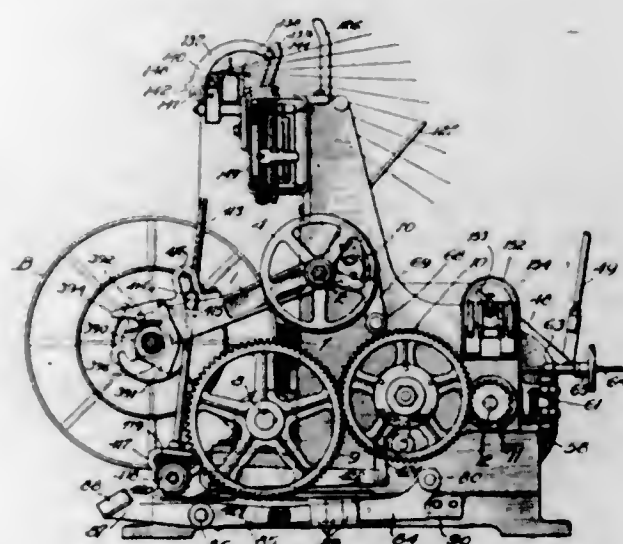
ating in opposite directions, said conveyors comprising spaced-apart strands for supporting and transmitting a rug in outspread position, and means for introducing heated air into the casing on opposite sides of the path traveled by a rug in its course through the casing.

1,741,756. OIL-PURIFYING APPARATUS. LEE H. CLARK, Rosemont, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed May 12, 1925. Serial No. 29,781. 11 Claims. (Cl. 196-16.)



1. Apparatus for the purification of used oil comprising a tank, means for supplying used oil to the tank, means for supplying aqueous alkaline reagent to the tank, means for agitating the mixture in the tank, means for heating the contents of the tank, a centrifugal separator for receiving heated and agitated mixture from the tank and adapted to separate oil from impurities and reagent and to discharge the oil separately from the impurities and reagent; a centrifugal clarifier adapted to receive oil discharged from the separator after removal of impurities and reagent therein and to remove from the oil impurities not removed therefrom in said separator, and means for conducting into said clarifier oil discharged from said separator.

1,741,757. WARPING METHOD AND METHOD OF WARPING YARN. HOWARD D. COLMAN, Rockford, Ill., assignor to Edgar S. Nethercut, Evanston, Ill. Filed Feb. 9, 1921. Serial No. 443,541. 37 Claims. (Cl. 28-38.)

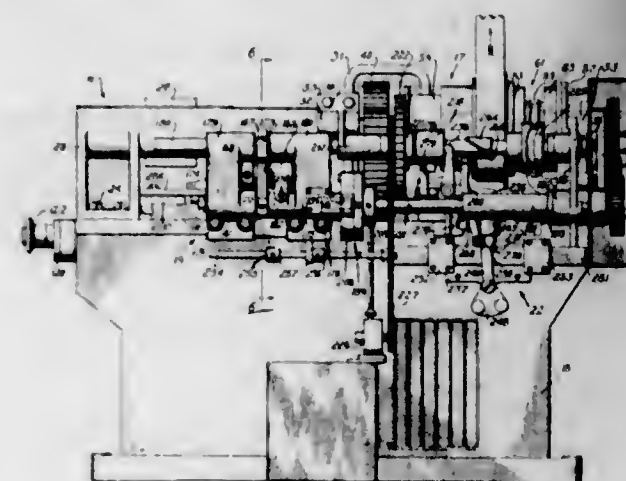


1. A high speed warper having, in combination, a friction drum, two pivoted arms to support a beam upon the drum, means to rotate the drum, said means including a friction clutch and a spring to actuate the clutch, and means actuated by pivotal movement of one of said arms for automatically controlling the force exerted by the spring.

1,741,758. DRY-OFFSET-PRINTING PROCESS. VALENTIN DIETZ, Frankfort-on-the-Main, Germany, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 16, 1927. Serial No. 293,779, and in Germany Jan. 20, 1927. 14 Claims. (Cl. 101-149.)

2. A printing process consisting in providing a blank directly on a plate by means of a fatty ink and then treating said plate with a solution of a material selected from the group consisting of metallic nitrates and metallic sulphates and finally applying a fatty ink containing material selected from said group.

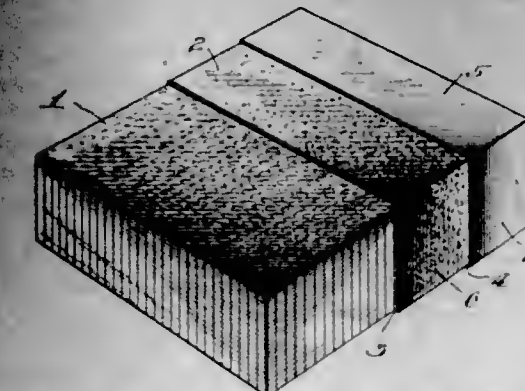
1,741,759. METHOD OF AND MACHINE FOR RELIEVING CUTTERS. JOHN EUGAN, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed May 4, 1927. Serial No. 188,844. 13 Claims. (Cl. 82-19.)



1. A machine for forming and relieving a work blank having generally longitudinal gasches and a spiral thread comprising, in combination, a power element, a main drive shaft, a reversible clutch for connecting said power element to said shaft, a work spindle for supporting the blank, means connecting said shaft to said spindle for rotating the blank, a cutting tool having a predetermined contour adapted to cut the desired tooth shape, means operatively connected to said main drive shaft for feeding said cutting tool along said work blank to generate the desired thread groove, means controlled by the feeding movement of said cutting tool for automatically reversing said clutch to reverse the rotation of the blank and the feed of said tool at predetermined points in said feeding movement, means for reciprocating said tool laterally of the blank and in timed relation to the rotation thereof to relieve each tooth of the thread during one stroke of the feeding movement, and means controlled by said feeding movement for separating the blank and said tool during the other stroke of said feeding movement.

12. A method of forming and relieving rotary cutters having generally longitudinal gasches and a spiral thread comprising rotating the work blank, reciprocating the cutting tool longitudinally of the blank in a continuous cutting stroke and in timed relation to the rotation thereof to generate the thread, reciprocating the cutting tool laterally of the blank in timed relation to the rotation thereof to relieve each tooth of the thread during the cutting stroke, laterally separating the blank and the tool at the end of the cutting stroke, reversing the direction of rotation of the blank and the direction of feed of the cutting tool to return the cutting tool in a free return stroke to its initial position, and reversing the direction of rotation of the blank and the feed of the cutting tool, and simultaneously returning the cutting tool into operative position for another cut at the end of the free return stroke.

INSULATING BUILDING MATERIAL AND METHOD OF MAKING THE SAME. ARMIN ELMEN, Chicago, Ill. Filed May 31, 1927. Serial No. 293,780, and in Germany Jan. 20, 1927. Renewed May 31, 1929. 14 Claims. (Cl. 72-14.)

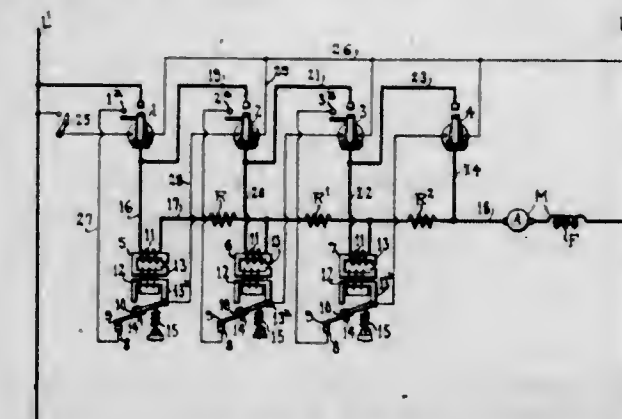


10. A building block comprising a compacted fibrous mass having the fibres arranged parallel with each other and cut off at the ends to form flat faces on the block, and a cement covering for the faces containing the ends of the fibres.

1,741,761. QUININE COMPOUND AND PROCESS OF MAKING THE SAME. WILLIAM H. ENGELS, Rahway, N. J., assignor to Merck & Co., New York, N. Y., a Corporation of New York. Filed Nov. 8, 1923. Serial No. 673,460. 6 Claims. (Cl. 260-26.)

3. The process of making quinine bisalicylo-salicylate which consists in bringing together in aqueous solution an acid quinine salt and a soluble salt of salicylo-salicylic acid and maintaining the temperature below about 25° C. during the reaction.

1,741,762. MOTOR CONTROLLER. CLARENCE T. EVANS, Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis., a Corporation of Delaware. Original application filed Apr. 22, 1921, Serial No. 463,668. Divided and this application filed Jan. 17, 1927. Serial No. 161,596. 8 Claims. (Cl. 172-288.)

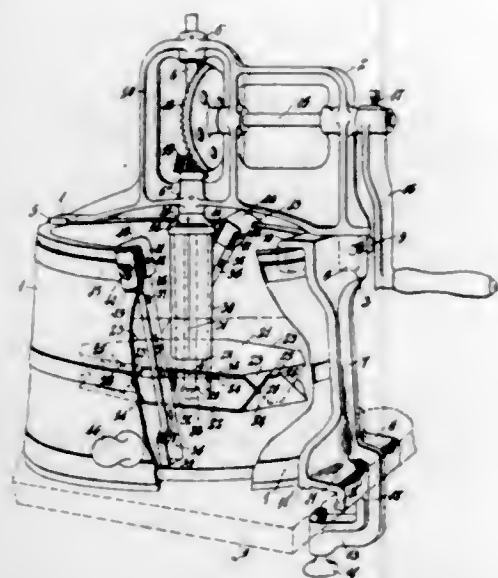


8. The combination with an electric motor, of resistance in circuit therewith, an electro-responsive switch to exclude said resistance, and a control relay for said switch having a winding to be subjected to motor current, a short-circuited winding arranged in an inductive relation with the former winding and a contact actuating element subjected to the magnetic pull of said short circuited winding only.

1,741,763. APPARATUS FOR OPERATING UPON COMPOSITE SUBSTANCES. ALPHEUS FAY, Louisville, Ky. Filed Dec. 8, 1927. Serial No. 238,670. 5 Claims. (Cl. 259-96.)

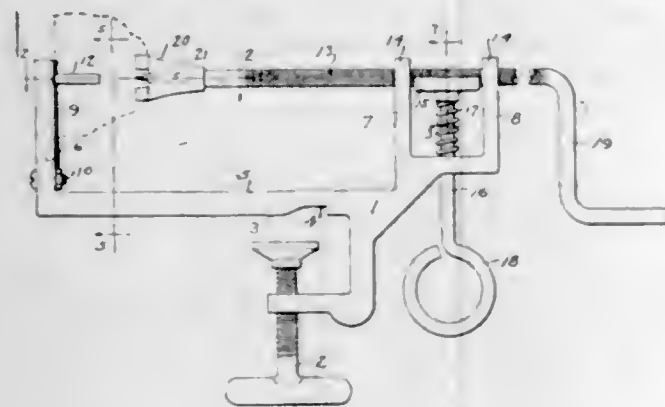
1. In apparatus for operating upon composite substances, in combination with a vessel, a bracket comprising a main part extending across the top of the vessel and forming supporting and bearing means for the operating mechanism of the apparatus, means detachably secured to one end of said main part, having a channel fitting over the rim

of the vessel, means on said vessel across from said channel, having an upwardly opening channel formation, said main part of the bracket having a part fitting in said channel formation, and the means that has the channel over the rim of the vessel extending down outside said



vessel and having a shoulder near the bottom of the vessel to bear on top of suitable supporting means for the apparatus, and having clamping means spaced down from and extending under this shoulder, under said vessel, to bear up against the bottom of the supporting means.

1,741,764. POTATO SLICER OR THE LIKE. CHARLES J. FROMHLE, Dayton, Ohio. Filed May 31, 1928. Serial No. 281,649. 2 Claims. (Cl. 146-166.)

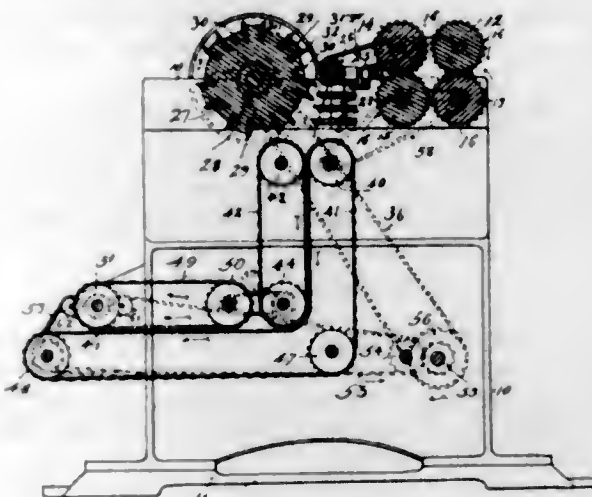


1. A vegetable slicer including a slicer blade, opposite smooth bearings, a threaded stem operable rotatably and slidably in said bearings, having a member at the inner end thereof for supporting a vegetable, a threaded spring tensioned bearing between the smooth bearings operably connected with said stem for effecting a rotatable and axial feeding movement of said stem for moving the vegetable relative to the slicer blade, and a slidable finger piece connected to the bearing for disengaging the same from said stem for permitting sliding of the stem in its inverse axial movement.

1,741,765. FIBER-CLEANING MACHINE. FREDERICK P. GARDNER, New York, N. Y., assignor to Fabricord Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 4, 1928. Serial No. 251,829. 7 Claims. (Cl. 19-26.)

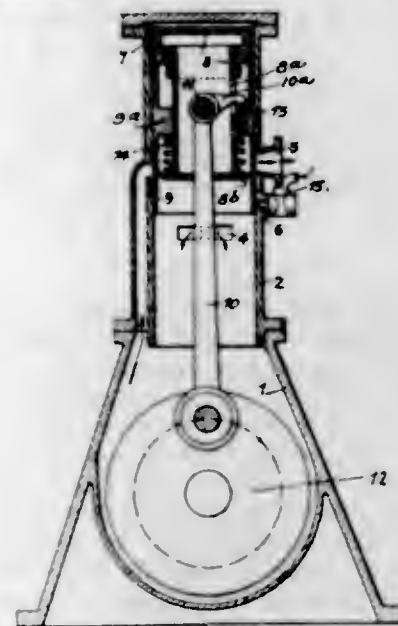
1. In a fiber cleaning machine, a plurality of fixed blades over which fiber yielding plants are adapted to be bent and broken, in combination with a plurality of striker blades, means for moving said striker blades

in fixed paths to successively pass in front of said fixed blades for breaking the woody core out of said fiber, a



conveyor for receiving and carrying the fiber, and means co-acting with said fiber receiving and carrying conveyor for scouring said fiber as it is carried on said conveyor.

1,741,766. HIGH-SPEED INTERNAL-COMBUSTION ENGINE WITH SELF-IGNITION. FRITZ GÖCKERELL, Munich, Germany, assignor to one-half to Gerhard Max Wolff, Rodewisch, Germany. Filed Dec. 9, 1926, Serial No. 153,608, and in Germany Oct. 24, 1925. 1 Claim. (Cl. 123-66.)

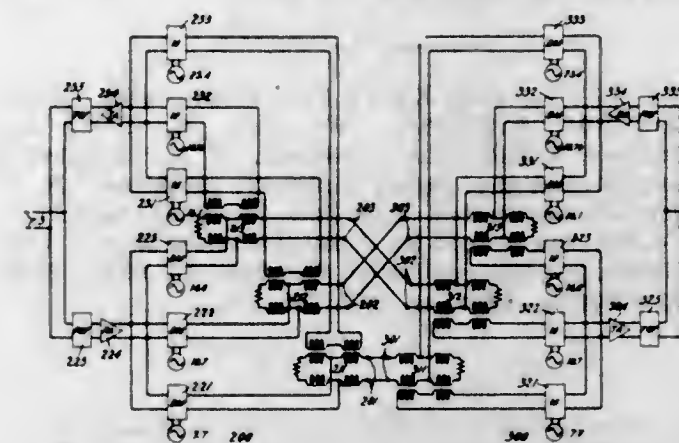


A high-speed self-igniting combustion engine comprising a cylinder, a two-part piston consisting of an outer and an inner member both shiftable relatively to each other and forming between them in certain positions of the engine a circumferential groove intermediate said members adapted to receive and convey liquid fuel; a connecting rod hinged to said inner piston member, and a projection extending forth from the upper end of said rod towards said outer piston member and controlling the relative shifting of said two members; a fuel supply channel provided on said cylinder for establishing communication with said groove when said piston is practically in its lowermost position, and means for conveying the fuel carried upwards by said piston into the cylinder space above the piston when this has arrived practically in its uppermost position.

1,741,767. CARRIER-CURRENT SIGNALING SYSTEM. CHARLES W. GREEN, Milburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed June 22, 1927. Serial No. 200,545. 5 Claims. (Cl. 179-15.)

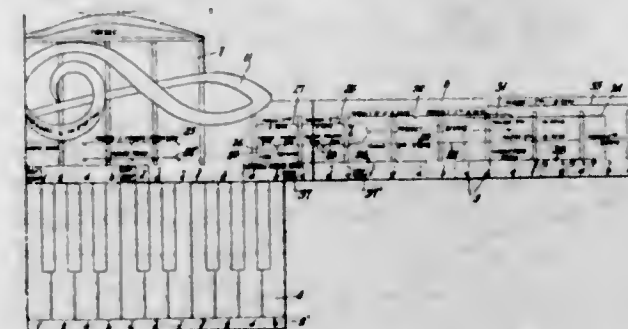
1. In a multiplex carrier signaling system comprising a line having such a characteristic as to distort waves

lying in one portion of the frequency spectrum, and means for transmitting waves over a plurality of channels, the method of limiting the distortion produced in any one channel, which comprises transposing the positions with respect to one another of at least a portion of said channels



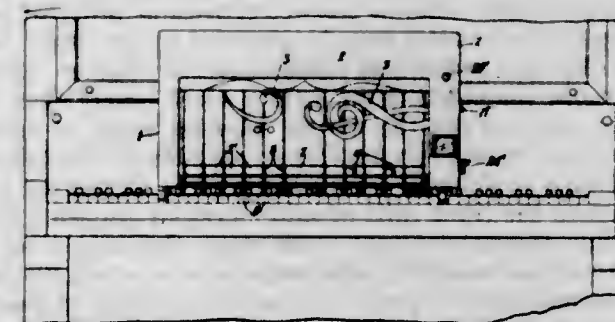
while keeping the relative positions of the frequencies in each channel the same at an intermediate point on said line so that no one channel will occupy the distorted portion of the frequency spectrum over more than a fraction of the line.

1,741,768. PIANO INSTRUCTION DEVICE. ADDY YEARGAIN HALL, New York, N. Y. Filed May 3, 1928. Serial No. 274,694. 6 Claims. (Cl. 84-471.)



4. A piano instruction device comprising a body portion of four sections extending the length of a piano, said body portion having a representation of the great staff thereon and the nomenclature of the keys in spaced relationship to indicate each key of the piano when said body portion is placed on the keyboard, means for indicating the keys of the piano in the chromatic scales, the natural minor scale and the whole tone scale, and a dummy keyboard foldably connected to said body portion to permit of said dummy keyboard being folded back to back of said body portion to permit the placing of said body portion upon the keyboard of a piano.

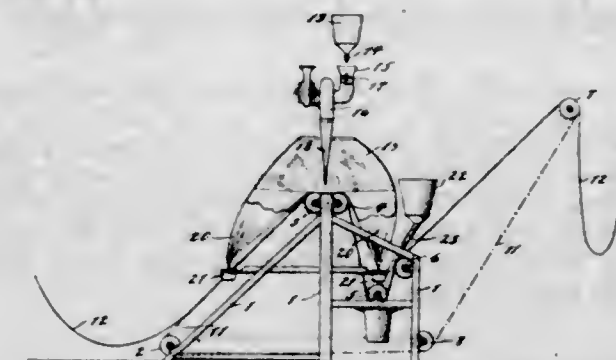
1,741,769. PIANO-INSTRUCTION DEVICE. ADDY YEARGAIN HALL, New York, N. Y. Filed Nov. 1, 1928. Serial No. 316,409. 5 Claims. (Cl. 84-478.)



5. A musical instruction device comprising a container positioned adjacent the keys of a piano, an opening in the face of said container, a roller in said container above and

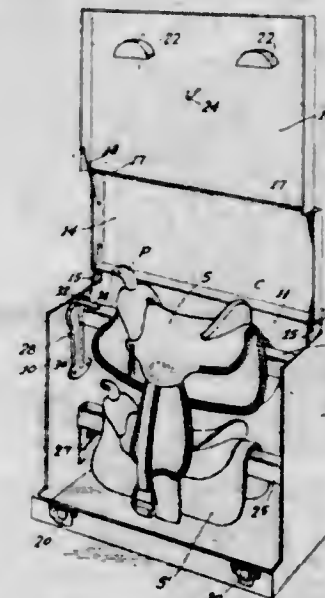
behind said openings, means for supporting said roller in said casing, a curtain on said roller, said curtain bearing the representation of the great staff thereon, openings in said curtain corresponding to the spacings of the great staff adjacent the free end of the curtain, an actuating roller supported in said container, a spring to rotate said actuating roller, a ratchet for said actuating roller and spring, double sprocket carried by said actuating roller, a pendulum cam supported in said container and adapted to vibrate between said sprockets to intermittently release said actuating roller to permit of intermittent rotation thereof, means for controlling the period of vibration of said pendulum cam, means for disengaging said pendulum cam and engaging said ratchet to permit of winding of said spring, an opening in said container to permit of adjustment of said pendulum cam, a roller bearing a roll having musical notes thereon, means for releasably securing said roll to said actuating roller, said notes adapted to appear in the openings in said curtain corresponding to their positions on the great staff, and means for rewinding said roller bearing said roll having musical notes thereon.

1,741,770. METHOD FOR DECORATING FLEXIBLE MATERIAL. CHARLES A. HANINGTON, Freeport, N. Y. Filed Jan. 16, 1926. Serial No. 81,660. 10 Claims. (Cl. 41-36.)



6. The method of decorating material which consists in placing designs on the material, forcing fine particles of a metallic nature onto the designs with sufficient force to partially imbed the particles in the material of the designs, removing the excess particles and then forcing beads onto the designs with sufficient force to partially imbed the beads in the design material.

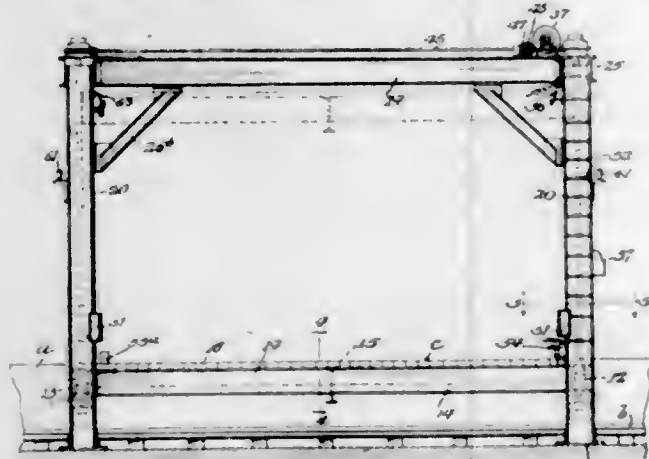
1,741,771. SHIPPING AND DISPLAY CASE FOR SADDLES. MARCO H. HELLMAN, Los Angeles, Calif. Filed Dec. 10, 1927. Serial No. 239,071. 5 Claims. (Cl. 206-44.)



1. A shipping and display case for saddles comprising a container, a plurality of saddle-supporting rails

mounted therein in superimposed relation, one of said rails being movable vertically with respect to the other, means to retain said one rail in elevated position, and a closure for said container to overlie the upper rail when in lowered position and adapted to retain a saddle on said upper rail when in such lowered position.

1,741,772. TRANSFER PLATFORM. LOUIS D. HOLMES and JOHN S. TOWNSEND, Harvey, Ill., assignors to Whitling Corporation, Harvey, Ill., a Corporation of Illinois. Filed Jan. 9, 1929. Serial No. 331,233. 18 Claims. (Cl. 104—30.)



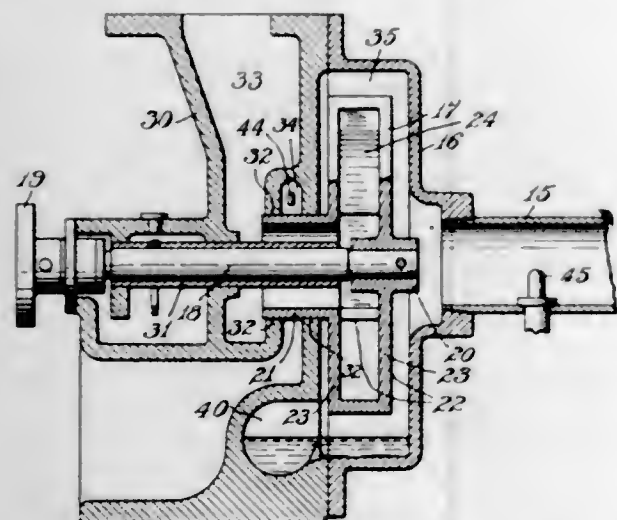
1. In mechanism of the class described, the combination of a set of columns, a structure rigidly connecting the tops of the columns, a vertically movable transfer platform between the columns, and raising and lowering mechanism comprising vertical screw shafts associated with the columns respectively, gearing coaxial with the screws and an electric motor, said gearing and motor being mounted above the platform.

1,741,773. BEVERAGE AND PROCESS OF PREPARING THE SAME. CARL HONIX, Chicago, Ill. Filed Aug. 21, 1925. Serial No. 51,629. 3 Claims. (Cl. 99—11.)

1. The process of preparing a beverage from maté leaves wherein the leaves are steeped in water to form an infusion, after which the infusion is freed from air, carbonated, and sealed in a closed container.

3. A new carbonated beverage comprising a sealed and de-aerated extract of maté.

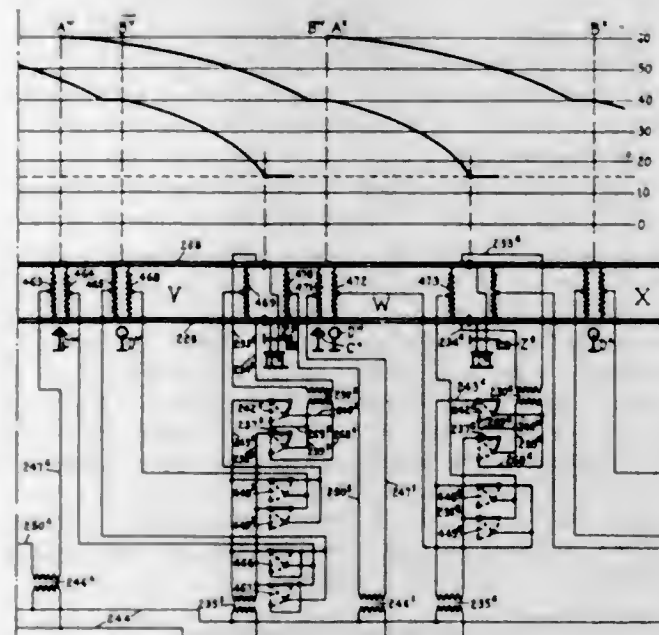
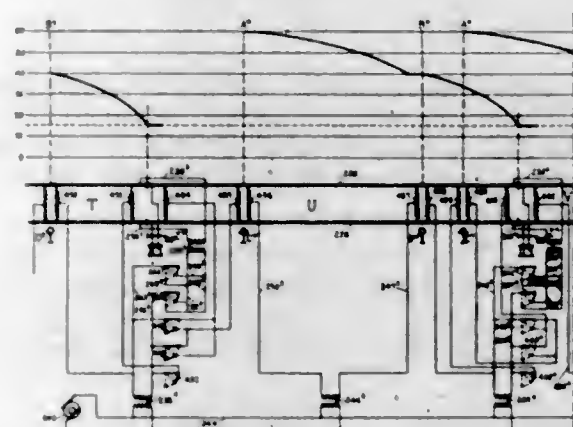
1,741,774. DUST SEPARATOR. CARL R. HOUGHTON, Connersville, Ind., assignor to The Connersville Blower Company, Inc., Connersville, Ind., a Corporation of Indiana. Filed Feb. 14, 1927. Serial No. 167,890. 7 Claims. (Cl. 183—77.)



1. A separator comprising a chambered casing having an inlet, an outlet, an exhaust passage adapted to be con-

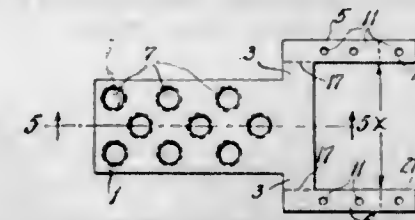
ected to an exhauster, and an independent liquid outlet, a hollow rotor mounted in the chamber and having a hollow hub extending through the wall of said chamber and connecting the exhaust passage with the interior of the rotor, said rotor having inlet openings connecting its interior with the chamber of the casing.

1,741,775. TRACKWAY APPARATUS FOR TRAIN-CONTROL SYSTEMS. WINTHROP K. HOWE and CHARLES S. BUSHNELL, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y. Original application filed July 26, 1923, Serial No. 653,898, now Patent No. 1,647,968, dated Nov. 1, 1927. Divided and this application filed Sept. 17, 1926. Serial No. 136,204. 4 Claims. (Cl. 246—34.)



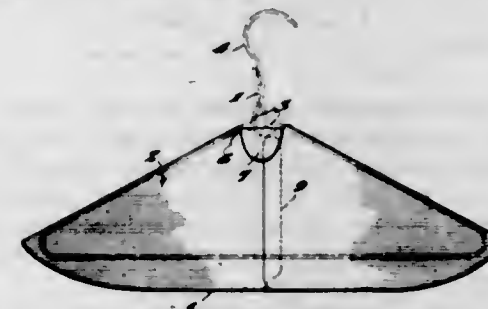
1. In an automatic train control system of the continuous inductive type in which currents of different controlling characteristics may be supplied to the track rails of the different portions of track to afford clear or caution indications, the combination with a block longer than the braking distance for the normal running speed of trains, of trackway means automatically controlled in accordance with traffic conditions for governing the supply of said currents to the track rails of said blocks to provide a clear indication throughout said block when the next block in advance is not occupied, said means acting when the next block in advance is occupied to provide a clear indication between the entrance end of said block and an intermediate point therein at said braking distance from the exit end of the block and a caution indication for an intermediate portion of said block in advance of said intermediate point.

1,741,776. ANCHOR. WILLIAM O. ISAACSON, Chicago, Ill. Filed Oct. 28, 1926. Serial No. 144,729. 3 Claims. (Cl. 72—101.)



2. An anchor of the class described comprising a holding plate, means thereon for gripping said plate between the blocks comprising the courses of a wall, sideward extensions joined to the plate and positioned substantially at right angles thereto, the extensions having extending arms adapted to engage a buck.

1,741,777. GARMENT-HANGER COVER. SAMUEL J. JOHNSON, Cincinnati, Ohio, assignor to The Seinsheimer Paper Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 13, 1928. Serial No. 299,168. 3 Claims. (Cl. 223—61.)

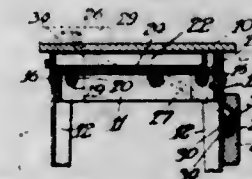


1. A pliable covering for commercial clothes hangers, comprising, a flat triangular shaped envelope of supple texture paper material having a full width open lower end and adapting the envelope to be slipped over the hanger and open at the apex for the projection of the hanger hook therethrough, and a lock flap formed integral with a side of the envelope adjacent the opening at the apex, said flap extending upwardly from the margin of the opening and folded on the line of juncture of the flap with the body of the envelope and against the face of the envelope and thereby adapted to be slipped under the hanger hook portion.

1,741,778. RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER. PAUL C. JONES, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 21, 1929. Serial No. 334,121. 17 Claims. (Cl. 18—50.)

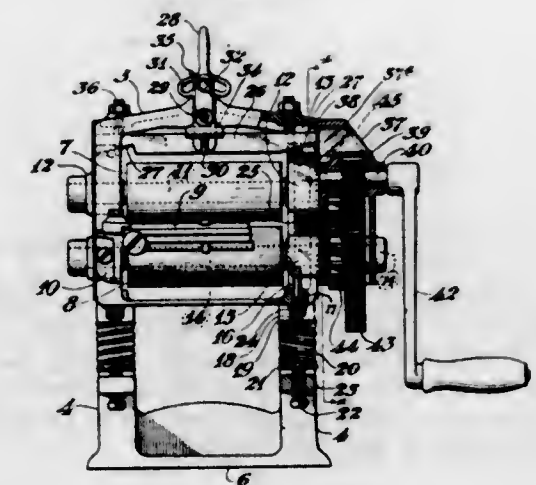
7. The method of preserving rubber which comprises incorporating tetraphenyl hydrazine into rubber before vulcanization.

1,741,779. TABLE. ELWOOD C. PHILLIPS, Evanston, Ill. Filed Aug. 31, 1927. Serial No. 216,524. 5 Claims. (Cl. 68—10.)



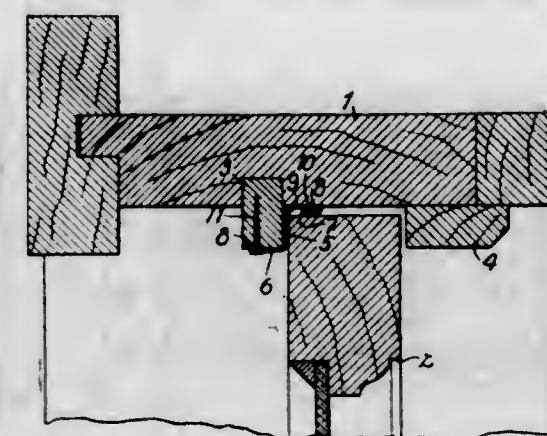
4. An ironing board attachment for a table comprising a substantially U-shaped ball, said ball comprising a cross bar to which the ironing board is pivotally and slidably attached and arms on the ball for pivotally mounting the ball to the sides of the table with freedom of swinging movement, said cross bar being offset with respect to the plane of said arms, and the arms being disposed at right angles to the projection of said cross bar on said plane.

1,741,780. CUTTING MACHINE. HARRY W. KRAG, St. Louis, Mo., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 3, 1927. Serial No. 158,573. 2 Claims. (Cl. 69—13.)



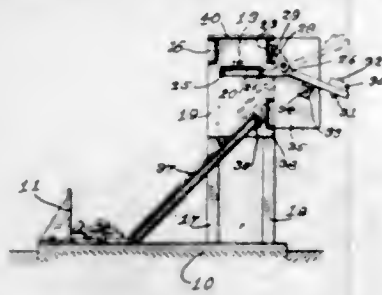
1. A skiving machine comprising a frame, a skiving knife, a pair of cooperating upper and lower feed rolls rotatably supported in said frame for feeding the work against said knife, said lower feed roll being arranged for vertical sliding movement towards and away from said upper feed roll, gearing for driving said upper and lower feed rolls, and a housing for said gearing mounted on and movable with said vertically movable lower feed roll, said gearing comprising a gear rotatably supported in said gear housing and meshing with a gear on said lower feed roll, and intermeshing gears on said pair of cooperating upper and lower feed rolls, said housing comprising inner and outer side walls having openings therein adapted to fit the lower feed roll, the inner wall of said housing having an opening therein adapted to receive the upper feed roll shaft and large enough to permit movement of the housing relative thereto.

1,741,781. METAL WEATHER STRIP. ALFRED M. LANE, St. Louis, Mo., assignor to General Weatherstrip Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 2, 1928. Serial No. 258,471. 8 Claims. (Cl. 20—69.)



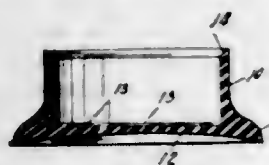
1. The combination of a frame and a closure therefor, of a resilient metal weatherstrip secured to said frame member adjacent to said closure, said weatherstrip having an oblique portion adapted to resiliently engage a corner of said closure and a longitudinally corrugated free marginal portion located between and resiliently engaging the opposing faces of said frame and said closure, respectively, along spaced lines.

1,741,782. METAL-HANDLING APPARATUS. GEORGE A. LA ROCQUE, Hartford, Conn. Filed July 19, 1927. Serial No. 206,972. 5 Claims. (Cl. 198—43.)



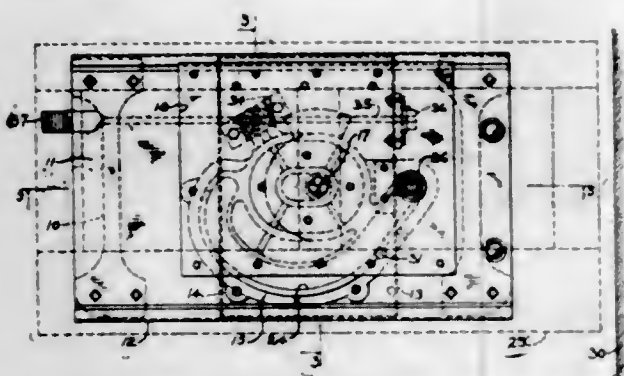
1. In a billet handling machine, a supporting frame, a conveyor for delivering metal billets thereto in a longitudinal direction, a tipping plate pivoted in said frame and adapted to automatically tilt downwardly under the weight of said billets, and means for causing the billets dropping from said plate when it has tilted to move laterally onto a receiving platform, said tipping plate being in alignment with said conveyor.

1,741,783. SPONGE CUP. MELVIN S. LOWER, Barberton, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a Corporation of Ohio. Filed Feb. 15, 1928. Serial No. 254,387. 1 Claim. (Cl. 91—54.4.)



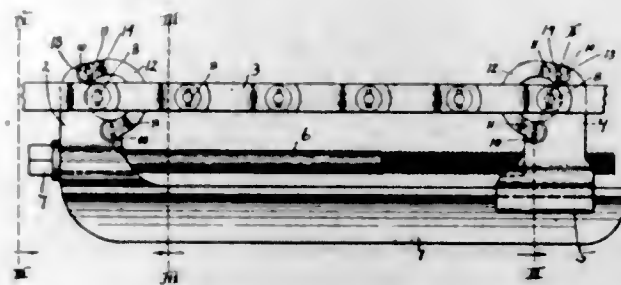
A light sponge cup of resilient, vulcanized rubber and adapted to removably receive a sponge and formed with an outwardly flared bottom portion, the outside bottom surface of which is concave and the flared portion of which is highly flexible whereby when it is pressed onto a surface the air is forced out of the concavity and the cup retained on said surface by atmospheric pressure, the inside bottom surface of said cup having protuberances which retain a quantity of water in the cup, and the upper edge of said cup being inwardly beveled.

1,741,784. CAR-SEAT-REVERSING MECHANISM. JOHN H. LUCAS, Milwaukee, Wis., assignor to The Milwaukee Electric Railway & Light Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 23, 1927. Serial No. 170,310. 10 Claims. (Cl. 155—96.)



10. A car seat reversing mechanism, comprising a pedestal member and a movable seat-carrying member slidably bearing thereon, one of said members having a pivot-receiving slot, a pivot carried by the other of said members and extending into said slot, cam means operative upon the relative rotation of said members for relatively displacing said pivot out of normal position in said slot during the swinging of said seat-carrying member, and means for retaining said pivot in said displaced position during the swinging of said seat-carrying member.

1,741,785. CHAIN TIGHTENER. CHARLES W. LYNCH, Perry, Okla., assignor to Williams Iron Works Company, Incorporated, Tonkawa, Okla. Filed Oct. 28, 1927. Serial No. 229,480. 2 Claims. (Cl. 254—87.)

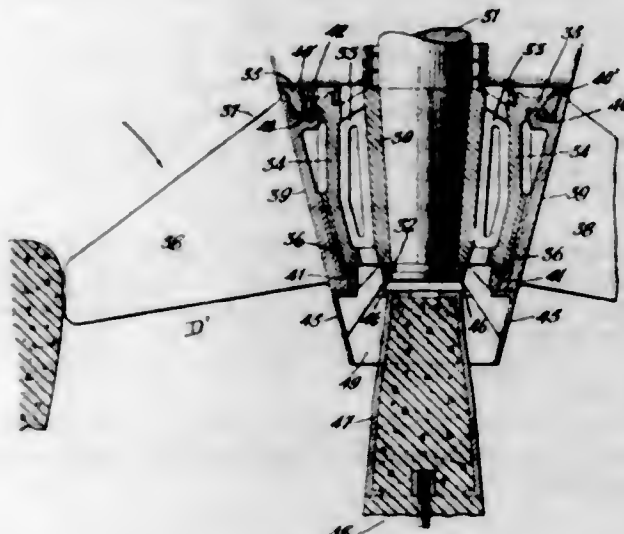


1. In combination with a jaw for chain tighteners of a semi-circular link having detachable engagement with said jaw.

1,741,786. PROCESS OF PREPARING MEDICINES. ISRAEL MAGAT, Berlin, Germany, assignor to Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft, Berlin, Germany. Filed Sept. 1, 1925. Serial No. 53,945, and in Germany Oct. 23, 1924. 4 Claims. (Cl. 167—58.)

1. The herein described process of preparing a medicine for promoting the regenerative and synthetic processes in human and animal organisms, which process consists in forming an emulsion of lecithine and glycerine and adding thereto sodium chloride, potassium chloride and calcium chloride in sufficient quantities to precipitate the lecithine.

1,741,787. RUNNER FOR TURBINES. LEWIS FERRY MOODY, Philadelphia, Pa. Filed Apr. 15, 1922. Serial No. 553,294. 24 Claims. (Cl. 253—148.)

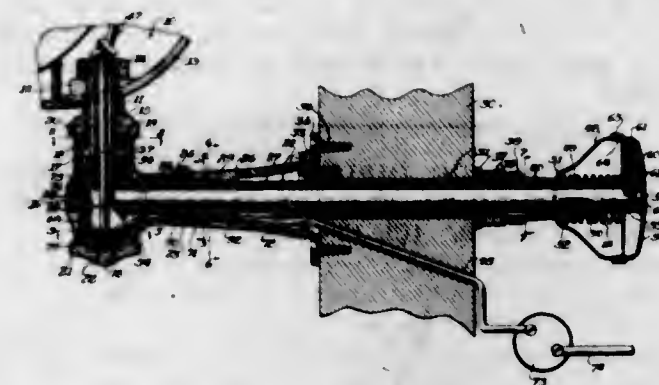


1. In a runner for a turbine or pump the combination with a central hub portion, of a plurality of separable vane sections mounted thereon and having vanes extending diagonally outward, said vane sections having meeting edges extending in an inclined direction around the hub surface to form the outer peripheral portion thereof.

1,741,788. SPOTLIGHT. WALTER W. MORC, Kenosha, Wis. Filed Dec. 20, 1926. Serial No. 155,782. 6 Claims. (Cl. 240—61.)

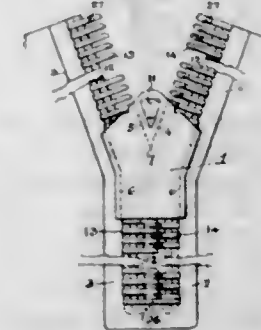
1. In a device of the class described, the combination of stationary mounting means, an operating sleeve extending through said mounting means, a casing mounted on the forward end of said sleeve for rotary adjustment about the axis of said sleeve, a stem rotatably mounted

in said casing, a lamp mounted on said stem, an operating shaft extending through said sleeve into said casing, gear means in said casing operatively connecting said shaft to said stem, a knob section splined to said sleeve, a second knob section rigidly secured to said shaft, said



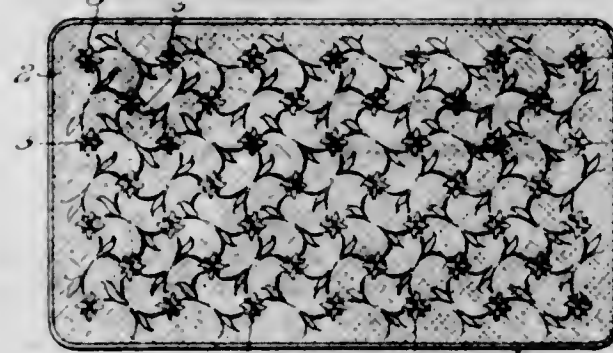
sections having clutch elements adapted to connect said sections for simultaneous rotary motion, spring means tending to separate said clutch elements, and friction means for holding said parts in different positions of adjustments.

1,741,789. SEPARABLE FASTENER. WILLIAM D. PEIFFER and OREN D. HARRIS, Mishawaka, Ind., assignors of one-third to N. S. Amstutz, Valparaiso, Ind. Filed June 16, 1926. Serial No. 116,267. 8 Claims. (Cl. 24—205.)



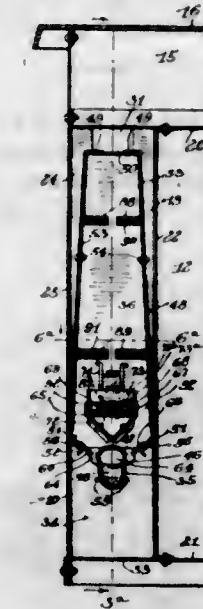
1. In separable fasteners, an edged fabric or body, a plurality of reinforcing cords therein, and a plurality of fasteners attached to the edge in spaced apart relation by means of a plurality of gripping teeth overlapping the reinforcing cords and engaging both faces of the edged fabric.

1,741,790. TUFTED MATTRESS. LOUIS E. PITTONI, Jamaica, N. Y., assignor to The Rome Company, Inc., a Corporation of New York. Filed May 17, 1928. Serial No. 278,612. 2 Claims. (Cl. 5—355.)



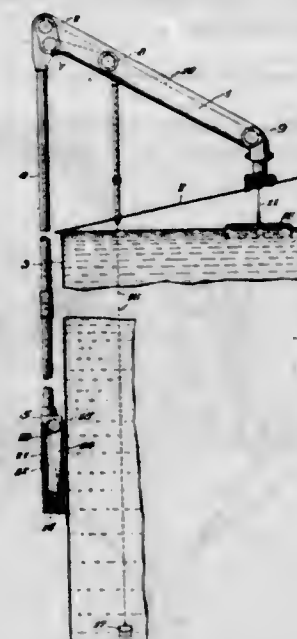
1. A mattress having on top a cover containing a design parts of which are adapted to be accentuated when the cover is depressed in the areas of such parts, and tufting means extending through the mattress in such areas and serving to hold portions of said areas depressed.

1,741,791. COOKING STOVE. MAURUS C. RECK, Rochester, N. Y., assignor to Sterling Range and Furnace Corporation, a Corporation of New York. Filed June 24, 1926. Serial No. 118,154. 6 Claims. (Cl. 126—41.)



1. A broiling oven for receiving and supporting a grid or the like, said oven comprising vertically disposed front, rear, and side walls and having an outlet for the products of combustion, the side walls having inwardly extending plates spaced apart to form a longitudinally extending opening, a burner extending longitudinally of said opening in spaced relation to the inner edges of said plates and cooperating therewith to form separate relatively narrow air passages at the opposite sides of the burner, the latter having gas discharge ports above said openings arranged to discharge gas transversely across the openings in close proximity thereto, means overlying the burner adapted to direct the burner gases upwardly in separate streams toward the side walls of the oven, and connected walls forming insulating air compartments at opposite sides of the oven, said walls extending below the oven to form a secondary air chamber beneath the burner.

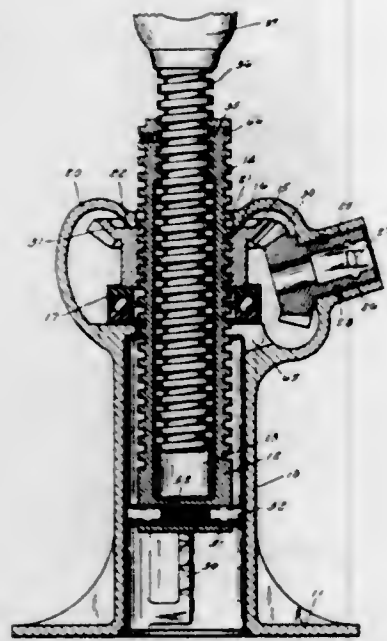
1,741,792. OIL-STORAGE-TANK GAUGE. BRAMAN C. RINEHART, Chicago, Ill. Filed Nov. 21, 1927. Serial No. 234,828. 2 Claims. (Cl. 73—82.)



2. In an oil storage tank gauge, a housing mounted on the roof of the tank and having a portion extending downwardly on the outside of the tank, a pulley mounted in

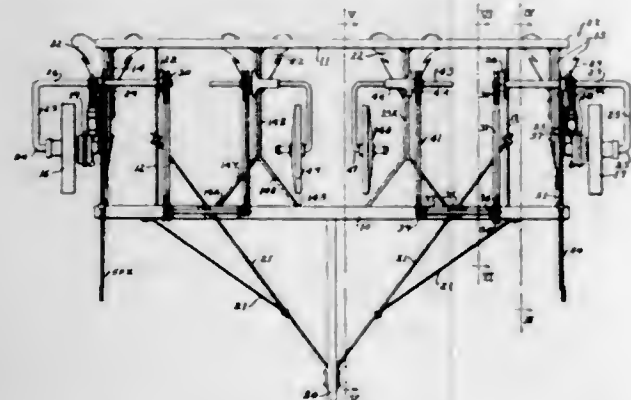
the lower end of said portion, a flexible graduated line looped over the pulley and runningly guided in the housing so that both ends hang in the tank, a float attached to one of said ends, a weight attached to the other end so that the weight is disposed within the tank, and a window for the lower end of said housing portion so that readings may be conveniently taken from the ground level.

1,741,793. JACK. WILLIAM B. RUNYAN, Dayton, Ohio, assignor to The Dayton Malleable Iron Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 19, 1925. Serial No. 3,358. 10 Claims. (Cl. 254-102.)



1. A lifting jack comprising a standard, an internally threaded operating sleeve mounted thereon, means for causing rotation of said sleeve; a lifting member threadedly mounted within said sleeve, means for restraining rotation of said lifting member with respect to the said standard comprising a vertical rib within said standard, a spring pressed plunger carried by said lifting member and adapted to cooperate with said rib to prevent rotation of the threaded member in either direction, and speed cam means associated with the said rib each constructed for rendering the spring pressed plunger inoperative to prevent rotation in one direction, while leaving it operative to prevent rotation in the opposite direction, when the threaded member has reached a predetermined vertical positioning with respect to the standard.

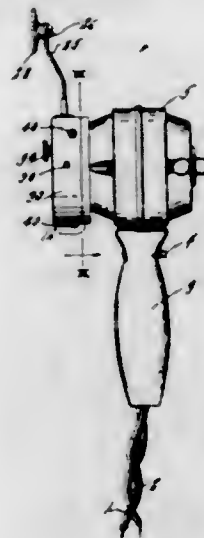
1,741,794. LISTER. JOSEPH SCHERMULY, Wichita, Kans. Filed Oct. 1, 1928. Serial No. 309,565. 2 Claims. (Cl. 97-103.)



1. In a lister, a main frame; a pair of main ground wheels and power lifting means associated therewith; a plow beam and plow for each main wheel; a curved shaft

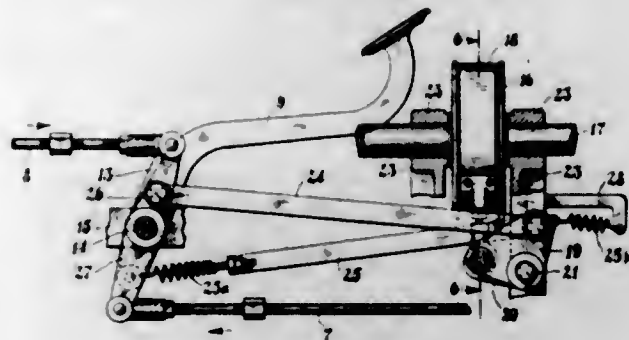
as an axle element for a main wheel with a portion carried by bearings on the frame; a lever for the end of said shaft; a tie bar leading from the lever and a second lever connecting thereto; a jack shaft carried by the main frame and rigid to the second lever; a ratchet at the other end of the jack shaft; a third lever adjustably engaging the ratchet and a tie bar carried from said third lever and an arm on a wheel axle shaft linked thereto and an inner wheel and a plow mechanism associated therewith.

1,741,795. MASSAGE IMPLEMENT. FRANK F. SHAWKER, Toledo, Ohio. Filed Nov. 25, 1927. Serial No. 235,537. 5 Claims. (Cl. 128-49.)



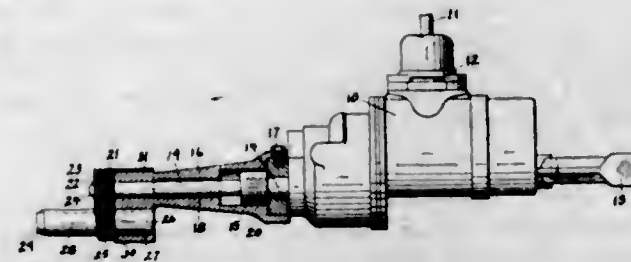
1. A massage implement embodying a motor housing, a directing handle extending toward the housing, a motor in the housing, a rotary shaft for the motor, a speed reduction transmission from the motor, a longitudinally reciprocable connecting rod from the transmission, a lever having the general direction of the handle and fulcrumed in and extending away from the housing, said lever actuable by said rod to have a free end thereof vibratory, and a massage tool carried laterally of the free end of the lever and movable relatively to said rod in lever operation.

1,741,796. BRAKE SYSTEM AND MECHANISM. EDWARD SLADE, New York, N. Y. Filed May 21, 1927. Serial No. 193,269. 11 Claims. (Cl. 188-140.)



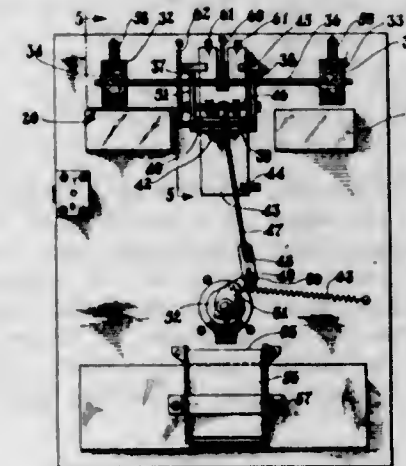
1. In a brake system, the combination with a brake, brake lever and controlling means for manual operation of the brake, of a friction device for applying power to said lever comprising a rotary member and a pulling member adapted to be brought into frictional engagement by the manual operation of said controlling means, and a differential connection between the pulling member and the brake lever, whereby a gradually increasing frictional engagement is obtained at the friction device for gradually increasing the pull on the brake lever to boost the pressure applied by the manual operation.

1,741,787. GROOVING TOOL. HORACE D. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 16, 1925. Serial No. 30,885. 5 Claims. (Cl. 30-20.)



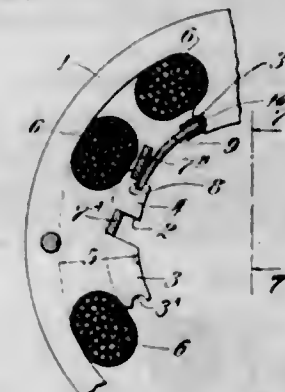
4. A cutting tool construction including a support formed with an offset having a bore extending completely there-through, a tubular cutting tool journaled in said bore, said tool being unobstructed throughout its length to permit the cut material to pass through the off-set, and positive means for driving the tool.

1,741,798. SANITARY TOILET-SEAT-COVER DISPENSER. PHILIP SUNDOK, Brooklyn, N. Y., assignor, by mesne assignments, to Louis Gordon, Brooklyn, N. Y. Filed Nov. 1, 1927. Serial No. 230,235. Renewed Sept. 12, 1929. 3 Claims. (Cl. 312-55.)



1. In a sanitary toilet seat-cover dispenser of the class described, a cabinet, a slide mounted on the cabinet and arranged for normally assuming a raised position, a bracket secured to the slide, and having lug elements, levers mounted on the lug elements, a rod carried by the levers, and engaging members secured to the rod and adapted for engagement against seat covers suspended within the cabinet for releasing one at a time upon downward movements of the said levers.

1,741,799. STATOR FOR INDUCTION MOTORS. CLIFFORD F. THOMPSON, Oak Park, Ill., assignor to Bodine Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1929. Serial No. 350,289. 7 Claims. (Cl. 172-178.)

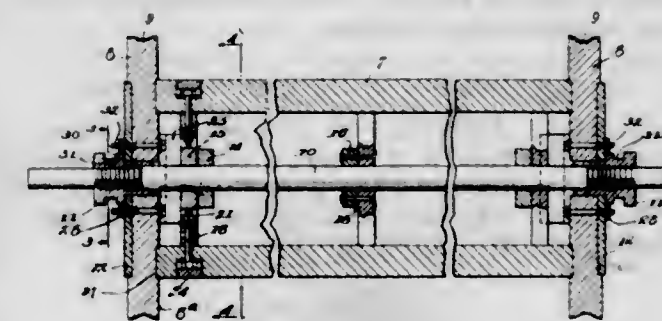


1. In a stator for motors, two consecutive poles spaced circumferentially of the stator, a pole extension plate of

magnetizable material spanning the aforesaid poles near their inner ends, and a non-magnetic spacer interposed between one longitudinal edge of the pole extension plate and the pole adjacent to that edge.

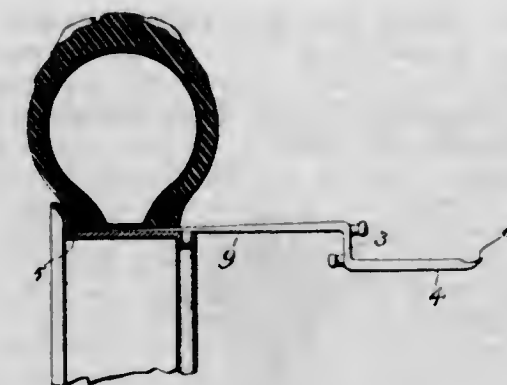
7. In a stator for motors, two consecutive main poles spaced circumferentially of the stator and provided near their inner ends with opposed grooves extending longitudinally of the stator, a channel-sectioned non-magnetic liner seated in one of the said grooves and open towards the other groove, the portion of the said other groove which is radially inward of the stator being of greater depth than the portion of that groove which is radially outward of the stator; a shading coil surrounding a part of the main pole which has the said other groove, one side leg of the shading coil having its outer lateral edge portion seated in the said radially outward groove portion; and a magnetizable pole extension plate having its lateral edge portions respectively seated in the channel-sectioned liner and in the said radially inward groove portion, the pole extension plate engaging the radially inward face portion of the shading coil to clamp the shading coil against that wall of the said other groove which is radially outward of the stator.

1,741,800. WARP BEAM. FREDERICK C. WASHBURN, New Bedford, Mass. Filed Mar. 13, 1928. Serial No. 261,392. 10 Claims. (Cl. 242-124.)



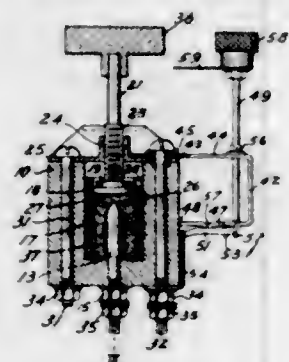
2. A warp beam comprising a hollow wooden cylinder composed of an even number of interlocking longitudinal staves, and supporting members within the cylinder adapted to be mounted upon a beam shaft, alternate staves being rigidly secured to the supporting members and the intermediate staves being sustained by the interlocking connection between them and the supported staves.

1,741,801. TIRE TOOL. CALVIN JAMES WHITE, St. Ignace, Mich. Filed Nov. 6, 1928. Serial No. 317,508. 1 Claim. (Cl. 157-6.)



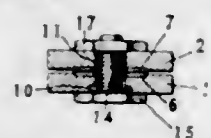
In a tire tool the combination of a shank, a transverse arm at one end of the shank tapered into a tire removing blade, and a second transverse arm extending from the other end of the shank and formed into a ring removing claw, each arm having a driving head extending beyond the shank and parallel with the opposing arm whereby either of said arms may be driven in opposite direction.

1,741,802. RHEOSTATIC CIRCUIT-CONTROLLING APPARATUS. JAMES G. ZIMMERMAN, Milwaukee, Wis., assignor of one-half to Allis-Chalmers Manufacturing Company, a Corporation of Delaware. Filed Apr. 21, 1923. Serial No. 633,614. 2 Claims. (Cl. 201-50.)



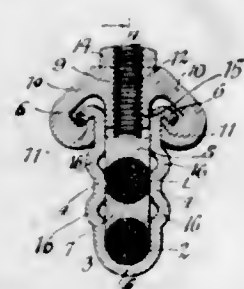
1. In a rheostatic circuit-controlling device, a housing containing a compressible resistance medium and having a cover element at one side, a fixed terminal within said housing, a movable terminal within said housing, means for actuating said movable terminal, said actuating means being supported by and adjustable relative to said cover element, and means operatively associated with said cover element for arresting the movement of said terminal in a resistance-increasing direction, said actuating means being movable away from said movable terminal to break the circuit through the device when said movable terminal is held by said arresting means.

1,741,803. PINTLE FOR SCISSORS. WILLIAM A. ZEIBLER, New York, N. Y., assignor to Hurlburt Research Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 18, 1926. Serial No. 129,929. 3 Claims. (Cl. 30-13.)



2. A removable pintle for two relatively movable members comprising a cylindrical bearing member for both of said members, screw threads in the interior of said cylindrical bearing member, means for locking said bearing against rotation with reference to one of the members, a screw threaded adjusting member for both relatively movable members, adjusted by its screw threaded interengagement with the bearing member, and means for locking both members of the pintle positively with reference to each other and with reference to one of the movable members.

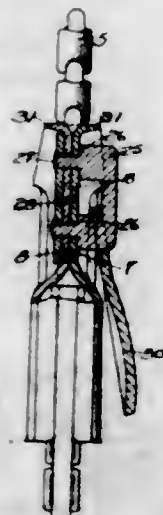
1,741,804. CLAMP FOR ELECTRICAL CABLES. JOHN ZILLION, Orchard Park, N. Y., assignor to Park Metalware Co. Inc., Orchard Park, N. Y., a Corporation of New York. Filed June 2, 1928. Serial No. 282,286. 1 Claim. (Cl. 173-263.)



A clamp for cables and the like, comprising a U-shaped casing adapted to receive a cable; and means for holding said cable in said casing including a cross-piece extending across the mouth of said casing; downwardly diverging hooks arranged externally on the upper edges of the cas-

ing; laterally projecting flanges arranged on opposite sides of the cross-piece and having upwardly converging hooks engaging under the hooks of the casing; and a clamping screw mounted on the cross-piece and adapted to press against the cable in the casing and to draw the hooks of the casing and cross-piece together, the side walls of said casing being provided with longitudinal corrugations, and said cross-piece being provided on its underside with a tongue, which is arranged between the upper free ends of the walls of said casing.

1,741,805. SEPARABLE FASTENER. CHARLES H. BAKER, Hudson, Mass., assignor to Firestone Footwear Company, Hudson, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1926. Serial No. 144,473. 4 Claims. (Cl. 24-205.)



1. A separable fastener comprising interlocking members secured to the edges of a closure, and a slider to operate the closure, said slider comprising independent spaced plates forming channels for the passage of the members, depressed areas in the upper portions of said plates which areas are placed in contact, fastening means to secure the two plates together passing through the areas, and reinforcing flanges about the upper margins of the areas.

1,741,806. OPHTHALMIC MOUNTING. EARLE J. R. BEATLEY, Edgewood, R. I. Filed Apr. 15, 1927. Serial No. 184,011. 8 Claims. (Cl. 88-49.)



1. In an ophthalmic mounting, an eye wire having an extended outer surface lying in substantially a single plane, a nose grip, and a bendable U-shaped strip of material having one leg of the U soldered along said surface and the other leg secured to said grip to support the same in desired position.

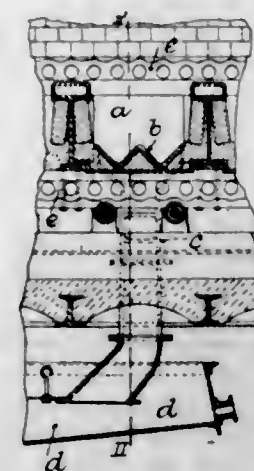
1,741,807. OPHTHALMIC MOUNTING. EARLE J. R. BEATLEY, Edgewood, and JOHN N. NELSON, Cranston, R. I., assignors to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 20, 1928. Serial No. 263,022. 2 Claims. (Cl. 88-53.)



1. A spectacle frame having an eye wire with a metallic end-piece formed in two parts secured together, each part

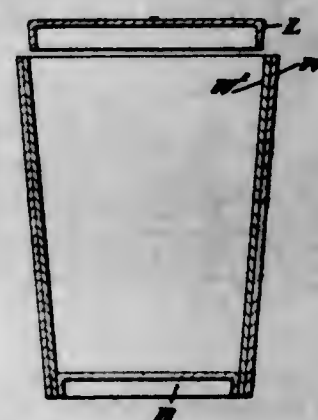
having a beveled edge inwardly inclined towards the other, and a non-metallic covering for each of said parts, each having resilient side walls arranged to snap over the beveled edges of the end-piece to lock the two together.

1,741,808. MECHANICALLY-ACTUATED GRATE FURNACE. ALFRED WILLIAM BENNIS, Little Hulton, near Bolton, England. Filed Nov. 22, 1927. Serial No. 234,958, and in Great Britain Nov. 23, 1926. 5 Claims. (Cl. 110-40.)



1. In an apparatus of the character described, the combination of an endless chain grate having an upper and a lower stretch, air cells between said upper and lower stretches, troughs disposed in said cells in position to receive material dropped from the upper stretch of chain grate, means for delivering water to said troughs for sluicing the same, and drainage outlets communicating with said troughs.

1,741,809. CONTAINER. WILLIAM EVERETT BENSON, Wollaston, Mass., assignor of one-half to Theodore M. Prudden, Hingham, Mass. Filed May 2, 1927. Serial No. 188,083. 3 Claims. (Cl. 229-4.5.)



1. In a container of the class described, a side wall comprising a plurality of wall members having edge abutted joints, said joints being in non-registering relation to each other, each wall having the grain of its paper disposed differently than the grain of the paper of the other walls whereby said walls have different degrees of shrinkability when wet and drying, a stiffening adhesive material between said walls, a bottom member having a downturned flange lying parallel to said walls, and a closure having a resilient downturned flange adapted to be wedged within the open end of said container wall.

1,741,810. TELESCOPIC SOCKET WRENCH. PAUL BIDAL, Paris, France. Filed Aug. 15, 1928, Serial No. 299,791, and in France Aug. 22, 1927. 4 Claims. (Cl. 81-177.)

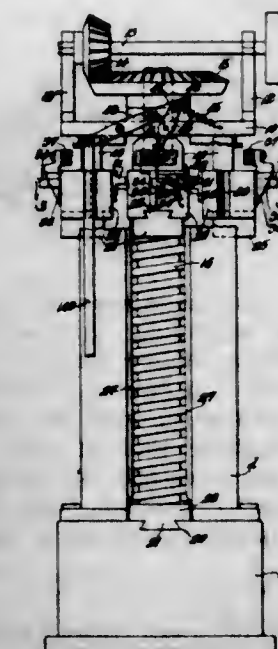
1. A telescopic socket wrench comprising, in combination, a socket-carrying shank, a hollow slide having a bore

matching the cross-sectional shape of the shank so as to telescopically but non-revolubly engage it and also having a non-circular exterior and a more limited circular portion, a handle mounted on the slide and formed with a hub having a bore matching the outer contour of the slide



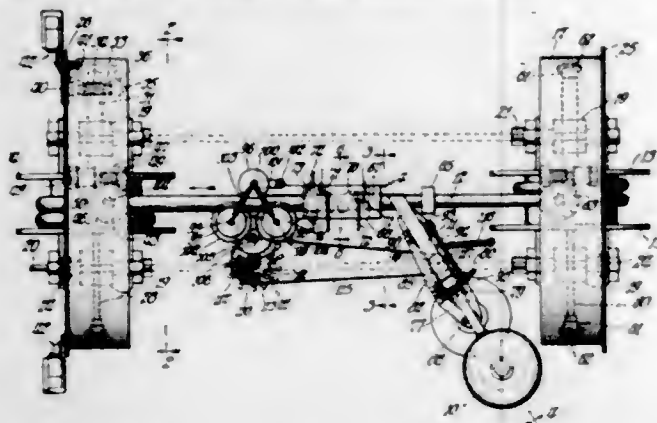
so as to engage it slidably throughout its length and revolubly over a short portion of the length of said slide, stop means for limiting the outward and inward strokes of the slide along the shank, and stop means for limiting the outward and inward strokes of the handle along the slide.

1,741,811. DROP-FORGING HAMMER. HENRY BIRMINGHAM, Ashland, Mass.; Wilfred J. Birmingham administrator of said Henry Birmingham, deceased. Filed June 3, 1926. Serial No. 113,573. 5 Claims. (Cl. 78-35.)



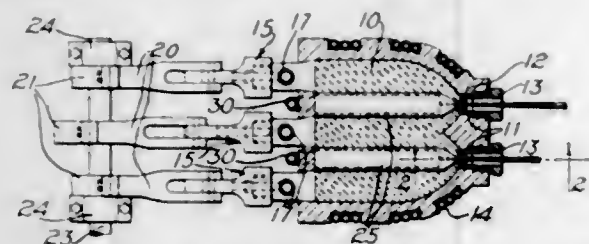
1. In a drop-forging hammer, in combination, a base provided with a lower die, a screw-shaft erected upon said base, an upper die provided on its inner surface with a socket, a spring in said socket, a clutch member having a stem extended through said socket and through said upper die and acted upon by said spring to couple the upper die with said screw-shaft, a stationary wedge member located in the path of movement of said stem to be engaged with the stem on the upward movement of the upper die and effect longitudinal movement of said stem against the action of said spring to disengage the clutch member from said screw-shaft, a holding lever carried by said upper die and co-operating with said stem to engage and hold the latter against movement by its spring after it has been moved by said wedge member, a pin carried by said upper die, a holding lever normally in position to be engaged by said pin when the upper die reaches the end of its upward movement, and a spring to hold said lever in position to be engaged by said pin.

1,741,812. METHOD OF AND MEANS FOR WORKING MOLDABLE MATTER. JOHN EDSON BOYNTON, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 13, 1924, Serial No. 719,817. Renewed Aug. 14, 1929. 13 Claims. (Cl. 207-1.)



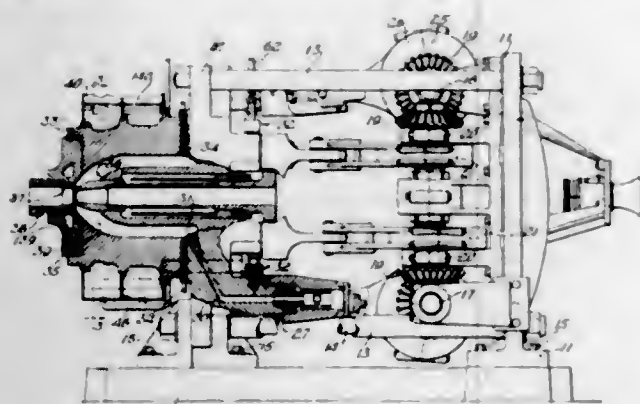
5. A method of forming a tube, which method consists in flowing fused metal through an orifice in such manner and at such a temperature that the metal solidifies, as it leaves the orifice, into a shape conforming substantially to the shape of the orifice, and contemporaneously coiling the solidified metal into a tubular formation.

1,741,813. APPARATUS FOR PRODUCING COMPOSITE ARTICLES. JOHN EDSON BOYNTON, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 25, 1925, Serial No. 18,133. Renewed Aug. 13, 1929. 4 Claims. (Cl. 207-3.)



1. In an extruding machine, a chamber containing matter to be extruded, an extruding die associated with the chamber, a substantially hollow receptacle containing matter in a liquid state and having a discharge opening extending into the opening in said die, and means co-operating with the interior wall of said chamber and the exterior wall of the receptacle for continuously forcing the extrudable matter through said die to form a pipe to receive the matter contained in said hollow receptacle.

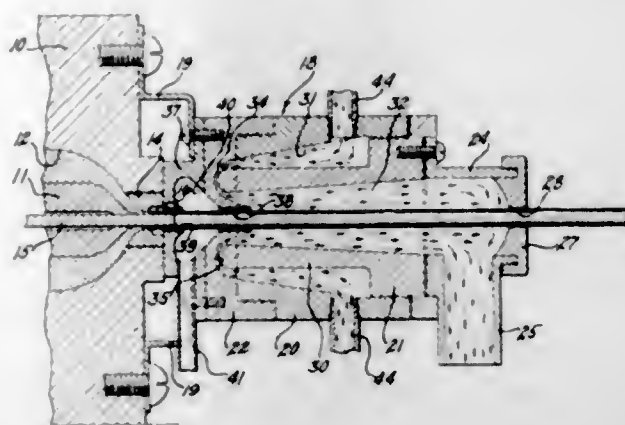
1,741,814. METHOD OF AND APPARATUS FOR EXTRUDING MATTER. JOHN EDSON BOYNTON, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1925. Serial No. 76,954. 17 Claims. (Cl. 207-2.)



1. In a machine for extruding matter, a device for maintaining a portion thereof at a predetermined constant

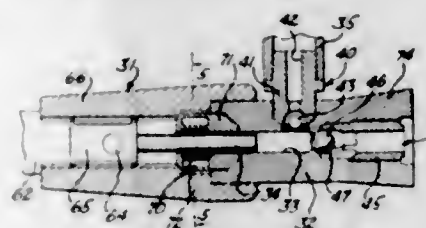
temperature, comprising a chamber for containing a liquid associated with said portion, a dome surmounting said chamber for containing vapor arising from said liquid, and means to prevent the vapor in said dome exceeding a predetermined pressure and thereby maintain the liquid at a uniform temperature.

1,741,815. METHOD OF AND APPARATUS FOR TREATING MOVING MATTER. JOHN EDSON BOYNTON, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 31, 1927, Serial No. 195,396. Renewed Aug. 7, 1929. 11 Claims. (Cl. 207-16.)



10. A method of quenching material being extruded, which consists in subjecting the material to a fluid applied thereto at a high velocity and retained thereabout at gradually decreasing velocity and gradually increasing pressure.

1,741,816. APPARATUS FOR PUMPING MATERIAL. JOHN EDSON BOYNTON, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed May 8, 1924, Serial No. 711,763. Divided and this application filed June 9, 1928. Serial No. 284,178. 13 Claims. (Cl. 207-1.)

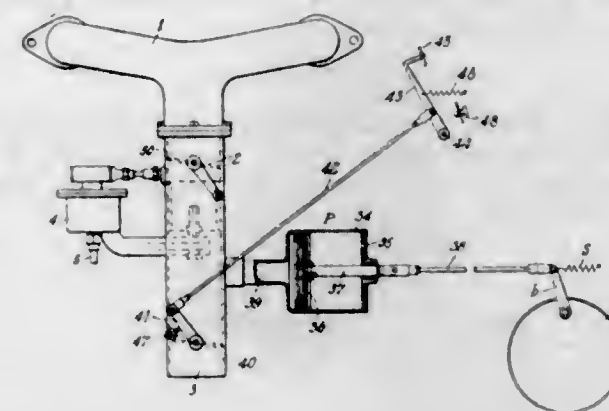


6. In a mechanism for pumping plastic matter, a cylinder and a plunger reciprocable relative to each other, and means for preventing leakage between the cylinder wall and the plunger comprising a pocket formed in one of said reciprocating members, adapted to collect the plastic matter during operation of the mechanism, and maintained at a lower temperature than the matter being pumped.

1,741,817. POWER-ACTUATED BRAKE MECHANISM FOR AUTOMOTIVE VEHICLES. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLESERATH, Port Washington, N. Y., assignors to Bragg-Kleserath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Apr. 21, 1927. Serial No. 185,469. 22 Claims. (Cl. 123-198.)

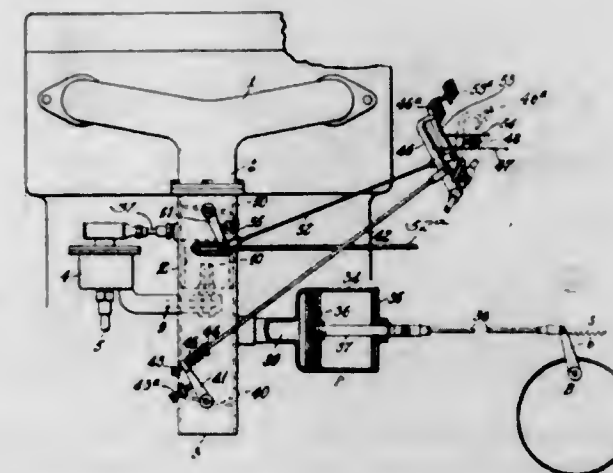
1. The combination with an internal combustion engine provided with a suction passage for supplying the explosive mixture to the cylinders having an air inlet for supplying air for the explosive mixture, and a shut-off valve for said air inlet, of a carburetor provided with a liquid fuel chamber, means for normally maintaining a pre-

determined liquid level therein, and a jet nozzle discharging within the suction passage, said fuel chamber being provided above the liquid level therein with a vent passage for normally connecting it with the atmosphere, and an equalizing passage for connecting it with the suction



passage adjacent to the jet nozzle, and means for normally closing said equalizing passage and opening said vent passage, constructed to automatically open said equalizing passage when said shut-off valve is sufficiently closed while the engine is running to produce a degree of rarefaction at the jet nozzle.

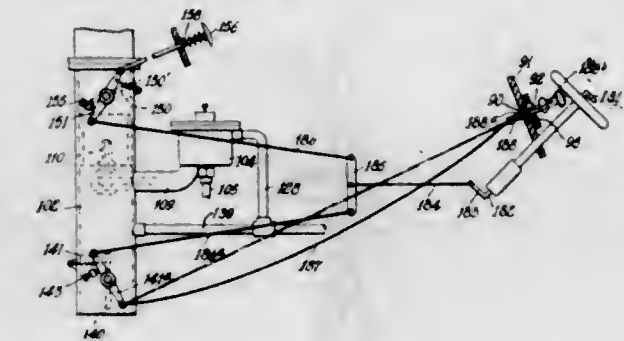
1,741,818. POWER-ACTUATED BRAKE MECHANISM FOR AUTOMOTIVE VEHICLES. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLESERATH, Port Washington, N. Y., assignors to Bragg-Kleserath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Apr. 21, 1927. Serial No. 185,470. 22 Claims. (Cl. 188-152.)



10. In an automotive vehicle provided with brake mechanism, the combination with an internal combustion engine having a suction passage provided with an air inlet for supplying the air for the explosive mixture, a carburetor for fuelizing said air, and a throttle valve for said suction passage interposed between said carburetor and the engine cylinders, of a suction actuated device comprising a cylinder and piston, connections from said piston to the brake mechanism, a tubular suction connection from the said cylinder connected with said suction passage between the throttle valve and said air inlet, a normally open brake valve for said air inlet, for closing off the admission of air therethrough to effect the operation of the brake mechanism by said suction operated device, means for arresting the brake valve in predetermined closed position, an operator operated part, connections from said operator operated part to the brake valve including a spring adapted to yield when the brake valve is arrested in said predetermined closed position, an independent operator operated part, connections there-

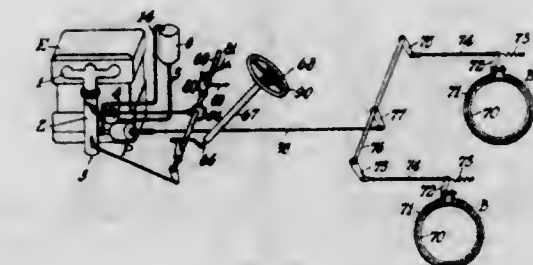
from to the throttle valve for opening the throttle valve, said operator operated parts being pivoted substantially co-axially, and yielding means for normally holding the throttle valve in closed position and said independent operator operated part in alignment with the position of the first mentioned operator operated part when the brake valve is closed, whereby said operator operated parts may be moved together after the closing of the brake valve to open the throttle valve without imparting further movement to the brake valve, to expedite the exhaustion of the actuator cylinder and the application of the brake mechanism.

1,741,819. BRAKE MECHANISM FOR AUTOMOTIVE VEHICLES. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLESERATH, Port Washington, N. Y., assignors to Bragg-Kleserath Corporation, Long Island City, N. Y., a Corporation of New York. Filed May 13, 1927. Serial No. 190,989. Renewed Sept. 30, 1929. 19 Claims. (Cl. 188-152.)



1. In brake mechanism for automotive vehicles, the combination with an internal combustion engine having a suction passage provided with an air inlet for supplying the air for the explosive mixture, a carburetor for fuelizing said air provided with a closed liquid fuel chamber, means for normally maintaining a predetermined liquid level therein, and a jet nozzle discharging within said suction passage and a throttle valve for said suction passage interposed between said jet nozzle and the engine cylinders, of a suction actuated device comprising a cylinder and piston, connections from said piston to brake mechanism, a normally open brake valve interposed between said air inlet and said jet nozzle for controlling said air inlet of the suction passage, a tubular connection from the cylinder of the suction actuated device to the suction passage between said brake valve and the carburetor jet nozzle, and a continuously open equalizing passage connecting the float chamber above the liquid level therein with the suction passage of the engine between the said brake valve and the jet nozzle of the carburetor.

1,741,820. BRAKE MECHANISM FOR AUTOMOTIVE VEHICLES. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLESERATH, Port Washington, N. Y., assignors to Bragg-Kleserath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Feb. 16, 1928, Serial No. 254,647. Renewed May 25, 1929. 20 Claims. (Cl. 192-3.)



2. In automotive vehicles, the combination with an internal combustion engine for propelling the same having

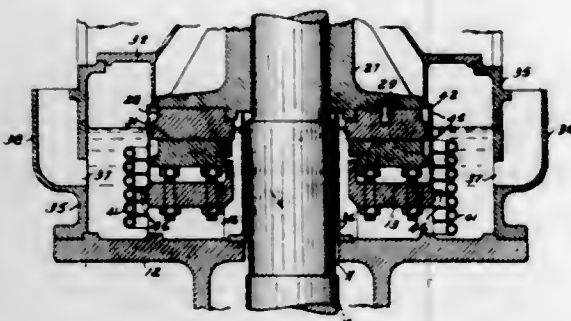
a suction passage, an air inlet for supplying the air for the explosive mixture having an air restricting valve, a carburetor for fuelizing said air, and a throttle valve for said suction passage interposed between said carburetor and the engine cylinders, of a suction actuated device, connections therefrom to a part to be operated, a tubular suction connection from said suction actuated device connected with said suction passage between said throttle valve and said air inlet, two independent operator operated parts, means for connecting each of said operator operated parts with said throttle and air restricting valves, constructed to open the throttle valve without closing the air restricting valve, to control the speed of the engine and to effect the closing of the air restricting valve after the throttle valve is closed, to create rarefaction within said suction actuated device for effecting the operation thereof.

1,741,821. VEHICLE SIGNALING DIRECTION APPARATUS. JOSEPH W. BRENNERT, San Diego, Calif. Filed Nov. 8, 1928. Serial No. 317,901. 7 Claims. (Cl. 116—48.)



1. In a signaling apparatus, a signaling arm formed of two flat members secured with their flat sides together, a stiffening ring formed longitudinally in each signaling arm member, said ridges complementing each other and forming therebetween a tapered hollow portion, each of said hollow ridges provided with a longitudinally extending slot therein, a light means adapted to shine within said hollow portion, and light emitting means covering the openings in said hollow portion.

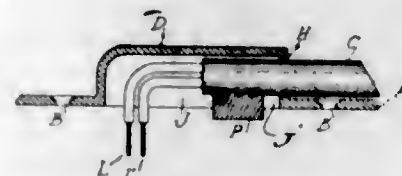
1,741,822. THRUST BEARING. ARTHUR J. BROWN, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Sept. 24, 1924. Serial No. 739,454. 20 Claims. (Cl. 308—160.)



1. A thrust bearing for a rotatable shaft, comprising a rotatable bearing element carried by the shaft, a support-

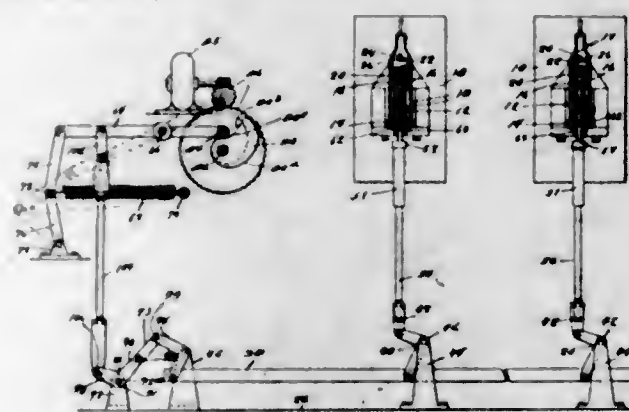
ing element, a series of independently mounted bearing shoes cooperative with said rotatable bearing element and adapted to carry the thrust of said shaft in the direction of its axis, and a plurality of rigid, definitely positioned and independently adjustable supports bearing on said supporting element and each of said bearing shoes and adapted to permit adjustment of the operative positions of the several bearing shoes.

1,741,823. WALL-PLATE SUPPORT FOR SEPARABLE CABLE CONNECTERS. JOHN C. BURG, Brooklyn, N. Y. Filed Aug. 22, 1927. Serial No. 214,551. 4 Claims. (Cl. 247—8.)



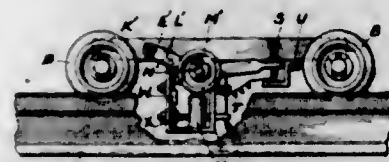
1. In a device of the class described, a wall plate with a front extended protruded hollow portion formed with a bottom aperture of a diameter substantially equal to the diameter of the hollow for permitting the passage of a cable of a slightly small diameter, and with a rear opening extending thru the wall plate, and a cable clamp attached on the rear of the wall plate and having a gripping lip extending thru the said rear opening and into the said hollow portion for gripping the cable.

1,741,824. ELECTRIC SWITCH AND CLOSING MECHANISM THEREFOR. GEORGE A. BURNHAM, Saugus, Mass., assignor to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1925. Serial No. 11,885. 17 Claims. (Cl. 200—89.)



1. The combination of a gang of electric switch mechanisms adapted for conjoint and also for independent closing, normally-stressed, quick-acting closing mechanism arranged to close any switch mechanism that may be open and also all of said mechanisms conjointly, and operative connections between said switch mechanisms and said normally-stressed closing mechanism including decelerating means in said connections.

1,741,825. EARTH-MOLD-MAKING MACHINE. EDWARD G. CARR, Chicago, Ill. Filed Aug. 23, 1928. Serial No. 301,448. 4 Claims. (Cl. 94—39.)



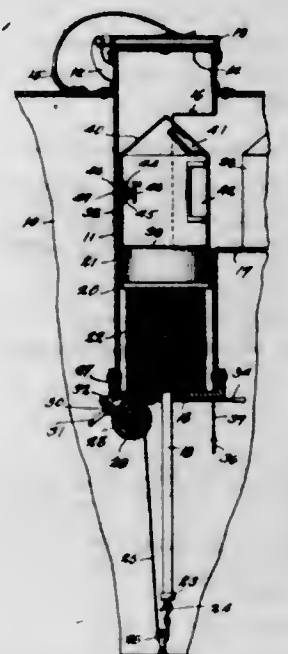
1. In a subgrade scraping machine operating upon guide rails, a frame, and means for indicating when said frame is elevated in relation to said rails.

1,741,826. KNIT GARMENT. WILLIAM B. CHRISTY, Philadelphia, Pa., assignor to Horn Surgical Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 30, 1928. Serial No. 265,852. 9 Claims. (Cl. 66—178.)



5. A garment of the character described constructed from tubular material with counter-flared leg and foot portions, said counter-flared portions being in part united at an angle to form a fashioned ankle zone, and the disjointed portions at the region of emergence, providing a lateral opening for the heel.

1,741,827. ESCAPE DEVICE FOR SUBMARINES. JOHN W. COOKE, Colgate, Md. Filed Mar. 3, 1928. Serial No. 258,716. 3 Claims. (Cl. 114—16.7.)

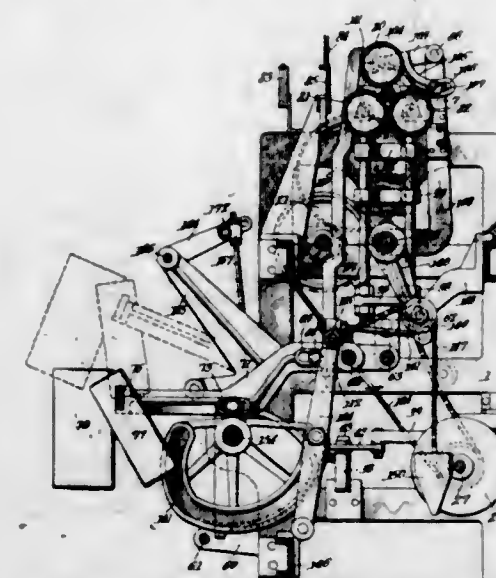


1. An escape device for submarines including an ejector tube having a loading opening at one side, a man carrying projectile insertable through said opening, releasable means operable from within the projectile for engaging the tube and locking the projectile to the tube, spring operated means associated with said tube for ejecting the projectile, means exterior of the tube for tensioning said spring means, a latching device on the exterior of the tube for engaging the spring operated means, and releasably restraining the same from operation, and a stop device for holding the latching device out of operation.

1,741,828. AXMINSTER SETTING FRAME. GEORGE CROSSLAND, Wallingford, Vt., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Apr. 5, 1928. Serial No. 267,684. 22 Claims. (Cl. 28—55.5.)

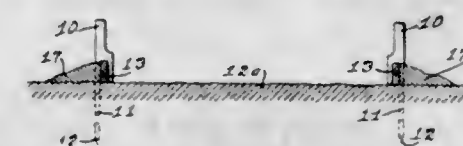
1. In a pattern setting machine, the combination of a supporting frame, rotatable shafts mounted in said supporting frame, one of said shafts being movably mounted

in said frame, and a latching mechanism for releasably latching said shaft in operative position or moving said shaft to inoperative position and retaining same in said last-named position, said mechanism comprising a lever member pivotally supported in said frame secured to the



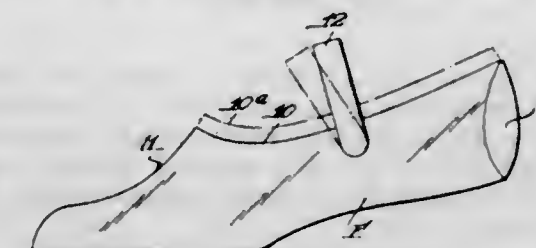
end of said shaft and having a slot in one end thereof and a hand rod provided with a projection adapted to engage the exterior surface of said lever member when the rod is in operative position and to pass within said slot when said rod is in inoperative position.

1,741,829. STAKE FOR HOLDING CONCRETE FORMS. GERARDO G. CUCCOLO, Waterbury, Conn. Filed Nov. 7, 1927. Serial No. 231,471. 1 Claim. (Cl. 94—39.)



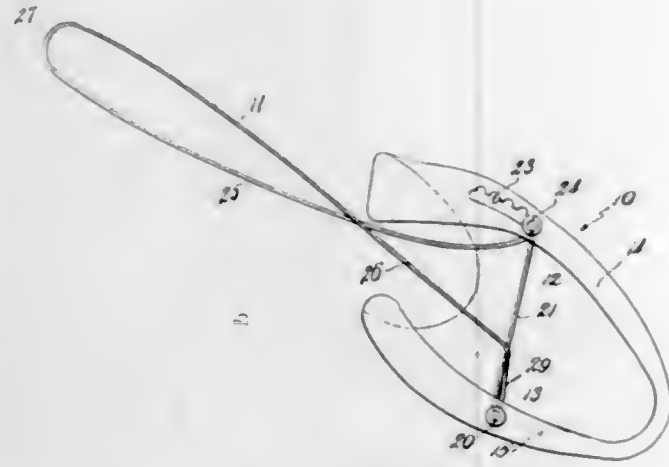
In a concrete form holding stake, an elongated vertical leg of rectangular cross-section, said leg being provided with a relatively thick hammer-blow-receiving section at its top end, and a pointed ground-penetrating section at its bottom end, an offset integral downwardly-extending vertical hook member of rectangular section on one side of said leg, the flat inner faces of said leg and hook fitting against and embracing the concrete form and serving to prevent relative twisting of said stake.

1,741,830. PROCESS OF MAKING SHOE FORMS. WILLIAM J. DE WITT, Auburn, N. Y., assignor to The Shoe Form Co., Inc., Auburn, N. Y., a Corporation of New York. Original application filed Apr. 8, 1926, Serial No. 100,667. Divided and this application filed May 27, 1927. Serial No. 194,660. 5 Claims. (Cl. 18—56.)



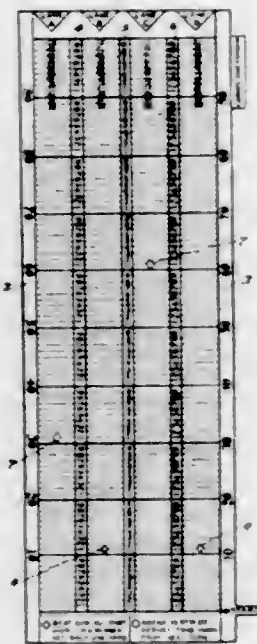
1. That process of preparing shoe forms which comprises as steps moulding celluloid to conform substantially to the interior of the shoe with which the form is to be used, trimming the upper edge of the moulded form substantially to correspond to the edge of the shoe upper and smoothing the trimmed edge by the use of a celluloid solvent.

1,741,831. EXPANSIBLE SHOE FORM. WILLIAM J. DE WITT, Auburn, N. Y., assignor to Shoe Form Co. Inc., Auburn, N. Y., a Corporation of New York. Filed Dec. 20, 1928. Serial No. 327,398. 18 Claims. (Cl. 12-128.1.)



1. In a shoe form comprising a thin-walled shell, a cross brace connecting the side walls of the shell, one end of the brace being pivoted to one side wall and the other end being movable along the other side wall and so related thereto that the oscillation of the brace on its pivot causes the expansion or contraction of the shell, and a thrust bar connected to the ends of the brace whereby it will actuate the brace through its connection with the movable end of the brace.

1,741,832. GAME. SIDNEY T. FARRELL, Newtonville, Mass. Filed May 1, 1929. Serial No. 359,645. 7 Claims. (Cl. 272-134.)

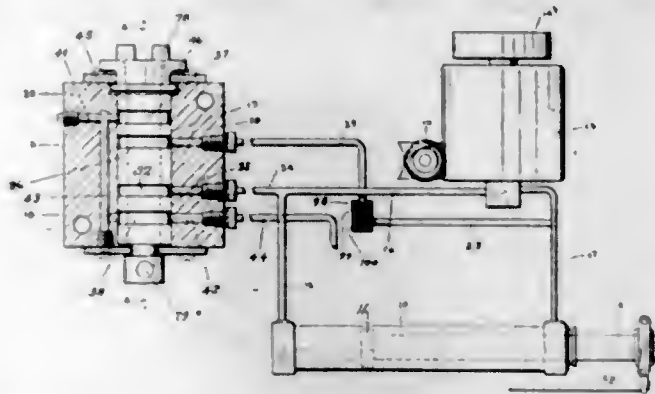


1. In a game, a chart having a race course marked thereon, said race course including divisions for indicating the progress of the racers and also having a home stretch divided and bearing indicia to indicate the time required by a racer to finish from certain specified points in the home stretch.

1,741,833. SPEED GOVERNOR FOR HYDRAULIC DRIVES. WALTER FERRIS, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 3, 1925. Serial No. 47,992. Renewed Nov. 9, 1929. 10 Claims. (Cl. 60-52.)

2. The combination of a driven member, a piston and cylinder for driving the same, a pump, hydraulic connec-

tions between said pump and cylinder, a pilot member driven at constant speed, a by-pass valve associated with

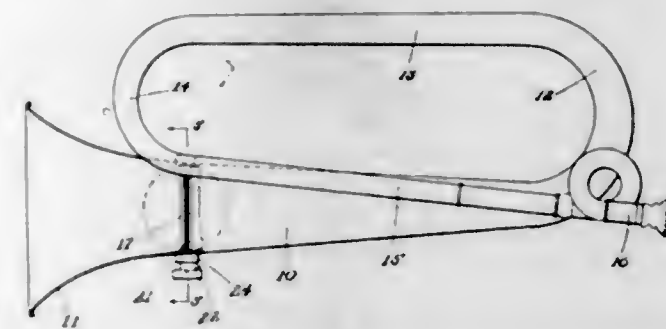


said connections and under the joint control of said driven and pilot members to effect movement of said driven member at a uniform rate.

1,741,834. PROCESS FOR PURIFYING GASES FROM ORGANICALLY-COMBINED SULPHUR. FRANZ FISCHER, Mulheim-on-the-Ruhr, Germany. Filed Oct. 31, 1927. Serial No. 230,194, and in Germany Dec. 24, 1926. 3 Claims. (Cl. 23-3.)

1. In the process for purifying gases from organically combined sulphur by converting the organic sulphur-combinations into hydrogen sulfide in the presence of hydrogen by means of contact substances and absorption of the hydrogen sulfide formed, the steps which consist in passing the gas at temperatures of at least 200° C. over contact-means containing precious metals of the first group of the periodic system, and then separating the hydrogen sulphide which is formed.

1,741,835. DAMPING DEVICE FOR CORNETS. OTTO GANTNER, New York, N. Y. Filed Nov. 4, 1927. Serial No. 230,987. 2 Claims. (Cl. 84-400.)

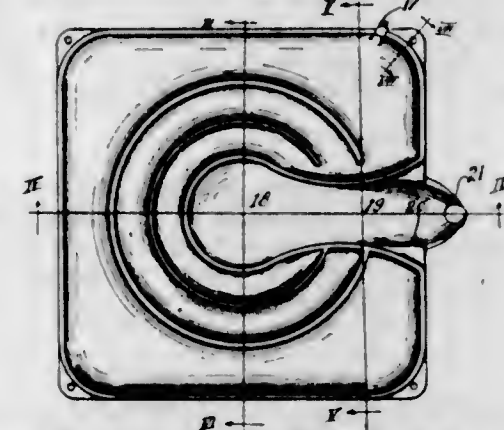


1. In combination with a wind musical instrument, a damping device comprising a stud mounted diametrically and rotatably in said instrument and having a longitudinal slot therein, a pair of annular diaphragms having relatively large perforations therein anchored in said slot of said stud, a vibratory gut membrane located between said diaphragms, the vibrations through said instrument impinging on the gut membrane through said perforations, said gut membrane multiplying the vibrations, a knob on said stud exterior of said instrument, and means on said knob cooperating with the instrument for releasably locking the diaphragms and membrane in the active or inactive position.

1,741,836. SURGICAL OPERATING CUSHION. LEVI L. GILBERT, Muskegon, Mich., assignor to The Em-Dee Supply Company, a Corporation of Nevada. Filed Mar. 2, 1927. Serial No. 171,922. Renewed Oct. 2, 1929. 7 Claims. (Cl. 128-292.)

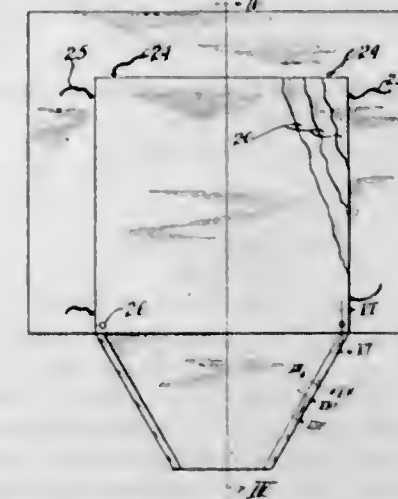
1. An inflatable operating cushion consisting of two sheets, which, when the cushion is deflated lie in contact

with each other over their whole area, said cushion having a plurality of broken annuli formed therein to define concentric air chambers of varying diameter and depth, and also defining fluid conducting channels, and a central well



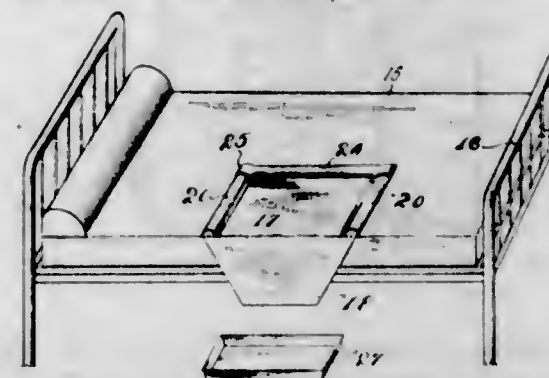
into which the channels open when the cushion is inflated, the said concentric air chambers cooperating when inflated to form a seat or support to facilitate the rotating of a person seated thereon from one position to another without displacing the cushion.

1,741,837. MATERNITY SHEET. LEVI L. GILBERT, Portland, Oreg., assignor to The Em-Dee Supply Company, a Corporation of Nevada. Filed Mar. 2, 1927. Serial No. 171,925. 7 Claims. (Cl. 128-292.)



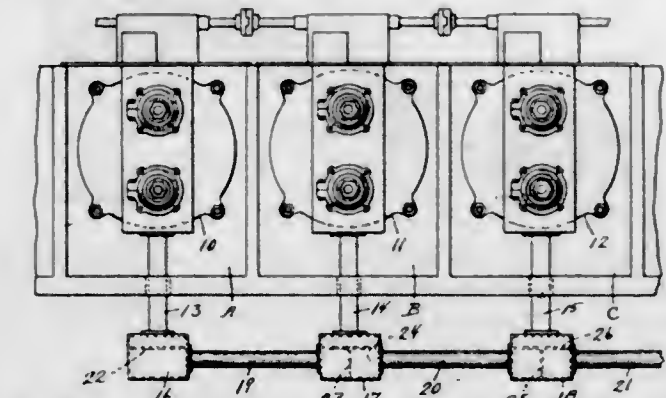
1. A sanitary maternity pad comprising a sheet of material impervious to liquids, said sheet having an apron extension on one side and margins on the other sides adapted to be rolled up to form dams preventing the escape of liquids from said pad except at said apron.

1,741,838. MATERNITY PAD. LEVI L. GILBERT, Muskegon, Mich., assignor to The Em-Dee Supply Company, a Corporation of Nevada. Filed Mar. 1, 1928. Serial No. 258,169. 9 Claims. (Cl. 128-292.)



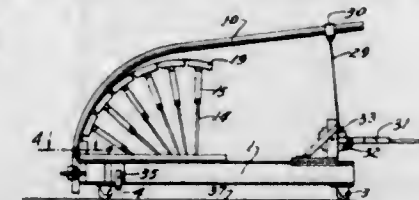
9. A maternity pad comprising a sheet of flexible material impervious to water, the sides of the sheet being folded back thereover to form open pockets, the folded sides of the sheet being secured to the sheet to form liquid dams on the sheet.

1,741,839. VENTING ELECTRIC SWITCH. AUSTIN EDWIN GREENE, Medford, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., a Corporation of Massachusetts. Filed Feb. 18, 1927. Serial No. 169,356. 6 Claims. (Cl. 200-150.)



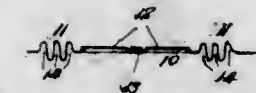
1. The combination with a plurality of switches having oil receptacles and vent pipes connected thereto, of a common header to which said vent pipes are connected, and means for preventing the transmission of an abnormal condition in one oil receptacle to another of said oil receptacles through said header while maintaining said header and vent pipes free to carry off the gases discharged from said receptacles.

1,741,840. PIPE BENDER. ARTHUR J. HARMON and JAMES W. HARMON, Chicago, Ill. Filed Apr. 2, 1928. Serial No. 266,603. 19 Claims. (Cl. 153-32.)



1. A pipe bender comprising a horizontally extending base provided at its top with oppositely directed flanges, a form seated on the said flanges near one end of the base and extending longitudinally of the flanges, a winch mounted on the flanges and slidable toward the form from the other end of the base, means for clamping the winch to the said flanges to prevent such sliding of the winch, means for clamping a portion of a pipe to the form, and flexible means connecting another portion of the pipe with the winch.

1,741,841. DIAPHRAGM FOR ACOUSTICAL APPARATUS. HEINRICH HECHT and WILHELM RUDOLPH, Kiel, Germany, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany, a Firm. Filed Dec. 5, 1922. Serial No. 605,031, and in Germany Jan. 26, 1922. 5 Claims. (Cl. 181-32.)

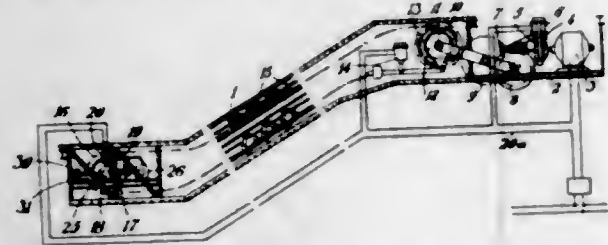


1. A diaphragm having an annularly corrugated marginal spring portion adapted to yield substantially only in the plane of the diaphragm to take up the radial size variations of the diaphragm due to temperature changes, and a central main portion merging directly into said marginal spring portion and stiffened over its whole surface, and peripheral clamping means, the said marginal spring portion merging directly into the portion of the diaphragm clamped between said clamping means.

1,741,842. MOVING STAIRCASE. FRIEDRICH HOLT-SCHMIT, Berlin, Germany. Filed Apr. 8, 1927. Serial No. 182,052, and in Germany Apr. 17, 1926. 14 Claims. (Cl. 198-232.)

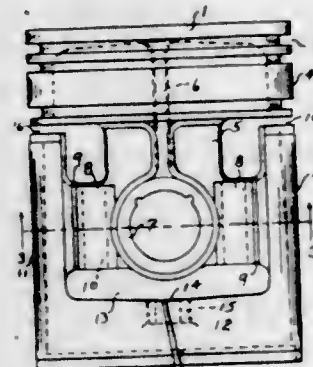
1. In a moving staircase, the combination of a stair chain, a driving mechanism at the upper end thereof, a

stair chain tensioning device at the lower end thereof, the stair chain extending between the said mechanism and the said device so that there is tension throughout the length of the stair chain, and a safety device in juxtaposition with, and operated by, the stair chain tensioning device to effect stoppage of the movement of the stair chain on accidental variation in the length of the stair chain.



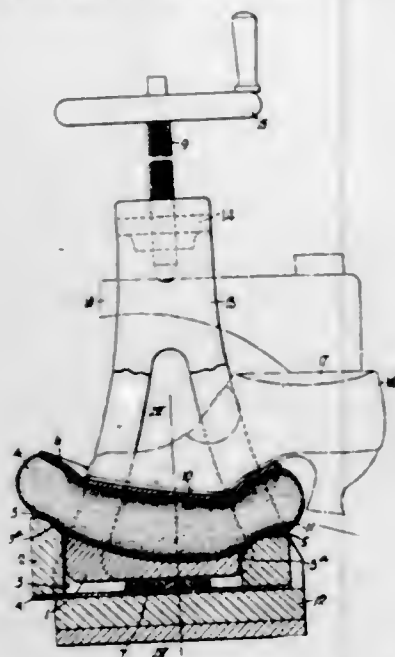
position with, and operated by, the stair chain tensioning device to effect stoppage of the movement of the stair chain on accidental variation in the length of the stair chain.

1,741,843. PISTON. FRANK JARDINE, Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, as trustee, Cleveland, Ohio, a Corporation of Ohio. Filed July 31, 1925. Serial No. 47,234. 8 Claims. (Cl. 74-108.)



1. An internal combustion engine piston comprising a head having a relatively wide, circumferentially extending surface constituting a bearing for the piston against the cylinder wall, a skirt spaced apart from the head and consisting of oppositely disposed bearing walls united at their lower ends by flexible curved walls, and flexible webs carrying the bearing walls and yieldable under forces transmitted thereto by expansion of the piston.

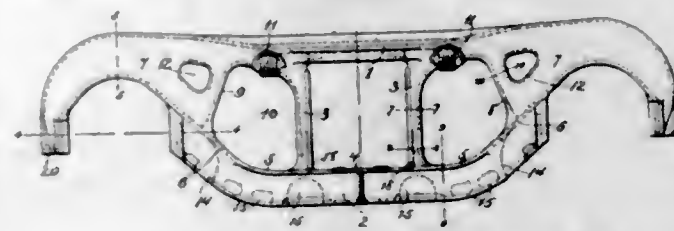
1,741,844. SOLE-LAYING PRESS FOR USE IN THE REPAIR AND MANUFACTURE OF BOOTS AND SHOES. FRED JOHNSON, Leicester, England. Filed Feb. 2, 1927. Serial No. 165,365, and in Great Britain Feb. 17, 1926. 16 Claims. (Cl. 12-38.)



1. For a sole-laying press of the type which includes a pressure applying member and a semi-solid work support,

a bed for said support having a cavity therein which when the support lies on the bed is located under the central portion of the support, whereby when the work is in position and subjected to pressure on the support the latter first yields in the centre whereupon under continued pressure the marginal portion of the support is held up to the work by the edge of the cavity, said support thereby conforming to the shape of the work over the whole area of the latter.

1,741,845. CAR-TRUCK SIDE FRAME. GEORGE T. JOHNSON and HARRY W. STERTZBACH, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Filed May 24, 1928. Serial No. 280,315. 10 Claims. (Cl. 105-205.)



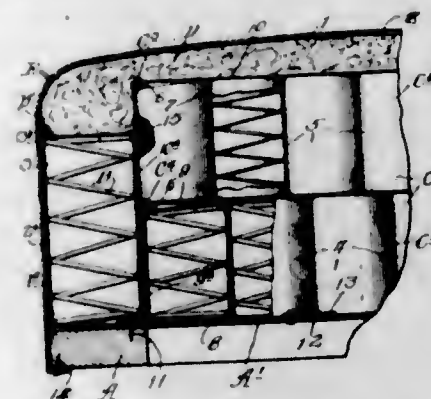
1. A side frame comprising a top member, a bottom member, and columns connecting said members, the bottom member extending horizontally across the lower ends of the columns to points beyond the columns and then curving upwardly, and a central longitudinal rib between the top and bottom walls of the curved portion of the bottom member.

1,741,846. PARASOL AND UMBRELLA. OSCAR I. KAHN, New York, N. Y. Filed Mar. 15, 1927. Serial No. 175,495. 1 Claim. (Cl. 135-56.)



In a parasol having a segmental top, the edges of the adjoining segments of said top being folded upon themselves to provide a stitched upstanding portion, a clip adapted to removably secure said top to a rib of the parasol, said clip comprising lateral prongs adapted to pierce and effect engagement with said upstanding portion of said top and presenting substantially parallel resilient arms adapted to releasably engage said rib.

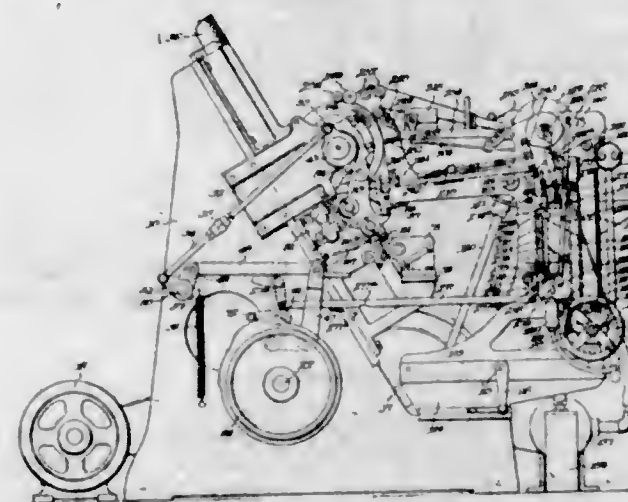
1,741,847. CUSHION CONSTRUCTION. FRANK KASPAR, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed May 14, 1926. Serial No. 109,078. 2 Claims. (Cl. 5-351.)



1. A cushion comprising a base, an outer marginal row of relatively stiff upholstery springs mounted on said base, an inner main body of upholstery springs mounted directly on said base and extending substantially above said outer marginal row of springs, the upper portion of the inner main body of springs being relatively yielding and the lower portion being relatively stiff, individual fabric cas-

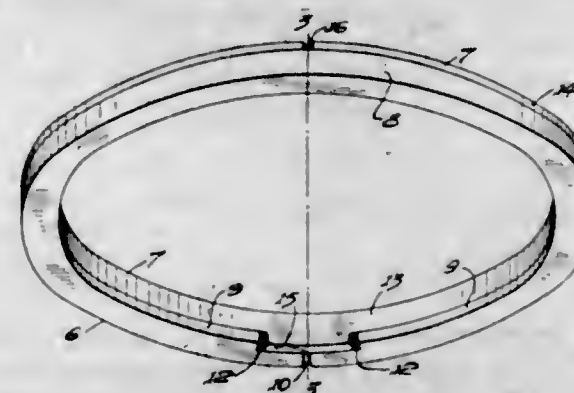
ings enclosing individual springs of the groups mentioned, a marginal rod secured to the upper end portions of the outer marginal row of springs, a marginal rod secured to the upper portion of the main body of springs, connections between the upper portion of the outer row of springs and the adjacent intermediate portions of the inner main body of springs, stuffing material above said springs, and a flexible covering enclosing the stuffing material and springs and secured to said base.

1,741,848. PRINTING PRESS. WILLIAM M. KELLY, Westfield, N. J., assignor to American Type Founders Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 19, 1924. Serial No. 738,677. 109 Claims. (Cl. 101-278.)



1. In a jobber press, a bed, means to reciprocate the bed, a cylinder, means to throw the impression on and off, means to rotate the cylinder in time with the reciprocation of the bed, a feed board disposed to feed sheets to the cylinder, and means to take the sheets from the cylinder under positive control substantially 180° from the point where they are fed.

1,741,849. PISTON RING. ROBERT E. KIEN, New York, N. Y. Filed Aug. 31, 1929. Serial No. 389,754. 4 Claims. (Cl. 74-109.)



1. A piston ring assembly including a packing ring member, and an expansion ring member, said packing ring member comprising a split body having an annular offset flange that is cut away on opposite sides of the split leaving unflanged terminals of the body on opposite sides of the split, said expansion ring member having a split body portion extending around the inner side of the packing ring, at one side of the flange thereof and having its joint open and unsealed to form a port for the entry of fluid behind the ring assembly, said expansion ring having a depending tongue that extends between the ends of said flange the depth of the packing ring and bridges and seals the cut or joint between the unflanged terminals of the body of the packing ring to prevent the escape of fluid from behind the ring assembly.

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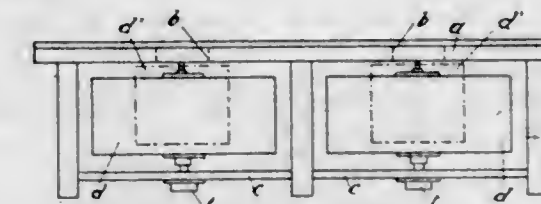
1,741,850. CROSSCUT-SAW JOINTER. THEODORE C. LA BARE, Seattle, Wash. Filed July 12, 1927. Serial No. 205,250. 6 Claims. (Cl. 76-47.)



1. In a device of the class described, a plate, a spring member attached to the face of the said plate and positioned perpendicularly thereto, means for adjusting the curvature of the said spring member by adjustably holding the member at a plurality of points, means for holding a file adjacent to the said spring member and means for adjusting the position of the file.

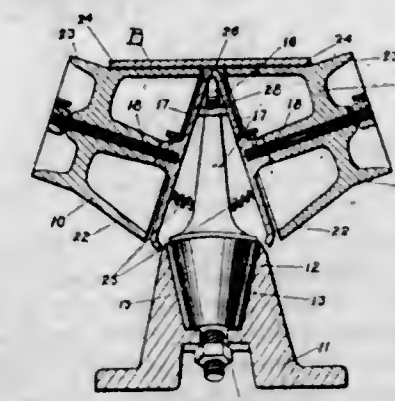
4. In a device of the class described, a plate, spring guards on the face of the plate with their inner ends attached to it, adjustable means for holding each of the spring guards at a plurality of points, means for holding a file between the said guards and means for adjusting the position of the said file.

1,741,851. MARINE LIFE-SAVING APPARATUS. ARTHUR LEHR, Hamburg, Germany. Filed Nov. 2, 1928. Serial No. 316,751, and in Germany Aug. 20, 1928. 5 Claims. (Cl. 9-12.)



1. A life-saving apparatus comprising a bench, elongated floats mounted swivelly within said bench, and means for turning said floats automatically from a longitudinal into a transverse position relative to the bench on the latter being set adrift.

1,741,852. BELT GUIDE. GUSTAV LE RUD, Argusville, N. Dak. Filed Sept. 3, 1926. Serial No. 133,385. 6 Claims. (Cl. 74-51.)

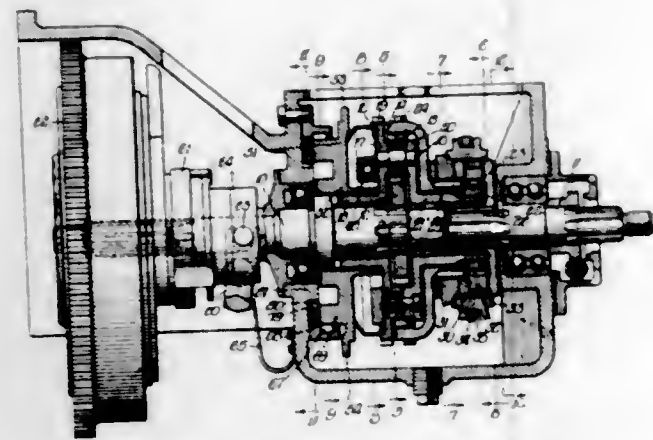


1. An automatic belt guide including, a pair of pulleys, an angular support for said pulleys, operable means by the motion of the belt for rotatably and hingedly supporting said support between said pulleys, and means to limit the transverse shifting movement of the belt guided by said belt guide.

1,741,853. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Hinsdale, Ill., assignor, by mesne assignments, to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 19, 1928. Serial No. 262,646. 25 Claims. (Cl. 74-97.)

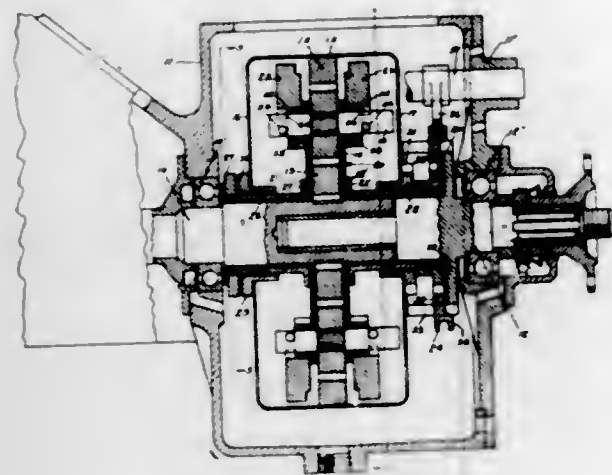
1. In a transmission, a driving element, a driven element, means for connecting said driving and driven ele-

ments in different speed ratios, and means for automatically varying the ratio comprising a normally stationary cam member, a releasable connection determined by the



position of said cam member, and a centrifugally-operated weight member for rotating said cam member and changing the position thereof.

1,741,854. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Rockford, ROGER B. McMULLEN, Jr., Evanston, and ALBERT M. LANE, Rockford, Ill., assignors to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 9, 1928. Serial No. 291,250. 4 Claims. (Cl. 74-34.)

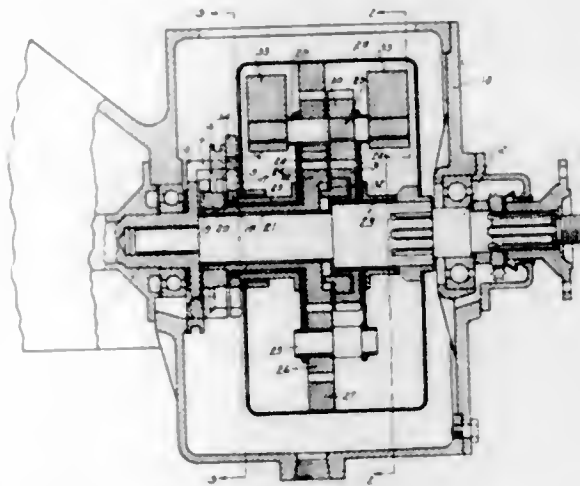


1. In an automatic transmission, a driving shaft, a driven shaft, a planetary gear train, means for connecting one element of said train with said driving shaft, means for connecting either one of two other elements of said train with said driven shaft, means for holding either one of said last mentioned elements against rotation in one direction when the other is connected with said driven element, and means for gradually retarding the planetary movement in said train when the driving shaft is rotated.

1,741,855. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Rockford, Ill., assignor to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 9, 1928. Serial No. 291,395. 29 Claims. (Cl. 74-34.)

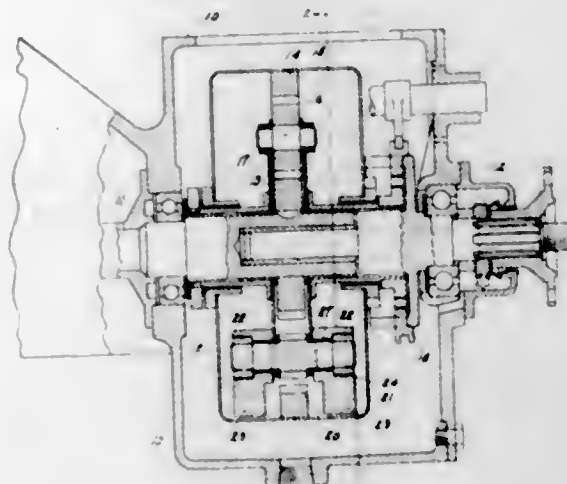
1. In an automatic transmission, a driving shaft, a driven shaft, a planet gear spider, means for connecting said spider with said driving shaft, a ring gear, means for connecting said ring gear with said driven shaft, a primary sun gear, primary planet gears journaled in said

spider in mesh with said ring gear and said primary sun gear, a secondary sun gear, a one-way clutch connecting said primary and secondary sun gears, secondary planet



gears journaled in said spider in mesh only with said secondary sun gear, and weights associated with said secondary planet gears.

1,741,856. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN and ALBERT M. LANE, Rockford, Ill., assignors to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 9, 1928. Serial No. 291,297. 15 Claims. (Cl. 74-34.)

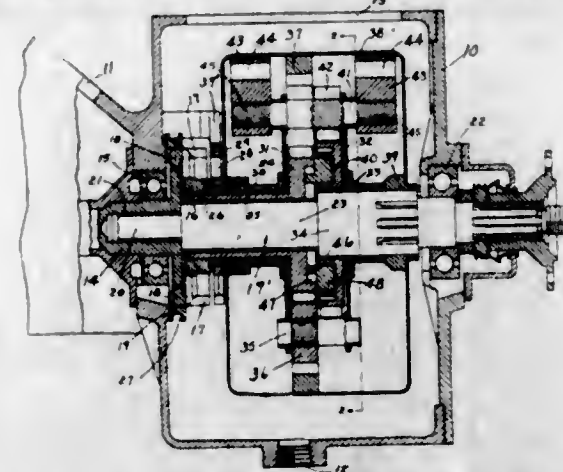


1. In an automatic transmission, a driving shaft, a driven shaft, a planetary gear train including a sun gear, ring gear, planet gear spider and planet gears connecting said shafts, weights mounted for eccentric rotation, and connecting means between the weights and the planet gears for causing the weights to rotate faster than the planet gears.

1,741,857. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Rockford, and ROGER B. McMULLEN, Jr., Evanston, Ill., assignors to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 9, 1928. Serial No. 291,298. Renewed Nov. 18, 1929. 5 Claims. (Cl. 74-34.)

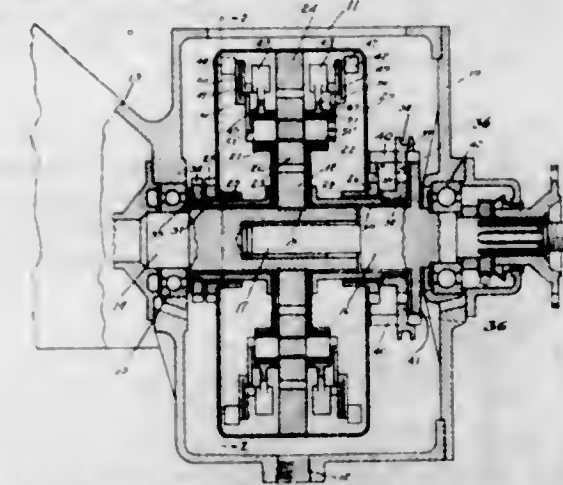
1. In a transmission, driving and driven shafts, speed changing mechanism connecting said shafts comprising a planetary gear train, and means for automatically controlling said mechanism, comprising a secondary gear train

of different gear ratio than that of the corresponding gears in said first named gear train; a centrifugal weight



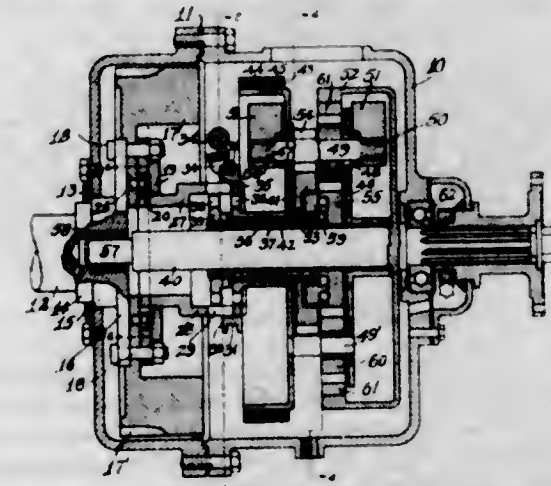
connected in driving relation with a gear in said secondary gear train and a one way clutch connecting said gear trains.

1,741,858. AUTOMATIC TRANSMISSION. ROGER B. McMULLEN, Jr., Evanston, Ill., assignor to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 9, 1928. Serial No. 291,252. 11 Claims. (Cl. 74-34.)



1. In a transmission, driving and driven shafts, a planetary gear train connecting said shafts, a planetary shaft in said gear train and means for automatically changing the driving ratio of said gear train comprising a centrifugal weight mounted for oscillation about the axis of said planetary shaft and a link motion connecting said weight with said shaft.

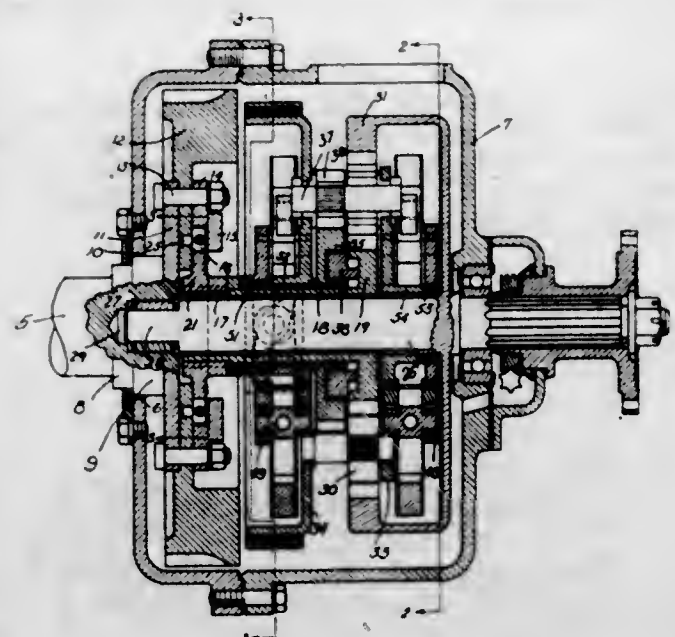
1,741,859. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN and ALBERT M. LANE, Rockford, Ill., assignors to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 19, 1928. Serial No. 293,866. 14 Claims. (Cl. 74-34.)



1. In a transmission, driving and driven shafts, and automatic planetary change speed mechanism connecting

said shafts, a fly-wheel on the driving shaft, a manually operated clutch associated with said fly-wheel, a manually operated clutching connection between the driving shaft and the planetary change speed mechanism, a flexible drive between the drive shaft and said manually operable clutching connection, a spider in said change speed mechanism coacting with said manually operable clutching means and through which forward speeds are taken into the change speed mechanism, a sun gear in said change speed mechanism through which reversing speeds are taken into the mechanism, said sun gear having drive reversing means also coacting with said manually operable clutching means, a ring gear in said change speed mechanism, planet gears meshing with said ring gear and said sun gear, a secondary sun gear and secondary planet gears for imparting forward drives to said first named sun gear from said spider, and centrifugal weights operated by the rotation of the said spider for developing a retarding effect in the planetating movement of the primary planetating gears.

1,741,860. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN and ALBERT M. LANE, Rockford, Ill., assignors to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 26, 1928. Serial No. 295,572. Renewed Nov. 18, 1929. 20 Claims. (Cl. 74-34.)

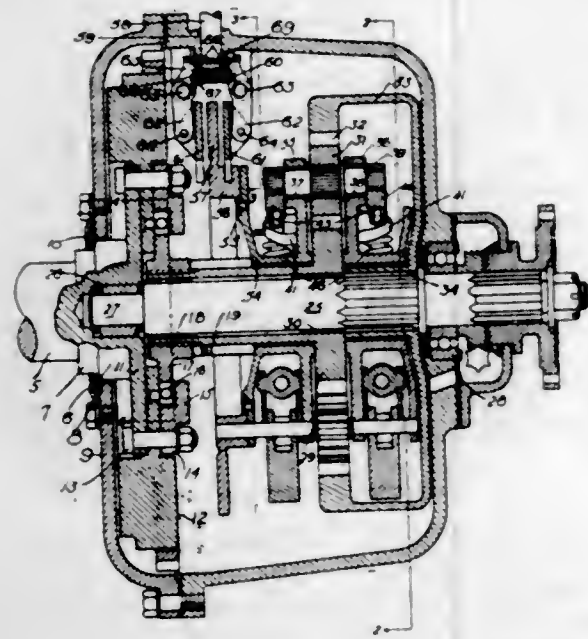


1. In a transmission, driving and driven shafts, planetary change speed mechanism connecting said shafts and means for automatically controlling said mechanism comprising a plurality of spring devices, draw rods on which said spring devices are mounted, eccentric connections between said draw rods and rotatable elements in said planetary change speed mechanism, a plurality of centrifugal weights, each of said weights having a pivoted block thereon through which said draw rods extend, said spring devices being confined on said draw rods between said blocks and anchoring means on the ends of the rods; whereby reciprocation of the rods will be resisted by the spring devices.

1,741,861. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN and ALBERT M. LANE, Rockford, Ill., assignors to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed July 30, 1928. Serial No. 296,156. 12 Claims. (Cl. 74-34.)

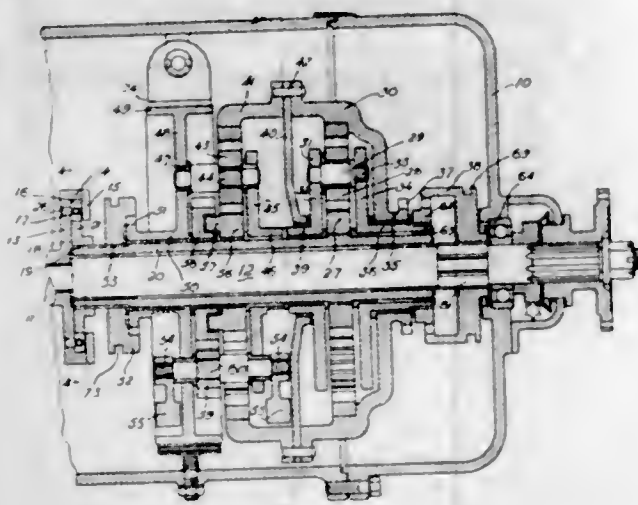
1. In a transmission, driving and driven shafts, planetary change speed mechanism connecting said shafts comprising a sun gear, means for connecting said sun gear in driving relation with the driving shaft, a ring gear connected in driving relation with the driven shaft, a plu-

rality of planet gears meshing with said sun gear and said ring gear, and means for automatically controlling



said mechanism comprising a spring resistance device directly associated with said planetating gears and speed responsive means for varying the resistance in said device.

1,741,862. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Rockford, Ill., assignor to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 1, 1928. Serial No. 296,646. 16 Claims. (Cl. 74-34.)

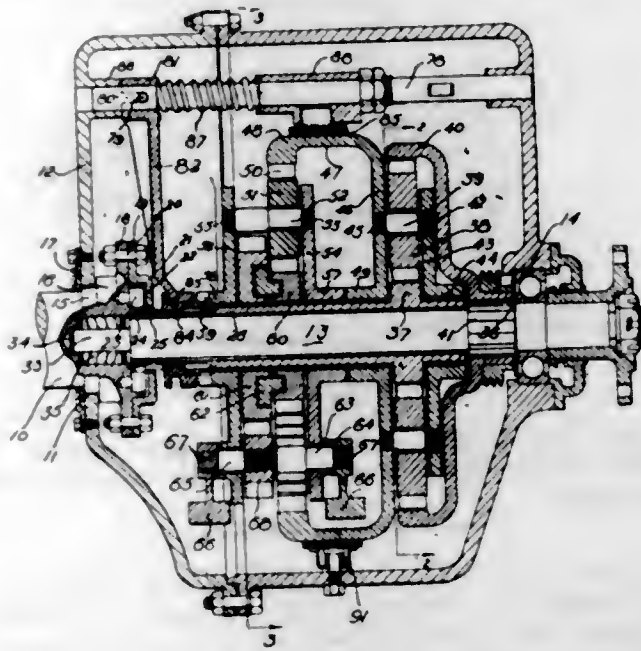


1. In a transmission, driving and driven shafts, planetary change speed mechanism connecting said shafts, comprising primary and secondary planetating gear systems and speed responsive means associated with one of said systems for automatically controlling the planetating motion in the other system, and inter-connected ring gears for said systems through which said control is transmitted.

1,741,863. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Rockford, Ill., assignor to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 4, 1928. Serial No. 297,518. Renewed Nov. 18, 1929. 14 Claims. (Cl. 74-34.)

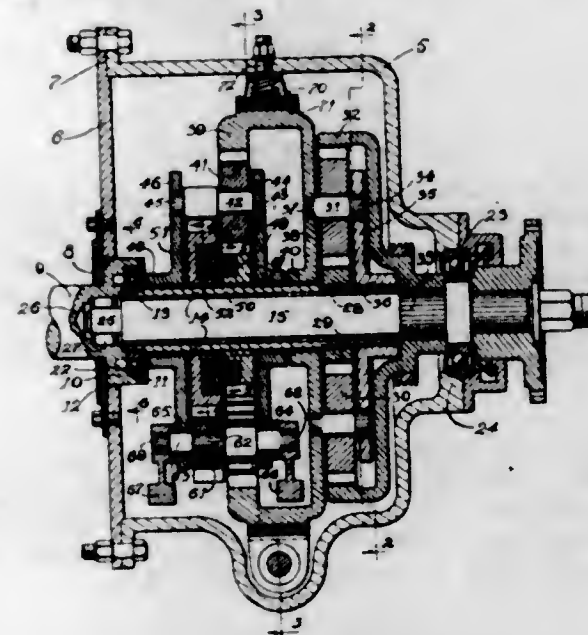
1. In an automatic transmission, driving and driven shafts, planetary change speed mechanism connecting said shafts, comprising primary and secondary planetating gear systems, a supplemental planetating gear system, one-way clutching means connecting the supplemental system with the secondary system, centrifugal responsive means in

said supplemental system, planet carrier for the supplemental system and the secondary system, means for connecting said carriers with the driving shaft, a



combined planet carrier and ring gear for connecting the primary and secondary systems, a ring gear for the primary system, and means for connecting said ring gear in driving relation with the driven shaft.

1,741,864. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Rockford, Ill., assignor to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 9, 1928. Serial No. 298,453. 12 Claims. (Cl. 74-34.)

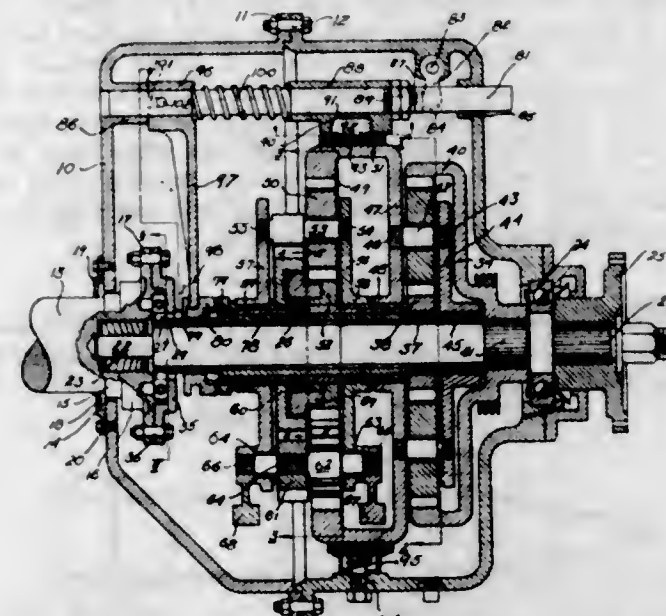


1. In a transmission, driving and driven shafts, planetary change speed mechanism connecting said shaft comprising primary and secondary planetating gear systems, a combined ring gear and planet carrier connecting said systems, a sun gear in each system, means for connecting said sun gears with the driving shaft, and centrifugal responsive means for automatically controlling said mechanism.

1,741,865. AUTOMATIC TRANSMISSION. KENNETH E. LYMAN, Rockford, Ill., assignor to Automatic Transmission Company, Rockford, Ill., a Corporation of Illinois. Filed Sept. 12, 1928. Serial No. 305,364. Renewed Nov. 18, 1929. 15 Claims. (Cl. 74-34.)

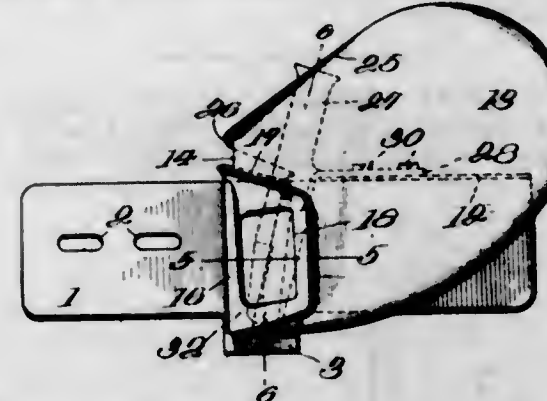
1. In an automatic transmission, driving and driven shafts, planetary change speed mechanism for connecting

said shafts in different speed ratios, comprising primary and secondary gear systems each having a sun gear, means for connecting said sun gears with the driving shaft, means for reversing the drive in said mechanism, means



for disconnecting one of said sun gears from the driving shaft when the drive in the mechanism is reversed, and means for automatically changing the driving ratio in said transmission.

1,741,866. COMBINED HEM FOLDER AND STRIP GUIDE. JOSEPH MANN, Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 6, 1925. Serial No. 13,466. 17 Claims. (Cl. 112-136.)

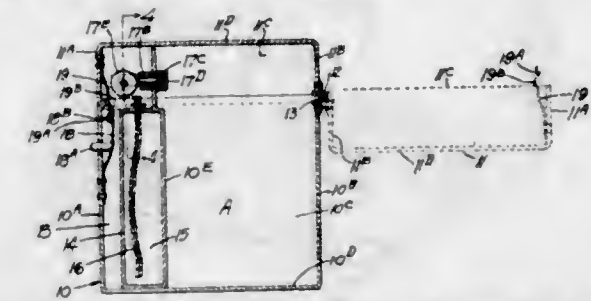


1. The combination of stitch forming mechanism having spaced needles for forming independent lines of stitching, a hem folder located in front of said needles and having means for forming a hem pocket in the edge portion of a fabric and directing the same to said needles whereby a pocket is formed between the lines of stitching, a tubular guide for guiding an elastic strip, said guide being mounted on said hem folder and extending into the same to a point adjacent the delivery end thereof so as to deliver the elastic strip into the pocket formed by the needles, and means whereby said guide may be moved transversely of the folder from one set position to another, so that said elastic strip may be properly positioned relative to the line of stitching.

1,741,867. COMBINED CIGARETTE CASE AND LIGHTER. JOSEPH MARA, Chicago, Ill. Filed Mar. 21, 1928. Serial No. 266,188. 1 Claim. (Cl. 206-41.4.)

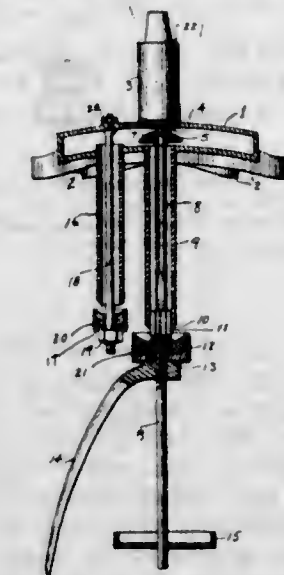
A combined cigarette case and lighter comprising an open top case, a cover hingedly mounted on said case, a spring adapted to quickly and forcibly swing said cover into open position upon its release from latched position, a partition wall in said case extending above the top thereof and dividing the interior of said case into a stor-

age compartment for the cigarettes and a compartment for an inflammable fluid container, a wick extending from within said container and above the top thereof, an igniting device supported on said partition wall above said wick and adapted to ignite said wick, said igniting device comprising a housing supported on the upper portion of said



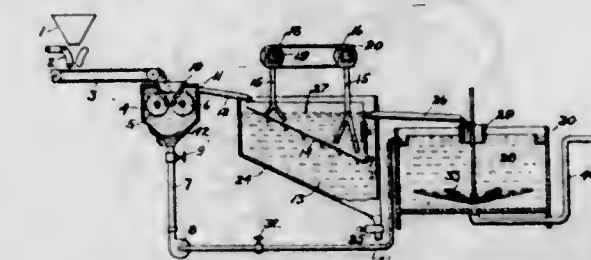
partition wall, a spring pressed flint supported in said housing, a friction wheel carried on said housing and adapted to frictionally engage said flint, a spring latch, and a flexible member supported on said cover having means for frictionally engaging said friction wheel and flexible member having means adapted to be releasably retained by said latch.

1,741,868. OIL-BURNING APPARATUS. WILLIAM C. MCKESSON, Chicago, Ill. Filed Feb. 13, 1928. Serial No. 254,071. 3 Claims. (Cl. 158-63.)



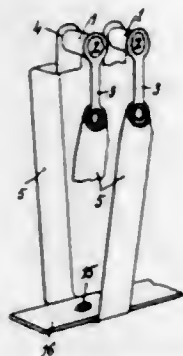
1. In apparatus of the kind described, a generator chamber, a fuel oil inlet pipe entering the said generator chamber through a vapor outlet pipe, an oil distributor head on said inlet pipe adapted to discharge oil beyond the edges of the vapor outlet pipe, a vapor control valve consisting of a valve seat on the lower end of said vapor outlet pipe and an adjustable valve seat cup, means for adjusting the said valve seat cup, and an oil cup beneath the said valve seat cup adapted to receive oil overflowing from the generator chamber through the vapor outlet tube.

1,741,869. PROCESS OF REFINING ASBESTOS ORE. FREDERICK A. METT, Woodlawn, Md., assignor to Powhatan Mining Corporation, a Corporation of Maryland. Filed Aug. 23, 1923. Serial No. 659,000. 2 Claims. (Cl. 209-2.)



1. In a process of refining asbestos, subjecting comminuted asbestos ore while in a non-solvent liquid to a combined drawing and rubbing action.

1,741,870. THERMOELECTRIC COUPLE. CHARLES MIEVILLE, Paris, France. Filed Apr. 27, 1926, Serial No. 105,025, and in France July 25, 1925. 2 Claims. (Cl. 136—4.)



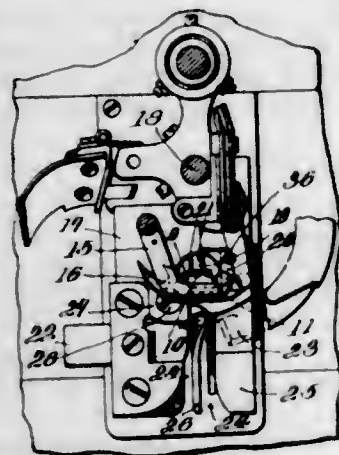
1. A thermo-electric couple comprising elements which are oppositely situated in pairs, heating means interposed between the said elements, means exercising pressure upon each pair of the said oppositely situated elements, whereby the hot joints and the cold joints are strongly pressed together, a toothed insulating plate, the part of said plate between two teeth being situated between the two oppositely situated hot joints, and an electric heating resistance wound solely upon the parts of said plate which are situated between two teeth, whereby the heat will be concentrated upon the hot joints and the heat losses by radiation will be obviated.

1,741,871. AUTOMATIC SHADE ROLLER. ALGIE R. MITCHELL, Fort Thomas, Ky. Filed Nov. 9, 1928. Serial No. 147,280. 4 Claims. (Cl. 121—44.)



1. A shade roller of the class described comprising a shaft provided in its outer periphery with a helical grooved thread, brackets for supporting said shaft, journals positioned near the ends of said shaft, a hollow roller rotatably mounted upon said journals, a piston on said shaft, teeth on said piston adapted to be received by said grooved thread whereby said piston is given a rotary motion when moved longitudinally upon said shaft by suction producing means, a rib on the inner periphery of said hollow roller, and a groove in the outer periphery of said piston adapted to receive said rib whereby the rotary motion of said piston is imparted to said roller, for the purposes specified.

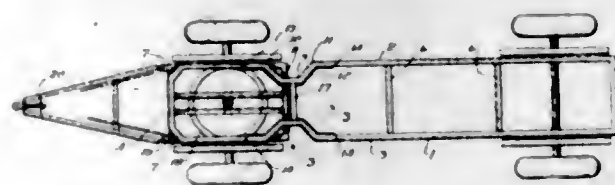
1,741,872. MACHINE FOR LAPPING AND STITCHING FABRIC SECTIONS. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1928. Serial No. 248,456. 11 Claims. (Cl. 112—235.)



1. The combination of stitch forming mechanism including a plurality of needles, horizontally disposed trim-

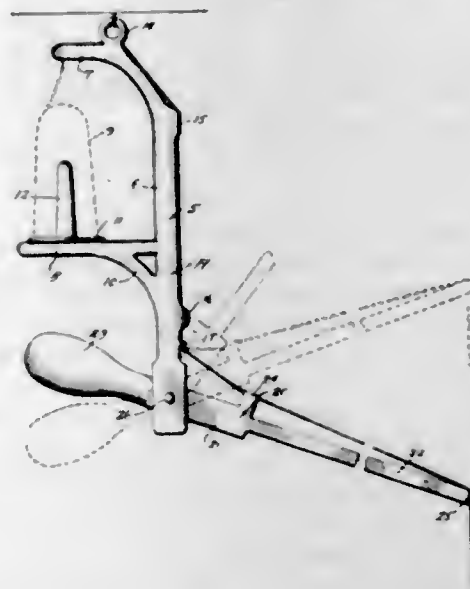
ming blades arranged in advance of the needles, and a presser foot having an opening for the needles and a guiding channel extending from the front end of the presser foot to a point in front of the opening, a finger carried by the presser foot and extending lengthwise of and dividing said channel, said finger being disposed so as to guide the upturned edge portions of fabric sections to the trimming blades, said presser foot having means at the inner end of said guiding channels for turning down the edge portions of the fabric sections after they are trimmed, the means at the end of one channel being in advance of the other, whereby first one trimmed edge portion is turned down and then the other.

1,741,873. TRAILER-FRAME CONSTRUCTION. AXEL O. NORDINE, Seattle, Wash. Filed May 31, 1928. Serial No. 281,644. 1 Claim. (Cl. 280—106.)



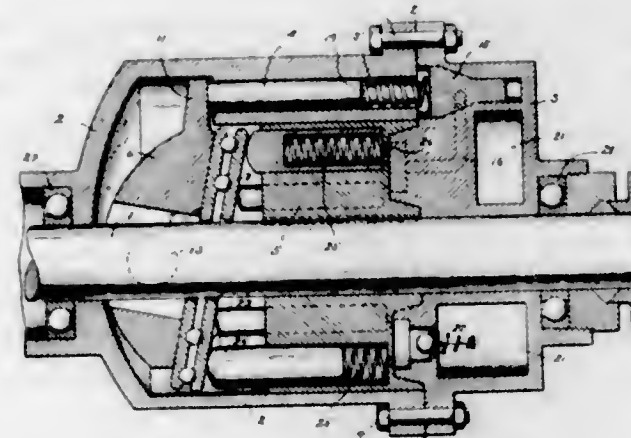
In a device of the class described a frame formed of channels with parallel side beams connected at the ends and intermediate of the ends, the forward corners being formed diagonally to clear the wheels at the front when making a turn, the said side members provided with indentations to clear the wheels when making a turn at the rear, a strut connecting the side members at the indentations and reinforcing plates welded between the tips of the flanges of the said side members and extending from points slightly ahead of the beginning of the said indentations to points slightly behind the finish of the said indentations.

1,741,874. TWINE HOLDER. HUBERT OAKLEY and JAMES F. NEWBERRY, Davis, Okla. Filed Dec. 28, 1927. Serial No. 242,982. 3 Claims. (Cl. 242—144.)



1. In a twine holder, an integral supporting frame including a standard having a cross slot at its lower end and a laterally extending guide arm at its upper end, a supporting arm formed on the standard for receiving the twine, a lever received in said cross slot, means for pivotally securing the lever in position, the lever having a weighted portion at one end and an extended arm at the other end, the weighted portion being arranged below the supporting arm and the guide arm and in the same vertical plane therewith, and guide eyes carried by the frame and lever arm.

1,741,875. BRAKE. JULIUS PAUL, Duluth, Minn., assignor of fifty per cent to Richard M. Sellwood, Duluth, Minn. Filed Jan. 21, 1928. Serial No. 248,453. 2 Claims. (Cl. 188—91.)



1. The combination with a shaft, of a housing thereupon, a pump runner within the housing and keyed to the shaft, a plurality of reciprocable pistons within the runner and parallel with the shaft, means for governing the reciprocation of the pistons during their revolutions with the shaft, an oil supply within the housing for the cylinders of the pistons, a selectively controlled bypass intermediate of the intaking and discharging cylinders whereby braking may be applied to the shaft.

1,741,876. BUCKLE. ARTURO PRIMA, Fordson, Mich. Filed Dec. 6, 1928. Serial No. 324,168. 1 Claim. (Cl. 24—71.)



In a device of the character described, a buckle comprising a pair of similar plates of rectangular form adapted to be riveted at their inner and outer edges to a shoe upper at opposite sides of an opening, each plate being formed with an intermediate struck up channel to form a pivotal bearing, a pair of rectangular links pivotally attached to said plates in said bearings, and an arched spring connecting plate pivotally attached to the outer ends of said links and co-operating therewith.

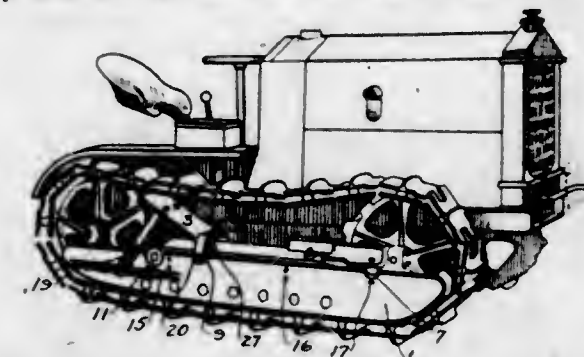
1,741,877. NEW PROCESS OF PREPARING PHENYL-OXALYL ACETIC-ACID ALKYL ESTERS. RUFUS H. PRITCHETT, Rensselaer, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 19, 1929. Serial No. 333,750. 6 Claims. (Cl. 260—106.)

1. The process which comprises causing a phenyl-acetic-acid-alkylester to react with an oxalic-acid-dialkylester in the presence of sodium-alcoholate and dry alcohol.

1,741,878. TRACTOR-TRACK INCLOSURE. CHARLES M. RASMUSSEN, Seattle, Wash. Filed Feb. 8, 1926. Serial No. 86,724. 1 Claim. (Cl. 305—9.)

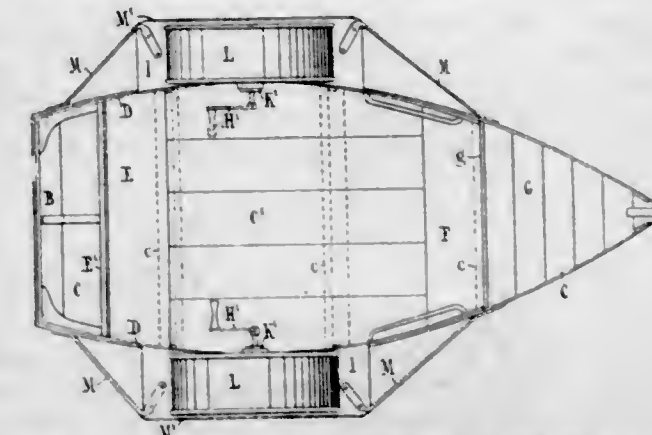
In a tractor frame structure having an idler sprocket at the front end, a driving sprocket at the rear end, an endless track trained about said sprockets, and a housing

for the lower stretch of said track intermediate the sprockets comprising a pair of side plates and a top plate, the combination with said housing of a fender plate pivotally mounted at one end on top of said housing and



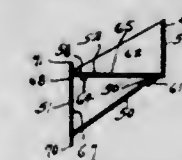
inclined upwardly therefrom toward said driving sprocket to deflect dirt falling from the upper stretch of said track, and a pair of arms extending downwardly from said fender plate and adjustably secured to said side plates.

1,741,879. HAND-PROPELLED PADDLE BOAT. JOHN HENRY RATHBONE and HERBERT RATHBONE, Stretford, England. Filed Apr. 20, 1929, Serial No. 357,671, and in Great Britain May 17, 1928. 1 Claim. (Cl. 115—23.)



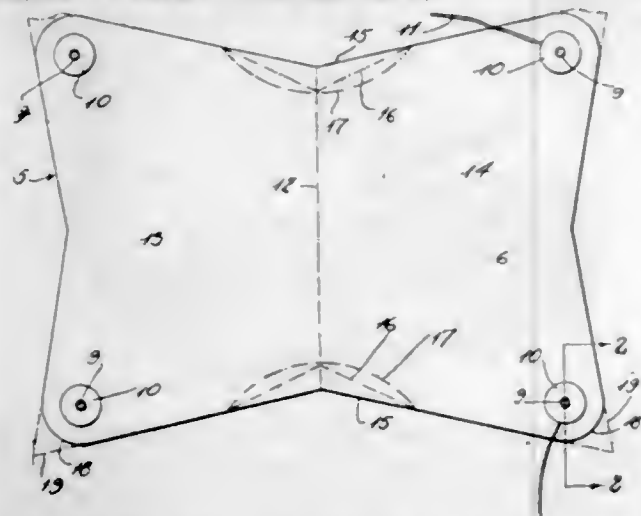
A paddle boat of the type referred to having a pointed bow, a square stern, a flat bottom, transverse bearers and floor boards covering the bottom and bearers, two seats one near the stern facing the bow of the boat and the other near the bow facing the stern, approximately vertical sides to allow of the seats being occupied by two persons, a back rest for the stern seat, a forward deck covering in the bow of the boat to the forward seat and forming a back rest for such seat, a paddle wheel on each side of the boat, shafts passing through the sides of the boat upon which the paddle wheels are mounted, a cranked handle directly mounted on each shaft by which it is rotated, circular paddle boxes projecting from the sides of the boat, plates upon which the paddle boxes are carried, and diagonal stays serving as buffers to guard the paddles, boxes connecting the plates fore and aft to the sides of the boat and water tight glands through which the shafts pass.

1,741,880. DISPLAY DEVICE. LESTER C. RAU, Cincinnati, Ohio. Filed May 4, 1928. Serial No. 275,221. 3 Claims. (Cl. 211—90.)



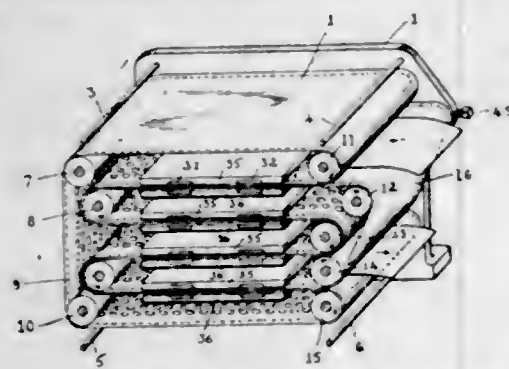
1. A display device for windows formed from flexible sheet material and comprising a vertical front adapted to be attached to a vertical support, a horizontal shelf comprising a single layer of sheet material integral with said front, a vertical apron, a support integral with said front and extending upwardly and rearwardly in supporting engagement with said shelf, and means whereby said apron can be utilized to brace said support.

1,741,881. SANITARY WEARING APPAREL. LESTER J. RICH, New York, N. Y. Filed Feb. 2, 1928. Serial No. 251,352. 4 Claims. (Cl. 128-284.)



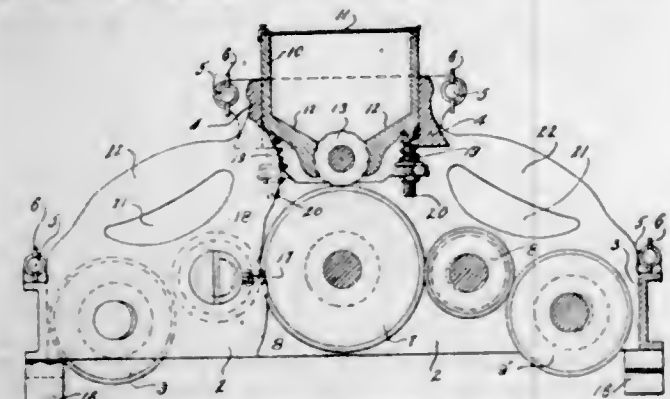
1. A sanitary article of wearing apparel for children comprising a sheet member formed of destructible absorbent material and of generally rectangular shape, and cord-fastener disks secured to the four corner portions of said sheet member upon the outer side of the latter.

1,741,882. MACHINE FOR DRYING PHOTOGRAPHIC PRINTS. JAMES W. ROBINSON, Rochester, N. Y., assignor of one-fourth to Ambrose A. Merry and one-fourth to Richard Walter White, Rochester, N. Y. Filed July 5, 1928. Serial No. 290,307. 4 Claims. (Cl. 34-12.)



1. The combination in a machine for drying photographic prints of a pair of endless belts, two series of rollers over which said belts pass in a serpentine path, the belts being arranged in parallel planes one above another, several rollers being in common to both series and causing the belts to travel together, said belts being each made up of a layer of canvas and a layer of metal fastened together, said metal belt having a large number of perforations therein to provide for ventilation, the canvas layers coming together between the metal layers and being adapted to hold the photographs between them.

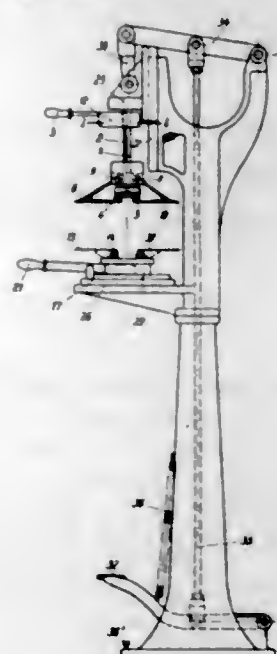
1,741,883. INKING CARRIAGE. HARRISON CALVIN RYAN, Shaker Heights, Ohio. Filed Dec. 27, 1927. Serial No. 242,789. 4 Claims. (Cl. 101-355.)



1. In an inking carriage, a frame having side plate portions, a pair of inking rollers mounted in said portions, one of said rollers being arranged to feed ink to the other

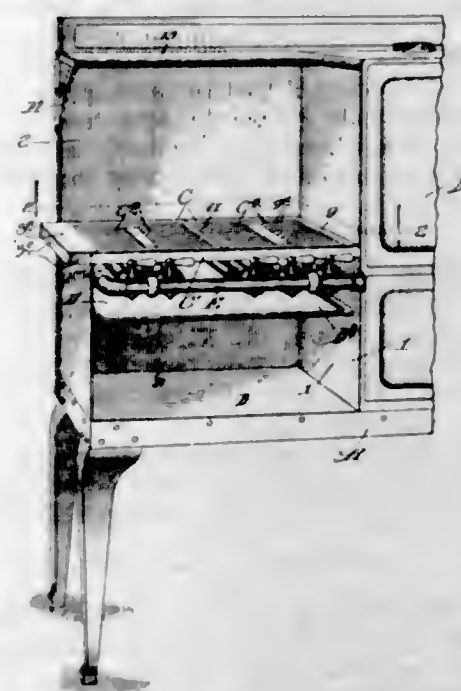
roller, said other roller being arranged in supporting relation with said frame and being movable therein to engage or clear, dependent upon the direction of carriage movement, the first roller.

1,741,884. MACHINE FOR THE MECHANICAL PRODUCTION OF PAPER CUPS PRESSED IN FOLDS. EMIL SCHMIDT, Leipzig, Germany. Filed Feb. 2, 1928. Serial No. 251,388, and in Germany Feb. 3, 1927. 5 Claims. (Cl. 93-60.)



1. A machine for the mechanical production of drinking cups pressed in plating-like folds from single paper sheets, comprising in combination outer folding elements carrying the paper disk to be folded, inner folding elements, means for lowering said inner folding elements to press on said paper disk, means for carrying said outer folding elements, and means for suddenly oscillating upward said outer folding elements and through the same said inner folding elements so that the paper disk held between said two sets of elements is folded plating-like and turned upward to form a cup.

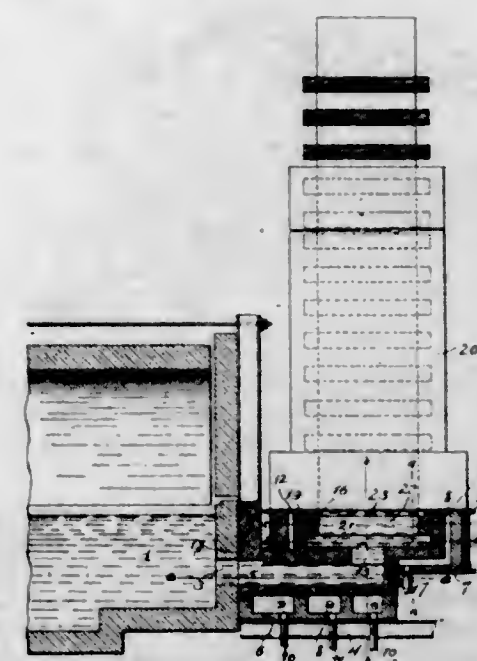
1,741,885. GAS RANGE. WILSON A. SMITH, Chicago, Ill., assignor to Cribben & Sexton Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 25, 1928. Serial No. 257,086. 4 Claims. (Cl. 126-39.)



1. In a gas-range, a base, an oven supported thereon, a rear-wall and an end-wall rising from said base, and a cook-

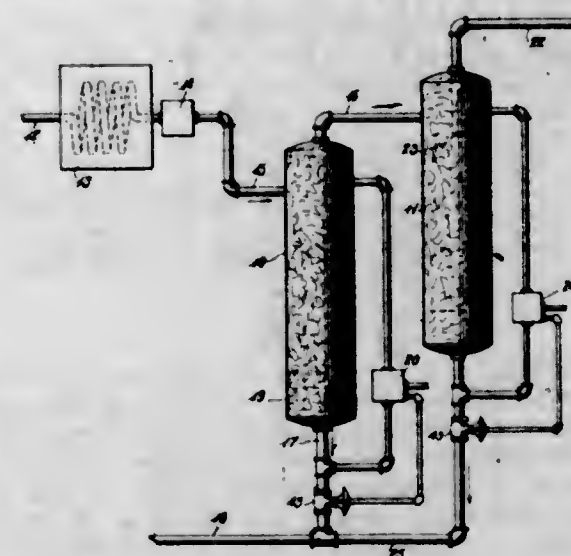
ing-top comprising a perimetral bar secured to said walls and oven, and a plurality of grid-plates having marginal plate-ports overlying the members of said bar and equipped with flanges engaging the inner edges thereof, one of said grid-plates having an end plate-portion provided with an extension affording a shelf projecting beyond said end-wall and having a longitudinal plate-portion equipped with a lug engaged beneath said perimetral bar.

1,741,886. ART OF SHEET-GLASS MANUFACTURE. LAURENCE E. STEWART, Bradford, Pa., assignor to Rolland Glass Company, Clarksburg, W. Va. Filed June 6, 1925. Serial No. 35,412. 2 Claims. (Cl. 49-56.)



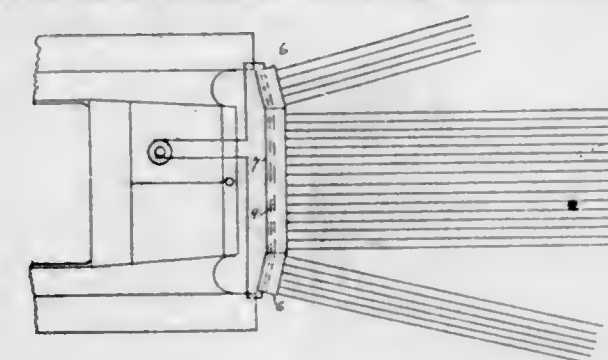
1. The combination with a glass-melting tank, of a drawing pot in juxtaposition to the tank and having an inner wall defining a passage leading from the tank to a point of draw, an outer wall housing the inner wall and having flues therein, means for supplying heat to the flues, a heat-insulating cover upon the exterior of the outer wall, and a casing binding the parts together.

1,741,887. APPARATUS FOR REFINING OIL. CHARLES WALCOTT STRATFORD and WILLIAM S. JAMES, San Francisco, Calif. Filed July 8, 1926. Serial No. 121,227. 5 Claims. (Cl. 196-82.)



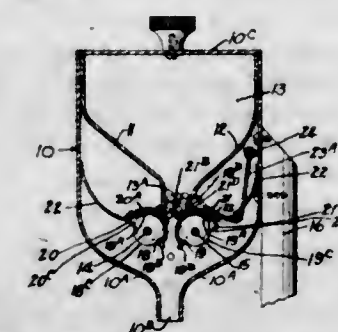
1. An apparatus for refining oil comprising a substantially vertical cylinder, means to inject oil tangentially into the cylinder, a top vapor outlet extending below the point of injection and a bottom liquid drawoff, means for maintaining a liquid seal over the lower liquid drawoff.

1,741,888. HEADLIGHT PROJECTOR. FREDERICK TRANSOM, Washington, D. C. Filed June 27, 1925. Serial No. 40,094. 4 Claims. (Cl. 240-7.1.)



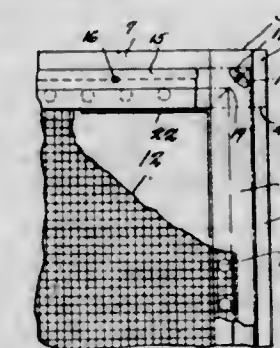
1. In a vehicle headlight projector, windows inclined in different planes, and illuminating means for said windows comprising mercury vapor tube sections extending parallel to the windows they illuminate.

1,741,889. TOOTHPICK DISPENSER. LOUIS TRNOVEC, Willow Springs, Ill. Filed Mar. 31, 1928. Serial No. 266,232. 5 Claims. (Cl. 312-83.)



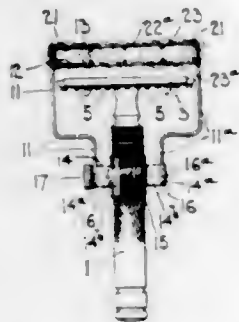
1. A toothpick dispensing device including a storage hopper for the toothpicks having an elongated discharge opening, a manually operable feed mechanism oscillatably supported below said hopper discharge opening comprising a pair of coacting supports adapted upon oscillation in one direction to receive a single toothpick from said hopper opening and to discharge said single toothpick upon a reverse oscillation thereof, and means for retaining the toothpick adjacent to the one to be discharged in a position to be received by said coacting supports upon the discharge of the toothpick supported thereon and the return of said coacting supports into receiving position.

1,741,890. AUTO SCREEN. BENNETT G. TURNER, Los Angeles, Calif. Filed Feb. 11, 1928. Serial No. 253,663. 2 Claims. (Cl. 150-14.)



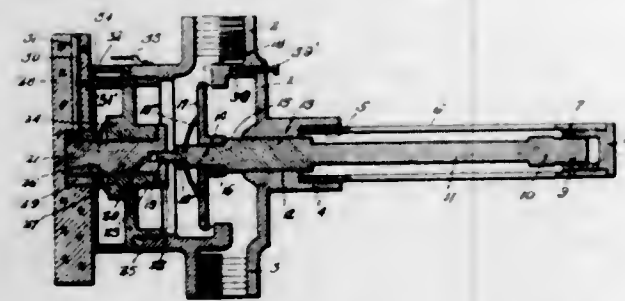
1. In a device of the class described, a frame comprising cooperating corner-forming members, one of which has a notch in its end, the other of which has a reduced tongue received in the notch, a securing element passing through the tongue and said end and bifurcated to form oppositely extended fingers overlapped on said end, a screen on the frame, and retarding strips superposed on the screen and secured to the frame, the strips being beveled in substantial alignment with the line where the securing element is bifurcated, one strip overlapping one of the fingers, and the other strip overlapping the other of the fingers.

1,741,891. SAFETY RAZOR. CECIL NOEL VALLON, Cobham, England. Filed Mar. 29, 1929, Serial No. 350,925, and in Great Britain Feb. 20, 1929. 9 Claims. (Cl. 30-12.)



1. A device for attachment to a safety razor the said device comprising, in combination, a holder for a sponge, members or arms carrying the said holder and pivotally connected with means adapted to embrace and tightly grip the handle of the razor, and means whereby the said arms can be adjusted to and fixed in a position with the sponge holder and sponge in a predetermined operative position relative to the cutting edge of the razor blade, the construction and arrangement being such that the said members or arms can be turned to and held in a position more or less parallel with the handle of the razor, to thereby place the sponge holder and sponge in an operative position, or turned to a position in which the sponge holder and sponge will be out of operative position and clear of the razor blade and its holder.

1,741,892. THERMOSTAT. FREDERICK C. VOLKMAN, Baltimore, Md., assignor of one-third to Kenneth H. Klefer and Sidney C. Vincent, Baltimore, Md. Filed June 9, 1926, Serial No. 114,758. Renewed May 20, 1929. 4 Claims. (Cl. 236-102.)



1. In combination, a hollow valve body having an inlet and an outlet, a valve seat between the two, a removable cap closing one side of the body and having therein journaled a shaft, a setting-wheel adjustably secured to said shaft, a thermal element comprising a rod having a sliding connection with said shaft, whereby when said wheel is rotated the rod is moved longitudinally, a valve on said rod and capable of longitudinal movement thereon, means for holding said valve in a definite position on said rod, said means being also adapted to return said valve to such position after it has been moved therefrom.

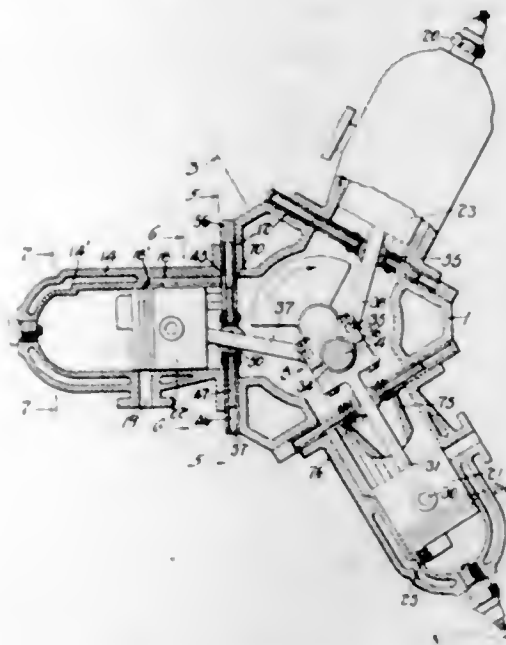
1,741,893. SUTURE. CASSIUS H. WATSON, Brooklyn, N. Y., assignor to Davis & Geck, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 13, 1927. Serial No. 212,851. 6 Claims. (Cl. 128-334.)

1. A suture strand of fibrous material having incorporated in the fibers thereof an aluminum salt, and sterilized.

1,741,894. INTERNAL-COMBUSTION ENGINE. JAMES B. WATSON, Detroit, Mich. Filed Nov. 18, 1926. Serial No. 149,126. 19 Claims. (Cl. 123-56.)

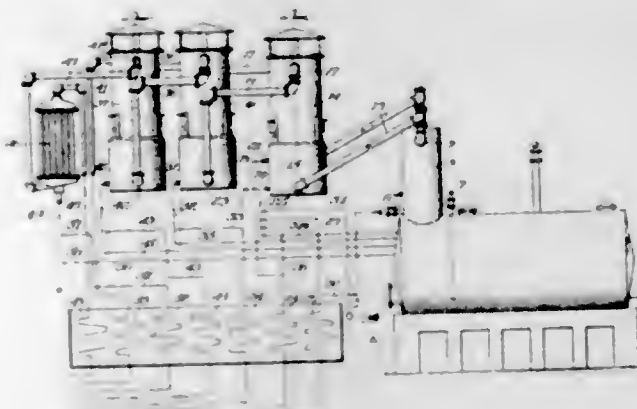
18. An internal combustion engine of the two-stroke cycle type comprising a crankcase, a crankshaft inclined to the horizontal and rotatable in said crankcase, said crankshaft projecting both above and below said crank-

case and having a crank therein, a starting device fixed to the projecting upper end of the crankshaft, more than two cylinders extending radially from said crankshaft and spaced substantially equally apart, pistons therefor, connecting rods joining the pistons to said crank, means for supplying a mixture of fuel and air to said crankcase proximate the axis of the crankshaft and below said



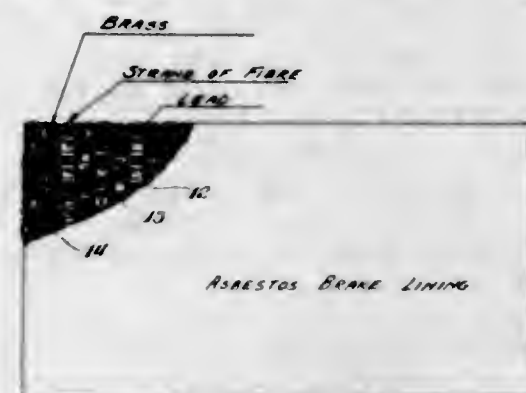
starting device, said means including a carburetor positioned in the angle between two of said cylinders, and means for transferring said mixture from said crankcase in succession to said cylinders, said last named means including a valve for each cylinder movable by the corresponding connecting rod and cooperating with the corresponding cylinder and piston to cause compression of said mixture by said piston during the working stroke thereof.

1,741,895. ART OF COKING OILS. DANIEL R. WELER and LOUIS LINK, Baton Rouge, La., assignors to Standard Oil Development Company, a Corporation of Delaware. Filed Apr. 8, 1922. Serial No. 550,731. 2 Claims. (Cl. 196-13.)



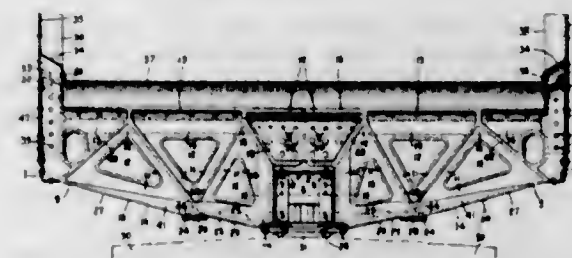
1. A coking still comprising a cylindrical container, means for heating said container, a cylindrical dome on the upper side of said container and supported thereby, the diameter of said dome being not less than one-third the diameter of the container and the height of said dome being not less than one-half the diameter of the container, and a plurality of vapor outlets adjacent the top of said dome, each said outlet having a diameter at least one-sixth that of the dome, the proportions of said dome and outlets not substantially exceeding those required for free passage of the vapors without entrainment during maximum rate of evolutions thereof on complete distillation of the oil in said container to coke in a period not exceeding 18 hours.

1,741,896. FRICTION-RESISTIVE MATERIAL FOR BRAKES, CLUTCHES, OR THE LIKE. RUDOLF L. R. WILD, Chicago, Ill., assignor to Union Asbestos & Rubber Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 20, 1928. Serial No. 327,199. 9 Claims. (Cl. 188-259.)



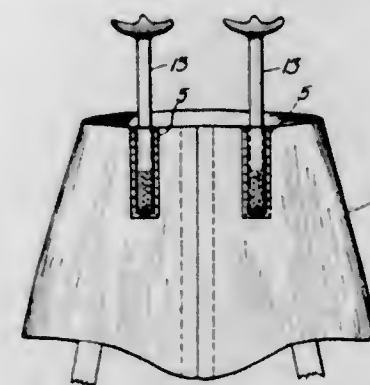
1. In combination, a brake drum of pressed steel, an asbestos brake band associated with said drum, said asbestos band having metallic lead wires incorporated therein whereby scoring of the brake drum is prevented.

1,741,897. BODY BOLSTER. WILLIAM E. WINE, Toledo, Ohio. Filed Apr. 9, 1928. Serial No. 268,726. 17 Claims. (Cl. 105-230.)



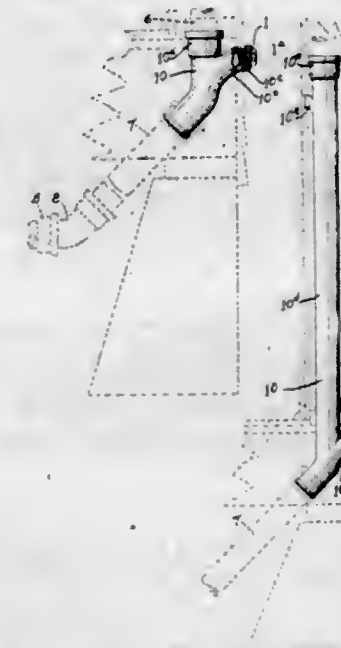
1. A railway car body bolster having portions adapted to be secured to opposite sides of the car center sill, each of said portions being integrally formed with a substantially vertical web and with a flange projecting on opposite sides of the latter adjacent the lower edge thereof, said flange being integrally provided with auxiliary flanges spaced from said web and alternately serving as compression and tension members to resist buffing shocks transmitted from the car center sill.

1,741,898. BREAST SUPPORTER. RALPH R. WOLSTEN, Ozone Park, N. Y. Filed June 16, 1928. Serial No. 286,050. 3 Claims. (Cl. 2-30.)



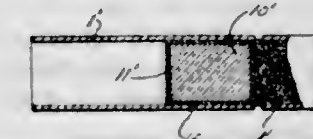
1. In combination with a waist form retaining garment, means for supporting a woman's breasts in proper position, said means consisting of a pair of brackets, each having a depending arm engageable at its lower end with the garment, said garment having a pair of sockets for receiving the lower ends of said stems and means within the sockets for normally urging the stems in an upward direction.

1,741,899. COMBINED EIGHTH BEND AND CLEAN-OUT PIPE FITTING. GUSTAVE C. ZUCKWEILER, San Diego, Calif. Filed Apr. 12, 1926. Serial No. 101,338. 3 Claims. (Cl. 137-75.)



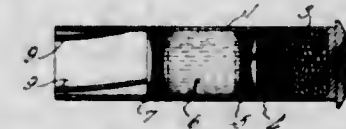
1. A pipe fitting, comprising a long tubular single run-way portion having a hub at one end and an eighth bend portion at its opposite end, a single cleanout side outlet connected with the end of the tubular portion provided with the eighth bend portion and extending with its opening at a right angle from the tubular portion and positioned on the side thereof opposite said eighth bend portion, said side outlet merging in curved form with said eighth bend portion, and another side outlet portion extending from said tubular portion near its hub.

1,741,900. CARTRIDGE. REGINALD J. ALDEN, Springfield, Mass. Filed Mar. 11, 1926. Serial No. 93,931. 6 Claims. (Cl. 102-12.)



1. A cartridge comprising a shell provided with a primer and an explosive propelling charge, a projectile comprising a mass of glycerine and stearic acid mainly confined within said shell, said mass adapted to be ejected in a soft solid state by said charge.

1,741,901. CARTRIDGE. REGINALD J. ALDEN, Springfield, Mass. Filed Dec. 21, 1927. Serial No. 241,571. 6 Claims. (Cl. 102-15.)

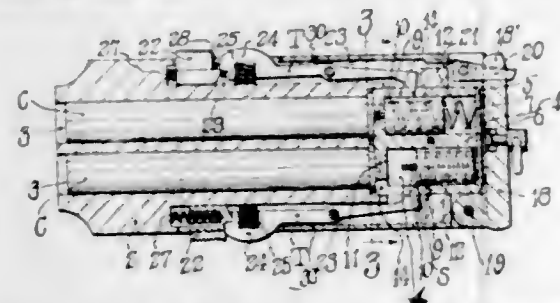


1. A cartridge comprising, a shell provided with a percussion cap and an explosive propelling charge, and a projectile comprising a compact mass of liquid wholly confined within said shell and adapted to be ejected in an unconfined state by said charge.

1,741,902. FIREARM. REGINALD J. ALDEN, Fitchburg, Mass. Filed Apr. 27, 1928. Serial No. 273,407. 10 Claims. (Cl. 42-1.)

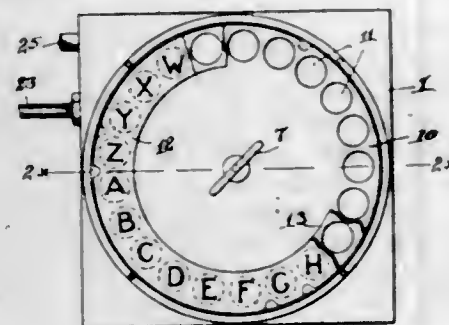
3. In a hand supported firearm, in combination, a body having a straight line longitudinal axis and comprising a barrel portion and a breech mechanism chamber, said body being formed with a hand grip symmetrically disposed about its axis, a breech block movable in said breech mechanism chamber for opening and closing the breech, a firing pin mounted in said breech block, a sear for

holding said firing pin in cocked position, said firing pin being arranged so as to be cocked by the movement of said breech block in said chamber, and a trigger for releasing said sear.



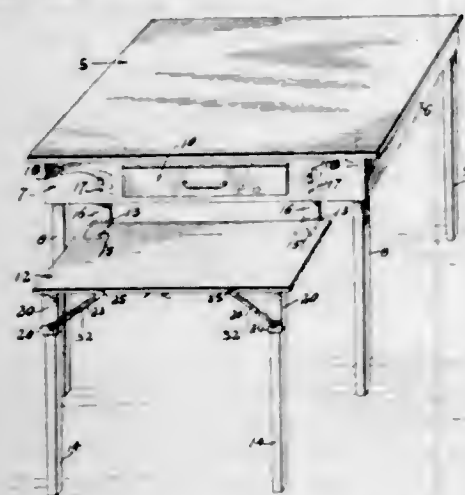
7. In combination, a fire arm having a barrel with an elliptically shaped and smooth bore, and an elliptically shaped cartridge fitting in said barrel carrying an elliptically shaped projectile for being fired from said barrel without having any definite spinning action imparted thereto.

1,741,903. GAME. WILLIAM AMEND, Rochester, N. Y. Filed Feb. 20, 1928. Serial No. 255,697. 1 Claim. (Cl. 273-142.)



A game apparatus having a disc with a slot therein, said disc being adapted to spin, a lamp under the disc, a combination brake and switch adapted to stop the disc from spinning and light the lamp so that the light therefrom will shine through the slot in the disc, a cover therefor having a ring of openings therein under which the slot in the disc is adapted to pass, and a character carried adjacent each of said openings.

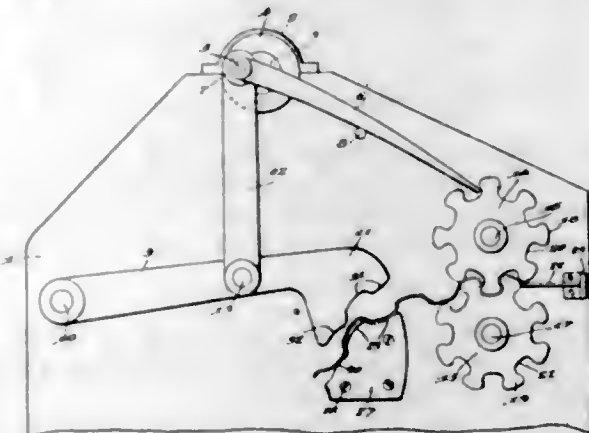
1,741,904. TABLE. JOSEPH AVRUTIK, Bronx, N. Y. Filed June 21, 1927. Serial No. 200,322. 5 Claims. (Cl. 45-31.)



4. An article of furniture comprising, a main table having a depending flange, and an auxiliary table consisting of a top, a plurality of hinges, one end of each hinge being secured to the under side of the rear edge of the top and the other end of each hinge being slotted and adapted to rest in upright position against the flange, means passing through the slots for securing the slotted part of the hinges to the flange, a pair of sleeves pivoted to the under surface of the front edge of the table top and arranged to swing towards each other and lie against the

under surface of the table top, a leg slidably received at its upper end in each sleeve, the upper end of each leg being provided with a hole, slotted brackets pivotally connected at one end with the table top, a bolt adapted to pass through a hole in the upper end of each leg and through the slot in the adjacent bracket to hold the leg in adjusted position and the sleeve in operative position, and means on the main table for holding the auxiliary table under the main table when the parts of the auxiliary table have been folded and the auxiliary table top swung under the main table.

1,741,905. MACHINE FOR MAKING EXPANDER STEEL. GEORGE C. BECK, Spokane, Wash. Filed Mar. 18, 1927. Serial No. 176,562. 7 Claims. (Cl. 153-7.)

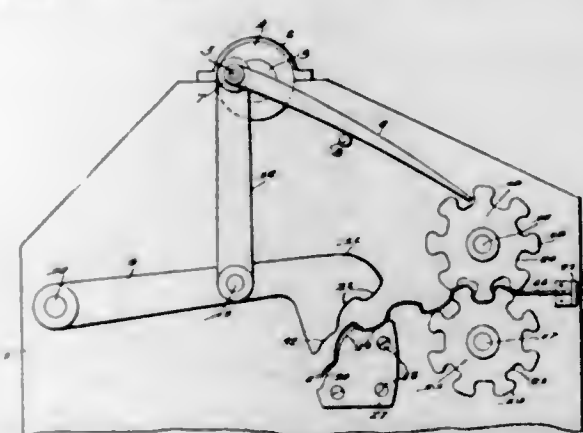


1. In a machine for making spring steel expander stock, coating intermeshing rolls for forming a spring steel strip into oppositely disposed bearing sections, and mechanism for intermittently actuating said rolls to form and advance the formed strip and shaping the formed strip to cause the latter to assume a curved contour.

1,741,906. PROCESS FOR LIQUEFYING OXIDES OF NITROGEN. CHRISTOPH BECK, Ludwigshafen-on-the-Rhine, and HEINRICH DIEKMANN, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed Aug. 11, 1928. Serial No. 299,102, and in Germany Aug. 18, 1927. 4 Claims. (Cl. 62-175.)

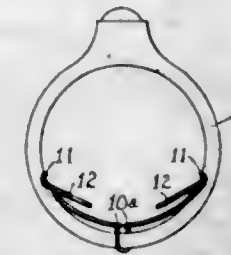
1. The process of liquefying nitrogen oxides which comprises cooling nitrogen oxides in the presence of small amounts of nitric acid.

1,741,907. METHOD OF MAKING EXPANDER STEEL. GEORGE C. BECK, Spokane, Wash. Original application filed Mar. 18, 1927, Serial No. 176,562. Divided and this application filed Sept. 4, 1928. Serial No. 303,846. 4 Claims. (Cl. 153-7.)



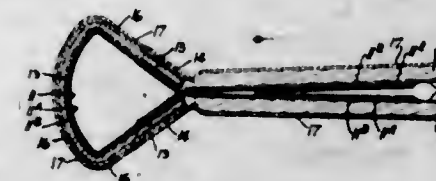
1. The herein-described method of making expander steel, which consists, in corrugating a spring steel strip to form alternately and oppositely disposed outer and inner bearing sections, and in bending the formed inner sections outwardly to cause the finished strip to assume a curved contour.

1,741,908. FINGER-RING GUARD. ELLSWORTH D. BECKER and ALBERT B. ELLIOTT, Reading, Pa. Filed July 26, 1928. Serial No. 295,563. 5 Claims. (Cl. 63-17.)



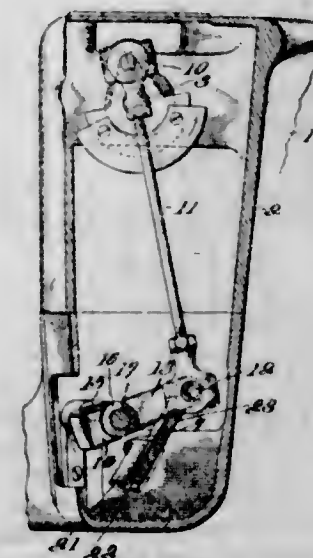
1. A sprung-on finger ring guard formed of a length of spring wire having an outwardly-bent midway loop adapted to loosely straddle the ring hoop exteriorly and reversely-bent end-portion loops adapted to slidably bear upon the inner surface of the ring hoop.

1,741,909. LOOSE-LEAF BINDER. JOHN BELOHLAVEK, Chicago, Ill. Filed Jan. 3, 1928. Serial No. 244,104. 3 Claims. (Cl. 129-37.)



1. A loose leaf binder comprising a built-up tubular-like back of substantially triangular cross-section having an opening extending longitudinally along one corner thereof, a plurality of spaced spring clips mounted in said back and enclosed therein with their free edges terminating along said opening, said opening being normally in closed position, a pair of metallic bands extending along said opening and interconnecting the free ends of said clips for stiffening the edges of said longitudinal opening, a lining on the inside of said tubular back, said lining extending beyond said opening, a cover on the outside of said back also extending beyond said longitudinal opening, and substantially stiff sides secured to and between said lining and said cover.

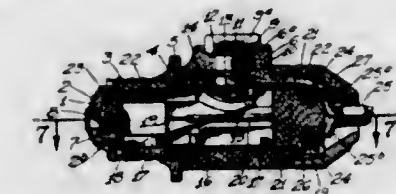
1,741,910. LOOPER MECHANISM FOR SEWING MACHINES. JOSEPH BECKER, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 16, 1926. Serial No. 142,051. 5 Claims. (Cl. 112-165.)



1. The combination of a plurality of threaded needles, a thread carrying looper cooperating with said needles, means for oscillating said thread carrying looper includ-

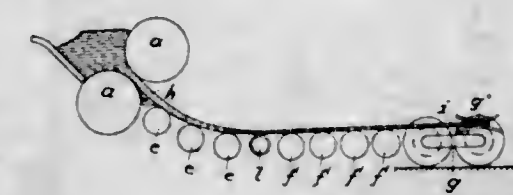
ing a rotating eccentric member, a link connected thereto, a pivoted arm attached to said link and oscillated thereby, a shaft on which said looper is mounted, said shaft being set eccentric to the pivotal point of said arm, and so that as said arm oscillates, it will move relative to and across the axis of the looper shaft, and means for connecting said arm to said looper shaft.

1,741,911. AUTOMATICALLY-CONTROLLED ELECTRIC CONNECTION PLUG. MARTIN C. BERSTED, San Diego, Calif. Filed Oct. 13, 1923. Serial No. 668,317. 5 Claims. (Cl. 200-122.)



1. A means of the class described including a substantially cup-shaped end member, terminal members supported on said end member adapted to be inserted into and contact with the conventional terminals of an electric outlet, a casing member secured at its one end to said end member and extending axially therefrom, a second end member secured to the other end of said casing member, a thermostat member secured at its one end to the inner side of said first end member and extending at an angle to the axis of said casing lengthwise therein, a pair of parallel, spaced apart tubular conductor members extending from said second end member on either side of said thermostat, a heating wire extending through said tubular conductors in contact therewith and between the free ends thereof and straddling said thermostat member intermediate its ends, a contact point at the free end of said thermostat member, a contact member revolvably mounted in the side of said casing adjacent said contact point and adjustable relative thereto, and grip means on the outer side of said casing for rotating said adjustable contact member.

1,741,912. MANUFACTURE OF WINDOW GLASS. MAX BICHEROUX, Aachen, Germany. Filed Jan. 30, 1929. Serial No. 336,190, and in Germany Jan. 27, 1928. 5 Claims. (Cl. 49-33.)

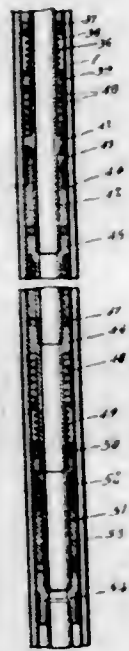


5. In a device for making window glass from a mass of refined molten glass, in combination at least one pair of adjustable forming rolls adapted to roll the glass mass into a primary sheet of a thickness greater than the thickness of the finished product, means to support the glass sheet during its forward movement, a draft device for seizing the rolled sheet of glass at its forward end and drawing it to the desired final thickness, and revolving rollers arranged transversely of the sheet at such points where the sheet is still plastic, these rollers having oppositely handed helical threads extending from the middle to the ends of the rollers and designed to act on the sheet for smoothing it and stretching it in the direction of its width.

1,741,913. OIL-WELL PUMP. WAYNE J. BLANKENSHIP, Los Angeles, Calif., assignor to M. Seaton Cohen, Los Angeles, Calif. Filed Oct. 4, 1927. Serial No. 223,911. 8 Claims. (Cl. 74-109.)

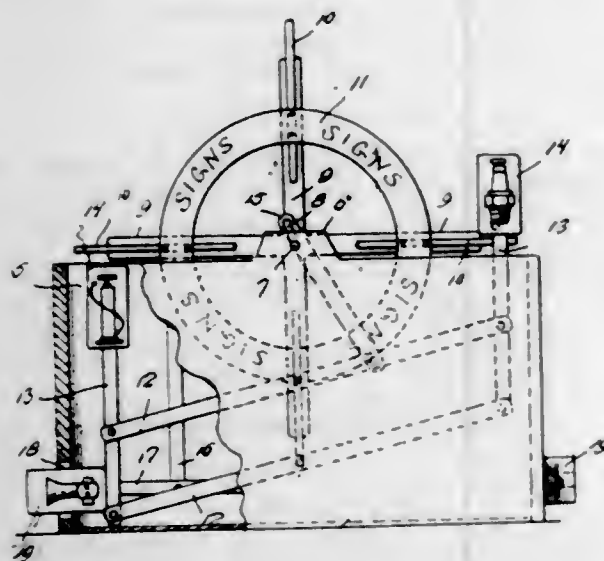
3. In means of the class described, a hollow nipple having a threaded end, an enlargement for said nipple, a pack-

ing retaining sleeve threaded to said enlargement and spaced from the reduced portion of the nipple and of less length than said reduced portion of the nipple, and soft



pliable packing around the reduced portion of the nipple and extending up into said packing retaining sleeve, and having a free end.

1,741,914. ADVERTISING DEVICE. GEORGE ROBERT BOULDING, Hazen, Nev. Filed Sept. 13, 1927, Serial No. 219,275. Renewed Oct. 3, 1929. 7 Claims. (Cl. 40—37.)

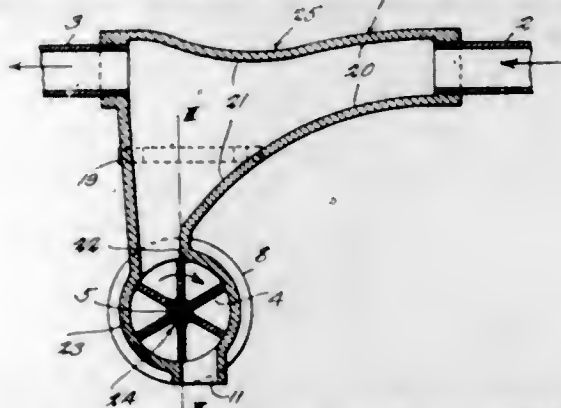


1. In an advertising device of the character described, a housing, an air wheel mounted for rotation on the top open side of the housing, vertically and horizontally movable advertising panels arranged for movement alternately into and out of the housing, and means between said advertising panels and said air wheel for causing the automatic movement of said panels.

1,741,915. GRIT ELIMINATOR. WILLIAM L. BRASACK and HERMAN E. GRAU, Mount Lebanon Township, Allegheny County, Pa. Filed Dec. 8, 1928. Serial No. 324,225. 2 Claims. (Cl. 210—57.)

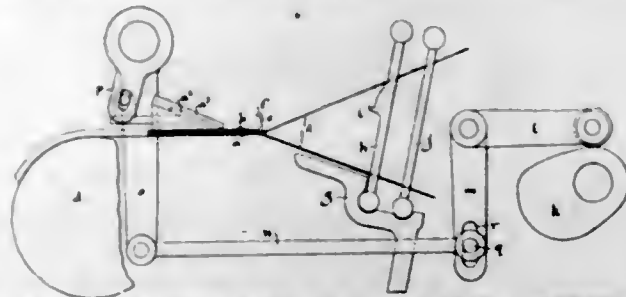
1. In a device for eliminating grit and the like from flowing liquids, a body having a liquid inlet and a liquid outlet which are spaced apart and located adjacent to the top of the body, and a grit-discharge valve in the lower portion of the body, the body increasing in cross sectional area

from the inlet toward the outlet, thereby to retard the flow of the liquid and to cause a precipitation of grit against



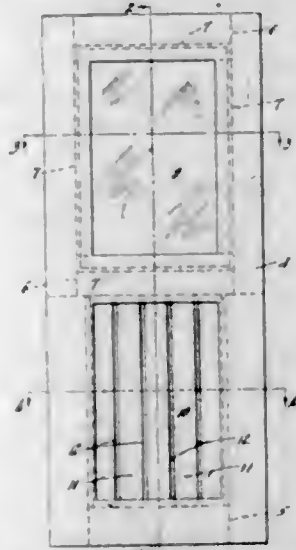
the valve, the top of the body being downwardly inclined to retard the liquid and to deflect the liquid downwardly as it passes from the inlet to the outlet.

1,741,916. LOOM FOR WEAVING PILE FABRICS. ROBERT BRITTON, Halifax, England, assignor to John Crossley & Sons Ltd., Halifax, England. Filed June 4, 1928, Serial No. 282,781, and in Great Britain June 9, 1927. 8 Claims. (Cl. 139—38.)



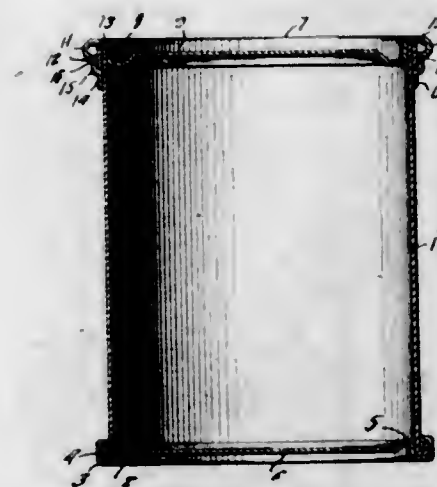
1. In a loom comprising pile wires and a reciprocating sley, dents on said sley, and means on said dents, stationary with respect thereto and coacting with means on said pile wires, adapted to effect the spiral winding of the pile warps on said pile wires, with the movement of said sley.

1,741,917. SPEAKING PANEL FOR JAILS. BLUFORD W. BROCKETT, Cleveland Heights, Ohio, assignor to The Van Dorn Iron Works Co., Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 30, 1928. Serial No. 278,906. 2 Claims. (Cl. 189—5.)



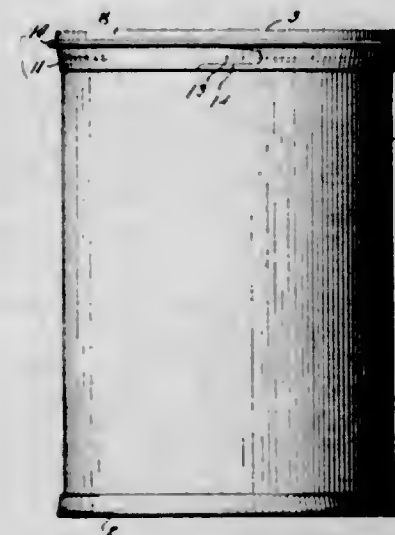
1. A speaking panel unit for the purpose described, comprising a series of exposed wall sections arranged in staggered relation in two parallel planes and outwardly presented to opposite faces of the wall, alternate ones thereof on opposite faces of the wall being connected by cross webs and successive ones thereof on each face of the wall being separated by slots or openings, each pair of cross webs diverging from opposite edges of said slots toward the opposite sides of said wall, some of said cross webs having sound transmitting openings therein.

1,741,918. REPLACEABLE RECEPACLE CLOSURE. LEONARD BURBANK, Baltimore, Md., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 24, 1927. Serial No. 221,709. 2 Claims. (Cl. 220—54.)



1. A receptacle comprising a body portion having an outwardly projecting ledge at its end forming at the under side thereof a retaining shoulder, a closure for said body portion, said closure having a portion projecting beyond the ledge on the body of the receptacle and turned inwardly to overhang the body, thereby providing an underface and a flange depending from the projecting portion of the closure and adapted to be bent underneath said retaining shoulder making contact at the lower part of the ledge, said flange having a score line therein adjacent the underface of said projecting portion forming a tear strip which may be removed for releasing the closure.

1,741,919. REPLACEABLE CLOSURE FOR RECEPACLES. LEONARD BURBANK, Baltimore, Md., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 31, 1927. Serial No. 248,986. 2 Claims. (Cl. 220—54.)



1. A receptacle comprising a body having the end portion thereof intumed and outwardly bowed so as to form a projecting ledge providing at the under side thereof a smooth unbroken retaining shoulder, a closure for said body portion, said closure having a portion projecting beyond the ledge on the body of the receptacle and intumed inwardly to overhang the body, thereby providing an underface, and a flange depending from the projecting portion of the closure and adapted to be bent underneath the retaining shoulder making contact at the lower part of the ledge, said flange having a score line therein adjacent the underface of said projecting portion forming a tear strip which may be removed for releasing the closure.

1,741,920. REFRACTORY COMPOSITION AND METHOD OF MAKING. THOMAS S. CURTIS, Huntington Park, Calif., assignor to The Vitrefax Company, Los Angeles, Calif., a Corporation. Filed Dec. 21, 1928. Serial No. 156,254. 11 Claims. (Cl. 75—22.5.)

1. In the manufacture of refractories, the art of producing mullite comprising melting a mixture of fibrous material of the sillimanite group and alumina.

1,741,921. DEODORIZING AND DEHUMIDIFYING COMPOSITION AND PROCESS OF MAKING SAME. HARRY J. DAVENPORT, Paterson, N. J. Filed Oct. 29, 1927. Serial No. 229,802. 6 Claims. (Cl. 252—2.5.)

4. Process of producing a deodorizing and dehumidifying composition comprising mixing charcoal, a sulphate of an alkaline earth metal, aluminum sulphate and water, the mixing operating being carried out at a temperature of 92° F. or higher, and drying the resulting product.

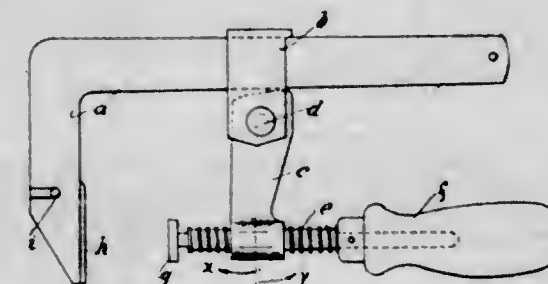
5. As an article of manufacture, a porous body possessing deodorizing and dehumidifying properties and consisting predominantly of charcoal and containing lesser amounts of calcium sulphate and aluminum sulphate, each of said sulphates being present in substantial and effective amounts.

1,741,922. ROLLING-SCREEN INSTALLATION. HARRY DIXON, Des Moines, Iowa, assignor to Rolscreen Company, Pella, Iowa. Filed Aug. 16, 1926. Serial No. 129,567. 7 Claims. (Cl. 156—39.)



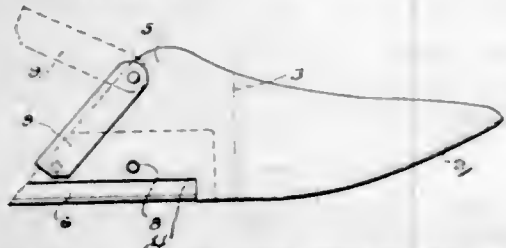
1. In a structure of the class described, a member adapted to be received in a recessed opening formed in a wall, a guide having a flat attaching flange fastened to said member at right angles to the face thereof and means extending through the face of said member and parallel to said attaching flange for anchoring said member to a wall.

1,741,923. SCREW CLAMP. JAN DOHNAL, Dobris, Czechoslovakia. Filed Mar. 14, 1929, Serial No. 347,120½, and in Germany Jan. 31, 1928. 2 Claims. (Cl. 144—303.)



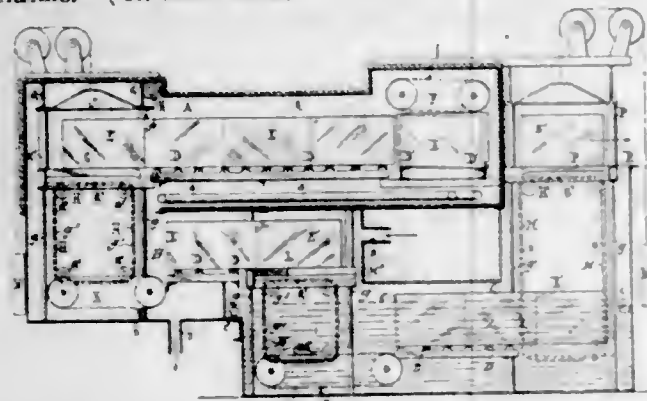
1. A screw clamp, comprising, in combination, a lever arm connected so as to be rotatable, with an adjustable forked arm provided on the longer branch of the angle rail of a screw clamp, the free, upper end of the said lever being provided with teeth adapted to engage against the inner surface of said longer angle rail branch and to hold said adjustable forked arm firmly located in any given position on said rail branch, said lever arm being provided with a clamping screw having a handle and a clamping jaw and means for holding said screw clamp standing in a vertical position, substantially as set forth.

1,741,924. BLADE HOLDER. MAURICK J. ENGEL, New York, N. Y. Filed Feb. 4, 1928. Serial No. 251,976. 2 Claims. (Cl. 30-9.)



1. A blade holder of the class described having a pair of sections welded together at the rear forming a handle, the unwelded portion of the said sections forming a pair of resilient jaws, a pair of studs in one of said sections for supporting a blade, a section of each jaw cut away so part of said blade will be exposed, and a clamp hinged to one of the jaws for clamping said jaws together for firmly holding the blade in place, said clamp including two wall portions for engaging the jaws and front-part of the blade between them.

1,741,925. APPARATUS FOR HEATING, COOLING, OR OTHERWISE TREATING LIQUIDS IN BOTTLES. ARTHUR GUY ENOCK, Hailsham, England, assignor to Burlectas Limited, London, England. Filed June 13, 1927. Serial No. 198,657, and in Germany May 16, 1927. 3 Claims. (Cl. 126-272.)



1. Apparatus for pasteurizing milk or other liquid in bottles contained in crates comprising three superimposed chambers, including a heated holding chamber, through which the crates are pushed, an endless rotary chain to engage the crates to feed them forward, a cooling chamber below the heated holding chamber, a platform to lower the crates into the cooling chamber, an endless rotary chain below the platform to draw the crates into the cooling chamber and an air inlet and outlet to the cooling chamber, a chilling chamber below the cooling chamber, a platform at the end of the cooling chamber to lower the crates into the chilling chamber, an endless rotary chain below the platform to draw the crates into the chilling chamber and a platform at the end of the chilling chamber to raise and discharge the crates therefrom.

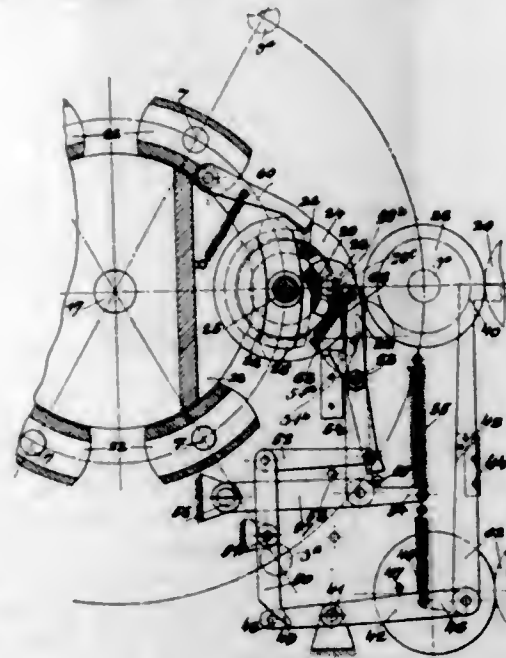
1,741,926. COMPOUND LOADING SYSTEM. NORMAN R. FRENCH, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 12, 1925. Serial No. 68,692. 6 Claims. (Cl. 178-45.)



1. A system of compound loading comprising heavy-weight and light-weight inductance coils alternately spaced.

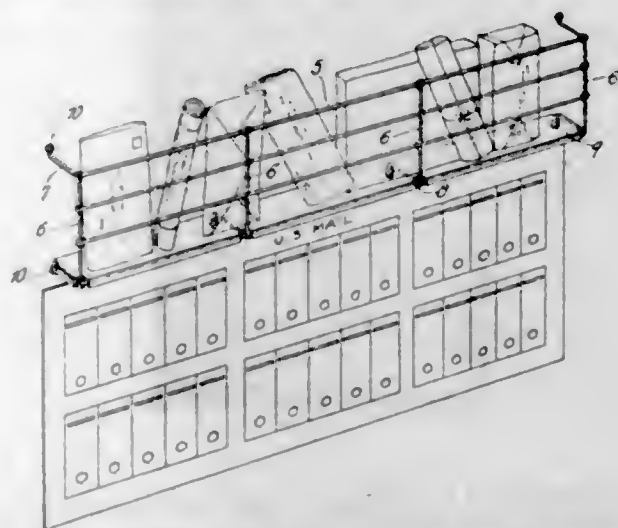
the cut-off frequency of the loading system being determined by the inductance and spacing of the heavy-weight coil, and the characteristic impedance of the system being determined by the value of both coils combined.

1,741,927. CASH-FRANKING MACHINE. WILHELM FRIEDRICH, Berlin, Germany. Filed Aug. 8, 1922. Serial No. 580,450, and in Germany Aug. 10, 1921. 8 Claims. (Cl. 101-91.)



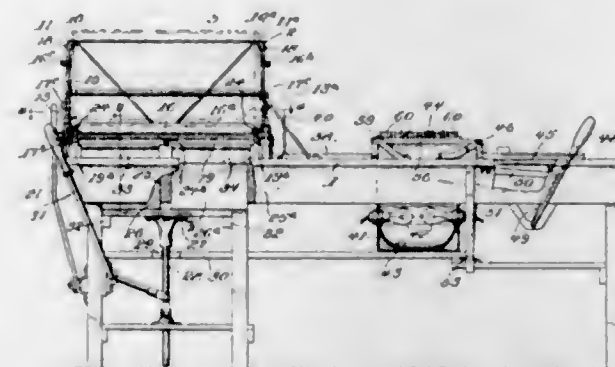
1. In a cash franking machine of the type described, means for applying franks, means actuated upon completion of a predetermined amount of use for locking the machine against further use, an actuator operable upon insertion therein of a token for releasing said locking means, means for preventing said token from being removed until the machine is next locked, and means actuated when the machine is next locked for permitting the token to be removed from the machine.

1,741,928. PACKAGE RACK FOR GROUP MAIL BOXES. JAMES GAFNEY, New York, N. Y. Filed Jan. 12, 1929. Serial No. 332,066. 2 Claims. (Cl. 211-106.)



1. In a rack of the character described, a front wall consisting of a plurality of spaced parallel bars and a plurality of vertical interconnecting bars, inwardly directed end members associated with the ends of certain of said bars and constructed at their inner ends to facilitate the attachment of the rack to a supporting surface, and a bottom wall arranged upon the inwardly directed end members of the lowermost bar having a downturned marginal flange on its front and end, said wall and flange being provided with longitudinally spaced recesses for the reception of the vertical bars.

1,741,929. EGG-HANDLING APPARATUS. LOREN L. GILLESPIE, Hopkins, Mo. Filed Dec. 29, 1927. Serial No. 243,402. 12 Claims. (Cl. 99-6.)



1. In egg handling apparatus, a supporting table, an egg case supporting frame mounted on said table, vertically movable platforms beneath said frame and movable through said table to receive and transfer the eggs from the case to the table top, a tray pivotally mounted adjacent said frame and adapted to receive the eggs, a member pivotally mounted adjacent said tray and adapted in one position to overlie said tray and in another position to underlie said tray with the eggs over a light chamber upon swinging the tray and member about their pivots.

1,741,930. RADIATOR. LAWREN C. GNAGI, Lima, Ohio. Filed Apr. 8, 1927. Serial No. 182,133. 9 Claims. (Cl. 257-136.)



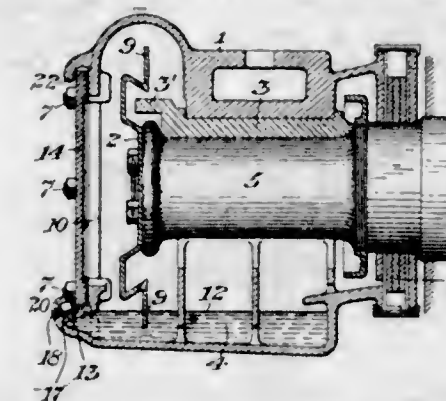
3. A radiator comprising a hollow elongated tapered polygonal body through which a fluid heating medium is adapted to pass, a plurality of heating fins provided with central openings corresponding in shape and size to the cross-sectional shape and size of a portion of said body adjacent its larger end, said fins being adapted to surround said body in spaced relation and each provided on at least two sides of the opening therein with flange portions adapted to lie flat against portions of two adjacent faces of said body, and a plurality of clamping members each adapted to surround said body between an adjacent pair of radiating fins and adapted to clamp the flange portions of one of the fins against said body.

1,741,931. JOURNAL BOX. GEORGES GRANDJEAN, Les Forgets, Isle Adam, France, assignor to Isothermos Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Jan. 22, 1929, Serial No. 334,141, and in Switzerland Nov. 14, 1928. 9 Claims. (Cl. 308-83.)

1. A journal box having an access and filling opening and a reservoir below the same, and also having an overflow opening positioned below said access opening to

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establish a desired height of oil in the reservoir, a cover for the access opening, and a closure member for the overflow opening, said closure member also constituting means for preventing the removal of the cover prior to the removal of the closure member.

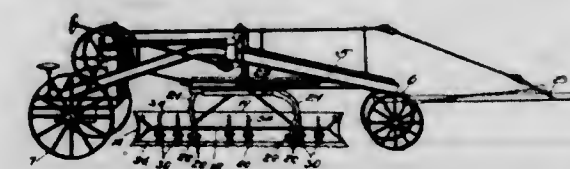


1,741,932. HOLLOW SHEET-METAL UNIT AND PROCESS OF PRODUCING THE SAME. ARTHUR R. GROSS, St. Paul, Minn., assignor, by mesne assignments, to Trussbilt Steel Doors, Inc., St. Paul, Minn., a Corporation of Delaware. Filed Sept. 15, 1927. Serial No. 219,642. 1 Claim. (Cl. 189-34.)



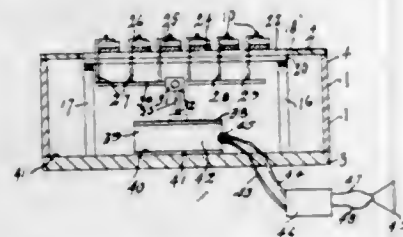
A hollow sheet metal unit having open ends, end members fitted in the open ends of the unit and closing the same, said end members having vent and drain holes, and an internal reinforcing member within the unit and transversely dividing the same into a plurality of longitudinally extended hollow sections having open ends, said reinforcing member terminating short of the end members to leave a chamber between each end member and the reinforcing member, the open ended hollow sections affording communication between the chambers.

1,741,933. GRADER AND SCARIFIER. JOHN H. GUNNISON, Madison, Wis. Filed Mar. 3, 1927. Serial No. 172,250. 9 Claims. (Cl. 37-145.)



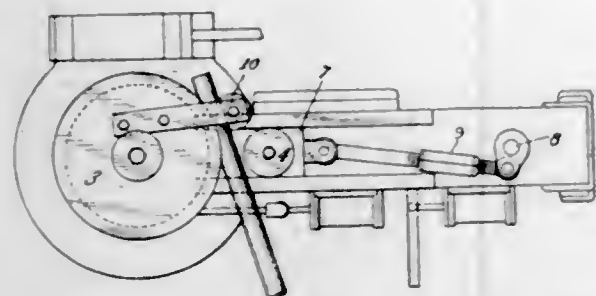
3. In combination, a grader blade having a lower ground engaging edge and an upper edge, and a scarifier adapted to be mounted selectively upon said lower ground engaging edge for scarifying cooperation with the ground and upon said upper edge for grading and scraping cooperation of the ground engaging edge of the grader blade with the ground.

1,741,934. SOUND-WAVE TRANSMITTING AND AMPLIFYING DEVICE. WALTER HARDEN, Cincinnati, Ohio, assignor of one-third to John F. Holland and one-third to William F. Holland, Cincinnati, Ohio. Filed Aug. 29, 1927. Serial No. 216,176. 7 Claims. (Cl. 84-294.)



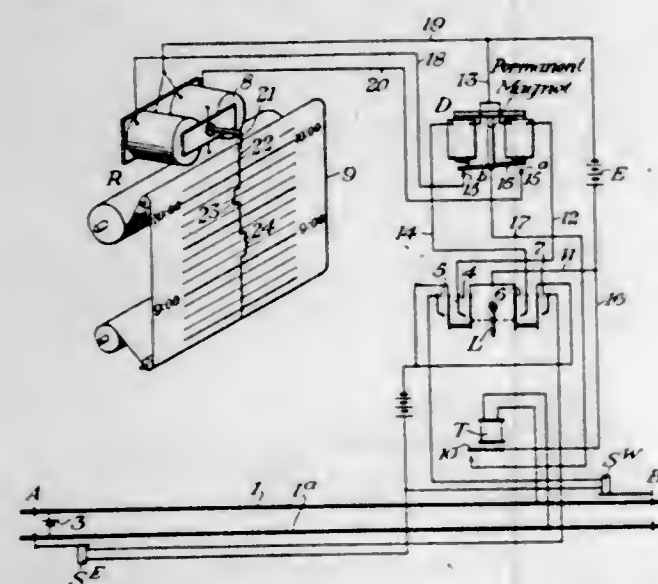
2. In combination with a stringed musical instrument of the guitar type, a transmitter sound insulated from the box of said instrument, an electrical amplifying circuit for said transmitter, a plurality of spaced apart vibration conductors, operatively connected with said transmitter and with the strings of said instrument, substantially as described.

1,741,935. PIPE BENDER. HARRY E. HARVEY, Cleveland, Ohio, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio, a Corporation of Ohio. Filed May 26, 1926. Serial No. 111,807. 8 Claims. (Cl. 153-40.)



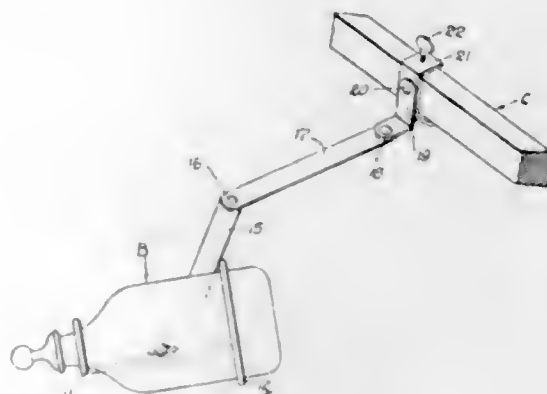
1. In a bending machine, a bending roll or die, a follower shoe movable toward said roll or die, means for rotating said roll or die and a gripping roller carried by said roll or die.

1,741,936. AUTOMATIC TRAIN RECORDER. CARL G. HARWIG, Wilkesburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 3, 1923. Serial No. 266,885. 3 Claims. (Cl. 234-27.5.)



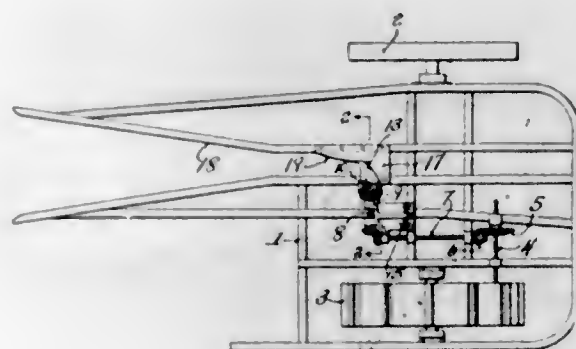
1. In combination, a section of railway track, a track relay for said section, a signal lever for governing traffic through said section, a directional relay controlled by said signal lever, and a graphic recorder controlled by said track relay and by said directional relay.

1,741,937. NURSING-BOTTLE HOLDER. EDWARD B. HILL, Chicago, Ill. Filed Nov. 10, 1927. Serial No. 232,245. 1 Claim. (Cl. 248-65.)



A nursing bottle holder comprising a clamp, an L-shaped link pivoted to said clamp, a plurality of pivoted links connected together, one of said links being riveted to the L-shaped link, and a resilient member riveted to another of said links, said resilient member being formed of a single length of wire bent to form three loops, two of said loops being adapted to embrace the neck and body of a nursing bottle, the third loop providing a socket for the reception of the rivet joining the said another of said links.

1,741,938. CORN BINDER. GEORGE H. HOLTZ, Oxford, Wis. Filed Feb. 5, 1926. Serial No. 86,185. 2 Claims. (Cl. 56-102.)

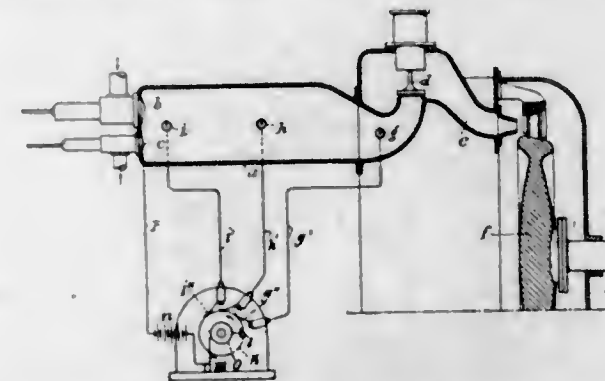


2. The combination of a corn binder having a frame and a bull wheel, a main horizontal drive shaft extending transversely of the frame and driven from said bull wheel and at a higher speed than said bull wheel, a forwardly extending shaft geared to said main drive shaft, a transverse jack shaft geared to said forwardly extending shaft, a vertical shaft geared to said jack shaft and having a disk thereon, a plurality of rotary knives secured to said disk, a bracket supporting the forward end of said forwardly extending shaft and supporting said vertical shaft and said jack shaft, a pair of guiding bars for leading stalks into position, and a stationary knife carried adjacent said guiding bars and cooperating with said rotary knives.

1,741,939. COMBUSTION TURBINE. HANS HOLZWARH, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a Corporation of Delaware. Filed Jan. 29, 1927. Serial No. 164,626. 2 Claims. (Cl. 60-41.)

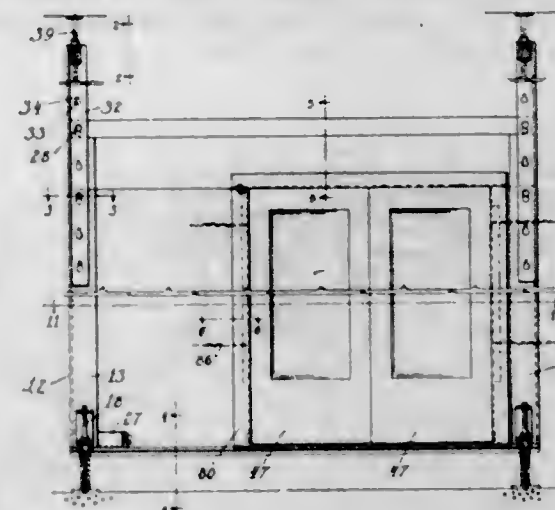
1. The method of exploding a continuous body or an explosive mixture of fixed volume confined within a

space having an outlet, which comprises igniting in sequence portions of such mixture successively more remote from said outlet whereby the expanding products



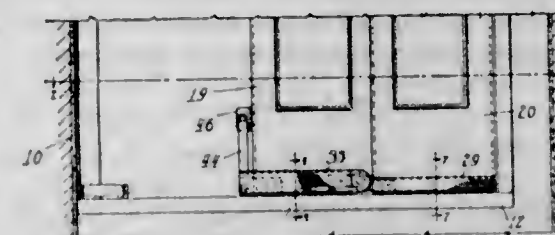
of combustion of each such portion effect compression of the remaining portion or portions of the mixture prior to the ignition thereof.

1,741,940. ELEVATOR-ENTRANCE INCLOSURE. LUDWIG G. JACOBSON, Jamestown, N. Y., assignor to The Dahlstrom Metallic Door Company, Jamestown, N. Y., a Corporation of New York. Filed Aug. 1, 1928. Serial No. 296,806. 12 Claims. (Cl. 187-1.)



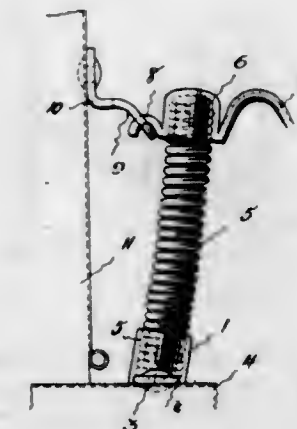
7. An elevator entrance inclosure comprising vertically extendible struts, a head jamb secured to said struts, a reinforced lintel formed integral with said head jamb, a door sill secured to said struts adjacent the lower ends thereof and means adapted to level said sill and to rigidly position said struts with relation to the floor and ceiling.

1,741,941. ELEVATOR-ENTRANCE TOE GUARD. LUDWIG G. JACOBSON, Jamestown, N. Y., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y., a Corporation of New York. Filed Sept. 12, 1928. Serial No. 305,898. 5 Claims. (Cl. 20-19.)



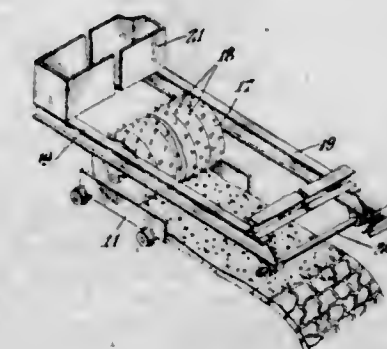
1. In an elevator entrance enclosure including a door sill and movable doors, toe guards covering said sill, said guards being operably secured to said doors whereby when said doors move from closed to opened position, said guards will uncover said sill.

1,741,942. FASTENING DEVICE. HENRY MORGAN KELLOGG, Milford, Conn. Filed Apr. 9, 1928. Serial No. 268,403. 5 Claims. (Cl. 292-114.)



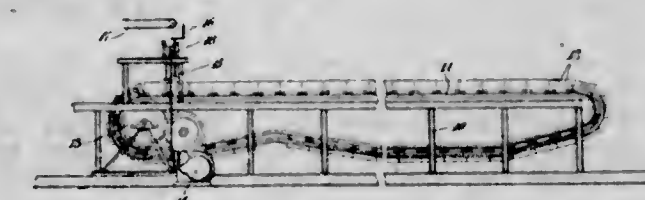
1. A fastening device of the class described composed of a handle, a base, a coil spring connecting said base and handle, complementary fastening means on an automobile hood and said base being arranged in an angular position relatively to said hood.

1,741,943. SINTERING MACHINE. JOSEPH R. LINNEY, Clinton County, N. Y. Filed Oct. 9, 1928. Serial No. 311,294. 1 Claim. (Cl. 266-21.)



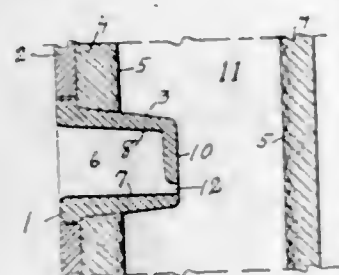
In a sintering machine a frame, a plurality of separate grates, an endless track therefor, a second frame pivotally supported from said first frame, a roller carried by said second frame and arranged to contact with the sinter adjacent the discharge end of the machine, means for applying pressure to said roller to force it into contact with the sinter and spikes carried by said roller.

1,741,944. SINTERING MACHINE. JOSEPH R. LINNEY, Clinton County, N. Y. Filed Oct. 9, 1928. Serial No. 311,295. 1 Claim. (Cl. 214-35.)



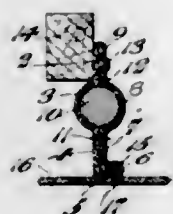
In a sintering machine having a continuously moving train of grate bars, ore feeding means comprising a spout hinged at its upper end and having a lateral discharge opening at its lower end, an adjustable bottom plate for said spout, means to oscillate said spout and means to feed ore continuously to said spout.

1,741,945. RAZOR CABINET. WILLETT C. MAGRUDER, Louisville, Ky. Filed Apr. 23, 1928. Serial No. 272,130. 2 Claims. (Cl. 72-18.)



1. As an article of manufacture a razor cabinet comprising a wall tile unit adapted to be set in the plaster of the wall and to extend therethrough into a vacant space in the wall, a recess in the face of said unit of suitable size to accommodate a safety razor and a small opening from said recess into the said vacant space.

1,741,946. AUTOMOBILE ROOF-LINING CONSTRUCTION. REUEL T. MARKEE, Philadelphia, Pa. Filed Aug. 13, 1926. Serial No. 128,954. 1 Claim. (Cl. 296-137.)

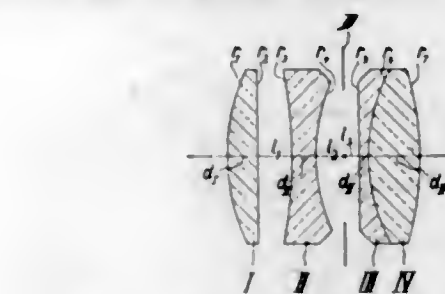


In a roof structure including cross bars and a lining, an intermediate lining hanger, consisting of a one piece strip of fabric longitudinally arranged and doubled upon itself and having upper and lower horizontal lines of stitching to form a longitudinal horizontal pocket of substantially circular cross-section, the doubled portions above and below said lines of stitching forming upper and lower doubled vertical walls, means for securing the upper of said walls to a cross bar of said roof, the lower of said doubled walls terminating in a right angle doubled foot portion, a longitudinal horizontal reinforcing strip superimposed upon said doubled foot portion, a line of stitching passing through said reinforcing strip, said doubled foot portion and said lining, and a reinforcing rod encased in and extending throughout the length of said pocket.

1,741,947. PHOTOGRAPHIC LENS, CORRECTED SPHERICALLY, CHROMATICALLY, ASTIGMATICALY, AND FOR COMA. WILLY MERTS, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed June 11, 1927. Serial No. 198,213, and in Germany June 26, 1926. 3 Claims. (Cl. 88-57.)

1. Photographic lens, corrected spherically, chromatically, astigmatically and for coma, consisting of three lenses separated by air-space, viz, a biconcave lens and two collective lenses embracing the same, of which the one is a single lens, while the other is composed of two members of opposite refractive power with a collective cemented surface, wherein according to the absolute values the radius of curvature of the cemented surface is at the most equal to five-sixths of the radius of curvature of the uncemented surface of the collective member of the composite collective lens and at the most equal to half the focal length of the photographic lens and wherein, in addition, the radius of curvature of the outer surface of the collective single lens is at least equal to one third

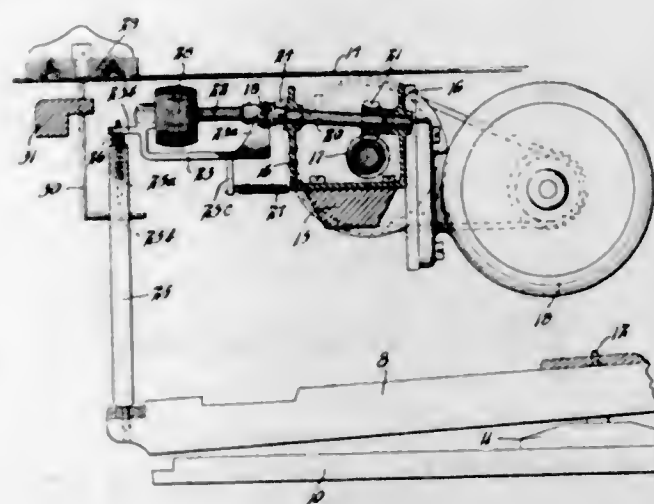
of the radius of curvature of the outer surface of the composite collective lens but at the most equal to this radius



$r_1 = 3200$	$d_1 = 4.63$
$r_2 = \infty$	$d_2 = 3.42$
$r_3 = 2011$	$d_3 = 3.75$
$r_4 = 2045$	$d_4 = 4.42$
$r_5 = \infty$	$d_5 = 2.25$
$r_6 = 2850$	$d_6 = 1.59$
$r_7 = 3722$	$d_7 = 6.00$
$f = 11$	
$\frac{1}{f} = 16007$	$\frac{1}{f} = 15596$
$\frac{1}{f} = 111$	$\frac{1}{f} = 11$
$\frac{1}{f} = 152640$	$\frac{1}{f} = 162377$
$v = 51$	$v = 56.5$

of curvature itself, the total of the absolute values of the radii of curvature of the two outer surfaces of the photographic lens being at least three-fourths of the focal length of the photographic lens.

1,741,948. SUSTAINED-TONE PIANO. FRANCIS MUNGER, Minneapolis, Minn. Filed Apr. 3, 1926. Serial No. 99,518. 4 Claims. (Cl. 84-256.)

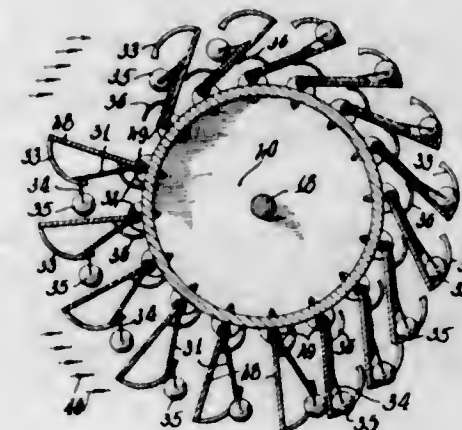


1. In combination with a fulcrumed key of a piano and its appropriate vibratory string, a driving shaft extending transversely of said string and adapted to be connected with a source of power, an arm extending longitudinally of said string having its end adjacent said driving shaft pivoted on an axis extending transversely of said string, a rotary exciting member mounted in said arm on an axis disposed longitudinally of said string, a permanent flexible driving connection between said exciting member and said shaft, and a connection between the inner end of said key and the non-pivoted end of said arm adapted to cause said arm to move in the direction of said string when the outer end of said key is depressed whereby said exciting member may be made to engage said string.

1,741,949. WATER TURBINE. SANDOR NAGY, Mandok, Hungary, assignor of one-half to Stephen Robb, New York. Filed Dec. 1, 1928. Serial No. 323,009. 2 Claims. (Cl. 170-108.)

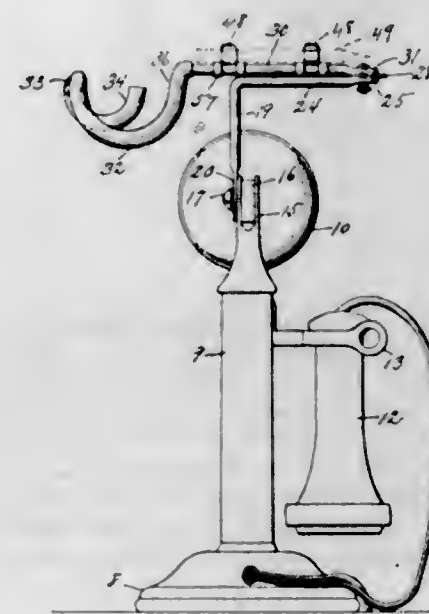
1. In a device of the class described, a cylindrical body provided with pivoted main wings and a small wing pivotally mounted on the hinge point of each of the main wings and disposed to the rear of each main wing and arranged for moving the main wing from a substantially tangential position rearwards upon rotation of the cylin-

dric body, and a stop member projecting from the rear face of each of the main wings and passing thru an aper-



ture in the small wing and its free end being abutable against the cylinder for limiting rearward motion of the main wing to a radial position.

1,741,950. SUPPORT FOR TELEPHONE RECEIVERS. SALVATORE PASTORE, Providence, R. I. Filed Mar. 22, 1929. Serial No. 340,035. 1 Claim. (Cl. 179-153.)

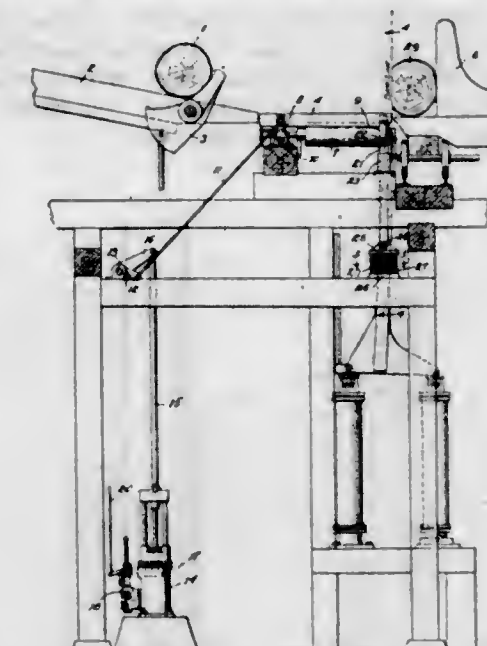


A telephone receiver support comprising a vertical post provided at its lower end and with a portion adapted to be attached to a telephone standard, a horizontal arm integral with the post and provided in its free end with a vertical hole, a horizontally disposed lever arm of greater length than the fixed arm provided in one end with a vertical hole, a bearing disk interposed between the two arms and provided with a perforation, a pivot member extending through the holes and the perforation, and a cradle upon the free end of the lever arm.

1,741,951. MEANS FOR SUPPORTING THE SKID BARS OR LIKE ELEMENTS IN SAWMILLS. GEORGE M. PELTON, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 26, 1925. Serial No. 52,518. 8 Claims. (Cl. 143-157.)

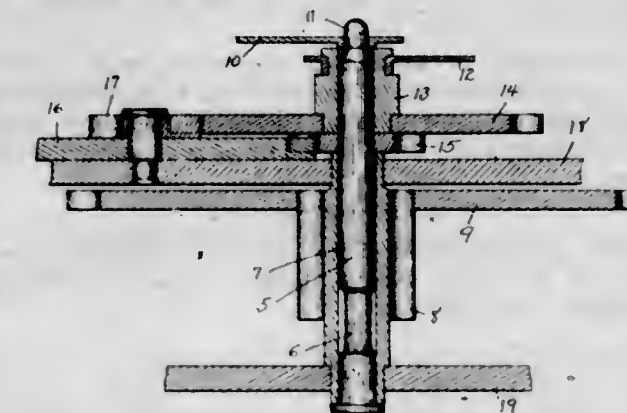
4. In combination, a sawmill log carriage, conveyor rolls disposed alongside the carriage, skid bars disposed

between the conveyor rolls, links having their upper ends pivotally connected to the ends of the skid bars remote from the carriage, means for positively and pivotally supporting the lower ends of said links, similar links having their upper ends pivotally connected to the ends of the skid bars located adjacent the log carriage, supporting



members having their upper ends pivotally connected to the lower ends of said last mentioned links, means for constraining the supporting members to reciprocatory movement, spring means affording yieldable mounting for the lower ends of said supporting members and means coacting with the first mentioned links for raising and lowering the skid bars.

1,741,952. CENTER FRICTION FOR CLOCKS AND WATCHES. WILSON E. PORTER, New Haven, Conn., assignor to The New Haven Clock Co., New Haven, Conn., a Corporation. Filed Dec. 1, 1927. Serial No. 236,959. 2 Claims. (Cl. 58-140.)



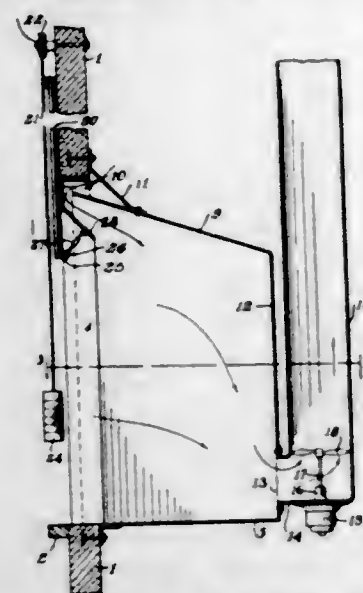
2. The combination with a member of the driving-train of a clock or watch, the said member having a concentric passage formed therein, of a cylindrical center-arbor formed between its ends with a reduced portion and initially bent bodily at such reduced portion to place its ends out of line, whereby, when installed in the said passage, it is sufficiently straightened thereby to develop the friction required for normally yielding coupling the said arbor and driving-member with a capacity for the independent turning of the arbor for setting the mechanism.

1,741,953. TUNGSTEN-TANTALUM ALLOY. JOHN HUMPHREYS RAMAGE, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 28, 1927. Serial No. 195,149. 5 Claims. (Cl. 75-1.)

1. The method of forming solid solution alloys of tungsten and tantalum which comprises forming an intimate

admixture of tungsten and tantalum oxides in the desired proportion, carbonizing said oxides, reducing said carbonized material to metal, compacting the metal powder and sintering the compacted metal powders to near fusion in vacuo.

1,741,954. OUTSIDE SPRAY BOOTH. JOHN L. REY-MILLER, Piqua, Ohio, assignor, by mesne assignments, of one-half to Hartzell Industries, Inc., Wilmington, Del., a Corporation of Delaware. Filed Feb. 18, 1928. Serial No. 255,388. 5 Claims. (Cl. 98—115.)

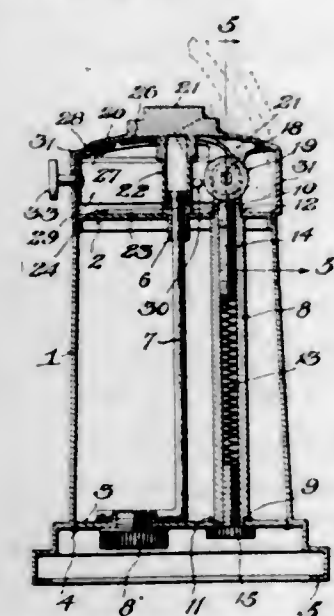


1. The combination with a building, of a spray booth outside the latter and opening into it, means for admitting air from the outside atmosphere to said booth, and fan means arranged to draw a large proportion of the air employed in the booth, from the outside atmosphere to conserve the heat in the building.

1,741,955. METHOD OF OBTAINING CHROMIUM. MALCOLM N. RICH, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Nov. 9, 1927. Serial No. 232,204. 6 Claims. (Cl. 75—17.)

1. The process of producing chromium metal powder which comprises heating chromium oxide to a temperature of about 900° C. and passing thereover and into direct contact therewith, a strong free flow of previously purified hydrogen.

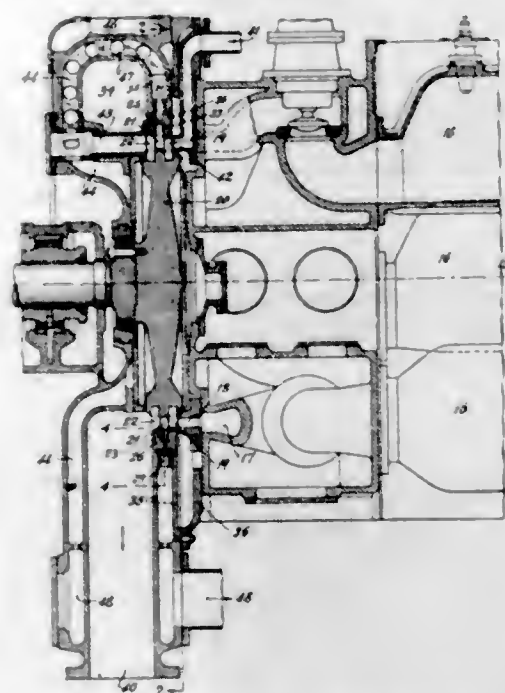
1,741,956. CIGAR LIGHTER. JOHN W. SCHULZE, Providence, R. I. Filed May 4, 1928. Serial No. 274,990. 3 Claims. (Cl. 67—4.1.)



3. In a lighter construction, a fuel reservoir, a wick extending therefrom, a pyrophoric holder on said reservoir,

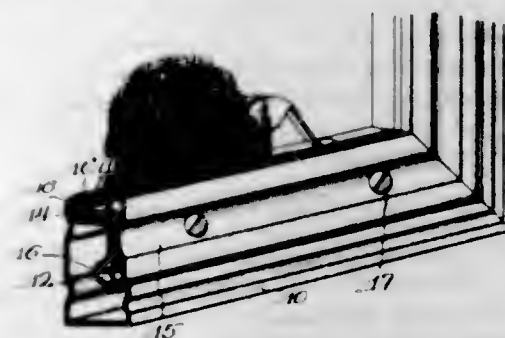
a cap enclosing said wick and removably frictionally retained on said reservoir and having a top wall with an opening therein, a closure member for said opening, depending ears on said closure member, a friction wheel, a shaft rotatably mounted in said holder and keyed to said friction wheel and depending ears, resilient means on said shaft tending to move said closure member to open position and operate said wheel to ignite said wick, and manually releasable means for holding said closure member in position to close said opening.

1,741,957. COOLING DEVICE FOR THE REVERSING STATOR BLADES OF TURBINES. MICHAEL SEDLMEIR, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a Corporation of Delaware. Filed Sept. 21, 1927. Serial No. 220,874. 10 Claims. (Cl. 60—49.)



1. In a turbine, a rotor having a plurality of annular sets of blades, a nozzle for discharging a driving medium against the blades of one of said sets, another nozzle for discharging a cooling medium against the blades of the same set, a stator having a set of reversing blades arranged to direct the driving medium on its way from one set of rotor blades to the next, and conduits for leading into proximity to the stator blades, the cooling medium which has traveled in contact with both stator and rotor blades.

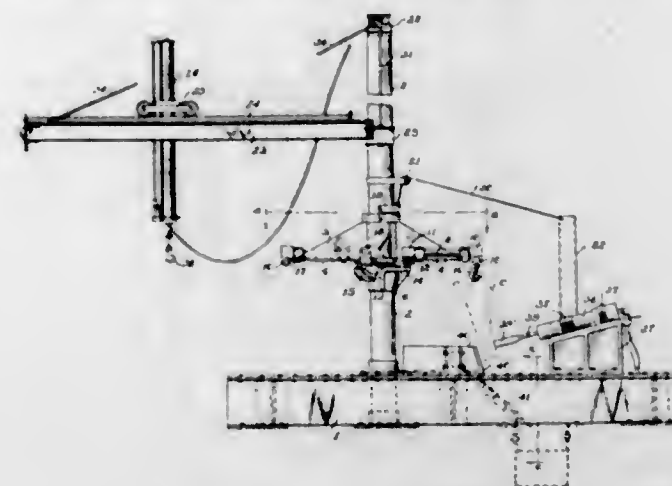
1,741,958. METAL FRAME FOR SCREENS. CHARLES A. SHOGREN, Chicago, Ill., assignor, by mesne assignments, to Art Metal Screen and Weather Strip Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1926. Serial No. 117,233. 1 Claim. (Cl. 156—14.)



A hollow screen frame member formed of a single strip of sheet metal having a back and a face portion, the face having a portion thereof extended rearwardly into contact with the back portion, said contacting portions being

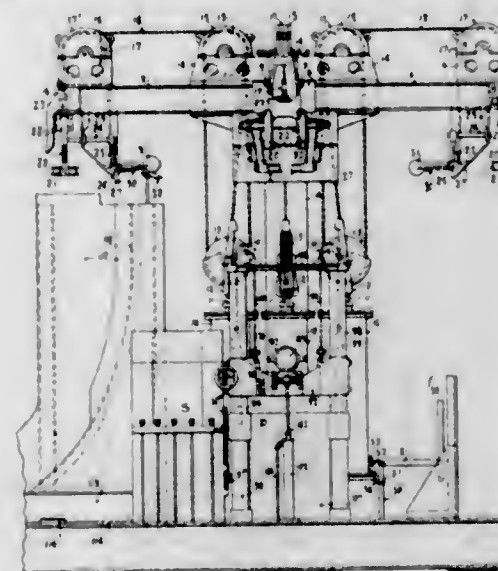
extended in a direction toward the plane of the face and being spaced from said rearwardly extending face portion to form a channel, the free edge of the back portion being bent over the free edge of the other contacting portion and forming a ledge in said channel, said face having a second channel parallel to said first channel, a screen cloth retaining member having flanges adapted to be inserted one in each of said channels, the flange in said first mentioned channel cooperating with said ledge for retaining the cloth in position, and means for securing said retaining member to said frame member.

1,741,959. APPARATUS FOR CLEANING CASTINGS. WILLIAM C. SPECK, EUGENE BARKER, ALBERT E. WHIPPLE, and ARTHUR H. DIERKER, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio, a Corporation of Ohio. Filed May 9, 1927. Serial No. 189,888. 13 Claims. (Cl. 22—1.)



1. In an apparatus for freeing castings from sand, means for freely suspending a casting for oscillatory movement, a power-operated hammer, and an abutment in line with said hammer, said hammer and abutment being located relatively to said suspension means such that a portion of said casting hanging below said suspension means is freely suspended between said hammer and abutment, said hammer being arranged to deliver blows on said casting in the general direction of the oscillatory movement thereof.

1,741,960. APPARATUS FOR CLEANING CASTINGS. WILLIAM C. SPECK and EUGENE BARKER, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio, a Corporation of Ohio. Filed June 29, 1927. Serial No. 202,447. 32 Claims. (Cl. 214—86.)

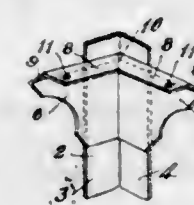


1. In an apparatus of the character described, a rotatable upright support, radially extending arms carried by

the upper end of said support, a plurality of fluid-pressure cylinders, one for each arm, arranged about the lower portion of said support and rotatable therewith, and hoisting devices on each arm connected with the piston of the corresponding cylinder.

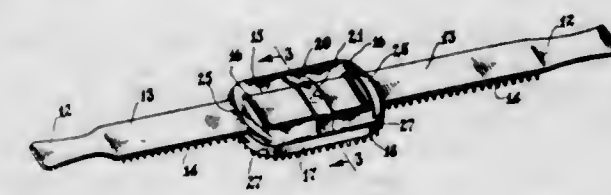
26. In an apparatus of the character described, a rotatable carrier, a plurality of load hoisting and supporting mechanisms mounted on said carrier in spaced relation with each other, radial arms, one for each mechanism, projecting from said carrier, a fluid pressure cylinder for rotating said carrier having a reciprocating piston rod, and a pivoted pawl on said rod engageable alternately with said arms upon the non-working stroke of said piston.

1,741,961. LEG CONSTRUCTION FOR WATER COOLERS. MORRIS STEIN and ABRAHAM S. LEVIN, Philadelphia, Pa. Filed Dec. 24, 1925. Serial No. 77,452. 2 Claims. (Cl. 45—48.)



2. In a water cooler of the character stated, a body portion, legs carried at the corners thereof, comprising a pair of right angled flanges, a pair of supporting brackets carried by each of said legs, each comprising a vertical web secured to the respective flange of the leg, a horizontal flange adapted to support the body of the cooler and a free inclined web intermediate said vertical web and said horizontal supporting flange adapted to impart resiliency to the latter; the horizontal flanges and inclined webs of the adjacent brackets on each leg being mitted along their contacting edges.

1,741,962. CLEANING AND MASSAGING DEVICE. ARISTEDES A. THEODOROPULOS, New York, N. Y. Filed Mar. 26, 1928. Serial No. 264,810. 4 Claims. (Cl. 15—222.)

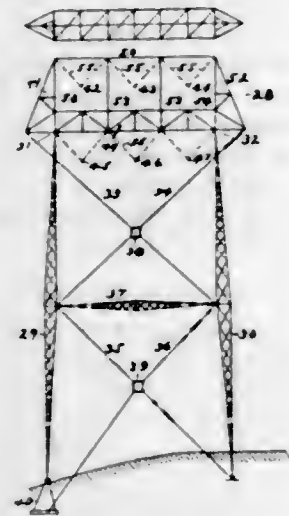


1. In a device of the class described, the combination with a massaging strap having a pair of transverse ridges on the top side position substantially adjacent a plain central portion, of a massaging block, transverse straplets integral at one of their respective ends to the body portion of the block, and so spaced as to lay on the outer sides of the transverse ridges of the belt when the block is engaged to the plain portion of the belt, said body portion being formed with slots for accommodating the free ends of the straplets, and a means for pinning the ends of the straplets disposed within said slots, against displacement.

1,741,963. TWO-CIRCUIT TRANSMISSION TOWER. PERCY H. THOMAS, Upper Montclair, N. J. Filed Nov. 20, 1925. Serial No. 70,297. 8 Claims. (Cl. 189—22.)

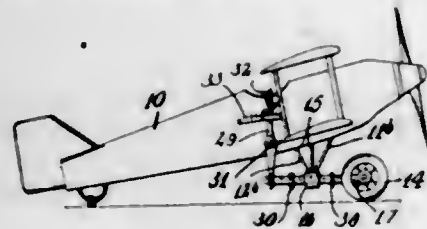
8. A transmission line tower, comprising a rigid cross-arm, carrying conductor and ground wires cables and having a plurality of planes of attachment for said cables, one above another, rigid posts under said cross-arm on both sides of the center, framed to said crossarm to take bending moment in a longitudinal plane and to permit

limited movement transversely, and longitudinal guys for taking up longitudinal load stresses, connected to said crossarm in pairs, the ground wires and the longitudinal



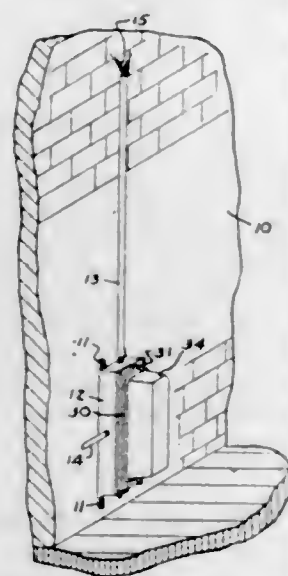
guys being connected at points between the upper and the lower attachment planes, together with transverse guys for taking up transverse load stresses.

1,741,964. AEROPLANE LANDING-GEAR ARM. SPIROS S. VARKAS, New York, N. Y. Filed Apr. 9, 1929. Serial No. 353,875. 6 Claims. (Cl. 244-2.)



1. A landing gear for an aeroplane, comprising a bracket and landing wheels, the bracket consisting of struts connected with bushings slidably supporting rods, and said wheels being mounted on the front of the rods.

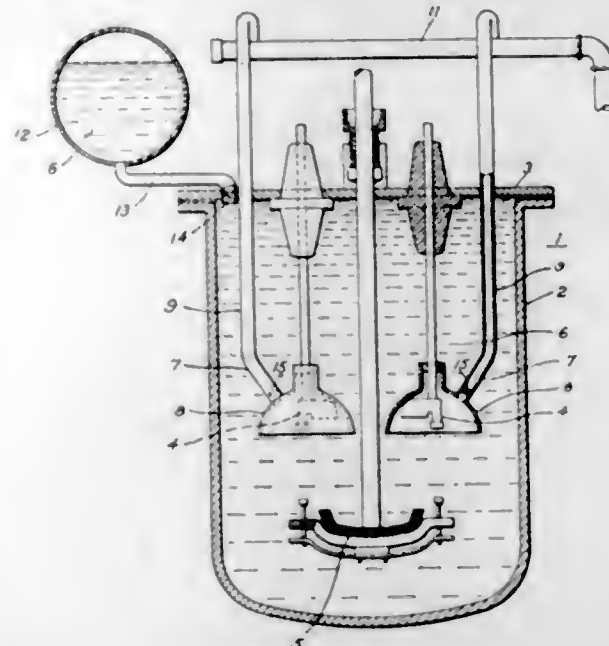
1,741,965. ELECTRIC-LAMP FIXTURE. WILLIAM H. YATES, New York, N. Y. Filed Mar. 27, 1928. Serial No. 265,207. 2 Claims. (Cl. 240-11.)



1. A fixture of the character described, comprising a conductor receiving box, conductors entering said box through a sealed inlet, a lid adapted to be fitted thereto to seal said box, said lid being provided with a depressed reflector portion extending into the said box, a socket

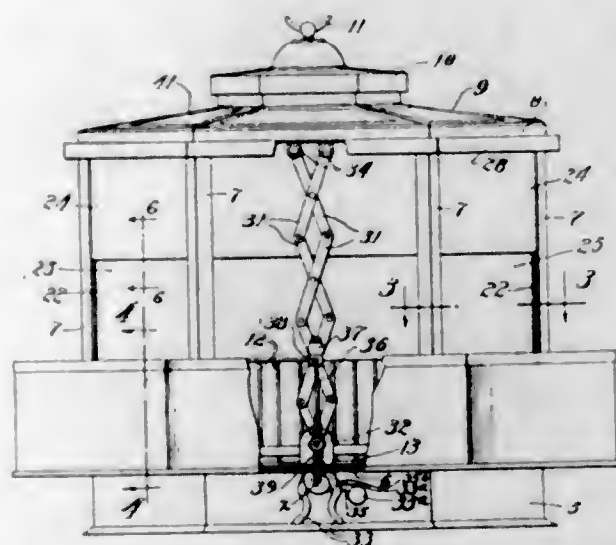
member adapted to receive a lamp fitting into the depressed reflector portion, the said lid being provided with an outlet opening for the conductors for attachment of the same to the said lamp socket and a circular shell extending therein from the lid, a shield for the socket, means to secure the same to the lid to force the base of the socket against the shell and effect a seal thereat, and a cover member hinged to said lid and including a transparent portion.

1,741,966. OIL-CIRCUIT INTERRUPTER. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 29, 1927. Serial No. 164,526. 9 Claims. (Cl. 200-150.)



1. In electrical apparatus, the combination with an enclosed tank, an electrical device mounted therein, insulating fluid surrounding the electrical device and a reservoir for the insulating fluid, of a chamber disposed about the electrical device, and a discharge conduit for the fluid connecting the said chambers to the exterior of the tank whereby, upon the occurrence of a disturbance in the electrical device to contaminate the insulating fluid, the contaminated insulating fluid is discharged through the conduit and is replaced by fluid from the reservoir.

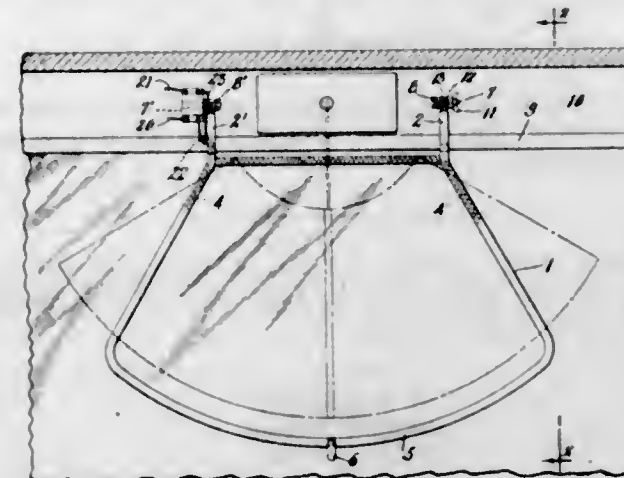
1,741,967. BIRD CAGE. PHILIP J. ADAMOWICZ, Chicago, Ill. Filed Aug. 14, 1928. Serial No. 299,607. 6 Claims. (Cl. 119-17.)



3. The combination with a cage normally open to light on all sides, of a plurality of inner and outer vertical

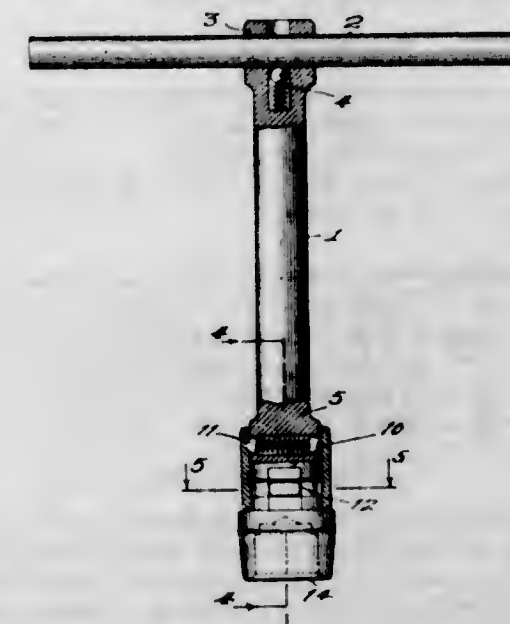
cally movable walls extending around said cage, means on said inner and outer walls adapted to interengage when one set of walls is raised, an annular structure connected to certain of said walls and movable in vertical directions, whereby the raising of said annular structure will move all of said inner and outer walls to superposed positions to close the cage to light, and means for maintaining said walls in raised position.

1,741,968. WINDSHIELD HEATER. GEORGE HENRY BECKMANN, Saddle River, N. J. Filed June 8, 1929. Serial No. 369,488. 1 Claim. (Cl. 219-19.)



A vehicle window heating device comprising a frame having pivotally mounted above said window means for maintaining said frame against the roof of the vehicle when not in use and means for maintaining said frame against the window when in use, said frame enclosing an area without obstruction to visibility within said area, a heat resisting non-electrical conducting covering over the portion of the frame surrounding said area, an electrical heating coil around said covering, means for supplying an electrical current to said coil when said frame is rotated into position against the window glass and for discontinuing the supply of said current when said frame is rotated away from the window, means to prevent burning of the top of the vehicle when said frame is rotated away from the window, said means comprising a metallic heat reflector covering the back of said electrical heating coil and carried by said frame.

1,741,969. DETACHABLE CONNECTION FOR WRENCH SOCKETS AND THE LIKE. WARREN S. BELLOWS, East Orange, N. J. Filed Aug. 26, 1925. Serial No. 52,500. 3 Claims. (Cl. 81-177.)



1. In a device of the character described, the combination of a shank having a smooth surfaced cylindrical

end provided with an open longitudinal slot and a transverse groove communicating with said slot, a wrench socket, a tongue projecting from said socket adapted to fit snugly in said slot and provided with notches adapted to register with said groove, a sleeve adapted to fit over said cylindrical end provided with interior lugs adapted to pass thru said slot when the sleeve is assembled on said shank, and to fit snugly in said groove and said notches, thereby securing the shank, wrench socket and sleeve in assembled relation.

1,741,970. INSULATING SAFETY TOOL FOR HANDLING LIVE WIRES, ETC. HENRY WILLIAM BODENDIECK, Taylorville, Ill., assignor to Tip's Tool Company, Incorporated, Taylorville, Ill., a Corporation of Illinois. Filed Nov. 27, 1925. Serial No. 71,707. 3 Claims. (Cl. 294-19.)

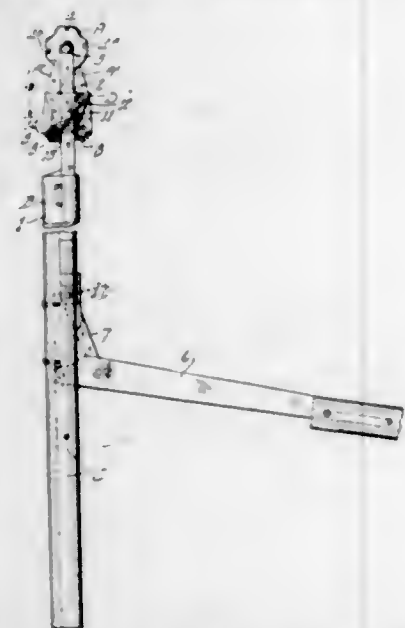


1. A tool of the class described comprising an elongated member, a screw carried by said member and projecting therebeyond, a body, said screw being threaded through a portion of said body, said body having a hook member extending across the outer end of the screw, a gripper, means for detachably connecting the gripper to the outer end portion of the screw for coaction with the hook member, said gripper moving up within the hook member upon rotation of the screw in one direction for clamping coaction therewith, the outer end of the screw when the gripper is removed serving to substantially close the hook member to permit said hook member to be used as a link, the connection between the gripper and the screw being swiveled, and means carried by the gripper and coacting with the body for holding said gripper against rotation with the screw.

1,741,971. HIGH-TENSION-WIRE CUTTER. HENRY W. BODENDIECK, Taylorville, Ill., assignor, by direct and mesne assignments, to Tip's Tool Company, Incorporated, Taylorville, Ill., a Corporation of Illinois. Filed Apr. 6, 1927. Serial No. 181,581. 5 Claims. (Cl. 30-17.)

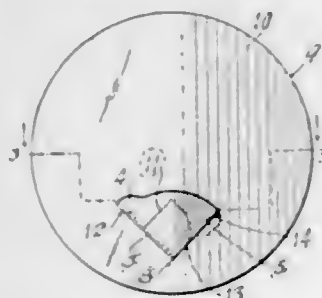
1. A high tension wire cutter, comprising a handle, pivotally mounted cutting members carried by said handle and provided with laterally-projecting arms, rollers on said arms, an operating mechanism comprising a recipro-

cating wedge-shaped actuating device adapted to move between said arm and positively rock said cutting mem-



bers, and links connected to said actuating device and to said arms for positively moving said cutting members into their open position.

1,741,972. COMBINED CLOSURE AND POURING SPOUT. HENRY BRUCKER, Newark, N. J., assignor to American Aluminum Ware Co., a Corporation of New Jersey. Filed Sept. 25, 1928. Serial No. 308,156. 2 Claims. (Cl. 221-11.)

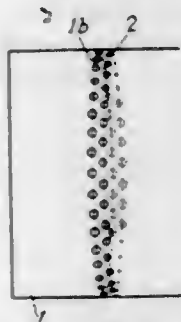


1. The combination with a container wall having a polygonal pouring opening having two adjacent sides at substantially right angles to each other, a slot forming an extension of one of said two sides of said opening, and a hole in alignment with the other of said two sides, of a pouring spout comprising two quarter-sector shaped portions arranged at right angles to each other, one of which has on its straight edge an integral hinge hook in a plane parallel to that of said portion and with its shank extending through said hole and its end extending toward the other portion substantially parallel to said straight edge in engagement with the inner side of said container wall, the second-mentioned portion extending through said slot and having a hinge flange on its straight edge at substantially right angles to the plane thereof in engagement with the inner side of said container wall.

1,741,973. PROCESS OF MAKING FUSED CEMENT. BRUNO BRUNN, Bethlehem, Pa., assignor to G. Polystus, Dessau, Germany, a firm of Germany. Filed June 9, 1927, Serial No. 197,759, and in Germany Sept. 10, 1924. 3 Claims. (Cl. 106-25.)

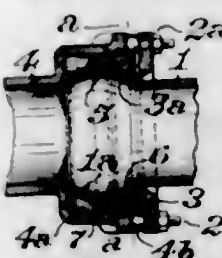
1. The process of making a cement having 38% to 40% of alumina, which consists in delivering to a rotary furnace lumps of the unground raw material of the size and character in which said lumps come from the quarry, effecting a homogeneous mixture of the ingredients, rotating said kiln to thereby break up the lumps and mix the particles, and at the same time heating to effect fusion, and thereafter grinding the fused mixture.

1,741,974. SUCTION-ROLL SHELL DRILLING. HARRY C. BURDEN, Sandusky, Ohio, assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Filed Nov. 23, 1928. Serial No. 321,406. 10 Claims. (Cl. 92-53.)



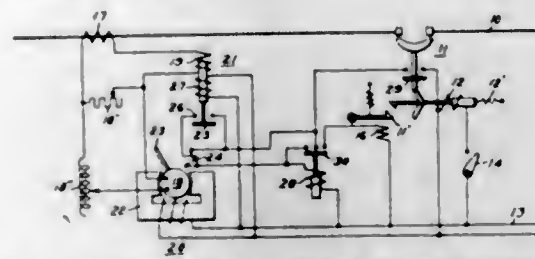
1. A suction roll shell for paper making machines provided with a plurality of endless lines of perforations each comprising several curves.

1,741,975. BALL JOINT. HARRY S. BURNHAM, Schenectady, N. Y. Filed July 8, 1927. Serial No. 204,215. 2 Claims. (Cl. 285-94.)



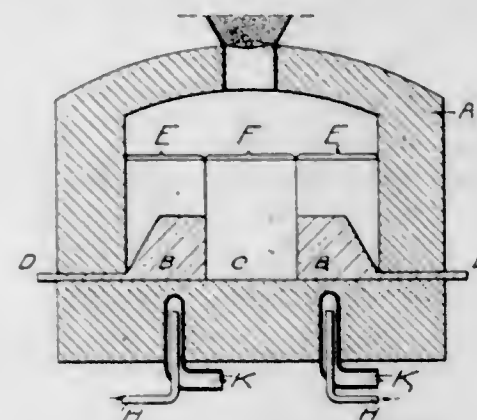
1. In a ball joint appliance for pipes, the combination of a ball member; a socket member, having a concave bearing face engaging the convex inner end of the ball member, and a plurality of spaced members extending from the outer end of said socket member, having outer faces cooperating to form a seat; a gland rigidly secured to the socket member, having a concave bearing face engaging the convex outer end of the ball member, and cooperating with the concave bearing face of the socket member, to retain said ball member against longitudinal movement, said gland abutting said seat, whereby said concave faces cooperate to permit rotation of the ball without play; a packing interposed between the ball and socket members; and an axially rotatable ring, interposed between the socket member and gland, and having threaded engagement with one of said last specified members, whereby the ring may be advanced to increase the pressure on the packing, said ring having means, exposed between said spaced members, for the application of a tool to effect advancing of said ring.

1,741,976. SHORT-CIRCUIT DETECTOR. CHARLES A. BUTCHER, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 17, 1928. Serial No. 278,395. 14 Claims. (Cl. 175-294.)



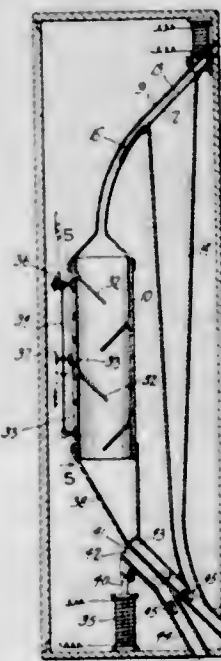
1. In a protective system for a direct-current distribution system, a circuit-interrupter for disconnecting a faulty section from a supply source, means for controlling the operation of said interrupter including a relay operative in accordance with the average rate of change of current in the system and a relay responsive to both the average rate and duration of such change.

1,741,977. ELECTRIC FURNACE. CORNELIUS ERIC CORNELIUS, Stockholm, Sweden. Filed Nov. 10, 1928, Serial No. 318,365, and in Sweden Jan. 9, 1928. 2 Claims. (Cl. 266-1.5.)



1. An electric furnace for melting or producing glass, water-glass, cement and other substances, in which the substance which is melted or produced forms a resistance for the electric current, comprising solid metal electrodes having a large heat accumulating capacity in relation to the substance to be treated, said electrodes being free-standing on the bottom of the furnace and exposed to the liquid resistance.

1,741,978. SOUND-OPERATED COIN DETECTOR AND ELIMINATOR. DELBERT E. COURTNEY, Golden, Colo. Filed May 28, 1927. Serial No. 194,974. 15 Claims. (Cl. 194-1.)

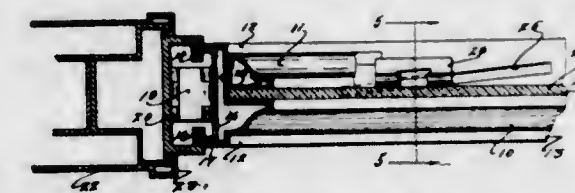


15. In coin controlled apparatus, the combination with an operative element and a proper coin outlet, of mechanism for the actuation of said element for permitting the passage of proper coins of a predetermined value only to said coin outlet, said mechanism being controlled by the sound of a deposited coin.

1,741,979. VARIABLE PANEL AND MOLDING RETAINER. AXEL G. DAWSON, Jamestown, N. Y., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y., a Corporation of New York. Filed July 12, 1928. Serial No. 292,056. 3 Claims. (Cl. 189-34.)

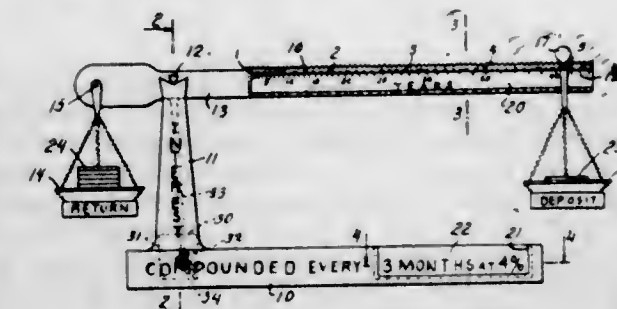
1. A removable panel construction comprising a frame provided with a molding on one side thereof, a flange

extending from said molding to the opposite side of said frame, said flange having a plurality of slots produced at an angle to the longitudinal axis of said frame, remov-



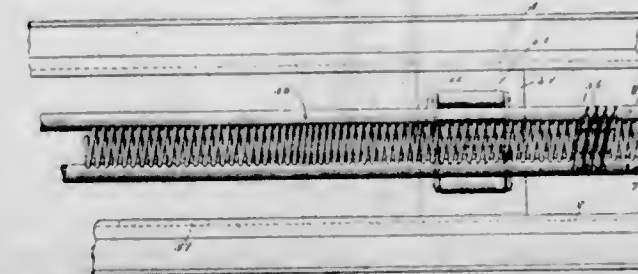
able and adjustable clips engaging said slots, removable molding engaging said clips and a panel held between said frame molding and said clips.

1,741,980. WINDOW-DISPLAY DEVICE. CHARLES DE FOREST, Yonkers, N. Y., assignor to American Provident Corporation, New York, N. Y., a Corporation of New York. Filed July 1, 1929. Serial No. 375,092. 4 Claims. (Cl. 40-126.)



1. A window display device comprising a scale beam, a frame having a vertical arm, a pivotal connection between the scale beam and the vertical arm, a scale pan depending from the scale beam a fixed distance from said pivotal connection, graduation marks on the scale beam on the other side of the pivotal connection at distances which are multiples of said fixed distance, a scale card on the scale beam having thereon graduations representing time periods computed from an interest table indicating in conjunction with the graduation marks on the scale beam the times required to multiply a deposit placed at compound interest, an interest card indicating the interest table used for such computations, and a scale pan slidably mounted upon the scale beam and adapted to hold a coin, the scale pan which depends from the scale beam at a fixed distance from the pivotal connection being adapted to receive a plurality of coins to balance the coin in the slidable scale pan.

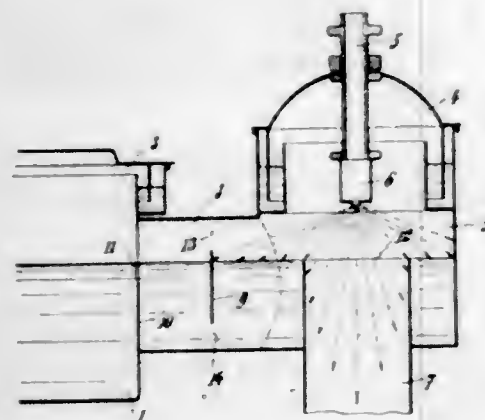
1,741,981. DRYING APPARATUS. BRADLEY DEWEY, Cambridge, Mass., and THOMAS L. TALIAFERRO, Chicago, Ill. Filed Jan. 22, 1926. Serial No. 82,983. 23 Claims. (Cl. 198-213.)



7. Apparatus of the class described comprising a frame, an elongate helical spring conveyor extending longitudinally of the frame, spaced parallel rotary shafts extending lengthwise of the conveyor and supporting the latter between them, and means for rotating the conveyor.

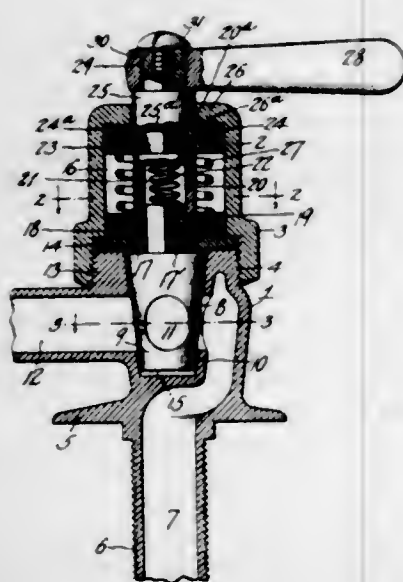
17. Apparatus of the class described comprising a substantially horizontal elongate conveyor helix having its spires spaced to receive between them disks to be conveyed, a rotary shaft secured to each end of the conveyor, and means for positively and synchronously rotating said shafts.

1,741,982. WATER REPLENISHING AND LEVEL MAINTAINER. LEO EHLMANN, Vienna, Austria. Filed Mar. 23, 1928, Serial No. 264,251, and in Austria May 7, 1927. 3 Claims. (Cl. 53-1.)



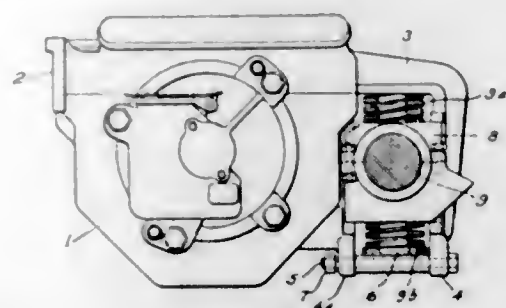
1. In liquid replenishing and level maintaining means for cooking and sterilizing vessels, a level maintaining device, a boiler, means establishing communication between the latter and the said level maintaining device, a water discharge pipe and a feed nozzle secured to the said supply pipe, the said nozzle being arranged to discharge a stream of feed water into the path of steam flowing from the boiler so that the steam will preheat the feed water and be partly or wholly condensed by exchange of heat between the same and the feed water.

1,741,983. VALVE, COCK, AND THE LIKE. JOHN ELLBERG, New York, and MAGNUS CRONWALL, Brooklyn, N. Y. Filed Jan. 18, 1929. Serial No. 333,387. 1 Claim. (Cl. 251-103.)



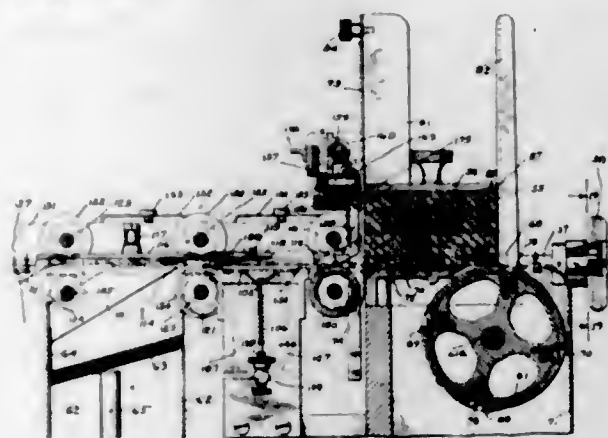
The combination with a valve housing provided with a cap threaded thereto, of a partition wall clamped to said valve housing by said cap, said partition wall being provided with a central opening, a valve in said valve housing, a valve-operating stem section extending through the opening in said partition wall, a seating disk provided with a hand-operated stem section rotatably mounted in the outer wall of said cap and rotatably abutting against the inner wall thereof, and a second seating disk rotatably abutting against said partition and having a stem section interengaging with the first-mentioned seating disk, said hand-operated stem section being non-rotatably connected to the second-mentioned seating disk.

1,741,984. FLEXIBLE GEAR WHEEL. GEORGE HERBERT FLETCHER, Sheffield, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Nov. 12, 1923, Serial No. 674,223, and in Great Britain Nov. 14, 1922. Divided and this application filed Apr. 9, 1927. Serial No. 182,254. 14 Claims. (Cl. 74-29.)



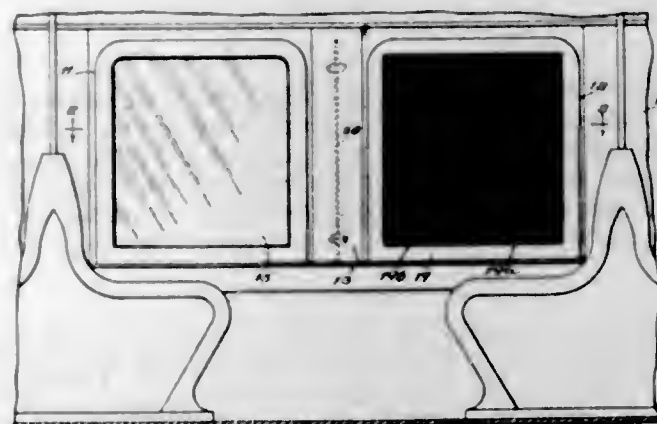
1. A gear element comprising a hub and a rim member having spherical engaging faces and a flexible connection therebetween for permitting relative universal movement of said hub and rim member.

1,741,985. SORTING MACHINE. EUGENE A. FORD, Scarsdale, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed Nov. 7, 1924. Serial No. 748,347. 51 Claims. (Cl. 209-110.)



1. In combination, means for analyzing a card, a plurality of distributing passages the receiving ends of which are normally closed, means operated by said analyzing means to open the receiving end of a passage for the card, the position of the card itself determining which passage shall be opened.

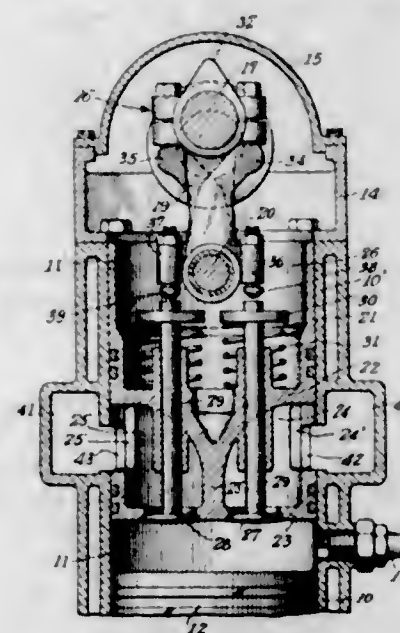
1,741,986. VENTILATING SCREEN. JOSEPH HARRIS, Wheaton, Ill. Filed Nov. 4, 1927. Serial No. 231,092. 1 Claim. (Cl. 95-93.)



In a ventilating screen for movable vehicles having an opening in a wall thereof and provided with a baffle on the

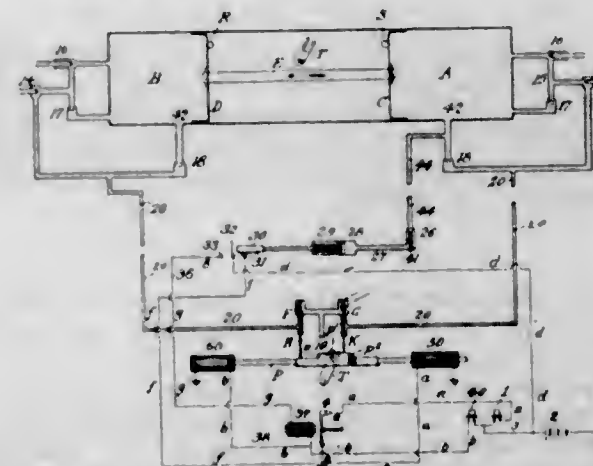
outside of said wall disposed adjacent to and at the forward side of the opening with reference to the direction of movement of the vehicle whereby an area of decreased air pressure immediately rearwardly of the baffle and an area of increased air pressure further rearwardly of the baffle is created when the vehicle is in motion, said ventilating screen having one portion thereof formed with an effective relatively very fine mesh adapted to be disposed in said area of increased pressure to minimize inward passage of solid particles therethrough and having another portion thereof of an effective relatively coarser mesh adapted to be disposed in said area of decreased pressure to readily permit air being exhausted outwardly there-through.

1,741,987. INTERNAL-COMBUSTION ENGINE. JOE HUTCHINSON, Great Neck, N. Y. Filed Feb. 28, 1927. Serial No. 171,470. 6 Claims. (Cl. 123-75.)



4. In an internal combustion engine, a bored cylinder, an inlet manifold on one side, an outlet manifold on the other side, a power piston in said cylinder, an auxiliary piston in said cylinder having a wrist pin, chambers in opposite sides of said auxiliary piston, said chambers having ports registrable with ports in the respective manifolds, valves controlling communication between said chambers and cylinder, a shaft having a crank, a pitman connecting said crank and wrist pin, levers pivoted on said wrist pin, and cams on the crank of said shaft to actuate said levers and move the valves in timed sequence.

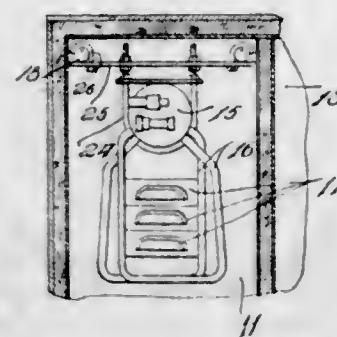
1,741,988. DOOR-ENGINE CONTROL. LEE P. HYNES, Albany, N. Y., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y., a Corporation of New York. Filed Feb. 28, 1920. Serial No. 362,162. 21 Claims. (Cl. 121-44.)



1. A fluid pressure engine comprising a cylinder and a piston, a valve actuator for setting said valves to open the

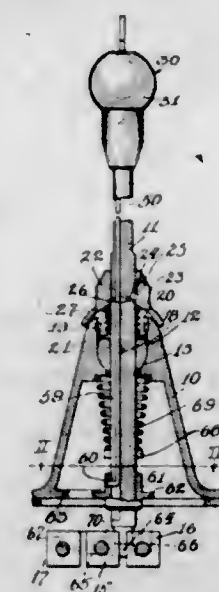
admission and to close the exhaust ports, an electromagnetic device for operating said actuator, a switch for momentarily energizing said electromagnetic device, a retainer positioned to engage said valves, and an operating connection for moving said retainer to disengage it from said valves at the end of the stroke of the piston.

1,741,989. REFRIGERATOR-COIL MOUNTING. COLVIN L. JOHNSON, St. Louis, Mo., assignor to Johnson Automobile Lock Co., St. Louis, Mo., a Corporation of Missouri. Filed Feb. 17, 1927. Serial No. 168,936. 8 Claims. (Cl. 62-95.)



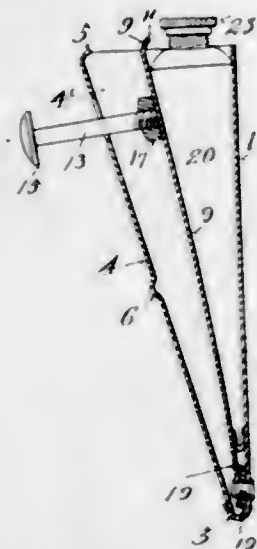
3. Supporting means for mounting a refrigerator unit in various sizes of ice compartments comprising a pair of extensible bars including aligned members having means on the ends thereof adapted to engage opposite walls of the ice compartment, means adapted to force said aligned members apart to engage the opposite walls of the ice compartment and mounting means for said unit connected to said bars in such a manner as to cause said refrigerator unit to hang from said bars.

1,741,990. TRANSMISSION LOCK. COLVIN L. JOHNSON, St. Louis, Mo., assignor to Johnson Automobile Lock Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 31, 1927. Serial No. 230,161. 10 Claims. (Cl. 70-128.)



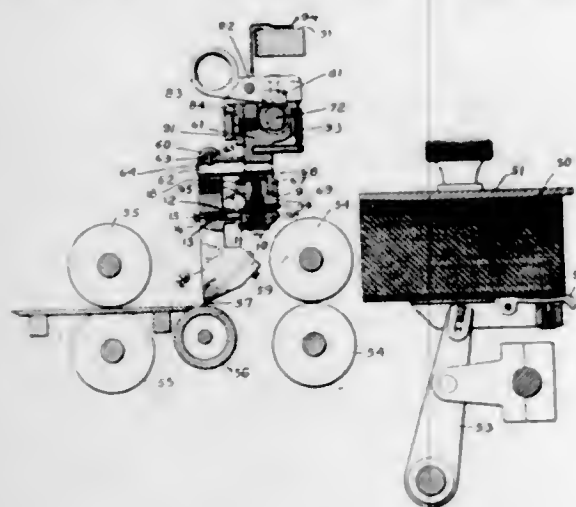
1. In combination, a gear shift lever, a support for said gear shift lever, a slidable locking element connected to the lower end of said lever, means connected to the lower end of said support for limiting the lateral movement of the lower end of said lever and means for lowering said locking element on said lever to permit of a greater range of movement on the part of the lower end of said lever.

1,741,991. PASTE EJECTOR. BERTELL W. KING, New York, N. Y. Filed Nov. 1, 1926. Serial No. 145,543. 8 Claims. (Cl. 221-60.)



1. In a device of the type described the combination with a container for receiving a paste receptacle of resilient means thereon for dispensing the paste when the receptacle is open and means on said dispensing means for moving it out of operative position for removing and inserting the receptacle.

1,741,992. QUICK-SETTING DEVICE FOR BRUSH HOLDERS. HARRY KRECKLER, Binghamton, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed Sept. 30, 1926. Serial No. 138,795. 22 Claims. (Cl. 200-110.)

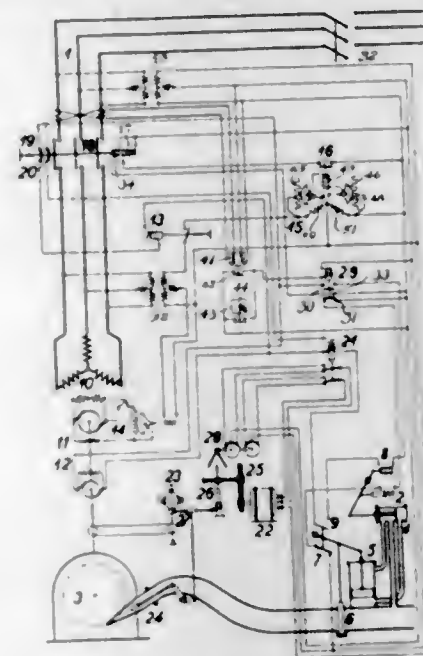


1. An adjustable analyzing device for accounting machines comprising an analyzing element, supporting means therefor and means for independently effecting a coarse and a fine adjustment of said element on its supporting means.

1,741,993. SYSTEM AND APPARATUS FOR OPERATING ONE OR MORE ELECTRICAL POWER AUXILIARY STATIONS FROM A CENTRAL STATION. HANS CONRAD KLONINGER, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Filed Mar. 20, 1923. Serial No. 626,364. and in Germany Apr. 15, 1922. 32 Claims. (Cl. 171-118.)

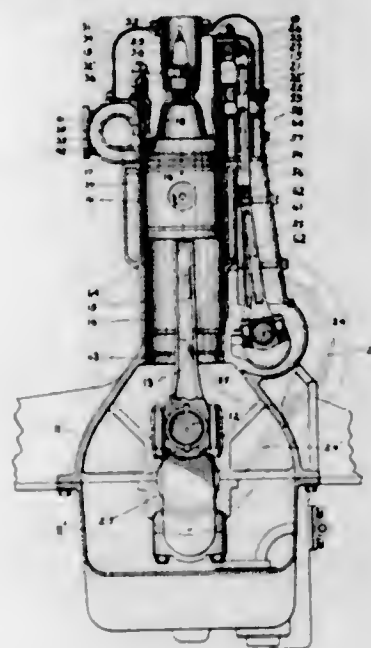
1. Apparatus for operating an alternating current power plant in conjunction with an alternating-current line, said plant containing a synchronous alternator, driving means therefor, alternator switch means for connecting said alternator to said line, means for controlling the operation of the said driving means, an automatic connecting device for connecting the synchronous alternator

to the line by actuation of said alternator switch means when synchronism is established, and means responsive to predetermined speed conditions of said driving means



and being operable at such conditions to render said connecting device effective with respect to said alternator switch means.

1,741,994. INTERNAL-COMBUSTION ENGINE. CHARLES Y. KNIGHT, Pasadena, Calif., assignor to Knight American Patents Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 18, 1922. Serial No. 537,376. 17 Claims. (Cl. 123-75.)



1. In a reciprocating engine, a cylinder comprising a main body portion and a detachable outer end portion having intake and exhaust passageways therein, and a head projecting inwardly into the cylinder and ending short of said passageways and removably connected with said detachable end portion.

1,741,995. PROJECTILE TOY. HOWARD G. LAPSLEY, Plainfield, N. J. Filed Mar. 22, 1928. Serial No. 263,893. 3 Claims. (Cl. 273-96.)

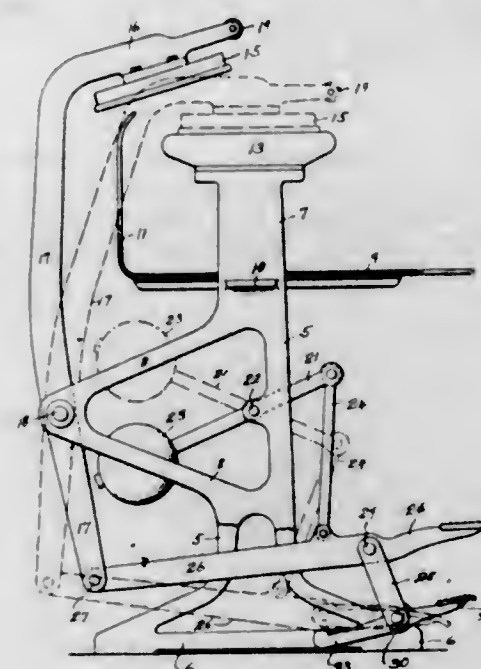
1. A portable projectile toy comprising, a rod, a hoop secured to one end of the rod, the rod passing through the hoop and dividing it, a net secured to and depending below the hoop, a manikin secured to the rod at a point over the net and having upturned projections thereon for catching and holding washer-shaped projectiles, the other

end of the rod serving as a handle by which the toy may be manipulated by one hand of the user, a washer-shaped projectile, and an obliquely arranged flat spring secured to the rod and projecting therefrom rearwardly toward the handle and provided on its upper surface with a pin



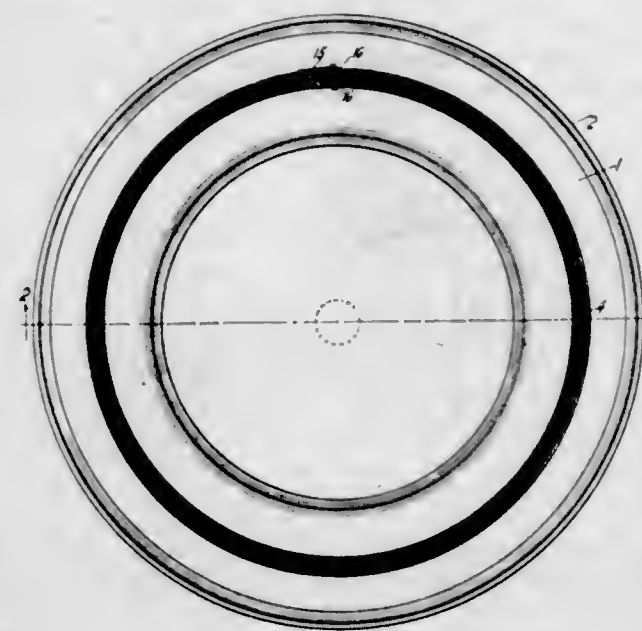
for holding a washer-shaped projectile thereon, the free end of the spring terminating within reach of the hand grasping the handle so that the depression and release of the spring by the hand grasping the handle serves to impel the projectile toward the manikin.

1,741,996. GARMENT PRESS. JAMES C. LEDBETTER, Brooklyn, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed June 11, 1924. Serial No. 719,260. Renewed May 23, 1929. 8 Claims. (Cl. 68-9.)



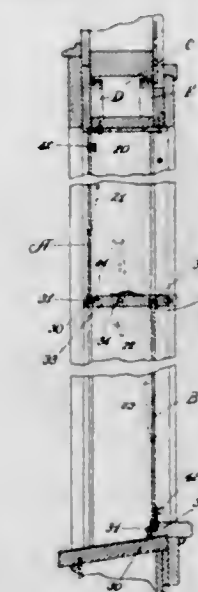
1. A pressing machine comprising in combination, a frame, a press buck carried on the frame, a movable press head coacting with the buck, a press lever pivoted on the frame and disposed in a vertical position and being attached to said head, the press lever frame fulcrum point being located below the pressing plane and to the rear of the longitudinal axis of the head and buck to introduce a compound motion of the head to throw it back away from and above the buck to expose the buck to view, two connected links forming a toggle, a foot piece on one end of one link forming a pedal of the link, one toggle end being pivotally attached to the press lever, the other toggle end being pivotally attached to the frame, kick-off means to break the toggle after it has reached overstrained position, a weight lever pivoted in the frame, a counter weight on one end of the weight lever to balance the movable press head, and a link connecting the toggle with the weight lever causing the weight to pull upwardly on the toggle.

1,741,997. PROCESS OF MARKING TIRES. WILLIAM G. LERCH, Akron, Ohio, assignor to The India Tire & Rubber Company, Mogadore, Ohio, a Corporation of Ohio. Filed Mar. 14, 1928. Serial No. 261,671. 2 Claims. (Cl. 41-26.)



1. The process of marking tires comprising preparing an area to be marked with a color contrasting with color of the main surface of the tire by forming thereon a plurality of fine, closely spaced depressions, and applying rubber cement of a contrasting color to the area so that it will collect in pools in the depressions.

1,741,998. WINDOW. REINHOLD B. MARSCHKE, St. Paul, Minn. Filed May 23, 1928. Serial No. 280,034. 11 Claims. (Cl. 20-52.)

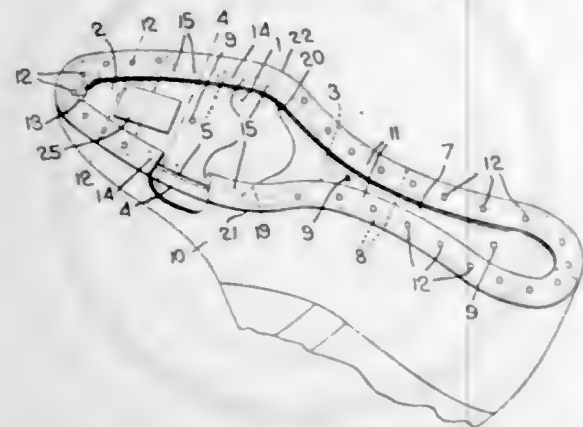


1. A window for buildings including, sashless window panes, means for slidably supporting said window panes in parallel relation to each other, and a meeting rail tiltable between the respective bottom and upper edges of said window panes and in a manner to engage said edges to close said window.

1,741,999. METHOD OF MAKING SHOES. JOHN WALTER MAY, Belmont, Mass. Filed Feb. 29, 1928. Serial No. 257,913. 1 Claim. (Cl. 12-142.)

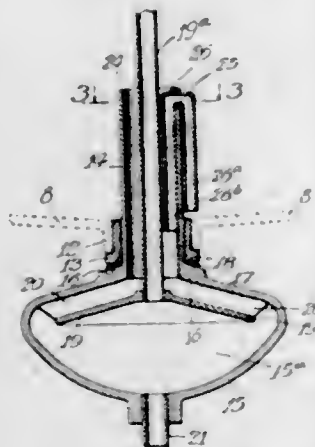
The process of making a shoe which consists in forming a two-part insole member comprising a toe section hav-

ing an exterior shape corresponding to the toe section of the last on which the shoe is to be made and a removable insole section which is of less width than said last and which is temporarily secured to the toe section, applying said insole member and a separate shank member to the metal bottom of a last, lasting an upper over the last and in so doing fastening the edges thereof to the shank member and to the toe section of the insole member in usual manner, and fastening the edges of the upper to the removable section of the insole member by fastenings



which are more securely anchored in the removable section than in the edges of the upper, removing the last from the shoe, stitching an outsole to the shoe by stitches which extend through the shank member and toe section of the insole member but which extend outside of the removable insole section, and then removing said removable insole section from the shoe and by this operation pulling from the edges of the upper the fastenings by which said edges are united to said removable section.

1,742,000. WATER-HEATER DRAIN. JAMES P. MORLEY, La Porte, Ind., assignor to Bastian-Morley Company, La Porte, Ind., a Corporation of Indiana. Filed Sept. 10, 1927. Serial No. 218,608. 9 Claims. (Cl. 122-18.)

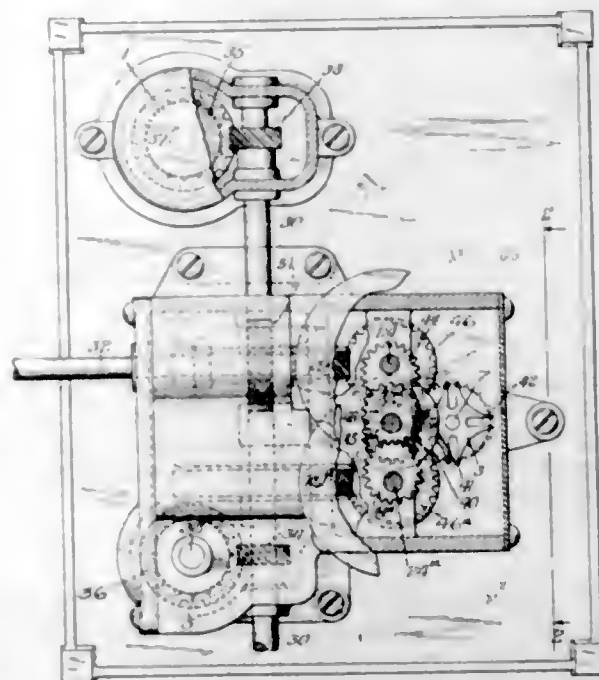


1. In a water heater, a storage tank and a hollow drain member mounted in the bottom of said tank and extending inwardly to a point spaced therefrom, means for normally closing the drain member and a siphon carried by said member with its short leg extending exteriorly of said member to a point close to said tank bottom, and its longer leg extending interiorly of said member.

1,742,001. DRIVING MECHANISM FOR MOTION-PICTURE-PROJECTION MACHINES. FOREST RAY MOUTON, Chicago, Ill., assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 4, 1922. Serial No. 592,415. 6 Claims. (Cl. 88-18.3.)

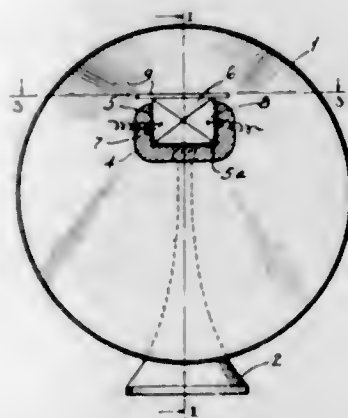
2. In a device of the character described, in combination, a driving shaft, a pair of driving members on said

shaft, a pair of spaced driven members actuated by said driving members, an auxiliary motion transmitting member between said spaced driving members, elliptical gears complementally connecting said driving members to said



auxiliary motion transmitting member, an element to be intermittently moved, and an intermittent motion transmitting member connecting said last named element to said auxiliary motion transmitting member.

1,742,002. ECCENTRIC CONE LOUD-SPEAKER. ALEXANDER McLEAN NICOLSON, New York, N. Y., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 11, 1927. Serial No. 174,491. 3 Claims. (Cl. 181-31.)

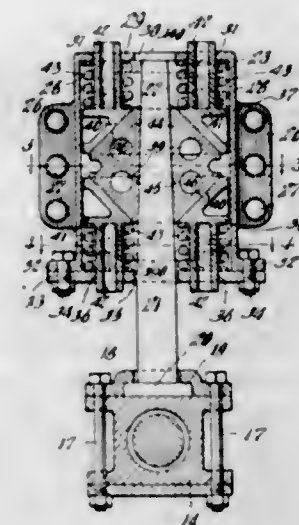


1. A loud speaker, comprising a relatively large conical diaphragm, exposed on one side to unconfined air, and having its apex unsymmetrically disposed with reference to its periphery, and means for initiating vibrations in said diaphragm in different phase relation at different points thereof.

1,742,003. SHOCK-ABSORBING DEVICE FOR VEHICLES. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 13, 1926. Serial No. 141,255. 4 Claims. (Cl. 188-129.)

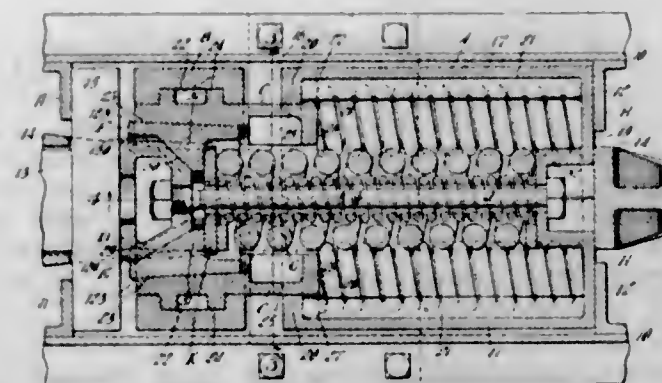
1. In a shock absorbing mechanism for vehicles, the combination with relatively movable members carried by

the vehicle body structure and supporting spring, respectively; of friction elements carried by one of said members; and an actuating element carried by the other of said members and movable between said friction ele-



ments and in frictional contact therewith; and yielding means having wedging engagement with said friction elements for forcing the same against the actuating element.

1,742,004. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 6, 1927. Serial No. 217,810. 6 Claims. (Cl. 218-24.)



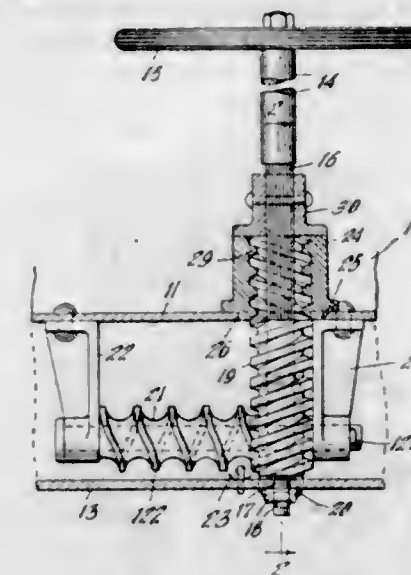
1. In a friction shock absorbing mechanism, the combination with a spring cage; of a friction shell anchored to the cage for limited relative movement thereto; friction means co-operating with the shell and relatively movable thereto; and spring resistance means opposing relative movement of the shell and cage, said spring resistance means including a spring element co-operating with the friction means and additional spring elements directly opposing movement of the shell, said spring elements cooperating with the friction means alone opposing relative movement of the friction means and shell after relative movement of the shell and cage has been arrested, and said additional spring elements having their compression limited when movement of the shell is arrested.

1,742,005. HAND BRAKE. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 19, 1927. Serial No. 227,176. 5 Claims. (Cl. 74-120.)

1. In a hand brake mechanism, the combination with a rotatable brake staff; of a worm element slidably mount-

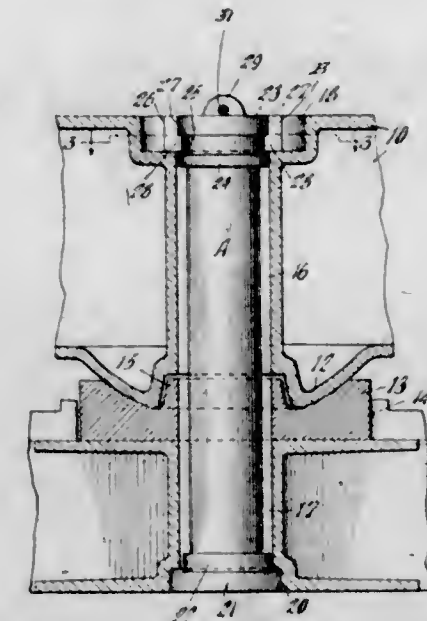
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ed on said staff; a winding drum having a worm wheel normally disposed in engagement with said worm element; and a threaded nut adapted to co-operate with



said worm upon rotation of said staff under certain conditions to effect sliding movement of said worm element into and out of engagement with the worm wheel on said drum.

1,742,006. LOCKING CENTER-PIN CONSTRUCTION FOR RAILWAY CARS. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 9, 1928. Serial No. 268,564. 6 Claims. (Cl. 105-200.)

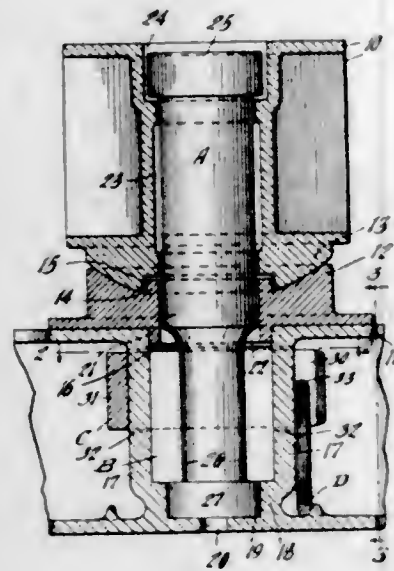


1. In a swiveled connection of a body bolster and a truck bolster member of a railway car, the combination with a center pin extending through the body bolster and truck bolster member, said pin having a fixed head at one end; of a detachable head member, including separable sections secured to the other end thereof; and fixed abutment means on one of said bolsters directly engaging and embracing said sections to prevent lateral separation and removal thereof.

1,742,007. CENTER-PIN-LOCKING ARRANGEMENT FOR RAILWAY CARS. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 14, 1928. Serial No. 269,934. 5 Claims. (Cl. 105-200.)

1. In a center pin locking arrangement for railway cars, the combination with a body bolster member; of a truck bolster member, one of said bolsters having a pocket having

a side wall; a center pin connecting said members, said pin being headed at one end, and having the other end extending into the bolster member provided with the pocket, and extending through said pocket, the portion of the pin extending into said last named bolster member being notched, the head of said pin having shouldered engagement with



the other bolster member; removable locking members within said pocket embracing the pin and engaging the notched section thereof to hold the pin to the corresponding bolster member; and detachable holding means extending through the wall of said pocket and embracing said locking members to prevent lateral separation thereof.

1,742,008. RANGE. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed Mar. 23, 1928. Serial No. 264,156. 3 Claims. (Cl. 126-190.)



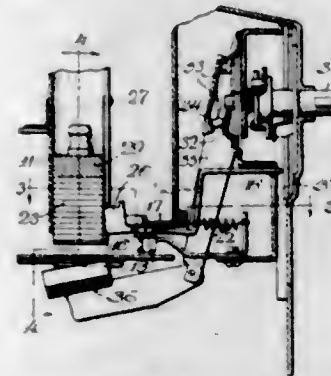
1. In an oven and broiler door construction for gas ranges, the combination of a rectangular frame recessed along its inner edge, a center bar flush with the recessed portion of the frame, a broiler door hinged to the lower edge of the frame arranged when closed to fit in the lower portion of the recessed part with its upper edge abutting said bar and an oven door fitted in the upper portion of the recessed part of the frame with its lower edge closely adjacent the upper edge of the broiler door.

1,742,009. APPARATUS FOR HANDLING LOOSE MATERIAL. THOMAS E. PRAY, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 6, 1929. Serial No. 120,618. Renewed June 8, 1929. 6 Claims. (Cl. 214-105.)



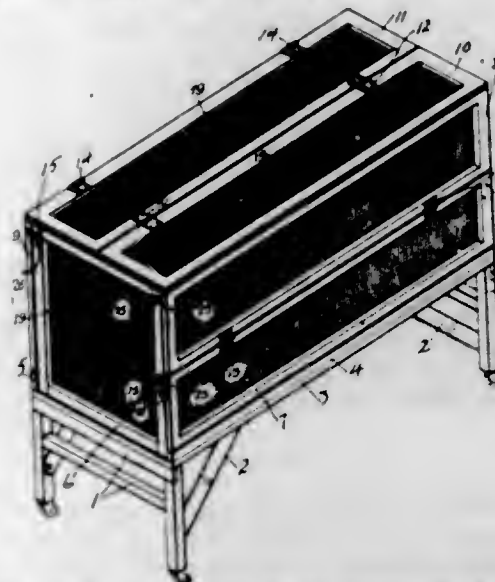
1. In a device for handling loose material, a wheeled frame, a loading chute extending longitudinally over said frame and pivotally mounted thereon to rock on a transverse axis, power devices carried beneath said chute, and winding devices also carried beneath said chute and operatively connected with said power devices.

1,742,010. CHECK-CONTROLLED MECHANISM. MYRON H. RICHARDSON, Chicago, and ALBERT E. GERRIT, Wilmette, Ill., assignors to Advance Machine Company, Chicago, Ill., a Corporation of Illinois. Original application filed Feb. 4, 1927. Serial No. 165,783. Divided and this application filed July 23, 1927. Serial No. 207,876. 10 Claims. (Cl. 194-1.)



7. A vending machine including a shiftable container for the articles to be vended, a check chute, means adjacent the path of movement of the container and operable to control the delivery of the check from said chute, and an element carried with the container and controlled by the articles in the container whereby the said element will be rendered active to actuate the said means to cause the check to be released, the said element being automatically rendered inactive in the absence of articles in the container.

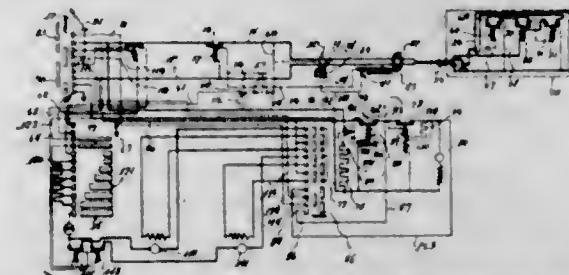
1,742,011. SCREENED FOLDING CRIB. ROBERT G. RUMSEY, Kinsley, Kans. Filed Nov. 13, 1926. Serial No. 148,309. 1 Claim. (Cl. 5-79.)



A collapsible crib comprising eight rectangular and non-equilateral frames with screened panels, and including the combination of a bottom frame, a truss support

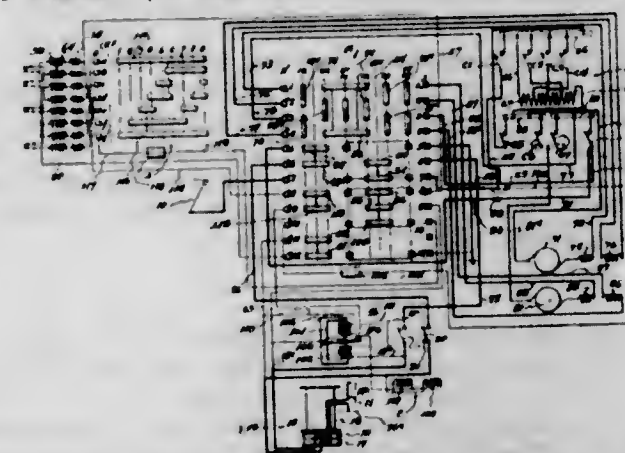
for same, comprising two U-shaped wire members with their open ends secured to the end cross-members of the bottom panel and with their closed part extending toward each other longitudinally of the crib, depressed curves formed in the closed corners of said U-shaped members adapted to receive and hold truss rods, and truss rods secured to said curves and tightly binding said U-shaped members toward each other, a bar longitudinally secured to the front top edge of said bottom frame and a somewhat higher bar secured to the rear top edge of said bottom frame, end frames hinged one to the top of each end of said bottom frame and adapted to stand upright and to fold down on said bottom frame, and between said bars, a back frame hinged to the top inner edge of said higher bar, a front side to said crib comprising two frames hinged longitudinally together at their outer conjoining edges and the lower of said two frames being hinged at its lower inner edge to the top inner edge of said bar secured to the front top edge of said bottom frame and adapted to fold down on said end frames and when upright to be latched uprightly by raising said end frames against the inner sides of said back frame and the lower one of said two frames, a lid member to said crib, comprising two frames hinged together on their upper conjoining longitudinal edges and adapted to fold together on their upper side, one of said frames being hinged at its upper outer edge to a link which is hinged to the upper outer edge of said back frame, and adapting said lid frames to fold together and then fold down on the outer side of said back frame, means for latching or hooking said frames front and back when upright to said end frames and means for opening a part of said front or a part of said lid or both, without impairing the rigidity of said crib.

1,742,012. CABLE-REEL LOCOMOTIVE. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 22, 1927. Serial No. 200,668. 8 Claims. (Cl. 191-8.)



1. In combination with a cable reel locomotive, a cable having two conductors, a junction box having main operating lines and means for detachably connecting said cable thereto, and means on said locomotive responsive to tension on said cable for automatically cutting off potential from the latter.

1,742,013. MINE-LOCOMOTIVE SAFETY DEVICE. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 23, 1928. Serial No. 256,095. 3 Claims. (Cl. 191-3.)



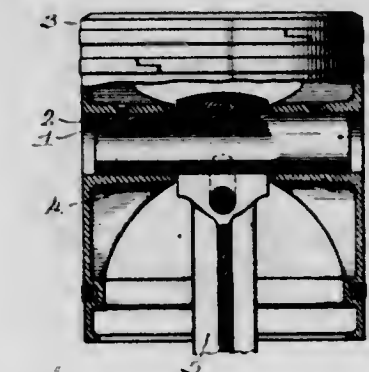
1. In an electric locomotive including a main circuit control device, switch means in the main power lines adjacent the point of power supply to said locomotive, a test circuit including said power lines and their associated control circuits on said locomotive beyond said switch means, means for automatically closing said switch means when said current control device is in operative position, a test circuit connection bridging said main power line switch, and means responsive to current leakage from said test circuit when said power line switch is open to render said switch closing means inoperative.

1,742,014. FASTENING DEVICE. GEORGE L. SMITH, Boston, Mass. Filed Dec. 13, 1927. Serial No. 239,799. 4 Claims. (Cl. 24-106.)



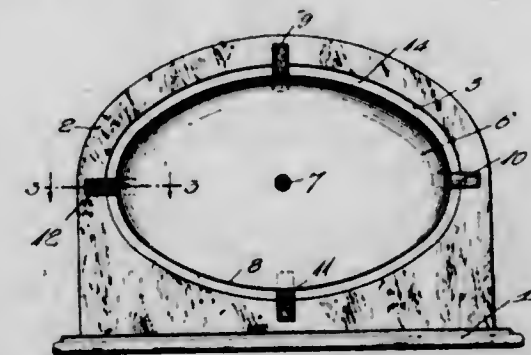
1. A fastening device of the character described comprising in combination, a head, and a unitary, compressible body portion projecting from said head and tapering from an intermediate point thereof longitudinally in opposite directions.

1,742,015. PISTON PIN AND METHOD OF FORMING SAME. RALPH R. TAYLOR, Hagerstown, Ind. Filed Sept. 7, 1926. Serial No. 133,738. 3 Claims. (Cl. 74-108.)



1. A thin-walled, light weight piston pin of the character described, which comprises an inner, thin, steel tubular shell section of a thickness substantially one-half the total thickness of the pin wall, and a chill-hardened cast iron shell section around said steel shell section intimately joined therewith by casting to form in effect a single wall structure, the outer surface of said cast iron shell part being finished for bearing surfaces.

1,742,016. SOUND REPRODUCER. LE ROY W. STAUNTON, Jackson Heights, N. Y., assignor to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Oct. 6, 1926. Serial No. 139,907. 6 Claims. (Cl. 181-31.)



1. A sound reproducer comprising a vibratile device, an elliptically shaped sound reproducing diaphragm, a mounting plate having an aperture in which the peripheral edge

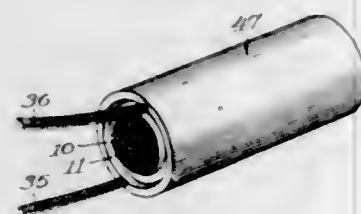
of said diaphragm is free to float and a connection between said vibrator device and the apex of said elliptically shaped sound reproducing diaphragm, said connection serving to support said sound reproducing diaphragm, leaving the periphery thereof substantially unconstrained and a plurality of flexible felt strips extending between separated portion of the periphery of said diaphragm and said mounting plate.

1,742,017. METHOD OF BRAZING. FRANK P. VINCENT, Elyria, Ohio, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 4, 1926. Serial No. 139,331. 9 Claims. (Cl. 43-112.)



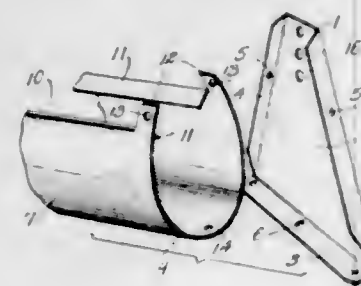
1. The process of brazing tubes which comprises moving a plurality of tubes simultaneously through a chamber, controlling the temperature of the chamber, so that the temperature of the tubes is substantially uniform on any transverse plane, and controlling the speed at which the tubes are moved so that brazing material is heated sufficiently to fuse but not to burn.

1,742,018. MAGNETIC BOBBIN. HUGO H. WERMINE, Villa Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1928. Serial No. 287,305. 6 Claims. (Cl. 175-21.)



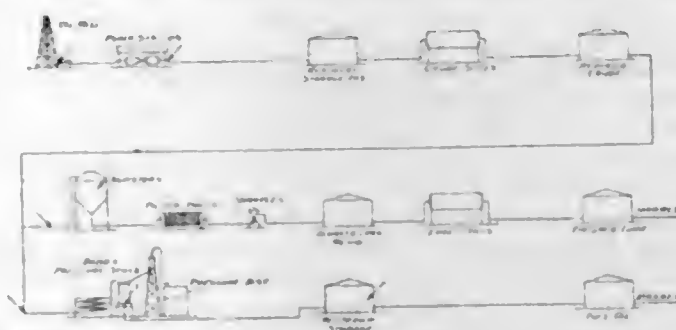
1. In combination, a bundle of wires of magnetic material and an envelope of insulating material molded around said bundle, said bundle of wires being under compression and the envelope being of sufficient rigidity to maintain said compression.

1,742,019. FEED TROUGH. SAMUEL G. WILLIAMS and ELMER L. RUSK, Windsor, Mo. Filed July 2, 1927. Serial No. 203,190. 3 Claims. (Cl. 119-61.)



1. In a feeding device of the class described, end supports having inwardly directed flanges, and an arcuate trough member having an elongated feed opening, intermediate portions of the edges of the trough member bordering said opening being returned to provide a check rail, end portions of the edges of the trough member constituting ears, said ears being engaged with selected flanges of the end supports for retention of the trough member thereby.

1,742,020. PROCESS FOR TREATING MINERAL OILS. ALBERT H. ACKERMAN, Chicago, Ill., assignor to Catalytic Chemical Company, a Corporation of Colorado. Filed Dec. 14, 1925. Serial No. 75,472. Renewed Apr. 15, 1929. 7 Claims. (Cl. 196-23.)

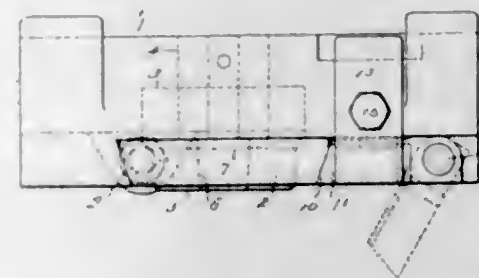


7. The process of treating petroleum products which comprises subjecting the same to the action of a composition resulting from the admixture of materials comprising anthracene, oil of mirbane, sodium hydroxide and a hydrocarbon of substantially the same specific gravity and fusing range as naphthalene.

1,742,021. PROCESS FOR TREATING LUBRICATING-OIL STOCK. ALBERT H. ACKERMAN, Chicago, Ill., assignor to Catalytic Chemical Company, Denver, Colo., a Corporation of Colorado. Original application filed Dec. 14, 1925. Serial No. 75,472. Divided and this application filed Feb. 16, 1927. Serial No. 168,823. Renewed Apr. 15, 1929. 9 Claims. (Cl. 196-23.)

1. A method of treating lubricating oil stock which comprises breaking up agglomerations of heavy hydrocarbons therein by addition of a composition resulting from the admixture of materials comprising naphthalene and anthracene, and treating the stock with sulfuric acid.

1,742,022. DIE-HOLDING MEANS FOR METAL HEAD-ING AND TRIMMING MACHINES. THEODORE H. BAUCK, Waterbury, Conn., assignor to The E. J. Manville Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Sept. 24, 1928. Serial No. 307,909. 6 Claims. (Cl. 78-60.)

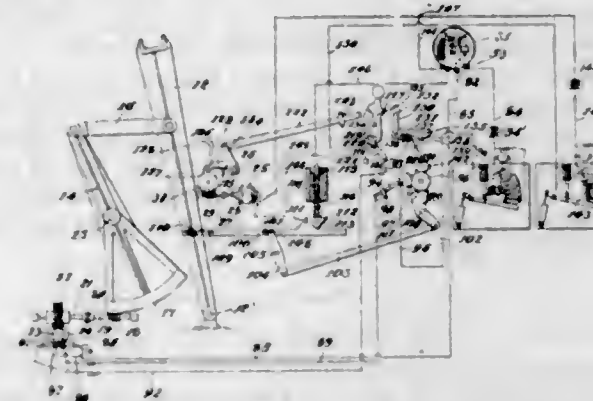


1. Die holding means comprising a die holding block having a mortice in its front face, a die holder having an opening for a die located in said mortice, a gib hinged to the die holding block and engaging and retaining said die holder in place, clamps engaging the die holding block and hinged gib for fastening said gib in position to secure the die holder to the die holding block.

1,742,023. RETORT-OPERATING APPARATUS. JOSIAH BRADLEY, Brooklyn, N. Y. Filed Aug. 22, 1924. Serial No. 733,450. 6 Claims. (Cl. 126-169.)

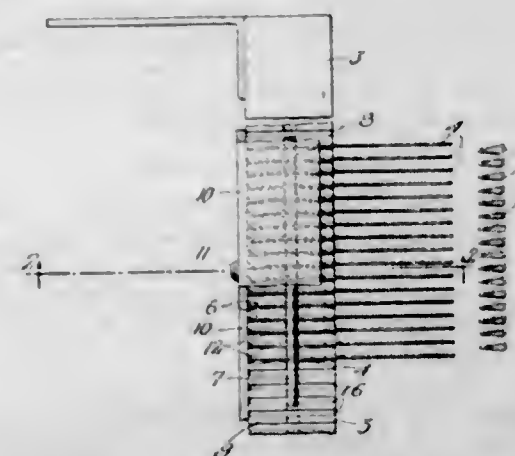
1. In an apparatus of the class described, a slicer bar, a motor for actuating the same, a discharge drum, a motor for operating the discharge drum, means actuated auto-

matically for opening and closing a circuit to the motor for actuating the slicer bar, and means for automatically



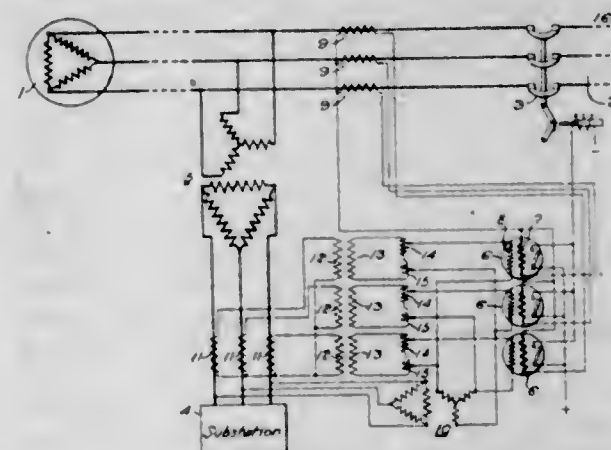
opening and closing a circuit to the motor for actuating the discharge drum to operate the discharge drum each time the slicer bar is actuated.

1,742,024. YARN-POSITIONING DEVICE FOR LOOMS FOR WEAVING TUFTED PILE FABRIC. EUGENE F. CLARK, Damariscotta, Me., assignor to Marshall Field Mills Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 5, 1929. Serial No. 337,027. 7 Claims. (Cl. 139-8.)



1. A yarn positioning device for looms for weaving tufted pile fabric, comprising a bar provided with a row of yarn positioning blades extending therefrom in spaced, substantially parallel relationship in the normal position of the blades, and spring means acting upon the blades, the blades being capable of independent lateral movement from the normal position thereof against the action of said means.

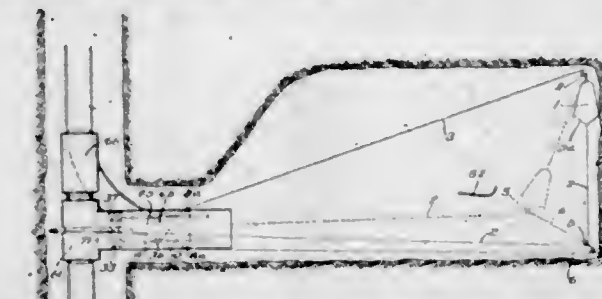
1,742,025. ELECTRICAL SYSTEM. LESLIE N. CRITCHON and SHIRLEY L. GOLDSBOROUGH, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 13, 1925. Serial No. 49,920. 14 Claims. (Cl. 175-294.)



1. An electrical system comprising a high-voltage transmission circuit, a low-voltage supply circuit, a transformer

connected between said circuits, an electro-responsive device connected to said low-voltage circuit to be energized therefrom, and compensating means also connected to the low-voltage circuit for modifying the energization of said device in accordance with a phase characteristic of said high-voltage circuit.

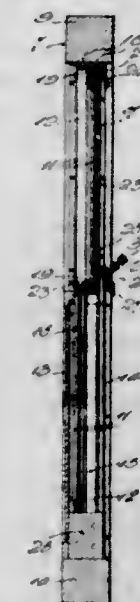
1,742,026. APPARATUS FOR HANDLING LOOSE MATERIAL. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 19, 1920. Serial No. 352,413. 9 Claims. (Cl. 214-105.)



2. A device for handling loose material comprising a truck, an arm slidably connected with said truck, a pulley connected with said arm, a movable holding device for holding said arm in an extended position, said holding device when moved to a predetermined position permitting the arm to be pushed inwardly.

4. A device for handling loose material comprising a scraper, a head line connected therewith, a tail line connected therewith, a control line connected in said system, a portable power device, an incline mounted thereon, guide means for moving said scraper to and along said incline to a discharge point beyond said power device, and means for controlling all of said lines from either side of said incline so that a single operator may operate the device from one side or the other, at will.

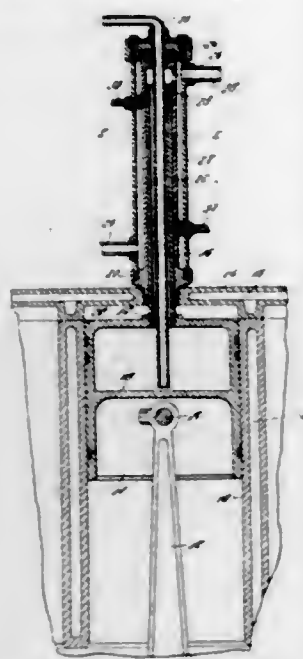
1,742,027. DUPLEX DOOR. JAMES RODGER DE HAVEN, Champaign, Ill. Filed May 5, 1928. Serial No. 275,497. 1 Claim. (Cl. 20-36.)



A door comprising a rectangular frame, spaced panels extending between the vertical side bars of said frame in the lower portion of the latter, providing a pocket between said panels, a closure slidable into and from said pocket, said closure extending across the upper portion of the frame when raised, a horizontally elongated strip at the outer side of one of said panels near the upper end of the latter, means pivoting said strip to the side bars of the frame for upward and inward swinging to an inclined position over said one panel and over the space between this panel and the closure when the latter is in raised position and for downward swinging to a position at the outer side of said panel, said strip being provided with a

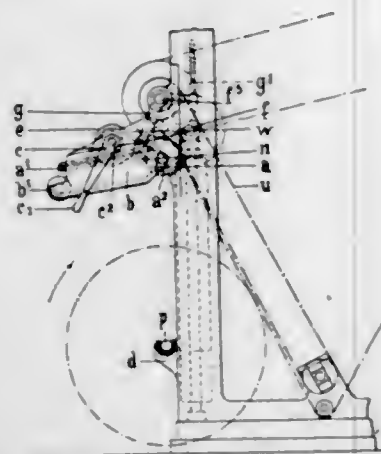
flexible edge portion to contact with the closure when the latter is raised and said strip is swung to said inclined position, brackets pivoted to the vertical side members of the frame, and clamping screws carried by said brackets for forcing said strip tightly against said closure, said brackets being inwardly and outwardly swingable about their pivots to dispose said screws in or out of operative relation with said strip.

- 1,742,028. COOLING MEANS FOR ENGINE PISTONS. NELSON ELLIOTT, New Westminster, British Columbia, Canada. Filed June 6, 1927. Serial No. 190,871. 4 Claims. (Cl. 123-176.)



1. Means for cooling the piston of an internal combustion engine, the piston being mounted within a cylinder closed by a cylinder head, comprising a tubular member secured to the piston and movable therewith, a tube stationary with respect to the cylinder head and extending axially of the tubular member, a barrel secured upon the exterior of the cylinder head and through which said tubular member operates slidably, said barrel having an outlet near its upper end, and a casing surrounding the barrel in spaced relation thereto and having an outlet, said stationary tube having a fluid inlet near its upper end and having a separate valve controlled inlet.

- 1,742,029. MEANS FOR RAISING, CHANGING, AND DRIVING THE PAPER-WEB ROLLS IN PRINTING MACHINES, AND MORE PARTICULARLY IN ROTARY PRINTING MACHINES. ALFRED FALLOT, deceased, Plauen i. Vogtl, Germany, by Harry Priester, executor, Berlin, Germany. Filed Nov. 9, 1925. Serial No. 68,006, and in Germany Nov. 22, 1924. 17 Claims. (Cl. 242-58.)



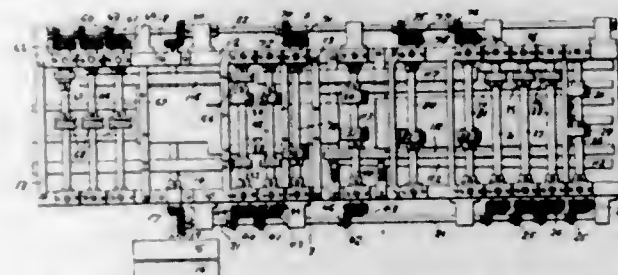
9. A device for lifting and changing paper rolls in rotary and other printing machines which print from the roll, comprising in combination, auxiliary bearers for taking

up the spindle of the roll to be printed, lifting bearers for taking up a fresh paper roll, means for moving the transport bearers into the proximity of the auxiliary bearers, the said spindle being brought into engagement with the auxiliary bearers, a frictional device for rotating the roll resting in the auxiliary bearers and the roll resting in the lifting bearers during its movement towards the auxiliary bearers, and an automatically operated apparatus for sliding the auxiliary bearers transversely to the line of movement of the lifting bearers in order to eject the unwound roll preliminary to the fresh roll being brought into contact with the auxiliary bearers.

- 1,742,030. ZINC SULPHIDE. CLAYTON W. FARBER, Bowmanstown, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a Corporation of New Jersey. Filed June 16, 1927. Serial No. 199,405. 15 Claims. (Cl. 23-135.)

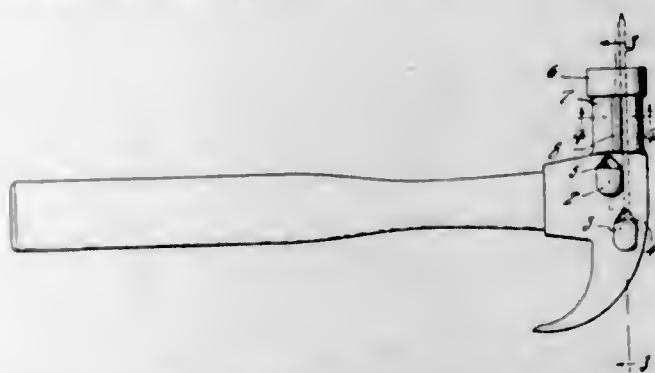
15. The process of making pigment zinc sulphide which comprises mixing solutions of zinc chloride and barium sulphide, diluting the resulting pulp containing the precipitated zinc sulphide with water promptly after the completion of the precipitating step, washing the zinc sulphide precipitate until the chlorine content of the liquor in which the precipitate is suspended does not exceed 0.2 grams per liter, establishing in the liquor in which the zinc sulphide precipitate is finally suspended after the washing operation a hydrate content equivalent to 3.0 to 4.0 cc. of 0.25 N hydrochloric acid per 250 cc. of filtrate determined by titration of the filtrate from a sample of the pulp, drying the thus treated precipitate to a moisture content of from 4 to 10%, and calcining the dried precipitate at a temperature of about 650-725° C.

- 1,742,031. LOCK-ROOFING FORMING MACHINE. JESSE FULENWIDER, HARRY FULENWIDER, EDWARD WILLIAM ROBINSON, and HARRY S. NORRIS, Savannah, Ga., assignors to said Jesse Fulenwider and said Harry Fulenwider. Filed June 28, 1926. Serial No. 119,145. 6 Claims. (Cl. 153-2.)



1. In a machine of the class described, a main frame, rolls mounted in the frame, means for driving the rolls, and a plurality of flat bars mounted in approximate alignment with the rolls, the bars being in overlapping relation transversely of the frame, and having adjacent parallel surfaces co-extensive with the length of the bars.

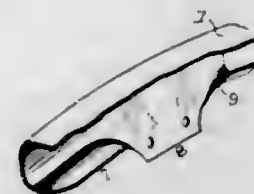
- 1,742,032. HAMMER. SIEGFRIED W. GREGENSEN, Crookston, Nebr. Filed Apr. 27, 1925. Serial No. 26,135. 2 Claims. (Cl. 145-30.)



1. A hammer head having lateral nail abutment lugs and an adjacent rib for lateral abutment with the shank

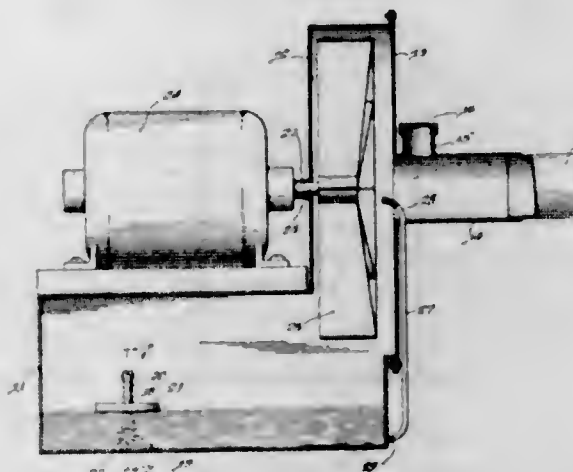
of the nail, the lugs being laterally spaced and spaced different distances from the hammer poll and the rib being arranged on a line intermediate between the axial lines of the lugs.

- 1,742,033. METALLIC STOOL. HOWARD T. HALLOWELL, Jenkintown, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a Corporation. Filed May 7, 1926. Serial No. 107,396. 2 Claims. (Cl. 155-194.)



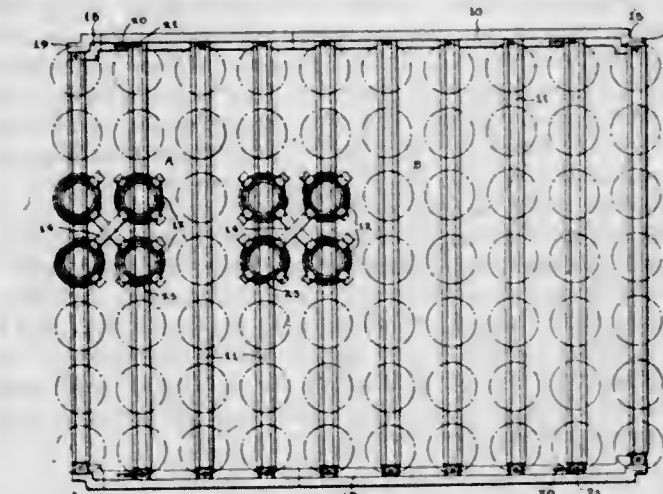
1. A seat for a metallic stool having an intumed flange, said flange being spaced by flat portions where the legs join the seat, the flange merging into the flat portions by strengthening fillets.

- 1,742,034. VENTILATOR. YAICHI HAYAKAWA, Chicago, Ill. Filed July 8, 1927. Serial No. 204,335. 1 Claim. (Cl. 183-10.)



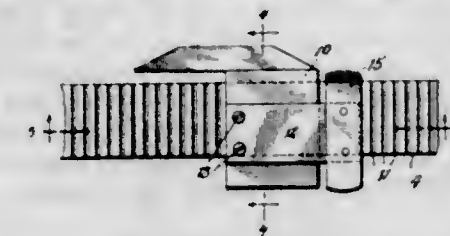
A device of the class described including a housing providing a water containing compartment and having an opening provided at one of the upper corners thereof and including an upwardly extending hollow member around said opening having an open side, a closure member for said open side having a nozzle thereon at substantially the mid-point thereof, a motor mounted on the upper side of said housing including a shaft extending interiorly of said hollow member, a fan mounted on the portion of said shaft disposed interiorly of said hollow member, said container having another opening therein, a textile bag, means for removably mounting said textile bag over said last named opening whereby air discharged from said water containing compartment through said opening will have passage thereof resisted by said bag whereby a pressure will be built up in said bag and in said water containing compartment, said air being drawn through said nozzle and forced into said water containing compartment by said fan, and a conduit disposed exteriorly of said housing extended from said water containing compartment to said nozzle and having an end portion directed toward said fan whereby said fan may draw water through said conduit from said water containing compartment for inter-mixture with air drawn through said nozzle.

- 1,742,035. BEDSPRING. JAMES P. HISE, Staunton, Va., assignor to Hise Bed Spring Company, a Corporation of Virginia. Filed Feb. 28, 1929. Serial No. 343,334. 4 Claims. (Cl. 5-251.)



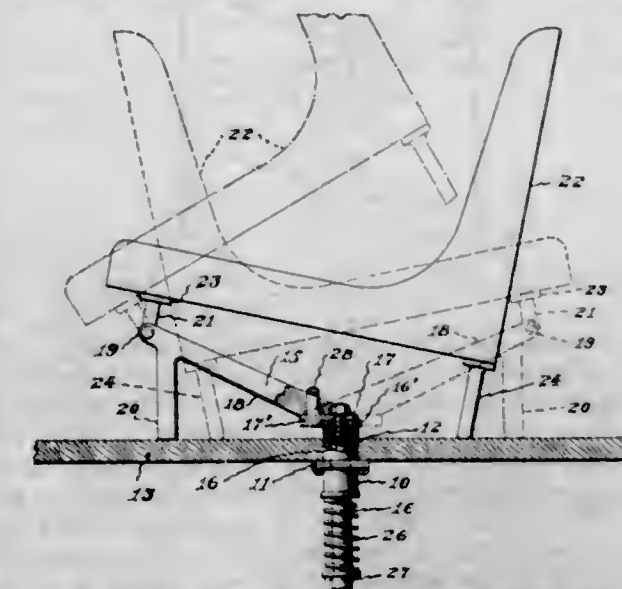
1. A bed spring comprising a longitudinally and laterally adjustable frame, spring elements mounted on said frame, and links connecting the upper terminal convolutions of said spring elements, said upper terminal convolutions having means to vary their diameters, to accord with the spacing of the spring elements on the frame.

- 1,742,036. KNITTING MACHINE. ASHER KIPNIS, Brooklyn, N. Y., assignor to Republic Knitting Mills, Brooklyn, N. Y., a Copartnership composed of Asher Kipnis, Joseph Kipnis, and David L. Reichell. Filed Nov. 26, 1928. Serial No. 321,985. 2 Claims. (Cl. 66-128.)



1. In a knitting machine, the combination with a carrier bar having transversely extending notches or grooves therein, of a stop block movable on the bar, a spring tongue on the stop block, and a lip on the tongue adapted to engage in the grooves of the bar, said grooves of the bar being spaced a distance exactly the same as the distance between the needle grooves of the machine.

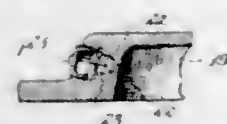
- 1,742,037. ADJUSTABLE MOTOR-VEHICLE SEAT. HARRY D. KLEINSCHMIDT, Westmont, N. J. Filed Oct. 23, 1926. Serial No. 143,665. 1 Claim. (Cl. 155-5.)



The combination with a vehicle body including the floor thereof, a tubular bearing support vertically disposed

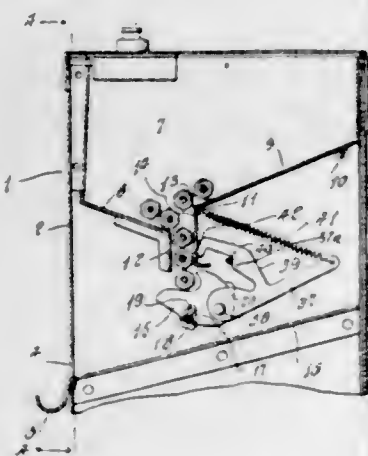
through said floor, flange means formed on said bearing support for the attachment thereof to said floor, a seat and supporting structure therefor having a depending shaft journaled in said bearing support and comprising a cross head member formed integrally with said shaft in T formation and having angular upwardly extending parallel side arms formed with and at the ends of said cross head member, supporting legs formed with and depending from said side arms adjacent the free ends thereof, a pair of spaced bunge brackets secured to the front underside surface of said seat with the depending ends thereof pivoted to the free ends of said arms, supporting means secured to and depending from the rear underside surface of said seat for normally maintaining said seat in an inclined position, means associated with said cross head and bearing support for normally locking said shaft and seat structure against rotation, and spring means carried by the depending free end of said shaft for returning said lock-means into engagement upon the rotations of said seat supporting structure.

1,742,038. MEANS FOR PRESERVING PERISHABLE GOODS IN STORAGE AND TRANSIT. ELAINE VON DER LAPPE-LIPSKI, Washington, D. C. Substitute for application Serial No. 86,597, filed Feb. 6, 1926. This application filed July 14, 1928. Serial No. 292,736. 5 Claims. (Cl. 99-2.)



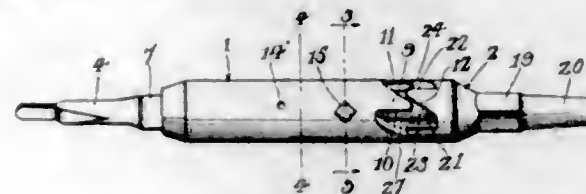
5. A container for preserving perishable goods by the vacuum process comprising a double wall body portion with a space between the walls, lugs on the inner wall of the container, and perforated horizontal partitions supported on the lugs; together with a removable cover for the body portion with an interposed packing, a valved opening extending through the cover and threaded at its outer end, and a protecting cap engaging the threads.

1,742,039. PENCIL-VENDING MACHINE. SAMUEL D. LOWRY, Houston, Tex., assignor to Automatic Pencil Vending Machine Corporation, Houston, Tex., a Corporation of Delaware. Filed Apr. 28, 1927. Serial No. 187,238. 2 Claims. (Cl. 312-84.)



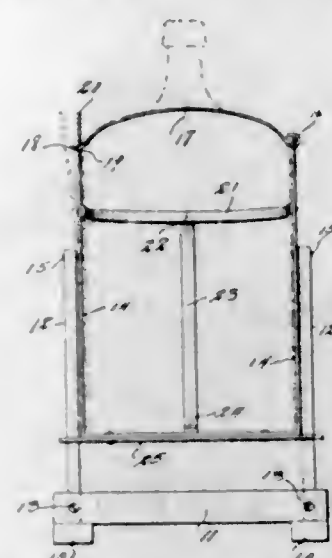
1. A vending machine provided with a discharge passage and a slot registering with the passage and closed by the articles in the passage, a delivery shaft, a stop, a detent connected to the shaft and adapted to enter the slot and having a portion to engage the stop on the delivery of the last article from the machine, the articles in the passage holding the detent out of engagement with the stop, and means for moving the detent into engagement with the stop on the delivery of the last article from the machine, the detent being adapted when in engagement with the shaft to hold it against operation.

1,742,040. RIVET-REMOVING TOOL. GEORGE B. LYNCH, GLEN L. CARROLL, and ARBIE GUMM, Tucson, Ariz. Filed Mar. 21, 1929. Serial No. 348,940. 5 Claims. (Cl. 145-150.)



1. A rivet removing tool comprising an extractor element for connection with a stud or rivet to remove the latter, a reciprocally driven element extending into and slidably and rotatably connected to said extractor element and having a portion projecting from the latter, a spring within the extractor element for normally pressing the driven element outwardly with respect to said other element, said elements having normally spaced, opposed, coacting means of such size and proportion as to sustain a violent impact to provide for the intermittent shifting of the extracting element in an anti-clock-wise direction when the driven element moves towards the extractor element on the successive application of force to the driven element to cause the interengagement of said coacting means against the action of said spring.

1,742,041. BOTTLE HOLDER AND TILTER. JOHN A. MANGOLD, St. Petersburg, Fla. Filed Apr. 5, 1928. Serial No. 267,663. 2 Claims. (Cl. 248-58.)



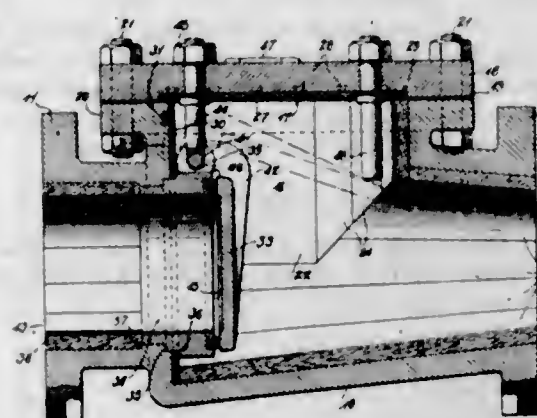
1. A tiltable bottle holder of the character described comprising a base having standards, a U-shaped frame member adapted to embrace a bottle and pivoted to said standards below the upper end of the U-shaped frame member, frame bars attached to said U-shaped frame member and adapted to engage around the front of the bottle and extend downward and beneath the bottle, and a yoke flexibly connected to one of the legs of the U-shaped frame member adjacent its upper end and adapted to extend over the shoulder of the bottle and having means at its other end for detachably engaging the other leg of the U-shaped frame member, the last named leg of the U-shaped frame member being resilient, the resilient leg and yoke having one an eye and the other a hook engageable with said eye, the leg of the frame extending above the eye to constitute a handle.

2. In a bottle support of the character described, standards, a bottle-supporting frame disposed between said standards, and means for pivotally connecting the bottle-supporting frame to the standards comprising angular members disposed within the hollow upper ends of the standards and having trunnions formed at their upper ends, the trunnions projecting laterally, the upper ends of the standards being formed with recesses to receive said trunnions and the trunnions at their ends being operatively engaged with the supporting frame.

1,742,042. SENSITIZED ELEMENT, SILVER HALID EMULSION THEREFOR, AND PROCESS OF MANUFACTURING THE SAME. OTTO MATTHIES, WALTER DIETERLE, and BRUNO WENDT, Dessau in Anhalt, Germany, assignors, by mesne assignments, to Agfa Anseco Corporation, Binghamton, N. Y., a Corporation of New York. Filed Jan. 5, 1928, Serial No. 244,768, and in Germany Jan. 7, 1927. 12 Claims. (Cl. 95-7.)

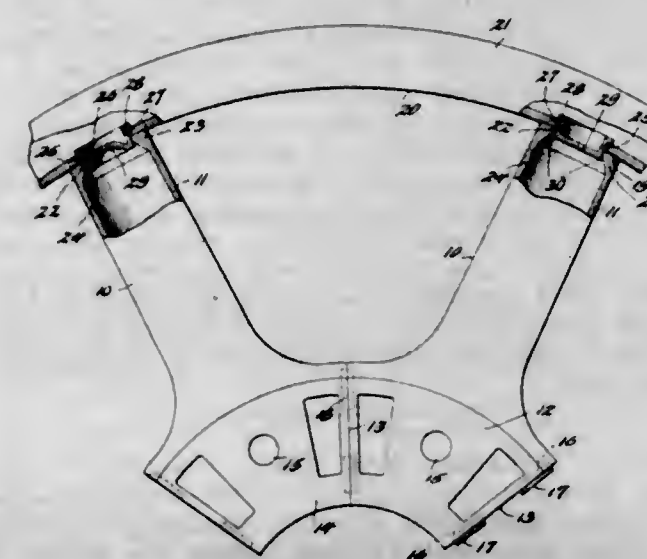
1. The process which comprises incorporating in a photographic silver salt emulsion at any step of its manufacture a small quantity of an organic compound containing at least one singly linked sulfur atom and being capable of reacting upon the silver salts contained in the emulsion with the gradual formation of silver sulfide.

1,742,043. VALVE. EDGAR IRICK MCGEE, Scottsdale, Pa., assignor to Boyts, Porter & Co., Connellsville, Pa., a Corporation of Pennsylvania. Filed June 24, 1926. Serial No. 118,240. 2 Claims. (Cl. 251-123.)



1. A check valve comprising, in combination, a casing having axially aligned inlet and outlet ports and an enlargement midway of its length, a collar carrying a valve seat having a shoulder seating against a complementary shoulder upon the interior of the inlet portion of the casing, a lining of non-corroding metal for the base of said enlargement about said collar, a laterally opening recess, a valve coacting with said seat and swinging into said recess, a cover for said opening, a lining of non-corroding metal carried by said cover and a lining of wood within said casing and recess.

1,742,044. VEHICLE WHEEL. ALEXANDER MELDRUM, Syracuse, N. Y., assignor, by mesne assignments, to Hurlburt W. Smith and Wilbert L. Smith, Syracuse, N. Y. Filed Feb. 1, 1927. Serial No. 165,219. 3 Claims. (Cl. 301-67.)



1. The combination with a vehicle wheel including a metal felloe, a plurality of hollow metal spokes, each spoke

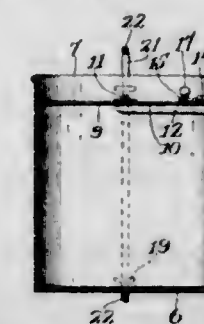
having its outer end tightly abutting the inner periphery of said felloe and having a hole in the outer end thereof, said hole increasing in diameter toward the inner end of the spoke, the felloe having a hole substantially concentric with each spoke end hole of a hollow member passing through each felloe hole and into the corresponding spoke end hole, said member having a flange engaging the outer surface of the felloe and having its inner end expanded into engagement with the wall of the larger portion of the spoke end hole.

1,742,045. BUILDING BRACE. RAYMOND MENES, Brooklyn, N. Y. Filed Nov. 8, 1927. Serial No. 231,949. 1 Claim. (Cl. 20-9.)



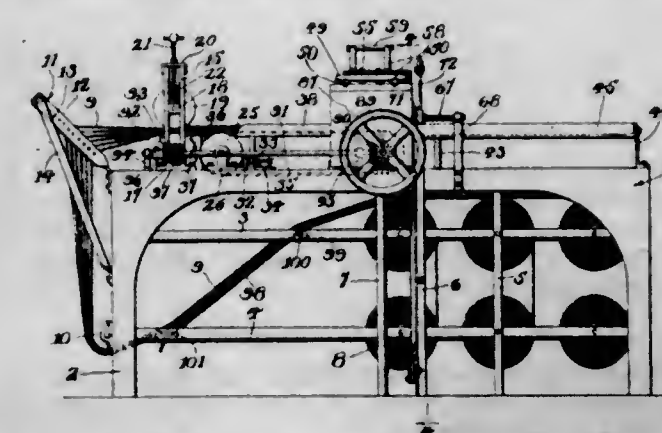
A brace for wooden building studs to which wooden laths are to be secured comprising a brace bar having portions at one end for individually engaging different faces of the wooden studs against which the said end of the bar is disposed and constituting means through which fastening elements may be driven to secure the ends of the bar to the studs, between wooden laths, and said bar being inwardly offset with respect to some of said stud engaging portions whereby a mortar anchor is provided by the brace with respect to adjacent wooden laths.

1,742,046. MINNOW PAIL. WILLIAM A. MOORE, Sauk Center, Minn. Filed May 14, 1928. Serial No. 277,674. 4 Claims. (Cl. 43-56.)



1. A minnow pail comprising a body portion having an open end, a partition spaced from said end and being formed of a perforated section and an imperforate section, said sections being pivotally connected, one of said sections being fixedly secured to the inner surface of the pail, the other of said sections being detachably secured thereto, and a continuous ball for handling the pail in either an upright or inverted position.

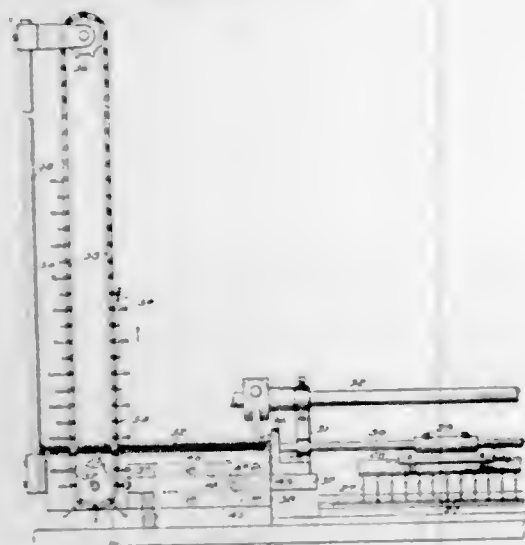
1,742,047. CLOTH-CUTTING MACHINE. WALTER L. MOSS, Waco, Tex. Filed Sept. 24, 1928. Serial No. 307,925. 10 Claims. (Cl. 164-61.)



1. In a cloth cutting machine, a support for a plurality of rolls of cloth, mechanism for simultaneously

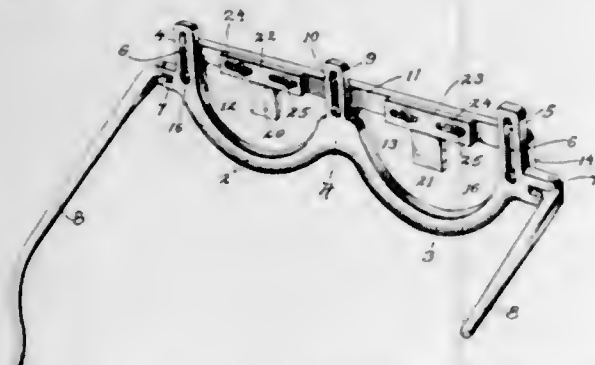
feeding the webs off said rolls, a carrier element adjacent said feeding mechanism for receiving said webs therefrom, a cutter mechanism adjacent said carrier element, operating to simultaneously cut said webs into strips, and an adjustable gauging mechanism for positioning the free ends of said webs relative to said cutter mechanism to govern the width of said strips.

1,742,048. KNITTING MACHINE. ALBIN C. NEBEL, Amsterdam, N. Y. Filed Oct. 15, 1927. Serial No. 226,331. 16 Claims. (Cl. 66—129.)



9. In a knitting machine, the combination of a bank of needles, sinkers and dividers cooperating with said needles, a thread carrier for laying a thread on the sinkers, a plurality of supplemental thread carriers, a support therefor, and means for reciprocating said support, said means comprising a slide connected to the support, a drive shaft, a cam member movable by said shaft and engaging said slide to move the same in one direction, and a spring for retracting said slide and means for determining the extent of the retractive movement of the slide.

1,742,049. DIMMER GLASS. JARROT L. ROLLINS, Colfax, Calif. Filed Dec. 28, 1925. Serial No. 78,023. 6 Claims. (Cl. 88—41.)



4. Dimmer glasses of the character described, comprising a pair of rims, means for disposing and supporting the rims in front of the eyes of a wearer, a dimmer member secured to the upper portion of each rim and disposed substantially centrally thereof, said dimmer members being disposed substantially in the same plane as the rim, and means permitting independent vertical and lateral adjustment of each dimmer member with relation to the supporting rim.

1,742,050. BATHROOM FIXTURE. HOWARD W. SWARTZ, Galesburg, Ill. Filed Nov. 17, 1928. Serial No. 320,191. 5 Claims. (Cl. 299—88.)

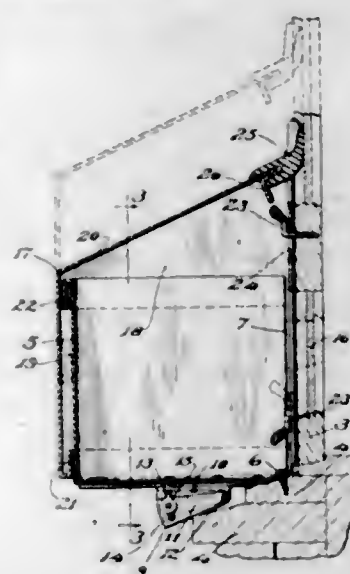
1. In combination with a hollow wall, of an apparatus for use in connection with a bottle containing a mouth

wash and having a spraying attachment, said apparatus comprising a wall fixture inset in the wall to form a recess therein, means for supporting the bottle in the recess, an opening through said fixture, and a pipe coupling on the rear wall of the fixture above said opening, together with an air compressor in the wall below the



wall fixture to leave an intermediate space, a pipe connecting the air compressor to the pipe coupling, and a flexible tube extending from the spraying attachment of the bottle through the aforesaid opening and connected to said pipe coupling, the tube being housed in the space between the wall fixture and air compressor.

1,742,051. WINDOW BOX. JAMES C. YOUNG, New York, N. Y. Filed Mar. 8, 1928. Serial No. 260,042. 7 Claims. (Cl. 312—101.)



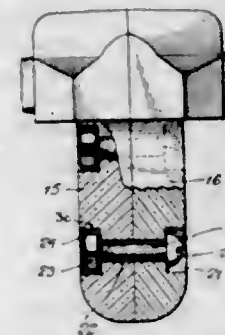
1. A window box, comprising a box structure open at the top and one side, means for securing the box structure to a window sill so that the open side will face the window sash, and a covering structure secured to said window sash and telescopically fitting over said box structure.

7. In a window box, a box structure, means for securing the same to a window sill, and an adjustable support connected to the bottom of the box structure, said adjustable support comprising a segmental-shaped plate secured to the bottom of the box and depending therefrom, said plate being formed with an arc-shaped slot and a coacting adjustable plate pivoted to the first-mentioned plate near one end thereof, and a clamping screw extending through said adjustable plate and through said slot for locking the adjustable plate in different positions in respect to the segmental-shaped plate.

1,742,052. RETAINER FOR NUTS. CARL ERIC ANDERSON, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 11, 1925. Serial No. 14,831. 3 Claims. (Cl. 85—32.)

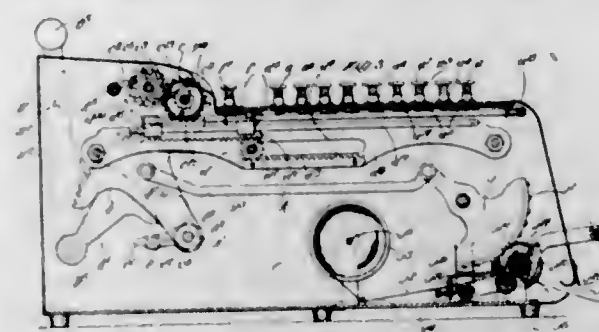
2. For use with a nut, a retainer comprising a base adapted to lie against the face of the nut and apertured

to register with the opening in said nut, said retainer having means for securing it to the nut and resilient



fingers of a length approximately equal to the thickness of the nut and adapted to engage the wall of a recessed seat to hold the nut against escape therefrom.

1,742,053. CALCULATING MACHINE, CASH REGISTER, AND THE LIKE. WILLIAM BALL, Wallington, England. Filed Aug. 24, 1925. Serial No. 52,104, and in Great Britain Sept. 5, 1924. 2 Claims. (Cl. 235—60.)



1. In a calculating machine, a registering device, a pivoted segment associated with said registering device and adapted when rocked to actuate said registering device, a fixed rack and a movable rack having their teeth in opposed relation, a pinion engaging with and rotatable between said racks and operative, when moved relatively to said fixed rack, to cause said movable rack to move twice the distance of the travel of said pinion, a row of keys associated with said movable rack, said keys being depressible to respectively limit the distance through which the movable rack may travel in one direction, means connecting said pinion and said segment to limit the rocking movement of said segment through an arc proportionate to the distance traversed by said movable rack, and means for rocking said segment.

1,742,054. SHARPENING DEVICE FOR HAIR CLIPPERS. HORACE M. BENNETT and SIDNEY J. BOMAN, Margaret, Tex. Filed Mar. 10, 1928. Serial No. 260,783. 4 Claims. (Cl. 51—246.)

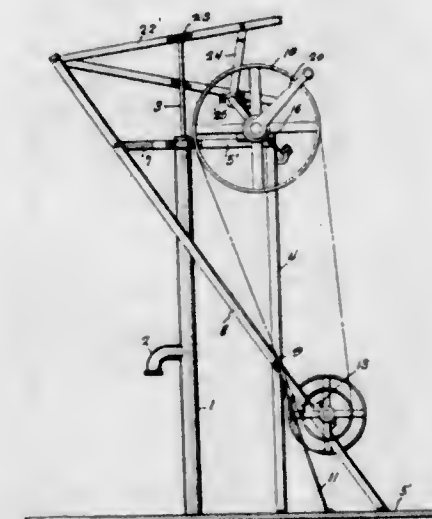


3. A plate adapted to be substituted for a blade of a hair clipper for sharpening the other blade, said plate being provided with an elongated recess therein, an abrasive member located in said recess, and means for securing the abrasive member in the recess in a manner to permit its quick insertion or removal, substantially as set forth.

1,742,055. DOUBLE-HEADER PUMP JACK. GEORGE B. BURCH, Blake, Nebr. Filed Feb. 23, 1928. Serial No. 257,595. 1 Claim. (Cl. 74—14.)

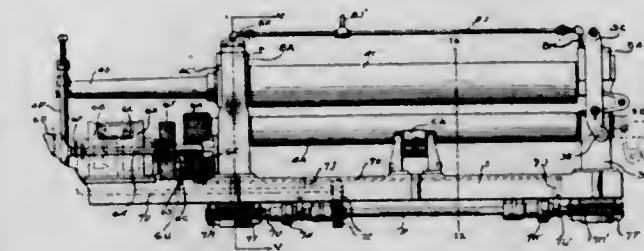
A pump jack of the character described, comprising a frame consisting of spaced parallel upright members de-

signed to be positioned adjacent a pump body, bar members connecting said upright members with said adjacent pump body, inclined brace bars extending at an angle upwardly and across said upright bars, a crank shaft mounted upon said cross connecting bars, a pump rod actuating handle



having pivotal connection at one end with the upper end of said inclined brace bars and adapted for connection intermediate its ends with a pump rod, means for connecting the other end of said pump rod actuating handle with said crank shaft, and means for transmitting rotary motion to the crank shaft.

1,742,056. BENDING MACHINE. G. HARRY CASE, Buffalo, N. Y. Filed Dec. 15, 1927. Serial No. 240,145. 27 Claims. (Cl. 153—61.)

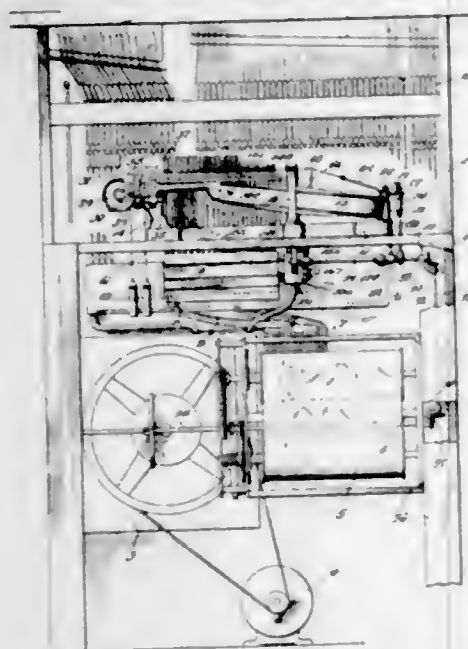


1. In a plate bending machine of the pyramid type comprising three cooperating journaled rolls mounted between spaced housings, a power drive operatively connected to the complementary lower rolls, pivotally mounted bearing block means for each journal of the top roll, said blocks having their pivots disposed transversely to the longitudinal axis of said top roll to provide for tilting with respect to said driven bottom rolls, and means associated with said housings serving to yieldably retain the respective blocks and allow said top roll under abnormal journal load to lift away from the complementary bottom rolls.

1,742,057. SELF-PLAYING VIOLIN. CHARLES P. CORWIN, Brownwood, Tex. Filed Mar. 16, 1927. Serial No. 175,782. 25 Claims. (Cl. 84—10.)

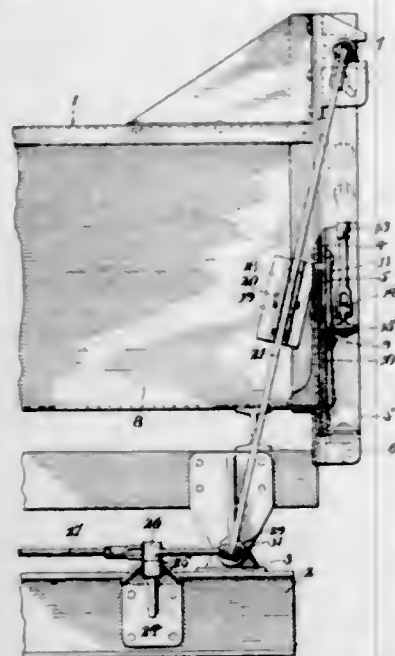
3. In a self-playing violin, the combination of a violin body, a neck extending from the body, strings supported above the body and the neck, a bowing element movable across the strings, valves on the neck, an operating device for each valve, said devices being respectively arranged adjacent the violin strings, fingers controlled by a music sheet for bearing upon the violin strings, selective means whereby the fingers when bearing upon a violin string will engage a valve-actuating device to open the corresponding

valve, a plurality of rocker arms arranged to bear upon the bowing element, and connections between the valves



and the rocker arms whereby the said arms will be selectively actuated to effect engagement of the bow with the same string which is engaged by a finger.

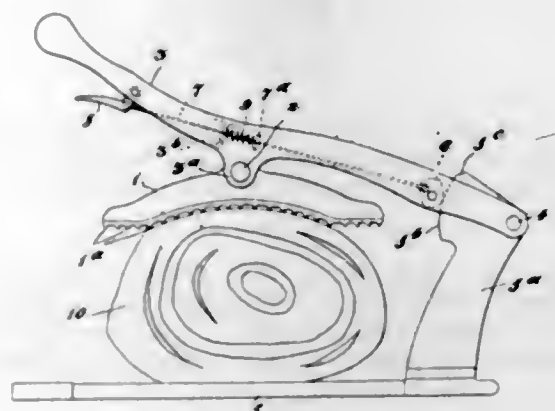
1,742,058. DISCHARGE-CONTROLLING DEVICE FOR DUMP BODIES. FRED D. CORROCK, Greenville, Ohio. Filed Nov. 19, 1928. Serial No. 320,463. 17 Claims. (Cl. 298-23.)



1. In a pivoted dump body, a lever pivotally connected intermediate its ends to a side of the body, mechanism pivotally connected to one end of said lever for controlling the discharge of material from the body, means pivotally connected with the opposite end of said lever whereby the latter may be operated from the driver's seat of the body, said opposite end of the lever being disposed in horizontal alignment with the pivot for the body, said means including a rod pivotally connected to said opposite end of the lever and extending longitudinally in alignment with said opposite end and pivot for the body, and a bell crank swivelly connected with said rod.

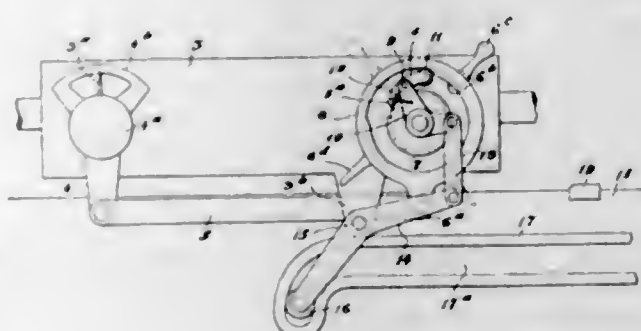
1,742,059. MEAT-CLAMPING MEANS FOR SLICING MACHINES. EDWIN COULSON, Chiswick, London, England. Filed May 7, 1928, Serial No. 275,924, and in Great Britain June 1, 1927. 1 Claim. (Cl. 146-217.) A meat clamping device for use with slicing machines comprising a slicing table, a fixed support carried by said

slicing table and having a cam face, a lever pivotally connected at one end to said fixed support, a clamping bar pivotally connected at its centre to said lever, a cam rotatably mounted on said lever and adapted to cooperate with said cam face, a rod pivotally connected at one end to said cam, a handle pivotally mounted on the lever and connected to the other end of said rod, a flange on said rod, an abutment on the lever, a spring disposed about said rod and adapted to abut at one end the flange on the rod and



at the other end the abutment on the lever, said spring normally pressing on the rod and serving to maintain the cam in its acting position relatively to the cam face, said support having a cut-away portion at the upper end of the cam surface, said cut-away portion serving as a locating means for the cam when the lever is in the uppermost position whereby said lever is maintained in the uppermost position without necessitating any locking engagement between the cam and the cam face.

1,742,060. FEED MECHANISM FOR USE WITH SLICING MACHINES. EDWIN COULSON, Chiswick, London, England. Filed May 7, 1928, Serial No. 275,927, and in Great Britain June 1, 1927. 2 Claims. (Cl. 146-102.)



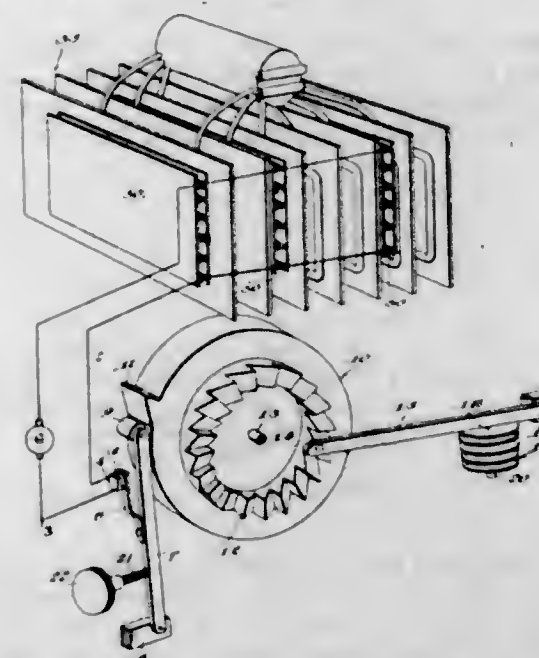
1. A feed mechanism for slicing machines of the rotary disc knife and reciprocatory carriage type comprising a feed screw, a ratchet wheel fixed on said feed screw, a detent adapted to engage with said ratchet wheel, means for imparting a feeding movement to the said detent upon the reciprocation of the carriage, a rotatable annular member, a cam surface formed on the inner periphery of the said member and adapted to maintain the detent out of engagement with the ratchet wheel during a portion of the feeding movement thereof, a thickness setting device carried by the carriage, means for connecting the thickness setting device to the annular cam member whereby the setting of the cam surface relatively to the detent is determined by the position of the thickness setting device, means for maintaining the detent temporarily out of engagement with the ratchet wheel and means for automatically bringing the detent into operation upon the commencement of the reciprocation of the carriage.

1,742,061. SANITARY PROTECTOR FOR HAND PIECES AND THE LIKE. WARD E. CURRY, Bradenton, Fla., assignor to The Curry Handpiece Protector Company, Sarasota, Fla., a Common Law Association. Continuation of application Serial No. 631,188, filed Apr. 10, 1923. This application filed July 22, 1926, Serial No. 124,270. Renewed May 10, 1929. 2 Claims. (Cl. 52-10.)



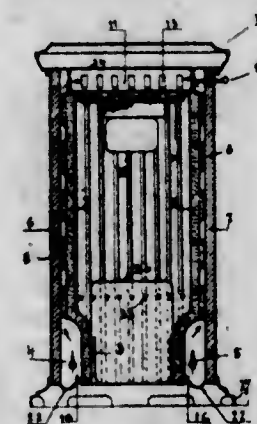
1. A protector for dental handpieces, comprising a bag of creped paper impregnated with a moisture resistant, said bag having one end open to receive a hand piece and its other end closed, the closed end presenting, at the point designed to be perforated by the inserted tool, a plurality of thicknesses of said impregnated creped paper.

1,742,062. ELECTRIC DEFROSTER FOR REFRIGERATING COILS. WILLIAM B. DAY, Lexington, Ky., assignor of one-half to Kathryn W. Renick, Winchester, Ky. Filed Dec. 15, 1927. Serial No. 240,256. 7 Claims. (Cl. 62-116.)



1. The combination with a refrigerating coil; of an electric heating coil arranged in close proximity thereto, and automatically operated means for energizing said heating coil at intervals whereby the refrigerating coil is freed from snow and ice.

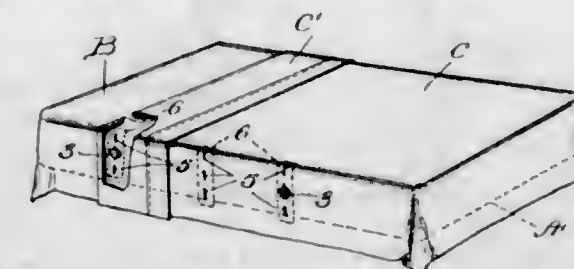
1,742,063. HOT-WATER HEATER AND BOILER. CHARLES DIGEON, St. Mande, France. Filed Dec. 29, 1927, Serial No. 243,427, and in France May 4, 1927. 4 Claims. (Cl. 122-155.)



1. A water boiler comprising a plurality of sections assembled together to constitute a combustion chamber for

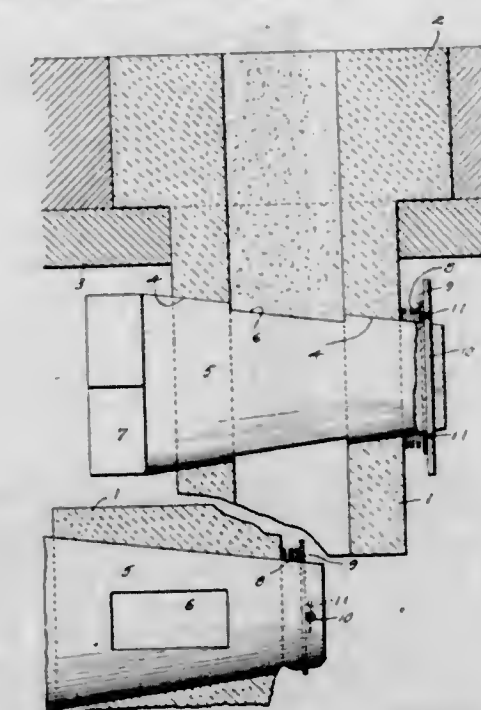
the boiler, a grate mounted in said chamber and supporting a solid fuel therein, vertical parallel hollow ribs adapted to be filled with water formed on the inner surfaces of said sections and exposed to the combustion of the solid fuel, vertically spaced hollow projections adapted to be filled with water arranged on the outer surfaces of said sections and communicating with the ribs of the latter, and fluid fuel burners mounted to act upon said projections.

1,742,064. MEANS FOR ATTACHING SHEETS TO MATTRESSES. NEELY B. DINSTUHL, Memphis, Tenn. Filed Oct. 15, 1928. Serial No. 312,626. 3 Claims. (Cl. 5-320.)



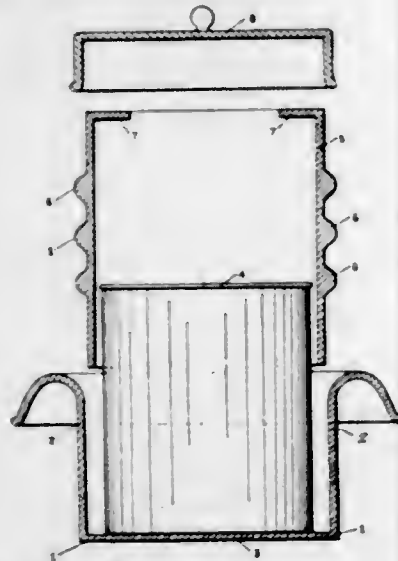
1. In a means for securing bed clothing to a mattress, comprising in combination a plurality of bands adapted to be placed transversely around the mattress, one end of each band having a number of buttonholes therein, a button on the other end of the band, a button at the center of the band, the buttons being so placed that when the band is on the mattress, the buttons will lie at the side edges of the mattress and sheets having buttonholes adjacent their side edges in registry with and receiving the buttons on the bands.

1,742,065. LADLE DISCHARGER. GEORGE H. J. EISER, Pittsburgh, Pa. Filed May 26, 1928. Serial No. 280,801. 1 Claim. (Cl. 221-84.)



A ladle discharger comprising a nozzle insertable through the bottom of a ladle from above, the upper portion of the nozzle having a collar for coaction with the ladle to maintain the nozzle in applied position and constituting the only supporting means therefor, a rotary member disposed through the nozzle, said member having an opening therethrough for registry with the bore of the nozzle when the rotary member is in one position, said member upon requisite turning movement completely closing the flow through the nozzle, said member being tapered, opposed walls of the nozzle having tapered openings through which the member is disposed and providing seats therefor, and means coacting with the member and the nozzle for constantly urging the member into engagement with its seats.

1,742,066. FOOD CONTAINER. ALFRED CHARLES GARDNER, Cardiff, Wales. Filed July 21, 1927. Serial No. 207,467. 2 Claims. (Cl. 65-61.)



1. In a table receptacle for food in a can, a base bowl having an upstanding side wall outwardly flared peripherally at the top, a cylindrical can-enveloping member loosely telescoping into said base bowl and having a circumferential corrugation fitting the flare of said base bowl by which said can-enveloping member is secured to said base bowl, said can-enveloping member having an inwardly extending flange around its upper edge, defining a central opening, and a lid having a peripheral flange loosely fitting over the top of said can-enveloping member.

1,742,067. MANIFOLDING SALES BOOK. GUSTAV RUDOLF GOMPF, Berlin, Germany. Filed Aug. 21, 1929. Serial No. 387,467, and in Germany Jan. 28, 1927. 3 Claims. (Cl. 282-22.)

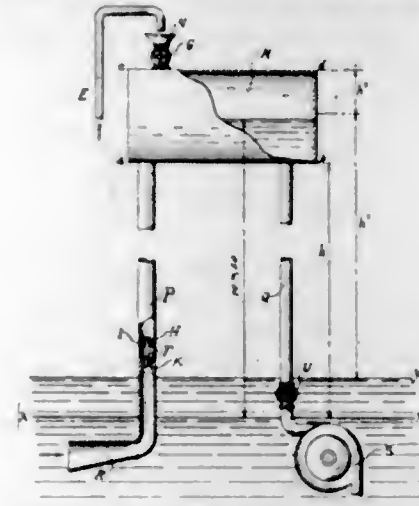


1. A manifolding device comprising a pad consisting of a pair of continuous sheets folded reversely back and forth to form a series of sets of leaves in quadruplicate, the sheet which forms the inner leaves of each set being transparent and the other sheet being opaque, means associated with that end of the pad adjacent the free ends of the uppermost set of leaves for yieldably retaining the leaves in assembled relation whereby the uppermost set of leaves and the succeeding set may be withdrawn from said means, the uppermost set detached, and the free ends of the succeeding set of leaves folded back upon the pad to place the latter in condition for further use, and means for engaging and retaining a pair of carbon sheets for insertion between leaves in the uppermost set.

1,742,068. MARITIME RAM WITH BAROMETRIC CHAMBER. PAUL GRASSET, Versailles, France. Filed May 13, 1926. Serial No. 108,328, and in France May 16, 1925. 2 Claims. (Cl. 61-20.)

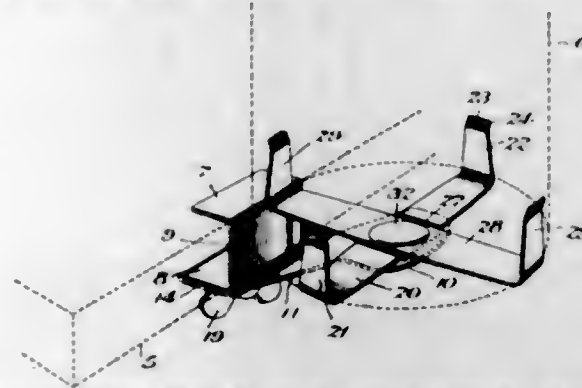
1. A wave power generator comprising in combination a closed reservoir positioned above the waves, means for producing a vacuum in said reservoir to permit the posi-

tioning of the latter at a distance above the waves greater than it could possibly be done if left to the atmospheric pressure and impulsion of the waves alone, a pipe having a horizontal funnel in the path of the waves for passing



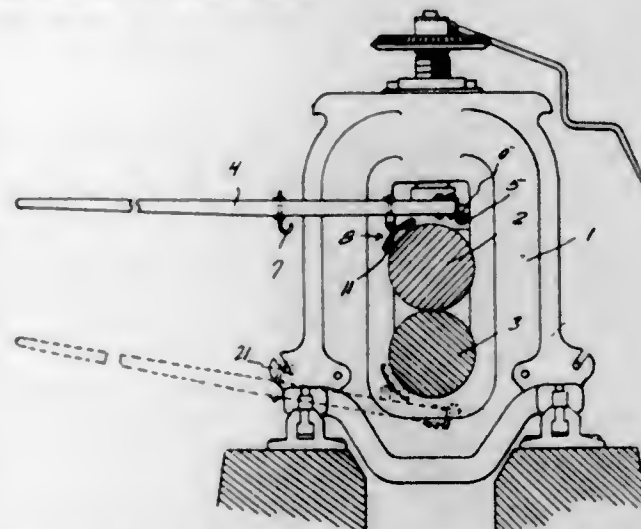
water from the waves into said reservoir, a check valve therein, a turbine, a second pipe for discharging water from the reservoir to the turbine, and a control valve therein.

1,742,069. SAMPLE HOLDER. ROY C. GREENWALD and GEORGE E. THIMMES, Mechanicsville, Iowa; said Greenwald assignor to said Thimmes. Filed May 2, 1920. Serial No. 359,844. 2 Claims. (Cl. 248-20.)



1. An improved sample holder comprising a clamp having upper and lower jaws with a yoke piece therebetween, a base piece folded over beneath the lower clamp jaw, said lower jaw and base piece having aligning threaded openings therein, an adjusting screw threaded through both the openings, an arm formed with said base piece and having reversely bent portions adjacent the base piece, and a revolvable holder carried by said arm.

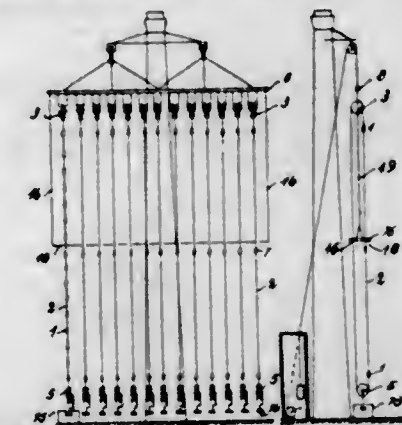
1,742,070. ROLL POLISHER. THOMAS S. GROVES, Leechburg, Pa. Filed June 6, 1928. Serial No. 283,388. 1 Claim. (Cl. 51-251.)



A roll polisher comprising a lever adapted to be fulcrumed upon a roll housing, a curved plate, a head swiv-

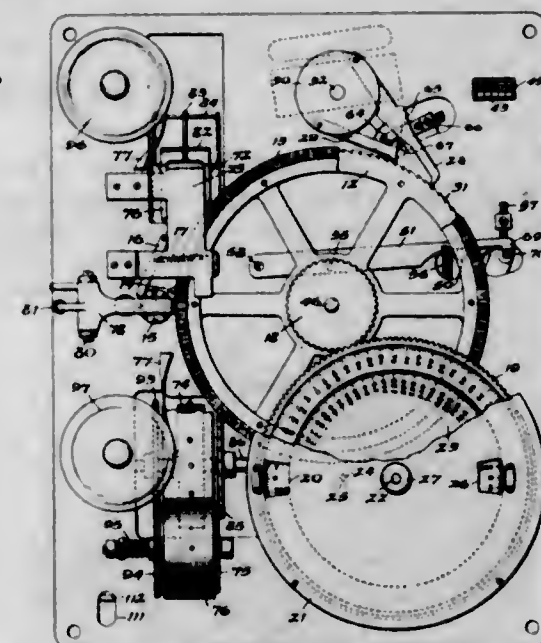
elly connected to the central portion of the plate, a yoke carried by said lever, said head being rockably mounted in said yoke, a pair of polishing stones provided with concave and convex faces, the ends of the curved plate being disposed laterally for engagement with the outer sides of the polishing stones, members slidable on the concave face of the plate to rigidly secure the polishing stones with their convex faces against the concave face of the plate, the concave faces of the polishing stones adapted to bear against the surface of a roll when the lever is swung in one direction.

1,742,071. LIGHT ADVERTISING PLANT. MAX HAASE, Buchschlag, near Frankfort-on-the-Main, Germany. Filed Oct. 6, 1927, Serial No. 224,414, and in Germany Oct. 11, 1926. 4 Claims. (Cl. 40-130.)



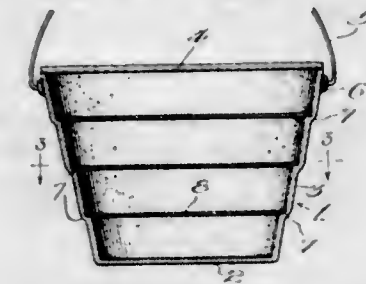
1. A light-advertising-plant, comprising in combination an upper transverse rod, means for suspending said transverse rod to a strong support for instance a chimney so that said transverse rod can be raised and lowered, a number of pulleys suspended on said transverse rod, an equal number of pulleys fixed on the ground, endless wires guided over said upper and lower pulleys, and incandescent lamps fixed on said endless wires so that they form characters and signs.

1,742,072. DEMAND METER AND RECORDER. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Nov. 27, 1925. Serial No. 71,554. 8 Claims. (Cl. 234-5.3.)



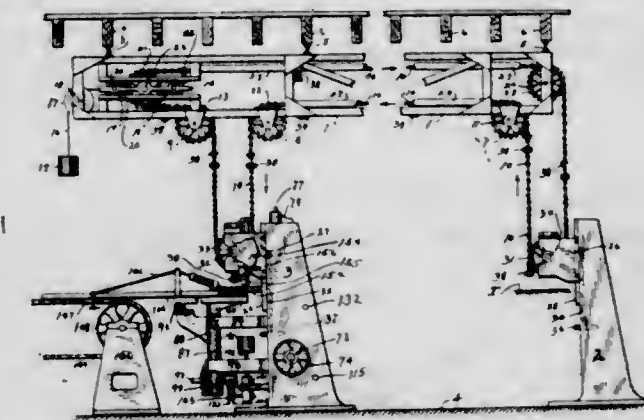
4. In a recording demand meter having a type wheel arranged to be advanced from a zero position more than one complete revolution in accordance with the demand to be recorded, means for rotating said wheel in the opposite direction at the end of a demand interval, a zero stop for said wheel, and means for rendering said stop ineffective to stop said wheel in any position other than its initial zero rotative position.

1,742,073. FELTED FIBROUS CONTAINER. RICHARD E. HALL, Olean, N. Y., assignor, by mesne assignments, to The Arvey Manufacturing Co., Wilmington, Del., a Corporation of Delaware. Filed July 8, 1926. Serial No. 121,075. 2 Claims. (Cl. 229-15.)



1. A molded or felted fibrous container having a base and integrally formed side walls of substantial depth, said side walls being provided intermediate their depth with spaced integrally formed shoulders projecting progressively outwardly in an upward direction, and partition elements supported on said shoulders dividing the interior of the container into separated compartments.

1,742,074. BOTTLE-HANDLING DEVICE. JOHN EDGAR HIRES, Langhorne, Pa., assignor, by mesne assignments, to Salem Glass Works, Salem, N. J., a Corporation of New Jersey. Filed May 8, 1922. Serial No. 559,252. 8 Claims. (Cl. 198-179.)



2. A bottle handling device comprising a conveyor, means swiveled on said conveyor for holding a bottle in suspended position by the neck, other means for actuating the first mentioned means, at places where the bottle is taken hold of and where it is released from the first mentioned means, a self adjusting tension device, for maintaining a fixed tension upon said conveyor.

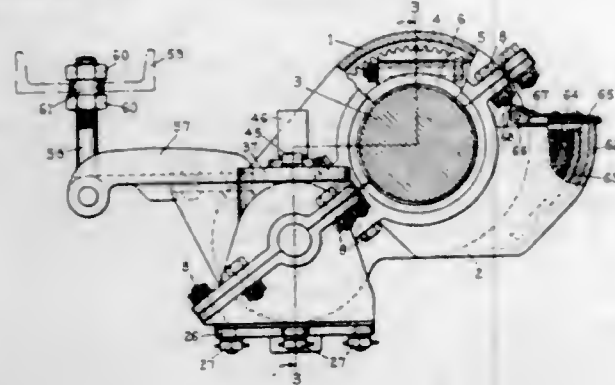
1,742,075. RECEPTACLE FOR REFUSE. ROY HOUGH-TEN, Detroit, Mich. Filed July 25, 1927. Serial No. 208,345. 2 Claims. (Cl. 220-32.)



1. A receptacle for refuse having an upwardly inclined wall provided with an opening for refuse, a closure for the opening hingedly connected to the wall above

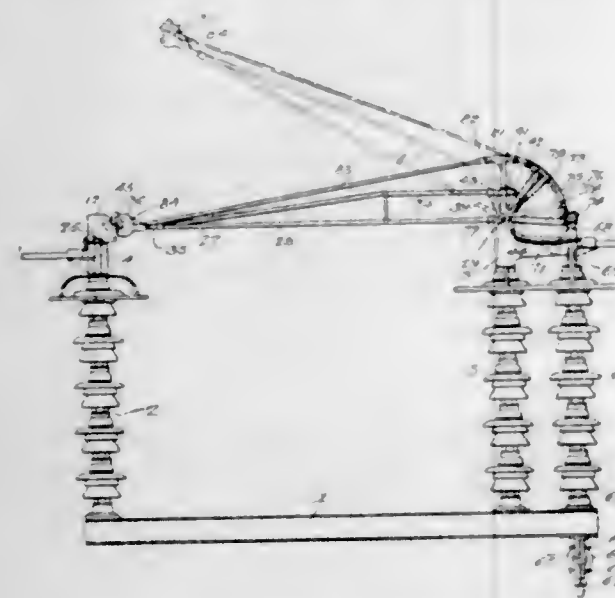
the opening, a ledge overhanging said opening so as to protect the connection between the closure and wall and prevent water draining through the opening into the receptacle, said ledge being constructed and arranged to limit the opening movement of the closure so as to prevent the latter from leaning back against the inclined wall above the opening and thereby accidentally be left in open position.

1,742,076. TRAIN CONTROL. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Oct. 9, 1922. Serial No. 593,357. 11 Claims. (Cl. 74-7.)



1. In a speed indicating device, the combination of a unit comprising a pair of wheels and an axle fixedly connected together, a centrifugal speed responsive device, and means for driving said centrifugal speed responsive device by said unit including means for transmitting only a given degree of acceleration.

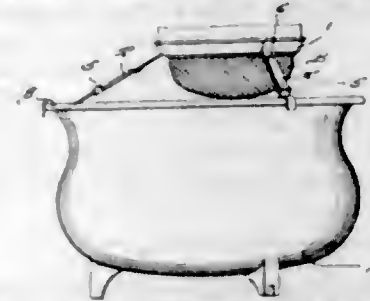
1,742,077. HIGH-VOLTAGE SWITCH. WILLIAM R. HUTTINGER, Philadelphia, Pa. Filed Aug. 12, 1927. Serial No. 212,467. 9 Claims. (Cl. 200-48.)



1. A switch comprising relatively movable switch members, one of said switch members being provided with a housing portion, a housing for the other switch member, means for establishing an interlocking relation between said housing and housing portion when said switch members are in predetermined positions, and an actuating insulator subjected to tension strains when said switch is being opened.

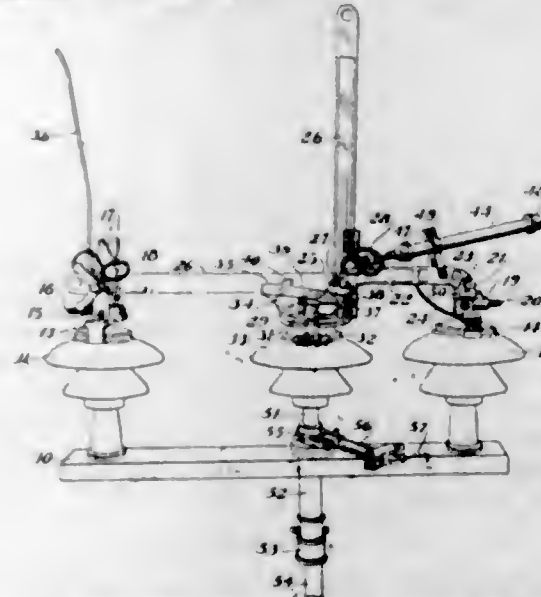
1,742,078. ATTACHMENT FOR CREAM SEPARATORS. REED JACOBS, Graettinger, Iowa. Filed May 4, 1928. Serial No. 275,209. 1 Claim. (Cl. 248-30.)
A strainer holder comprising a ring-shaped body, legs connected with the body and extending downwardly at an

angle, each leg consisting of two sections, the inner section being connected with the body and having an eye at its outer end and a plurality of holes therein, the outer sec-



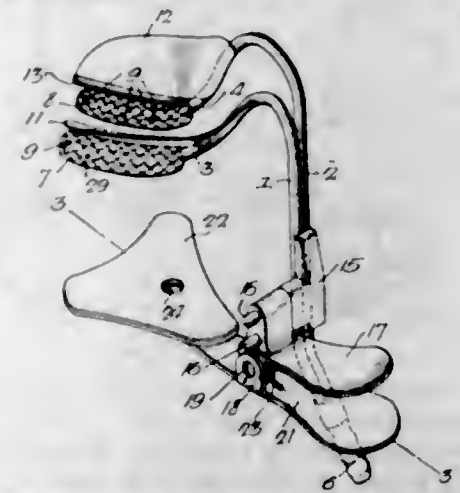
tion sliding through the eye and having a spring tongue at its inner end for engaging any one of the holes, whereby the leg can be adjusted as to its length and a double hook formed at the outer end of each outer section.

1,742,079. DISCONNECTING AIR-BREAK SWITCH. TOMLINSON F. JOHNSON, JR., Atlanta, Ga. Filed Mar. 18, 1924, Serial No. 700,112. Renewed May 21, 1929. 26 Claims. (Cl. 200-48.)



1. In a disconnecting switch, the combination with a pivoted switch blade and jaws with which the same is adapted to contact, of a cam mounted for rocking movement about an axis which is transverse to the axis of said blade and having a face engageable with said blade to force it open when the cam is rocked in one direction, and another face engageable with the blade on the opposite side of the pivot to close it when the cam is rocked in the opposite direction.

1,742,080. DENTAL APPLIANCE. HOWARD R. JONES, Philadelphia, Pa. Filed Apr. 23, 1924. Serial No. 709,591. 9 Claims. (Cl. 32-33.)



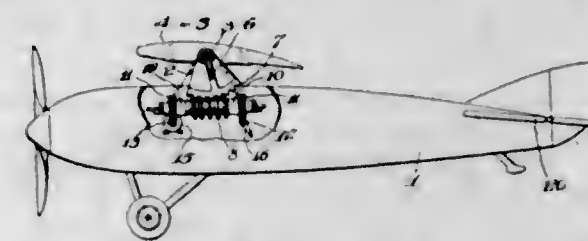
1. In a suction device for dental work, the combination with a tubular body of absorbent material, of a suction tube having a perforated portion adapted for insertion within said absorbent body.

1,742,081. FURNACE GRATE. FURMAN M. KANDLE, Atlantic City, N. J. Filed Mar. 19, 1928. Serial No. 262,679. 3 Claims. (Cl. 126-176.)



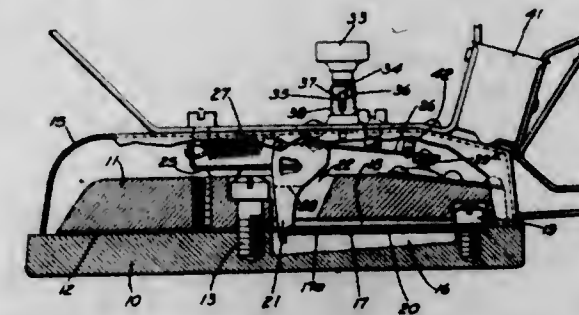
1. In a furnace grate, the combination with main grate bars with means to operate them in unison, of auxiliary grate bars supported only by the adjacent portions of the main grate bars at points to one side of the centers thereof, and fins depending from the auxiliary grate bars to and balancing them.

1,742,082. VARIABLE LIFT WING FOR AEROPLANES. HENRY G. KELLER, Glenside, Pa. Filed Apr. 14, 1928. Serial No. 270,007. 1 Claim. (Cl. 244-12.)



The combination with an aircraft including a fuselage provided with upstanding side bearings fixed to the fuselage of a rocking shaft in said bearings and having a depending segment rack centrally between the bearings, a wing fixed to and movable with said rocking shaft, the bearings at their upper ends fitting within the wing, a second shaft mounted on the inside of the fuselage in bearings thereof, the second shaft being below and at right angles to the rocking shaft and having a worm cooperatively engaged with the segment rack, the opposite ends of the second shaft having worm wheels, means below and at right angles to the second shaft and to be rotated and including worms engaging with the worm wheels for rotating the second shaft and its worm for imparting movement to the segment rack for tilting the wing, and a stabilizer adjacent the tail end of the fuselage for cooperation with the wing and therefore governing the angular flight.

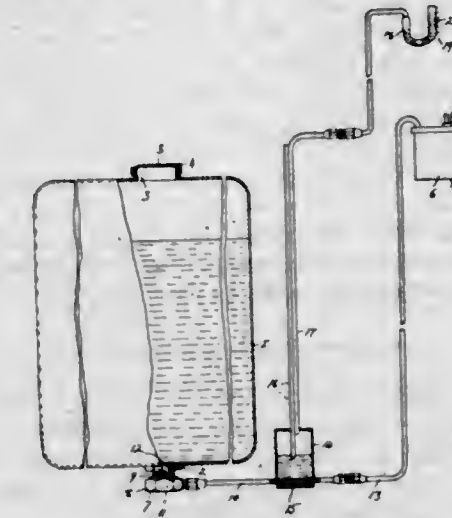
1,742,083. ELECTRIC HEATER. WILLIAM D. KELLY, Western Springs, Ill., assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill., a Corporation of New York. Filed Mar. 21, 1925. Serial No. 17,396. 6 Claims. (Cl. 200-188.)



1. A temperature cut-out for electric heaters comprising a bimetallic thermostat, and a resilient member having substantially the same shape as said thermostat arranged in longitudinal engagement with said thermostat, and means for securing said thermostat and said resilient member together at one point, whereby the free ends of said thermostat and said resilient member may move in unison.

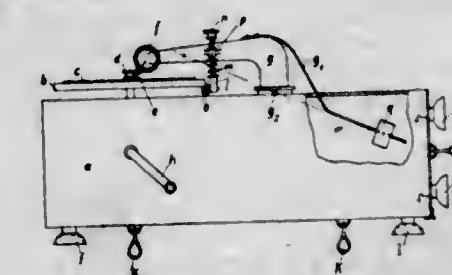
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1,742,084. DEPTH-INDICATING DEVICE. HORACE W. KING, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a Corporation of Michigan. Filed Apr. 16, 1923. Serial No. 632,344. 7 Claims. (Cl. 73-54.)



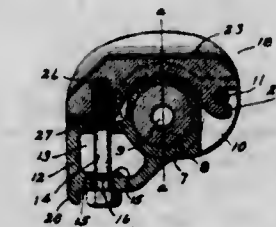
1. The combination with a tank containing liquid and means for withdrawing liquid from said tank at intervals, of a tubular connection between said tank and liquid withdrawing means, a chamber outside of said tank mounted upon said tubular connection, there being means whereby said chamber communicates with said tubular connection, an air supply tube opening into said chamber below its upper end and communicating with the atmosphere above the level of liquid in said supply tank, a pressure gage and connections therefrom communicating with said chamber above the point of communication of said air supply tube with said chamber.

1,742,085. TALKING MACHINE. HEINRICH KOCHENMEISTER, Berlin, Germany. Filed May 21, 1927, Serial No. 193,163, and in Germany May 21, 1926. 4 Claims. (Cl. 274-23.)



4. A talking machine comprising a sound arm, a sound box on said arm, a stylus on said sound box, a record, means for holding said stylus in the sound groove of said record, and an adjustable balance weight on said sound arm adapted to balance the weight of said sound arm and the parts thereon.

1,742,086. CURRENT COLLECTOR. ERNST A. LARSON, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed May 3, 1928. Serial No. 274,798. 6 Claims. (Cl. 191-59.1.)



1. A current collector comprising a harp member having projecting spaced arms, a bushing clamped between the inner faces of the arms, a transverse member passing

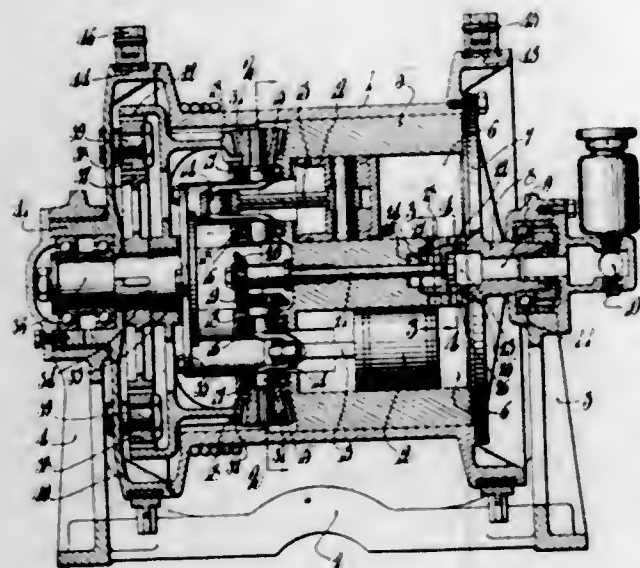
through the arms and bushing to hold the parts together and the bushing against rotation, a pivotal support mounted upon the bushing with rearwardly projecting spaced flanges and a transverse pin through the flanges, a forwardly projecting member with a vertical opening there-through and a bolt therein, a sliding shoe mounted on the support and having a hook portion at one end to engage the said pin between the spaced flanges and to threadably engage with the said bolt to draw the shoe into position and retain it, a ground portion on the shoe having a portion thereof to engage with a trolley wire and the said contact portion disposed substantially equally to the front and rear of a vertical line through the axis of the bushing when the said contact portion is horizontally disposed and the shoe contacting with the support at a point intermediate the ends of the shoe.

1,742,087. VISIBLE-CARD INDEX FILE. LUIGI LOMBARDINI, Turin, Italy. Original application filed Nov. 26, 1927, Serial No. 235,957, and in Italy Apr. 19, 1927. Divided and this application filed Feb. 1, 1929. Serial No. 336,877. 1 Claim. (Cl. 129—16.7.)



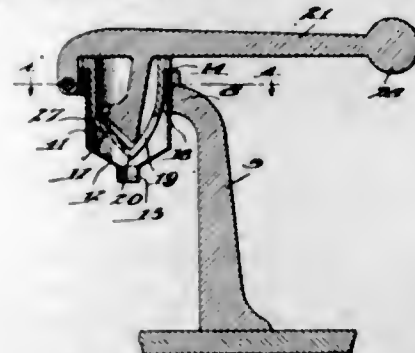
In visible card index files, a card-holder comprising a body, a transparent folded pocket member protecting a margin of said body, cross extensions at both ends of each fold of said pocket, said extensions being stitched together and to the body so as to clear a passage for the endwise insertion of a record slip between each fold of the pocket and the corresponding surface of the body, substantially as described.

1,742,088. HOISTING MECHANISM. LOUIS A. MAXSON, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 30, 1921. Serial No. 525,982. 19 Claims. (Cl. 254—186.)



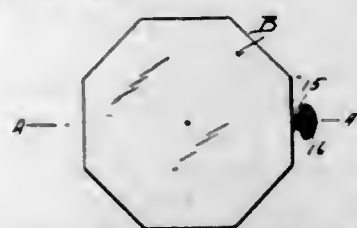
1. In a hoisting mechanism, a rotatable drum and driving means therefor comprising a motor comprising a plurality of cylinders disposed within said drum and rotatable therewith whose axes lie in planes passing through the axis of the drum and also in a surface of revolution whose directrix coincides with the axis of the drum, and a plurality of pistons reciprocable in said cylinders, and operative driving connections between said motor and drum.

1,742,089. JUICE EXTRACTOR. CHARLES MEYER, Miami, Fla. Filed Mar. 13, 1928. Serial No. 261,326. 3 Claims. (Cl. 100—41.)



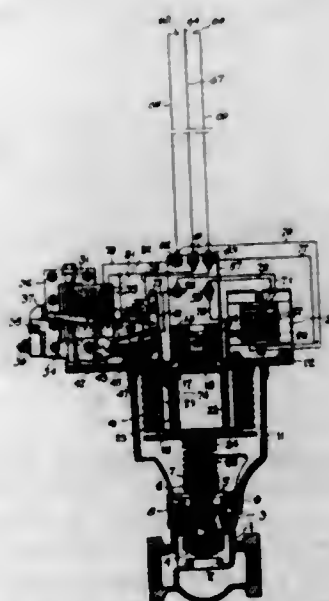
1. In a press an elliptical in plan receptacle, one side wall of which having a downwardly and inwardly curved portion which extends a considerable distance below the opposed side wall, a flat bottom wall connecting the lower edge of said opposed wall and lower edge of the curved wall portion and located at an oblique angle with respect to the horizontal, and a plunger in the receptacle and co-operating with the flat bottom and curved wall portion in exerting both radial and thrust pressure on the contents of the receptacle.

1,742,090. CLOSURE CAP. AXEL ORNBERG, Wilpen, Minn. Filed Mar. 22, 1928. Serial No. 263,880. 4 Claims. (Cl. 70—90.)



4. A locking mechanism comprising a supporting member, a lock bolt slidably supported thereby, barrels positioned to one side of the bolt, pins extending within the barrels, expansible members within the barrels coacting with the pins for constantly urging the same outwardly, and an arm connecting the pins and provided with a lug, said pins being constantly urged to bring the lug into engagement with the bolt, said lug engaging the bolt when in either extended or retracted position to hold the bolt against movement.

1,742,091. AUTOMATIC CONTROL DEVICE. CARL A. OTTO, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 25, 1928. Serial No. 288,165. 8 Claims. (Cl. 236—68.)



1. The combination with a controlling device of the type actuated by pressure generated in a motor by an

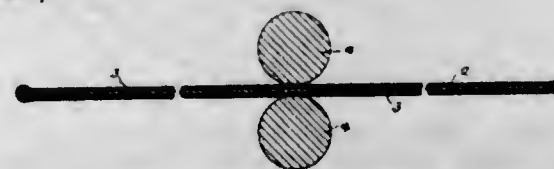
electric heater; of a heater switch controlling the heater and biased to close; a distant control switch; a relay controlled thereby; and connections whereby the heater switch may be opened by the relay under the control of the distant switch or by the motor upon the existence of excessive pressure therein.

1,742,092. LIFEBOAT-RELEASING DEVICE. GEORGE W. P. OVERMAN, Norfolk, Va. Filed July 5, 1928. Serial No. 290,603. 2 Claims. (Cl. 9—23.)



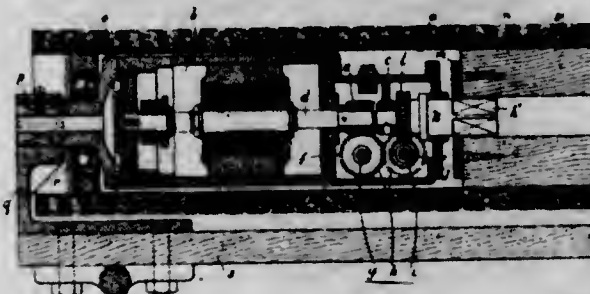
1. A life boat releasing device, comprising a casing consisting of spaced plates adapted to be secured to an end post of a boat, an L-shaped hook pivoted at one of its extremities in said casing and adapted to engage a hoisting and lowering member, a trigger member for said hook including a block, a U-shaped strap secured to said block and having its right spaced from the block to provide a loop to engage the free end of the hook, said block and strap pivoted in said casing adjacent to said loop, the part of the block and strap on the other side of the pivot providing a weight to hold the loop in hook engaging position, and means to actuate the loop from engaging position.

1,742,093. INKED RIBBON AND METHOD OF MAKING THE SAME. BERTRAND PARADIS, Brooklyn, N. Y. Filed Jan. 19, 1928. Serial No. 247,999. 1 Claim. (Cl. 91—68.)



The herein described method, including the cutting of an endless strip of tubular fabric, inserting a sheet or strip of cardboard or analogous material between the runs of the endless strip, then passing said strip and cardboard between inking rollers, and then reversing the strip on the cardboard and again running said strip and cardboard between the inking rollers.

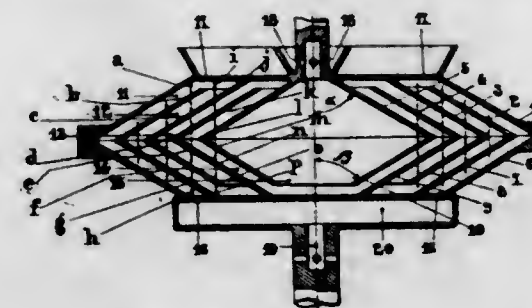
1,742,094. SUN BLIND. CHARLES PERKS, London, CHARLES ERNEST SHIELDS, Clive Vale, and THOMAS GRAHAM MURRAY, Teddington, England. Filed Mar. 1, 1928. Serial No. 258,317, and in Great Britain Mar. 1, 1927. 4 Claims. (Cl. 150—44.)



8. In a self-raising and lowering awning, an awning roller having a tubular end, electric operating means for said roller embodying an electric motor and reduction gear-

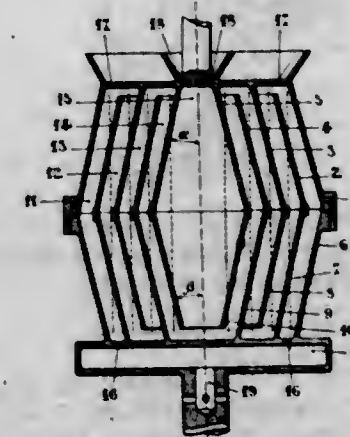
ing both disposed in said tubular roller end and unitarily connected with each other for removal as a single unit from the roller, slidably interfitting members on the reduction gearing and roller for establishing a positive driving connection between them, said members being disengageable upon withdrawal of said unit from the roller, a stub shaft secured to the outer end of said motor, a bearing for said roller end mounted upon the inner end of said stub shaft, and means connected to the outer end of said stub shaft for holding the latter against rotation.

1,742,095. CENTRIFUGAL SEPARATOR. DANIEL PERRIER, Unieux, France, assignor of one-half to Société Anonyme Française dite: Compagnie Industrielle des Moteurs à Explosions C. I. M. E., Paris, France. Filed Jan. 23, 1928. Serial No. 248,945, and in Germany Jan. 22, 1927. 6 Claims. (Cl. 233—29.)



1. In a centrifugal separator, a rotary distributor, comprising a casing, upper and lower, concentrically arranged assemblages of baffles of frusto-conical form within said casing, the corresponding baffles of the two assemblages being connected to each other at their major ends, relatively adjacent baffles defining, between them, circulation chambers concentrically arranged and concentric to the axis of rotation of the distributor, the said baffles being arranged, alternately with respect to one another, to establish communication between said chambers, means for admitting the fluid to be separated into the casing at one point for delivery into the outermost one of said chambers, and means for conducting the refined fluid from the innermost chamber at another point.

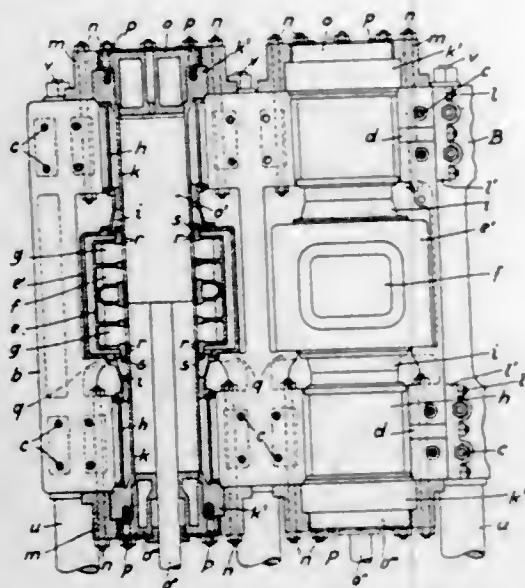
1,742,096. CENTRIFUGAL SEPARATOR. DANIEL PERRIER, Unieux, France, assignor of one-half to Société Anonyme Française dite: Compagnie Industrielle des Moteurs à Explosions C. I. M. E., Paris, France. Original application filed Jan. 23, 1928. Serial No. 248,945, and in Germany Jan. 22, 1927. Divided and this application filed Nov. 15, 1928. Serial No. 319,644. 3 Claims. (Cl. 233—29.)



1. In a centrifugal separator, a rotary distributor, comprising a casing, upper and lower concentrically arranged assemblages of baffles of frusto-conical form within said casing, the corresponding baffles of the two assemblages be-

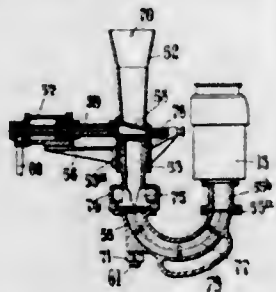
ing connected to each other at their major ends, relatively adjacent baffles defining, between them, circulation chambers concentrically arranged and concentric to the axis of rotation of the distributor, the said baffles being arranged alternately with respect to one another, to establish communication between said chambers, means for admitting the fluid to be separated into the casing at one point for delivery into the outermost one of said chambers, means arranged substantially at the point of greatest centrifugal force for conducting the heavier of the separated fluids from said distributor, and means for conducting the refined fluid from the distributor at another point.

1,742,097. ENGINE CYLINDER. JOHANNES RADLOFF, Berlin, Germany, assignor to the Firm Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Filed Dec. 23, 1927, Serial No. 242,123, and in Germany Dec. 29, 1926. 9 Claims. (Cl. 123-173.)



1. Engine comprising a working cylinder and a frame arranged to support said cylinder, said frame being divided longitudinally and each half of said frame being formed with an aperture facing the central part of said cylinder.

1,742,098. METHOD OF AND APPARATUS FOR CHARGING MOLTEN GLASS INTO MOLDS. CARL HENRY RANKIN, York, England, assignor to Rankin Automatic Glass Feeder Company, Limited, York, England. Filed Aug. 15, 1927, Serial No. 213,130, and in Great Britain Aug. 31, 1926. 14 Claims. (Cl. 49-5.)

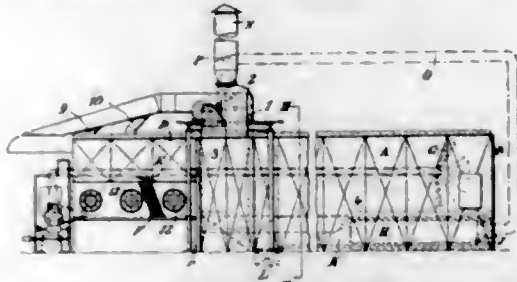


2. Apparatus for delivering a charge of molten glass to a mold, comprising a U-shape funnel whereof one part is movable rotationally in the other part.

1,742,099. DRYING OVEN. KENNETH JAMES RENNIE ROBERTSON and ALEXANDER FOWLER, London, England, assignors to Carrier Engineering Company Limited, London, England. Filed June 20, 1929, Serial No. 372,369, and in Great Britain June 18, 1928. 9 Claims. (Cl. 34-12.)

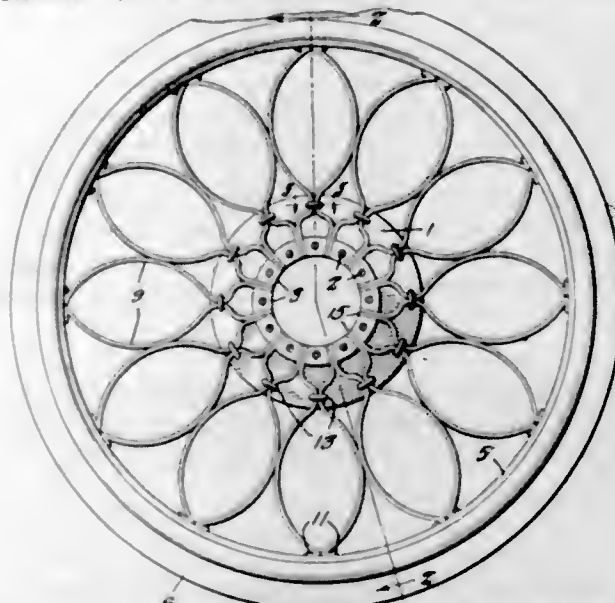
1. An oven within which a current of air is formed for drying articles therein, comprising the combination with

the oven of a furnace, a flue to said furnace running along the oven, and an air duct arrangement associated with said flue through which drying air for the oven is caused to flow in opposite direction to the flue gases, and thereby



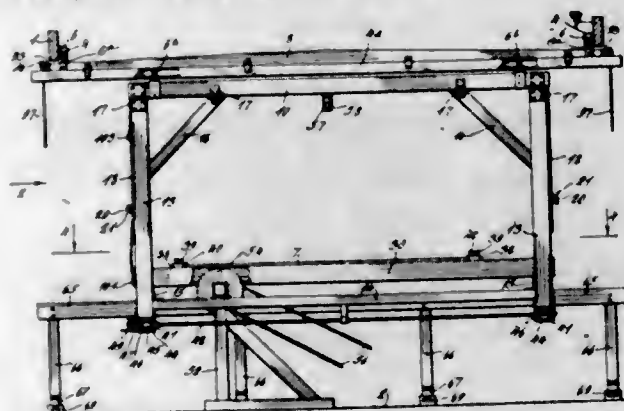
gradually attain heat prior to entering the oven, a chamber associated with said oven, and a conveyor therein for carrying articles to be dried thru said chamber so that the articles are subjected to the hottest zones of the oven midway of their travel.

1,742,100. SPRING WHEEL. THOMAS ROZANKOVICH, Galveston, Tex. Filed Jan. 14, 1929. Serial No. 332,392. 3 Claims. (Cl. 152-50.)



1. A spring vehicle wheel including a hub and a rim, said rim having its inner periphery provided with equidistantly spaced somewhat elongated openings, and said rim carrying a compressible tire, spring spokes arranged in pairs fixed to the hub of the wheel, each spoke having an arched body and the outwardly arched portions of the respective pairs of spokes being centrally in contact with each other, and said spokes having reduced fingers which are received in the mentioned openings in the rim.

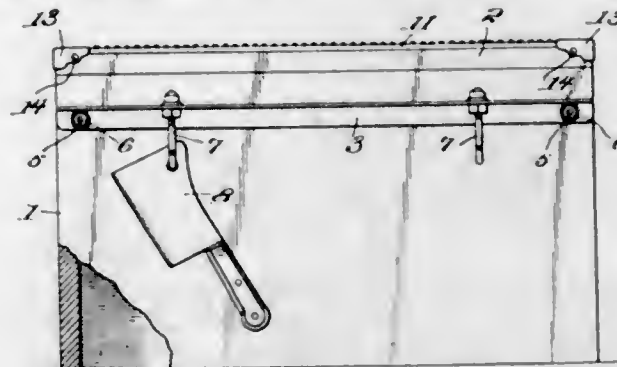
1,742,101. GLASS-GROOVING MACHINE. HENRY A. SCHEIDEMAN, Edgewater, Colo., assignor of one-half to The McMurtry Manufacturing Company, Denver, Colo., a Corporation of Colorado. Filed Feb. 24, 1928. Serial No. 256,548. 12 Claims. (Cl. 51-91.)



2. A device of the class described, comprising, in combination, a support, a frame, means for attaching the

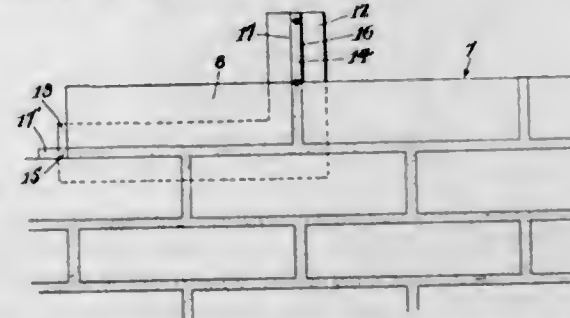
frame to the support so that it will move in a rectilinear path, means suspended from the underside of the frame work for supporting a glass plate and means for fastening the glass plate to the supporting means.

1,742,102. TOOL CABINET FOR BUTCHERS. ERNEST SEAGLES, Washington, D. C. Filed May 12, 1928. Serial No. 277,290. 1 Claim. (Cl. 211-87.)



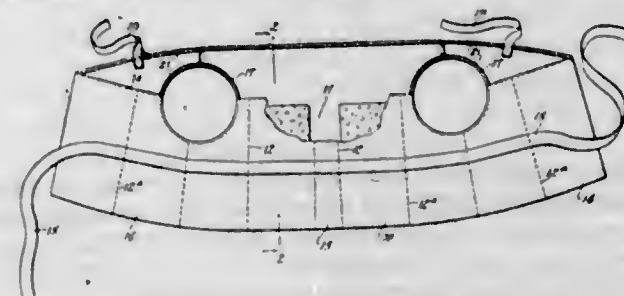
A butcher's tool cabinet comprising a box-like member having its top provided with a series of openings, a soft metal cuff received through each opening and of a length greater than that of the thickness of the top of the cabinet, each of said cuffs having its outer edge flanged outwardly to rest on the top of the cabinet, closely related headed securing means passing through the flanges for securing the same to the cabinet and for serving as elements to engage with the handles of implements whose blades are freely passed through the cuffs and the inner edges of the metal cuffs designed to serve as wiping and shining elements for the blades of such implements, when the latter are brought thereagainst.

1,742,103. GAUGE ATTACHMENT. PETER SHOLTES, Youngstown, Ohio. Filed May 22, 1928. Serial No. 279,809. 2 Claims. (Cl. 33-180.)



1. In combination, an L-square, a pair of gauging arms disposed at right angles to each other and connected together at one end, each of said arms being positioned against one face of and at the longitudinal median line of the leg of the square, one of said arms having its free end extended beyond the free end of one of the legs of the square and the other of said arms having its free end flush with the free end of the other leg of the square, and means for securing said arms to the legs of said square.

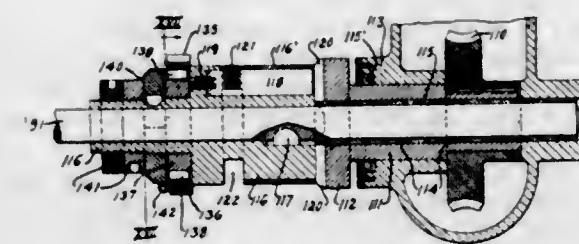
1,742,104. LIFE PRESERVER. ERNEST W. SKOLDBERG, New York, N. Y. Filed Mar. 30, 1928. Serial No. 260,027. 2 Claims. (Cl. 9-20.)



1. A life preserver including a body encircling portion of fabric folded longitudinally upon itself at its lower edge,

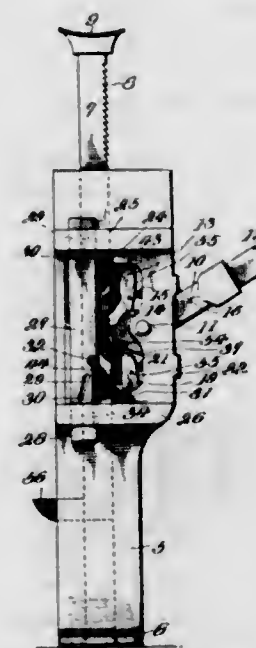
lines of transverse stitching connecting the two thicknesses of folded over fabric to divide the same into a series of pockets, buoyant material in the pockets and lines of stitching closing the tops of said pockets below the top of the body, the bottoms of said pockets being seamless and formed by the fold of the fabric.

1,742,105. SLICING MACHINE. JOSEPH C. STEINER, St. Louis, Mo., assignor, by mesne assignments, to Hussmann-Ligonier Company, St. Louis, Mo., a Corporation of Delaware. Filed Aug. 13, 1926. Serial No. 128,971. 17 Claims. (Cl. 146-102.)



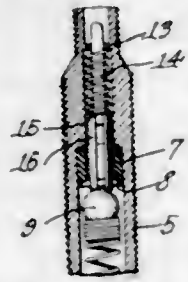
1. A slicing machine comprising a knife member, a holding member whereby the material to be sliced is presented to the knife member, one of said members being movable from a starting position wherein the material lies entirely beyond said knife member to a slicing position wherein the material contacts with the knife member, and means to prevent stopping of the movable member in said slicing position, said means including a clutch-shifting member driven with said movable member, and a hand-controlled stopping member movable into the path of said clutch-shifting member.

1,742,106. LIFTING JACK. WILLIAM H. STONE, Goodland, Kans. Filed Apr. 26, 1927. Serial No. 186,686. 13 Claims. (Cl. 254-111.)



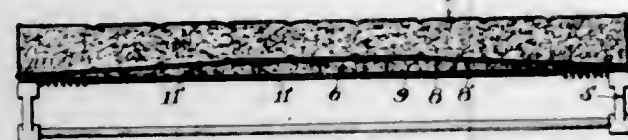
1. A jack comprising a standard, a rack slidably mounted therein, a lifting pawl and a check pawl, an actuating lever mounted on said jack, said lever having an enlarged head operatively connected with said lifting pawl, a reversing mechanism slidably mounted on said standard, means for sliding said mechanism into and out of engagement with the head of said actuating lever, said reversing mechanism in its extended position mounted for alternate engagement with said pawls, and said reversing mechanism when in its extended position actuated by said operating lever for alternately engaging the pawls, for the purpose described.

1,742,107. VALVE CONSTRUCTION. JOHN ARTHUR STUBBLEFIELD, Bay City, Oreg., assignor of one-half to Altice Earl Myers, Condon, Oreg. Filed Feb. 6, 1929. Serial No. 337,881. 2 Claims. (Cl. 152-12.)



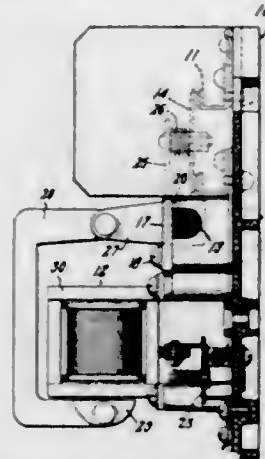
1. A valve including a body portion, a rubber valve seat positioned in the body portion, a metallic ball valve seated against the valve seat to prevent the passage of air from the valve, a coiled spring engaging the ball valve for normally urging the ball valve to its seat, means for adjusting the tension of the coiled spring, and a spring pressed core contacting with the ball valve and adapted to be operated to unseat the ball valve to release air in the body portion.

1,742,108. COMPENSATING PAD FOR MATTRESSES. ROBERT W. TAYLOR, Banning, Calif. Filed Feb. 12, 1929. Serial No. 339,394. 2 Claims. (Cl. 5-354.)



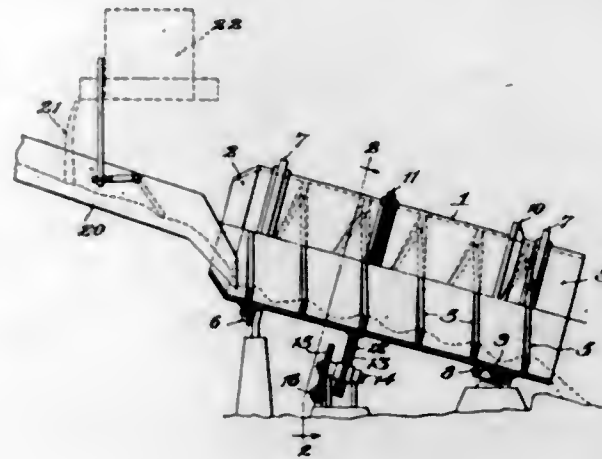
1. A compensating pad for mattresses comprising a flexible body corresponding in length and width to that of the mattress, said body being formed centrally thereof with a substantially rectangular portion of greater thickness than the remaining portion, said body gradually increasing in thickness from each of its edges towards said rectangular portion.

1,742,109. ELECTRIC SWITCH MECHANISM. LOUIS J. WEBER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1927. Serial No. 241,950. 8 Claims. (Cl. 200-87.)



1. In an electromagnetically operated switch, the combination of a switch operating shaft having a plurality of switch contacts mounted thereon and having an operating lever arm extending therefrom, a base having bearings for rotatably supporting said switch shaft in parallel spaced alignment therewith, stationary contacts mounted on said base at one side of said operating shaft in cooperating relation with the contacts on the switch shaft, an operating plunger electromagnet mounted on said base on the other side of said operating shaft with the operating plunger of the electromagnet in substantial alignment with the end of said operating lever arm and with the magnetic frame of the electromagnet located between the plunger and the arm, and a yoke straddling said frame and extending between said plunger and said lever arm.

1,742,110. METHOD FOR TREATING CONTINUOUSLY MOVING MATERIAL. CLYDE RODRICK WEIHE, Connellsville, Pa., assignor of one-half to Charles Weihe, Connellsville, Pa. Original application filed Feb. 1, 1926, Serial No. 85,369. Divided and this application filed July 9, 1927. Serial No. 204,640. 3 Claims. (Cl. 210-16.)



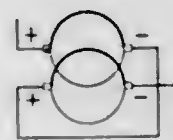
1. A method of treating a fluid with a soluble solid which consists in introducing the soluble solid into the flowing fluid, causing the fluid and soluble solid to cascade through a chamber, and continuously returning undissolved portions of the soluble solid in a direction counter to the cascading fluid.

1,742,111. PROCESS FOR THE PRODUCTION OF SOFT IRON. BERNHARD WEISHAN, Sigmaringen, Germany. Filed Mar. 11, 1927. Serial No. 174,551, and in Germany Sept. 29, 1926. 3 Claims. (Cl. 80-60.)



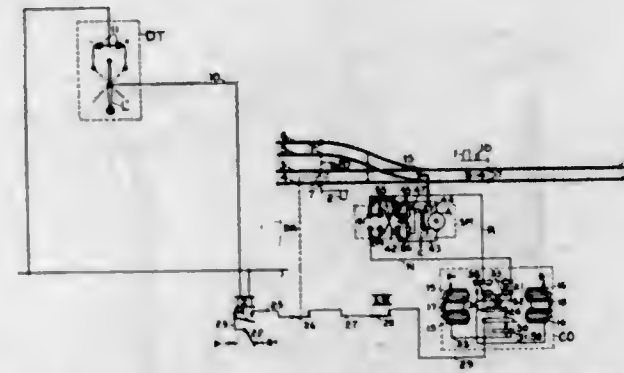
1. A process for the production of soft-iron comprising forming puddled-iron into bars substantially triangular in cross-section having flattened longitudinal edges, then binding together the bars to give a pile the sectional shape of which is that of a closed polygon having a central passageway therethrough, and rolling the pile, thereby causing slag to pass out of the central passageway.

1,742,112. DYNAMO-ELECTRIC-MACHINE ARMATURE. WILHELM WELSCH, Berlin-Niederschonhausen, Germany, assignor to General Electric Company, a Corporation of New York. Filed Mar. 9, 1928, Serial No. 260,492, and in Germany Mar. 17, 1927. 2 Claims. (Cl. 171-206.)



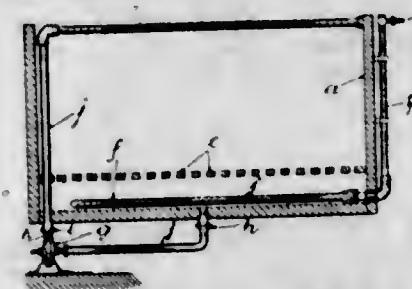
1. In a dynamo-electric machine, an armature having a commutator at each end thereof and two separate windings, each of said windings being connected to one of said commutators and progressing in the same direction with respect to the direction of rotation of said armature, brushes bearing on each of said commutators, and means including said brushes for connecting said windings in series.

1,742,113. CONTROL MEANS FOR SWITCH MACHINES. WALTER W. WENHOLZ, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Aug. 4, 1927. Serial No. 210,561. 12 Claims. (Cl. 246-3.)



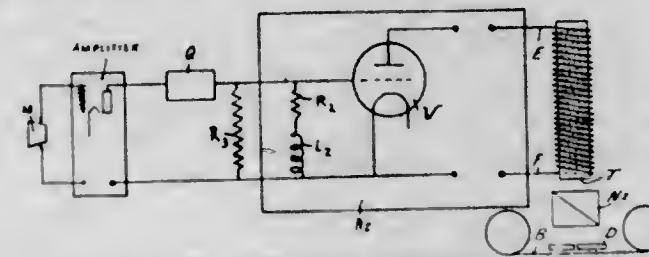
11. A circuit controller for operating switch machines comprising two electro-magnets for operating circuit controlling means in opposite directions upon alternate energization of said electro-magnets, circuit selecting means for connecting one or the other of said electro-magnets to a line wire, and means for controlling the energization of the connected electro-magnet through the medium of said line wire.

1,742,114. MACHINE FOR DYEING, SCOURING AND WASHING WOOL AND OTHER FIBROUS MATERIALS. JONATHAN WHITAKER and RUFUS WHITAKER, Saville Town, Dewsbury, England. Filed Sept. 16, 1926, Serial No. 135,900, and in Great Britain Sept. 21, 1925. 4 Claims. (Cl. 8-19.)



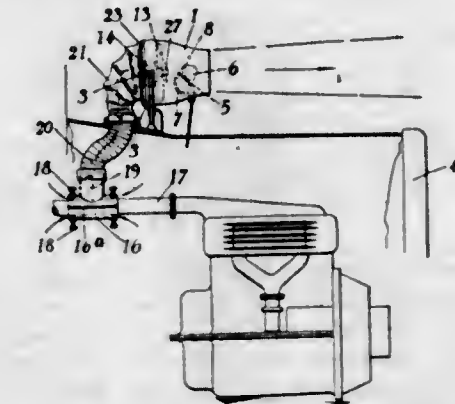
1. In a machine for dyeing, scouring and washing wool and other fibrous materials, a vertical supporting bracket, a single vessel having a perforated false bottom hinged at one end thereto, and means for tilting the vessel to a position beyond the vertical line of the said bracket.

1,742,115. LIGHT-CONTROLLING MEANS. ALFRED WHITAKER, West Drayton, and MICHAEL BOWMAN-MANFOLD, Hayes, England. Filed Jan. 20, 1929, Serial No. 335,370, and in Great Britain Dec. 10, 1927. 8 Claims. (Cl. 179-100.1.)



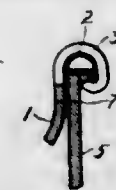
1. A device for controlling the intensity of a beam of polarized light in accordance with a current of varying frequency comprising a light-controlling valve, said valve including a coil adapted to produce a magnetic field to control the plane of polarization of the light beam, means associated with said coil for supplying a current of varying frequency thereto, and electrical correcting means including resistance in circuit with said coil for increasing the relative response at higher frequencies and maintaining a current through said coil that is independent of variations of the impedance of said coil.

1,742,116. MEANS FOR ENABLING LIGHT TO PENETRATE FOGGY ATMOSPHERE. FRANK ARCHIBALD WRIGHT, Westcliff-on-Sea, England. Filed Feb. 23, 1929, Serial No. 342,176, and in Great Britain Dec. 10, 1927. 2 Claims. (Cl. 240-7.1.)



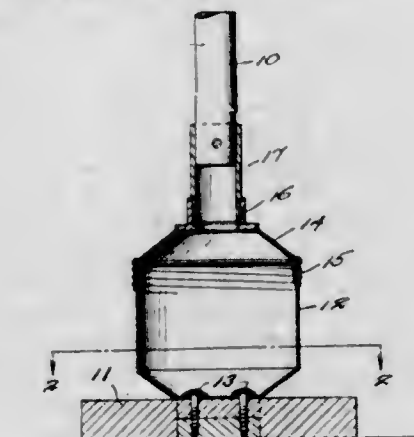
1. An apparatus of the character described, comprising a tubular horizontal casing open at its rear and forward ends, lighting means in said casing adjacent the forward end of the latter, means in said casing behind said lighting means for drawing air through the rear end of said casing and forcing it at high velocity past said lighting means through the forward end of the casing, and a flexible conduit having its forward end connected to the rear end of the casing and provided at its rear end with means for detachable connection with a source of heated air, said conduit being foldable within the rear end of said casing.

1,742,117. BINDING. ALBERT AARON and SCHUYLER BENJAMIN, Gloversville, N. Y., assignors to Louis Meyers & Son, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 5, 1927. Serial No. 224,196. 2 Claims. (Cl. 2-274.)



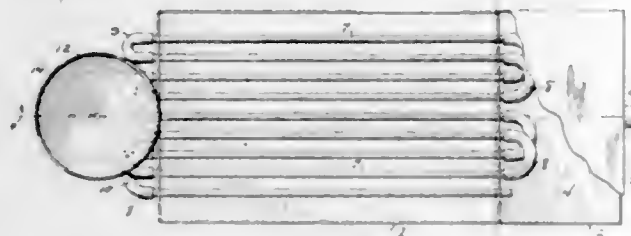
1. A binding, comprising two flexible strips, one of said strips having perforations therein exposing the other strip, and said binding folded longitudinally along a line passing through the openings.

1,742,118. CHURN. NATHAN JACKSON ADAMS, Poteet, Tex. Filed May 31, 1927. Serial No. 195,511. 1 Claim. (Cl. 259-54.)



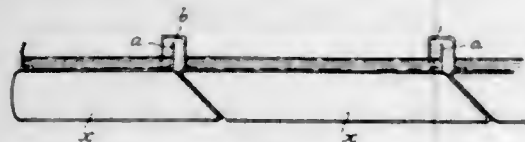
A churn dasher comprising a receptacle for a liquid, and including a removable closure, means carried by the closure for operating the device, an agitator carried by the bottom of the receptacle, and means passed through the bottom from the inside of the receptacle and into said dasher when the closure is removed, to hold the agitator in position for use.

1,742,119. MILK-COOLING DEVICE. SAM ADAMY, Wellsboro, Pa., assignor of one-half to Otis H. Evans, Wellsboro, Pa. Filed Jan. 23, 1928. Serial No. 248,904. 1 Claim. (Cl. 257—206.)



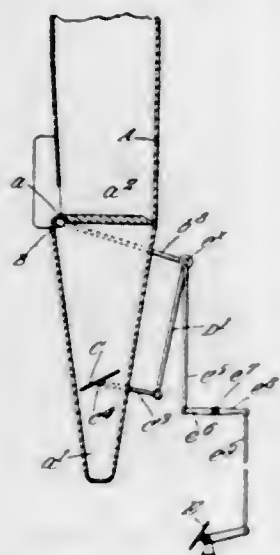
A milk cooling device comprising a receptacle for the reception of cracked ice or cold water, said receptacle having one of its ends having a lower extension and a milk receiving chamber disposed over said extension, a removable closure for said chamber and said chamber having an outlet spout, upper and lower series of tubes extending longitudinally through the ends of the casing, and the lower series of tubes being extended into the milk receiving chamber, one of said last mentioned tubes providing a milk outlet, flexible couplings frictionally engaging the ends of the tubes, for establishing a milk circulation through all of the tubes, a milk receiving receptacle and a flexible coupling between the outlet of the receptacle and one of the upper series of the tubes.

1,742,120. LIQUID-STORAGE TANK. IVAN RODIONOVICH AFONIN, London, England. Filed July 2, 1928. Serial No. 289,912, and in Great Britain July 6, 1927. 2 Claims. (Cl. 220—26.)



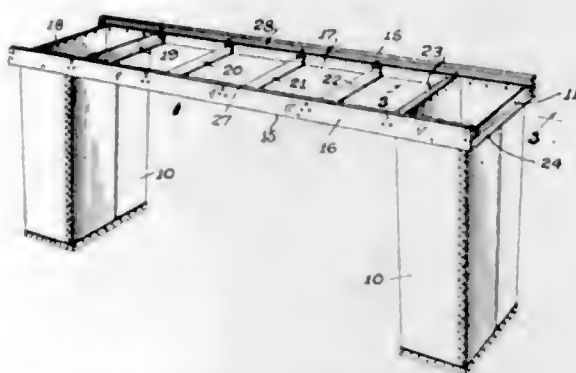
1. A floating roof for liquid storage tanks comprising a plurality of cells each having walls projecting upwardly therefrom and forming water containers, some of said walls being bent outwardly and downwardly to extend over adjacent unbent walls of adjacent cells.

1,742,121. ORGAN. EDWARD BAWTREE, Orpington, England. Filed Jan. 28, 1928. Serial No. 250,274, and in Great Britain Feb. 3, 1927. 10 Claims. (Cl. 84—349.)



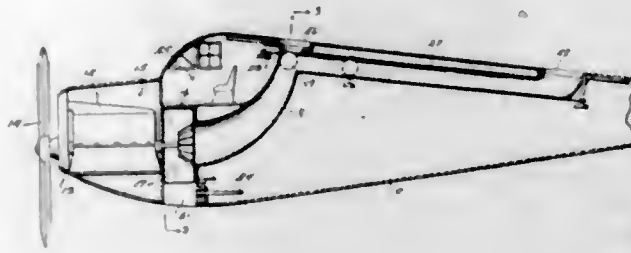
5. An organ fluepipe provided with means for varying the width of the windway of the fluepipe so that the volume of the windstream passing through said windway can be altered without varying its pressure at that point.

1,742,122. APPARATUS FOR USE IN THE MANUFACTURE OF ICE. ANSON J. BENTLEY, Niles, Ohio. Filed Nov. 12, 1925. Serial No. 68,507. 7 Claims. (Cl. 62—157.)



3. In apparatus for use in making ice, a structure constructed and arranged to be handled as a unit, comprising a carrier frame and a plurality of freezing cans removably carried thereby, the carrier frame comprising parallel side members and cross members connecting the side members, the cans having reinforcing bands engaging one set of members to provide support for the cans, and bars removably secured to the other set of members for engaging the top edges of the reinforcing bands to prevent displacement of the cans in the carrier frame.

1,742,123. AUXILIARY SUSTAINING AND PROPELLING MEANS FOR AIRPLANES. JOHN FRANKLIN BERRY, Lewis, Iowa. Filed Feb. 21, 1929. Serial No. 341,738. 3 Claims. (Cl. 244—12.)

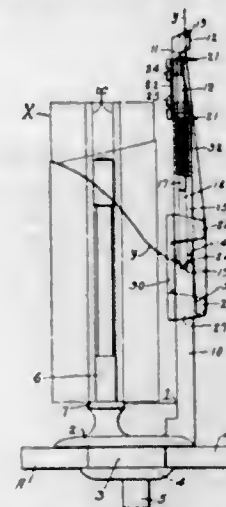


1. In an airplane, an engine driven exhaust fan and casing therefor and inlet ducts leading to the fan casing from one face of the airplane structure and a discharge duct leading from the fan casing to an opposite face of the airplane structure and manually controllable covers mounted upon the airplane structure and adapted to close the open ends of the ducts, the covers being independently operable, the ends of the ducts having enlargements to receive said covers and said covers being disposed for sliding movement within the outer covering of the airplane structure and shiftable into place within said enlargements to close said ducts.

1,742,124. THREAD-CONTROLLING MECHANISM FOR BRAIDING MACHINES. SIDNEY B. BLAISDELL, Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 29, 1927. Serial No. 243,406. 17 Claims. (Cl. 96—13.)

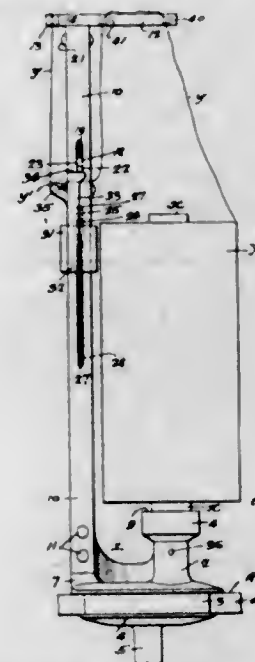
1. In a bobbin carrier the combination of a spindle adapted to support a bobbin thereon, a thread guiding post adjacent said spindle having a thread guide-opening and a slot intersecting said opening formed therein, a member movably mounted in said slot and adapted to cooperate with the wall of the mouth of the opening for

gripping a thread passing from a bobbin carried by the spindle through the guide-opening in the post to arrest the movement of said thread, and means operable by said



thread when the tension thereon increases above a predetermined value for releasing the movable element from said thread.

1,742,125. THREAD-CONTROLLING MECHANISM FOR BRAIDING MACHINES. SIDNEY B. BLAISDELL, Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 20, 1928. Serial No. 248,180. 9 Claims. (Cl. 96—13.)



1. In a bobbin carrier for braiding machines the combination of a base member, a spindle carried by said base member and adapted to support a bobbin thereon, a hollow thread guiding post adjacent said spindle having a thread guide-opening formed therein and extending transversely therethrough, a block rigidly mounted in said hollow post below said opening, a member slidably mounted in said post above said rigid block for engaging a thread passing from a bobbin carried by the spindle through the guide-opening in the post and pressing said thread against the rigid block thereby gripping said thread to arrest the movement thereof, and means operable by said thread when the tension thereon increases above a predetermined value for releasing the movable element from said thread.

1,742,126. BRAIDING MACHINE. SIDNEY B. BLAISDELL, Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 1, 1929. Serial No. 336,730. 10 Claims. (Cl. 96—3.)

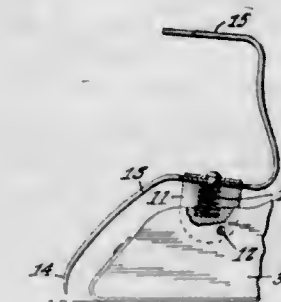
1. In a braiding machine employing a plurality of thread carriers, a guide for said carriers describing a plurality

of individual paths to be respectively traveled by different carriers, said paths intersecting at points remotely situated with respect to a common point on said guide and



intersecting again adjacent said common point, said common point being disposed within each and all of said intersecting paths.

1,742,127. SLED. JOSEPH EDMUND BLAKE, Gardner, Mass. Filed Jan. 23, 1928. Serial No. 248,886. 1 Claim. (Cl. 188—8.)

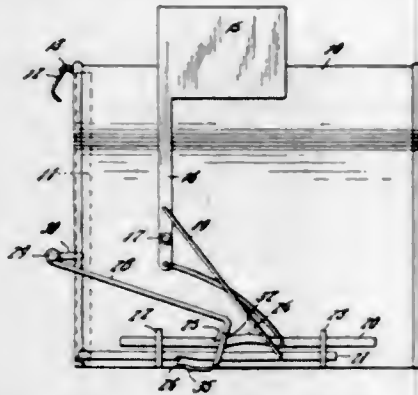


In combination with a sled, an inverted U-shaped bracket having its limbs pivoted eccentrically to the rear part of the rear runner thereof, a strip passing under the bight of the bracket and fastened thereto, the lower portion of the strip extending downwardly with its lower end pointed to form a brake, the upper portion of the strip extending upwardly and having a substantially straight extremity for forming a foot engaging portion and a spring having its lower end engaging a part of the rear of the rear runner and its upper end engaging that part of the strip which is fastened to the bracket, the strip being attached in the rear of the pivot of the bracket whereby the bracket and strip are normally held in a position with the lower end of the strip above the surface engaged by the sled.

1,742,128. MAIL-BOX-FLAG CONTROL. CHARLES W. BOND, Burr, W. Va. Filed May 16, 1927. Serial No. 191,882. Renewed July 25, 1929. 1 Claim. (Cl. 232—34.)

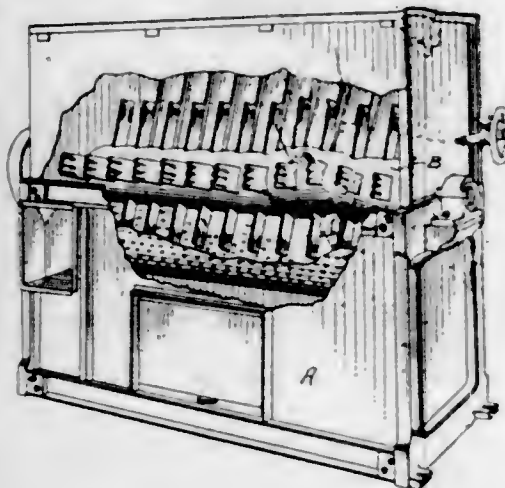
In a device of the class described, a box and a door therefor, a pivotally mounted signal, a slidable bar and means connecting the bar with the signal on one side of the pivotal point thereof, a second bar, and means con-

necting the second bar with the signal on the opposite side of the pivotal point, and means operated by the door and engaging and operating one of the bars, the remaining



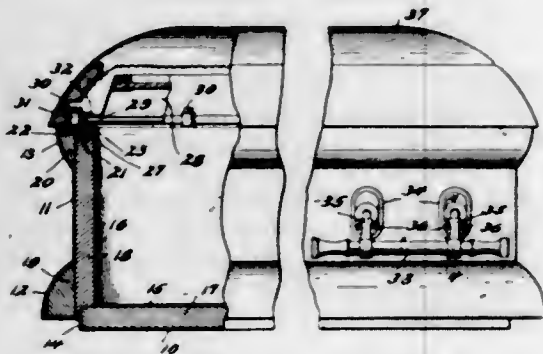
bar simultaneously moving to position for engagement by said means last named upon the further operation of the door.

1,742,129. COTTON-CLEANER BEATER SHAFT. JOHN B. BRENNEN, Atlanta, Ga. Filed Jan. 21, 1929. Serial No. 334,000. 1 Claim. (Cl. 19-85.)



A beater shaft for a cotton cleaner having longitudinal rows of straight blades thereon, the outer end of each blade being corrugated, with the corrugations extending longitudinally of the blade and said corrugations giving the blade a zigzag shape in cross section.

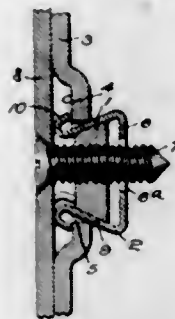
1,742,130. BURIAL CASKET. JOHN E. CARLSON, Atlanta, Ga., assignor to Atlanta Casket Company, Atlanta, Ga., a Corporation of Georgia. Filed July 13, 1922. Serial No. 574,714. 5 Claims. (Cl. 27-5.)



1. A burial casket comprising in combination an open top chamber composed of inner and outer self supporting sheet metal walls and a continuous wooden filling between them, the inner walls extending above the upper end of the adjacent portion of the wood for a predetermined distance and there folded on itself outwardly down to the upwardly facing end of said wood, then outwardly on said end a short distance and then upwardly forming a chan-

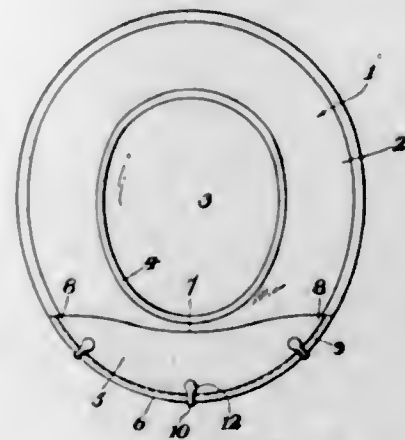
nel adapted to receive resilient packing, the upper edges of the outer walls of the casket being connected to the edges of the inner walls on the outer sides of said channels, to totally enclose the wood, said wood serving to retain fastening means for handles and the like, leaving the inner lining imperforate.

1,742,131. NUT AND SCREW FASTENING. FRED S. CARR, Newton, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, a Corporation of Massachusetts. Filed July 22, 1925. Serial No. 45,264. 4 Claims. (Cl. 85-1.)



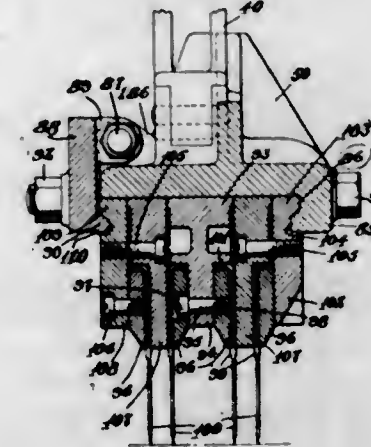
4. A fastening installation comprising, in combination, a support presenting a non-circular aperture, a cup-shaped nut-holder slotted to provide a plurality of resilient fingers, said fingers being snapped into the aperture in the support and a nut substantially encircled by said fingers and held in position by said nut-holder, the wall surrounding the aperture in the support, the nut-holder, and the nut each being provided with cooperating flat sides to provide interengaging means which prevent relative turning between said parts.

1,742,132. ATTACHMENT FOR HATS OR CAPS. ING CHAMBERLIN, St. Louis, Mo., assignor of thirty per cent to William Katz and thirty per cent to Aaron Kuriansky, St. Louis, Mo. Filed Dec. 27, 1928. Serial No. 328,717. 2 Claims. (Cl. 2-10.)



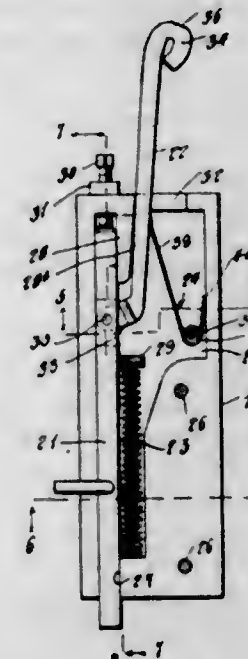
2. A hat attachment comprising, a light ray absorbing element for positioning against the brim of a hat and having an arcuate edge conforming in contour to a portion of the brim, a binder for said arcuate edge, and a plurality of clips for securing said element in position, each of said clips comprising a pair of end portions to respectively bear against the upper surface of the brim and the lower surface of said element, and an intermediate portion connecting said end portions and bearing against the outer edge of the brim and further bearing against the outer and inner edges and lower face of said binder.

1,742,133. NEEDLING MACHINE. CHARLES H. CHASE, Stoneham, Mass., assignor to Caro Cloth Corporation, Carolina, R. I., a Corporation of Delaware. Filed Aug. 8, 1928. Serial No. 298,230. 3 Claims. (Cl. 28-4.)



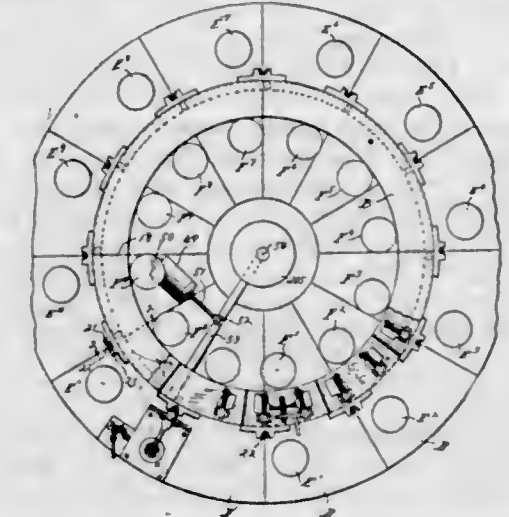
1. In an improved needling machine of the kind described, the combination of a central plate, a needle spacing plate thereon, a needle bank unit, and means for attaching said unit to said central plate.

1,742,134. FEELER MECHANISM FOR MAGAZINE LOOMS. WILLIAM H. CONKLE, Phoenix City, Ala. Filed Apr. 12, 1928. Serial No. 269,547. 1 Claim. (Cl. 189-286.)



In a feeler mechanism for looms, a bracket having a hollow section, a slide member carried by the section at one side thereof, said section having a portion abutted by said slide member, said slide member being of substantially the length of the section and extending forwardly beyond the same, the section having a shoulder adjacent the slide and the latter having a lug, an expansive spring arranged in the hollow portion and engaging said lug and shoulder, a feeler pivoted to the slide member within the bracket and extending rearwardly beyond the bracket, and being adapted to move angularly with respect to the slide member when the yarn on the bobbin becomes exhausted, means yieldingly holding the feeler against angular movement with respect to the slide member, a lug integral with said section extending inwardly from the rear wall thereof and being in contact with the rear portion of the slide, said feeler being in contact with the last mentioned lug, and means for operating the slide member and adapted to operate the replenishing mechanism of the loom when the feeler moves angularly with respect to the slide member.

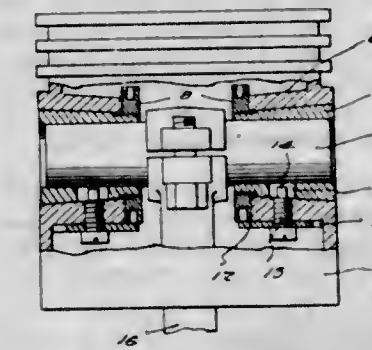
1,742,135. TURRET MACHINE FOR METAL WORKING. CHAUNCEY A. CORNELL, Detroit, Mich. Filed Sept. 11, 1925. Serial No. 55,858. 23 Claims. (Cl. 29-38.)



1. A device for working metal comprising a work holder movable in a predetermined path, means for securing a plurality of pieces of work on said holder, a plurality of machines, means for indexing the work holder to move the said pieces of work to successive positions for being operated on by said machines, means for holding the work holder relatively stationary for a predetermined length of time at the points of indexing, said machines being adapted to operate upon the work during the said stationary movements of the work holder, means for rendering each machine inoperative upon completion of its operation, and means actuable upon completion of the operation of each machine for indicating the inoperative state of the respective machines.

12. A device for working metal comprising a work holder movable in a predetermined path, means for securing a plurality of pieces of work on said holder, plurality of individual machines mounted in spaced relation adjacent to said work holder, means for indexing the work holder to move said pieces of work to successive positions for being operated on by said machines, means for locking said work holder in said successive positions, means for causing said machines to become operative simultaneously, and a common control member for said indexing means, locking means, and controlling means including a valve adapted in one position to unlock the work carrier and in another position to lock the work holder, a valve adapted in one position to index the work holder and in another position to return the indexing mechanism, a contact member for causing the machines to become operative, and a rotatable disc having an operating handle, said disc carrying a member engageable with said valves by rotation of the disc, and a member carried by said disc engageable with said machine operating contact upon completion of the indexing and locking operations.

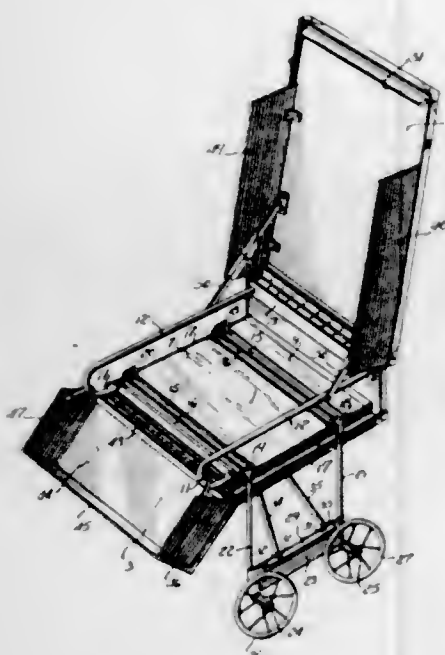
1,742,136. WEAR-COMPENSATING PISTON. EDGAR H. COWAN, Marion, Ohio. Filed Dec. 20, 1928. Serial No. 827,326. 2 Claims. (Cl. 74-108.)



1. In a structure of the class described, in combination with a piston comprising a hollow cylindrical body having

diametrically opposite inwardly extending and inwardly tapered bearings, of duplicate longitudinally slitted bushings fitted in said bearings and tapered for cooperation with the tapered surfaces of the bearings, the inner ends of said bushings being screw threaded and extending beyond the corresponding ends of said bearings, adjusting nuts carried by said screw threaded ends and engageable with the inner ends of said bearings, said bushings being formed with longitudinal keeper slots, said bearings being formed with grooves, retaining plates fitted in said grooves, and retaining screws for said plates carried by the bearings and having reduced extensions on their ends extending into said keeper slots, the inner ends of said plates extending beyond the corresponding ends of said bearings and being engageable with the peripheral portions of the nuts to prevent accidental turning of the nuts.

1,742,137. COLLAPSIBLE GOCART. DANIEL J. DE GRASSE, New York, N. Y. Filed Oct. 6, 1928. Serial No. 310,761. 4 Claims. (Cl. 280-37.)

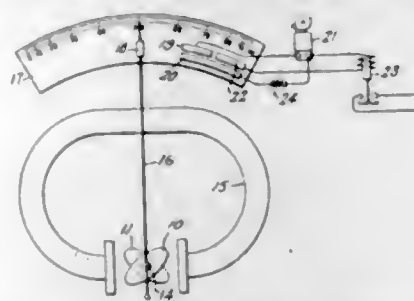


1. A collapsible go-cart, comprising a foldable body when folded presenting a rectangular enclosure, said body when unfolded forming the bottom of a cart, a back to the cart and a foot-piece to the cart, hinge members for connecting said parts together, a plurality of pairs of wheels, a frame for each pair of wheels, each of said frames having a pair of rods formed with apertured hook-shaped ends, a bar extending through the aperture in each of said ends, said bars being connected to the top surface of said bottom and extending transversely thereof for slidably and swingably connecting said frames with said bottom, said apertured ends being so formed that the frames and wheels may be swung to a position substantially parallel with the bottom and then slid to a position over the bottom when the parts are folded and slid and swung to a position so that the frames will extend at right angles to the bottom when unfolded, and means for locking the frames in an unfolded position.

1,742,138. TEMPERATURE-RESPONSIVE DEVICE. HAROLD T. FAUS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 28, 1924. Serial No. 752,744. 9 Claims. (Cl. 73-32.)

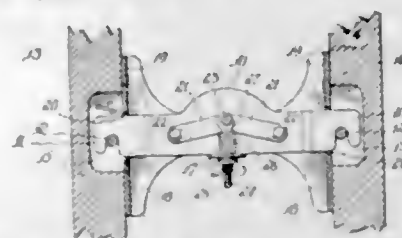
1. A temperature responsive device comprising means forming a magnetic circuit and having magnetic sections of different temperature coefficients of permeability connected in parallel in said magnetic circuit, said circuit

including a movable armature member which is free to assume a position of least reluctance in said circuit, the magnetic sections having different temperature coefficients



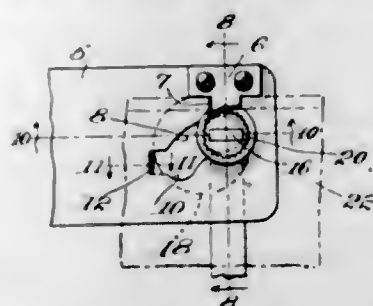
of permeability and being relatively positioned to cause said armature to assume different positions at different temperatures.

1,742,139. CONNECTER FOR BED SECTIONS. MARTIN FOX, Chicago, Ill., assignor to The Seng Company, Chicago, Ill. Filed Sept. 12, 1928. Serial No. 305,505. 9 Claims. (Cl. 5-287.)



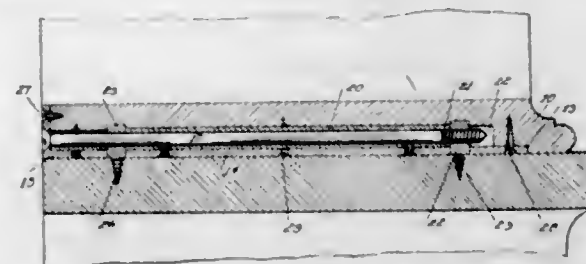
1. A connector for bed sections comprising a rail in the form of a spacing plate engaging at opposite ends the fastening members on said bed sections and having spaced apart slots therein, vertical clamping plates slidable on said rail against one side thereof and connected thereto by pins passing through the aforesaid slots, laterally projecting flanges at the outer edges of said clamping plates adapted to engage the bed sections and having vertical openings through which the ends of the plate forming the rail pass; together with means for adjusting said clamping plates with respect to the bed sections.

1,742,140. CAN OPENER. EDWARD L. GIRARD and FRED F. GIRARD, Washingtonville, Ohio. Filed Oct. 17, 1928. Serial No. 313,140. 1 Claim. (Cl. 30-3.)



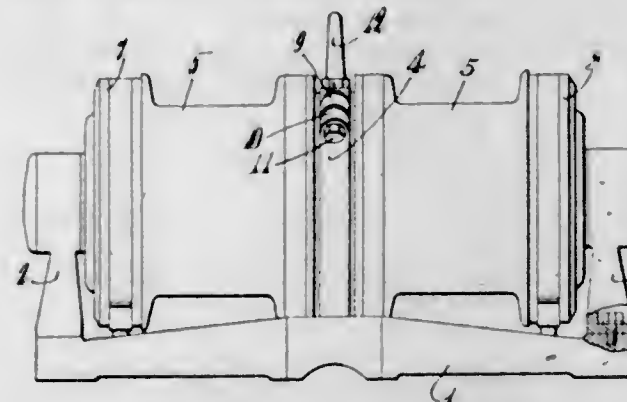
A fixed bracket plate having spaced pairs of ears on the outer face thereof, one pair being spaced a greater distance away from each other than the other, a plate having an angle end received between the ears, said plate having an upwardly curved opening therethrough whose end walls are rounded, a cutter above the outer portion of the opening and spaced from the plate, said plate, on its face opposite that provided with the cutter having a lug in a line with the lower end wall of the opening, a handle having an offset end received through the opening, a flanged toothed wheel fixed on the handle and contacting with the side of the plate provided with the cutter but arranged inwardly of the plate with respect to the cutter, a roller on the plate for engaging the walls provided by the opening and a disc eccentrically fixed on the handle and contacting the second face of the plate and having its periphery contacted by the lug, as and for the purpose set forth.

1,742,141. FASTENING DEVICE. PATRICK HICKS, North Cambridge, Mass. Filed Sept. 26, 1928, Serial No. 308,509. Renewed Nov. 9, 1929. 2 Claims. (Cl. 312-111.)



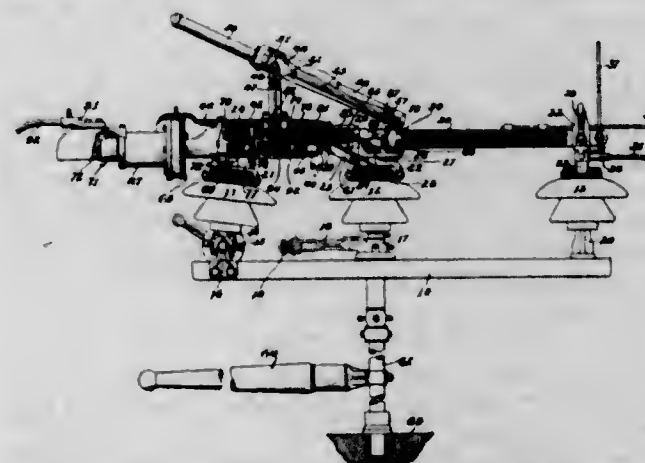
1. In a fastening device for furniture, a plate having openings therein and including an upstanding end portion provided with an aperture, a tubular member mounted on the plate, and threaded apertured elements adapted to pass through the openings of the plate adjacent to the ends of the tubular member, and a longitudinal screw passing through the tubular member and through said elements at the ends of the tubular member.

1,742,142. HOISTING MECHANISM. WIEBE S. HOFSTRA, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 31, 1924. Serial No. 716,869. 4 Claims. (Cl. 254-184.)



1. In a hoist, a plurality of supporting members comprising a standard so formed as to provide a journal and a standard so formed as to provide separable branches constituting a split clamp, a base carrying said plurality of supporting members, a motor casing held within said clamp, and a drum rotatably supported on said casing and said journal.

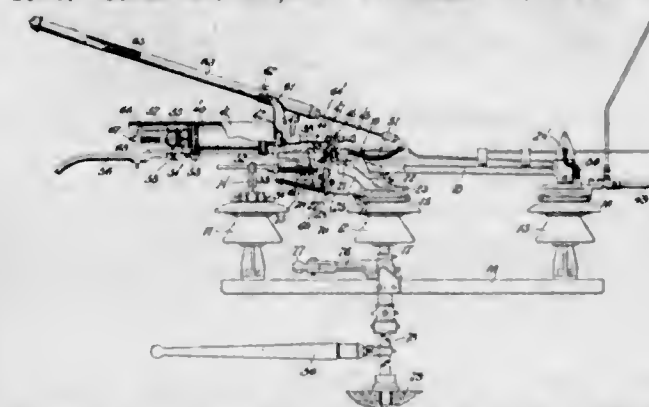
1,742,143. DISCONNECTING AIR-BREAK SWITCH. TOMLINSON F. JOHNSON, Jr., Atlanta, Ga. Filed June 4, 1925. Serial No. 34,879. 33 Claims. (Cl. 200-107.)



1. A disconnecting air break switch for high tension transmission lines comprising, in combination, a pivoted switch blade, jaws with which the blade is adapted to contact, insulators supporting said jaws and blade, said blade

having a heel portion extending beyond its pivot, slidable means normally engaging said heel portion to positively hold the blade in contact with the jaws, means operable by an excessive current to retract the first-mentioned means and release the blade, and means for automatically opening said blade as soon as it is released.

1,742,144. DISCONNECTING AIR-BREAK SWITCH. TOMLINSON F. JOHNSON, Jr., Atlanta, Ga. Filed Dec. 20, 1926. Serial No. 156,009. 31 Claims. (Cl. 200-107.)



1. The combination with a switch blade and jaws cooperating therewith, of a solenoid coil through which the current normally passes, a plunger reciprocable within said coil, means actuated by the movement of the plunger, when subjected to a predetermined overload, to cause the switch blade to open, and means cooperating with the plunger for establishing a short circuit past the coil as soon as the plunger has been so moved, whereby to prevent injury to the coil in case the switch fails to open under such conditions.

1,742,145. ARTICLE MADE OF FABRIC. WILLIAM HOFFMAN KOBBE, New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex., a Corporation of Texas. Original application filed Dec. 14, 1925, Serial No. 75,437. Divided and this application filed Aug. 13, 1926. Serial No. 129,086. 4 Claims. (Cl. 154-2.)



2. The method of making multi-ply fabric which comprises impregnating at least two layers of sheet material substantially entirely therethrough with sulfur, causing said layers to contact with each other while the sulfur contained therein is in a molten state and maintaining said impregnated sheets in contact with each other until the sulfur contained therein solidifies and crystallizes.

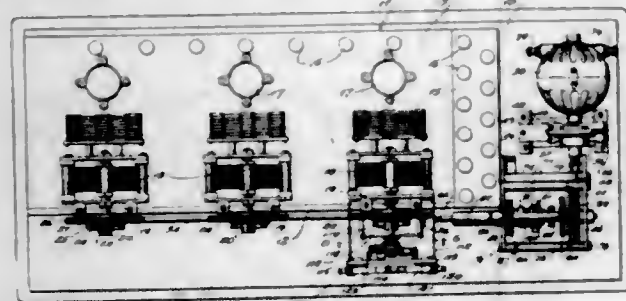
1,742,146. METHOD FOR VARNISHING LEATHER AND LIKE MATERIAL. JEAN PAISSEAU, Paris, France. Filed Oct. 19, 1925, Serial No. 63,569, and in France July 23, 1925. 6 Claims. (Cl. 91-68.)

1. A process for the varnishing of leathers and like substances, consisting in superficially gelatinizing the leather by the action of a suitable acid and in then covering this surface thus modified with a cellulosic varnish.

1,742,147. DISTANT CONTROL FOR RADIO APPARATUS. FREDERICK W. RENWICK, Camden, N. J., assignor of three-eighths to John S. Latta and one-fourth to Frederick O. Pinkerton, Philadelphia, Pa. Filed Sept. 30, 1926. Serial No. 138,791. 16 Claims. (Cl. 250-40.)

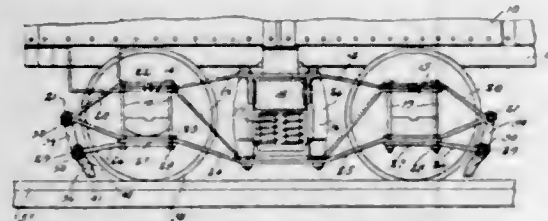
1. In a distant control apparatus for a radio receiving set including a tuning element having a member movable

to control the tuning of the set to desired wave lengths, an electric motor, an operative connection between the movable tuning member and said motor including a change-speed gearing, a remote control device for said motor and



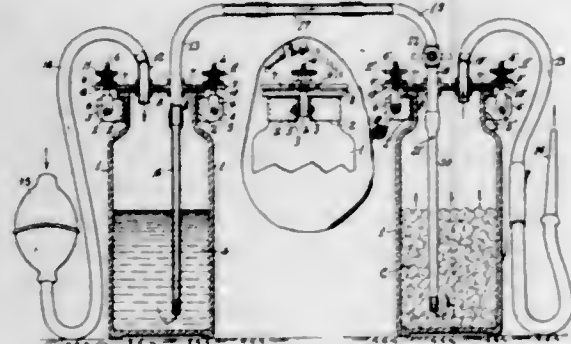
said change-speed gearing, electrical means associated with the remote control device for indicating the position of said movable member, and other electrical means controlling the last mentioned means and operatively connected to said movable member.

1,742,148. RAILWAY WHEEL PILOT. EARL E. RITENOUR, Alliance, Nebr. Filed May 8, 1929. Serial No. 381,508. 3 Claims. (Cl. 293—58.)



1. A pilot or guard for the wheels of railroad cars comprising a strong metal member extending from the car frame in front of each wheel, down to the track, spaced therefrom, said member having eyes in its upper end and center, pins extending through said eyes and having threaded ends to receive fastening nuts, and connections between said pins and the car frame.

1,742,149. FUMIGATING APPARATUS. HUGO ROBERTS, Habana, Cuba. Filed Oct. 5, 1925, Serial No. 60,660, and in Cuba Mar. 20, 1925. 1 Claim. (Cl. 23—282.)

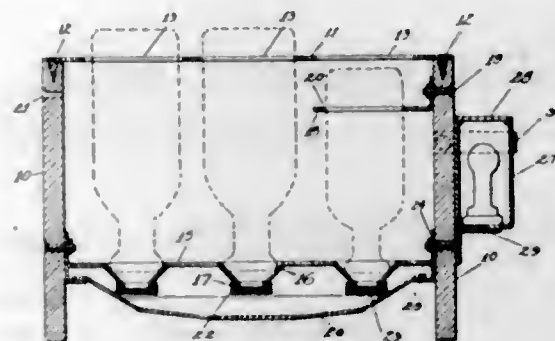


Fumigating apparatus comprising a pair of containers each having a detachable closure, a duct connecting said receptacles, said duct being provided with a valve and extending through and being carried by said closures and including an arm extending downwardly to near the bottom of each receptacle, means for injecting a liquid into one of the receptacles and including a duct extending through and carried by the closure of said receptacle and a discharge duct carried by and extending through the closure of the other receptacle.

1,742,150. SANITARY BOTTLE RACK. RICHARD B. ROLLINS, Chicago, Ill. Filed Nov. 9, 1928. Serial No. 318,258. 3 Claims. (Cl. 141—11.)

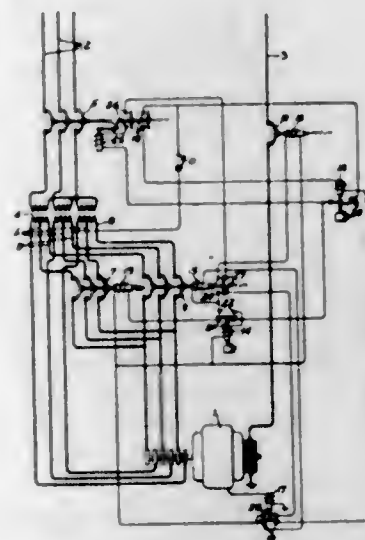
1. In a bottle rack, end members, a horizontally disposed plate having spaced bottle receiving openings there-

in and connecting the end members, a bottle supporting plate spaced below the first mentioned plate and also connecting the end members, said supporting plate having depressions therein arranged in vertical axial alignment with



the openings of said first mentioned plate to receive and be engaged by the mouth of a bottle, said depressions having openings in their bottoms, guides extending downwardly from the supporting plate, and a drip pan removably and slidably engaging the guides.

1,742,151. AUTOMATIC CONTROL SYSTEM. HAROLD T. SEELEY, Lansdowne, Pa., assignor to General Electric Company, a Corporation of New York. Filed Aug. 6, 1928. Serial No. 297,816. 8 Claims. (Cl. 171—118.)

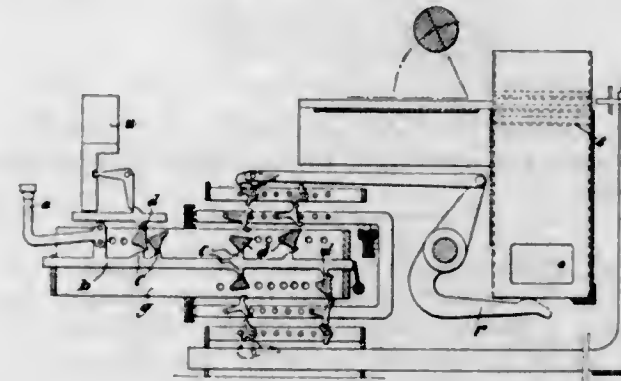


2. In combination, a dynamo electric machine, a load circuit, a relay connected between the frame of said machine and ground, means controlled by said relay for effecting the shutting down of said machine and the automatic restarting thereof when the current through said relay exceeds a predetermined value under predetermined conditions of said machine and for effecting the shutting down of said machine and for preventing an automatic restart thereof when the current through said relay exceeds a predetermined value under other predetermined conditions of said machine.

1,742,152. KEYBOARD FOR TYPEWRITING MACHINES, TYPESETTING MACHINES, OR THE LIKE. WERNER SCHÄFFER, Laupen, near Bern, Switzerland, assignor to Chocolat Tobler Holding Co. Aktiengesellschaft, Schaffhausen, Switzerland, a Firm. Filed May 4, 1926, Serial No. 106,667, and in Germany May 6, 1925. 28 Claims. (Cl. 101—93.)

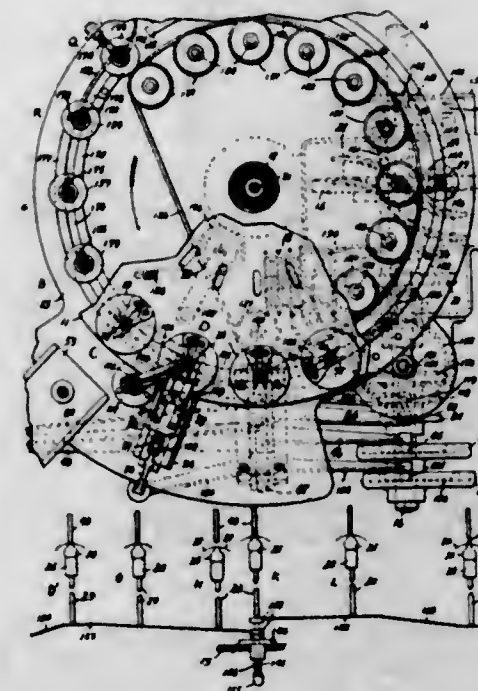
1. In a machine of the character described, a plurality of longitudinally movable parts, a movable member ar-

ranged transversely to the said parts, and means for changing the position of the said member relatively to the



said parts, the said member being adapted to be actuated in its different positions relatively to the said parts by different ones of the said parts.

1,742,153. SEALING MACHINE FOR INCANDESCENT LAMPS AND SIMILAR ARTICLES. WILLIAM H. STILES, PAUL F. WAGNER, and JOHN F. DONOVAN, Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed May 23, 1925. Serial No. 32,470. 8 Claims. (Cl. 176—3.)

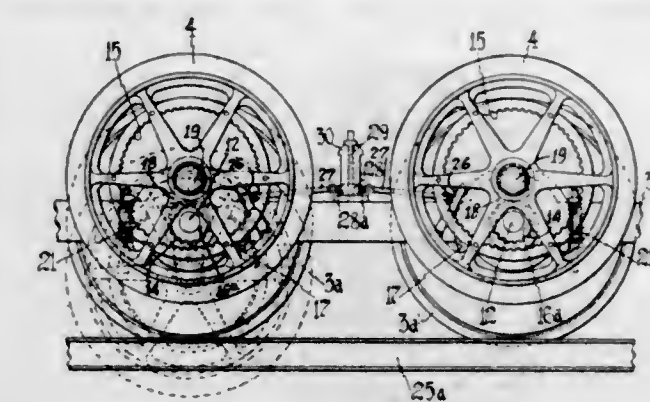


1. In a butt-sealing machine, the combination of a movable carrier, a tube holder carried thereby comprising tube gripping members, a bulb holder also carried thereby and disposed below said tube holder comprising a cup for receiving the bowl portion of said bulb leaving the open-ended neck thereof uppermost and substantially aligned with said tube, a movable contacting member disposed adjacent the path of travel of the top of said tube, means for moving said carrier to bring said tube into registry with said contacting member and means actuated in definite time relation with the movement of said carrier for forcing said contacting member against the top of said tube to cause the latter to contact with the open end of said bulb neck.

1,742,154. TRANSPORT VEHICLE. VERNON ALFRED ALEXANDER VERNON, Wellington, New Zealand. Filed Jan. 12, 1929, Serial No. 332,071, and in New Zealand Oct. 24, 1928. 6 Claims. (Cl. 106—215.)

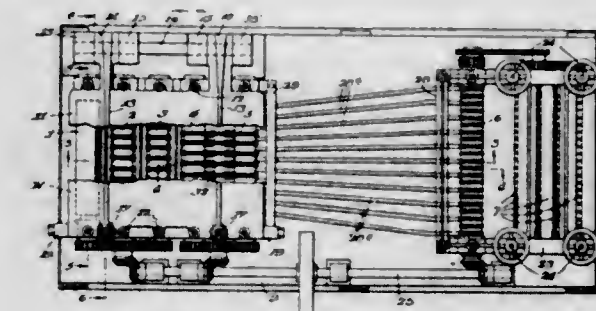
1. In a transport vehicle having wheels capable of being raised and lowered upon turning a worm wheel, means

for locking the latter comprising a pivoted locking piece toothed to fit in the thread of the worm wheel; a nut



threaded on a screw held against end movement; a connecting rod between said locking piece, and said nut, and means for imparting turning movement to said screw.

1,742,155. MANUFACTURE OF EXPANDED METAL. GEORGE W. BAKER, Chicago, Ill., and JAMES H. DEAN, Ludington, Mich., assignors to Northwestern Expanded Metal Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1926, Serial No. 91,564. 27 Claims. (Cl. 164—6.6.)



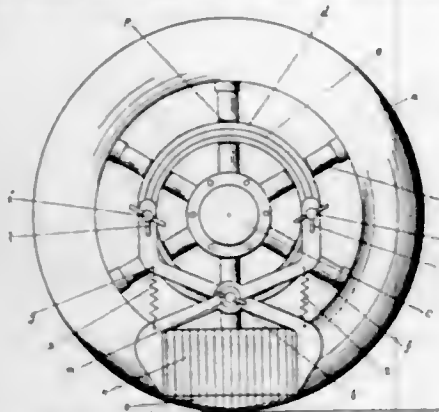
1. The method of expanding metal sheets slitted in longitudinal panels disposed between unslitted strips and having rows of staggered slits oppositely inclined in adjacent panels, which consists in longitudinally beading the marginal and the alternate unslitted strips of the sheet, then, while maintaining the beaded strips in the original plane of the sheet, progressively deflecting the intermediate unslitted strips and the slitted panels from such plane to transversely incline and expand the panels, and then, and while maintaining the intermediate unslitted strips free from pressure, laterally spreading the initially beaded strips to flatten the sheet, substantially as described.

27. The method of forming expanded metal lath from sheets slitted in narrow, longitudinal panels to form rows of strands and staggered connecting bonds oppositely inclined in adjacent panels, which consists in continuously advancing the sheet and progressively deflecting the side edges of each panel to expand the same by bending and without stretching the strands thereof, bringing the edge portions of the unslitted strips into a common plane and finally rolling the sheets to partially flatten the bonds and strands of the expanded panels without reducing the widths thereof and to force the end portions of the diagonal strands of the panels substantially into the common plane of the edge portions of the unslitted strips.

1,742,156. MUDGUARD FOR VEHICLES. GEORGE BRANDAU, Bremen, Germany. Filed Dec. 8, 1928, Serial No. 323,451, and in Germany Jan. 3, 1928. 2 Claims. (Cl. 280—156.)

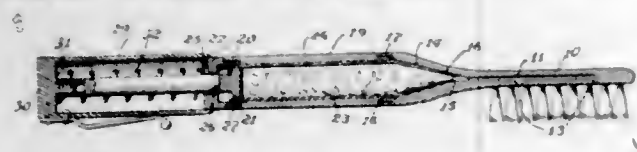
1. A mudguard for vehicle wheels, including arms pivotally connected for relative movement, means whereby

one end of each of the arms is adjustably connected to the wheel, an extensible and flexible guard arranged intermediate and connected to the remaining ends of the



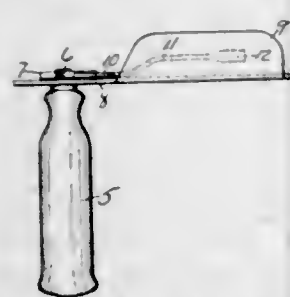
respective arms, and a spring intermediate the guard connected end of each arm and the vehicle connected end of the other arm.

1,742,157. DISPENSING DEVICE. THOMAS CHRISTIAN, Chicago, Ill. Filed Feb. 14, 1927. Serial No. 168,140. 2 Claims. (Cl. 221-78.)



1. A device for ejecting tooth paste from a tube including a magazine for removably housing the tube and provided with a restricted discharge opening at one end thereof and having its opposite end open, a removable plug closing the open end and provided with a centrally located opening, a piston operable in the tube, a plunger carrying the piston and slidable through the opening of the plug, a cap slidably associated with the magazine for telescopic movement with respect to said magazine, means detachably connecting the cap to the plunger, and means acting upon said cap for moving the cap in a direction to dispose the piston at the end of the tube opposite the discharge opening of the tube.

1,742,158. TOY. JOHN A. OTTERBEIN, Middletown, Conn., assignor to The Kirby Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed May 31, 1929. Serial No. 367,528. 2 Claims. (Cl. 46-48.)



1. A toy including a handle, a base rotatably mounted on the handle, a scape wheel secured to the handle, a pallet pivotally mounted on the base, a hammer carried by said pallet, and means on the base to receive the blows of said hammer.

1,742,159. ELECTRIC HEATING SYSTEM. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a Corporation of New York. Original application filed Mar. 11, 1922. Serial No. 543,078. Divided and this application filed Feb. 17, 1928. Serial No. 255,061. 6 Claims. (Cl. 219-19.)

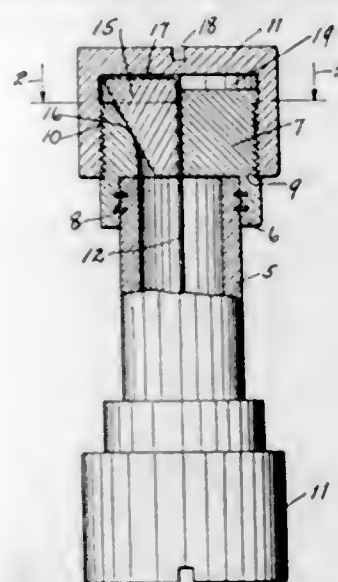
1. A floor heating system comprising a floor supporting means, a compartment-floor of cement or similar material

having heating ducts therein, heat insulation interposed between said floor and said floor supporting means, and a



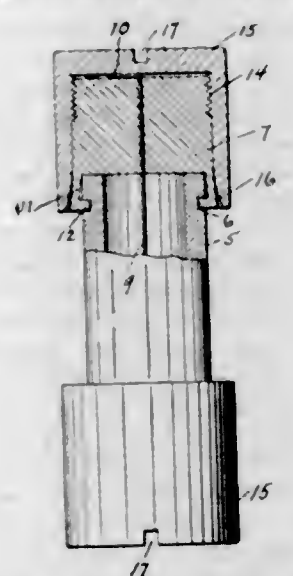
metallic stiffener for said compartment-floor positioned to strengthen that portion of the floor through which the ducts pass.

1,742,160. ELECTRICAL CONNECTER. GEORGE A. GILLEN, New York, N. Y., assignor to Great Western Fuse Co. Inc., a Corporation of Delaware. Filed June 16, 1926. Serial No. 116,297. 1 Claim. (Cl. 200-132.)



A fuse of the class described comprising a shell, a solid body having a socket portion adapted for permanent connection to the outside of said shell, said body having a semi-circular cut out portion providing a vertical inner face and a curved beveled outer face where said cut out portion is cut by a longitudinal plane passing through the axis of the fuse, a semi-circular clamping wedge having an inner face cooperating with the solid body for clamping a conductor therebetween and a threaded cap connected to the outside of the solid body for simultaneously forcing the wedge into clamping position and lock the terminal of said conductor between the top of the wedge and the inner surface of said threaded cap.

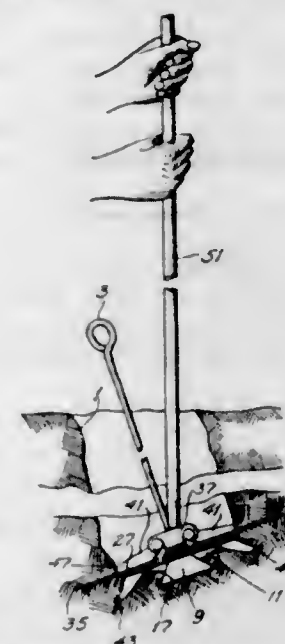
1,742,161. ELECTRICAL CONNECTER. GEORGE A. GILLEN, New York, N. Y., assignor to Great Western Fuse Co. Inc., a Corporation of Delaware. Filed June 16, 1926. Serial No. 116,298. 7 Claims. (Cl. 200-132.)



1. A fuse of the class described comprising a shell having grooves adjacent one end, a single contractile

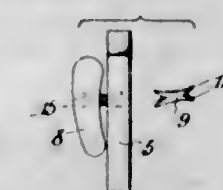
conductor clamping element connected to said shell exteriorly thereof and means for simultaneously clamping a conductor passing through the body of the element and locking a portion of said element within the grooves of the shell.

1,742,162. ANCHOR. THEODORE BIRKENMAIER, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 25, 1927. Serial No. 186,254. 7 Claims. (Cl. 189-92.)



7. The anchor comprising a body, movable flukes cooperating therewith having openings therein, a camming lug formed beneath the body having oppositely disposed camming surfaces, radial slots in the body opposite said surfaces, a head formed above the body adapted to permit application of said flukes in a non-operating position and to prevent removal of said flukes in their operating position, said head functioning as a guide for the flukes in their operating position, notches in the flukes opposite said radial slots, a toggle linkage comprising a wrist pin and toggle links, said links having means cooperating with said camming surfaces and said notches, whereby the flukes may be cammed apart and having means adapted to cooperate in toggle fashion with the flukes when the camming action has ceased, whereby a toggle action is obtained, said toggle links cooperating with said radial slots and said fluke notches to guide the flukes in a radial manner.

1,742,163. OPHTHALMIC MOUNTING. ARTHUR M. LEVY, Brooklyn, N. Y., assignor to Superlaid Manufacturing Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 9, 1929. Serial No. 353,773. 4 Claims. (Cl. 88-49.)



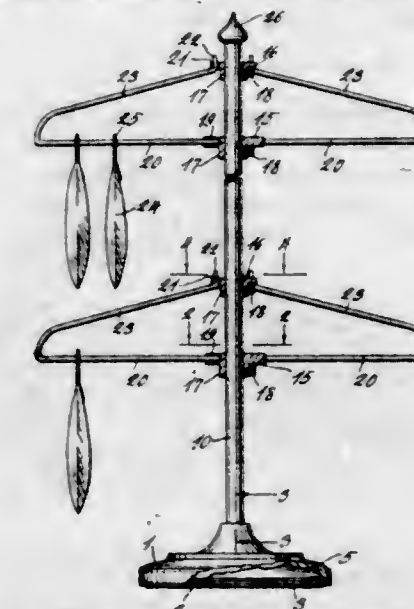
1. In an ophthalmic mounting, lens rings formed of non-metallic material, nose grips formed of non-metallic material, a connector formed of pliable metal uniting each nose grip with its respective lens ring, and the ends of said connectors engaged in said lens rings and grips respectively.

1,742,164. DISPLAY DEVICE. RAYMOND O. BERKE, Denver, Colo. Filed May 14, 1928. Serial No. 277,433. 3 Claims. (Cl. 211-154.)

1. A display device comprising, a base, a supporting standard secured to the base and extending vertically therefrom, said standard being provided with a spool hav-

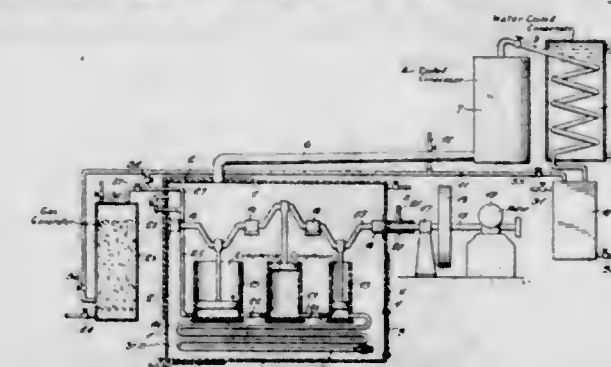
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ing a pair of vertically spaced outwardly extending flanges, the lower flange of each pair having a plurality of radial openings, the upper flange having a corresponding number of correspondingly placed openings extending through the flange in the direction of its axis, and a removable



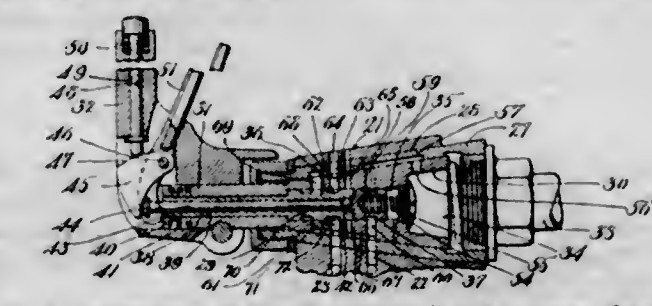
supporting device comprising a substantially V-shaped member one side of which is substantially straight and has its end adapted to be inserted into one of the radial openings and having its other side bent and adapted to be inserted into the corresponding transverse opening in the other flange.

1,742,165. METHOD FOR OBTAINING HYDROCARBONS OF LOW BOILING POINTS FROM HYDROCARBONS OF HIGH BOILING POINTS. PAUL DANCKWARDT, La Junta, Colo.; Harriett Danckwardt administratrix of said Paul Danckwardt, deceased. Filed Apr. 23, 1927. Serial No. 185,949. 5 Claims. (Cl. 196-66.)



1. In the heating of oil by an apparatus comprising a still adapted to contain a body of oil and a plurality of compressors connected in series and located within the oil, a process which consists in compressing fixed hydrogen containing gas and oil vapors in successive stages to such a pressure that the oil within the still will boil.

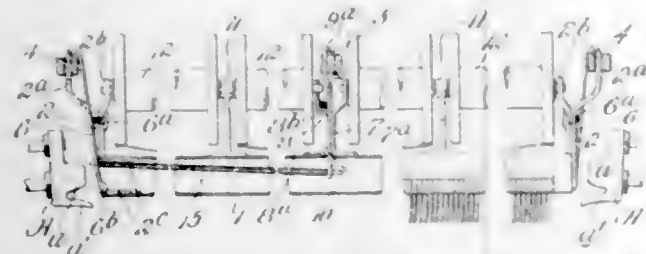
1,742,166. DRILLING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 13, 1924. Serial No. 699,114. Renewed Jan. 13, 1928. 24 Claims. (Cl. 121-9.)



1. A drilling mechanism comprising a motor, forward and reverse positive feeding means therefor, a main con-

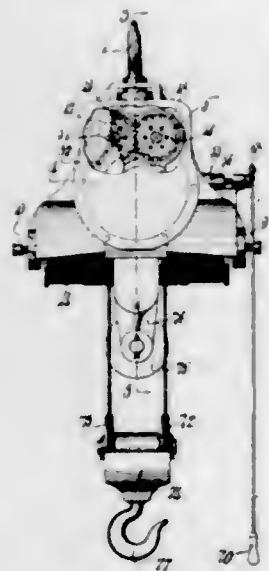
trol valve including means for controlling both said motor and said feeding means, and auxiliary valve means comprising relatively movable valves having separate manual operating means for simultaneously controlling both of said feeding means or for controlling one of said feeding means independently of the other.

1,742,167. AXMINSTER LOOM. EDGAR F. HATHAWAY, Wellesley, and WALTER BIXBY, Boston, Mass., assignors to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 4, 1926. Serial No. 133,592. 10 Claims. (Cl. 139—10.)



1. In a loom for tuft weaving, the combination with tube frame carrier mechanism embracing three carrier chains arranged to travel in parallelism, of a tube frame embracing a carrier bar having means for positioning a row of tuft yarns, suspension members fulcrumed at the end and intermediate portions of the carrier bar to releasably engage corresponding carrier chains, and transfer means embracing transfer members movable inward longitudinally of the tube frame to form gripping engagement with the opposite ends of the tube frame and by such movement simultaneously release the suspension members from their respective carrier chains.

1,742,168. HOISTING MECHANISM. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 24, 1922, Serial No. 576,917. Renewed Dec. 10, 1927. 26 Claims. (Cl. 254—168.)

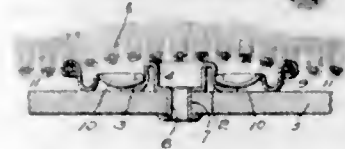


1. In a hoisting mechanism, a rotatable drum, a driving motor therefor having a pair of oppositely rotating power generating rotors, and means for selectively driving said drum by one rotor from one end of said motor or by the other rotor from the other end of the motor, thereby to drive said drum in opposite directions.

1,742,169. FASTENER. WALTER H. PIERCE, Watertown, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1924. Serial No. 750,597. 1 Claim. (Cl. 16—4.)

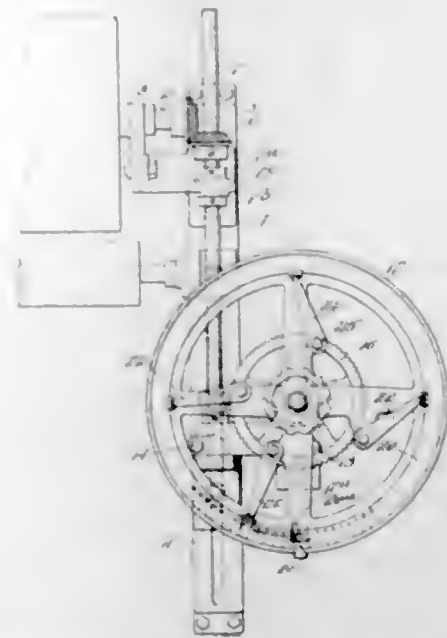
A fastener stud installation comprising, in combination, a relatively thin rigid supporting structure having

a pre-formed hole therethrough, a one-piece snap fastener stud superposed upon said support and having a base seated against one face thereof, a head and a neck extending upwardly from said base, a central depressed cup-shaped portion formed in said head, said cup-shaped



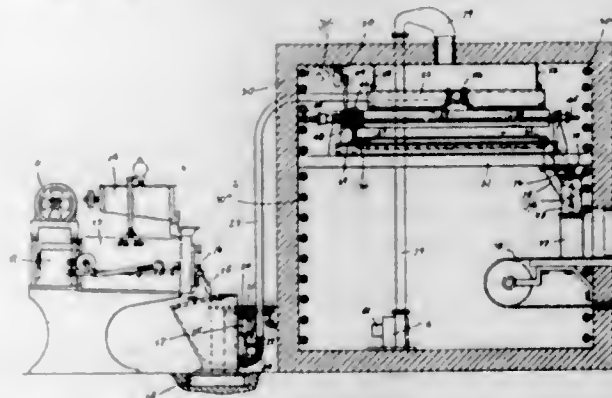
portion having its base seated against said support and an integral tubular rivet extending from the base of said cup-shaped portion through the hole in the supporting structure and having its free end upset against the opposite side of the supporting structure to secure the stud in position.

1,742,170. PERCH CLOCK. CHARLES G. RICHARDSON, Springfield, Vt., assignor to Parks & Woolson Machine Company, Springfield, Vt., a Corporation of Vermont. Filed Apr. 27, 1923. Serial No. 634,959. 12 Claims. (Cl. 235—1.)



1. A dial wheel for a perch clock or the like, embracing in its construction a supporting spider, a contractible flat dial ring mounted thereon and having a laterally inscribed measuring scale and means for concentrically contracting said ring, substantially as described.

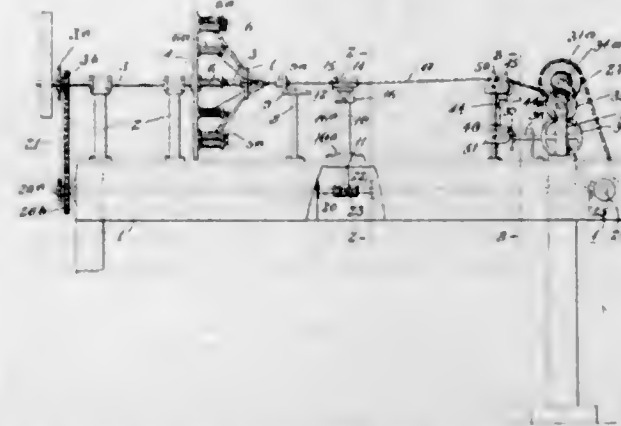
1,742,171. PROCESS OF MANUFACTURING ICE CREAM OR THE LIKE. CLARENCE W. VOGT, Louisville, Ky., assignor to Vogt Instant Freezers, Inc., Louisville, Ky., a Corporation. Original application filed Jan. 18, 1927, Serial No. 161,844. Divided and this application filed Jan. 27, 1928. Serial No. 249,907. 18 Claims. (Cl. 62—174.)



1. The process of freezing a substance of the character described, consisting in first mixing a batch, conducting said mixture by vacuum and spreading the same over a

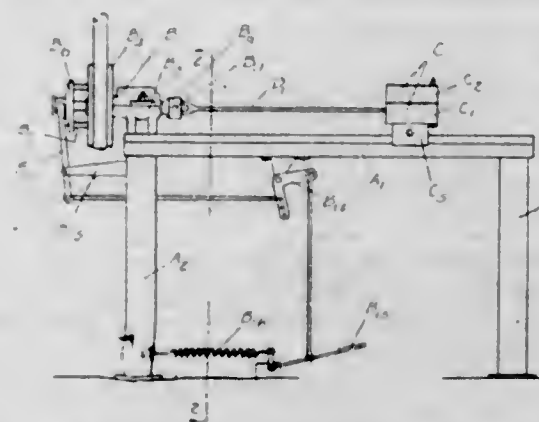
freezing surface maintained at a low degree of temperature, whereby said mixture will be frozen into a substantially solid state, and thereafter removing said solidified mixture from said surface and delivering the same to a suitable container.

1,742,172. CORD-FORMING APPARATUS. LEONARD ATWOOD, Farmington, Me., assignor to National High Pressure Hose Co., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1928. Serial No. 298,932. 7 Claims. (Cl. 117—48.)



1. A machine for producing cord of intertwisted yarn and wire embracing in combination, a revoluble head, a plurality of bobbins of wire and of yarn carried by said head and rotatable about individual axes substantially parallel to the axis of revolution, a strand converging guide-eye arranged at a substantial distance from said head in an axial direction, an intermediate twisting member provided with guide openings for the individual strands of wire and of yarn, said opening being located at radial distances from the axis of revolution substantially less than the radial distances of the bobbins whereby the unwinding strands are partly converged between the head and the twisting member and are caused to travel more nearly in parallelism between the twisting member and said eye, and cord gripping and feeding means located beyond said eye.

1,742,173. MACHINE AND METHOD FOR ASSEMBLING SCREW PARTS OR THE LIKE. CHARLES H. BATES, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Aug. 19, 1927. Serial No. 214,052. 18 Claims. (Cl. 29—84.)

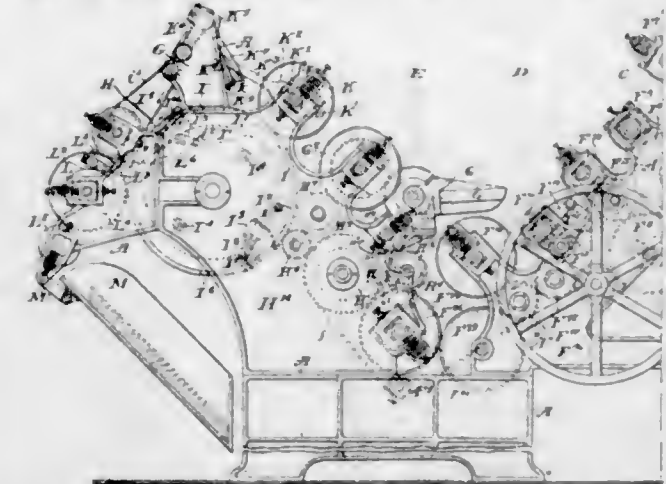


1. In a machine for cooperatively assembling a group of threaded male parts adapted to be screwed into a co-operating group of female parts, a power impelled means serving to impart a limited screwing-up movement to one group of the aforesaid parts, and holder means retaining the other group of parts for thread engagement with the first named group of parts.

17. The method of assembling in a single operation, a plurality of female nut elements upon a single screw-threaded male part consisting in causing releasable impelling means to successively bring said male part into cooperative relation with the plural nut elements, and in

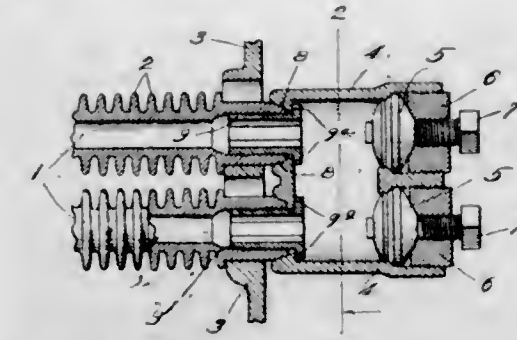
simultaneously advancing said female nut elements on to said male part in non-interfering spaced relationship until the nut elements have assumed a predetermined position on said male part.

1,742,174. PAPER-BAG MACHINE. ALFRED C. COTY and THOMAS EARL COTY, Carthage, N. Y. Filed June 28, 1924. Serial No. 723,031. 13 Claims. (Cl. 93—15.)



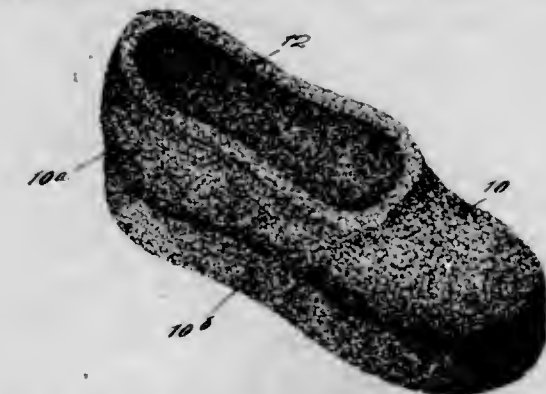
1. In a paper-bag machine, a thumb-knife, a slot-roll co-operating with the knife, means for rotating the knife and roll, means for changing the radius of gyration of the knife and roll, and gearing between the knife and roll automatically maintain the knife and roll in proper register irrespective of the changes in their radii of gyration.

1,742,175. TUBE FITTING. WALTER M. CROSS, Kansas City, Mo. Filed May 12, 1924. Serial No. 712,840. 4 Claims. (Cl. 122—360.)



1. In end fittings for tubes the combination with a closure member enclosing the tube ends of apertures in the closure member into which the tubes are fitted directly, removable cleaning plugs opposite the tube ends, and removable means having threaded engagement with the tubes and adapted to draw the tubes into the apertures in the closure to form pressure tight connections between the closure member and the tube ends.

1,742,176. FOOTWEAR. HENRY CONRAD HERBIG, Roselle Park, N. J., assignor of fifty-five per cent to Nelson Littell, New Canaan, Conn. Filed Aug. 30, 1929. Serial No. 389,341. 3 Claims. (Cl. 36—4.)



1. A shoe having a sole formed of sponge rubber which is of substantially uniform porosity and is provided with

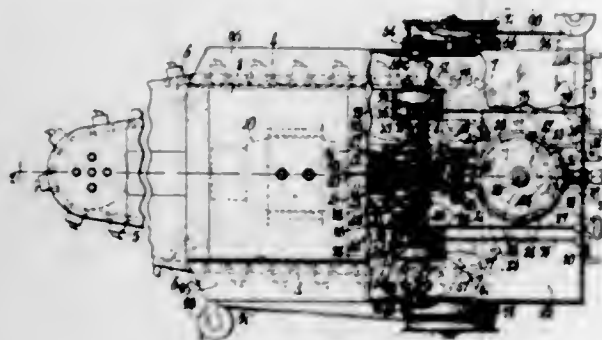
intercommunicating openings extending from the interior to the exterior whereby air and water may freely pass therethrough in both directions.

1,742,177. PERMANENT-WAVING HAIR CURLER. WILBUR S. LEWIS, Cleveland, Ohio, assignor to The Nestle-Le Mur Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 14, 1928. Serial No. 109,077. 5 Claims. (Cl. 132-34.)



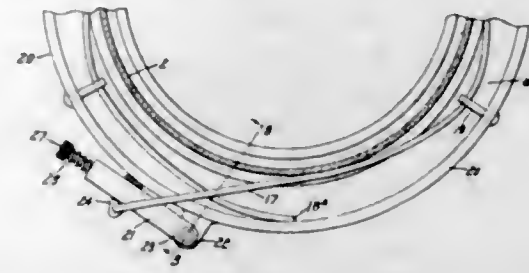
1. A curler comprising a tube element upon which a strand of hair may be wound and tied, a rod element to which the strand is tied, said elements being manually rotatable relatively each to the other, means intermediate the ends of the tube to frictionally resist relative rotation of the elements, and yielding means to restrain relative longitudinal movement of the elements.

1,742,178. MINING MACHINE. LOUIS A. MAXSON, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 11, 1924. Serial No. 692,176. Renewed Nov. 16, 1927. 25 Claims. (Cl. 262-30.)



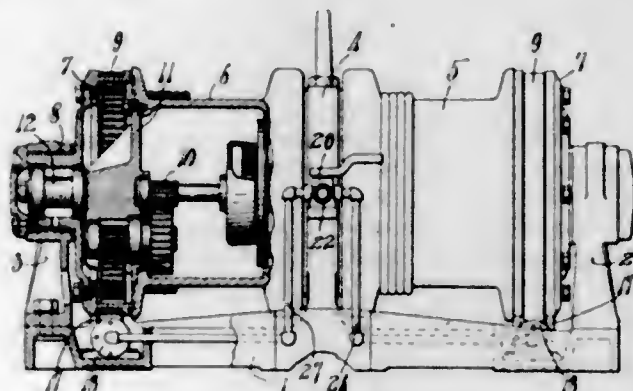
1. In a room and pillar mining machine, a cutter chain, means for guiding the same for circulation in an orbit, and means for driving the same including a motor whose projection on a horizontal plane lies entirely within the projection on such plane of the inner edge of the orbit of the cutter chain, the height of said motor substantially determining the height of the machine.

1,742,179. GLOBE HOLDER. JAMES A. O'NEIL, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 18, 1928. Serial No. 313,320. 8 Claims. (Cl. 240-128.)



1. A globe holder comprising a base, a strap adapted to be looped around the globe for holding the latter in position against the base, one end of said strap being anchored to the base, a terminal secured to the other end of the strap, said terminal being held in engagement with the base, and a lever for clamping said terminal against the base in any position between two points along the outside of the base.

1,742,180. HOISTING MECHANISM. CHARLES F. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 1, 1924. Serial No. 710,324. 12 Claims. (Cl. 254-184.)



1. A haulage mechanism comprising a motor, a plurality of winding drums rotatable independently of said motor, driving connections between the motor and said drums operative to effect rotation in the same direction of each drum without reversal of the motor, said driving connections comprising power transmission connections with the motor individual to each drum and each comprising means for selectively rendering it effective or interrupting power transmission thereby to its respective drum, controlling mechanism individual to each of said last mentioned means operative on supply of actuating medium thereto to actuate its controlled means to effect drum drive, and means for controlling said motor and said controlling mechanisms operative to supply actuating medium to the motor, and to one or another of said controlling mechanisms separately only when actuating medium is flowing to the motor, and having a single controlling member movable to different positions to effect control of said different controlling mechanisms.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

- Acme Brick Company, Danville, Ill. Brick. 264,767-8; Dec. 3; Serial Nos. 284,598-9; published Sept. 17, 1929. Class 12.
- Aktien-Gesellschaft vormals B. Siegfried, Zolingen, Switzerland. Remedy for gonorrhea. 75,951; renewed Nov. 30, 1929. Class 12.
- Altman, B., & Co., New York, N. Y. Silk piece goods. 76,750; renewed Feb. 15, 1930.
- Amalgamated Leather Companies, Inc., Wilmington, Del., Philadelphia, Pa., New York, N. Y., Boston, Mass., Rochester, N. Y., Chicago, Ill., and St. Louis, Mo. Tanned kid skins. 264,652; Dec. 3; Serial No. 286,682; published Sept. 10, 1929. Class 1.
- American Crayon Company, The, Sandusky, Ohio. Plastic modeling materials. 264,687; Dec. 3; Serial No. 286,407; published Sept. 10, 1929. Class 1.
- American Milling Company. (See Peters, Milton C.)
- American Radiator Company, East Orange, N. J.; Chicago, Ill.; New York, N. Y.; Philadelphia, Pa.; Boston, Mass.; London, England; Paris, France; and Berlin, Germany, to American Radiator Company, New York, N. Y. Boilers and heaters. 75,777; renewed Nov. 16, 1929.
- American Sash & Door Company, Kansas City, Mo. Doors, windows, and door and window frames. 264,654; Dec. 3; Serial No. 286,731; published Sept. 10, 1929. Class 12.
- American Writing Paper Company, assignor to American Writing Paper Company, Incorporated, Holyoke, Mass. Writing and printing paper. 77,183; renewed Mar. 15, 1930.
- American Writing Paper Company, assignor to American Writing Paper Company, Incorporated, Holyoke, Mass. Writing and printing paper. 77,215-7; renewed Mar. 22, 1930.
- American Writing Paper Company, assignor to American Writing Paper Company, Incorporated, Holyoke, Mass. Writing and printing paper. 77,362; renewed Apr. 5, 1930.
- Ammon, Charles, Company, Ltd., Alexandria, La. Preparation for the treatment of prickly heat, etc. 264,740; Dec. 3; Serial No. 287,997; published Sept. 10, 1929. Class 6.
- Animal Trap Company of America, Ltd., Pa. Snare. 264,784; Dec. 3; Serial No. 284,026; published Sept. 17, 1929. Class 50.
- Apotela Aktiengesellschaft, Zurich, Switzerland. Medicinal preparation and compresses. 264,710; Dec. 3; Serial No. 285,402; published Sept. 10, 1929. Class 6.
- Armour and Company. (See German American Provision Company, The, assignor.)
- Angstein, S., & Co., New York, N. Y. Sweaters and bathing suits. 264,759; Dec. 3; Serial No. 287,225; published Sept. 17, 1929. Class 39.
- Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Coloring matters. 76,268; renewed Jan. 4, 1930.
- Basedonow, I. M., Inc., New York, N. Y. Ladies' coats. 264,737; Dec. 3; Serial No. 286,414; published Sept. 10, 1929. Class 39.
- Balfour, Arthur, & Company Limited. (See Seeborn & Dickstahl, Ltd.)
- Barnet Leather Co., Inc., Boston, Mass. Leather. 264,684; Dec. 3; Serial No. 286,298; published Sept. 10, 1929. Class 1.
- Bayer Company, Inc., The. (See Farbenfabriken of Elberfeld Company, assignor.)
- Best Made Silk Hosiery Co., Inc., Quakertown, Pa. Hosiery. 264,761; Dec. 3; Serial No. 287,276; published Sept. 10, 1929. Class 39.
- Birney, Mary G., doing business as Mary Churchill, Pelham Manor, N. Y. Astringents, astringent cerates, bleach creams, etc. 264,671; Dec. 3; Serial No. 287,232; published Sept. 10, 1929. Class 6.
- Bisco-Sherplatten G. m. b. H., Berlin, Germany. Plywood and veneers. 264,776; Dec. 3; Serial No. 277,889; published Sept. 17, 1929. Class 12.
- Blasodol Company, The, New Haven, Conn. Medicinal preparation. 264,665; Dec. 3; Serial No. 286,683; published Sept. 17, 1929. Class 6.
- Blish Milling Company, The, Seymour, Ind. Wheat flour. 77,287; renewed Mar. 29, 1930.
- Blue Buckle Overall Company, Lynchburg, Va. Overalls, coats, and workshirts. 264,656; Dec. 3; Serial No. 282,904; published Sept. 17, 1929. Class 39.
- Boston Insulated Wire & Cable Company, Boston, Mass. Insulated wire and insulated-wire cables. 75,467; renewed Oct. 5, 1929.
- Bourland, Robert W., Marathon, Tex. Honey. 264,661; Dec. 3; Serial No. 284,771; published Sept. 24, 1929. Class 46.
- Bowker Chemical Company. (See Merrimac Chemical Co., assignor.)
- Boyd, Elizabeth, doing business as Nature-Petal Flower Company, Los Angeles, Calif. Artificial flowers. 264,806; Dec. 3. Class 40.
- Brooklyn Daily Times, Inc., The. (See Peters, B., and Co., assignor.)
- Brunner Engineering Corporation of New York, New York, N. Y. Heat-insulating material for boilers and tanks. 264,676; Dec. 3; Serial No. 285,011; published Sept. 3, 1929. Class 12.
- Buckeye Soda Company, The, Painesville, Ohio. Drain-pipe solvent and eye. 264,746; Dec. 3; Serial No. 288,415; published Sept. 17, 1929. Class 6.
- Buff & Buff Instrument Manufacturing Co., to Buff & Buff Mfg. Co., Boston, Mass., successor. Transits. 34,303; renewed Mar. 6, 1930.
- Bunn & Humphreys, Inc. (See Humphreys, J. F., & Co.)
- Burdick, Austin F., doing business as The Snugfit Eye Patch Co., Lansing, Mich. Eye patches. 264,803; Dec. 3. Class 44.
- Burlington Blanket Company, Burlington, Wis. Pads and housings for horse collars and harness. 77,196; renewed Mar. 22, 1930.
- Burnett, Ethel L., Cleveland, Ohio. Ammonia waving solution, olive-oil shampoo, etc. 264,727; Dec. 3; Serial No. 274,821; published Sept. 10, 1929. Class 6.
- Butler, Gordon W., doing business as The Zola Laboratories, St. Louis, Mo. Medicinal preparation. 264,718; Dec. 3; Serial No. 279,260; published July 2, 1929. Class 6.
- California Prune & Apricot Growers Association, San Jose, Calif. Dried fruits. 264,811; Dec. 3. Class 46.
- California Vinegar Co., doing business as Golden West Honey Co., Los Angeles, Calif. Honey. 264,765; Dec. 3; Serial No. 286,418; published Sept. 24, 1929. Class 46.
- Canter, Max, doing business as M. Canter Laboratories, St. Louis, Mo. Preparation for eruptions on the face and body. 264,666; Dec. 3; Serial No. 286,923; published Sept. 10, 1929. Class 6.
- Cederroth, Christian, Stockholm, Sweden. Fruit salts. 264,662; Dec. 3; Serial No. 283,492; published Sept. 10, 1929. Class 6.
- Channon, H., Company, Chicago, Ill. Metal. 33,792; renewed Nov. 21, 1929.
- Channon, H., Company, Chicago, Ill. Rope dressing. 33,923; renewed Dec. 19, 1929.
- Chemical Foundation, Incorporated, The. (See Badische Anilin & Soda Fabrik, assignor.)
- Chemical Foundation, Incorporated, The. (See Chemische Fabrik auf Actien (vorm. E. Schering), assignor.)
- Chemical Foundation, Incorporated, The. (See Gesellschaft m. b. H. Classen & Co., assignor.)
- Chemical Foundation, Incorporated, The. (See Prée, A., assignor.)
- Chemical Foundation, Incorporated, The. (See Vertriebs-Gesellschaft Prof. Dr. Schleich'scher Präparate G. m. b. H., assignor.)
- Chemische Fabrik auf Actien (vormals E. Schering), Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Sedative substances. 76,468; renewed Jan. 18, 1930.
- Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Photographic-developing substances. 76,542; renewed Jan. 25, 1930.
- Chemische Werke Marlenfelde Aktiengesellschaft. (See Deutsche Konservierungsgesellschaft für Nahrungs- und Genussmittel m. b. H.)
- Churchill, Mary. (See Birney, Mary G.)
- Cincinnati Abattoir Co., The, assignor to The E. Kahn's Sons Company, Cincinnati, Ohio. Canned food products. 76,163; renewed Dec. 21, 1929.
- Clothiers Corporation, Chicago, Ill. Suits, overcoats, trousers, etc. 264,788; Dec. 3; Serial No. 285,445; published Aug. 20, 1929. Class 39.
- Cohen, Goldman & Co., Inc., New York, N. Y. Outer garments and undergarments. 264,762; Dec. 3; Serial No. 287,333; published Sept. 10, 1929. Class 39.
- Cohen & Whellan, New York, N. Y. Outer coats. 264,754; Dec. 3; Serial No. 287,909; published Sept. 10, 1929. Class 39.
- Colgate-Palmolive-Peet Company, Chicago, Ill. Shaving soap and shaving cream. 264,794; Dec. 3. Class 4.
- Colorado Fuel & Iron Company, The, Denver, Colo. Coal. 264,641; Dec. 3; Serial No. 286,816; published Sept. 10, 1929. Class 1.
- Continental Mfr. Co., Indianapolis, Ind. Sweeping compounds. 76,755; renewed Feb. 15, 1930.
- Corinth Woolen Mills, St. Louis, Mo., to Curlee Clothing Company, Wilmington, Del., and St. Louis, Mo., successor. Youths' outer suits. 75,838; renewed Nov. 23, 1929.
- Corrigan, McKinney Steel Company, The, Cleveland, Ohio. Coke. 264,785; Dec. 3; Serial No. 284,113; published Sept. 17, 1929. Class 1.
- Cortez Growers Association, Inc., Merced, Calif. Fresh vegetables. 264,800; Dec. 3. Class 46.

Corvill, John C., doing business as Corvill Laboratory, Ann Arbor, Mich. Hair pomade. 264,705; Dec. 3; Serial No. 280,823; published Apr. 3, 1923. Class 6.

Crescent Oil Company, Indianapolis, Ind. Lubricating oils. 77,518; renewed Apr. 19, 1930.

Crown Medicine Company. (See Reed, Thomas.)

Curlee Clothing Company. (See Corinth Woolen Mills.)

Curtice Brothers Co., Rochester, N. Y. Ketchup. 264,790; Dec. 3; Serial No. 285,733; published Sept. 24, 1929. Class 46.

Cutaway Harrow Co., The, Haddam, Conn., to The Cutaway Harrow Company, Higganum, Conn. Harrows, revolving plows, cultivators, and seeders. 77,388; renewed Apr. 5, 1930.

Daimler-Motoren-Gesellschaft, Unterturkheim, near Stuttgart, by change of name to Daimler-Benz Aktiengesellschaft, Stuttgart, Unterturkheim, Germany. Chains, valves, cocks, chain couplings, and tube couplings. 75,681; renewed Nov. 2, 1929.

Daimler-Motoren-Gesellschaft, Unterturkheim, near Stuttgart, by change of name to Daimler-Benz Aktiengesellschaft, Stuttgart, Unterturkheim, Germany. Tools and machinery. 76,020; renewed Dec. 7, 1929.

Dairy Laboratories, The, Philadelphia, Pa. Sour-milk-testing solution. 264,673; Dec. 3; Serial No. 287,327; published Sept. 10, 1929. Class 6.

Davis Milling Company, The, St. Joseph, Mo., assignor, by mesne assignments, to The Quaker Oats Company, Chicago, Ill. Wheat flour. 76,347; renewed Jan. 4, 1930.

De Britto, Carlos, & Cia., Pesqueira, Brazil. Guava paste, banana paste, cashew in syrup, etc. 264,660; Dec. 3; Serial No. 284,605; published Sept. 24, 1929. Class 46.

Deedera, Carleton, doing business as Deedera Products, Tampa, Fla. Insecticides. 264,728; Dec. 3; Serial No. 275,350; published Sept. 17, 1929. Class 6.

Deere, John, Tractor Co. (See Waterloo Gasoline Engine Company.)

De Mille, Howard G., doing business as De Mille Products Company, Baltimore, Md. Dry-cleaning preparations. 264,690; Dec. 3; Serial No. 276,687; published Feb. 12, 1929. Class 4.

Deutsche Konservierungsgesellschaft für Nahrungsmittel und Genussmittel m. b. H., to Chemische Werke Marlenfelde Aktiengesellschaft, Berlin, Germany, successor. Pitch for use in breweries. 74,854; renewed Aug. 17, 1929.

Dickinson, Albert, Company, The, Chicago, Ill. Grass, clover, and field seeds and seed grains. 34,156; renewed Feb. 6, 1930.

Dickinson, Albert, Company, The, Chicago, Ill. Grass, clover, and field seeds and seed grains. 34,294; renewed Mar. 6, 1930.

Dodgson, Harry C., doing business as T. T. T. Chemical Company, Los Angeles, Calif. Sore-throat and tonsillitis medicines. 264,674; Dec. 3; Serial No. 287,338; published Sept. 17, 1929. Class 6.

Doll House, The. (See Mountain States Martha Washington Candles Company.)

Drooker & Snowwhite, Inc., New York, N. Y. Partly-prepared fur skins. 264,731; Dec. 3; Serial No. 271,116; published Sept. 10, 1929. Class 1.

Drug Products Co., Inc., The, Long Island City, N. Y. General reconstructive tonic and promoter of metabolism. 264,725; Dec. 3; Serial No. 273,583; published Feb. 12, 1929. Class 6.

Du Brul Manufacturing Co., The. (See Miller, Du Brul & Peters Mfg. Co., The, assignor.)

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Peroxyl-coated fabric. 264,770; Dec. 3; Serial No. 284,779; published Sept. 17, 1929. Class 50.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 76,544; renewed Jan. 25, 1930.

Ebelstein, Gus, Bro. & Co., New York, N. Y. Hosiery and underwear. 264,756; Dec. 3; Serial No. 286,538; published Sept. 10, 1929. Class 39.

Electric Renovator Manufacturing Co., Pittsburgh, Pa., to Invinible Vacuum Cleaner Manufacturing Co., Dover, Ohio, successor. Pneumatic cleaning and renovating apparatus and parts thereof. 76,656; renewed Feb. 8, 1930.

Elk Brand Shirt & Overall Co., Hopkinsville, Ky. Dress shirts. 264,755; Dec. 3; Serial No. 287,962; published Sept. 17, 1929. Class 39.

Elephant Orchards. (See Moore, William N., assignor.)

Eno Rubber Corporation, Los Angeles, Calif. Rubber mats. 264,777; Dec. 3; Serial No. 282,777; published Sept. 17, 1929. Class 50.

Eureka Headache Powder Company, Concord, N. H. Remedy for headaches and an anodyne. 77,101; renewed Mar. 8, 1930.

Faber, A. W., Inc., Newark, N. J. Lead pencils, crayon pencils, colored pencils, etc. 264,802; Dec. 3. Class 37.

Färbefabrikken of Elberfeld Company, assignor to The Bayer Company, Inc., New York, N. Y. Fancy yarns. 77,232; renewed Mar. 22, 1930.

Fernholtz Machinery and Manufacturing Company, Ltd., Los Angeles, Calif. Fuel briquettes. 264,650; Dec. 3; Serial No. 286,630; published Sept. 17, 1929. Class 1.

Firth-Sterling Steel Company, McKeesport, Pa. Alloys and metal aggregate compositions and metals. 264,739; Dec. 3; Serial No. 287,964; published Sept. 10, 1929. Class 14.

Fischer Baking Company, Newark, N. J. Cakes, cookies, pies, etc. 264,689; Dec. 3; Serial No. 276,258; published Feb. 12, 1929. Class 46.

Flint Falcene & Tile Company, Flint, Mich. Floor, wall, and similar tile. 264,685; Dec. 3; Serial No. 280,319; published Sept. 3, 1929. Class 12.

Florence Wagon Works, to Florence Wagon Company, Florence, Ala., successor. Wagons. 75,934-5; renewed Nov. 30, 1929.

Forbes Varnish Company, The, Cleveland, Ohio. Varnishes and Japans. 77,528; renewed Apr. 19, 1930.

Foster, Calderera & Co., by change of name to J. Foster & Company, Fort Smith, Ark. Flavoring extracts and canned tomatoes. 74,609; renewed July 27, 1929.

Fracheur Products. (See Kraft, Marcel.)

Friedlen, Meyer L., Chicago, Ill. Knitted sweaters and bathing suits. 264,798; Dec. 3. Class 39.

Friend Brothers, Inc., Melrose, Mass. Canned baked beans and canned brown bread. 264,713; Dec. 3; Serial No. 279,463; published Sept. 24, 1929. Class 46.

Friend Brothers, Inc., Melrose, Mass. Bread, cake, pies, etc. 264,714; Dec. 3; Serial No. 280,061; published Sept. 24, 1929. Class 46.

Friend Brothers, Inc., Melrose, Mass. Canned baked beans and canned brown bread. 264,774; Dec. 3; Serial No. 279,462; published Sept. 24, 1929. Class 46.

Fries Bros., to Harold H. Fries, doing business as Fries Bros., New York, N. Y., successor. Medical compounds. 34,113; renewed Feb. 6, 1930.

Fulton Bag and Cotton Mills, Atlanta, Ga. Bags and twine. 34,314; renewed Mar. 13, 1930.

Gackebach, E. N., Jenkintown, Pa. Cement. 264,645; Dec. 3; Serial No. 287,466; published Sept. 17, 1929. Class 12.

Garson, Charles, Rochester, N. Y. Lubricating oil. 76,873; renewed Feb. 22, 1930.

Gaus Manufacturing Co., Inc., St. Louis, Mo. Electric refrigerator. 264,748; Dec. 3; Serial No. 287,750; published Sept. 24, 1929. Class 31.

Genatosan Limited, Loughborough, England. Medicated tooth pastes and mouth-wash tablets. 264,742; Dec. 3; Serial No. 288,069; published Sept. 10, 1929. Class 6.

Genatosan Limited, Loughborough, England. Sedatives. 264,743; Dec. 3; Serial No. 288,070; published Sept. 10, 1929. Class 6.

Genatosan Limited, Loughborough, England. Vaccines. 264,744; Dec. 3; Serial No. 288,071; published Sept. 10, 1929. Class 6.

General Insulation Company, Chicago, Ill. Thermal insulating material. 264,647; Dec. 3; Serial No. 286,428; published Sept. 17, 1929. Class 12.

German American Provision Company, The, assignor to Armour and Company, Chicago, Ill. Canned foods, cured meats, and lard. 34,410; renewed Apr. 3, 1930.

Gesellschaft m. b. H. Classen & Co., Schöneberg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Soldering fluxes. 76,472; renewed Jan. 18, 1930.

Gestotone Company. (See Reed, Thomas.)

Golden West Honey Co. (See California Vinegar Co.)

Gorham Manufacturing Company, Providence, R. I. Silverware. 33,903; renewed Dec. 19, 1929.

Gossett Mills, Anderson, S. C. Dresses, smocks, shirts, etc. 264,735; Dec. 3; Serial No. 286,117; published Sept. 10, 1929. Class 39.

Graton & Knight Mfg. Co., assignor to Graton & Knight Company, Worcester, Mass. Leather for boots and shoes. 76,621; renewed Feb. 1, 1930.

Greenberg, Gallin & Kelt, Inc., New York, N. Y. Suits, coats, trousers, and overcoats. 264,763; Dec. 3; Serial No. 287,995; published Sept. 17, 1929. Class 39.

Grocers' Supply Company, The, Miami, Fla. Canned vegetables, fruits, fish, etc. 264,773; Dec. 3; Serial No. 279,044; published Sept. 17, 1929. Class 46.

Hadley Company, Inc., The, Providence, R. I. Bracelets. 264,801; Dec. 3. Class 28.

Hamilton Woolen Co., Boston, to Hamilton Woolen Co., Southbridge, Mass. Woolen and cotton piece goods. 77,051; renewed Mar. 8, 1930.

Harade Medicine Co. (See Lefkoff, Frank F.)

Hazel Hygienic Co., The. (See Perkins, Lee D.)

Holburn Thompson Company, Salem, Mass. Furs. 264,686; Dec. 3; Serial No. 286,327; published Sept. 3, 1929. Class 1.

Heller, L., & Son, to Heller & Son, Inc., New York, N. Y., successor. Sapphires. 76,513; renewed Jan. 25, 1930.

Henkell & Co., Mainz, Germany, to Henkell & Co., Wiesbaden Bleiblich, Germany. Still and sparkling wines. 75,473; renewed Oct. 5, 1929.

Hickman, Williams & Co., Cincinnati, Ohio. Coal. 264,643; Dec. 3; Serial No. 287,077; published Sept. 17, 1929. Class 1.

Horn, W. O., & Bro., to W. O. Horn & Brother, Inc., successor, New York, N. Y. Cravats, neckties, and neckscarfs. 76,442; renewed Jan. 15, 1930.

Humphreys, J. F. & Co., to Bunn & Humphreys, Inc., Bloomington, Ill., successor. Certain foods. 77,068; renewed Mar. 8, 1930.

Hutchinson Co., Oakland, Calif. Construction material. 264,775; Dec. 3; Serial No. 277,063; published Sept. 17, 1929. Class 12.

Idol Malt Company. (See Still, Louis.)

Imperial Chemical Mfg. Co., The, New York, N. Y., to Williams Mfg. Co., Cleveland, Ohio, successor. Toilet preparations. 76,716; renewed Feb. 8, 1930.

Imperial Mfg. Co., Baltimore, Md. Gelatin. 75,508; renewed Oct. 12, 1929.

Independence Cigar Mfg. Co., The, Detroit, Mich., to The United States Cigar Company, York, Pa., successor. Cigars. 74,859; renewed Aug. 17, 1929.

Indiana Fibre Products Company, Marion, Ind. Paper dishes. 264,719; Dec. 3; Serial No. 280,550; published May 28, 1929. Class 2.

International Milling Company. (See Wells Flour Milling Company, assignor.)

Invinible Vacuum Cleaner Manufacturing Co. (See Electric Renovator Manufacturing Co.)

J. R. B. Manufacturing Co., Inc., Huron, S. Dak. Preparation for the treatment of falling hair and dandruff. 264,672; Dec. 3; Serial No. 287,255; published Sept. 10, 1929. Class 6.

Janome Rayon Corporation, Brooklyn, N. Y. Underwear. 264,733; Dec. 3; Serial No. 285,779; published Sept. 17, 1929. Class 39.

Jantzen Knitting Mills, Portland, Oreg. Swimming suits. 264,751-3; Dec. 3; Serial Nos. 287,821-3; published Sept. 10, 1929. Class 39.

Jewell, Ira H., Chicago, Ill. Stills. 74,985; renewed Aug. 24, 1929.

Johns-Manville Corporation, New York, N. Y. Asbestos cellular pipe and boiler covering and asbestos cement. 264,644; Dec. 3; Serial No. 287,188; published Sept. 17, 1929. Class 12.

Kahn's, E., Sons Company, The. (See Cincinnati Abattoir Co., The, assignor.)

Kanotex Refining Company, The. (See Superior Refining Co., The, assignor.)

Kansas Milling Company, The, Wichita, Kans. Wheat flour. 76,074-6; renewed Dec. 14, 1929.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Ladies' and misses' coats, suits, gowns, etc. 264,736; Dec. 3; Serial No. 286,178; published Sept. 17, 1929. Class 39.

Kemtex Products Company, The, Akron, Ohio. Treated fabrics for wall covering, etc. 264,682; Dec. 3; Serial No. 240,860; published Sept. 3, 1929. Class 50.

Kenworthy Brothers Company, Incorporated, Stoughton, Mass. Card-table covers. 264,678; Dec. 3; Serial No. 285,211; published Sept. 17, 1929. Class 50.

Kling, J. F., Lyons, Nebr. Salve. 264,758; Dec. 3; Serial No. 288,424; published Sept. 17, 1929. Class 6.

Klaber, Emile A., assignor to Roneo Company Inc., New York, N. Y. Duplicating apparatus and certain stationery. 76,400; renewed Jan. 11, 1930.

Koch, F. A., & Co., New York, N. Y. Certain surgical instruments. 77,304; renewed Mar. 29, 1930.

Koelner Werkzeugmaschinenfabrik von Wihl, Quester, Cologne-Sulz, Germany. Machines used in the manufacture of tobacco. 264,793; Dec. 3. Class 23.

Koppers Company, The, Pittsburgh, Pa. Coke. 264,653; Dec. 3; Serial No. 286,687; published Sept. 10, 1929. Class 1.

Kraft, Marcel, doing business as Marcel Laboratories and Fracheur Products, San Francisco, Calif. Shampoo. 264,724; Dec. 3; Serial No. 270,848; published Dec. 4, 1928. Class 3.

Krank, Alfred J., to Walter A. Krank, executor, St. Paul, Minn. Preparation for use as an antiseptic, a hair-dressing, etc. 264,706-7; Dec. 3; Serial Nos. 260,736-7; published Sept. 17, 1929. Class 6.

Kreamo Milk Co. (See Leedom, Theodore C.)

Kreage Department Store Corporation, Newark, N. J. Suits, overcoats, topcoats, etc. 264,659; Dec. 3; Serial No. 284,460; published Sept. 17, 1929. Class 39.

Laboratoire de Pharmacologie, Inc. (See Vial.)

Lanman & Kemp, Inc., New York, N. Y. Medicinal seed. 264,764; Dec. 3; Serial No. 287,414; published Sept. 10, 1929. Class 6.

Lanteon Laboratories Inc., Chicago, Ill. Pharmaceutical preparations. 264,787; Dec. 3; Serial No. 288,426; published Sept. 17, 1929. Class 6.

Larus & Brother Co., Incorporated, Richmond, Va. Tobacco. 264,745; Dec. 3; Serial No. 288,383; published Sept. 17, 1929. Class 17.

La Société à Responsabilité Limitée Nicotless, Paris, France. Preparation to be applied to tobacco. 264,741; Dec. 3; Serial No. 288,022; published Sept. 10, 1929. Class 6.

Lauderbach-Barber Co., to Lauderbach-Griest Company, Phillipsburg, Pa., successor. Certain foods. 74,593; renewed July 27, 1929.

Lavelle Rubber Co., Chicago, Ill. Flush-tank valve balls. 264,722; Dec. 3; Serial No. 271,701; published Nov. 27, 1928. Class 13.

La Zibeline Société Anonyme, Ghent, Belgium. Tanned and dyed skins and hides. 264,681; Dec. 3; Serial No. 285,745; published Sept. 3, 1929. Class 1.

Leedom, Theodore C., doing business as Kreamo Milk Co., Toledo, Ohio. Evaporated milk. 264,694; Dec. 3; Serial No. 262,718; published Sept. 24, 1929. Class 46.

Lefkoff, Frank F., doing business as Harade Medicine Co., Atlanta, Ga. Hair pomade, a preparation for whitening the skin, and face powder. 264,704; Dec. 3; Serial No. 259,008; renewed June 19, 1928. Class 6.

Leprince, Maurice, assignor to Société à Responsabilité Limitée "Laboratoire du Docteur Maurice Leprince," Paris, France. Remedy for certain named diseases. 33,541; renewed Oct. 10, 1929.

Lewis Asphalt Engineering Corp., New York, N. Y. Chemical compound for waterproofing construction materials. 264,679; Dec. 3; Serial No. 285,359; published Sept. 17, 1929. Class 12.

Lindemann, A. J., & Hoverson Company, Milwaukee, Wis. Stoves and ranges. 76,613; renewed Feb. 1, 1930.

"Locomobile" Company of America, The, Wheeling, W. Va., and New York, N. Y., assignor, by mesne assignments, to Locomobile Company of America, Incorporated, New York, N. Y., and Bridgeport, Conn. Automatically-propelled wheeled vehicles. 33,490-2; renewed Sept. 19, 1929.

Logan-Long Company, Franklin, Ohio, Atlanta, Ga., Fulton, N. Y., and Chicago, Ill. Composition shingles. 264,780-1; Dec. 3; Serial Nos. 283,573-4; published Sept. 10, 1929. Class 12.

Maldonado & Co., Inc., to Fernando B. Maldonado, doing business as Maldonado & Co., San Francisco, Calif., successor. Wheat flour. 74,971; renewed Aug. 24, 1929.

Mantini, A., doing business as Mantini Wholesale Grocery Co., Los Angeles, Calif. Canned fruits, vegetables, tomato sauce, etc. 264,766; Dec. 3; Serial No. 286,439; published Sept. 17, 1929. Class 46.

Mar-Bio Products Corporation, New York, N. Y. Marble. 264,782; Dec. 3; Serial No. 283,878; published Sept. 3, 1929. Class 12.

Marcel Laboratories. (See Kraft, Marcel.)

Markon Garment Company, Inc., New York, N. Y. Boys' wash suits, rompers, sun suits, etc. 264,716; Dec. 3; Serial No. 282,484; published Sept. 10, 1929. Class 39.

Martin Brothers, Los Angeles, Calif. Canned olives, pickles, mixed relishes, etc. 264,657; Dec. 3; Serial No. 283,266; published Sept. 17, 1929. Class 46.

Martindale, Ralph, & Co. Limited, Birmingham, England. Machetes. 76,344; renewed Jan. 4, 1930.

Meeklenburg Nurseries, Charlotte, N. C. Ornamental shrubbery, trees, bushes, etc. 264,651; Dec. 3; Serial No. 286,640; published Sept. 10, 1929. Class 1.

Merrime Chemical Co., Boston, Mass., assignor, by mesne assignments, to Bowker Chemical Company, New York, N. Y. Arsenate of lead. 76,478; renewed Jan. 18, 1930.

Midland Vinegar Company, The, assignor to H. P. Sauce Limited, Birmingham, England. Pickles and digestive relish. 77,475; renewed Apr. 12, 1930.

Miller, Du Brul & Peters Mfg. Co., The, Cincinnati, assignor to The Du Brul Manufacturing Co., Norwood, Cincinnati, Ohio. Cigar molds. 75,868; renewed Nov. 23, 1929.

Mitchell, Crandup P., doing business as The Py-re Company, Burlington, N. C. Medicinal preparation. 264,709; Dec. 3; Serial No. 285,216; published Sept. 10, 1929. Class 6.

Mitchells, Ashworth, Stansfield & Company, Limited, Waterfoot, near Manchester, England. Endless felts of wool, worsted, or hair. 77,664; renewed Apr. 26, 1930.

Mogul Company, The. (See Rashbaum, J., Sons, assignor.)

Moll, A., Grocer Co., St. Louis, Mo. Certain foods. 77,450; renewed Apr. 12, 1930.

Moore, William N., assignor to Elephant Orchards, Redlands, Calif. Oranges, lemons, limes, and grapefruit. 77,133; renewed Mar. 15, 1930.

Morrison Tent & Awning Co., St. Louis, Mo. Awnings. 264,732; Dec. 3; Serial No. 285,870; published Sept. 10, 1929. Class 50.

Motor X-Ray Co., Inc., Glendale, Calif. Motor-treating compositions or fluids. 264,717; Dec. 3; Serial No. 278,844; published May 7, 1929. Class 6.

Mountain Cross Granite Company, The, Denver and Salida, Colo. Stone. 264,648; Dec. 3; Serial No. 286,500; published Sept. 3, 1929. Class 12.

Mountain States Martha Washington Candles company, doing business as The Doll House, Salt Lake City, Utah. Candles and ice cream. 264,730; Dec. 3; Serial No. 270,041; published Sept. 24, 1929. Class 46.

Naamloze Vennootschap Nederlandse Naamloze Vennootschap Fransch-Hollandsche Oliefabrieken Nouveaux Etablissements Calve-Delft, to Naamloze Vennootschap Maatschappij tot Exploitatie der Oliefabrieken Calve-Delft, Delft, Holland, successor. Peanut oil. 75,579; renewed Oct. 19, 1929.

National Bronze and Aluminum Foundry Company, The, Cleveland, Ohio. Nonferrous metals and metal castings. 264,688; Dec. 3; Serial No. 269,597; published Sept. 17, 1929. Class 14.

National Committee on Correct Style, Inc., The, Chicago, Ill. Women's hats. 264,692; Dec. 3; Serial No. 261,128; published Sept. 10, 1929. Class 39.

Nature-Petal Flower Company. (See Boyd, Elizabeth.)

Nestle-Le Mur Company, The, Cleveland, Ohio. Hair-treating composition. 264,670; Dec. 3; Serial No. 287,198; published Sept. 17, 1929. Class 6.

Nettleton, A. E., Co., Syracuse, N. Y. Men's leather shoes. 76,224; renewed Dec. 28, 1929.

New Haven Clock Co., The, New Haven, Conn. Clocks. 264,809; Dec. 3. Class 27.

New Jersey Zinc Company, The, New York, N. Y., to The New Jersey Zinc Company, Newark and Franklin, N. J. Splitter or slab zinc. 34,441; renewed Apr. 3, 1930.

Newport Company, The, Carrollville, Wis. Rodin. 264,640; Dec. 3; Serial No. 286,791; published Sept. 10, 1929. Class 1.

Norton Emery Wheel Company, by change of name to Norton Company, Worcester, Mass. Manufactured articles of abrasive materials. 33,757; renewed Nov. 14, 1929.
 Norway Medicine Company, Norway, Me. Remedy for certain disease. 76,819; renewed Feb. 15, 1930.
 Oakleaf Mills, Lagrange, Ga. Industrial wiping cloths. 264,695; Dec. 3; Serial No. 266,476; published Dec. 11, 1928. Class 29.
 Ohio Hydrate & Supply Company, The, Woodville, Ohio. Lime. 264,646; Dec. 3; Serial No. 287,974; published Sept. 17, 1929. Class 12.
 Oliver-Flonle Co., Memphis, Tenn. Coffee. 77,670; renewed Apr. 26, 1930.
 Oppenheimer, A., & Co., to Oppenheimer Pipes Ltd., London, England, successor. Tobacco pipes. 75,646; renewed Oct. 26, 1929.
 Oster Manufacturing Company, The, Cleveland, Ohio. Die stocks. 77,559; renewed Apr. 19, 1930.
 Oxford Paper Co., New York, N. Y. Book paper. 264,812; Dec. 3. Class 37.
 Paas Dye Company, Newark, N. J. Dyes. 264,797; Dec. 3. Class 6.
 Paris Shops, Inc., The, Cincinnati, Ohio. Dresses. 264,747; Dec. 3; Serial No. 287,361; published Sept. 10, 1929. Class 39.
 Peerless Rubber Manufacturing Company, assignor to United States Rubber Company, New York, N. Y. Rubber hose. 76,258; renewed Dec. 28, 1929.
 Penna. Lubricating Co., assignor to Pennsylvania Lubricating Company, Pittsburgh, Pa. Lubricating greases. 75,686; renewed Nov. 2, 1929.
 Pennsylvania Lubricating Company. (See Penna. Lubricating Co., assignor.)
 Perkins, Lee D., doing business as The Hazel Hygienic Co., Denver, Colo. Face cream and lotion, kidney pills, liver tablets, etc. 264,721; Dec. 3; Serial No. 281,686; published Sept. 3, 1929. Class 6.
 Peters, R., and Co., assignor to The Brooklyn Daily Times, Inc., Brooklyn, N. Y. Newspaper. 74,836; renewed Aug. 10, 1929.
 Peters, Milton C., Omaha, Neb., to American Milling Company, Peoria, Ill., successor. Poultry feed. 70,336; renewed Aug. 25, 1928.
 Peters, Milton C., Omaha, Neb., to American Milling Company, Peoria, Ill., successor. Stock food. 70,419; renewed Aug. 25, 1928.
 Peters, Milton C., Omaha, Neb., to American Milling Company, Peoria, Ill., successor. Ground hay or alfalfa meal. 71,818; renewed Dec. 15, 1928.
 Peterson Nut Company, The, Cleveland, Ohio. Salted nuts. 264,791-2; Dec. 3. Class 46.
 Peuser, Jacobo, to Sociedad Anonima Papeleria, Libreria e Imprenta Argentina Casa Jacobo Peuser Limitada, Buenos Ayres, Argentina, successor. Articles of stationery. 33,616; renewed Oct. 24, 1929.
 Pittsburgh Crushed Steel Co., Pittsburgh, Pa. Crushed steel. 77,486; renewed Apr. 12, 1930.
 Préce, A., Dresden, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Paint. 76,404; renewed Jan. 11, 1930.
 Prismo Sign Company Incorporated, New York, N. Y., assignor to Prismo Holding Corporation, Signs. 264,683; Dec. 3; Serial No. 286,194; published Sept. 10, 1929. Class 50.
 Purdy Oats Company, Keokuk, Iowa. Rolled oats or oat flakes. 264,813; Dec. 3. Class 46.
 Py-ree Company. (See Mitchell, Crudup P.)
 Quaker Oats Company, The. (See Davis Milling Company, The, assignor.)
 Ralph Knitting Mills. (See Ramazano, Ralph.)
 Ralston Scales Corporation, Columbus, Ohio. Weighing scales. 264,789; Dec. 3. Class 26.
 Ramazano, Ralph, doing business as Ralph Knitting Mills, Philadelphia, Pa. Undergarments and the like. 264,757; Dec. 3; Serial No. 287,010; published Sept. 10, 1929. Class 39.
 Rashbaum, J. Sons, Kansas City, Kans., assignor, by mesne assignments, to The Mogul Company, Kansas City, Mo. Overalls. 75,320; renewed Sept. 21, 1929.
 Rasmussen, Geo., Co., Chicago, Ill. Cookies, canned vegetables, milk, and tea. 264,729; Dec. 3; Serial No. 269,604; published Sept. 24, 1929. Class 46.
 Reed, Thomas, doing business as Crown Medicine Company and Gestotone Company, Atlanta, Ga. Medicine. 264,696; Dec. 3; Serial No. 267,721; published Sept. 25, 1928. Class 6.
 Richman Clothing Co., Inc., New York, N. Y. Suits and overcoats. 264,658; Dec. 3; Serial No. 284,424; published Sept. 10, 1929. Class 39.
 Richmond Hosiery Mills, Rossville, Ga. Hosiery. 34,084; renewed Jan. 30, 1930.
 Roberts and Oake, Inc., Chicago, Ill. Pork loaf. 264,807; Dec. 3. Class 46.
 Roberts and Oake, Inc., Chicago, Ill. Ham, lunch loaf, sausage, etc. 264,808; Dec. 3. Class 46.
 Robertson Leather Company, Inc., New York, N. Y. Tanned leather skins. 264,680; Dec. 3; Serial No. 285,639; published Sept. 10, 1929. Class 1.
 Robertson, Wilfred G., Ontario, Calif. Maltless beverage. 264,810; Dec. 3. Class 45.
 Rolland Products Company, Detroit, Mich. Preparation for preserving eggs. 264,805; Dec. 3. Class 6.
 Roneo Company Inc. (See Klaber, Emil A., assignor.)

Root, C. J., Company, The, Bristol, Conn., to Veeder-Root Incorporated, Hartford, Conn., successor. Counting machines. 74,899; renewed Aug. 17, 1929.
 Root, C. J., Company, The, Bristol, Conn., to Veeder-Root Incorporated, Hartford, Conn., successor. Counting machines. 76,352; renewed Jan. 11, 1930.
 Royal Baking Powder Company, New York, N. Y. Baking powder. 76,260; renewed Dec. 28, 1929.
 Royal Granite Company, St. Cloud, Minn. Cut granite and granite finished. 264,677; Dec. 3; Serial No. 285,175; published Sept. 17, 1929. Class 12.
 S-H Sales Co., Inc., The, New York, N. Y. Pipe-joint cement. 264,708; Dec. 3; Serial No. 285,987; published Sept. 3, 1929. Class 12.
 Sabine Lumber Company, St. Louis, Mo., and Houston, Tex. Southern-pine finish, interior trim, mouldings, and jambs. 264,642; Dec. 3; Serial No. 287,013; published Sept. 10, 1929. Class 12.
 San Francisco Breweries Ltd., London, England, and San Francisco, Calif., assignor to Wielands Incorporated, San Francisco, Calif. Beer. 69,364; renewed June 9, 1928.
 Sarra y Hernandez, Ernesto. (See Uriel, Charles J., assignor.)
 Sauce, H. P., Limited. (See Midland Vinegar Company, The, assignor.)
 Sayman, Thomas M., doing business as T. M. Sayman Products Co., St. Louis, Mo. Liniment. 264,664; Dec. 3; Serial No. 286,082; published Sept. 17, 1929. Class 6.
 Scheidt, Adam, Brewing Company, Norristown, Pa. Malt syrup. 264,749-50; Dec. 3; Serial Nos. 287,778-9; published Sept. 24, 1929. Class 46.
 Schollhorn, William, Company, The, New Haven, Conn. Nippers, pliers, punches, and hand tools. 77,278; renewed Mar. 22, 1930.
 Schreiber Products Corporation, Buffalo, N. Y. Malt-extract powder for food purposes. 264,691; Dec. 3; Serial No. 276,990; published Sept. 24, 1929. Class 46.
 Sculptron, Philadelphia, Pa. Screens and backdrops for store-window and counter use, etc. 264,778; Dec. 3; Serial No. 282,880; published Sept. 17, 1929. Class 50.
 Sears & Nichols Corporation, The, Chillicothe, Ohio. Canned fruits, berries, vegetables, etc. 264,723; Dec. 3; Serial No. 273,267; published Sept. 24, 1929. Class 46.
 Seebohm & Dieckstahl, Ltd., by change of name to Arthur Ralfour & Company Limited, Sheffield, England. Steel. 75,829; renewed Nov. 16, 1929.
 Sherman, Sol., New York, N. Y. Bow ties. 264,760; Dec. 3; Serial No. 287,265; published Sept. 17, 1929. Class 39.
 Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Iron, steel, and bronze supports; cast-iron plates, etc. 264,700; Dec. 3; Serial No. 255,933; published Sept. 10, 1929. Class 14.
 Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Iron, steel, and bronze supports; cast-iron plates, etc. 264,701; Dec. 3; Serial No. 255,553; published Sept. 10, 1929. Class 14.
 Signal, Paul R., doing business as Zimmermann & Signal, Los Angeles, Calif. Hosiery and underwear. 264,753; Dec. 3; Serial No. 287,160; published Sept. 10, 1929. Class 39.
 Singerman, Max E., New York, N. Y. Ladies' coats, suits, dresses, etc. 264,699; Dec. 3; Serial No. 255,613; published Sept. 10, 1929. Class 39.
 Smith, Conrad T., Inc., New York, N. Y. Waterproof sizing and stiffening for straws, felts, etc. 264,720; Dec. 3; Serial No. 281,173; published Sept. 10, 1929. Class 6.
 Smooth-On Manufacturing Company, Jersey City, N. J. Iron compound. 34,161; renewed Feb. 6, 1930.
 Snuggly Eye Patch Co., The. (See Burdick, Anstina F.)
 Sociedad Anonima Papeleria, Libreria e Imprenta Argentina Casa Jacobo Peuser Limitada. (See Peuser, Jacobo.)
 Societe Anonyme Douillet Doucet, Paris, France. Perfumes, toilet waters, face powders, etc. 264,675; Dec. 3; Serial No. 287,375; published Sept. 10, 1929. Class 6.
 Societe A Responsabilite Limitee "Laboratoires du Docteur Maurice Leprince." (See Leprince, Maurice, assignor.)
 South Bend Remedy Company, South Bend, Ind., and Nashville, Tenn. Medicinal remedy for female diseases. 76,556; renewed Jan. 25, 1930.
 Spreckels, J. D. and A. B., Investment Company, doing business as Western Sugar Refinery, San Francisco, Calif. Sugar. 264,772; Dec. 3; Serial No. 277,514; published Sept. 24, 1929. Class 46.
 Sta-Brite Products Corporation, The, New Haven, Conn. Cooking utensils. 264,796; Dec. 3. Class 13.
 Standard Oil Co. of New York, New York, N. Y. Refined petroleum. 76,801; renewed Feb. 15, 1930.
 Stephano Brothers, assignor to Stephano Brothers, Philadelphia, Pa. Cigarettes and smoking tobacco. 33,327; renewed Aug. 8, 1929.
 Still, Louis, doing business as Ideal Malt Company, Brooklyn, N. Y. Malt syrup. 264,702-3; Dec. 3; Serial Nos. 258,702-3; Feb. 21, 1928. Class 46.
 Straus, Royer & Strass, Inc., Baltimore, Md. Middy blouses, skirts, knickers, etc. 264,693; Dec. 3; Serial No. 261,531; published Sept. 10, 1929. Class 39.

Strong, Carlisle & Hammond Co., The, Cleveland, Ohio. Certain stem specialties. 76,802; renewed Feb. 15, 1930.
 Strong, Mary E., doing business as Madam Mary E. Strong, Birmingham, Ala. Hair grower, pressing oil, and special temple grower. 264,608; Dec. 3; Serial No. 287,098; published Sept. 17, 1929. Class 6.
 Sunshine Cloak and Suit Company, The, Cleveland, Ohio. Ladies' misses' and children's cloaks and outer suits. 76,981; renewed Mar. 1, 1930.
 Superior Hat Co., Ltd., San Francisco, Calif. Men's and children's hats and caps. 264,738; Dec. 3; Serial No. 287,780; published Sept. 10, 1929. Class 39.
 Superior Refining Co., The, Longton, assignor to The Kanotex Refining Company, Arkansas City, Kans. Oils and greases. 75,519; renewed Oct. 12, 1929.
 Swift and Company, Chicago, Ill. Packing-house products. 34,411; renewed Apr. 3, 1930.
 Swigert, Hart & Yett, Inc., Portland, Ore. Concrete. 264,769; Dec. 3; Serial No. 284,704; published Sept. 17, 1929. Class 12.
 T. T. T. Chemical Company. (See Dodgson, Harry C.)
 Taubman Automotive Co., The, Baltimore, Md. Radiator-stop-leak liquid, radiator-cleaning compound. 264,697; Dec. 3; Serial No. 288,847; published Sept. 17, 1929. Class 6.
 Taylor-Burt Co., The, by change of name to Taylor-Logan Co., Papermakers, Holyoke, Mass. Paper and envelopes. 77,681; renewed Apr. 26, 1930.
 Tennent, J. & R., Limited, Glasgow, Scotland. Lager beer. 75,903; renewed Nov. 23, 1929.
 Thourer, M., Inc., New York, N. Y. Assorted chocolates, candies, cakes, pastries, etc. 264,734; Dec. 3; Serial No. 285,992; published Sept. 24, 1929. Class 46.
 Toledo Wheelbarrow Company, The, Toledo, Ohio. Wheelbarrows. 76,676; renewed Feb. 8, 1930.
 Torsch Packing Company, assignor to The Torsch Summers Company, Baltimore, Md. Canned fruits and canned vegetables. 77,585; renewed Apr. 19, 1930.
 Traiser, H., & Company, Incorporated, Boston, Mass. Cigars. 77,466; renewed Apr. 12, 1930.
 Tschirky, Oscar, New York, N. Y. Sauces and mayonnaises. 264,655; Dec. 3; Serial No. 282,579; published Sept. 24, 1929. Class 46.
 Tyler, W. S., Company, The, Cleveland, Ohio. Wire screens. 76,608; renewed Feb. 1, 1930.
 Uriel, Charles J., New York, N. Y., assignor to Ernesto Sarra y Hernandez, Habana, Cuba. Remedies for burns, bruises, and ulcers. 76,264; renewed Dec. 28, 1929.
 U. S. Bedding Company, Memphis, Tenn. Mattresses. 77,410; renewed Apr. 6, 1930.
 United States Bunting Co., to United States Bunting Company, Lowell, Mass., successor. Bunting. 76,241; renewed Dec. 28, 1929.
 United States Gypsum Company, Chicago, Ill. Plaster and metal reinforcement. 264,649; Dec. 3; Serial No. 286,609; published Sept. 17, 1929. Class 12.
 United States Gypsum Company, Chicago, Ill. Calcined gypsum and plaster of Paris. 264,698; Dec. 3; Serial No. 253,485; published Sept. 3, 1929. Class 12.
 U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters. 264,779; Dec. 3; Serial No. 283,312; published Sept. 17, 1929. Class 50.

United States Rubber Company. (See Peerless Rubber Manufacturing Company, assignor.)
 Universal Remedies Company, Springfield, Ill. Preparation for the treatment of hogs and poultry, disinfectant, etc. 264,667; Dec. 3; Serial No. 287,030; published Sept. 10, 1929. Class 6.
 Veeder-Root Incorporated. (See Root, C. J., Company, The.)
 Vegetable Products Corporation, Los Angeles, Calif. Flour and alimentary paste. 264,715; Dec. 3; Serial No. 281,005; published Sept. 10, 1929. Class 46.
 Vertriebs-Gesellschaft Prof. Dr. Schleichschner Präparate G. m. b. H., Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Preparation of chloroform. 76,318; renewed Jan. 4, 1930.
 Vial, Paris, France, to Laboratoire de Pharmacologie, Inc., New York, N. Y., successor. Emmenagogue medicines. 75,195; renewed Sept. 14, 1929.
 Walitt & Bond, Incorporated, Boston, Mass., to Walitt & Bond, Inc., Newark, N. J., successor. Cigars. 77,120; renewed Mar. 8, 1930.
 Wambaugh, Edward, doing business as E. Wambaugh Co., Goshen, Ind. Brightener compound for electroplating. 264,795; Dec. 3. Class 6.
 Waterloo Gasoline Engine Company, by change of name to John Deere Tractor Co., Waterloo, Iowa. Internal-combustion engines. 77,169; renewed Mar. 15, 1930.
 Weber and Hellbroner, Inc., New York, N. Y. Women's hats. 264,669; Dec. 3; Serial No. 287,167; published Sept. 10, 1929. Class 39.
 Wee Women, Inc., New York, N. Y. Women's and misses' coats. 264,789; Dec. 3; Serial No. 285,610; published Sept. 10, 1929. Class 39.
 Weinreb, Samuel A., Brooklyn, N. Y. Ointment. 264,726; Dec. 3; Serial No. 274,245; published Sept. 10, 1929. Class 6.
 Wells Flour Milling Company, Wells, Minn., assignor to International Milling Company, Minneapolis, Minn. Wheat flour. 77,593; renewed Apr. 19, 1930.
 Wells-Osen Milling Company, Du Pere, Wis. Field seeds. 264,771; Dec. 3; Serial Nos. 284,957; published Sept. 10, 1929. Class 1.
 West Disinfecting Company, Long Island City, N. Y. Disinfecting, deodorizing, and cleansing preparation. 264,663; Dec. 3; Serial No. 284,255; published Sept. 10, 1929. Class 6.
 West Disinfecting Company, Long Island City, N. Y. Disinfecting, deodorizing, and cleansing preparation. 264,711-12; Dec. 3; Serial Nos. 284,256-7; published Sept. 10, 1929. Class 6.
 Western Sugar Refinery. (See Spreckels, J. D. and A. B., Investment Company.)
 Widlar Company, The, Cleveland, Ohio. Olives, mince-meat, tea, etc. 264,804; Dec. 3. Class 46.
 Wielands Incorporated. (See San Francisco Breweries Ltd., assignor.)
 Williams, Harvey & Co. Limited, Hayle, to Williams, Harvey & Co. Limited, Liverpool, England. Tin. 76,805; renewed Feb. 15, 1930.
 Williams Mfg. Co. (See Imperial Chemical Mfg. Co., The.)
 Zimmerman & Signal. (See Signal, Paul R.)
 Zola Laboratories, The. (See Butler, Gordon W.)

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

Fort Howard Paper Company, Green Bay, Wis. Grand-Tex. For Toilet Paper. 36,708; Dec. 3.
 George's Honey Kiss Pop Corn, Inc., Milford, Conn. George's Honey Kiss Pop Corn. For Flavored and Sweetened Pop Corn. 36,709; Dec. 3.
 Health School Inc., The, Chicago, Ill. Dr. Clark's Sanatological Oil Health School Brand. For Medicinal Oil. 36,710; Dec. 3.
 Lafayette Pharmaceutical Inc., La Fayette, Ind. Enterocap Oralsulin. Hormone of the Pancreas. For Medicinal Preparation. 36,711; Dec. 3.
 Nalle, William C., doing business as Wachsellan Mantone Medicine Co., Baltimore, Md. Mantone Tonic. For Tonic Medicine. 36,712; Dec. 3.

Savory Baking Company, Newark, N. J. Molly Pitcher. For Cookies. 36,713; Dec. 3.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Bakers' Wednesday Special Solid Pack Pie Pears. For Canned Pears. 36,714; Dec. 3.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Bakers' Wednesday Special Pears. For Canned Pears. 36,715; Dec. 3.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Bakers' Wednesday Special Apricots. For Canned Apricots. 36,716; Dec. 3.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Bakers' Wednesday Special Solid Pack Pie Apricots. For Canned Apricots. 36,717; Dec. 3.
 Wachsellan Mantone Medicine Co. (See Nalle, William C.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

American Lead Pencil Company, doing business as American Pencil Company, New York, N. Y., and Hoboken, N. J. Venus Pencils—Venus—Largest Selling Quality Pencil in the World—Only in Venus—With Its 17 Perfectly Uniform Black and 3 Copying Degrees—Can You Find Exactly the Pencil You Want. For Pencils. 12,237; Dec. 3.
 American Lead Pencil Company, doing business as American Pencil Company, New York, N. Y., and Hoboken, N. J. Venus Pencils—Largest Selling Quality Pencil in the World—Five Senses are Yours to Use. For Pencils. 12,238; Dec. 3.

Paramount Distributors, Chicago, Ill. This Certificate is Worth \$4.00. For Imitation Pearls. 12,239; Dec. 3.
 Simplex Piston Ring Company of America, Inc., The, Cleveland, Ohio. Simplex. For Piston Rings. 12,240; Dec. 3.
 Tily, Thomas P., Chicago, Ill. We Issue Insurance Stamps. For Insurance Trading Stamps. 12,241; Dec. 3.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adam, J. N. & Co., Buffalo, N. Y. Boots and shoes. 287,322; Dec. 3. Class 39.
Adler, Julius L., doing business as Big Ben Company, Cleveland, Ohio. Salad dressing, Creole sauce, French dressing, and sandwich spread. 268,054; Dec. 3. Class 46.
Albers Bros. Milling Co., San Francisco, Calif. Cereal products. 290,730; Dec. 3. Class 46.
Alexander-Balart Co., San Francisco, Calif. Magazine. 290,988; Dec. 3. Class 38.
Alpha Sigma Lambda National Fraternity, Chicago, Ill. Publications. 276,241; Dec. 3. Class 38.
American Association of Petroleum Geologists, The, Tulsa, Okla. Publication. 289,142; Dec. 3. Class 38.
American Clip Company, (See Kline, Fred J.)
American Disinfecting Company, Inc., Sedalia, Mo. Dry cleaners. 291,042; Dec. 3. Class 4.
American Forestry Company, The. (See Borst, Theodore F.)
American Highway Service, Pineville, Ky. Road signs. 288,738; Dec. 3. Class 50.
Anchor Box & Lumber Company, Millvale, Pa. Wooden boxes, steel products, batteries, etc. 283,024; Dec. 3. Class 2.
Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Petroleum by-product. 291,423; Dec. 3. Class 6.
Archipenko, Alexander, New York, N. Y. Works of art. 286,021; Dec. 3. Class 50.
Ar-Co Products, Inc., Brooklyn, N. Y. Mouth wash and breath deodorant. 290,868; Dec. 3. Class 6.
Arctic Fuel Company, The, Des Moines, Iowa. Coal. 287,326; Dec. 3. Class 1.
Arlette, Inc., Louisville, Ky. Hair-waving sachets. 280,978; Dec. 3. Class 44.
Atlantic Mills, The, Olneyville and Providence, R. I. Dress and coating fabrics in the piece. 288,897; Dec. 3. Class 42.
Atlas Sales Company, (See Hollingsworth, Wade.)
Antezor Studios Incorporated, Norfolk and Keanoke, Va. Photographs, photographic and oil paintings. 290,645; Dec. 3. Class 38.
Autographic Register Company, Hoboken, N. J. Plain, lithographed, and printed paper strips, leaves, and sheets. 290,927; Dec. 3. Class 37.
Badger Rubber Works, The, Milwaukee and Cudahy, Wis. Cement. 291,424-5; Dec. 3. Class 5.
Bamberger, L. & Co., Newark, N. J. Hats, shoes, slippers, etc. 288,633; Dec. 3. Class 39.
Bamberger, L. & Co., Newark, N. J. Clocks and watches. 290,292; Dec. 3. Class 27.
Bamberger, L. & Co., Newark, N. J. Braids, buttons, buckles, etc. 290,295; Dec. 3. Class 40.
Bamberger, L. & Co., Newark, N. J. Ash receivers, smoking sets, humidifiers, etc. 290,298; Dec. 3. Class 8.
Barnard, Geo. D., Stationery Company, St. Louis, Mo. Typewriter ribbons and carbon papers. 286,733; Dec. 3. Class 11.
Bell, Ivan C., doing business as I. C. Bell Manufacturing Company, Dallas, Tex. Articles molded from rubber and rubber compound. 284,321; Dec. 3. Class 35.
Bender, Matthew, & Company, Inc., Albany, N. Y. Series of New York corporation statutes, annotations, or forms. 289,612; Dec. 3. Class 38.
Best Made Doughnut Company, (See Walker, Madge.)
Big Ben Company, (See Adler, Julius L.)
Bigelow, Burton, Inc., Buffalo, N. Y. Pamphlet. 291,080; Dec. 3. Class 38.
Bloomsburg Silk Mill, New York, N. Y. Fabrics. 290,237; Dec. 3. Class 42.
Blue Valley Creamery Company, Chicago, Ill. Milk and cream. 288,780; Dec. 3. Class 46.
Borst, Theodore F., doing business as The American Forestry Company, Framingham Center, Mass. Garden tools and accessories. 283,372; Dec. 3. Class 23.
Borst, Theodore F., doing business as The American Forestry Company, Framingham Center, Mass. Garden tools. 283,375; Dec. 3. Class 23.
Bowler's News and Amateur Sports Publishing Company, (See Kopperud, Ellen E.)
Boyle, John, & Company, Incorporated, New York, N. Y. Cotton duck and filter cloth. 290,925; Dec. 3. Class 42.
Bozeman Canning Co., Mount Vernon, Wash. Canned vegetables. 291,435; Dec. 3. Class 46.
Breakstone Bros., Inc., New York, N. Y. Butter. 290,812; Dec. 3. Class 46.
Breakstone Bros., Inc., New York, N. Y. Cheese. 290,813; Dec. 3. Class 46.
Bridgeport Brass Company, Bridgeport, Conn. Gas lanterns. 277,279; Dec. 3. Class 34.
Bright, Fred R., doing business as Fred R. Bright Co., El Centro, Calif. Fresh cantaloupes and honeydew melons, fresh vegetables. 282,724; Dec. 3. Class 46.
Brighton Chemical Supply Co., (See Passenheim, Oscar W.)

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Brinkerhoff Electric Company, The, West New York, N. J. Incandescent electric lamps. 290,814; Dec. 3. Class 21.
Bristow, Claude S., Toledo, Ohio. Carburetors and attachments. 290,543; Dec. 3. Class 23.
Brooks-Hirth-Corbett Corporation, Fernandina and St. Augustine, Fla. Canned grapefruit. 289,441; Dec. 3. Class 46.
Bryant, Joseph E., Los Angeles, Calif. Preparation for use in the treatment of the hair and scalp. 288,459; Dec. 3. Class 6.
Buchan Telephone Records Company, Philadelphia, Pa. Loose-leaf binders, covers for loose-leaf binders, and loose-leaf forms. 282,909; Dec. 3. Class 37.
Burklin, William H., St. Louis, Mo. Card games. 289,016; Dec. 3. Class 22.
Cahaba Rock Gluger Ale Co., (See Richardson, P. P.)
California Stucco Products Company of Missouri, Kansas City, Mo. Composition wax for stucco walls. 289,004; Dec. 3. Class 12.
Calumet Refining Co., Chicago, Ill. Lubricating oils. 290,546; Dec. 3. Class 15.
Cameron, William J., doing business as Cameron Electromaton Co., Chicago, Ill. Toilet outfit for manicure, massage, and the like. 286,976; Dec. 3. Class 44.
Carrier Engineering Corporation, Newark, N. J. Air-conditioning and drying, ventilating, etc. apparatus and systems, air washers, etc. 281,342-3; Dec. 3. Class 34.
Carson Pirie Scott & Co., Chicago, Ill. Publication. 290,936; Dec. 3. Class 38.
Cataract Products Corporation, Rochester, N. Y. Liquid malt for baking and cooking. 290,009; Dec. 3. Class 46.
Central Pharmacy, Inc., Fitzgerald, Ga. Treatment of skin diseases. 290,937; Dec. 3. Class 6.
Chase Bag Company, New York, N. Y. Mesh bags. 290,548; Dec. 3. Class 2.
Chase Bag Company, New York, N. Y. Mesh bags. 290,687; Dec. 3. Class 2.
Chemische Fabrik Grunau Landshoff & Meyer Aktiengesellschaft, Grunau, Germany. Preparations for hardening cement and increasing its resistance to water and weak acids. 286,030; Dec. 3. Class 12.
Cheney Company, The, Melrose, Mass. Sheet-metal flashing. 280,167; Dec. 3. Class 12.
Coates, Robert B., Washington, D. C. Mechanical advertising device. 283,987; Dec. 3. Class 23.
Coburn, Julia C., doing business as Coburn Mfg. Co., New York, N. Y. Cough drops. 290,938; Dec. 3. Class 6.
Colgate-Palmolive-Peet Company, Chicago, Ill. Soap. 291,311; Dec. 3. Class 4.
Colprovia Roads, Inc., New York, N. Y. Paying aggregate coated with bitumen. 287,910; Dec. 3. Class 12.
Compagnie Generale d'Electricite, Paris, France. Nails, bolts, and screws. 285,196; Dec. 3. Class 13.
Concrete Marble Company, St. Louis, Mo. Precast concrete-marble product. 290,652; Dec. 3. Class 12.
Curtiss Aeroplane and Motor Company, Inc., Garden City and Buffalo, N. Y. Internal-combustion motors. 290,888; Dec. 3. Class 28.
Curtiss Candy Company, The, Chicago, Ill. Candy. 270,574; Dec. 3. Class 43.
Curtiss Candy Company, The, Chicago, Ill. Peanut butter and mustard. 280,992; Dec. 3. Class 46.
Dalby, Thomas, Co., Watertown, Mass. Underwear. 290,382; Dec. 3. Class 39.
Defiance Manufacturing Company, The, Barrowsville, Mass. Textile fabrics in the piece. 273,394; Dec. 3. Class 42.
Detroit Boring Bar Company, The, Detroit, Mich. Cutter-boring bars, reamer bars, counterbores, etc. 283,946; Dec. 3. Class 23.
Di Santo, Joseph, doing business as Di Santo & Co., Duluth, Minn. Salt. 290,555; Dec. 3. Class 6.
Doubleday, Doran & Company, Inc., Garden City, N. Y. Publications. 290,997-8; Dec. 3. Class 38.
Drake, W. L., doing business as Humboldt Elevator Mills, Humboldt, Kans. Calf meal, poultry, hog, and pig feeds. 273,743; Dec. 3. Class 46.
Eagle Liquid Gas & Oil Company, Inc., The, Cincinnati, Ohio. Oils, greases, and kerosene. 287,124; Dec. 3. Class 15.
Edwards Manufacturing Company, The, Cincinnati, Ohio. Markers, indicators, signs, etc. 281,138; Dec. 3. Class 50.
Eghian, Setrac G., New York, N. Y. Dry-cleaning fluid. 288,823; Dec. 3. Class 4.
Empson, Frank F., Ltd., Birmingham, England. Brooches, hat ornaments, necklets, etc. 278,870; Dec. 3. Class 28.
Euclid Candy Co., The, Cleveland, Ohio. Chewing gum. 290,942; Dec. 3. Class 46.
Fabrique Suisse de Farine, Lacto-Rebe S. A., Morat, Switzerland. Infant's food. 274,327; Dec. 3. Class 46.
Faek, Hugo R., doing business as Vitae Health Products Company, San Antonio, Tex. Outfit of instruments. 284,926; Dec. 3. Class 44.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Falkingham, Percival E., New York, N. Y. Astringents, astrigent cerates, bleach and beauty creams, etc. 291,268; Dec. 3. Class 6.
Federal Cartridge Corporation, Minneapolis, Minn. Shot shells. 291,558; Dec. 3. Class 9.
Federman, M. J., Co., Inc., New York, N. Y. Hosiery, sweaters, and underwear. 290,656; Dec. 3. Class 39.
Filene's, Wm., Sons Company, Boston, Mass. Brushes and whisk brooms. 289,718; Dec. 3. Class 29.
Filene's, Wm., Sons Company, Boston, Mass. Sun watches, watches, and clocks. 289,719; Dec. 3. Class 27.
Filene's, Wm., Sons Company, Boston, Mass. Bicycles, baby carriages, go-carts. 289,724; Dec. 3. Class 19.
Filene's, Wm., Sons Company, Boston, Mass. Sewing baskets and boxes, bags of textile, etc. 289,726; Dec. 3. Class 2.
Filene's, Wm., Sons Company, Boston, Mass. Drinking cups, mugs, platters, sugar bowls, etc. 289,732; Dec. 3. Class 13.
Filene's, Wm., Sons Company, Boston, Mass. Textile blankets, sheets, towels, etc. 289,741; Dec. 3. Class 42.
Fischer, B. & Co., Inc., New York, N. Y. Tea. 290,309; Dec. 3. Class 46.
Fisk Rubber Company, The, Chiloque Falls, Mass., and Cudahy, Wis. Vehicle tires. 290,892; Dec. 3. Class 35.
Fiske, J. Parker B., Boston, Mass. Gas and oil burners, furnaces, etc. 289,402; Dec. 3. Class 34.
Florlan, Inc., Detroit, Mich. Shaving cream. 283,271; Dec. 3. Class 4.
Fome-Kleen, Inc., Buffalo, N. Y. Cleaning and renovating substance. 288,701; Dec. 3. Class 4.
Gebhardt Chili Powder Co., San Antonio, Tex. Chili con carne, chili powder, sandwich spread, etc. 291,123; Dec. 3. Class 46.
General Dyestuff Corporation, New York, N. Y. Product used for sizing artificial silk. 291,214; Dec. 3. Class 6.
General Implement Company, Racine, Wis. Flows. 290,401; Dec. 3. Class 23.
Gestetner, D. Limited, London, England. Stencil inks. 287,702; Dec. 3. Class 11.
Giovannoli, Ferruccio, Chicago, Ill. Cakes. 289,828; Dec. 3. Class 46.
Globe Automatic Sprinkler Company, Philadelphia, Pa. Systems for the automatic control of fire doors, windows, etc. 281,826; Dec. 3. Class 23.
Godde, Albert, Berlin, Inc., New York, N. Y. Dress fabric of silk. 287,274; Dec. 3. Class 42.
Goetze, Albert F., Incorporated, Baltimore, Md. Cooked meats. 243,601; Dec. 3. Class 46.
Golden West Products Co., Inc., Los Angeles, Calif. Canned fruits, canned fish, flavoring extracts, etc. 289,623; Dec. 3. Class 46.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Butter. 284,226; Dec. 3. Class 46.
Gross, Benjamin & Edward J., Co., Inc., New York, N. Y. Finger rings and mountings therefor. 290,353-8; Dec. 3. Class 28.
Gross, Benjamin & Edward J., Co., Inc., New York, N. Y. Finger rings and mountings therefor. 290,361-3; Dec. 3. Class 28.
Habne & Company, Newark, N. J. Valises, grips, suitcases, etc. 287,296; Dec. 3. Class 3.
Hammermill Paper Company, Erie, Pa. Bond writing paper. 286,883; Dec. 3. Class 37.
Handler, Harry, St. Louis, Mo. Cigarettes. 288,520; Dec. 3. Class 17.
Haventh, Eyraud, & Co., (See Wilbur-Ellis Co., assignor.)
Heilig & Floren, Inc., New York, N. Y. Gloves. 290,067; Dec. 3. Class 39.
Herbstman, Samuel, doing business as S. H. Products Co., Brooklyn, N. Y. Cleaner, shampoo, hair cleaner, etc. 285,475; Dec. 3. Class 4.
Hind & Harrison Plush Co., The, New York, and Clark Mills, N. Y. Pile fabrics in the piece. 291,452; Dec. 3. Class 42.
Hollingsworth, Wade, doing business as Atlas Sales Company, Oakland, Calif. Hydraulic automobile lifts. 282,180; Dec. 3. Class 23.
Homan Manufacturing Company, The, Cincinnati, Ohio. Beverage shakers. 289,113; Dec. 3. Class 28.
Horton Manufacturing Company, The, Bristol, Conn. Steel shafts for golf clubs. 289,745; Dec. 3. Class 22.
Hoyt's Brothers, Inc., Newark, N. J. Cocoa, chocolate puddings, etc. 290,836; Dec. 3. Class 46.
Hoyt's Brothers, Inc., Newark, N. J. Rose disinfectant, insecticides, disinfectants, etc. 290,837; Dec. 3. Class 6.
Humboldt Elevator Mills, (See Drake, W. L.)
I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Photographic cameras, projectors, stereoscopes, etc. 287,806; Dec. 3. Class 26.
Iso Gesellschaft m. b. H., Frankfurt-on-the-Main, Germany. Glass ampullas. 288,301; Dec. 3. Class 33.
Janszen Company, The, Cincinnati, Ohio. Canned vegetables and fruits, etc. 266,031; Dec. 3. Class 46.
Jenkins, George M., Hemmingford, Nebr. Seed potatoes. 271,969; Dec. 3. Class 1.
Johnson, Arnie, Riceville, Iowa. Stock medicine. 290,181; Dec. 3. Class 6.
Johnson, Margaret S., Baltimore, Md. Compound for promoting the growth of the hair. 291,564; Dec. 3. Class 6.

389 O. G.—17a

Kline, Fred J., doing business as American Clip Company, Long Island City, N. Y. Loose-leaf binders, folders, desk files, etc. 291,167; Dec. 3. Class 37.
Kopperud, Ellen E., doing business as Bowler's News and Amateur Sports Publishing Company, Milwaukee, Wis. Magazine. 290,706; Dec. 3. Class 38.
Kreiss, Alice, Forest Hills, N. Y. Diabetic flour. 291,512; Dec. 3. Class 46.
Krem-Ko Company, Chicago, Ill. Beverages. 282,243; Dec. 3. Class 45.
Laboratorios Mannell S. A., Mexico, Mexico. Medicinal product. 286,642; Dec. 3. Class 6.
La Grone, Minnie M., (See Odom, Anthony M., assignor.)
Laws, Roland, doing business as Laws Exterminating Co., Webster Groves, Mo. Insecticide. 291,060; Dec. 3. Class 6.
Leeve, Ernest F., doing business as The Sealite Sales Company, Cleveland, Ohio. Traffic-light reflector mirror for automobiles. 285,580; Dec. 3. Class 19.
Levine, Louis, & Sons, Cincinnati, Ohio. Dresses and coats. 289,466; Dec. 3. Class 39.
Levy, Leo, New York, N. Y. Piston heads and pumps. 280,127; Dec. 3. Class 23.
Libman-Spanjer Corporation, New York, N. Y. Advertising device. 284,474; Dec. 3. Class 21.
Lidley, Will G., doing business as The Lidley Laboratories, San Francisco, Calif. Chocolate-flavored emulsion of agar-agar and mineral oil. 280,505; Dec. 3. Class 6.
Linitorque Corporation, The, New York, N. Y. Automatic valve closing and opening machines. 290,961; Dec. 3. Class 23.
Lubin Perfumery Corporation, Wilmington, Del., and New York, N. Y. Perfume, toilet water, face cream, etc. 288,752; Dec. 3. Class 6.
Lustberg, Nast & Co., Inc., New York, N. Y. Cotton suede cloth. 289,632; Dec. 3. Class 42.
Madden, Irwin A., doing business as Producers Dairy Co., Springfield, Ill. Fresh milk, buttermilk, cottage cheese, etc. 274,057; Dec. 3. Class 46.
Mahran, Charles J., Brooklyn, N. Y. Luggage. 271,656; Dec. 3. Class 3.
Maine Manufacturing Company, The, Nashua, N. H. Refrigerators. 291,678; Dec. 3. Class 31.
Makransky, S., & Sons, Philadelphia, Pa. Suits, overcoats, and topcoats. 290,582; Dec. 3. Class 39.
Manhattan Shirt Co., The, New York, N. Y. Shirts. 290,218; Dec. 3. Class 39.
Maravigna North Street Macaroni Co., doing business as Maravigna Macaroni Co., Boston, Mass. Macaroni. 290,074; Dec. 3. Class 46.
Marshall, Charles H., New York, N. Y. Laxative preparation. 291,229; Dec. 3. Class 6.
Martin, Ben, & Son, Muskogee, Okla. Fresh potatoes. 290,027; Dec. 3. Class 46.
Masury-Young Company, Charlestown, Mass. Preparation for cleansing and polishing linoleum, etc. 290,847; Dec. 3. Class 4.
May Department Stores Company, The, St. Louis, Mo. Shoes. 281,056; Dec. 3. Class 39.
McKesson & Robbins, Incorporated, Bridgeport, Conn. Inhalant for relieving head colds, etc. 290,137; Dec. 3. Class 6.
McKesson & Robbins, Incorporated, Bridgeport, Conn. Mouth wash. 290,585; Dec. 3. Class 6.
McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston rings. 290,902; Dec. 3. Class 35.
Meridith Publishing Company, Des Moines, Iowa. Publication. 291,195; Dec. 3. Class 38.
Miller Publishing Company, The, Minneapolis, Minn. Newspaper. 291,231; Dec. 3. Class 38.
Morris, E., Mfg. Co., Detroit, Mich. Razors and shears. 291,520; Dec. 3. Class 23.
Morris, Karl K., Cleveland, Ohio. Paper bond and coupon filing folders. 289,095; Dec. 3. Class 37.
Morten-Davis Hosiery Mills, Dallas, Tex. Hosiery. 290,422; Dec. 3. Class 39.
N-I-M-C Laboratories, (See Odom, Anthony M., jr.)
National Home & School Association, Chicago, Ill. Printed books. 291,232; Dec. 3. Class 38.
Newport Company, The, Carrollville, Wis. Rosin. 270,643; Dec. 3. Class 1.
Newport Company, The, Carrollville, Wis. Rosin. 270,645; Dec. 3. Class 1.
Oakland Pioneer Soda Water Company, Oakland, Calif. Beverage. 289,940; Dec. 3. Class 45.
Odom, Anthony M., jr., doing business as N-I-M-C Laboratories, Memphis, Tenn., assignor to Minnie M. La Grone, Blackwell, Okla. Iron mineral compound. 284,689; Dec. 3. Class 6.
Old Colony Envelope Company, Westfield, Mass. Writing and printing papers and mailing envelopes, etc. 291,290; Dec. 3. Class 37.
O-Ien-Ta Medicine Co., Cleveland, Ohio. Laxative tonic medicinal preparation. 288,031; Dec. 3. Class 6.
Parker Rust-Proof Company, Detroit, Mich. Chemical materials. 288,392; Dec. 3. Class 6.
Passenheim, Oscar W., doing business as Brighton Chemical Supply Co., Chicago, Ill. Disinfectant, deodorizer, germicide, etc. 290,143; Dec. 3. Class 6.

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Peerless Rubber Company, Chicago, Ill. Sponge-rubber products. 283,050-1; Dec. 3. Class 32.
 Peninsular Paper Company, Ypsilanti, Mich. Book paper and cover paper. 290,908; Dec. 3. Class 37.
 Perdue Furniture Co., Atlanta, Ga. Article of furniture. 291,404; Dec. 3. Class 32.
 Petit, Albert O., Newark, N. J. Puzzle. 283,538; Dec. 3. Class 22.
 Pignatelli, Luigi, Tacoma, Wash. Shoes. 290,145; Dec. 3. Class 39.
 Pimpao, L., & Co., Elizabeth, N. J. Coffee. 290,906; Dec. 3. Class 46.
 Plexo Preparations, Inc., New York, N. Y. Astringents, astrigent cerates, bleach and beauty creams, etc. 289,248; Dec. 3. Class 6.
 Pollak, Henry, Inc., New York, N. Y. Felt hats. 290,603; Dec. 3. Class 39.
 Producers Dairy Co. (See Madden, Irwin A.)
 Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor fuel oils and lubricating oils and greases. 283,298; Dec. 3. Class 15.
 Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor fuels, lubricating oils, and lubricating greases. 289,203-4; Dec. 3. Class 15.
 Purity Oats Company, Keokuk, Iowa. Rolled oats or oat flakes. 276,275; Dec. 3. Class 46.
 Rajah Oil & Refining Company, The, Youngstown, Ohio. Gasoline. 290,031; Dec. 3. Class 15.
 Raytheon Production Corporation, Newton, Mass. Vacuum tubes and valves. 287,310; Dec. 3. Class 21.
 Reading Iron Company, Reading, Pa. Metal tubing. 290,600; Dec. 3. Class 13.
 Recknitz, Otto, Kaulsdorf, near Berlin, Germany. Cocoa, chocolate, candies, etc. 285,035; Dec. 3. Class 46.
 Red & White Corp'n., Buffalo, N. Y. Canned fruits, vegetables, berries, coffee, etc. 286,274; Dec. 3. Class 46.
 Reed Candy Company, Chicago, Ill. Butterscotch. 284,277; Dec. 3. Class 46.
 Reeves, Parvin & Co., Philadelphia, Pa. Matches. 286,190; Dec. 3. Class 9.
 Reichardt, Cocoa & Chocolate Co. Inc., New Brunswick, N. J. Milk chocolate. 279,753; Dec. 3. Class 46.
 Reid, Raymond A., doing business as Reid-Way Company, Cedar Rapids, Iowa. Sanding machines, polishers, and grinders. 282,792; Dec. 3. Class 23.
 Reimer, Fred C. Co., Inc., New York, N. Y. Chinaware. 270,351; Dec. 3. Class 30.
 Rex Research Corporation, Toledo, Ohio. Insecticide. 289,323; Dec. 3. Class 6.
 Rich, M., & Bros. Co., Atlanta, Ga. Shee's and pillowcases. 286,954; Dec. 3. Class 42.
 Richards, Clarence J., Los Angeles, Calif. Roofs, roofing boards, shingles, etc. 283,301; Dec. 3. Class 12.
 Richardson, P. P., doing business as Cahaba Rock Ginger Ale Co., Atlanta, Ga. Fruit juices, beverages, syrups, etc. 289,943; Dec. 3. Class 45.
 Romanes and Paterson, Boston, Mass., and Edinburgh, Scotland. Suits, coats, sweaters, etc. 289,761; Dec. 3. Class 39.
 Roosen, H. D. Company, New York, N. Y. Inks, varnishes for printing, and dry colors for printing, etc. 290,604; Dec. 3. Class 11.
 Root & Pankey, Medford, Oreg. Fresh pears and fresh apples. 291,025; Dec. 3. Class 46.
 Rustless Iron Corporation of America, New York, N. Y. Iron and steel. 291,579; Dec. 3. Class 14.
 Rustless Iron Corporation of America, New York, N. Y. Iron and steel. 291,581-3; Dec. 3. Class 14.
 S. A. X. Safe T Fan Corporation. (See Xippas, Socrates A.)
 S. H. Products Co. (See Herbstman, Samuel.)
 Salzbergwerk Neu-Stassfurt, Stassfurt, Germany. Fertilizers. 289,420; Dec. 3. Class 10.
 Sanderson, Florence H., Los Angeles, Calif. Tea. 289,047; Dec. 3. Class 46.
 Satterfield, George M., Lakewood, Ohio. Cartoons. 290,149; Dec. 3. Class 38.
 Schering-Kahlbaum A. G., Berlin, Germany. 290,605; Dec. 3. Class 6.
 Sears, Roebuck and Co., Chicago, Ill. Toys. 290,610; Dec. 3. Class 22.
 Sears, Roebuck and Co., Chicago, Ill. Electric vacuum cleaners. 290,612; Dec. 3. Class 21.
 Sears, Roebuck and Co., Chicago, Ill. Toy moving-picture machine. 290,615; Dec. 3. Class 22.
 Sears, Roebuck and Co., Chicago, Ill. Electric vacuum cleaners. 290,618; Dec. 3. Class 21.
 Sealite Sales Company, The. (See Levee, Ernest F.)
 Sexton Can Company Incorporated, Everett and Boston, Mass. Sheet-metal cans. 274,575; Dec. 3. Class 2.
 Sharp & Dohme, Incorporated, Baltimore, Md. Synthetic alkaloid. 290,861; Dec. 3. Class 6.
 Shishelmer Bro. & Co., Chicago, Ill. Boots and shoes. 289,373-4; Dec. 3. Class 39.

Southern Spring Bed Company, Atlanta, Ga. Mattresses, beds, and springs. 290,979; Dec. 3. Class 32.
 Spear Folks, The, Portland, Me. Candy. 282,833; Dec. 3. Class 46.
 Stanavo Specification Board, New York, N. Y. Oils and greases. 287,503; Dec. 3. Class 15.
 Stanco Incorporated, New York, N. Y. Empty glass bottles. 290,621; Dec. 3. Class 33.
 Stanco Incorporated, New York, N. Y. Printed labels. 290,622; Dec. 3. Class 38.
 Standard Oil Company of Brazil, Fairmont, W. Va. Oils and lubricating greases. 290,626; Dec. 3. Class 15.
 Stevens & Seignior, Grand Rapids, Ohio. Honey. 277,981; Dec. 3. Class 46.
 Stivers, Theo., Milling Company, Cleveland, Tenn. Soft-wheat flour. 254,338; Dec. 3. Class 46.
 Stix, Baer & Fuller Company, St. Louis, Mo. Suits, overcoats, topcoats, etc. 290,437; Dec. 3. Class 39.
 Sun-Glo Neon Corporation, Fort Worth, Tex. Luminescent tubes, insulators, electrode housings, etc. 282,015; Dec. 3. Class 21.
 Swigert, Hart & Yett, Inc., Portland, Oreg. Concrete. 287,212; Dec. 3. Class 12.
 Tablin-Picker and Company, Chicago, Ill. Dresses. 290,275; Dec. 3. Class 39.
 Technicolor Motion Picture Corporation, Boston, Mass. Motion-picture films. 291,418; Dec. 3. Class 20.
 Televator Corporation, The, New York, N. Y. Portable dumb-walkers. 289,852; Dec. 3. Class 23.
 Thayer & Chandler, Chicago, Ill. Cleansing and toilet creams, skin lotion, beauty clay, etc. 273,332; Dec. 3. Class 6.
 Thomas, S. C., Weems, Va. Canned vegetables. 290,627; Dec. 3. Class 46.
 Trengrove, Charles T., doing business as Trengrove Poultry Farm, Portland, Oreg. Liniment and antiseptic-pad combination. 290,628; Dec. 3. Class 6.
 Ufa Films, Incorporated, New York, N. Y. Motion-picture photoplays. 290,765-7; Dec. 3. Class 20.
 Valentine & Company, New York, N. Y. Ready-mixed paints. 291,185; Dec. 3. Class 16.
 Valentine Laboratories, Inc. (See Walgreen Co.)
 Walway Rug Mills, Inc., Lagrange, Ga. Rugs. 280,678; Dec. 3. Class 42.
 Van Meter, James W., San Francisco, Calif. Domestic water-softening cells for attachment to plumbing fixtures. 263,801; Dec. 3. Class 13.
 Van Raalte Company, New York, N. Y. Fabric gloves. 289,608; Dec. 3. Class 39.
 Vaseley Company, The, Wichita, Kans. Medical compound. 290,801; Dec. 3. Class 6.
 Vitae Health Products Company. (See Fack, Hugo R.)
 Walgreen Co., doing business as Valentine Laboratories, Inc., Chicago, Ill. Mouth-wash preparation. 290,634; Dec. 3. Class 6.
 Walker, Madge, doing business as Best Made Doughnut Company, Savannah, Ga. Prepared and cooked doughnuts. 290,442; Dec. 3. Class 46.
 Warshaw, Philip H., Inc., Brooklyn, N. Y. Hair tonic. 275,878; Dec. 3. Class 6.
 Waterman Company, L. E., New York, N. Y. Fountain pens and mechanical pencils. 290,638; Dec. 3. Class 37.
 Watkins, J. R., Company, The, Winona, Minn. Salve. 291,254; Dec. 3. Class 6.
 Wernet Dental Mfg. Co., Inc., New York, N. Y. Preparation for the cleansing of artificial teeth. 285,400; Dec. 3. Class 4.
 West Virginia Pulp & Paper Company, New York, N. Y. Cover paper. 290,100; Dec. 3. Class 37.
 White, Otto, doing business as White's Shoe Shop, Spokane, Wash. Shoes. 286,143; Dec. 3. Class 39.
 Wilbur-Ellis Co., Seattle, Wash., assignor to Eyrard Havenith & Co., Antwerp, Belgium. Steel bars, angle irons, rails, and steel plate. 290,166; Dec. 3. Class 14.
 Wilhelmsdorfer Malzprodukten- und Chokoladen-Fabrik von Jos. Küferle & Co. Aktiengesellschaft, Vienna, Austria. Bread, cake, hard candy, etc. 270,809; Dec. 3. Class 46.
 Williams Bros. Co., Philadelphia, Pa. Piston. 290,168; Dec. 3. Class 23.
 Williams Sealing Corporation, Decatur, Ill. Bottle caps. 284,258; Dec. 3. Class 50.
 Windram Manufacturing Co., South Boston, Mass. Piece goods. 274,618; Dec. 3. Class 50.
 Wisconsin State Chamber of Commerce, Madison, Wis. Periodicals, particularly magazines. 290,678; Dec. 3. Class 38.
 Witte, John H., & Sons, Burlington, Iowa. Quick-drying enamel. 290,641; Dec. 3. Class 16.
 Xippas, Socrates A., doing business as S. A. X. Safe T Fan Corporation, Buffalo, N. Y. Electric stop and direction signal-light apparatus for vehicles. 272,785; Dec. 3. Class 21.
 Zilke, Wm. C., Gretna, Ga. Confections frozen into cubes. 290,443; Dec. 3. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Colorado Fuel & Iron Company. 264,641; Dec. 3; Serial No. 286,816; published Sept. 10, 1929.
 Coal. Hickman, Williams & Co. 264,643; Dec. 3; Serial No. 287,077; published Sept. 17, 1929.
 Coke. Corrigan, McKlancy Steel Company. 264,785; Dec. 3; Serial No. 284,113; published Sept. 17, 1929.
 Coke. Koppers Company. 264,653; Dec. 3; Serial No. 286,687; published Sept. 10, 1929.
 Fuel briquettes. Fernholtz Machinery and Manufacturing Company. 264,650; Dec. 3; Serial No. 286,630; published Sept. 17, 1929.
 Fur skins, partly-prepared. Drooker & Snowwhite, Inc. 264,731; Dec. 3; Serial No. 271,116; published Sept. 10, 1929.
 Furs. Helburn Thompson Company. 264,686; Dec. 3; Serial No. 286,327; published Sept. 3, 1929.
 Kid skins, tanned. Amalgamated Leather Companies. 264,652; Dec. 3; Serial No. 286,682; published Sept. 10, 1929.
 Leather. Barnett Leather Co. 264,684; Dec. 3; Serial No. 286,298; published Sept. 10, 1929.
 Leather for boots and shoes. Graton & Knight Mfg. Co. 76,621; renewed Feb. 1, 1930.
 Pitch for use in breweries. Deutsche Konservierungs-gesellschaft für Nahrungs- und Genussmittel m. b. H. 74,854; renewed Aug. 17, 1929.
 Plastic modelling material. American Crayon Company. 264,687; Dec. 3; Serial No. 286,407; published Sept. 10, 1929.
 Rosin. Newport Company. 264,640; Dec. 3; Serial No. 286,791; published Sept. 10, 1929.
 Seeds and seed grains, Grass, clover, and field. Albert Dickinson Company. 34,156; renewed Feb. 6, 1930.
 Seeds and seed grains, Grass, clover, and field. Albert Dickinson Company. 34,264; renewed Mar. 6, 1930.
 Seeds, Field. Wells-Olsen Milling Company. 264,771; Dec. 3; Serial No. 284,957; published Sept. 10, 1929.
 Shrubbery, trees, bushes, etc. Ornamental. Mecklenburg Nurseries. 264,651; Dec. 3; Serial No. 286,646; published Sept. 10, 1929.
 Skins and hides, tanned and dyed. La Zibeline Société Anonyme. 264,681; Dec. 3; Serial No. 285,745; published Sept. 3, 1929.
 Skins, tanned leather. Robertson Leather Company. 264,680; Dec. 3; Serial No. 285,639; published Sept. 10, 1929.
 Stone. Mountain Cross Granite Company. 264,648; Dec. 3; Serial No. 286,500; published Sept. 3, 1929.

CLASS 2

Bags and twine. Fulton Bag and Cotton Mills. 34,314; renewed Mar. 13, 1930.
 Dishes, Paper. Indiana Fibre Products Company. 264,719; Dec. 3; Serial No. 280,550; published May 28, 1929.

CLASS 3

Pads and housings for horse collars and harness. Burlington Blanket Company. 77,196; renewed Mar. 22, 1930.

CLASS 4

Abrasive materials. Manufactured articles of. Norton Emery Wheel Company. 33,757; renewed Nov. 14, 1929.
 Cleaning preparations, Dry. H. G. De Mille. 264,690; Dec. 3; Serial No. 276,687; published Feb. 12, 1929.
 Dressing, Rope. H. Channon Company. 33,923; renewed Dec. 19, 1929.
 Soap and shaving cream, Shaving. Colgate-Palmolive-Peet Company. 264,794; Dec. 3.
 Steel, Crushed. Pittsburgh Crushed Steel Co. 77,486; renewed Apr. 12, 1930.
 Sweeping compounds. Continental Mfg. Co. 76,735; renewed Feb. 15, 1930.

CLASS 6

Ammonia waving solution, olive oil shampoo, etc. E. L. Burnett. 264,727; Dec. 3; Serial No. 274,821; published Sept. 10, 1929.
 Arsenate of lead. Merrimack Chemical Co. 76,478; renewed Jan. 18, 1930.
 Astringents, astrigent cerates, bleach creams, etc. M. G. Birney. 264,671; Dec. 3; Serial No. 287,232; published Sept. 10, 1929.
 Baking powder. Royal Baking Powder Company. 76,260; renewed Dec. 28, 1929.
 Chloroform. Preparation of. Vertriebs-Gesellschaft Prof. Dr. Schleich'scher Präparate G. m. b. H. 76,318; renewed Jan. 4, 1930.
 Coloring matters. Badische Anilin & Soda Fabrik. 76,268; renewed Jan. 4, 1930.
 Compound for electroplating. Brightener. E. Wambaugh. 264,795; Dec. 3.
 Compound, Iron. Smooth-On Manufacturing Company. 34,161; renewed Feb. 6, 1930.
 Compounds, Medical. Fries Bros. 34,113; renewed Feb. 6, 1930.

Cream and lotion, kidney pills, liver tablets, etc. Face. L. D. Perkins. 264,721; Dec. 3; Serial No. 281,686; published Sept. 3, 1929.
 Disinfecting, deodorizing, and cleansing preparation. West Disinfecting Company. 264,663; Dec. 3; Serial No. 284,255; published Sept. 10, 1929.
 Disinfecting, deodorizing, and cleansing preparation. West Disinfecting Company. 264,711-12; Dec. 3; Serial Nos. 284,256-7; published Sept. 10, 1929.
 Dyes. Paas Dye Company. 264,797; Dec. 3.
 Fluxes, Soldering. Gesellschaft m. b. H. Classen & Co. 76,472; renewed Jan. 15, 1930.
 Fruit salts. C. Cederroth. 264,662; Dec. 3; Serial No. 283,492; published Sept. 10, 1929.
 Hair grower, pressing oil, and special temple grower. M. E. Strong. 264,668; Dec. 3; Serial No. 287,098; published Sept. 17, 1929.
 Hair-treating composition. Nestle-Le Mur Company. 264,670; Dec. 3; Serial No. 287,198; published Sept. 17, 1929.
 Insecticides. C. Deedera. 264,728; Dec. 3; Serial No. 275,350; published Sept. 17, 1929.
 Liniments. T. M. Sayman. 264,664; Dec. 3; Serial No. 286,082; published Sept. 17, 1929.
 Liquid, radiator-cleaning compound, Radiator-stop-leak. Tauhman Automotive Co. 264,697; Dec. 3; Serial No. 268,647; published Sept. 17, 1929.
 Medicated tooth pastes and mouth-wash tablets. Genatossan Limited. 264,742; Dec. 3; Serial No. 285,069; published Sept. 10, 1929.
 Medicinal preparation. Bisodol Company. 264,665; Dec. 3; Serial No. 286,683; published Sept. 17, 1929.
 Medicinal preparation. G. W. Butler. 264,718; Dec. 3; Serial No. 279,260; published July 2, 1929.
 Medicinal preparation. C. P. Mitchell. 264,709; Dec. 3; Serial No. 285,216; published Sept. 10, 1929.
 Medicinal preparation and compresses. Apotela Aktiengesellschaft. 264,710; Dec. 3; Serial No. 285,402; published Sept. 10, 1929.
 Medicinal seed. Lanman & Kemp, Inc. 264,764; Dec. 3; Serial No. 287,414; published Sept. 10, 1929.
 Medicine. T. Reed. 264,696; Dec. 3; Serial No. 267,721; published Sept. 25, 1928.
 Medicines, Emmenagogue. Vial. 75,195; renewed Sept. 14, 1929.
 Medicines, Sore throat and tonsillitis. H. C. Dodgson. 264,674; Dec. 3; Serial No. 287,338; published Sept. 17, 1929.
 Motor-treating compositions or fluids. Motor X-Ray Co. 264,717; Dec. 3; Serial No. 278,844; published May 7, 1929.
 Ointment. S. A. Weinreb. 264,726; Dec. 3; Serial No. 274,245; published Sept. 10, 1929.
 Perfumes, toilet waters, face powders, etc. Société Anonyme Douillet Dancet. 264,675; Dec. 3; Serial No. 287,375; published Sept. 10, 1929.
 Pharmaceutical preparations. Lantien Laboratories Inc. 264,787; Dec. 3; Serial No. 288,426; published Sept. 17, 1929.
 Photographable-developing substances. Chemische Fabrik auf Actien (vorm. E. Schering). 76,542; renewed Jan. 25, 1930.
 Pomade, a preparation for whitening the skin, and face powder. Hair. F. F. Lefkoff. 264,704; Dec. 3; Serial No. 259,008; published June 19, 1928.
 Pomade, Hair. J. C. Corryell. 264,705; Dec. 3; Serial No. 260,626; published Apr. 3, 1928.
 Preparation for eruptions on the face and body. M. Canfer. 264,606; Dec. 3; Serial No. 286,923; published Sept. 10, 1929.
 Preparation for preserving eggs. Rolland Products Company. 264,805; Dec. 3.
 Preparation for the treatment of falling hair and dandruff. J. R. B. Manufacturing Co. Inc. 264,672; Dec. 3; Serial No. 287,255; published Sept. 10, 1929.
 Preparation for the treatment of hogs and poultry, disinfectant, etc. Universal Remedies Company. 264,667; Dec. 3; Serial No. 287,030; published Sept. 10, 1929.
 Preparation for the treatment of prickly heat, etc. Charles Ammen Company. 264,740; Dec. 3; Serial No. 287,997; published Sept. 10, 1929.
 Preparation for use as an antiseptic, a hairdressing, etc. A. J. Krank. 264,706-7; Dec. 3; Serial Nos. 260,736-7; published Sept. 17, 1929.
 Preparation to be applied to tobacco. La Société à Responsabilité Limitée Nicotless. 264,741; Dec. 3; Serial No. 288,022; published Sept. 10, 1929.
 Remedies for burns, bruises, and ulcers. C. J. Ulrich. 76,264; renewed Dec. 28, 1929.
 Remedy for certain diseases. Norway Medicine Company. 76,819; renewed Feb. 15, 1930.
 Remedy for certain named diseases. M. Leprince. 33,541; renewed Oct. 10, 1929.
 Remedy for female diseases, Medicinal. South Bend Remedy Company. 76,556; renewed Jan. 25, 1930.
 Remedy for gonorrhea. Aktiengesellschaft vormals B. Siegfried. 75,951; renewed Nov. 30, 1929.
 Remedy for headaches and an anodyne. Eureka Headache Powder Company. 77,101; renewed Mar. 8, 1930.

Salve, J. F. King. 264,786; Dec. 3; Serial No. 288,424; published Sept. 17, 1929.
Sedative substances. Chemische Fabrik auf Aktien (vormals E. Schering). 76,468; renewed Jan. 18, 1930.
Sedatives. Genatosan Limited. 264,743; Dec. 3; Serial No. 288,070; published Sept. 10, 1929.
Shampoo. M. Kraft. 264,724; Dec. 3; Serial No. 270,848; published Dec. 4, 1928.
Sizing and stiffening for straws, felts, etc. Waterproof. Conrad T. Smith, Inc. 264,720; Dec. 3; Serial No. 281,173; published Sept. 10, 1929.
Solution, Sour-milk-testing. Dairy Laboratories. 264,673; Dec. 3; Serial No. 287,337; published Sept. 10, 1929.
Solvent and lye, Drainpipe. Buckeye Soda Company. 264,746; Dec. 3; Serial No. 288,415; published Sept. 17, 1929.
Toilet preparations. Imperial Chemical Mfg. Co. 76,716; renewed Feb. 8, 1930.
Tonic and promoter of metabolism. General reconstructive. Drug Products Co. Inc. 264,725; Dec. 3; Serial No. 273,583; published Feb. 12, 1929.
Vaccines. Genatosan Limited. 264,744; Dec. 3; Serial No. 288,071; published Sept. 10, 1929.

CLASS 8

Pipes, Tobacco. A. Oppenheimer & Co. 75,646; renewed Oct. 26, 1929.

CLASS 12

Brick. Acme Brick Company. 264,767-8; Dec. 3; Serial Nos. 284,598-9; published Sept. 17, 1929.
Calcined gypsum and plaster of Paris. United States Gypsum Company. 264,698; Dec. 3; Serial No. 253,486; published Sept. 3, 1929.
Cement. E. N. Gackenbach. 264,645; Dec. 3; Serial No. 287,406; published Sept. 17, 1929.
Chemical compound for waterproofing construction materials. Lewis Asphalt Engineering Corp. 264,679; Dec. 3; Serial No. 285,359; published Sept. 17, 1929.
Concrete. Swigert, Hart & Yett, Inc. 264,769; Dec. 3; Serial No. 284,704; published Sept. 17, 1929.
Construction material. Hutchinson Co. 264,775; Dec. 3; Serial No. 277,063; published Sept. 17, 1929.
Covering and asbestos cement. Asbestos cellular pipe. Johns Manville Corporation. 264,644; Dec. 3; Serial No. 287,188; published Sept. 17, 1929.
Doors, windows, and door and window frames. American Sash & Door Company. 264,654; Dec. 3; Serial No. 286,731; published Sept. 10, 1929.
Finish, interior trim, mouldings, and jambs. Southern Pine. Sabine Lumber Company. 264,642; Dec. 3; Serial No. 287,013; published Sept. 10, 1929.
Granite, cut and finished. Royal Granite Company. 264,677; Dec. 3; Serial No. 285,175; published Sept. 17, 1929.
Heat-insulating material. Brunner Engineering Corporation of New York. 264,676; Dec. 3; Serial No. 285,011; published Sept. 3, 1929.
Insulating material. Thermal. General Insulation Company. 264,647; Dec. 3; Serial No. 286,428; published Sept. 17, 1929.
Lime. Ohio Hydrate & Supply Company. 264,646; Dec. 3; Serial No. 287,974; published Sept. 17, 1929.
Marble. Mar-Blo Products Corporation. 264,782; Dec. 3; Serial No. 283,878; published Sept. 3, 1929.
Pipe-joint cement. S-H Sales Co. Inc. 264,708; Dec. 3; Serial No. 285,987; published Sept. 3, 1929.
Plaster and metal reinforcement. United States Gypsum Company. 264,649; Dec. 3; Serial No. 286,609; published Sept. 17, 1929.
Plywood and veneers. Bisco-Sperrplatten G. m. b. H. 264,776; Dec. 3; Serial No. 277,859; published Sept. 17, 1929.
Shingles, Composition. Logan-Long Company. 264,780-1; Dec. 3; Serial Nos. 283,573-4; published Sept. 10, 1929.
Tile, floor, wall, and similar. Flint Falence & Tile Company. 264,685; Dec. 3; Serial No. 286,319; published Sept. 3, 1929.

CLASS 13

Chains, valves, cocks, chain couplings, and tube couplings. Daimler-Motoren-Gesellschaft. 75,681; renewed Nov. 2, 1929.
Steam specialties. Certain. Strong, Carlisle & Hammond Co. 76,802; renewed Feb. 15, 1930.
Utensils, Cooking. Sta-Brite Products Corporation. 264,796; Dec. 3.
Valve balls, Flush-tank. Lavelle Rubber Co. 264,722; Dec. 3; Serial No. 271,701; published Nov. 27, 1928.

CLASS 14

Alloys and metal aggregate compositions and metals. Fifth-Sterling Steel Company. 264,739; Dec. 3; Serial No. 287,964; published Sept. 10, 1929.
Iron, steel, bronze, etc. Siemens-Schuckertwerke Aktien-gesellschaft. 264,700; Dec. 3; Serial No. 255,933; published Sept. 10, 1929.
Iron, steel, bronze, etc. Siemens-Schuckertwerke Aktien-gesellschaft. 264,701; Dec. 3; Serial No. 258,553; published Sept. 10, 1929.
Metal. H. Channon Company. 33,792; renewed Nov. 21, 1929.

Metals and metal castings, Nonferrous. National Bronze and Aluminum Foundry Company. 264,688; Dec. 3; Serial No. 269,597; published Sept. 17, 1929.
Steel. Seeborn & Dieckstahl, Ltd. 75,829; renewed Nov. 16, 1929.

Tin. Williams, Harvey & Co. Limited. 76,805; renewed Feb. 15, 1930.
Zinc, Spelter or slab. New Jersey Zinc Company. 34,441; renewed Apr. 3, 1930.

CLASS 15

Greases, Lubricating. Penna. Lubricating Co. 75,686; renewed Nov. 2, 1929.
Oil, Lubricating. C. Garson. 76,873; renewed Feb. 22, 1930.
Oils and greases. Superior Refining Co. 75,519; renewed Oct. 12, 1929.
Oils, Lubricating. Crescent Oil Company. 77,518; renewed Apr. 19, 1930.
Petroleum, Refined. Standard Oil Co. of New York. 76,801; renewed Feb. 15, 1930.

CLASS 16

Paint. A. Frée. 76,404; renewed Jan. 11, 1930.
Varnishes and japans. Forbes Varnish Company. 77,528; renewed Apr. 19, 1930.

CLASS 17

Cigarettes and smoking tobacco. Stephano Brothers. 33,327; renewed Aug. 8, 1929.
Cigars. Independence Cigar Mfg. Co. 74,859; renewed Aug. 17, 1929.
Cigars. H. Fraiser & Company, Incorporated. 77,466; renewed Apr. 12, 1930.
Cigars. Walitt & Bond, Incorporated. 77,120; renewed Mar. 8, 1930.
Tobacco. Larus & Brother Co. Incorporated. 264,745; Dec. 3; Serial No. 288,353; published Sept. 17, 1929.

CLASS 19

Vehicles, Automatically-propelled wheeled. "Locomobile" Company of America. 33,490-2; renewed Sept. 19, 1929.
Wagons. Florence Wagon Works. 75,934-5; renewed Nov. 30, 1929.
Wheelbarrows. Toledo Wheelbarrow Company. 76,676; renewed Feb. 8, 1930.

CLASS 21

Wire and insulated wire cables. Insulated. Boston Insulated Wire & Cable Company. 75,467; renewed Oct. 5, 1929.

CLASS 23

Cleaning and renovating apparatus and parts thereof. Pneumatic. Electric Renovator Manufacturing Co. 76,680; renewed Feb. 8, 1930.
Die stocks. Oster Manufacturing Company. 77,559; renewed Apr. 19, 1930.
Engines, Internal combustion. Waterloo Gasoline Engine Company. 77,169; renewed Mar. 15, 1930.
Harrows, revolving plows, cultivators, and seeders. Cut-away Harrow Co. 77,388; renewed Apr. 5, 1930.
Machetes. Ralph Marindale & Co. Limited. 76,844; renewed Jan. 4, 1930.
Machines used in the manufacture of tobacco. Koelner Werkzeugmaschinenfabrik von Wihl. Quester. 264,793; Dec. 3.
Molds, Cigar. Miller Dubrul & Peters Mfg. Co. 75,868; renewed Nov. 23, 1929.
Nippers, pliers, punches, and hand tools. William Schollhorn Company. 77,278; renewed Mar. 22, 1930.
Stillis. I. H. Jewell. 74,985; renewed Aug. 24, 1929.
Tools and machinery. Daimler-Motoren-Gesellschaft. 76,020; renewed Dec. 7, 1929.

CLASS 26

Counting machines. C. J. Root Company. 74,899; renewed Aug. 17, 1929.
Machines, Counting. C. J. Root Company. 76,352; renewed Jan. 11, 1930.
Scales, Weighing. Ralston Scales Corporation. 264,799; Dec. 3.
Transits. Buff & Buff Instrument Manufacturing Co. 34,303; renewed Mar. 6, 1930.

CLASS 27

Clocks. New Haven Clock Co. 264,809; Dec. 3.

CLASS 28

Bracelets. Hadley Company, Inc. 264,801; Dec. 3.
Sapphires. L. Heller & Son. 76,513; renewed Jan. 25, 1930.
Silverware. Gorham Manufacturing Company. 33,903; renewed Dec. 19, 1929.

CLASS 29

Cloths, Industrial wiping. Oakleaf Mills. 264,695; Dec. 3; Serial No. 266,476; published Dec. 11, 1928.

CLASS 31

Refrigerator, Electric. Gaus Manufacturing Co. 264,748; Dec. 3; Serial No. 287,750; published Sept. 24, 1929.

CLASS 32

Mattresses. U. S. Bedding Company. 77,410; renewed Apr. 5, 1930.

CLASS 34

Bollers and heaters. American Radiator Company. 75,777; renewed Nov. 16, 1929.
Screens, Wire. W. S. Tyler Company. 76,608; renewed Feb. 1, 1930.
Stoves and ranges. A. J. Lindemann & Hoverson Company. 76,613; renewed Feb. 1, 1930.

CLASS 35

Hose, Rubber. Peerless Rubber Manufacturing Company. 76,258; renewed Dec. 28, 1929.

CLASS 37

Duplicating apparatus and certain stationery. E. A. Klaber. 76,400; renewed Jan. 11, 1930.
Paper and envelopes. Taylor-Burt Co. 77,681; renewed Apr. 26, 1930.
Paper, Book. Oxford Paper Co. 264,812; Dec. 3.
Paper, Writing and printing. American Writing Paper Company. 77,183; renewed Mar. 15, 1930.
Paper, Writing and printing. American Writing Paper Company. 77,215-17; renewed Mar. 22, 1930.
Paper, Writing and printing. American Writing Paper Company. 77,362; renewed Apr. 6, 1930.
Pencils, Lead. Eagle Pencil Company. 76,544; renewed Jan. 25, 1930.
Pencils, etc. Lead, crayon, colored, etc. A. W. Faber, Inc. 264,802; Dec. 3.
Stationery, Articles of. J. Peuser. 33,616; renewed Oct. 24, 1929.

CLASS 38

Newspaper. B. Peters and Co. 74,836; renewed Aug. 10, 1929.

CLASS 39

Blouses, skirts, knickers, etc. Middy. Straus, Royer & Straus, Inc. 264,693; Dec. 3; Serial No. 261,531; published Sept. 10, 1929.
Cloaks and outer suits, Ladies', misses', and children's. Sunshine Cloak and Suit Company. 76,981; renewed Mar. 1, 1930.
Coats, Ladies'. I. M. Bagedonow, Inc. 264,737; Dec. 3; Serial No. 286,414; published Sept. 10, 1929.
Coats, Outer. Cohen & Whellan. 264,754; Dec. 3; Serial No. 287,909; published Sept. 10, 1929.
Coats, suits, dresses, etc., Ladies'. M. E. Singerman. 264,699; Dec. 3; Serial No. 255,613; published Sept. 10, 1929.
Coats, suits, gowns, etc., Ladies' and misses'. Kaufmann Department Stores, Inc. 264,736; Dec. 3; Serial No. 286,178; published Sept. 17, 1929.
Coats, Women's and misses'. Wee Women, Inc. 264,789; Dec. 3; Serial No. 285,610; published Sept. 10, 1929.
Cravats, neckties, and neckscarfs. W. O. Horn & Bro. 76,442; renewed Jan. 18, 1930.
Dresses. Paris Shops, Inc. 264,747; Dec. 3; Serial No. 287,361; published Sept. 10, 1929.
Dresses, smocks, shirts, etc. Gossett Mills. 264,735; Dec. 3; Serial No. 286,117; published Sept. 10, 1929.
Garments and undergarments, Outer. Cohen, Goldman & Co. Inc. 264,762; Dec. 3; Serial No. 287,333; published Sept. 10, 1929.
Hats and caps, Men's and children's. Superior Hat Co. 264,738; Dec. 3; Serial No. 287,780; published Sept. 10, 1929.
Hats, Women's. National Committee on Correct Style, Inc. 264,692; Dec. 3; Serial No. 261,128; published Sept. 10, 1929.
Hats, Women's. Weber and Hellbroner, Inc. 264,669; Dec. 3; Serial No. 287,167; published Sept. 10, 1929.
Hosiery. Best Made Silk Hosiery Co. Inc. 264,761; Dec. 3; Serial No. 287,276; published Sept. 10, 1929.
Hosiery. Richmond Hosiery Mills. 34,084; renewed Jan. 30, 1930.
Hosiery, and underwear. Gus Edelstein Bro. & Co. 264,756; Dec. 3; Serial No. 286,538; published Sept. 10, 1929.
Hosiery and underwear. P. R. Signal. 264,758; Dec. 3; Serial No. 287,160; published Sept. 10, 1929.
Overalls. J. Rashbaum Sons. 75,320; renewed Sept. 21, 1929.
Overalls, coats, and work shirts. Blue Buckle Overall Company. 264,656; Dec. 3; Serial No. 282,904; published Sept. 17, 1929.
Shirts, Dress. Elk Brand Shirt & Overall Co. 264,755; Dec. 3; Serial No. 287,962; published Sept. 17, 1929.
Shoes, Men's leather. A. E. Nettleton Co. 76,224; renewed Dec. 28, 1929.
Suits and overcoats. Richman Clothing Co. Inc. 264,658; Dec. 3; Serial No. 284,424; published Sept. 10, 1929.
Suits, coats, trousers, and overcoats. Greenberg, Gallin & Kelt, Inc. 264,763; Dec. 3; Serial No. 287,965; published Sept. 17, 1929.

Suits, overcoats, topcoats, etc. Kresge Department Store Corporation. 264,659; Dec. 3; Serial No. 284,460; published Sept. 17, 1929.
Suits, overcoats, trousers, etc. Clothiers Corporation. 264,788; Dec. 3; Serial No. 285,445; published Aug. 20, 1929.
Suits, rompers, sun suits, etc. Boys' wash. Markon Garment Company. 264,716; Dec. 3; Serial No. 282,484; published Sept. 10, 1929.
Suits, Swimming. Jantzen Knitting Mills. 264,751-3; Dec. 3; Serial Nos. 287,821-3; published Sept. 10, 1929.
Suits, Youths' outer. Corinth Woolen mills. 75,838; renewed Nov. 23, 1929.
Sweaters and bathing suits. S. Augstein & Co. 264,759; Dec. 3; Serial No. 287,225; published Sept. 17, 1929.
Sweaters and bathing suits, Knitted. M. L. Friedlen. 264,798; Dec. 3.
Ties, Bow. S. Sherman. 264,760; Dec. 3; Serial No. 287,265; published Sept. 17, 1929.
Undergarments and the like. R. Ramagano. 264,757; Dec. 3; Serial No. 287,010; published Sept. 10, 1929.
Underwear. Janome Rayon Corporation. 264,733; Dec. 3; Serial No. 285,779; published Sept. 17, 1929.

CLASS 40

Artificial flowers. E. Boyd. 264,806; Dec. 3.

CLASS 42

Bunting. United States Bunting Co. 76,241; renewed Dec. 28, 1929.
Silk piece goods. B. Altman & Co. 76,750; renewed Feb. 15, 1930.
Woolen and cotton piece goods. Hamilton Woolen Co. 77,051; renewed Mar. 8, 1930.

CLASS 43

Yarns, Fancy. Farbenfabriken of Elberfeld Company. 77,232; renewed Mar. 22, 1930.

CLASS 44

Eye patches. A. F. Burdick. 264,803; Dec. 3.
Instruments, Certain surgical. F. A. Koch & Co. 77,304; renewed Mar. 29, 1930.

CLASS 45

Beverage, Maltless. W. G. Robertson. 264,810; Dec. 3.

CLASS 46

Bread, cake, pies, etc. Friend Brothers, Inc. 264,714; Dec. 3; Serial No. 280,061; published Sept. 24, 1929.
Cakes, cookies, pies, etc. Fischer Baking Company. 264,689; Dec. 3; Serial No. 276,258; published Feb. 12, 1929.
Candles and ice cream. Mountain States Martha Washington Candies Company. 264,730; Dec. 3; Serial No. 270,041; published Sept. 24, 1929.
Canned baked beans and canned brown bread. Friend Brothers, Inc. 264,713; Dec. 3; Serial No. 279,463; published Sept. 24, 1929.
Canned baked beans and canned brown bread. Friend Brothers, Inc. 264,774; Dec. 3; Serial No. 279,462; published Sept. 24, 1929.
Canned food products. Cincinnati Abattoir Co. 76,163; renewed Dec. 21, 1929.
Canned foods, cured meats, and lard. German American Provision Company. 34,410; renewed Apr. 3, 1930.
Canned fruits and canned vegetables. Torsch Packing Company. 77,585; renewed Apr. 19, 1930.
Canned fruits, berries, vegetables, etc. Sears & Nichols Corporation. 264,723; Dec. 3; Serial No. 273,267; published Sept. 24, 1929.
Canned fruits, vegetables, tomato sauce, etc. A. Mantini. 264,766; Dec. 3; Serial No. 286,439; published Sept. 17, 1929.
Canned olives, pickles, mixed relishes, etc. Martini Brothers. 264,657; Dec. 3; Serial No. 283,206; published Sept. 17, 1929.
Canned vegetables, fruits, fish, etc. Grocers' Supply Company. 264,773; Dec. 3; Serial No. 279,044; published Sept. 17, 1929.
Certain foods. J. F. Humphreys & Co. 77,069; renewed Mar. 8, 1930.
Chocolates, candies, cakes, etc. Assorted. M. Thourret, Inc. 264,734; Dec. 3; Serial No. 285,992; published Sept. 24, 1929.
Coffee. Oliver-Finnie Co. 77,670; renewed Apr. 26, 1930.
Cookies, canned vegetables, milk, and tea. Geo. Rasmussen Co. 264,729; Dec. 3; Serial No. 269,604; published Sept. 24, 1929.
Extract powder for food purposes, Malt. Schreiber Products Corporation. 264,691; Dec. 3; Serial No. 276,990; published Sept. 24, 1929.
Extracts and canned tomatoes, Flavoring. Foster, Caldera & Co. 74,609; renewed July 27, 1929.
Feed, Poultry. M. C. Peters. 76,336; renewed Aug. 25, 1928.
Flour and alimentary paste. Vegetable Products Corporation. 264,715; Dec. 3; Serial No. 281,065; published Sept. 10, 1929.
Flour, Wheat. Bilsh Milling Company. 77,287; renewed Mar. 29, 1930.
Flour, Wheat. Davis Milling Company. 76,347; renewed Jan. 4, 1930.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Flour, Wheat. Kansas Milling Company. 76,074-6; renewed Dec. 14, 1929.
 Flour, Wheat. Maldonado & Co. 74,971; renewed Aug. 24, 1929.
 Flour, Wheat. Wells Flour Milling Company. 77,593; renewed Apr. 19, 1930.
 Food, Stock. M. C. Peters. 70,419; renewed Aug. 25, 1928.
 Foods, Certain. Lauderbach-Barber Co. 74,593; renewed July 27, 1929.
 Foods, Certain. A. Moll Grocer Co. 77,430; renewed Apr. 12, 1930.
 Fruits, Dried. California Prune & Apricot Growers Association. 264,811; Dec. 3.
 Gelatin. Imperial Mfg. Co. 75,508; renewed Oct. 12, 1929.
 Guava paste, banana paste, cashew in syrup, etc. Carlos de Britto & Cia. 264,660; Dec. 3; Serial No. 284,605; published Sept. 24, 1929.
 Ham, lunch loaf, sausage, etc. Roberts and Oake, Inc. 264,808; Dec. 3.
 Hay or alfalfa meal, Ground. M. C. Peters. 71,818; renewed Dec. 15, 1928.
 Honey. R. W. Bourland. 264,661; Dec. 3; Serial No. 284,771; published Sept. 24, 1929.
 Honey. California Vinegar Co. 264,765; Dec. 3; Serial No. 286,418; published Sept. 24, 1929.
 Ketchup. Curtice Brothers Co. 264,790; Dec. 3; Serial No. 285,733; published Sept. 24, 1929.
 Milk, Evaporated. T. C. Leedom. 264,694; Dec. 3; Serial No. 262,718; published Sept. 24, 1929.
 Nuts, Salted. Peterson Nut Company. 264,791-2; Dec. 3.
 Oats or oat flakes, Rolled. Purity Oats Company. 264,813; Dec. 3.
 Olives, mincemeat, tea, etc. Widlar Company. 264,804; Dec. 3.
 Oranges, lemons, limes, and grapefruit. W. N. Moore. 77,133; renewed Mar. 15, 1930.
 Peanut oil. Naamlooze Vennootschap Nederlandsche Naamlooze Vennootschap Fransch-Hollandsche Oliefabrieken Nieuwe Etablissements Calve-Delft. 75,579; renewed Oct. 19, 1929.
 Pickles and digestive relish. Midland Vinegar Company. 77,475; renewed Apr. 12, 1930.
 Pork loaf. Roberts and Oake, Inc. 264,807; Dec. 3.
 Products, Packing-house. Swift and Company. 34,411; renewed Apr. 3, 1930.

Sauces and mayonnaise. O. Tschirky. 264,653; Dec. 3; Serial No. 282,579; published Sept. 24, 1929.
 Sugar. J. D. and A. B. Spreckels Investment Company. 264,772; Dec. 3; Serial No. 277,514; published Sept. 24, 1929.
 Syrup, Malt. Adam Scheidt Brewing Company. 264,749-50; Dec. 3; Serial Nos. 287,778-9; published Sept. 24, 1929.
 Syrup, Malt. L. Still. 264,702-3; Dec. 3; Serial Nos. 258,702-3; published Feb. 21, 1928.
 Vegetables, Fresh. Cortez Growers Association, Inc. 264,800; Dec. 3.

CLASS 47

Wines, Still and sparkling. Henkell & Co. 73,473; renewed Oct. 5, 1929.

CLASS 48

Beer. San Francisco Breweries Ltd. 69,364; renewed June 9, 1928.
 Beer, Lager. J. & R. Tennent Limited. 75,903; renewed Nov. 23, 1929.

CLASS 50

Awning. Morrison Tent & Awning Co. 264,732; Dec. 3; Serial No. 285,870; published Sept. 10, 1929.
 Covers, Card-table. Kenworthy Brothers Company. 264,678; Dec. 3; Serial No. 285,211; published Sept. 17, 1929.
 Fabric, Pyroxylin-coated. E. I. du Pont de Nemours and Company. 264,770; Dec. 3; Serial No. 284,779; published Sept. 17, 1929.
 Fabrics for wall covering, etc. Treated. Kenitex Products Company. 264,682; Dec. 3; Serial No. 240,860; published Sept. 3, 1929.
 Felts of wool, worsted, or hair. Endless. Mitchells, Ashworth, Stansfield & Company. 77,664; renewed Apr. 26, 1930.
 Mats, Rubber. Eno Rubber Corporation. 264,777; Dec. 3; Serial No. 282,777; published Sept. 17, 1929.
 Screens and backgrounds for store-window and counter use, etc. Sculptron. 264,778; Dec. 3; Serial No. 282,880; published Sept. 17, 1929.
 Signs. Prismo Sign Company Incorporated. 264,683; Dec. 3; Serial No. 286,194; published Sept. 10, 1929.
 Snares, Animal Trap Company of America. 264,784; Dec. 3; Serial No. 284,026; published Sept. 17, 1929.
 Swatters. Fly. U. S. Manufacturing Corporation. 264,779; Dec. 3; Serial No. 283,312; published Sept. 17, 1929.

ALPHABETICAL LIST OF LABELS

Bakers' Wednesday Special Apricots. For Canned Apricots. Sun-Maid Raisin Growers of California. 36,716; Dec. 3.
 Bakers' Wednesday Special Pears. For Canned Pears. Sun-Maid Raisin Growers of California. 36,715; Dec. 3.
 Bakers' Wednesday Special Solid Pack Pie Apricots. For Canned Apricots. Sun-Maid Raisin Growers of California. 36,717; Dec. 3.
 Bakers' Wednesday Special Solid Pack Pie Pears. For Canned Pears. Sun-Maid Raisin Growers of California. 36,714; Dec. 3.
 Dr. Clark's Sanatological Oil Health School Brand. For Medicinal Oil. The Health School Inc. 36,710; Dec. 3.

Enterocap Oralsulin. Hormone of the Pancreas. For Medicinal Preparation. Lafayette Pharmaceutical Inc. 36,711; Dec. 3.
 George's Honey Kiss Pop Corn. For Flavored and Sweetened Pop Corn. George's Honey Kiss Pop Corn, Inc. 36,709; Dec. 3.
 Grand-Tex. For Toilet Paper. Fort Howard Paper Company. 36,708; Dec. 3.
 Mantone Tonic. For Tonic Medicine. W. C. Nalle. 36,712; Dec. 3.
 Molly Pitcher. For Cookies. Savory Baking Company. 36,713; Dec. 3.

ALPHABETICAL LIST OF PRINTS

Simplex. For Piston Rings. Simplex Piston Ring Company of America, Inc. 12,240; Dec. 3.
 This Certificate is Worth \$4.00. For Imitation Pearls. Paramount Distributors. 12,239; Dec. 3.
 Venus Pencils—Largest Selling Quality Pencil in the World—Five Senses are Yours to Use. For Pencils. American Lead Pencil Company. 12,238; Dec. 3.

Venus Pencils—Venus—Largest Selling Quality Pencil in the World—Only in Venus—With Its 17 Perfectly Uniform Black and 3 Copying Degrees—Can You Find Exactly the Pencil You Want. For Pencils. American Lead Pencil Company. 12,237; Dec. 3.
 We Issue Insurance Stamps. For Insurance Trading Stamps. T. P. Tivy. 12,241; Dec. 3.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 3d DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,738,272; Dec. 3.
 Adams, Edward T. (See Ryan, E. F., and Adams.)
 Adams, Harry F., Greenport, N. Y. Composition of and method of producing concrete. 1,737,906; Dec. 3.
 Adams, John, Detroit, Mich. Air supplier. 1,737,550; Dec. 3.
 Adams, William H., assignor to Eastern Finishing Works, Kenyon, R. I. Printed textile fabric. Des. 80,017; Dec. 3.
 Aikin, Frank W., Watertown, N. Y. Burr for dressing pulp grindstones. 1,737,551; Dec. 3.
 Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,737,630; Dec. 3.
 Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and venting system therefor. 1,737,955; Dec. 3.
 Aktiengesellschaft Brown, Boveri and Cie. (See Güttinger, Heinrich, assignor.)
 Aktiengesellschaft Brown, Boveri & Cie. (See Zingg, Oscar, assignor.)
 Albright, Sidney S., Sacramento, Calif. Bus body. 1,737,547; Dec. 3.
 Alden Manufacturing Company. (See Alden, Milton, assignor.)
 Alden, Milton, assignor to Alden Manufacturing Company, Springfield, Mass. Vacuum-tube socket. 1,738,028; Dec. 3.
 Alomite Corporation. (See Fuller, Perley H., assignor.)
 Allegheny Steel Company. (See Winder, Frank J., assignor.)
 Allen, Charles A., et al. (See Cummings, Charles D., assignor.)
 Allen, Irving R., Wheaton, Ill. Safety razor and blade magazine therefor. 1,737,696; Dec. 3.
 Allen, James M., St. Louis, Mo. Electric motor. 1,738,165; Dec. 3.
 Allgemeine Gesellschaft für Chemische Industrie m. b. H. (See Jodeck, Paul, assignor.)
 All-Ways-Hot Mfg. Co., The. (See Goshorn, Robert R., assignor.)
 Alma Manufacturing Company of Baltimore City. (See Kerugood, Allen H., assignor.)
 Alteneier, Theo., & Sons. (See Meyer, Francis E., assignor.)
 Altman, Clay, and R. D., Oklahoma City, Okla., and H. N. Parker, Wichita, Kans. Device for removing plaster of Paris casts from the human body. 1,737,552; Dec. 3.
 Altman, Russell D. (See Altman, C., and Parker.)
 American Cast Iron Pipe Co. (See Barr, Clarence D., assignor.)
 American Cyanamid Company. (See Buchanan, Guy H., assignor.)
 American Engineering Company. (See Weingartner, Anthony E., assignor.)
 American Flange & Manufacturing Co. (See Parish, Richard L., assignor.)
 American Fluid Motors Company. (See Landenberger, H. W., and Cannon, assignors.)
 American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
 American Gas Accumulator Company. (See Viksten, E. G., and Holm, assignors.)
 American Neon Light Corporation. (See Kayatt, Phillip J., assignor.)
 American Safety Razor Corporation. (See Behrman, M. B., and Pollock, assignors.)
 American Solvent Recovery Corporation. (See Barnebey, Oscar L., assignor.)
 American Telephone and Telegraph Company. (See Bostwick, Lee G., assignor.)
 American Telephone and Telegraph Company. (See Channell, James W., assignor.)
 American Telephone and Telegraph Company. (See Crismon, George, assignor.)
 American Telephone and Telegraph Company. (See Gannett, Danforth K., assignor.)
 American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
 American Telephone and Telegraph Company. (See Morehouse, L. F., and Watson, assignors.)
 American Telephone and Telegraph Company. (See Ohl, Russell S., assignor.)
 American Thermos Bottle Company. (See Wetmore, Miner P., assignor.)

Ames, Butler, Lowell, Mass. Motor. 1,737,820; Dec. 3.
 Amoskeng Manufacturing Company. (See Twaddle, William F., assignor.)
 Amsden & Barnard, Inc. (See Amsden, Eugene C., assignor.)
 Amsden, Eugene C., assignor to Amsden & Barnard, Inc., Boston, Mass. Closure for dispensing containers. 1,738,220; Dec. 3.
 Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. Control system. 1,738,344; Dec. 3.
 Anderson, Emil, Briarcliff Manor, N. Y., assignor of three-fourths to Olson Brothers Saw Manufacturing Company. Frame structure for motor-vehicle license plates. 1,738,273; Dec. 3.
 Anderson, Emil S., assignor of one-fourth to F. E. Trask and one-fourth to W. H. Hartman, Los Angeles, Calif. Signal device. 1,737,631; Dec. 3.
 Anderson, Gustav H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Toggle bolt. 1,738,133; Dec. 3.
 Anderson, John J., Minneapolis, Minn. Boat propeller. 1,738,134; Dec. 3.
 Anderson, John W., assignor of one-half to J. A. Graham, Aurora, Ill. Folding table. 1,737,821; Dec. 3.
 Anderson, Reginald, assignor to The Forbush Shoe Company, North Grafton, Mass. Shoe. 1,737,745; Dec. 3.
 Anderson, Robert G., Erie, Pa., assignor to General Electric Company. Flexible coupling. 1,738,416; Dec. 3.
 Anderson, Sidney E., Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Wave-transmission means. 1,738,274; Dec. 3.
 Andrews, Champe S., Chattanooga, Tenn. Die roll. 1,737,553; Dec. 3.
 Andrews, Champe S., North Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. Die roll. 1,738,271; Dec. 3.
 Angert Brothers. (See Angert, George H., assignor.)
 Angert, George H., assignor to Angert Brothers, Cincinnati, Ohio. Adjustable table. 1,737,956; Dec. 3.
 Antonelli, Cesare. (See Zanardelli, F., and Antonelli.)
 Apple, Vincent G., Dayton, Ohio. Making armatures. 1,738,166; Dec. 3.
 Aray, Fred C. (See Gollnick, P. A., Ives, Broderick, and Aray.)
 Armstrong Cork Company. (See Webster, Harry A., assignor.)
 Arnold, Charles H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Clutch mechanism. 1,737,907; Dec. 3.
 Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined pyrophoric lighter and base. Des. 80,011; Dec. 3.
 Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
 Arvidson, Clarence G., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Sifter top. 1,737,548; Dec. 3.
 Ashe, William O., St. Louis Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,737,697; Dec. 3.
 Atlantic Refining Company, The. (See Chillas, Richard B., Jr., assignor.)
 Atlantic Refining Company, The. (See Ehlers, Carl H., assignor.)
 Audet, Alfred, Salem, Mass. Necktie holder. 1,737,632; Dec. 3.
 Auditorium Ventilating Corporation. (See Lewis, Leo L., assignor.)
 Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,737,749; Dec. 3.
 Auteri, Michele, Milan, Italy, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Coin-box station. 1,737,554; Dec. 3.
 Automatic Electric Inc. (See Sharp, Victor S., assignor.)
 Automatic Ticket Register Corporation. (See Hessel, Reuben H., assignor.)
 Autopoint Company. (See Dell, Frank C., assignor.)
 Babcock & Wilcox Company, The. (See Dickson, George, assignor.)
 Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
 Babcock & Wilcox Company, The. (See Langvand, Ivar L., assignor.)
 Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)
 Babcock & Wilcox Company, The. (See Whitlam, Benjamin R., assignor.)
 Bach, Felix, Greengburg, Pa. Automobile light. 1,738,092; Dec. 3.

Bailey, V. W., et al. (See Graham, Homer L., assignor.)
 Bailey, William M. (See Proctor, J. A., and Bailey.)
 Bair, Milford M., and W. E. Edgerton, Glen Cove, N. Y. Foldable boat. 1,738,221; Dec. 3.
 Baird, Albert E., et al. (See Cranson, Frank J., assignor.)
 Baker, David B. (See Johnston, E. A., Baker, and Hagen.)
 Baker, Elbridge, Pasadena, assignor of fifty-one per cent to G. A. Haskell and P. C. Holland, Los Angeles, Calif. Cold-milk-dehydrating process. 1,738,275; Dec. 3.
 Baker, Howard C., and A. Kaighin, Toledo, Ohio. Heater. 1,738,222; Dec. 3.
 Baldwin, James P., Los Angeles, Calif. Lubricant. 1,737,555; Dec. 3.
 Ballard, Harrie A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-fitting machine. 1,737,698; Dec. 3.
 Bailou, B. A., & Co. (See Bailou, F. A., Jr., and Morehouse, assignors.)
 Bailou, Frederick A., Jr., and E. Morehouse, assignors to B. A. Bailou & Co., Inc., Providence, R. I. Clasp. 1,737,549; Dec. 3.
 Balton, James L., Baltimore, Md. Ice-cream cone. Des. 80,066; Dec. 3.
 Balton, James L., Baltimore, Md. Ice-cream cone. Des. 80,067; Dec. 3.
 Bancalari, Ignacio L., Mexico, Mexico. Talking-machine drive. 1,738,417; Dec. 3.
 Bannister, Bryant, Pittsburgh, Pa. Valve. 1,738,135; Dec. 3.
 Bannon, Thomas C., Los Angeles, Calif. Well pump. 1,738,136; Dec. 3.
 Barber Asphalt Company, The. (See Ritter, George, assignor.)
 Bardello, Antonio, Brooklyn, assignor to Ainsworth Buck, Incorporated, New York, N. Y. Safety anchor. 1,738,029; Dec. 3.
 Barlow, Lester P., Detroit, Mich. Rotary pump. 1,738,345; Dec. 3.
 Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Apparatus for the recovery of gases and vapors. 1,737,822; Dec. 3.
 Barnes, Horatio N., London, England. Roof of motor cars and like vehicles of the inclosed or saloon type. 1,738,060; Dec. 3.
 Barnes & Jones. (See Fernald, Charles F., assignor.)
 Barnes & Jones. (See Jones, William T., assignor.)
 Barnes, Lewis, Farmington, Mich. Loose-leaf binder. 1,738,223; Dec. 3.
 Barney, Freeman, assignor to The Challenge Machinery Company, Grand Haven, Mich. Standard. 1,738,276; Dec. 3.
 Barnhart, George E. (See Elton, M. S., and Barnhart.)
 Baron, Louis. (See Fera, H., and Baron.)
 Barr, Clarence D., assignor to American Cast Iron Pipe Co., Birmingham, Ala. Hot-blast cupola. 1,738,277; Dec. 3.
 Barrett, Richard E., Boykiss, Va. Mechanical train signal. 1,738,275; Dec. 3.
 Barries, Ricardo, Susanville, Calif. Exhaust deflector for tractors. 1,738,279; Dec. 3.
 Bartels, Ida M., et al., executors. (See Bartels, Reinhard E.)
 Bartels, R. Burleigh, et al., executors. (See Bartels, Reinhard E.)
 Bartels, Reinhard E., deceased, Lynn, Mass.; I. M. Bartels and R. B. Bartels, executors. Shoe-shank stiffener. 1,737,556; Dec. 3.
 Barton, Loy E., Schenectady, N. Y., assignor to General Electric Company. Oscillation generator. 1,738,346; Dec. 3.
 Bastian-Morley Co. (See Eaton, Harold D., assignor.)
 Batie, Joseph E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming brake drums. 1,738,224; Dec. 3.
 Battin, Robert G. (See Jones, L. B., and Battin.)
 Bauch, Fredrick. (See Brump, H. L., and Bauch.)
 Bauer, John W., Naperville, Ill. Plant-supporting clip. 1,737,873; Dec. 3.
 Bay State Rug Company. (See Coram, John C., assignor.)
 Beach, Ralph H., Royal Oak, Mich., assignor, by mesne assignments, to International Radiator Corp., Port Chester, N. Y. Radiator. 1,737,557; Dec. 3.
 Beach, Ralph H., Royal Oak, Mich., assignor, by mesne assignments, to International Radiator Corp., Port Chester, N. Y. Temperature-changing unit. 1,737,558; Dec. 3.
 Beach, Ralph H., Royal Oak, Mich., assignor, by mesne assignments, to International Radiator Corp., Port Chester, N. Y. Heating unit. 1,737,633; Dec. 3.
 Beard, Raymond R. (See Handy, R. S., and Beard.)
 Beardsley, Robert O. (See Flanders, R. E., and Beardsley.)
 Bebb, Harry T., assignor to The Canton Stamping & Enameling Company, Canton, Ohio. Burning rack. 1,738,030; Dec. 3.
 Bebb, Harry T., assignor to The Canton Stamping & Enameling Company, Canton, Ohio. Burning-rack attachment. 1,738,031; Dec. 3.
 Beckman, Burchard F., Fort Smith, Ark. Tie plate. 1,737,559; Dec. 3.
 Beede, Raymond E., East St. Louis, Ill. Timber anchor. 1,737,008; Dec. 3.
 Beer, Fritz. (See Jellinek, P., and Beer.)

Behrman, Marcus B., Brooklyn, and R. T. Pollock, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Method and blank for making safety-razor blades. 1,738,032; Dec. 3.
 Bell, Hallie H., assignor to Bell-Man Chemical Co., Inc., New York, N. Y. Toy. 1,738,347; Dec. 3.
 Bell-Man Chemical Co., Inc. (See Bell, Hallie H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Fowler, Clarence B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Gilbert, John J., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Gooderham, John W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Hinrichsen, Edward E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Husta, Philip, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Johnson, Lewis H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kille, Lindley A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kreeck, Joseph A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See McKeehan, Louis W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Schlenker, Vesper A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Smythe, E. H., and Lane, assignors.)
 Belshaw, Walter, Seattle, Wash. Doughnut machine. 1,738,033; Dec. 3.
 Bennington Wax Paper Company. (See Cubberley, Warner L., assignor.)
 Bensa, Felice. (See Zinke, Alois, assignor.)
 Benson, Andrew, Chicago, Ill. Cutting tool. 1,737,990; Dec. 3.
 Bent, Leavitt N. (See Humphrey, I. W., and Bent.)
 Berger Device Mfg. Co., Inc. (See Berger, Frank P., assignor.)
 Berger, Frank P., assignor to Berger Device Mfg. Co., Inc., Chicago, Ill. Gas or the like venting device. 1,737,560; Dec. 3.
 Berkey, Hugh S., Huntington Beach, Calif. Pump-plunger valve and stem. 1,738,167; Dec. 3.
 Bernert, George, North Milwaukee, Wis. Pneumatic conveying apparatus. 1,737,561; Dec. 3.
 Bernhardt, Harvey A., Chicago, Ill. Smoker's receptacle. Des. 80,012; Dec. 3.
 Bernhardt, M. E., Company. (See Schreer, Karl, assignor.)
 Best Blade & Holder Co., The. (See Stivers, Jake M., assignor.)
 Bethend, Joseph, Paris, France. High-power thermionic tube. 1,738,348; Dec. 3.
 Bimat, Pascal J., Bakersfield, Calif. Grab. 1,737,909; Dec. 3.
 Birch, James H., Geneva, Ill. Vapor-oil heater. 1,737,911; Dec. 3.
 Birchall, Joseph C. (See Caldwell, G. A., and Birchall.)
 Birkenhead, Claude V., et al. (See Crain, Jack R., assignor.)
 Birkenmeyer, Paul J. (See Griffith, F., Birkenmeyer, and Life.)
 Bittel, Jacob P. (See Judell, J. S., and Bittel.)
 Black, Robert J., Hammond, Ind., assignor to Sinclair Refining Company, Chicago, Ill. Converting heavier oils into lighter oils. 1,737,634; Dec. 3.
 Black, Sivalis & Bryson Manufacturing Company. (See Raymond, Gwynne, assignor.)
 Blake Manufacturing Co. (See Shannon, James L., assignor.)
 Blanchet, Joseph, Lawrence, Mass. Submarine safety device. 1,738,003; Dec. 3.
 Blank, Wilhelm, Plauen, Germany. Musical instrument. 1,737,910; Dec. 3.
 Blew, George, Knoxville, Tenn. Delivering liquids from wells. 1,737,635; Dec. 3.
 Bodine, Alfred V., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,738,031; Dec. 3.
 Bodle, Alexander T., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Wilmington, Del. Conveyor chain. 1,737,823; Dec. 3.
 Beever, Anne M., Cambridge, Mass., assignor to The Silux Company. Upper bowl for coffee makers. Des. 80,013; Dec. 3.
 Beever, Anne M., Cambridge, Mass., assignor to The Silux Company. Coffee maker. Des. 80,014; Dec. 3.
 Beever, Anne M., Cambridge, Mass., assignor to The Silux Company. Lower bowl for coffee makers. Des. 80,015; Dec. 3.
 Bogard, Frank T., assignor of five tenths to E. H. Christian, Oakland, Calif. Rotary heating device. 1,737,912; Dec. 3.
 Bohmker, John C., Bradley, assignor to Sears, Roebuck and Co., Chicago, Ill. Distributor drive. 1,738,168; Dec. 3.
 Bond, Joseph E., Appleton, Wis. Agitator. 1,737,699; Dec. 3.
 Bond, Joseph E., Appleton, Wis. Agitator. 1,737,700; Dec. 3.
 Bond, Joseph E., Appleton, Wis. Agitator. 1,737,701; Dec. 3.

Bond, Joseph E., Appleton, Wis. Agitator. 1,737,702; Dec. 3.
 Bond, Joseph E., Appleton, Wis. Agitator. 1,737,703; Dec. 3.
 Bond, Joseph E., Appleton, Wis. Agitator. 1,737,704; Dec. 3.
 Bond, Joseph E., Appleton, Wis. Agitator. 1,737,705; Dec. 3.
 Bond, Joseph T., Phoenix, N. Y. Air deflector. 1,738,418; Dec. 3.
 Bonnell, Morgan, Clarksville, Pa. Alarm switch mechanism. 1,738,508; Dec. 3.
 Borchers, Herbert H., Napa, Calif. Flower holder. 1,737,991; Dec. 3.
 Borden, Stephen W., Summit, N. J. Electrical ground anode for electrical distribution systems. 1,737,562; Dec. 3.
 Born Steel Range Company. (See Spielman, Milton H., assignor.)
 Boschert, Rufus E., Syracuse, N. Y. Fluid-pressure-operated motor. 1,737,563; Dec. 3.
 Bostwick, Lee G., East Orange, N. J., assignor to American Telephone and Telegraph Company. Volume-control system. 1,737,992; Dec. 3.
 Bowen, Lester W., Hasbrouck Heights, N. J., assignor to Griffin & Bowen, Inc., New York, N. Y. Projection apparatus. 1,737,003; Dec. 3.
 Box Blank Corporation. (See Andrews, Champe S., assignor.)
 Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 80,016; Dec. 3.
 Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 80,018; Dec. 3.
 Brach, E. J., & Sons. (See Newlander, Alfred, assignor.)
 Bradley, Milton, Company. (See Stott, Emma B., assignor.)
 Bradley Washfountain Company. (See Schlesinger, L., and Heine, assignors.)
 Brady, Kathryn T., and H. R. L. White, Chicago, Ill.; said White assignor to said Brady. Chaise longue. 1,738,137; Dec. 3.
 Braun, Carl F., Pasadena, Calif. Floating head for tube nests. 1,737,564; Dec. 3.
 Breithaupt, Oscar, Detroit, Mich. Nail holder. 1,738,225; Dec. 3.
 Brenne, Arild M., assignor to W. H. Miner, Inc., Chicago, Ill. Testing frame. 1,737,565; Dec. 3.
 Brewer, Edith D., Detroit, Mich. Pie vent. 1,738,226; Dec. 3.
 Brich, John W., Jr., Neola, Iowa. Seeder. 1,738,340; Dec. 3.
 Bridgeport Hardware Manufacturing Corporation, The. (See Thal, Bernhard, assignor.)
 Briggs and Stratton Corporation. (See Jacobi, Edward N., assignor.)
 Britton, Edgar C. (See Hale, W. J., and Britton.)
 Broadwick, Charles, San Francisco, Calif. Parachute. 1,737,913; Dec. 3.
 Broderick, Frank W. (See Gollnick, P. A., Ives, Broderick, and Arey.)
 Brodick Company. (See Jamieson, Charles M., assignor.)
 Brooks Bank & Trust Company, The. (See Green, James A., assignor.)
 Brower, William M., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio apparatus. 1,737,824; Dec. 3.
 Brown, Paul. (See Brown, Paul, assignor.)
 Brown, Paul, assignor to Brown Company, Berlin, N. H. Electric furnace. 1,737,566; Dec. 3.
 Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-inflating machine. 1,738,491; Dec. 3.
 Brownell, Otto E., Des Moines, Iowa. Producing heat-insulating and sound-deadening filler for building structures. 1,737,957; Dec. 3.
 Brump, Herbert L., and F. Bauch, assignors to The Dayton Electric Company, Dayton, Ohio. Clutch for refrigerators. 1,737,825; Dec. 3.
 Bryant Electric Company. (See Goodridge, G. W., and Thomas, assignors.)
 Bryce Brothers Company. (See Dithridge, James D., assignor.)
 Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Cyanogen-chloride hydrocyanic-acid mixture. 1,738,280; Dec. 3.
 Buck, Ainsworth, Incorporated. (See Bardello, Antonio, assignor.)
 Buckhout, Frank B., Yonkers, N. Y. Weather strip. 1,738,350; Dec. 3.
 Bucklen, Herbert E. (See Bucklen, H. E., and Putt, assignors.)
 Bucklen, Herbert E., and H. O. Putt, assignors to said Herbert E. Bucklen, Elkhart, Ind. Unloader for pump drives. 1,738,281; Dec. 3.
 Budd, Edward G., Manufacturing Co. (See Tarbox, John P., assignor.)
 Buchler, Louis R. G., Oak Park, Ill. Lateral-drive speed transformer. 1,737,567; Dec. 3.
 Buchner, Ferdinand A., Elkhart, Ind. Key mechanism for wind musical instruments. 1,738,351; Dec. 3.
 Burger, Alexander, New York, N. Y. Follower for filing-cabinet drawers. 1,738,419; Dec. 3.
 Burger, Martin, Morris, Ill., assignor to Self Locking Schramm Company. Machine for setting up cartons. 1,738,034; Dec. 3.

Burgess, C. F., Laboratories, Inc. (See Weiss, Howard F., assignor.)
 Burke, Stephen P. (See McKee, R. H., and Burke.)
 Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Heavy-duty electric switch. 1,737,636; Dec. 3.
 Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Method and apparatus for preventing fires in the vicinity of electric switches. 1,737,637; Dec. 3.
 Burris, Stephen A., Jourdanton, Tex. Tractor. 1,737,568; Dec. 3.
 Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)
 Busch, Vern W., South Bend, Ind. Forming celluloid articles. 1,737,874; Dec. 3.
 Butcher, Percy, Jacksonville, Fla. Piston. 1,738,352; Dec. 3.
 Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. High-pressure lubricator. 1,737,783; Dec. 3.
 Butts, Daniel G., Covington, La. Casement-window adjuster. 1,738,282; Dec. 3.
 Cabell, Philip M., New York, N. Y. Apparatus for supplying steam or other vapors. 1,737,826; Dec. 3.
 Caldwell, George A., Milton, and J. C. Birchall, Reading, Mass.; said Birchall assignor to said Caldwell. Sound-locating apparatus. 1,738,034; Dec. 3.
 Callison, Abner F., Buffalo Creek, Colo. Method and apparatus for transferring freight. 1,737,994; Dec. 3.
 Canoe Record Corporation. (See Smith, Annesley D., assignor.)
 Cameron Can Machinery Co. (See Cameron, William, assignor.)
 Cameron, James A., Brooklyn, N. Y., and R. McC. Johnstone, Roselle Park, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting machine. 1,738,353; Dec. 3.
 Cameron Machine Company. (See Cameron, J. A., and Johnstone, assignors.)
 Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Cap-feeding mechanism. 1,737,569; Dec. 3.
 Cammala, Eugenio. (See Tammeo, Aldo, assignor.)
 Caninetti, Anthony, Jr., San Francisco, assignor, by mesne assignments, to C. N. Newman, Stockton, Calif. Spotlight. 1,737,914; Dec. 3.
 Campbell, Furman N., New Haven, and J. Myatt, East Haven, assignors to B. L. Gregg, New Haven, Conn. Glass cutting. 1,738,228; Dec. 3.
 Campbell, Furman N., New Haven, and J. Myatt, East Haven, assignors to B. L. Gregg, Forest Hill Gardens, Conn. Glass cutting. 1,738,229; Dec. 3.
 Canada Gypsum and Alabastine Company. (See Thomson, George M., assignor.)
 Cannard, William H., Green Bay, Wis. Web cutting and feeding mechanism. 1,738,354; Dec. 3.
 Cannon, Earl. (See Landenberger, H. W., and Cannon.)
 Cannon Stamping & Enameling Company, The. (See Bebb, Harry T., assignor.)
 Capel, John J., Scranton, Iowa. Plow shield. 1,738,230; Dec. 3.
 Cappabianco, Luigi, Bridgeport, Conn. Amusement device. 1,738,355; Dec. 3.
 Carleton, Herbert O., Brooklyn, N. Y., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Photographic-film printer. 1,738,095; Dec. 3.
 Carlson, Carl T., assignor to Erie City Iron Works, Erie, Pa. Tile lock. 1,738,283; Dec. 3.
 Carlson, Frank J., Los Angeles, assignor to A. E. Baird and L. Kennedy, Beverly Hills, Calif. Incinerator. 1,737,638; Dec. 3.
 Carlson, Gustave A., Detroit, Mich. Buffing and polishing machine. 1,738,356; Dec. 3.
 Carlson, John W., Salt Lake City, Utah. Hammer with adjustable fulcrum. 1,737,958; Dec. 3.
 Carpenter, Clifford D., New York, N. Y. Method of making arsenates. 1,737,639; Dec. 3.
 Carrillo, Alexander C., assignor of one-half to F. E. White, San Francisco, Calif. Piston. 1,737,915; Dec. 3.
 Carter, Charles H. (See Rothman, A. G., and Carter.)
 Carter, Lionel A., Webster Groves, assignor to Koken Companies, St. Louis, Mo. Operating and controlling mechanism for hydraulic barber chairs. 1,738,264; Dec. 3.
 Carter, R. L., Company. (See Carter, Ray L., assignor.)
 Carter, Ray L., Phoenix, N. Y., assignor to R. L. Carter Company, Inc. Mortising machine. 1,738,227; Dec. 3.
 Cascade Fixture Company. (See Gleason, Homer E., assignor.)
 Casey, Carl, assignor to Stone Straw Corporation, Washington, D. C. Mandrel for use in machines for making artificial straws and other tubes. 1,738,035; Dec. 3.
 Central Alloy Steel Corporation. (See Coryell, William Q., assignor.)
 Challenge Machinery Company, The. (See Barney, Freeman, assignor.)
 Champion, John W., Evanston, assignor to Reliance Manufacturing Company, Chicago, Ill. Shirt. 1,737,875; Dec. 3.
 Channell, James W., Southgate, Calif., assignor to American Telephone and Telegraph Company. Machine for producing insulating sleeves. 1,737,640; Dec. 3.
 Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Preparing electric discharge devices. 1,738,420; Dec. 3.

Charlton, Roy H., Belmont, assignor to Filing Equipment Bureau, Incorporated, Boston, Mass. Filing device. 1,737,641; Dec. 3.

Chase, Leon W., Lincoln, Nebr., assignor to Chase Plow Company. Land marker. 1,738,231; Dec. 3.

Chase Plow Company. (See Chase, Leon W., assignor.)

Chemical & Metallurgical Corporation. (See Smith, Stanley C., assignor.)

Chemical Works formerly Sandoz. (See Rothlin, E., and Müller, assignors.)

Chemisch-Technische Gesellschaft m. b. H. (See Plassmann, Josef, assignor.)

Cheney, S., & Son. (See Littler, James H., assignor.)

Cheney, Thorndike F., Danvers, Mass., assignor, by mesne assignments, to Old Colony Trust Company, trustee. Rectifier. 1,738,169; Dec. 3.

Cherry, Charles K., Little Rock, Ark. Vending machine. 1,737,754; Dec. 3.

Cherry, Oscar A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Phenolic condensation products and preparing same. 1,737,917; Dec. 3.

Cherry, Oscar A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Urea and formaldehyde condensation products. 1,737,918; Dec. 3.

Cherry, Oscar A., and F. Kurath, assignors to Economy Fuse and Manufacturing Company, Chicago, Ill. Phenolic condensation products and producing same. 1,737,916; Dec. 3.

Chicago Electric Manufacturing Co. (See Oetjen, Howard H., assignor.)

Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)

Chillas, Richard B., Jr., assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractional-distillation apparatus. 1,738,036; Dec. 3.

Christian, E. H. (See Boga, J., Frank T., assignor.)

Christie, William J. (See Orr, James C., assignor.)

Chrysler Corporation. (See Tjaarda, John, assignor.)

Cillske, Albert L., Chicago, Ill. Compination tool. 1,737,827; Dec. 3.

Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)

Cincinnati Grinders Incorporated. (See Kern, Fred M., assignor.)

Clarinda Manufacturing Company. (See Olson, Carl A., assignor.)

Clark, Alvan S., Holyoke, Mass. Cylinder mold. 1,738,357; Dec. 3.

Clark-Cutler-McDermott Company. (See McDermott, Thomas S., assignor.)

Clark, Elliott B., Weldon, N. C. Combined bottle-cap opener and drinking attachment. 1,737,828; Dec. 3.

Clark, Everett E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tuft plier for pile-fabric looms. 1,737,649; Dec. 3.

Clark, James E. (See Clark, Thomas E. and J. E.)

Clark, J. L., Manufacturing Co. (See Arvidson, Clarence G., assignor.)

Clark, J. L., Manufacturing Co. (See Mills, Wallace C., assignor.)

Clark, Keith, Ridgewood, N. J. Pad calendar. Des. 80,019; Dec. 3.

Clark, Thomas E. and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Oscillating circuit for train-control systems. 1,737,750; Dec. 3.

Clark, Thomas E. and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Locomotive control installation. 1,737,751; Dec. 3.

Cleveland Trust Company, executor, The. (See Plantinga, Pierre.)

Cline Electric Manufacturing Company. (See Hammer, Edwin W., assignor.)

Cocklin, Lewis A., Griswold, Iowa. Wick for liquid-fuel burners and making same. 1,738,138; Dec. 3.

Cochlin, Bernard W. E., Montreal, Quebec, Canada. Automobile bumper. 1,738,286; Dec. 3.

Cohen, Isidore, New York, N. Y. Reeling machine. 1,738,170; Dec. 3.

Cole, Pertino B., Cambridge, Nebr. Barrel truck. 1,738,096; Dec. 3.

Collings, William R., and J. J. Shafer, assignors to The Dow Chemical Company, Midland, Mich. Calcium-magnesium-chloride product and making same. 1,738,492; Dec. 3.

Collins, Everett P., Chillicothe, Ohio. Lubricator. 1,737,570; Dec. 3.

Collins, Frank, assignor to Mutual Sunset-Lamp Mfg. Co. Inc., New York, N. Y. Lamp base. Des. 80,020; Dec. 3.

Collins, John L., assignor to The Warner Corporation, Syracuse, N. Y. Spring bushing. 1,738,037; Dec. 3.

Collins, William D., Evansville, Ind., assignor to Serrel, Inc., New York, N. Y. Valve. 1,737,706; Dec. 3.

Colognori, Aldo. (See Werkstell, L., and Colognori.)

Colt's Patent Fire Arms Manufacturing Co. (See Conner, Benjamin F., assignor.)

Colt's Patent Fire Arms Manufacturing Company. (See Conner, B. F., and Schmalz, assignors.)

Colt's Patent Fire Arms Manufacturing Co. (See Moore, Frederick T., assignor.)

Colt's Patent Fire Arms Manufacturing Co. (See Pfeiffer, C., and Moore, assignors.)

Colt's Patent Fire Arms Manufacturing Company. (See Webb, G., and Jenks, assignors.)

Columbian Rope Company. (See Reber, James B., assignor.)

Comfort, Ben C., Versailles Borough, Pa. Radio circuit. 1,738,232; Dec. 3.

Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)

Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)

Condit Electrical Manufacturing Corporation. (See Edsall, William S., assignor.)

Condit Electrical Manufacturing Corporation. (See Mahoney, Joseph N., assignor.)

Condit Electrical Manufacturing Corporation. (See O'Keefe, George W., assignor.)

Condit Electrical Manufacturing Corporation. (See Pinkham, Henry P., assignor.)

Conesee, William. (See Podell, J., and Conesee.)

Congable, Henry F., Oakland, Calif. Irrigation pipe valve. 1,737,959; Dec. 3.

Conill, Fernan O., Marseilles, France. Refrigeration. 1,738,233; Dec. 3.

Conner, Benjamin F., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Cigarette-smoker's set. 1,737,644; Dec. 3.

Conner, Benjamin F., Hartford, and W. F. Schmalz, Rockville, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Medical-tablet container. 1,737,643; Dec. 3.

Consolidated Ashcroft Hancock Company. (See Hopkins, F. H., and Woodman, assignors.)

Continental Greenhouse Mfg. Company. (See Keeler, John N., assignor.)

Continuous Train Control Corporation. (See Clark, Thomas E. and J. E., assignors.)

Cook Laboratories, Inc. (See Heineman, Paul G. and H. E. O., assignors.)

Cook Laboratories, Inc. (See Kulik, Irving, assignor.)

Cook Laboratories, Inc. (See MacGregor, John, assignor.)

Cook, William A., assignor to Marion Machine, Foundry & Supply Company, Marion, Ind. Lubricating means for machines. 1,737,571; Dec. 3.

Cooke, Hereward L., Princeton, N. J., assignor to Cooke Patents Incorporated, New York, N. Y. Headlight. 1,737,995; Dec. 3.

Cooke Patents Incorporated. (See Cooke, Hereward L., assignor.)

Cooper, Henry W., West Newton, assignor to New England Mica Co., Waltham, Mass. Apparatus for forming commutator rings. 1,738,097; Dec. 3.

Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Recuperative annealing furnace. 1,738,038; Dec. 3.

Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Sealing means for furnace cars. 1,738,040; Dec. 3.

Cope, Frank T., and A. H. Vaughan, assignors to The Electric Furnace Company, Salem, Ohio. Continuous furnace. 1,738,039; Dec. 3.

Copeland, William A., Boston, Mass., assignor to International Shoe Company, St. Louis, Mo. Shoe-ironing tool. 1,738,285; Dec. 3.

Coram, John C., Lowell, assignor to Bay State Rug Company, Waltham, Mass. Apparatus for making a textile strand. 1,738,098; Dec. 3.

Corley, John T., Providence, R. I. Turret standpipe for fire hose. 1,738,421; Dec. 3.

Corning Glass Works. (See Rising, Walter H., assignor.)

Corning Glass Works. (See Wellech, Edmund, assignor.)

Corse, Gaston, assignor to Etablissements L. Chambon, Paris, France. Printing machine particularly for tickets, tickets of admission, receipts, and the like. 1,738,422; Dec. 3.

Coryell, William C., Youngstown, assignor to Central Alloy Steel Corporation, Massillon, Ohio. Rolling mill. 1,737,785; Dec. 3.

Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Conveying system. 1,737,829; Dec. 3.

Costigan, Martha M., Clarendon Hills, Ill. Nursery chamber vessel. 1,737,572; Dec. 3.

Covatch, Lott F., Rossiter, Pa. Aeroplane. 1,738,423; Dec. 3.

Crain, Jack R., assignor of one-half to C. V. Birkhead, R. Phelps, and G. D. Dewees, San Antonio, Tex. Frozen confection and process of manufacture. 1,737,919; Dec. 3.

Cramer, Roy, Dallas, Tex. Underreamer. 1,737,960; Dec. 3.

Cremean, William F., Toledo, Ohio. Door-locking mechanism. 1,737,920; Dec. 3.

Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Volume control of transmission. 1,737,830; Dec. 3.

Critchfield, Robert M., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Dynamo-electric machine. 1,738,171; Dec. 3.

Crocker, Thomas F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,738,358; Dec. 3.

Crompton & Knowles Loom Works. (See Clark, Everett E., assignor.)

Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)

Crompton & Knowles Loom Works. (See Ryod, Eppa H., assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Crompton & Knowles Loom Works. (See Unwin, Kenneth J., assignor.)

Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)

Crompton & Knowles Loom Works. (See Whitin, Herbert A., assignor.)

Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)

Crosby, Reuben S., and F. E. Newton, Hartford, Conn.; said Crosby assignor to said Newton. Machine for applying nuts to screws, bolts, and studs. 1,737,876; Dec. 3.

Crosby, Reuben S., and F. E. Newton, Hartford, Conn.; said Crosby assignor to said Newton. Machine for counting and packaging articles. 1,737,877; Dec. 3.

Crossley, Alfred, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal oscillator. 1,738,041; Dec. 3.

Cubberley, Warner I., Washington, D. C., assignor to Bennington Wax Paper Company, Bennington, Vt. Envelope for wax paper. 1,737,645; Dec. 3.

Culver, Orton G. (See Haman, G. W., and Culver.)

Cummings, Charles D., Tully, N. Y., assignor of twenty-five per cent to L. E. Fuller, Syracuse, N. Y., and forty-nine per cent to A. F. Fuller and C. A. Allen, Portsmouth, N. H. Attachment for hammers. 1,737,646; Dec. 3.

Cummings, Charles D., Tully, assignor of twenty-five per cent to L. E. Fuller, Syracuse, and forty-nine per cent to A. F. Fuller and C. A. Allen, Portsmouth, N. Y. Claw hammer. 1,737,647; Dec. 3.

Currier, Harry C., Minneapolis, Minn. Desk tablet. 1,738,139; Dec. 3.

Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine-cable construction. 1,738,234; Dec. 3.

Curtis Companies, Inc. (See Purvis, Harold, assignor.)

Curtis, John F., Chicago, Ill., assignor to O. F. Jordan Company, East Chicago, Ind. Spray nozzle. 1,737,831; Dec. 3.

Curtis Manufacturing Company. (See Steedman, Edwin H., assignor.)

Curtis, Rowland J., assignor to The Reeves Manufacturing Company, Dover, Ohio. Ear for bucket balls. 1,738,042; Dec. 3.

Cutler-Hammer, Inc. (See Hodgson, Howard E., assignor.)

Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)

Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Ball bearing. 1,738,359; Dec. 3.

D'Amore, Michael J., Milwaukee, Wis. Liquid-applying implement. 1,738,471; Dec. 3.

Dashleil, Philip T., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Manufacturing carbureted water gas. 1,738,493; Dec. 3.

Davies, Harold A., Alameda, Calif. Electric fluid-heating apparatus. 1,738,360; Dec. 3.

Davis, Charles C. (See Judson, R. V., Davis, and Klemm.)

Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,737,996; Dec. 3.

Dawson, Joseph R., Flushing, N. Y., assignor to The Linde Air Products Company. Reducing stresses in welded pipes. 1,737,786; Dec. 3.

Day-Fan Electric Company, The. (See Brump, H. L., and Bauch, assignors.)

Day, William P., Cleveland Heights, assignor to The International Steel Tire Company, Cleveland, Ohio. Road-bed construction for street railways and constructing the same. 1,738,043; Dec. 3.

De Giovanni, John, Brooklyn, assignor to Polymet Manufacturing Corporation, New York, N. Y. Electric material and making same. 1,738,044; Dec. 3.

Delco-Remy Corporation. (See Critchfield, Robert M., assignor.)

Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Pencil. 1,738,173; Dec. 3.

Delmanhorst, Herman F., Louisville, Ky., assignor, by mesne assignments, to Niles Machine Company, Lebanon, N. H. Fuse plug. 1,738,174; Dec. 3.

Deming Company, The. (See Deming, William L., assignor.)

Deming, William L., assignor to The Deming Company, Salem, Ohio. Lawn sprinkler. 1,737,832; Dec. 3.

De Mole, Lancelot E., Cremorne, near Sydney, New South Wales, Australia. Changing sign and display apparatus. 1,737,573; Dec. 3.

Derr, David C., Shamokin, Pa. Fishing-line signal. 1,737,921; Dec. 3.

Despard, Victor R., and H. C. R. Popp, Valparaiso, Ind., assignors to McGill Manufacturing Company. Contact-terminal mounting. 1,738,140; Dec. 3.

De Vito, Loula, Cleveland, Ohio. Machine for making flat noodles. 1,738,361; Dec. 3.

Dewees, George D., et al. (See Crain, Jack R., assignor.)

Dickson, George, Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Grinding machine. 1,737,707; Dec. 3.

Dictaphone Corporation. (See Bodine, Alfred V., assignor.)

Dimitroff, Joe. (See Stark, George W., assignor.)

Dirksen, Clarence A., Dubuque, Iowa. Electric testing tool. 1,738,287; Dec. 3.

Dithridge, James D., New York, N. Y., assignor to Bryce Brothers Company, Mount Pleasant, Pa. Footed tumbler or similar article. Des. 80,021; Dec. 3.

Divine, Bradford H., Utica, N. Y. Buffing-wheel cloth and making the same. 1,737,574; Dec. 3.

Dodds, Ethan I., Jr. (See Dodds, Ethan I., and E. I., Jr.)

Dodds, Ethan I., Central Valley, and E. I. Dodds, Jr., New York, N. Y.; said E. I. Dodds, Jr., assignor to Ethan I. Dodds, sr. Hand sanding machine. 1,738,062; Dec. 3.

Dodds, Ethan I., Central Valley, and E. I. Dodds, Jr., New York, N. Y.; said E. I. Dodds, Jr., assignor to Ethan I. Dodds, sr. Hand sanding machine. 1,738,063; Dec. 3.

Dodge Manufacturing Corporation. (See Bodle, Alexander T., assignor.)

Dombrow, Rudolph C., Riverside, Ill. Smoking toy locomotive. 1,737,787; Dec. 3.

Domoto, Takanoshin, Oakland, Calif. Canning abalone. 1,738,064; Dec. 3.

Donnelley, R. R., & Sons Company. (See Frazier, Philip A., assignor.)

D'Orsaneo, Natalino, Philadelphia, Pa. Antiaircraft projectile. 1,737,833; Dec. 3.

Doughan, Archie F., Cochran, Ore. Spring undercutter. 1,737,798; Dec. 3.

Dougherty, Wilber V., Mobile, assignor of one-half to W. W. Harwell, Chunchula, Ala. Tone-modifying attachment for phonographs. 1,737,788; Dec. 3.

Dow Chemical Company, The. (See Collings, W. R., and Shafer, assignors.)

Dow Chemical Company, The. (See Hale, W. J., and Britton, assignors.)

Downes, John R., Middlesex, N. J., assignor to Pacific Flush-Tank Company, New York, N. Y. Method of and apparatus for purifying sewage. 1,738,362; Dec. 3.

Dräger, Alexander B., deceased; E. Dräger, née Stange, executrix, assignor to H. O. Dräger, Lubbeck, Germany. Apparatus for administering gas. 1,737,575; Dec. 3.

Dräger, Elfriede, née Stange, executrix. (See Dräger, Alexander B., assignor.)

Dräger, Heinrich O. (See Dräger, Alexander B., assignor.)

Dublier Condenser Corporation. (See Dublier, William, assignor.)

Dublier Condenser Corporation. (See Ornstein, Jacques, assignor.)

Dublier, William, assignor to Dublier Condenser Corporation, New York, N. Y. Condenser. 1,737,752; Dec. 3.

Dublier, William, assignor to Dublier Condenser Corporation, New York, N. Y. Adjustable vacuum condenser. 1,738,175; Dec. 3.

Dunlop Rubber Company Limited. (See Twiss, D. F., and Murphy, assignors.)

Dunne, Joseph, et al. (See Oplitz, Bernhard O., assignor.)

Dunning Compressor Co. (See Sachsenmaier, Ervin E., assignor.)

Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)

Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Brake mechanism for railway cars. 1,737,922; Dec. 3.

Dwyer, Harold A., Baldwin, N. Y. Forgery-preventing means. 1,737,709; Dec. 3.

Dyer, Horace T., Greenwich, Conn., assignor to Peabody Engineering Corporation, New York, N. Y. Fuel burner. 1,738,176; Dec. 3.

Eakle, Flora B., West Alexandria, Ohio. Pastry storage and carrier device. 1,738,424; Dec. 3.

Eastern Finishing Works. (See Adams, William H., assignor.)

Eaton, Harold D., assignor to Bastian-Morley Co., La Porte, Ind. Heater. 1,737,834; Dec. 3.

Ebbinghaus, Ernst, New York, N. Y. Aeroplane or similar article. Des. 80,022; Dec. 3.

Eck, Herbert P. (See Steinmetz, H. G., and Eck.)

Eckstein, Harry P., Weehawken, N. J. Garment. 1,737,923; Dec. 3.

Eclipse Machine Company. (See McGrath, William L., assignor.)

Economy Fuse and Manufacturing Company. (See Cherry, Oscar A., assignor.)

Economy Fuse and Manufacturing Company. (See Cherry, O. A., and Kurath, assignors.)

Edgerton, Willard E. (See Blair, M. M., and Edgerton.)

Edgeworth-Johnstone, Robert, London, England. Electrolytic cell. 1,738,372; Dec. 3.

Edsall, William S., Reading, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Liquid-separating apparatus. 1,737,648; Dec. 3.

Edsall, William S., Reading, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric circuit controller. 1,737,649; Dec. 3.

Edwards, Gertrude E., Sable River, West, Nova Scotia, Canada. Portable and extensible propagating device. 1,738,363; Dec. 3.

Efcollite Corporation. (See Von Nessen, Walter, assignor.)

Eggert, Joseph, assignor to The Jaeger Machine Company, Columbus, Ohio. Meter for concrete-mixing machines. 1,738,045; Dec. 3.

Ehlers, Carl H., Penfield, assignor to The Atlantic Refining Company, Philadelphia, Pa. Flow-detecting system. 1,737,835; Dec. 3.

Ehret, Conrad, Oklahoma City, Okla. Cover lock. 1,737,576; Dec. 3.

Eight-Wheel Motor Vehicle Company. (See Smith, Horatio W., assignor.)

Ekvall, Edward E., Elgin, assignor to The W. H. Howell Company, Geneva, Ill. Head for smoking stands. Des. 80,023; Dec. 3.

Ekvall, Edward E., Elgin, assignor to The W. H. Howell Company, Geneva, Ill. Table top. Des. 80,024; Dec. 3.

Electric Furnace Company, The. (See Cope, Frank T., assignor.)

Electric Furnace Company. (See Cope, F. T., and Vaughan, assignors.)

Electric Porcelain and Manufacturing Company, The. (See Runkelbrod, Cornelius J., assignor.)

Elevator Supplies Company. (See Shonnard, Harold W., assignor.)

Ellis, Frank P., Glendale, Calif. Circuit breaker. 1,737,961; Dec. 3.

Ellis, Philip D., Dubois, Idaho. Attachment for plows. 1,738,364; Dec. 3.

Elton, Murray S., and G. E. Barnhart, assignors to C. R. Little, Pasadena, Calif. Automatic brick-holding machine. 1,738,046; Dec. 3.

Elwell-Parker Electric Company, The. (See Abbe, Edward J., assignor.)

Emanuel, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Jointing, splicing, and impregnating electric cables. 1,737,650; Dec. 3.

Emerson Electric Manufacturing Co. (See Persons, Laurence M., assignor.)

Emerson, Ono B., Allison, Iowa. Telegraph relay and scander. 1,737,962; Dec. 3.

Enna, Ernst F. H., Copenhagen, Denmark. Apparatus for cutting channels in parts of footwear. 1,737,577; Dec. 3.

Eppenhach, William, College Point, assignor to United States Colloid Mill Corporation, Long Island City, N. Y. Homogenizing mill. 1,738,288; Dec. 3.

Erbach, Frederick R., assignor to Kelyinator Corporation, Detroit, Mich. Compressor valve. 1,737,710; Dec. 3.

Eric City Iron Works. (See Carlson, Carl T., assignor.)

Escobedo, Pablo, East St. Louis, Ill. Flying machine. 1,737,963; Dec. 3.

Esmoude, John, New York, N. Y. Resonating dancing plate. 1,738,177; Dec. 3.

Esselmann, Paul. (See Heuck, C. and Esselmann.)

Esterow, Harry, New York, N. Y. Cigar lighter. 1,737,964; Dec. 3.

Etablissements L. Chambon. (See Corse, Gaston, assignor.)

Ettien, Nicholas L., assignor to C. F. Nofziger, Chicago, Ill. Electrical resistance unit and manufacturing same. 1,738,141; Dec. 3.

Evans, Franklin P., Caryville, Fla. Letter carrier's pouch. 1,738,425; Dec. 3.

Evans, L. R., Son Company. (See Mathews, Edward F., assignor.)

Extended Metal Products Company. (See Williams, Stephen L., assignor.)

F. R. C. Motor Co., The. (See Long, Albert R., assignor.)

Fabrey, William H., assignor to Weber Electric Company, Schenectady, N. Y. Electrical switch. 1,737,924; Dec. 3.

Falchanks Company, The. (See Ryan, E. F., and Adams, assignors.)

Fatmer, Clyde C., Pittsburgh, and T. H. Thomas, deceased, by M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. Ref. 7,509; Dec. 3.

Farmers' National Bank of Greenville, Ohio, trustee. (See French, C. A., and Waterman, assignors.)

Farnham, Carl O., deceased; First National Bank & Trust Company, administrator, Paris, Ill. Hoisting apparatus. 1,737,753; Dec. 3.

Farnum, William C., Fitchburg, Mass. Rolling toy. 1,737,651; Dec. 3.

Farrington, John F., assignor to Western Electric Company, Incorporated, New York, N. Y. Signalling. 1,738,255; Dec. 3.

Federal Telegraph Company. (See Brower, William M., assignor.)

Federal Telegraph Company. (See Kolster, Frederick A., assignor.)

Feigel, George R., Chicago, Ill. Automatic take-up piston. 1,738,047; Dec. 3.

Fentress, George E., assignor of one-half to H. H. Isaacs, Los Angeles, Calif. Antifriction pipe protector. 1,737,578; Dec. 3.

Fernald, Charles F., Weston, Mass., assignor to Barnes & Jones, Valve. 1,738,236; Dec. 3.

Ferris, William S., Elkhart, Ind. Chair or similar article. Des. 80,025; Dec. 3.

Feld, Sjonne, Chicago, Ill. Knee caster. 1,737,836; Dec. 3.

Férvot, Eugene, Lille, France. Preparing machine for spinning. 1,738,099; Dec. 3.

Finfield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 1,738,237; Dec. 3.

Filling Equipment Bureau, Incorporated. (See Charlton, Roy H., assignor.)

Fine, Bernard M., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Machine for forming articles from sheet material. 1,737,789; Dec. 3.

Finkiestein, Everett L., Dorchester, assignor to Sunshine Incorporated, Lynn, Mass. Light reflector. 1,738,426; Dec. 3.

Firestone Tire and Rubber Company, The. (See Brown, Roy W., assignor.)

Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)

First National Bank & Trust Company, administrator. (See Farnham, Carl O.)

Fisher, Ernest F., St. Louis, Mo., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Vapor generator. 1,737,837; Dec. 3.

Fix, Lewis E., Roswell, Ind., assignor to The Milwat Manufacturing Co., Paxton, Ill. Automobile valve tool. 1,738,178; Dec. 3.

Flanders, Ralph E., and R. O. Beardsley, assignors to Jones & Lamson Machine Company, Springfield, Vt. Tap holder for comparators. 1,737,579; Dec. 3.

Flauder, Alfred J., assignor to The Weldlich Bros. Mfg. Co., Bridgeport, Conn. Combined salt and pepper shaker. Des. 80,026; Dec. 3.

Fleming, George W., assignor to Fleming Machine Company, Worcester, Mass. Cutter. 1,737,580; Dec. 3.

Fleming Machine Company. (See Fleming, George W., assignor.)

Fletcher, Harvey, assignor to Western Electric Company, Incorporated, New York, N. Y. Tactile reception of sound. 1,738,289; Dec. 3.

Flower, William A., Twin Falls, Idaho. Photographic-printing machine. 1,737,965; Dec. 3.

Fogarty, Francis, Adelaide, Australia. Harvesting machine. 1,738,238; Dec. 3.

Forbush Shoe Company, The. (See Anderson, Reginald, assignor.)

Fort Pitt Mine Equipment Company. (See Johnson, George M., assignor.)

Foster, Carrel. (See Rex, W. H., assignor, and Woodward.)

Foster, Ernest C., Inkster, Mich. Differential. 1,738,179; Dec. 3.

Foster Wheeler Corporation. (See Primrose, John, assignor.)

Fotakis, John. (See Theoharis, T., and Fotakis.)

Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,738,290; Dec. 3.

Frank, Isaac. (See Storch, M., and Frank.)

Frankart, Inc. (See von Frankenberg, Arthur, assignor.)

Frankenstein, William B., Rochester, N. Y. Dishpan. 1,737,754; Dec. 3.

Franson, Fritz H., Denver, Colo. Watch construction. 1,738,239; Dec. 3.

Frazier, Philip A., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Signature-gathering machine. 1,738,180; Dec. 3.

French, Charles A., and R. R. Waterman, Long Beach, Calif., assignors to Farmers' National Bank of Greenville, Ohio, trustee, Greenville, Ohio. Apparatus for controlling automotive steam vehicles. 1,737,581; Dec. 3.

Frick, Chester A. (See Kaye, S., and Frick.)

Friedl, Krupp Grusonwerk Aktiengesellschaft. (See Schrott, Kasimir, assignor.)

Friedrich, Robert, Philadelphia, Pa. Hosiery. Des. 80,027; Dec. 3.

Frigitale Corporation. (See Stout, Elmer O., assignor.)

Frøberg, Knute A. (See Gydesen, A., Frøberg, and Kecnun.)

Front Wheel Control, Inc. (See Moller, Wilhelm, assignor.)

Fry, Adolf, Essen, Germany, assignor, by mesne assignments, to The Nitralloy Corporation. Hardening metal articles by nitrogeneration. 1,737,711; Dec. 3.

Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,737,582; Dec. 3.

Fuller, Alexander F., et al. (See Cummings, Charles D., assignor.)

Fuller, Leo E., et al. (See Cummings, Charles D., assignor.)

Fuller, Perley H., Auburn, Me., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricant-exPELLing cup. 1,737,838; Dec. 3.

Fultz, Utah F., Dallas, Tex. Poster sign. Des. 80,028; Dec. 3.

Furstenburg, James R., Cumberland, Md. Bending tool for boiler flues. 1,737,583; Dec. 3.

Fusion Welding Corporation. (See Holt, Robert W., assignor.)

Gahagan, Charles E., Pittsburgh, Pa. Blade holder. 1,738,365; Dec. 3.

Gall, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Thread-controlled stopping device for sewing machines. 1,738,142; Dec. 3.

Gammeter, John R., assignor to The George W. Perka Company, Akron, Ohio. Abrasive wheel. 1,738,472; Dec. 3.

Gannett, Danforth K., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Ballast lamp and filament activity test for repeaters. 1,737,652; Dec. 3.

Gardner, Frederick P., New York, N. Y. Device for spreading and feeding fibrous plant stalks and the like. 1,737,584; Dec. 3.

Garrard, Charles G., assignor to Garrard Gears Limited, London, England. Transmission of power. 1,737,997; Dec. 3.

Garrard Gears Limited. (See Garrard, Charles G., assignor.)

Gastman, Jack, New York, N. Y. Filling device for cigar and cigarette lighter. 1,738,181; Dec. 3.

Gathmann Engineering Company. (See Measler, Eugene L., assignor.)

Gatke, Thomas L., Chicago, Ill. Friction lining and forming same. 1,738,291; Dec. 3.

Gaupp, Rudolf, Cologne-on-the-Rhine, assignor to Motorenfabrik Deutz Aktiengesellschaft, Cologne-Deutz, Germany. Injecting nozzle for viscous fuels in Diesel engines. 1,737,653; Dec. 3.

Gazelle, Roland L., Montreal, Quebec, Canada. Tank construction. 1,737,712; Dec. 3.

Gelsen, Hans, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Electric power-generating system. 1,737,791; Dec. 3.

Gendron Wheel Company, The. (See Meyers, James C., assignor.)

General Aniline Works, Inc. (See Zitscher, A., and Muris, assignors.)

General Electric Company. (See Anderson, Arvid E., assignor.)

General Electric Company. (See Anderson, Robert G., assignor.)

General Electric Company. (See Barton, Loy E., assignor.)

General Electric Company. (See Charlton, Ernest E., assignor.)

General Electric Company. (See Jackson, Henry W., assignor.)

General Electric Company. (See Jewitt, Dennis E., assignor.)

General Electric Company. (See Maggs, Arthur H., assignor.)

General Electric Company. (See Otis, A. N., and Hegel, assignors.)

General Electric Company. (See Scott, Carl F., assignor.)

General Electric Company. (See Smith, Arthur R., assignor.)

General Electric Company. (See Stevens, Harry M., assignor.)

General Electric Company. (See Townsend, George R., assignor.)

General Electric Company. (See Wade, E. J., and Rudge, assignors.)

General Electric Company. (See Wagner, R. E., and Laird, assignors.)

General Electric Company. (See Warner, Russell A., assignor.)

General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)

General Motors Research Corporation. (See Williams, Harry M., assignor.)

General Steel Castings Corporation. (See Ashe, William O., assignor.)

Genest, Homer A., Danbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for and method of hardening hat bats. 1,738,494; Dec. 3.

Gersman, Harvey M., Buffalo, N. Y. Expanding metal. 1,737,998; Dec. 3.

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schriever, Otto, assignor.)

Gessner, David, Worcester, Mass. Machine for moistening cloth. 1,737,790; Dec. 3.

Gibson, Marshall D., Webster Groves, Mo. Can opener. 1,737,713; Dec. 3.

Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)

Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine duplex telegraph system. 1,738,292; Dec. 3.

Gilden, William E., Chicago, Ill. Safety attachment for wrenches. 1,737,714; Dec. 3.

Gill, Albert W. (See Mertz, Charles C., assignor.)

Gilman, George H. (See Pierson, John A., assignor.)

Glass, Otto, Chicago, Ill. Concertina action. 1,737,839; Dec. 3.

Gleason, Homer E., assignor to Cascade Fixture Company, Seattle, Wash. Chandelier or similar article. Des. 80,029; Dec. 3.

Goldard, Walter T., Hamilton, Ontario, Canada, assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,737,999; Dec. 3.

Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)

Gold, Edward E., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Thermostatic valve. 1,737,585; Dec. 3.

Golnick, Paul A., C. E. Ives, F. W. Broderick, and F. C. Arey, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Adjustable platen for addressing machines. 1,737,878; Dec. 3.

Goodbar, Joseph E., Boston, Mass. Greeting-card mailing and display envelope. 1,738,182; Dec. 3.

Gooderham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical controlling device. 1,738,293; Dec. 3.

Gooderham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,738,294; Dec. 3.

Goodrich, B. F., Company, The. (See Howe, Arthur J., assignor.)

Goodridge, Gilbert W., Fairfield, and G. B. Thomas, assignors to The Bryant Electric Company, Bridgeport, Conn. Lamp socket. 1,738,366; Dec. 3.

Goodwin, John O., Akron, assignor to Selberling Rubber Company, Barberton, Ohio. Rubber heel. 1,738,048; Dec. 3.

Gorbitt, Sidney B., assignor, by mesne assignments, to Willamette-Ersted Company, Portland, Ore. Support and anchor for tractor hoists. 1,737,840; Dec. 3.

Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Two-weave dobby. 1,737,654; Dec. 3.

Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Name dobby for looms. 1,737,655; Dec. 3.

Goshorn, Robert H., assignor to The All-Ways-Hot Mfg. Co., Jaconville, Ind. Radiator. 1,738,109; Dec. 3.

Goslee, Hart J., Chicago, Ill. Artificial teeth. 1,737,715; Dec. 3.

Gould Coupler Company, The. (See Richards, Willard F., assignor.)

Gouldbourn, Joseph. (See Hipperson, V. E., and Gouldbourn.)

Graf, Alfons, New York, N. Y. Pan cleaning and greasing machine. 1,738,240; Dec. 3.

Graham, Homer L., La Habra, assignor of one-half to W. H. Taylor and V. W. Bailey, Pasadena, Calif. Drill-drive-stem bushing. 1,738,101; Dec. 3.

Graham, James A. (See Anderson, John W., assignor.)

Graham, William S., Canton, Ill., assignor to International Harvester Company. Furrow-wheel adjustment for plows. 1,737,879; Dec. 3.

Graham, William S., Canton, Ill., assignor to International Harvester Company. Gang plow. 1,737,880; Dec. 3.

Gramarben Company, The. (See Holden, Benedict M., assignor.)

Gramlich, Adolph, New York, N. Y. Doll or similar article. Des. 80,030; Dec. 3.

Grant, William H., assignor to Frank Holton & Co., Elkhorn, Wis. Key-valve pad for musical instruments. 1,737,966; Dec. 3.

Grathwol, William L., Stratford, Conn. Vacuum cleaner for automobiles. 1,738,065; Dec. 3.

Grathwol, William L., Stratford, Conn. Vacuum cleaner for automobiles. 1,738,066; Dec. 3.

Gravenhorst, Charles F. (See Horton, A. J., and Gravenhorst.)

Green, Estill L., East Orange, N. J., assignor to American Telephone and Telegraph Company. Volume control of transmission. 1,738,000; Dec. 3.

Green, James A., assignor to The Brooks Bank & Trust Company, Torrington, Conn. Collapsible bench. 1,738,473; Dec. 3.

Greenwald, Harold A. (See Weeks, J. R., and Greenwald.)

Gregg, Bessie L. (See Campbell, F. N., and Myatt, assignor.)

Griffen & Bowen, Inc. (See Bowen, Lester W., assignor.)

Griffith, Francis, Passaic, N. J., P. J. Birkmeyer and H. G. Life, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Conveyor system. 1,738,427; Dec. 3.

Groene, William F., assignor, by mesne assignments, to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Change-gear mechanism. 1,737,881; Dec. 3.

Guastello, Alfonso G., Brooklyn, N. Y. Automatic station indicator. 1,738,241; Dec. 3.

Gunn, Charles H., San Francisco, Calif. Safety appliance for aeroplanes. 1,738,001; Dec. 3.

Günther, Fritz, and J. Hetzer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of alkylated aromatic sulphonic acids. 1,737,792; Dec. 3.

Günther, William H., San Francisco, Calif. Golf-bag support. 1,738,242; Dec. 3.

Güttiger, Heinrich, Wetztingen, assignor to Aktiengesellschaft Brown, Boveri and Cie, Baden, Switzerland. Quick-acting regulator. 1,738,102; Dec. 3.

Gydesen, Ansgar, K. A. Frøberg, and W. J. Keenan, assignors to Printers Supply Company, Minneapolis, Minn. Insert-printing device. 1,737,925; Dec. 3.

Hadley Company, The. (See Tost, Charles R., assignor.)

Hagen, Clarence R. (See Johnston, E. A., Baker, and Hagen.)

Hale, William J., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of phenol. 1,737,841; Dec. 3.

Hale, William J., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Making phenols. 1,737,842; Dec. 3.

Hall, Carter F., Baltimore, Md. Compressor and the like. 1,738,104; Dec. 3.

Hall, John C., Whiting, Ind. Golf bag. 1,737,967; Dec. 3.

Haman, George W., and O. G. Culver, La Porte, Ind. Automatic stop device. 1,738,103; Dec. 3.
 Hamilton Beach Manufacturing Company. (See Myers, Thomas B., assignor.)
 Hamilton, Paul H., assignor to The Sands Manufacturing Company, Cleveland, Ohio. Thermostatic valve. 1,737,755; Dec. 3.
 Hammer, Edwin W., East Orange, N. J., assignor to Cline Electric Manufacturing Company, Chicago, Ill. Making high-speed pasters. 1,738,002; Dec. 3.
 Hammermill Paper Company. (See Johnson, Bjarne, assignor.)
 Handy, Royal S., Kellogg, Idaho, assignor to Patino Mines & Enterprises Consolidated Inc., New York, N. Y. Concentration of ores. 1,737,716; Dec. 3.
 Handy, Royal S., Kellogg, Idaho, and R. B. Beard, Lallagua, Bolivia, assignors to Patino Mines & Enterprises Consolidated Inc., New York, N. Y. Flotation of cassiterite. 1,737,717; Dec. 3.
 Hanny, Charles E., Unionville, assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,738,049; Dec. 3.
 Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Quenching device for drill steels. 1,738,050; Dec. 3.
 Hanson, Sigvort, assignor to Racine Dispenser Manufacturing Company, Racine, Wis. Dispensing machine. 1,738,428; Dec. 3.
 Hardy, William H., Fort Worth, Tex. Cushion for office furniture. 1,738,295; Dec. 3.
 Harker, Parley, Lewisville, Idaho. Automatic check gate. 1,738,051; Dec. 3.
 Harper, William, assignor of one-half to H. C. Morris, Albany, Ore. Self-cleaning saw for bark-peeling machines. 1,738,067; Dec. 3.
 Harris, Hu M., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Hydraulic swivel. 1,737,793; Dec. 3.
 Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Combined typewriting and computing machine. 1,737,586; Dec. 3.
 Hart & Hutchinson Company, The. (See Anderson, Gustav H., assignor.)
 Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Metallic baffle. 1,737,758; Dec. 3.
 Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Metallic baffle. 1,737,757; Dec. 3.
 Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Metallic baffle. 1,737,758; Dec. 3.
 Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Metallic baffle. 1,737,759; Dec. 3.
 Hartford-Empire Company. (See Miller, William J., assignor.)
 Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-transferring system. 1,737,843; Dec. 3.
 Hartman, W. H., et al. (See Anderson, Emil S., assignor.)
 Harwell, W. W. (See Dougherty, Wilber V., assignor.)
 Haskell, G. Austin, et al. (See Baker, Elbridge, assignor.)
 Hatch, Nathan, Albany, N. Y. Garment. 1,737,882; Dec. 3.
 Haught, Harry E., Wilkinsburg, Pa. Combination pen and pencil. 1,738,367; Dec. 3.
 Haughton Elevator & Machine Company, The. (See Thurston, Ernest B., assignor.)
 Haughton Elevator & Machine Company, The. (See Thurston, E. B., and Ohler, assignors.)
 Hausmann, Lemuel M., Highland Park, assignor to Square D Company, Detroit, Mich. Electrical fitting. 1,737,718; Dec. 3.
 Hawkins, Lutz, Mount Vernon, Ill. Incubator. 1,738,368; Dec. 3.
 Hayden, Harold R., Brooklyn, N. Y., assignor of one-half to A. E. Van Doren, Dial control. 1,738,296; Dec. 3.
 Hecht, Heinrich, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Diaphragm especially for sound receiving and radiating apparatus. 1,737,883; Dec. 3.
 Hedberg, Frederick H., Chicago, Ill. Combined flash light and alarm. 1,738,243; Dec. 3.
 Hedstrom, Gustav V., Kenosha, Wis. Control for variable radio tuning units. 1,738,369; Dec. 3.
 Hegel, George W. (See Otis, A. N., and Hegel.)
 Heine, Herman E. (See Schlesinger, L., and Heine.)
 Heineman, Henry E. O. (See Heineman, Paul G., and H. E. O.)
 Heineman, Paul G., and H. E. O., Chicago, Ill., assignors to Cook Laboratories, Inc. Medicament-dispensing cartridge. 1,737,844; Dec. 3.
 Heisel, Reuben H., Long Island City, assignor to Automatic Ticket Register Corporation, New York, N. Y. Ticket-validating device. 1,738,244; Dec. 3.
 Henderson, Nelson H., assignor to Syracuse Industrial Gas Company, Syracuse, N. Y. Dishwashing machine. 1,737,794; Dec. 3.
 Henley, Dennis B. (See Walker, E. R., and Henley.)

Hercules Powder Company. (See Humphrey, I. W., and Bent, assignors.)
 Hercules Powder Company. (See Smith, Lee T., assignor.)
 Hercules Products, Inc. (See Reidhaar, Frank P., assignor.)
 Hetzer, Josef. (See Günther, F., and Hetzer.)
 Heuck, Claus, Ludwigshafen-on-the-Rhine, and P. Esselmann, Premnitz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Reduction of the swelling capacity of hydrated cellulose and the resulting product. 1,737,760; Dec. 3.
 Hexdall, Andrew, Morris, Ill. Sheet-metal-cutter attachment for electric motors. 1,737,884; Dec. 3.
 Heyman, Joseph J., assignor to Milano Furniture Company, Inc., Chicago, Ill. Coffee table. 1,738,429; Dec. 3.
 Heywood, Charles F., assignor to Sky Specialties Corporation, Detroit, Mich. Internal-combustion engine. 1,737,845; Dec. 3.
 Hickman, Charles D., Philadelphia, Pa. Inset valve for radiators. 1,738,052; Dec. 3.
 Hickman, Joseph T., Cottage City, Md. Window weather-proofing device and screen hanger. 1,738,183; Dec. 3.
 Hickok, Leon C., Grand Rapids, Mich. Dentist's bite-check apparatus. 1,738,143; Dec. 3.
 Hilester, Norman T., Dayton, Ohio. Air filter. 1,737,587; Dec. 3.
 High, John M., Jr., New York, N. Y. Actuating device for loud-speakers. 1,738,370; Dec. 3.
 Hill, Frank F., Embarrass, Minn. Disk-harrow sharpener. 1,738,003; Dec. 3.
 Hill, Van Dyke, Scarsdale, N. Y. Photographic apparatus. 1,738,053; Dec. 3.
 Hill, Van Dyke, Scarsdale, N. Y. Motion-picture film. 1,738,054; Dec. 3.
 Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,738,245; Dec. 3.
 Hintze, Walter B. (See Sheller, John C., assignor.)
 Hipperson, Victor E., Norwich and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,737,719; Dec. 3.
 Hirschman, Max, New York, N. Y. Lightproof window closure. 1,737,885; Dec. 3.
 Hiter, William Y., Louisa, Va. Feed harrier for mangers. 1,738,068; Dec. 3.
 Hodges, Gordon K., Montreal, Quebec, Canada. Legging. 1,737,795; Dec. 3.
 Hodgson, Howard E., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Circuit controller for lifting magnets. 1,737,846; Dec. 3.
 Hoe, R., & Co. (See Horton, A. J., and Gravenhorst, assignors.)
 Hoecker, Albert C., St. Louis, Mo. Combined bumper and jack for automobiles. 1,737,720; Dec. 3.
 Hoegger, Joseph A., Jersey City, N. J. Wall cabinet. Ref. 510; Dec. 3.
 Hoffman, Rudolph, Cleveland, Ohio. Grid. 1,738,297; Dec. 3.
 Hoffmann, Max F. G., Chemnitz, Germany. Indicator. 1,737,657; Dec. 3.
 Holington, Harry, Davenport, Iowa. Gun carriage. 1,738,474; Dec. 3.
 Hoker-Poker Company. (See Paslay, Robert E., assignor.)
 Holden, Benedict M., assignor to The Gramophone Company, Hartford, Conn. Drawer fastener. 1,738,004; Dec. 3.
 Holder, Homer J., Hamlin, Tex. Fuel-burner attachment for stoves and the like. 1,738,184; Dec. 3.
 Holland, John C., Brooklyn, N. Y. Detachable cuff. 1,737,796; Dec. 3.
 Holland, P. C., et al. (See Baker, Elbridge, assignor.)
 Holm, Charles A. and M., Tigerton, Wis. Sharpener for feed cutters. 1,738,005; Dec. 3.
 Holm, Karl A. B. (See Viksten, E. G., and Holm.)
 Holm, Martin. (See Holm, Charles A. and M.)
 Holt, Robert W., assignor to Fusion Welding Corporation, Chicago, Ill. Cutting electrode. 1,738,246; Dec. 3.
 Holte, Harold O., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrosensitive device. 1,737,761; Dec. 3.
 Holton, Frank & Co. (See Grant, William H., assignor.)
 Holtson, James B., assignor to Holtson Manufacturing Corporation, Baltimore, Md. Tank fill box. 1,738,069; Dec. 3.
 Holtson Manufacturing Corporation. (See Holtson, James B., assignor.)
 Holtz, Abraham, Bronx, N. Y. Fringe. Des. 80,031; Dec. 3.
 Holtz, John B., Los Angeles, Calif., assignor to Invention Development Corporation, Carson City, Nev. Advertising pedestal for clock and weighing machine. Des. 80,032; Dec. 3.
 Hooper, Douglas J. (See Whippy, G. F., Hooper, and Manley.)
 Hopkins, Frank H., Arlington, and F. B. Woodman, Worcester, Mass., assignors, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Encased adjustable weight-loaded valve. 1,737,588; Dec. 3.
 Horton, Albert J., White Plains, and C. F. Gravenhorst, Brooklyn, assignors to R. Hoe & Co., Inc., New York, N. Y. Red-driving mechanism for power plate presses. 1,738,055; Dec. 3.

Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Controlling means for calculating machines. 1,738,144; Dec. 3.
 Hotel Folder Distributing Corporation. (See Moore, L. G., and Pelot, assignors.)
 Hottinger, Adolph F., assignor to The Northwestern Terra Cotta Company, Chicago, Ill. Making terra-cotta articles. 1,737,847; Dec. 3.
 Houghton, William H., Los Angeles, Calif. Roofing. 1,738,006; Dec. 3.
 Howe, Arthur J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyor. 1,737,762; Dec. 3.
 Howe, Fred M., Wellshoro, Pa. Piston. 1,737,658; Dec. 3.
 Howell, W. H., Company, The. (See Ekvall, Edward E., assignor.)
 Hueber, Henry. (See Oshel, J. R., and Hueber.)
 Hughes, Charles J. (See Whiting, H. A., Hughes, and Maher.)
 Hubbert, George J., Seattle, Wash. Arbor. 1,738,145; Dec. 3.
 Hulva, Lester W., and G. A. Williams, San Diego, Calif., said Hulva assignor to said Williams. Storage-battery liquid-leak detector and filler. 1,737,848; Dec. 3.
 Humphrey, Irvin W., Dover, N. J., and L. N. Bent, Holly Oak, Del., assignors to Hercules Powder Company, Wilmington, Del. Refining wood rosin. 1,737,763; Dec. 3.
 Hunter, Arthur T., University City, Mo., assignor to International Combustion Engineering Corporation, New York, N. Y. Apparatus and method for forming extensions upon tubes. 1,738,056; Dec. 3.
 Husta, Philipp, Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current-controlling system. 1,738,247; Dec. 3.
 I. G. Farbenindustrie Aktiengesellschaft. (See Günther, F., and Hetzer, assignors.)
 I. G. Farbenindustrie Aktiengesellschaft. (See Heuck, C., and Esselmann, assignors.)
 I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Jahrstorfer, assignors.)
 Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
 International Combustion Engineering Corporation. (See Hunter, Arthur T., assignor.)
 International Corset Company. (See Ulman, Rosanna D., assignor.)
 International Harvester Company. (See Graham, William S., assignor.)
 International Harvester Company. (See Johnston, E. A., Baker, and Hagen, assignors.)
 International Harvester Company. (See Webster, William, assignor.)
 International Harvester Company. (See Welty, Albert B., assignor.)
 International Precipitation Company. (See Witte, Gustav A., assignor.)
 International Radiator Corp. (See Beach, Ralph H., assignor.)
 International Seal and Knot Protector Co., The. (See Keldel, Frank, assignor.)
 International Shoe Company. (See Copeland, William A., assignor.)
 International Steel Tie Company, The. (See Day, William P., assignor.)
 Invention Development Corporation. (See Holtz, John B., assignor.)
 Ireland, Thomas H., Rockville Center, N. Y. System for drying paper and textiles and the like. 1,737,926; Dec. 3.
 Isaac, Peter, Winnipeg, Manitoba, Canada. Agricultural implement. 1,738,185; Dec. 3.
 Isaacs, Harry H. (See Fentress, George E., assignor.)
 Isabey-Paris, Inc. (See Rebel, Leopold M., assignor.)
 Ives, Clifford E. (See Gollnick, P. A., Ives, Broderick, and Arey.)
 Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television. 1,738,007; Dec. 3.
 Jackson, Henry W., East Orange, N. J., assignor to General Electric Company. Electron-discharge device. 1,738,430; Dec. 3.
 Jackson, Henry W., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,738,475; Dec. 3.
 Jackson, S. W., et al. (See Morton, Frank M., assignor.)
 Jackson, William E., Amarillo, Tex. Electric lantern. 1,737,968; Dec. 3.
 Jacob, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Lock. 1,738,105; Dec. 3.
 Jacobs, Joseph H., Rochester, N. Y. Combined micrometer caliper and depth gauge. 1,737,764; Dec. 3.
 Jacobs, Joseph H., Rochester, N. Y. Curling-iron attachment. 1,737,765; Dec. 3.
 Jacobsen, Jens N., Alameda, Calif., assignor to The Pfaunder Company, Rochester, N. Y. Heat-transfer apparatus. 1,737,849; Dec. 3.
 Jacot, Henry, Apple Creek, Ohio. Sanitary feed trough. 1,737,797; Dec. 3.
 Jaeger Machine Company, The. (See Eggert, Joseph, assignor.)
 Jahrstorfer, Michael. (See Pungs, W., and Jahrstorfer.)
 Jamieson, Charles M., assignor, by mesne assignments, to Brodrex Company, Winter Haven, Fla. Apparatus for coating articles. 1,738,431; Dec. 3.

Jaspert, William B., Pittsburgh, Pa. Composite floor. 1,737,589; Dec. 3.
 Jellinek, Paul, and F. Beer, Vienna, Austria. Apparatus for calculating and measuring purposes. 1,737,659; Dec. 3.
 Jenckes, George W., Lakewood, assignor to D. M. Watkins Co., Inc., Providence, R. I. Connector for necklaces and the like. 1,738,371; Dec. 3.
 Jenks, Frank D. (See Webb, G., and Jenks.)
 Jewitt, Dennis E., Rugby, England, assignor to General Electric Company. Power system. 1,738,433; Dec. 3.
 Jodeck, Paul, Berlin, assignor to Allgemeine Gesellschaft für Chemische Industrie m. b. H., Berlin-Schöneberg, Germany. Apparatus for continuously expelling the sulphur dioxide from mixtures of sulphur dioxide and oil. 1,738,070; Dec. 3.
 Johnson, Bjarne, assignor to Hammermill Paper Company, Erie, Pa. Chemical pulping process. 1,737,590; Dec. 3.
 Johnson, Charles W., Seattle, Wash. Combination air and oil valves. 1,738,071; Dec. 3.
 Johnson, George M., Jeannette, assignor to Fort Pitt Mine Equipment Company, Pittsburgh, Pa. Car-stop device. 1,738,008; Dec. 3.
 Johnson, John E., assignor to Speedmat Manufacturing Company, Chicago, Ill. Printing machine. 1,737,721; Dec. 3.
 Johnson, Lewis H., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,738,298; Dec. 3.
 Johnston, Edward A., D. B. Baker, and C. R. Hagen, assignors to International Harvester Company, Chicago, Ill. Cotton picker. 1,737,850; Dec. 3.
 Johnstone, Robert M. (See Cameron, J. A., and Johnstone.)
 Jones, Cecil R. (See Sherer, Ralph, assignor.)
 Jones, Earl W. (See Jones, L. B., and Battin.)
 Jones & Lamson Machine Company. (See Flanders, R. E., and Beardsley, assignors.)
 Jones, Lee B., E. W. Jones, and R. G. Battin, assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind. Electric system. 1,737,722; Dec. 3.
 Jones, William T., Newtonville, Mass., assignor to Barnes & Jones, Valve. 1,738,248; Dec. 3.
 Jordahl, Anders, New York, N. Y. Air and gas filters. 1,738,249; Dec. 3.
 Jordan, O. F., Company. (See Curtis, John F., assignor.)
 Judell, Julius S., and J. P. Bittel, assignors to The Milwaukee Flush Valve Company, Milwaukee, Wis. Faucet valve. 1,738,250; Dec. 3.
 Judson, Russell V., Detroit, C. C. Davis, Fenton, Mich., and E. O. Klemm, Cicero, Ill. Radio receiving apparatus. 1,738,172; Dec. 3.
 Juul, Peter A., Chicago, Ill., assignor to Latham Machinery Company, Perforating machine. 1,737,851; Dec. 3.
 Kadel, Byers W., Baltimore, Md. Railway car. 1,737,927; Dec. 3.
 Kadel, Byers W., Baltimore, Md. Car-door-locking device. 1,738,057; Dec. 3.
 Kahn, Max, assignor to Pen-O-Pencil Co., Inc., New York, N. Y. Combined penholder and desk pad. Des. 80,033; Dec. 3.
 Kaighin, Arnold. (See Baker, H. C., and Kaighin.)
 Kalle, Torsten, Saffo, Sweden. Controlling the supply of a driving fluid, the pressure of a fluid, and similar purposes. 1,738,072; Dec. 3.
 Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Filling mechanism. 1,738,432; Dec. 3.
 Kasley, Alexander T., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gearing. 1,738,251; Dec. 3.
 Kaufmann Department Stores, Inc. (See Sesti, Ferdinand, assignor.)
 Kayatt, Phillip J., Yonkers, assignor to American Neon Light Corporation, New York, N. Y. Insulator. 1,738,009; Dec. 3.
 Kaye, Samuel, Columbus, Miss., and C. A. Frick, Muncie, Ind.; said Frick assignor to said Kaye. Refrigerator. 1,738,476; Dec. 3.
 Keeler, John N., Cleveland, assignor to Continental Greenhouse Mfg. Company, Cuyahoga County, Ohio. Greenhouse construction. 1,737,766; Dec. 3.
 Keenan, William J. (See Gydesen, A., Froberg, and Keenan.)
 Keldel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,738,252; Dec. 3.
 Kelsey-Hayes Wheel Corporation. (See Batie, Joseph E., assignor.)
 Kelvinator Corporation. (See Erbach, Frederick R., assignor.)
 Kelvinator Corporation. (See Spreen, Charles C., assignor.)
 Kennedy, Lucille, et al. (See Carlson, Frank J., assignor.)
 Keppy, Jesse L., D., Berkeley, Calif. Heating device. 1,737,828; Dec. 3.
 Kern, Fred M., Detroit, Mich., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding machine. 1,737,852; Dec. 3.
 Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore, City, Baltimore, Md. Apparel buckle. 1,738,477; Dec. 3.
 Kernin, Alfred G., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Device for blowing boilers. 1,737,591; Dec. 3.

Kidder, Burgess M., et al. (See Perkins, Willis J., assignor.)
 Kilgour, Loren W., Cleveland, Ohio. Automobile body. Des. 80,034; Dec. 3.
 Kille, Lindley A., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intermittently-operated signaling device. 1,738,299; Dec. 3.
 Kimball, James L., assignor to Ruggles-Klingemann Mfg. Company, Salem, Mass. Thermostatic-control apparatus and method. 1,738,073; Dec. 3.
 Kinsinger, Adolf, Pforzheim, Germany. Pencil holder for leads of different kind, thickness, or color. 1,737,798; Dec. 3.
 Kirschbraun, Lester, Leonia, N. J. Waterproof sheet and making same. 1,738,509; Dec. 3.
 Kispert, Joseph J., Branford, assignor to I. Newman & Sons, Inc., New Haven, Conn. Corset. 1,738,434; Dec. 3.
 Klemm, Edwin O. (See Judson, R. V., Davis, and Klemm.)
 Klinker, Herman H. D., New York, N. Y. Flying machine. 1,738,010; Dec. 3.
 Klinking, August F., Milwaukee, Wis. Animal drinking fountain. 1,738,300; Dec. 3.
 Kleess, Hans K., Hamburg, Germany. Hull construction. 1,737,886; Dec. 3.
 Koch, Frank H. (See McKnight, C. C., and Koch.)
 Kodak Radio Corporation. (See Ogden, Clarence E., assignor.)
 Kogebian, Ervand, Paris, France. Three-weighted torsion balance. 1,737,600; Dec. 3.
 Koken Companies. (See Carter, Lionel A., assignor.)
 Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Vacuum-tube system. 1,738,495; Dec. 3.
 Komuslin, née Liedtke, Helene, Berlin, Germany. Rolling stamp with counting mechanism for printing purposes of any kind. 1,738,373; Dec. 3.
 Konoff, Alexander. (See Marcus, S., and Konoff.)
 Kooistra, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Roving traverse mechanism for spinning frames. 1,737,592; Dec. 3.
 Kornreich, Harry, New York, N. Y. Making sausage rolls. 1,738,301; Dec. 3.
 Kraemer, Peter J., Regina, Saskatchewan, Canada. Binder. 1,737,853; Dec. 3.
 Krasa, Albert, Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Cutting attachment for sewing machines. 1,738,386; Dec. 3.
 Krauth & Benninghofen. (See Schlichter, Oscar, assignor.)
 Kreeck, Joseph A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,738,302; Dec. 3.
 Krechmer, Harry H., Ventnor, N. J. Automobile towing rope. 1,737,374; Dec. 3.
 Kretschberg, Otto A., Lake Bluff, Ill. Centrifugal pulverizer. 1,737,854; Dec. 3.
 Krich, George, St. Louis, Mo. Airship. 1,738,187; Dec. 3.
 Krone-Sebek Die Casting & Mfg. Co. (See Sebek, Albert, assignor.)
 Krosow, Henry J., Milwaukee, Wis. Ejector pump. 1,737,887; Dec. 3.
 Krumm, Jacob M., Newhall, Iowa. Stock-watering fountain. 1,738,303; Dec. 3.
 Kuehner, Wilhelm, Providence, R. I. Bracelet. 1,738,106; Dec. 3.
 Kulik, Irving, Brooklyn, N. Y., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,738,146; Dec. 3.
 Kupa, Johann, London, England. Cam-operated balanced valve gear for steam locomotives and like engines. 1,738,425; Dec. 3.
 Kurath, Franz. (See Cherry, O. A., and Kurath.)
 Kurowski, Alfred G. F., Brooklyn, N. Y., and C. E. Norlin, Jersey City, N. J., assignors to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,737,723; Dec. 3.
 Kux, Albert S., Chicago, Ill. Cleaning device. 1,737,855; Dec. 3.
 Lacey, Philip H. (See Lacey, Thomas A., and P. H.)
 Lacey, Thomas A., Somerville, Mass., and P. H. Lacey, Troy, Ohio. Automatic bobbin cleaner. 1,737,969; Dec. 3.
 Lachin, Victor, New Orleans, La. Lathe. 1,738,436; Dec. 3.
 Laird, Wesley E. (See Wagner, R. E., and Laird.)
 Landenberger, Henry W., and E. Cannon, assignor to American Fluid Motors Company, Philadelphia, Pa. Fluid pump. 1,738,375; Dec. 3.
 Landers, Fray & Clark. (See Smith, Charles F., assignor.)
 Lane, Clarence E. (See Smythe, E. H., and Lane.)
 Langdon Engineering Corporation. (See Langdon, Jesse D., assignor.)
 Langdon, Jesse D., assignor to Langdon Engineering Corporation, Los Angeles, Calif. Valve. 1,738,437; Dec. 3.
 Lange, Richard, Leonia, N. J. Press attachment for feeding-roll leaves. 1,737,593; Dec. 3.
 Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,737,970; Dec. 3.
 Lanyon, Samuel H., Oakland, Calif., assignor to Lapp Insulator Co., Le Roy, N. Y. Insulating support. 1,738,188; Dec. 3.
 Lapp Insulator Co. (See Lanyon, Samuel H., assignor.)

Larche, Lucien E., Stamford, Tex. Price-tag-supporting shelf. 1,738,376; Dec. 3.
 Latham Machinery Company. (See Juul, Peter A., assignor.)
 Laughlin, Elmyr A., Oregon, Ill., and E. R. Packer, New Rochelle, said Packer assignor to Q. & C. Company, New York, N. Y. Side bearing. 1,737,594; Dec. 3.
 Laurent, Louis C., Denver, Colo. Reflector for automobile headlights. 1,738,304; Dec. 3.
 Laux, Richard, Fort Wayne, Ind. Braser knife for fountain pens. 1,738,496; Dec. 3.
 Law, Albert, Jackson Heights, N. Y. Tubular rack. 1,737,971; Dec. 3.
 Leavenworth, Harold T., Bridgeport, Conn. Process and agent for carotting furs. 1,738,189; Dec. 3.
 Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
 Lee, Albert P., Plymouth, Ind., assignor to Lee Trailer & Body Co., Chicago, Ill. Fifth-wheel structure. 1,737,724; Dec. 3.
 Lee Trailer & Body Co. (See Lee, Albert P., assignor.)
 Lefler, Melvin N. (See Lundellus, D. F., and Lefler.)
 Le Gore, Roy, Churdan, Iowa. Knife handle. 1,737,636; Dec. 3.
 Lehmann, Emil, assignor of one-half to R. A. Riek, Rhine-lander, Wis. Hood cover. 1,738,438; Dec. 3.
 Leland Electric Company, The. (See Leland, George H., assignor.)
 Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Electric motor. 1,737,595; Dec. 3.
 L'Enfant, Charles, New York, N. Y. Bill fold. 1,737,972; Dec. 3.
 Levy, Charles, Cannes, France. Automatic gun. 1,738,439; Dec. 3.
 Levoff, Evelyn G., Rockaway Park, N. Y. Candy box. Des. 80,035; Dec. 3.
 Lewis, George M., Detroit, Mich. Airplane. 1,737,596; Dec. 3.
 Lewis, Leo L., Plainfield, assignor, by mesne assignments, to Auditorium Ventilating Corporation, Jersey City, N. J. Air diffuser for auditoriums and the like. 1,737,661; Dec. 3.
 Libby, Peter, Waterville, Me. Liquid delivery and pumping apparatus. 1,737,929; Dec. 3.
 Life, Harold G. (See Griffith, F., Birkmeyer, and Life.)
 Lillienfeld, Leon, Vienna, Austria. Improving cotton. 1,738,190; Dec. 3.
 Linde Air Products Company, The. (See Dawson, Joseph R., assignor.)
 Lintern, William, Cleveland, Ohio. Air duct. 1,738,377; Dec. 3.
 Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
 Little, Charles R. (See Elton, M. S., and Barnhart, assignors.)
 Little, Earl W., Indianapolis, Ind. Bird cage. Des. 80,036; Dec. 3.
 Little, Earl W., Indianapolis, Ind. Bird cage. Des. 80,037; Dec. 3.
 Little, John W., Pawtucket, R. I. End label for tubular cloth rolls. 1,738,378; Dec. 3.
 Littler, James H., assignor to S. Cheney & Son, Manlius, N. Y. Machine for grinding valves and analogous objects. 1,738,011; Dec. 3.
 Locke, George A., Glen Cove, L. I., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency changer. 1,738,253; Dec. 3.
 Locke Insulator Corporation. (See Goddard, Walter T., assignor.)
 Loopsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Making quartz tubes. 1,737,662; Dec. 3.
 Loetscher, Emil C., Dubuque, Iowa. Sliding stairway. 1,737,799; Dec. 3.
 Lomax, Clarence E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,737,930; Dec. 3.
 Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,737,597; Dec. 3.
 Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,737,598; Dec. 3.
 Lonaberger, Robert F., and C. F. Sands, Reading, Pa., assignors to L. A. Unger, trustee. Vaporizer. 1,738,478; Dec. 3.
 Lonaberger, Robert F., and C. F. Sands, Reading, Pa., assignors to L. A. Unger, trustee. Liquid-fuel vaporizer. 1,738,497; Dec. 3.
 London, William J. A., Hartford, Conn., assignors to Peabody Engineering Corporation, New York, N. Y. Apparatus for pulverizing material. 1,737,800; Dec. 3.
 Long, Albert R., assignor, by mesne assignments, to The F. R. U. Motors Co., Inc., New York, N. Y. Internal-combustion engine. 1,737,599; Dec. 3.
 Lotter, Adolph G., assignor to H. C. Miller Company, Milwaukee, Wis. Loose-leaf binder. 1,738,305; Dec. 3.
 Lowboy, Dimmitt R., assignor to U. S. E. M. Company, New York, N. Y. Contact-making gauge. 1,737,973; Dec. 3.
 Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,738,379; Dec. 3.

Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Mechanism for controlling the warp-yarn supply on weaving machines. 1,737,600; Dec. 3.
 Lucas-Lamborn Loom Corporation. (See Lucas, Jonathan, assignor.)
 Lucey Manufacturing Corporation. (See Harris, Hu M., assignor.)
 Luftig, Morris, Oak Park, Ill. Belt for personal wear. 1,738,107; Dec. 3.
 Lugin, Frank G., Moose Jaw, Saskatchewan, Canada. Coal pulverizer. 1,737,931; Dec. 3.
 Lukachovic, Joseph C., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Bucket-operating mechanism for concrete distributors. 1,738,012; Dec. 3.
 Lukomski, John B., Detroit, Mich. Core box. 1,738,380; Dec. 3.
 Lund, Carl C. (See Ogden, J. W., Lund, and Wheeler.)
 Lundellus & Eccleston Motors Corporation. (See Lundellus, O. F., and Lefler, assignors.)
 Lundellus, Oscar F., and M. N. Lefler, Los Angeles, Calif., assignors to Lundellus & Eccleston Motors Corporation, Las Vegas Nev. Steering mechanism for spring-supported vehicles. 1,737,856; Dec. 3.
 Lyle, John R., Lebanon, Ky. Variable-line-spacing device. 1,737,801; Dec. 3.
 MacGregor, John, assignor to Cook Laboratories Inc., Chicago, Ill. Hypodermic syringe. 1,737,557; Dec. 3.
 Macleay, Andrew T., Edinburgh, Scotland. Rotary engine, pump, blower, or meter. 1,738,191; Dec. 3.
 MacLellan, Angus D., Owensboro, Ky. Mixing apparatus. 1,738,440; Dec. 3.
 MacLennan, Telford, Hamilton, New Zealand. Furnace. 1,738,254; Dec. 3.
 Macomber, Stanley, Edgefield District, Ohio. Composite wood-metal structural unit. 1,737,601; Dec. 3.
 Maggs, Arthur H., Keynsham, near Bristol, England, assignor to General Electric Company. Dynamo-electric machine. 1,738,441; Dec. 3.
 Maher, Sadie I. (See Whiting, H. A., Hughes, and Maher.)
 Mahler, Johann, assignor to the firm: Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Fuel pump. 1,737,602; Dec. 3.
 Mahoney, Joseph N., Brooklyn, N. Y., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,737,663; Dec. 3.
 Maher, Harvey J., Kalamazoo, Mich., assignor to Remington Rand, Inc., Wilmington, Del. Stopped-sheet binder index. 1,738,306; Dec. 3.
 Maker, John A., Duluth, Minn. Reversible waste receiver. 1,737,603; Dec. 3.
 Maness, Richard M., Ada, Okla. Canopy support for bedsteads. 1,737,664; Dec. 3.
 Manley, Wallace H. T. (See Whippy, G. F., Hooper, and Manley.)
 Mann, Morris, Brooklyn, N. Y. Shoe buckle or similar article. Des. 80,038; Dec. 3.
 Manville, E. J., Machine Company, The. (See Praeny, John E., assignor.)
 Marchthal, Eduard, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Railway-ticket-delivering apparatus. 1,737,932; Dec. 3.
 Marcus, Samuel, Riverdale, and A. Konoff, assignors to Markon Manufacturing Co., Inc., New York, N. Y. Artificial eye. 1,738,192; Dec. 3.
 Marlon Machine, Foundry & Supply Company. (See Cook, William A., assignor.)
 Markel Electric Products, Inc. (See Villaret, Gustave E., assignor.)
 Markon Manufacturing Co. (See Marcus, S., and Konoff, assignors.)
 Martin, Joseph, assignor to United States Cabinet Bed Co., New York, N. Y. Day bed. 1,737,604; Dec. 3.
 Martin, Nelson, Bowling Green, Ky. Illuminated name sign for automobiles. 1,737,858; Dec. 3.
 Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Mahler, Johann, assignor.)
 Matthews, Edward F., Ypsilanti, Mich., assignor to L. B. Evans' Son Company, Shoe. Des. 80,039; Dec. 3.
 Matthews, Joseph P., Mitchellville, Md. Door attachment. 1,738,381; Dec. 3.
 Mauquol, Friedrich, Paterson, N. J. High-pressure hydraulic marine propulsion. 1,738,013; Dec. 3.
 Mauser, Rudolf, Cologne-Marientburg, Germany. Bung for iron transport casks. 1,737,605; Dec. 3.
 Mayer, Frederick L., Milwaukee, Wis. Spokeshave. 1,738,108; Dec. 3.
 Maytag Company, The. (See Snyder, Howard F., assignor.)
 McCabe, Charles J., Brooklyn, and I. Schoenholz, Cedarhurst, assignors to McCabe and Schoenholz, Inc., New York, N. Y. Pocketbook top. Re17,514; Dec. 3.
 McCabe, Ira E., Chicago, Ill. Safety pressure-actuated switch. 1,737,859; Dec. 3.
 McCabe and Schoenholz, Inc. (See McCabe, C. J., and Schoenholz, assignors.)
 McCaddam, Earl D., San Francisco, Calif. Safety discharge valve for motor-operated transporting tanks and means to selectively actuate the valve. 1,737,933; Dec. 3.
 McClaskey, Riley, Idaho Falls, Idaho. Potato digger. 1,738,074; Dec. 3.

McCleary, Henry R., Oak Park, Ill., assignor to Wilson-Jones Company. Loose-leaf-handling device. 1,737,606; Dec. 3.
 McCord, Washington R., Brookfield, Ill. Folding stake or upright for trucks, cars, and the like. 1,738,109; Dec. 3.
 McCullough, Elzadore S., and A. B. Smith, Fairmont, W. Va. Drilling tool and detachable bit. 1,738,382; Dec. 3.
 McDermott, Thomas S., assignor to Clark-Cutler-McDermott Company, Franklin, Mass. Needled felt fabric. 1,737,607; Dec. 3.
 McGill Manufacturing Company. (See Despard, V. R., and Popp, assignors.)
 McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,737,802; Dec. 3.
 McGrew, John A., Albany, N. Y. Rail joint. 1,738,075; Dec. 3.
 McIntosh, Donald H., Salt Lake City, Utah, assignor of one-half to G. L. Oldright. Treatment of ore. 1,737,888; Dec. 3.
 McKee, Ralph H., Jersey City, N. J., and S. P. Burke, New York, N. Y. Making alkyl halides. 1,738,193; Dec. 3.
 McKeehan, Louis W., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic element. 1,738,307; Dec. 3.
 McKesson, Elmer L., Toledo, Ohio. Respirator. Re17,512; Dec. 3.
 McKinley, Oscar L., Demopolis, Ala. Glare shield. 1,737,934; Dec. 3.
 McKnight, Charles C., La Marida, and F. H. Koch, Los Angeles, Calif. Pipe-cutting apparatus and method. 1,737,889; Dec. 3.
 Meader, Clarence H., St. Paul, Minn. Stormproof roller curtain. 1,738,442; Dec. 3.
 Meaux, Robert L., Eunice, La. Cylinder-bore polishing and finishing attachment. 1,738,443; Dec. 3.
 Mehler, Carl J. (See Rigby, Albert V., assignor.)
 Meldrum, Alexander, assignor, by mesne assignments, to H. W. and W. L. Smith, Syracuse, N. Y. Vehicle wheel. 1,737,935; Dec. 3.
 Mercer, Ivan H., assignor of one-tenth to E. L. Pound, Denver, Colo. Grade meter. 1,737,936; Dec. 3.
 Mertz, Charles C., assignor of one-half to A. W. Gill, Baltimore, Md. Control for gunfire. 1,737,937; Dec. 3.
 Messler, Eugene L., Pittsburgh, Pa., assignor to The Gathmann Engineering Company, Baltimore, Md. Shrink-head casing for ingot molds. 1,737,665; Dec. 3.
 Metal Hose & Tubing Co. (See Wallace, Archibald L., assignor.)
 Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Brake apparatus. 1,738,308; Dec. 3.
 Meyer, Francis E., assignor to Theo. Alteneder & Sons, Philadelphia, Pa. Drafting instrument. 1,738,498; Dec. 3.
 Meyer, Frank W., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Wardrobe trunk. 1,738,058; Dec. 3.
 Meyers, James C., assignor to The Gendron Wheel Company, Toledo, Ohio. Child's vehicle. 1,738,110; Dec. 3.
 Milano Furniture Company. (See Heyman, Joseph J., assignor.)
 Mikutut, Ernst, Tilsit, Germany. Auditorium. 1,737,666; Dec. 3.
 Miller, Preston S., Brooklyn, N. Y. Street illumination. 1,738,383; Dec. 3.
 Miller, Benjamin, Baltimore, Md. Photograph case. 1,737,725; Dec. 3.
 Miller, Frederick R., Jersey City, N. J. Cooking apparatus. 1,738,255; Dec. 3.
 Miller, H. C., Company. (See Lotter, Adolph G., assignor.)
 Miller, Harry L., Chester, Pa. Washer. 1,737,938; Dec. 3.
 Miller, Jean A., Blue Island, Ill. Bathtub and similar structure. 1,738,256; Dec. 3.
 Miller, Thomas S., South Orange, N. J. Engine. 1,738,384; Dec. 3.
 Miller, William J., Swissvale, Pa., assignor to Hartford Empire Company, Hartford, Conn. Apparatus for producing mold charges. 1,738,479; Dec. 3.
 Miller, William J., Swissvale, Pa., assignor to Hartford Empire Company, Hartford, Conn. Apparatus for producing mold charges of molten glass. 1,738,499; Dec. 3.
 Milligan, Frank H., Windsor, Vt. Pusher for screw machines. 1,737,667; Dec. 3.
 Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Bow-control device for automatic cellos or the like. 1,738,257; Dec. 3.
 Mills Novelty Company. (See Mills, Bert E., assignor.)
 Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Closure. 1,737,860; Dec. 3.
 Milwat Manufacturing Co., The. (See Fix, Lewis E., assignor.)
 Milwaukee Flush Valve Company, The. (See Judell, J. S., and Bittel, assignors.)
 Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
 Miner, W. H., Inc. (See Fuchs, Henry, assignor.)
 Miner, W. H., Inc. (See O'Connor, John F., assignor.)
 Miner, W. H., Inc. (See Wear, Tandy R., assignor.)
 Moesta, Marvin W., Detroit, Mich., assignor to The Murray Corporation of America. Joining frame members of vehicle bodies. 1,737,861; Dec. 3.
 Molins, Walter E., Deptford, London, England. Machine for cutting a moving web into strips. 1,738,076; Dec. 3.

Moller, Wilhelm, Upper Darby, assignor to Front Wheel Control, Inc., Philadelphia, Pa. Antishimmying device. 1,738,147; Dec. 3.

Monitor Controller Company. (See Whittingham, George H., assignor.)

Moody, Ernest L., Wichita Falls, Tex. Safety device for submersibles. 1,738,385; Dec. 3.

Moore, Frederick T. (See Pfeiffer, C. and Moore.)

Moore, Frederick T., East Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Barrel mounting for firearms. 1,738,500; Dec. 3.

Moore, Frederick T., East Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Gas-operated automatic firearm. 1,738,501; Dec. 3.

Moore, Lawrence G., Washington, D. C., and F. D. Pelot, Norfolk, Va., assignors to Hotel Folder Distributing Corporation, Washington, D. C. Advertising rack. 1,737,939; Dec. 3.

Morhouse, Eugene. (See Ballou, F. A., jr., and Morhouse.)

Morhouse, Lyman F., Montclair, N. J., and E. F. Watson, Larchmont, N. Y., assignors to American Telephone and Telegraph Company. Signaling system. 1,737,668; Dec. 3.

Morgan, Annette S., executrix. (See Morgan, William H., sr.)

Morgan Hurrey Company. (See Morgan, William H., sr., assignor.)

Morgan, William H., sr., deceased, by A. S. Morgan, executrix, Alliance, Ohio, assignor to Morgan Hurrey Company, New York, N. Y. Apparatus for disintegrating sugar cane. Re17,513; Dec. 3.

Morrill, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Vapor fractionation. 1,738,386; Dec. 3.

Morris, Herbert C. (See Harper, William, assignor.)

Morris, Howard L., Lakewood, assignor to The Yoder Pencil Company, Cleveland, Ohio. Writing device. 1,737,862; Dec. 3.

Morris, Robert B., Newark, and H. Peterson, South Orange, N. J. Condenser. 1,738,194; Dec. 3.

Morrison Brushes, Inc. (See Vaughan, Anne B., assignor.)

Morton, Frank M., Phenix City, Ala., assignor of two-thirds to S. W. Jackson and W. P. Sayers, Muscogee County, Ga. Raw-stock-dyeing apparatus. 1,737,940; Dec. 3.

Mosine Paper Mills Company. (See Kernin, Alfred G., assignor.)

Motorenfabrik Deutz Aktiengesellschaft. (See Gaupp, Rudolf, assignor.)

Mowry, Adelbert F., Worcester, Mass. Fabric-clamping clip. 1,738,111; Dec. 3.

Mueller, C. (See Reedy, Emmett M., assignor.)

Müller, Fritz. (See Rothlin, E., and Müller.)

Muris, Franz. (See Zitscher, A., and Muris.)

Murphy, Edward A. (See Twiss, D. F., and Murphy.)

Murray Corporation of America, The. (See Moesta, Marvin W., assignor.)

Murray, John F., et al., executors. (See Murray, Thomas E.)

Murray, Joseph B., et al., executors. (See Murray, Thomas E.)

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, Jr., and J. F. Murray, executors. Gate valve. 1,738,014; Dec. 3.

Murray, Thomas E., Jr., et al., executors. (See Murray, Thomas E.)

Mutual Sunset-Lamp Mfg. Co. Inc. (See Collins, Frank, assignor.)

Muzzy, Clements, Gary, Ind. Engine timing gauge. 1,737,726; Dec. 3.

Myatt, Jules. (See Campbell, F. N., and Myatt.)

Myers, Thomas B., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Motor-driven beater. 1,738,112; Dec. 3.

Mykleski, Walter. (See Sokol, John, assignor.)

Ness, Hallvard, Oslo, Norway. Centrifugal separator. 1,738,258; Dec. 3.

Nagam, William E., Lake Charles, La. Automatic circuit closer for electric signal lights and signs. 1,738,444; Dec. 3.

National Cash Register Company, The. (See Arnold, Charles H., assignor.)

Nelson, Jessie M., New York, N. Y. Toy bank. Des. 80,040; Dec. 3.

Nelson, Robert A., assignor to The Standard Envelope Manufacturing Company, Cleveland, Ohio. Window attachment for envelope-folding machines. 1,737,608; Dec. 3.

Nelson, William, Minneapolis, Minn. Pump. 1,738,309; Dec. 3.

Nessler, Charles, Palisades, N. Y. Combined filament stretching and timing article. Des. 80,041; Dec. 3.

New England Mica Co. (See Cooper, Henry W., assignor.)

New England Wood Heel Co. (See Taylor, Archie R., assignor.)

Newlander, Alfred, Milwaukee, Wis., assignor, by mesne assignments, to E. J. Brach & Sons, Chicago, Ill. Display device. 1,738,259; Dec. 3.

Newman, Charles N. (See Caminetti, Anthony, Jr., assignor.)

Newman, I., & Sons, Inc. (See Klispert, Joseph J., assignor.)

Newmann, Herman, Brooklyn, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method for use in the manufacture of turned shoes. 1,737,727; Dec. 3.

News Projection Corporation. (See Proctor, Barton A., assignor.)

Newton, Frank E. (See Crosby, R. S., and Newton.)

Nickolas, Irene N. (See Theoharis, T., and Fotakis, assignors.)

Nielsen, Claudius, Detroit, Mich. Mixing machine. 1,737,609; Dec. 3.

Niessen, Hubert W. (See Niessen, John H. and H. W.)

Niessen, John H. and H. W. Fair Oaks, Calif. Double-acting catch. 1,738,387; Dec. 3.

Niles Machine Company. (See Delmanhorst, Herman F., assignor.)

Nitralloy Corporation, The. (See Fry, Adolf, assignor.)

Noftzger, Charles F. (See Eiten, Nicholas L., assignor.)

Nolch, Franz X., and E. Schmidt, Burghausen in Oberbayern, assignors to Dr. Alexander Wacker Gesellschaft für Electrochemische Industrie, Munich, Bavaria, Germany. Apparatus and method of controlling electrodes in electric furnaces. 1,737,890; Dec. 3.

Noonan, John J., St. Louis, Mo. Hill-producing apparatus for meters. 1,737,863; Dec. 3.

Norin, Carl E. (See Kuroski, A. G. F., and Norin.)

North, Clayton O., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Higher-aldehyde derivative of reaction products of aldehydes and amines and making same. Re17,511; Dec. 3.

Norther, John P., Toronto, Ontario, Canada. Rail joint. 1,737,669; Dec. 3.

Northwestern Term Cotta Company, The. (See Hottinger, Adolf F., assignor.)

Norton Company. (See Wood, Wallace H., assignor.)

Norton, Harold F., Newport News, Va. Wind scoop. 1,737,610; Dec. 3.

Novotny, Emil E., Philadelphia, and C. J. Romieux, West Philadelphia, assignors to J. S. Stokes, Huntingdon Valley P. O., Pa. Synthetic resin and making same. 1,738,310; Dec. 3.

Nunnery, Norman E., Headland, Ala. Harvesting machine. 1,738,388; Dec. 3.

Nusser, Otto, Newark, N. J. Clothespin holder. 1,738,260; Dec. 3.

O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,737,611; Dec. 3.

O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Brake. 1,737,612; Dec. 3.

O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Inc. Shock absorber for vehicles. 1,737,613; Dec. 3.

O'Connor, Vincent P., Oakland, Calif. Hose connection. 1,737,941; Dec. 3.

Oehmichen, Etienne, Valentigney, France. Photographic apparatus adapted for view-taking enlargements and screen projection. 1,738,445; Dec. 3.

Oetjen, Howard H., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Electric switch. 1,737,767; Dec. 3.

Ogden, Clarence E., Cincinnati, Ohio, assignor to The Kodel Radio Corporation. Rectifier for alternating current. 1,738,113; Dec. 3.

Ogden, Jacob W., C. C. Lund, and W. H. Wheeler, Jr., assignors to Pitney-Bowes Postage Meter Company, Stamford, Conn. Mailing machine. 1,737,670; Dec. 3.

Ohio Brass Company, The. (See Austin, Arthur O., assignor.)

Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Multichannel radio printing-telegraph system. 1,737,671; Dec. 3.

Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Radio printing-telegraph system. 1,737,672; Dec. 3.

Ohler, Frank L. (See Thurston, E. B., and Ohler.)

Oishei, John R., and H. Huber, assignor to Trico Products Corporation, Buffalo, N. Y. Automatic windshield cleaner. 1,738,311; Dec. 3.

O'Keefe, George W., Dorchester, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Thermal cut-out. 1,737,673; Dec. 3.

O'Keefe, George W., Dorchester, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Thermal cut-out. 1,737,674; Dec. 3.

Old Colony Trust Company, trustee. (See Cheney, Thorn-like F., assignor.)

Old Dominion Iron and Steel Works. (See Wheelwright, Thomas S., assignor.)

O'Drigh, George L. (See McIntosh, Donald H., assignor.)

Oliphant, Henry G., Houston, Tex., assignor of one-third to P. E. Putman. Channel knife. 1,738,019; Dec. 3.

Oliver, Annie M. C., Ranger, Tex. Combined toothbrush and dental floss holder. 1,738,389; Dec. 3.

Olson Brothers Saw Manufacturing Company. (See Anderson, Emil, assignor.)

Olson, Carl A., assignor to Clarinda Manufacturing Company, Clarinda, Iowa. Lawn mower. 1,738,480; Dec. 3.

Olson, Frederick, Chicago, Ill. Filter bag. 1,738,114; Dec. 3.

Oplitz, Bernhard O., assignor of one-third to F. J. Sterne and one-third to J. Dunne, Portland, Ore. Device for making shoe-string potatoes. 1,738,148; Dec. 3.

Orcutt, C. Blake. (See Trinks, William W., assignor.)

Ornstein, Jacques, Hamilton Beach, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,738,195; Dec. 3.

Orr, James C., Winnipeg, Manitoba, assignor to William Seattle, Wash. Inserted saw tooth. 1,738,149; Dec. 3.

Orr, James C., Winnipeg, Manitoba, assignor to William J. Christie, Winnipeg, Canada. Damper construction. 1,738,196; Dec. 3.

Orr Saw Tooth Grinder Co. (See Orr, Elijah C., assignor.)

Oshkosh Trunk Company, The. (See Meyer, Frank W., assignor.)

Osmond, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Thermionic tube. 1,738,900; Dec. 3.

Oswald, Gösta, Stockholm, Sweden, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Dust disinfectant. 1,738,197; Dec. 3.

Otis, Albert N., and G. W. Hegel, Schenectady, N. Y., assignors to General Electric Company. Electric furnace. 1,738,446; Dec. 3.

Ott, Fred W., New Haven, Conn. Power mechanism. 1,737,768; Dec. 3.

Pacific Flush-Tank Company. (See Downes, John R., assignor.)

Packer, Eben R. (See Laughlin E. A., and Packer.)

Pagel, Rotary Pump Manufacturing Company. (See Pagel, Theodore J., assignor.)

Pagel, Theodore J., assignor to Pagel Rotary Pump Manufacturing Company, Minneapolis, Minn. Rotary fluid pump or motor. 1,737,942; Dec. 3.

Palisseau, Jenn, Paris, France. Manufacture of substances having a decorative effect. 1,737,943; Dec. 3.

Palmquist, Andrew, Spokane, Wash., assignor of one-half to E. J. Palmquist, Helena, Mont. Adjustable pot lifter. 1,737,769; Dec. 3.

Palmquist, Ernest J. (See Palmquist, Andrew, assignor.)

Parish, Richard L., Chicago, Ill. Container having bung. 1,737,675; Dec. 3.

Parish, Richard L., assignor to American Flange & Manufacturing Co., Chicago, Ill. Container having bung. 1,737,676; Dec. 3.

Parker, Hazel V. (See Altman, C., and Parker.)

Parkins, George L., Columbus, Ohio. Window fastener. 1,737,891; Dec. 3.

Parsons, Clinton H., assignor to Swift & Company, Chicago, Ill. Food product and making the same. 1,737,770; Dec. 3.

Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Ball-bearing hinge. 1,738,015; Dec. 3.

Passley, Robert E., assignor to Hoker-Poker Company, Aberdeen, Wash. Game board. Des. 80,068; Dec. 3.

Pass & Seymour, Inc. (See Thompson, Don N., assignor.)

Patino Mines & Enterprises Consolidated Inc. (See Handy, Royal S., assignor.)

Patino Mines & Enterprises Consolidated Inc. (See Handy, R. S., and Beard, assignors.)

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side-slipping-weft detector. 1,738,198; Dec. 3.

Peabody Engineering Corporation. (See Dyer, Horace T., assignor.)

Peabody Engineering Corporation. (See London, William J. A., assignor.)

Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)

Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Fuel burner. 1,738,199; Dec. 3.

Peaslee, Samuel D., Chagrin Falls, Ohio. Miter box. 1,738,200; Dec. 3.

Pearlman, Israel P., Providence, R. I. Store front. Des. 80,042; Dec. 3.

Peck, Frank G., New Haven, Conn. Lifting tongs. 1,737,614; Dec. 3.

Pehrson, John D., Springfield, Mass. Magazine rifle. 1,737,974; Dec. 3.

Pehrson, Alfred K., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Marker light for railway cars. 1,738,016; Dec. 3.

Pelot, Frank D. (See Moore, L. G., and Pelot.)

Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Close-range device. 1,738,481; Dec. 3.

Penn Electric Switch Co. (See Penn, Albert, assignor.)

Pennock, Theodore E., assignor to Standard Automatic Machine Company, Rochester, N. Y. Vacuum filling machine. 1,737,677; Dec. 3.

Pennsoll Company, The. (See Suhr, C. L., and Zebrung, assignors.)

Pen-O-Pencil Co. (See Kahn, Max, assignor.)

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,043; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,044; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,045; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,046; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,047; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,048; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,049; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,050; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,051; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,052; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,053; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,054; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,055; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,056; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,057; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,058; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,059; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,060; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,061; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,062; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,063; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,064; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,065; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,066; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,067; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,068; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,069; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,070; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,071; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,072; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,073; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,074; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,075; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,076; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,077; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,078; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,079; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,080; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,081; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,082; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,083; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,084; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,085; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,086; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,087; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,088; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,089; Dec. 3.

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Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,091; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,092; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,093; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,094; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,095; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,096; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,097; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,098; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,099; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,100; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,101; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,102; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,103; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,104; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,105; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,106; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,107; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,108; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,109; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,110; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,111; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,112; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,113; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,114; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,115; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,116; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,117; Dec. 3.

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Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,120; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,121; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,122; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,123; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,124; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,125; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,126; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,127; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,128; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,129; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,130; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,131; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,132; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,133; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,134; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,135; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,136; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,137; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,138; Dec. 3.

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Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,141; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,142; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,143; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,144; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,145; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,146; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,147; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,148; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,149; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,150; Dec. 3.

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Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,165; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,166; Dec. 3.

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Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,168; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,169; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,170; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,171; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,172; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,173; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,174; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,175; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,176; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,177; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,178; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,179; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,180; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,181; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,182; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,183; Dec. 3.

Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 80,

Prussen, John A., Denver, Colo. Nut lock. 1,738,482; Dec. 3.
 Pungs, Wilhelm, Ludwigshafen-on-the-Rhine and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Treatment of Montan wax. 1,737,975; Dec. 3.
 Purvis, Harold, assignor to Curtis Companies, Inc., Clinton, Iowa. Window-frame construction. 1,738,203; Dec. 3.
 Putman, P. E. (See Oliphant, Henry G., assignor.)
 Putt, Harle O. (See Bucklen, H. E. and Putt.)
 Pyle-National Company. (See Duke, Charles W., assignor.)
 Pyle-National Company. (See Wille, William A., assignor.)
 Q. & C. Company. (See Laughlin, E. A., and Packer, assignors.)
 Qualls, John W. (See Truitt, R. G., Tate, and Qualls.)
 Qualman, George J., Toledo, Ohio. Fishing reel. 1,738,204; Dec. 3.
 Quartz, James, Newton, assignor to F. S. Webster Company, Boston, Mass. Carbon blinder. 1,738,153; Dec. 3.
 Quartz, James, Newton, assignor to F. S. Webster Company, Boston, Mass. Carbon blinder. 1,738,154; Dec. 3.
 Quist, Irving E., Warren, Minn. Cable guard. 1,738,447; Dec. 3.
 Racine Dispenser Manufacturing Company. (See Hanson, Sigvort, assignor.)
 Radio Corporation of America. (See Ranger, Richard H., assignor.)
 Radio Corporation of America. (See Trump, Edward H., assignor.)
 Radio Corporation of America. (See Weinberger, Julius, assignor.)
 Raffaelli, Viola, New York, N. Y. Lamp. Des. 80,050; Dec. 3.
 Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Photo-amplifying system. 1,738,315; Dec. 3.
 Ranger, Richard H., Brooklyn, N. Y., assignor to Radio Corporation of America. Interference reducing means for radio-receiving apparatus. 1,738,392; Dec. 3.
 Ransome Concrete Machinery Company. (See Lukachovic, Joseph C., assignor.)
 Raymond, Gwynne, assignor to Black, Sivals & Bryson Manufacturing Company, Kansas City, Mo. Tank construction. 1,738,483; Dec. 3.
 Readman, Hardie, Earlston, Scotland. Artificial minnow for fishing. 1,737,683; Dec. 3.
 Reagan, Clifford W., Champaign, Ill. Metal feeder. 1,737,865; Dec. 3.
 Rebel, Leopold M., Paris, France, assignor to Isabey-Paris, Inc., New York, N. Y. Box. Des. 80,051; Dec. 3.
 Reber, James B., assignor to Columbian Rope Company, Auburn, N. Y. Rope marker. 1,738,316; Dec. 3.
 Rece, Frank S., Dallas, Tex. Knockdown crib. 1,738,317; Dec. 3.
 Recker, Clarence B., Berkeley, Calif. Reclining chair. 1,738,115; Dec. 3.
 Reed, Clarence E., Wichita, Kans. Well-casing elevator. 1,737,893; Dec. 3.
 Reedy, Emmett M., assignor to Mueller Co., Decatur, Ill. Waste-valve device for bathtubs, etc. 1,737,804; Dec. 3.
 Reeves Manufacturing Company, The. (See Curtis, Rowland J., assignor.)
 Reiber, Albert H., assignor to Teletype Corporation, Chicago, Ill. Tape moistener. 1,737,805; Dec. 3.
 Reidenbaugh, John, Marion, Ohio. Vehicle jack. 1,738,205; Dec. 3.
 Reidhaar, Frank P., assignor to Hercules Products, Inc., Evansville, Ind. Fastening device. 1,737,730; Dec. 3.
 Reliance Company, The. (See Wilms, Gustav O., assignor.)
 Reliance Manufacturing Company. (See Champion, John W., assignor.)
 Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
 Remington Rand, Inc. (See Mahrer, Harvey J., assignor.)
 Remington Rand, Inc. (See Taber, Ralph F., assignor.)
 Reserve Holding Company. (See Crocker, Thomas F., assignor.)
 Reserve Holding Company. (See Loma, Clarence E., assignor.)
 Reserve Holding Company. (See Sengbusch, Hans, assignor.)
 Respass, Roland B., Wickford, R. I. Fan diffuser. 1,738,075; Dec. 3.
 Rex, Walter H., and F. P. Woodward, Tallahassee, Fla.; said Rex assignor of ten per cent to C. Foster, Atlanta, Ga. Combined rail joint and lock nut. 1,738,116; Dec. 3.
 Reynolds Bleacher Company. (See Reynolds, Earl H., assignor.)
 Reynolds, Charles R., La Habra, Calif. Jet-nozzle apparatus. 1,737,684; Dec. 3.
 Reynolds, Earl H., assignor to Reynolds Bleacher Company, Chicago, Ill. Purifying food products. 1,738,318; Dec. 3.
 Reynolds, Edward P., Anaheim, Calif. Method of flowing oil. 1,737,894; Dec. 3.
 Rice, John V., Jr., Bordentown, N. J., assignor, by mesne assignments, to R. C. Schwoerer, Philadelphia, Pa. Internal-combustion engine. 1,737,976; Dec. 3.
 Richards, Willard F., Depew, assignor to The Gould Compler Company, New York, N. Y. Draft rigging. 1,738,020; Dec. 3.
 Riddles, Leo M., Johnstown, Pa. Automatic control for electric-light circuits. 1,738,206; Dec. 3.
 Riek, Rudolph A. (See Lehmann, Emil, assignor.)
 Rieby, Albert V., assignor of one-half to C. J. Mehler, Sharon, Pa. Liquid-fuel-burner nozzle. 1,737,945; Dec. 3.
 Riggs, Roy, Bedford, Ind. Electric hammer. 1,738,207; Dec. 3.
 Rising, Walter H., Painted Post, assignor to Corning Glass Works, Corning, N. Y. Heat-absorbing borosilicate glass and making the same. 1,737,685; Dec. 3.
 Rising, Walter H., Painted Post, assignor to Corning Glass Works, Corning, N. Y. Producing heat-absorbing glasses and batches therefor. 1,737,686; Dec. 3.
 Rleser, Ross E., assignor to Southwest Pump Company, Bonham, Tex. Display device. 1,738,264; Dec. 3.
 Ritter, George, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Roof covering. 1,737,977; Dec. 3.
 Rivkin, Menahem, Philadelphia, Pa. Integral wheel and axle. 1,738,393; Dec. 3.
 Robert, Florence H. (See Robert, Fred T., assignor.)
 Robert, Fred T., assignor of one-half to F. H. Robert, New York, N. Y. Liquid-dispensing machine. 1,738,319; Dec. 3.
 Roberts, William C., assignor to Zinke-Roberts Co., Chicago, Ill. Display unit and support. 1,738,208; Dec. 3.
 Robinson, Joseph, New York city, N. Y. Automatic train-pipe coupling. 1,737,687; Dec. 3.
 Robinson, Joseph, New York, N. Y. Automatic train-pipe connector. 1,738,484; Dec. 3.
 Rodgers, Edward B., New York, N. Y., assignor to O. M. Perkins, Fluid-pressure-control mechanism for oil-burning apparatus. 1,738,118; Dec. 3.
 Roe, Hamilton L., Pittsburgh, Pa. Method of and apparatus for the practice of agriculture. 1,737,866; Dec. 3.
 Roedel, Ludwig, Mannheim, Germany. Nonmagnetic-core reluctance coil. 1,738,117; Dec. 3.
 Rogovin, Moses, assignor to Rogstone Chemical Research Inc., New York, N. Y. Deodorizing animal and vegetable oils. 1,737,781; Dec. 3.
 Rogstone Chemical Research Inc. (See Rogovin, Moses, assignor.)
 Rollins, James A., Denison, Iowa. Animal trap. 1,738,448; Dec. 3.
 Romieux, Charles J. (See Novotny, E. E., and Romieux.)
 Rood, Clarence J., Fergus Falls, Minn. Shutter mechanism for automobile radiators. 1,737,946; Dec. 3.
 Rose, Alfred G., assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Machine for wrapping caramels and like articles. 1,738,079; Dec. 3.
 Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
 Rothenberger, Daniel M., Leesport, Pa. Rotary engine. 1,738,320; Dec. 3.
 Rothlin, Ernst, and F. Miller, assignors to the firm Chemical Works, formerly Sandoz, Basel, Switzerland. Acridine derivative for therapeutical purposes. 1,738,449; Dec. 3.
 Rothman, Arthur G., and C. H. Carter, Hammond, Ind., assignors of one-third to A. Van Proyen, Chicago, Ill. Food-dispensing table. 1,737,806; Dec. 3.
 Rowe, Andrew R., Midland, Pa. Hot-top-holding clip. 1,738,209; Dec. 3.
 Royal Railway Improvements Corporation. (See Sauvage, William H., assignor.)
 Rubber Service Laboratories Company, The. (See North, Clayton O., assignor.)
 Rudge, William J., Jr. (See Wade, E. J., and Rudge.)
 Ruggles-Klingemann Mfg. Company. (See Kimball, James L., assignor.)
 Rukensbrod, Cornelius J., Princeton, assignor to The Electric Porcelain and Manufacturing Company, Trenton, N. J. Testing the flux of materials under heat. 1,738,321; Dec. 3.
 Rupp, Guy A. (See Snelling, W. O., and Rupp.)
 Ryan, Edward F., Binghamton, and E. T. Adams, Johnson City, N. Y., assignors to The Fairbanks Company, New York, N. Y. Valve. 1,738,450; Dec. 3.
 Rynearson, Winfield S., Elmonds, Wash. Collapsible camp bed. 1,737,947; Dec. 3.
 Ryan, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving terry fabric. 1,737,688; Dec. 3.
 Saatzman, Walter A., Roslyn, Pa. Turret-box machine. 1,737,615; Dec. 3.
 Saatzman, Walter A., Roslyn, Pa. Picker holder. 1,737,616; Dec. 3.
 Sachsenmaier, Ervin S., Philadelphia, assignor to Dunning Compressor Co., Philadelphia, Pa. Spray gun. 1,737,895; Dec. 3.
 Sague, George, Mfg. Corp. (See Sague, George, assignor.)
 Sague, George, Oakes, N. Y., assignor to George Sague Mfg. Corp. Inserting machine. 1,738,119; Dec. 3.
 St. Regis Paper Company. (See Krass, Albert, assignor.)
 Salinger, Morris, assignor of one-half to E. D. Stein, New York, N. Y. Clock hand or similar article. Des. 80,052; Dec. 3.
 Salz, Ignatz, New York, N. Y. Desk fountain-pen holder. 1,737,948; Dec. 3.

Sands, Charles F. (See Lonaberger, R. F., and Sands.)
 Sands Manufacturing Company, The. (See Hamilton, Paul H., assignor.)
 Sanitary Products Corporation of America. (See Fine, Bernard M., assignor.)
 Saportit, John P., Barre, Vt. Polishing apparatus. 1,738,394; Dec. 3.
 Sargent, Frederick G., Westford, Mass. Device for increasing buoyancy. 1,738,210; Dec. 3.
 Sauvage, Herbert J., Chicago, Ill. Heater. 1,737,732; Dec. 3.
 Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Air-brake system. 1,738,395; Dec. 3.
 Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Foundation brake rigging. 1,738,485; Dec. 3.
 Sayers, W. P., et al. (See Motron, Frank M., assignor.)
 Scanlan, Dennis R., New York, N. Y. Game. 1,738,265; Dec. 3.
 Schant, William L., Mount Vernon, N. Y. Suppository. 1,737,949; Dec. 3.
 Schaffert, Adolf H., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. File folder. 1,738,120; Dec. 3.
 Schaub, James B., Wilmette, assignor to T. W. Snow Construction Co., Chicago, Ill. Material-moving apparatus. 1,738,211; Dec. 3.
 Schelleng, John C., Millburn, assignor to Western Electric Company, Incorporated, New York, N. Y. Rectifier system. 1,738,266; Dec. 3.
 Scherotto, John J., Union City, N. J., assignor to Snyder & Black, Incorporated, New York, N. Y. Display device. 1,737,733; Dec. 3.
 Schleferstein, Georg H., Berlin-Charlottenburg, Germany. Oscillating system. 1,737,772; Dec. 3.
 Schiff, Henry T., Chicago, Ill. Lighter for cigars, cigarettes, and the like. Des. 80,053; Dec. 3.
 Schlenker, Vesper A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,738,322; Dec. 3.
 Schlesinger, Louis, and H. E. Helne, assignors to Bradley Washfountain Company, Milwaukee, Wis. Combination valve and swing spout. 1,737,734; Dec. 3.
 Schlichter, Oscar, assignor to Krauth & Beuninghofen, Hamilton, Ohio, a firm. Paper feed for typewriters. 1,738,024; Dec. 3.
 Schmalz, William F. (See Conner, R. F., and Schmalz.)
 Schmidt, Albert F. L., Webster Groves, Mo. Culinary measuring receptacle. 1,737,735; Dec. 3.
 Schmidt, Ernst. (See Nolch, F. X., and Schmidt.)
 Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,737,736; Dec. 3.
 Schnell, William, assignor to Terastadt Manufacturing Company, Detroit, Mich. Combined smoking and vanity case for an automotive vehicle. Des. 80,054; Dec. 3.
 Schoenholz, Irving. (See McCabe, C. J., and Schoenholz.)
 Schofield, Charles, Philadelphia, Pa. Willow. 1,738,396; Dec. 3.
 Schoman, George E., New York, N. Y. Shirt. 1,737,617; Dec. 3.
 Schramm, Henry N., West Chester, Pa. Engine compressor. 1,738,121; Dec. 3.
 Schraeger, Karl, Erlangen, near Nuremberg, Germany, assignor to M. E. Berhardt Company, Inc., New York, N. Y. Lighter. 1,738,451; Dec. 3.
 Schriever, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulating carrier wave by photo electric currents. 1,738,397; Dec. 3.
 Schrott, Kasimir, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Lead-cable press. 1,737,773; Dec. 3.
 Schwoerer, Richard C. (See Rice, John V., Jr., assignor.)
 Scotland, Bayard S., Joliet, Ill. Carton. 1,737,950; Dec. 3.
 Scott, Carl F., East Orange, N. J., assignor to General Electric Company. System and apparatus for testing prime movers. 1,738,452; Dec. 3.
 Scott, David J., assignor to I. Scott and D. J. Scott, executors of the estate of Walter Scott, deceased, doing business as Walter Scott & Company, Plainfield, N. J. Multicolor printing press. 1,738,323; Dec. 3.
 Scott, David J., assignor to I. Scott and D. J. Scott, executors of the estate of Walter Scott, deceased, doing business as Walter Scott & Company, Plainfield, N. J. Multicolor printing press. 1,738,324; Dec. 3.
 Scott, David J., et al., executors. (See Scott, David J., assignor.)
 Scott, Ernest, Philadelphia, Pa. Garden chair. Des. 80,055; Dec. 3.
 Scott, Isabella, et al., executors. (See Scott, David J., assignor.)
 Scott, Walter, & Company. (See Scott, David J.)
 Seames, George F. (See Webb, H. E., and Seames.)
 Sears, Roebuck and Co. (See Bohmker, John C., assignor.)
 Sebek, Albert, Cicero, assignor to Krone-Sebek Die Casting & Mfg. Co., Chicago, Ill. Automobile radiator cap. Des. 80,056; Dec. 3.
 Sebell, Harry, Boston, Mass. Telephone-cord take-up. 1,727,978; Dec. 3.
 Seegar, Edwin W., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor controller. 1,738,155; Dec. 3.
 Seiberling Rubber Company. (See Goodwin, John O., assignor.)
 Seiberling Rubber Company. (See Pfeiffer, F. B., and White, assignors.)
 Selectograph Company. (See Gollnick, P. A., Ives, Broderick, and Arey, assignors.)
 Self Locking Schurmann Company. (See Burger, Martin, assignor.)
 Sengelbusch, Hans, Villa Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Switch mechanism. 1,737,807; Dec. 3.
 Servel, Inc. (See Collins, William D., assignor.)
 Seth, Ferdinand, assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Presenting composite designs. 1,738,398; Dec. 3.
 Shafer, John J. (See Collings, W. R., and Shafer.)
 Shannon, James L., assignor to Blake Manufacturing Co., Springfield, Mass. Flash light. 1,738,122; Dec. 3.
 Shelburne, Augustine, So. Pasadena, Calif. Air-brush nozzle. 1,737,896; Dec. 3.
 Sheldon, George E., Phillipsburg, Pa. Composing-stick attachment. 1,738,325; Dec. 3.
 Sheller, John C., Maywood, assignor to W. B. Hntze, Chicago, Ill. Attachment for vehicle wheels. 1,738,453; Dec. 3.
 Sherer, Ralph, Mesa, Ariz., assignor of one-half to C. R. Jones, Phoenix, Ariz. Apparatus for separating materials of varying degrees of conductivity. 1,738,309; Dec. 3.
 Sherwood, Agnes, Massillon, Ohio. Alarm signal. 1,737,774; Dec. 3.
 Shipley, Marion R., Manhattan Beach, Calif. Stovepipe casing. 1,738,021; Dec. 3.
 Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company, Inc. Doorcheck. 1,738,123; Dec. 3.
 Short, Frank A., Hillside, N. J. Eyeglass construction. 1,737,979; Dec. 3.
 Short, Frank A., Hillside, N. J. Eyeglass construction. 1,737,980; Dec. 3.
 Shuko, Stephen, Boston, Mass. Floral-pillow support. 1,738,454; Dec. 3.
 Siebert, O. W. Company. (See Siebert, Otto W., assignor.)
 Siebert, Otto W., assignor to O. W. Siebert Company, Gardner, Mass. Child's vehicle. 1,737,618; Dec. 3.
 Siemens & Halske, Aktiengesellschaft. (See Marchthal, Eduard, assignor.)
 Siemens & Halske Aktiengesellschaft. (See Marchthal, Michele, assignor.)
 Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Gelsen, Hans, assignor.)
 Signal Gesellschaft mit beschränkter Haftung. (See Hecht, Heinrich, assignor.)
 Silcox Company, The. (See Boever, Anne M., assignor.)
 Silverstein, Boris, Brooklyn, N. Y. Welting or gimp. 1,738,400; Dec. 3.
 Simler, Oscar J., Sebring, Ohio. Interlocking and tripping switch for automobile signals. 1,738,401; Dec. 3.
 Simmons Company. (See Gall, John F., assignor.)
 Sinclair Refining Company. (See Black, Robert J., assignor.)
 Sisson, Strawther, Hazel, Ky. Aeroplane. 1,737,951; Dec. 3.
 Skoglund, Joseph A., St. Paul, Minn. Foot brace. 1,737,897; Dec. 3.
 Sky Specialties Corporation. (See Heywood, Charles F., assignor.)
 Slyter, George W., Tacoma, Wash. Davenport bed. 1,738,156; Dec. 3.
 Smith, Annisley D., assignor to Cameo Record Corporation, New York, N. Y. Forming disk phonograph records. 1,737,619; Dec. 3.
 Smith, Arthur E., Los Angeles, Calif. Closure for collapsible tubes. 1,738,080; Dec. 3.
 Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Steam condenser. 1,738,455; Dec. 3.
 Smith, Asa B. (See McCullough, E. S., and Smith.)
 Smith, Charles F., assignor to Landers, Frary & Clark, New Britain, Conn. Drain for washing machines. 1,737,981; Dec. 3.
 Smith, George S., Pittsburgh, Pa. assignor to Pittsburgh Screw and Bolt Corporation. Nut machine. 1,738,124; Dec. 3.
 Smith, Horatio W., Los Angeles, assignor, by mesne assignments, to Eight-Wheel Motor Vehicle Company, San Francisco, Calif. Automatic driving clutch. 1,738,212; Dec. 3.
 Smith, Hurlburt W., et al. (See Meldrum Alexander, assignor.)
 Smith, Lee T., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Reclaiming rubber from scrap. 1,737,775; Dec. 3.
 Smith, Leonard S., Jr. (See Smith, Leonard S., assignor.)
 Smith, Leonard S., deceased, assignor of one-half to L. S. Smith, Jr., Cincinnati, Ohio; L. S. Smith, Jr., executor. Laundering apparatus. 1,738,326; Dec. 3.
 Smith, Ray P., esq. (See Wellington, James A., assignor.)

Smith, Stanley C., London, assignor to one-half to Chemical & Metallurgical Corporation Limited, London, Wall, England. Convention of lead sulphate and lead chloride into lead carbonate. 1,738,081; Dec. 3.

Smith, Wilbert L., et al. (See Meldrum, Alexander, assignor.)

Smiley, L. P., et al. (See Smiley, Marvin, assignor.)

Smiley, Marvin, Lawrenceville, Va., assignor to L. P. Smiley and N. C. Smiley, Roanoke, Va. Meter. 1,737,808; Dec. 3.

Smiley, Nellie C., et al. (See Smiley, Marvin, assignor.)

Smits, Wytze B., Kassel-Wilhelmshöhe, Germany. Resistance element. 1,738,456; Dec. 3.

Smythe, Edwin H., Evanston, Ill., and C. E. Lane, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration device. 1,738,327; Dec. 3.

Snelling, Walter O., and G. A. Rupp, Allentown, Pa., assignors to Trojan Powder Company, New York, N. Y. Explosive cartridge. 1,738,402; Dec. 3.

Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Co., Chicago, Ill. Storage tank. 1,738,213; Dec. 3.

Snow, T. W., Construction Co. (See Schaub, James B., assignor.)

Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)

Snowdy, Sergeant, North Bay, Ontario, Canada. Kitchen utensil. 1,737,898; Dec. 3.

Snyder & Black, Incorporated. (See Scherotto, John J., assignor.)

Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Washing machine. 1,738,457; Dec. 3.

Società Italiana Pirelli. (See Emannelli, Luigi, assignor.)

Société d'Etudes Minières et Industrielles. (See Urfer, Charles, assignor.)

Sokol, John, assignor of forty-five per cent to W. Mykleski, Muskegon, Mich. Bureau. Des. 80,069; Dec. 3.

Sommer, William H., Peoria, Ill. Article of manufacture. 1,737,867; Dec. 3.

Sorce, Pietro, Rochester, N. Y. Bumper mechanism for motor vehicles. 1,738,458; Dec. 3.

Southwest Pump Company. (See Risser, Ross E., assignor.)

Speckman Manufacturing Company. (See Johnson, John E., assignor.)

Spelman, Milton H., Shaker Heights Village, assignor to Born Steel Range Company, Cleveland, Ohio. Electrically-operated roasting spit. 1,738,328; Dec. 3.

Spooner, Albert C., Chicago, Ill. Rendering appliance. 1,737,738; Dec. 3.

Spreen, Charles C., Detroit, Mich. Journal-bearing seal. 1,737,777; Dec. 3.

Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,737,776; Dec. 3.

Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Cooling unit for refrigerators. 1,737,778; Dec. 3.

Square D Company. (See Hausmann, Lemuel M., assignor.)

Stacks, Homer, Detroit, Mich. Vehicle body construction. 1,738,329; Dec. 3.

Stambrough, Clarence P., Stockton, Calif. Box-strapping device. 1,737,779; Dec. 3.

Standard Automatic Machine Company. (See Pennock, Theodore E., assignor.)

Standard Envelope Manufacturing Company, The. (See Nelson, Robert A., assignor.)

Standard Stoker Company, Inc., The. (See Lower, Nathan M., assignor.)

Stanley, Arthur M., Lynn, assignor to Stanley Engineering, Inc., Boston, Mass. Antenna construction. 1,738,459; Dec. 3.

Stanley Engineering, Inc. (See Stanley, Arthur M., assignor.)

Stanley Works, The. (See Parsons, Stuart W., assignor.)

Stark, George W., assignor of one-half to J. Dimitroff, Astoria, Ore. Oil feeding and discharge means for oil burners. 1,738,082; Dec. 3.

Stark, Jacob J., Brooklyn, N. Y. Denture. 1,738,460; Dec. 3.

Stedman, Edwin H., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Valve structure for compressors. 1,738,403; Dec. 3.

Stein, Emanuel D. (See Sallinger, Morris, assignor.)

Steinmetz, Harry G., and H. P. Eck, Port Chester, N. Y. Starting mechanism. 1,737,868; Dec. 3.

Stenman, Per L., Stockholm, Sweden. Machine for cutting threads upon screw blanks. 1,737,739; Dec. 3.

Stephens, Howard H., Topeka, Kans. Tube-rolling machine. 1,738,125; Dec. 3.

Storne, Frank J., et al. (See Oplitz, Bernhard O., assignor.)

Stevens, Harry M., Schenectady, N. Y., assignor to General Electric Company, Relay. 1,738,461; Dec. 3.

Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Flat-band-tire building machine. 1,738,503; Dec. 3.

Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for use in removing pressure bags from pneumatic-tire casings. 1,738,504; Dec. 3.

Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for making hollow-base tires or other rubber articles. 1,738,505; Dec. 3.

Stevens, William G., Jr., New York, N. Y. Gear-shifter mechanism. 1,738,462; Dec. 3.

Stickney, Burnham C., Hillsdale, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,737,982; Dec. 3.

Stillman, Thomas B., South Orange, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler and superheater having replaceable tubes. 1,737,809; Dec. 3.

Stivers, Jake M., Enid, Okla., assignor to The Best Blade & Holder Co., Oklahoma City, Okla. Meat-chopper blade and blade holder. 1,738,025; Dec. 3.

Stockman, Alfred M., Irvington, N. J. Display stand. 1,737,740; Dec. 3.

Stokes, John S. (See Norotny, E. E., and Romieux, assignors.)

Stone Straw Corporation. (See Casey, Carl, assignor.)

Storch, Morris, and I. Frank, Brooklyn, N. Y. Brush attachment for automobiles. 1,737,952; Dec. 3.

Stott, Emma B., Chicago, Ill., assignor to Milton Bradley Company, Springfield, Mass. Loom. 1,737,983; Dec. 3.

Stout, Elmer O., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,738,126; Dec. 3.

Strasser, Jerome P., New York, N. Y. Waterproof cement. 1,738,022; Dec. 3.

Stratford, William M., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating and purifying hydrocarbon lubricating oils. 1,738,330; Dec. 3.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)

Strzyczkowski, Julian, New York, N. Y. Rope-splicing device. 1,738,331; Dec. 3.

Subr, Charles L., and W. S. Zehrung, assignors to The Pennzell Company, Oil City, Pa. Removing cloud-forming materials from hydrocarbon oil. 1,737,737; Dec. 3.

Sunbeam Electric Manufacturing Company. (See Jones, L. R., and Battin, assignors.)

Sunshine Incorporated. (See Finklestein, Everett L., assignor.)

Sutlin, Willard A., South Euclid, Ohio. Sprinkler head. 1,738,332; Dec. 3.

Swift & Company. (See Parsons, Clinton H., assignor.)

Synapse Industrial Gas Company. (See Henderson, Nelson H., assignor.)

Szymanski, Stanley, Jersey City, N. J. Jewelry box. 1,738,333; Dec. 3.

Taber, Ralph F., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Method of and machine for making index tubes. 1,738,334; Dec. 3.

Talbot, Elmer R., Chicago, Ill. Waffle iron. 1,737,620; Dec. 3.

Tammeo, Aldo, assignor of one-half to E. Caminada, Genoa, Italy. Wing-structure-varying device for aeroplanes. 1,738,463; Dec. 3.

Tanner, Arnold J., North Haven, Conn. Folding packing and display container. 1,738,127; Dec. 3.

Tarbox, John J., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Automobile chassis of sheet-metal stampings. 1,737,810; Dec. 3.

Tate, Ballard C. (See Truitt, R. G., Tate, and Qualls.)

Taylor, Archie R., assignor to New England Wood Heel Co., Haverhill, Mass. Machine and method for manufacturing heels. 1,737,811; Dec. 3.

Taylor, Archie R., assignor to New England Wood Heel Co., Haverhill, Mass. Heel. 1,737,812; Dec. 3.

Taylor Chair Company, The. (See Taylor, Joseph F., assignor.)

Taylor, David O., West Point, Miss. Boat-propelling means. 1,737,899; Dec. 3.

Taylor, Isalah H., Baltimore, Md. Porch-floor protector. 1,737,621; Dec. 3.

Taylor, Joseph F., Cleveland Heights, assignor to The Taylor Chair Company, Bedford, Ohio. Chair construction. 1,738,023; Dec. 3.

Taylor, Steadman O., St. Louis, Mo. Retaining-valve bracket. 1,737,869; Dec. 3.

Taylor, W. H., et al. (See Graham, Homer L., assignor.)

Technicolor Motion Picture Corporation. (See Carleton, Herbert O., assignor.)

Teletype Corporation. (See Reiber, Albert H., assignor.)

Telfer, Archibald S., Tulsa, Okla. Pump. 1,737,870; Dec. 3.

Tennant, Robert K., Alcona, Ontario, Canada. Ice-cutting tire for car wheels and scraper therefor. 1,738,404; Dec. 3.

Ternstedt Manufacturing Company. (See Schnell, William, assignor.)

Texas Company, The. (See Stratford, William M., assignor.)

Thal, Bernhard, Chelsea, Mass., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Screw driver. 1,738,405; Dec. 3.

Tharp, Victor S., Elmhurst, assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,738,059; Dec. 3.

Theodoropoulos, Artistide A., New York, N. Y. Collapsible umbrella. 1,738,267; Dec. 3.

Theoharis, Themistocles, and J. Fotak's, Tampa, assignors of twenty per cent to I. N. Nicholas, Tarpon Springs, Fla. Street-indicating and advertising device. 1,737,900; Dec. 3.

Thomas, Adolph A., New York, N. Y. Electric condenser. 1,737,741; Dec. 3.

Thomas, Carroll. (See Wennagel, G. F., and Thomas.)

Thomas, George B. (See Goodridge, G. W., and Thomas.)

Thomas, Mable M., executrix. (See Farmer, C. C., and Thomas.)

Thomas, Thomas H. (See Farmer, C. C., and Thomas.)

Thompson, Augustus F., Huntington, W. Va. Radiant gas heater. 1,738,335; Dec. 3.

Thompson, Don N., deceased, by E. C. Thompson, executrix, assignor to Pass & Seymour Inc., Syracuse, N. Y. Lighting fixture. 1,737,622; Dec. 3.

Thompson, Eva C., executrix. (See Thompson, Don N.)

Thomson, George M., Caledonia, Ontario, assignor, by mesne assignments, to Canada Gypsum and Alabastine Company, Limited, Paris, Ontario, Canada. Production of dense foam. 1,737,623; Dec. 3.

Thomson, George M., Caledonia, Ontario, assignor to Canada Gypsum and Alabastine Company, Limited, Paris, Ontario, Canada. Apparatus for the production of dense foam. 1,737,624; Dec. 3.

Thurber, Ezra J., Seattle, Wash. Battery connection. 1,738,157; Dec. 3.

Thurston, Ernest B., assignor to The Houghton Elevator & Machine Company, Toledo, Ohio. Determined travel safety control. 1,738,214; Dec. 3.

Thurston, Ernest B., and F. L. Ohler, assignors to The Houghton Elevator & Machine Company, Toledo, Ohio. Travel-control device for elevators. 1,738,215; Dec. 3.

Tice, Percival S., Chicago, Ill. Carbureting system for internal-combustion engines. 1,737,813; Dec. 3.

Time-O-Str. Controls Company. (See Phelan, Louis A. M., assignor.)

Tjaarda, John, Rochester, N. Y., assignor to Chrysler Corporation, Detroit, Mich. Radiator shell. Des. 80,057; Dec. 3.

Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web-roll-driving device. 1,738,083; Dec. 3.

Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence R. I. Link chain. 1,738,407; Dec. 3.

Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Electric switch and operating means therefor. 1,738,406; Dec. 3.

Trask, F. E., et al. (See Anderson, Emil S., assignor.)

Trezo, William J., Hutchinson, Kans. Railway-switch-point protector. 1,737,984; Dec. 3.

Trio Products Corporation. (See Oishel, J. R., and Hueber, assignors.)

Trinks, William W., New York, assignor to C. R. Orcutt, Jackson Heights, N. Y. Washing-machine-locking mechanism. 1,738,506; Dec. 3.

Trojan Powder Company. (See Snelling, W. O., and Rupp, assignors.)

Trolle, Sofus, Racine, Wis., assignor to Trolle Specialty Company. Supporting bracket for visor glasses. 1,737,814; Dec. 3.

Trolle Specialty Company. (See Trolle, Sofus, assignor.)

Truitt, Rudolphus G., Ann Arbor, B. C. Tate, East Stone Gap, and J. W. Qualls, Big Stone Gap, Va. Churn. 1,737,625; Dec. 3.

Trumbull Electric Manufacturing Company. (See Hanny, Charles E., assignor.)

Trump, Edward H., London, England, assignor to Radio Corporation of America. Thermionic amplifier. 1,738,408; Dec. 3.

Tunno, Wreckliffe C., Savannah, Ga. Wheel rim. 1,737,742; Dec. 3.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shedding mechanism for looms. 1,737,689; Dec. 3.

Tursky, Charles M., assignor to Whaley Engine Patents, Inc., New York, N. Y. Fuel-oil valve. 1,737,985; Dec. 3.

Twiddle, William F., assignor to Amoskeag Manufacturing Company, Manchester, N. H. Cloth-piling mechanism. 1,738,084; Dec. 3.

U. G. I. Contracting Company, The. (See Dashiell, Philip T., assignor.)

U. S. E. M. Company. (See Lovejoy, Dimmitt R., assignor.)

Ulman, Rosanna D., assignor to International Corset Company, Aurora, Ill. Corset. 1,738,158; Dec. 3.

Underwood Elliott Fisher Company. (See Kurowski, A. G. F., and Norin, assignors.)

Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)

Unger, Lloyd A., trustee. (See Lonaberger, R. F., and Sands, assignors.)

Union Switch & Signal Company, The. (See Holte, Harold O., assignor.)

United Shoe Machinery Corporation. (See Ballard, Harrie A., assignor.)

United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)

United Shoe Machinery Corporation. (See Hipperson, V. E., and Gouldbourn, assignors.)

United Shoe Machinery Corporation. (See Newmann, Herman, assignor.)

United Shoe Machinery Corporation. (See Perry, Frederick H., assignor.)

United Shoe Machinery Corporation. (See Willbauck, Augustus D., assignor.)

United States Cabinet Bed Co. (See Martin, Joseph, assignor.)

United States Colloid Mill Corporation. (See Eppenhach, William, assignor.)

United States Hat Machinery Corporation. (See Genest, Homer A., assignor.)

Universal Oil Products Company. (See Morrell, Jacques C., assignor.)

Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling fork for looms. 1,737,690; Dec. 3.

Urfer, Charles, Geneva, Switzerland, assignor to Société d'Etudes Minières et Industrielles, Paris, France. Manufacture of ammonia. 1,737,953; Dec. 3.

Urhart, Jesse T., near Zuni, Va. Fertilizer distributor. 1,738,085; Dec. 3.

Valentine, Percy W., Natick, Mass. Ribbed inner sole. 1,737,986; Dec. 3.

Vanace, William P., Schenectady, N. Y. Oyster and clam opener. 1,737,626; Dec. 3.

Van der Bijl, Hendrik J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device and making the same. 1,738,269; Dec. 3.

Van Doren, Abraham E. (See Hayden, Harold R., assignor.)

Van de Water, Burt, Modesto, Calif. Direction indicator. 1,738,128; Dec. 3.

Van Proyen, Arthur. (See Rothman, A. G., and Carter, assignors.)

Van Rans, Cornelius W., Detroit, Mich. Internal-combustion engine. 1,738,159; Dec. 3.

Vaughan, Anne B., assignor to Morrison Brushes, Inc., Glens Falls, N. Y. Archery game. 1,737,871; Dec. 3.

Vaughan, Arthur H. (See Cope, F. T., and Vaughan.)

Vester, Alfred, Sons, Inc. (See Wightman, Thomas H., assignor.)

Viksten, Ernst G., Skarsatva, Lidington, and K. A. B. Holm, Stockholm, Sweden, assignors to American Gas Accumulator Company, Elizabeth, N. J. Gas-flash-light apparatus. 1,738,160; Dec. 3.

Villaret, Gustave E., Leonia, N. J., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Vase element of an electric-light fixture. Des. 80,058; Dec. 3.

Von Ardenne, Manfred, Berlin, Germany. Arrangement to protect capacitive loud-speakers against puncture. 1,737,872; Dec. 3.

Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Smoking stand. Des. 80,059; Dec. 3.

Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Electric lamp or similar article. Des. 80,060; Dec. 3.

Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Electric lamp or similar article. Des. 80,061; Dec. 3.

Von Nessen, Walter, New York, N. Y., assignor to Ecolite Corporation, Shade. Des. 80,062; Dec. 3.

Wacker, Dr. Alexander, Gesellschaft, für Electrochemische Industrie. (See Noichl, F. X., and Schmidt, assignors.)

Wade, Elmer J., and W. J. Ruden, jr., Pittsfield, Mass., assignors to General Electric Company. Cathode-ray oscillograph control. 1,738,464; Dec. 3.

Wadsworth, Frank L. O., Pittsburgh, Pa. Water heater. 1,738,086; Dec. 3.

Wadsworth, Frank L. O., Pittsburgh, Pa. Water-heater construction. 1,738,087; Dec. 3.

Wadsworth, Frank L. O., Pittsburgh, Pa. Water heater. 1,738,088; Dec. 3.

Wagenhorst, James H., Jackson, Mich. Making tubular spoked wheels. 1,737,780; Dec. 3.

Wagner, Robert E., and W. E. Laird, Pittsfield, Mass., assignors to General Electric Company. Line welding. 1,738,465; Dec. 3.

Wahlberg, Gustav A. V. (See Wahlberg, Karl A. and G. A. V.)

Wahlberg, Karl A. and G. A. V., Hesselby, Villastad, Sweden. Hand saw. 1,738,336; Dec. 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined filling fork and web-replenishing mechanism. 1,737,691; Dec. 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Web-replenishing loom with regularly-moving transferer. 1,737,692; Dec. 3.

Walker Body Company. (See Wells, George W., assignor.)

Walker, Edwin R., and D. B. Henley, Yakima, Wash. Carrier for running boards. 1,737,901; Dec. 3.

Walker, Lloyd F., Belmont, Mass. Crushing machine. 1,738,161; Dec. 3.

Wallace, Archibald L., assignor to Metal Hose & Tubing Co., Inc., Brooklyn, N. Y. Quick-acting coupling. 1,738,216; Dec. 3.

Wallace, Benjamin F., Brooklyn, N. Y. Paris green insecticide. 1,738,089; Dec. 3.

Wallace, Benjamin F., Brooklyn, N. Y. Paris green insecticide. 1,738,090; Dec. 3.
 Walters, Frank, Kidderminster, assignor to Thomas Bond Worth & Sons Limited, Stourport, England. Loom for weaving knotted pile fabrics. 1,737,743; Dec. 3.
 Ware, Melvin R., Westminster, Md. Paper-making machine. 1,737,781; Dec. 3.
 Warner Corporation, The. (See Collins, John L., assignor.)
 Warner, Russell A., Schenectady, N. Y., assignor to General Electric Company. Frequency converter tie. 1,738,466; Dec. 3.
 Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Frictionless clock contact. 1,738,467; Dec. 3.
 Warren, Simon L., Quincy, Mass. Upholstery support. 1,737,815; Dec. 3.
 Warren Telechron Company. (See Warren, Henry E., assignor.)
 Waterman, Russell R. (See French, C. A., and Waterman.)
 Watkins, D. M., Co. (See Jenckes, George W., assignor.)
 Watson, Edward F. (See Morehouse, L. F., and Watson.)
 Wear, Tandy R., Colton, Calif., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator-car-door-operating mechanism. 1,737,627; Dec. 3.
 Webb, George, and F. D. Jenks, West Hartford, assignors to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Door-operating mechanism. 1,737,902; Dec. 3.
 Webb, George, West Hartford, and F. D. Jenks, Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dishwashing machine. 1,737,693; Dec. 3.
 Webb, Harry E., Tonawanda, and G. F. Seames, Buffalo, N. Y. Store building. Des. 80,063; Dec. 3.
 Webber, William, La Grange, Ill., assignor to International Harvester Company. Bearing box. 1,737,816; Dec. 3.
 Weber Electric Company. (See Fabrey, William H., assignor.)
 Webster, F. S., Company. (See Quartz, James, assignor.)
 Webster, Harry A., assignor to Armstrong Cork Company, Lancaster, Pa. Actuating mechanism for multiple-block printing heads. 1,737,817; Dec. 3.
 Weeks, James R., and H. A. Greenwald, Detroit, Mich., assignors to Whitehead and Kales Company, River Rouge, Mich. Grid for ice pans. 1,738,162; Dec. 3.
 Wehrle Company, The. (See Pickup, George E., assignor.)
 Weidlich Bros. Mfg. Co., The. (See Flaender, Alfred J., assignor.)
 Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Method of and arrangement for stray elimination in radio communication. 1,738,327; Dec. 3.
 Weingartner, Anthony E., Bethlehem, assignor to American Engineering Company, Philadelphia, Pa. Quick-acting safety abutment. 1,738,409; Dec. 3.
 Weir, G. & J., Limited. (See Weir, James G., assignor.)
 Weir, James G., Cathcart, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Closed feed system for steam power plants. 1,738,507; Dec. 3.
 Weir, Max W., Newark, N. J. Boat-propelling means. 1,738,410; Dec. 3.
 Weiss, Howard E., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Furring strip. 1,738,469; Dec. 3.
 Welch, Oliver P., St. Ignace, Mich. Rest and exercising appliance for infants. 1,738,411; Dec. 3.
 Wellich, Edmund, assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for spinning glass. 1,738,217; Dec. 3.
 Wellington, James A., Westmont, assignor of one-half to R. P. Smith, Esq., Johnstown, Pa. Signaling mechanism. 1,737,987; Dec. 3.
 Wells, George W., assignor of one-half to Walker Body Company, Amesburg, Mass. Latch for doors. 1,738,338; Dec. 3.
 Welty, Albert B., Chicago, Ill., assignor to International Harvester Company. Grain-cleaning mechanism. 1,737,818; Dec. 3.
 Wennagel, George F., and C. Thomas, Baltimore, Md. Heating unit. 1,738,026; Dec. 3.
 Wenz, John F., Wireton, Pa. Lighting fixture. 1,738,129; Dec. 3.
 Werkstell, Louis, and A. Colognori, Brooklyn, N. Y. Watch. Des. 80,064; Dec. 3.
 Wesseler, William J., East Cleveland, Ohio. Knitted fabric and making the same. 1,738,486; Dec. 3.
 Western Electric Company. (See Anderson, Sidney E., assignor.)
 Western Electric Company. (See Curtis, Austen M., assignor.)
 Western Electric Company. (See Farrington, John F., assignor.)
 Western Electric Company. (See Fletcher, Harvey, assignor.)
 Western Electric Company. (See Hartley, Ralph V. L., assignor.)
 Western Electric Company. (See Locke, George A., assignor.)
 Western Electric Company. (See Schelleng, John C., assignor.)
 Western Electric Company. (See van der Bijl, Hendrik J., assignor.)

Western Union Telegraph Company, The. (See Griffith, F., Birkmeyer, and Life, assignors.)
 Westinghouse Air Brake Company, The. (See Farmer, C. C., and Thomas, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
 Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Bottle carrier. 1,737,819; Dec. 3.
 Whaley Engine Patents, Inc. (See Tursky, Charles M., assignor.)
 Wheeler, James F., Indianapolis, Ind. Bulb dropper. 1,738,218; Dec. 3.
 Wheeler, Walter H., Jr. (See Ogden, J. W., Lund, and Wheeler.)
 Wheelwright, Thomas S., assignor to Old Dominion Iron and Steel Works, Richmond, Va. Making fasces bolt stock. 1,738,487; Dec. 3.
 Whippy, George F., Brixton, London, J. Hooper, London, and W. H. T. Manley, Brixton, London, England. Advertising and like sign. 1,738,468; Dec. 3.
 White, Frank E. (See Carrillo, Alexander C., assignor.)
 White, Harry R. L. (See Brady, K. T., and White.)
 White, John W. (See Pfeiffer, F. B., and White.)
 Whitehead and Kales Company. (See Weeks, J. R., and Greenwald, assignors.)
 Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,737,694; Dec. 3.
 Whitin Machine Works. (See Koolstra, John A., assignor.)
 Whiting, Harry A., C. J. Hughes, and S. J. Maher, St. Paul, Minn. Folding high chair. 1,738,339; Dec. 3.
 Whittram, Benjamin B., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,737,988; Dec. 3.
 Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Thermal control of alternating-current electromagnetic devices. 1,738,488; Dec. 3.
 Wicklein, Gottfried, Nuremberg, Germany. Display container. 1,737,744; Dec. 3.
 Wiekstrum, Cecil M., Omaha, Nebr. Tent construction. 1,738,219; Dec. 3.
 Wightman, Thomas H., assignor to Alfred Yester Sons, Inc., Providence, R. I. Buckle. Des. 80,065; Dec. 3.
 Williams-Ersted Company. (See Gorbett, Sidney B., assignor.)
 Willhauck, Augustus D., Cambridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 1,737,745; Dec. 3.
 Williams, Edgar R., Modesto, Calif. Fruit-picker's bag. 1,738,470; Dec. 3.
 Williams, French B. (See Pressley, C. R., and Williams.)
 Williams, George A. (See Hulva, L. W., and Williams.)
 Williams, Harry M., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Bearing. 1,738,163; Dec. 3.
 Williams, Joseph A., Jacksonville, Fla. Curtain-rod and shade-roller support. 1,738,091; Dec. 3.
 Williams Oil-O-Matic Heating Corporation. (See Williams, Walter W., assignor.)
 Williams, Stephen L., assignor to Extruded Metal Products Company, Bridgeport, Ohio. Pickling apparatus. 1,738,412; Dec. 3.
 Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Atomizing liquid fuels. 1,738,489; Dec. 3.
 Wilms, Gustav O., assignor, by mesne assignments, to The Reliance Company, Milwaukee, Wis. Radio apparatus. 1,737,903; Dec. 3.
 Wilson, James L. H., Westboro, Ontario, Canada. Fountain pen. 1,737,954; Dec. 3.
 Wilson-Jones Company. (See McCleary, Henry R., assignor.)
 Winder, Frank J., Brackenridge, Pa., assignor to Allegheny Steel Company. Continuous-heat annealing furnace. 1,738,130; Dec. 3.
 Windsor, William L., 3d, Harrisburg, Pa. Route indicator. 1,738,413; Dec. 3.
 Winter, John R., assignor to Youngstown Pressed Steel Company, Warren, Ohio. Making pressed-steel car wheels. 1,738,414; Dec. 3.
 Winthrop Chemical Company. (See Osvald, Gösta, assignor.)
 Wired Radio, Inc. (See Crossley, Alfred, assignor.)
 Wireless Specialty Apparatus Company. (See Proctor, J. A., and Bailey, assignors.)
 Witte, Gustav A., Riverside, assignor to International Precipitation Company, Los Angeles, Calif. Cementitious product and making the same. 1,737,904; Dec. 3.
 Wittlinger, Max A., Vernon, Tex. Curb-service tray. 1,738,415; Dec. 3.
 Wolf, John L., New York, N. Y. Belt. 1,737,782; Dec. 3.
 Wollenschlager, George, New York, N. Y. Pipe support. 1,737,989; Dec. 3.
 Wolzenski, Roman, Warrenton, Mo. Window-screen device. 1,738,131; Dec. 3.
 Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Inking mechanism. 1,737,728; Dec. 3.
 Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)

Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
 Wood, Wallace H., Waverley, assignor to Norton Company, Worcester, Mass. Work-loading device. 1,738,027; Dec. 3.
 Wood, William H., South Euclid, Ohio. Wood veneer and preparing same. 1,738,132; Dec. 3.
 Woodman, Frank B. (See Hopkins, F. H., and Woodman.)
 Woodward, Frank P. (See Rex, W. H., and Woodward.)
 Woodward, Louis A., Zanesville, Ohio. Conveyor table for cross-roll mills. 1,738,340; Dec. 3.
 Worley, George I., deceased, Akron, Ohio; M. A. Worley, administratrix. Motor-vehicle trunk. 1,738,490; Dec. 3.
 Worley, Myrtle A., administratrix. (See Worley, George I.)
 Worth, Thomas Bond, & Sons Limited. (See Walters, Frank, assignor.)
 Wulle, William A., assignor to The Pyle-National Company, Chicago, Ill. Lamp socket and grip. 1,738,341; Dec. 3.
 Yawman & Erbe Manufacturing Co. (See Schaffert, Adolf H., assignor.)
 Yoder Pencil Company, The. (See Morris, Howard L., assignor.)
 Young, Archer E., Pittsburgh, Pa. Method of and instrument for computing variables. 1,737,746; Dec. 3.

Youngstown Pressed Steel Company. (See Winter, John R., assignor.)
 Zadow, Waldemar, Berlin, Germany. Friction-roller transmission gear. 1,737,695; Dec. 3.
 Zanardelli, Faust, and C. Antonelli, Monongahela, Pa. Toothpick dispenser. 1,737,747; Dec. 3.
 Zehring, Winfield S. (See Suhr, C. L., and Zehring.)
 Zellhoefer, Glenn F., Bloomington, Ill. Refrigerating system. 1,738,270; Dec. 3.
 Zellhoefer, Glenn F., Urbana, Ill. Refrigerating system. 1,738,342; Dec. 3.
 Zimmerman, James L. M., Philadelphia, Pa. Fusible protective device for motor bearings. 1,737,629; Dec. 3.
 Zingg, Oscar, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Heating device. 1,738,164; Dec. 3.
 Zinke, Alois, Graz, Austria, assignor to Felice Bensa, Genoa, Italy. Manufacturing chloroperylene quinones. 1,738,343; Dec. 3.
 Zinke-Roberts Co. (See Roberts, William C., assignor.)
 Zitscher, Arthur, and F. Muris, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing fast printings. 1,737,905; Dec. 3.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3d DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive wheel. J. R. Gammeter. 1,738,472; Dec. 3.
Acid mixture, Cyanogen-chloride hydrocyanic. G. H. Buchanan. 1,738,280; Dec. 3.
Acids, Manufacture of alkylated aromatic sulphonic. F. Günther and J. Hetzer. 1,737,792; Dec. 3.
Acoustic device. V. A. Schlenker. 1,738,322; Dec. 3.
Acridine derivative for therapeutical purposes. E. Rothlin and F. Müller. 1,738,449; Dec. 3.
Actuating mechanism for multiple-block printing heads. H. A. Webster. 1,737,817; Dec. 3.
Adjustable table. G. H. Angert. 1,737,956; Dec. 3.
Advertising pedestal for clock and weighing machine. J. B. Holtz. Des. 80,032; Dec. 3.
Advertising rack. L. G. Moore and F. D. Pelot. 1,737,939; Dec. 3.
Aeroplane. L. F. Covatch. 1,738,423; Dec. 3.
Aeroplane. S. Sisson. 1,737,951; Dec. 3.
Aeroplane-handling structure. W. J. Perkins. 1,738,261; Dec. 3.
Aeroplane or similar article. E. Ebbinghaus. Des. 80,022; Dec. 3.
Aeroplanes, Safety appliance for. C. H. Gunn. 1,738,001; Dec. 3.
Aeroplanes, Wing-structure-varying device for. A. Tammeo. 1,738,463; Dec. 3.
Agitator. J. E. Bond. 1,737,699-705; Dec. 3.
Agricultural implement. P. Isaac. 1,738,185; Dec. 3.
Agriculture, Method of and apparatus for the practice of. H. L. Roe. 1,737,866; Dec. 3.
Air deflector. J. T. Bond. 1,738,418; Dec. 3.
Air diffuser for auditoriums and the like. L. L. Lewis. 1,737,661; Dec. 3.
Air duct. W. Lintern. 1,738,377; Dec. 3.
Air heater. I. L. Langvand. 1,737,970; Dec. 3.
Airplane. G. M. Lewis. 1,737,596; Dec. 3.
Airship. G. Kirsch. 1,738,187; Dec. 3.
Air supplier. J. Adams. 1,737,550; Dec. 3.
Alarm signal. A. Sherwood. 1,737,774; Dec. 3.
Aldehyde derivative of reaction products of aldehydes and amines and making same. Higher. C. O. North. Reissues. 1,731,111; Dec. 3.
Alkyl halides, Making. R. H. McKee. 1,738,193; Dec. 3.
Ammonia, Manufacture of. C. Urfer. 1,737,953; Dec. 3.
Amplifier, Thermionic. E. H. Trump. 1,738,408; Dec. 3.
Amusement device. L. Cappabianco. 1,738,355; Dec. 3.
Anchor, Rail. A. F. Fife. 1,738,237; Dec. 3.
Anchor, Safety. A. Barbellio. 1,738,029; Dec. 3.
Anchor, Timber. R. E. Beegle. 1,737,908; Dec. 3.
Animal trap. J. A. Rollins. 1,738,448; Dec. 3.
Annealing furnace, Recuperative. E. T. Cope. 1,738,038; Dec. 3.
Antenna construction. A. M. Stanley. 1,738,459; Dec. 3.
Antiaircraft projectile. N. D'Orsaneo. 1,737,833; Dec. 3.
Antishimmying device. W. Moller. 1,738,147; Dec. 3.
Arbor. G. J. Hulbert. 1,738,145; Dec. 3.
Armatures, Making. V. G. Apple. 1,738,166; Dec. 3.
Arrangement to protect capacitive loud-speakers against puncture. M. von Ardenne. 1,737,872; Dec. 3.
Arsenates, Making. C. D. Carpenter. 1,737,639; Dec. 3.
Article of manufacture. W. H. Sommer. 1,737,867; Dec. 3.
Auditorium. E. Milkutat. 1,737,666; Dec. 3.
Automobile body. L. W. Kilgour. Des. 80,034; Dec. 3.
Automobile light. F. Bach. 1,738,092; Dec. 3.
Automobile signal housing. J. H. Powers. Des. 80,049; Dec. 3.
Baffle, Metallic. I. Harter. 1,737,756-9; Dec. 3.
Bag. See—
Filter bag. Golf bag.
Fruit-pickers' bag.
Balls, Bar for bucket. R. J. Curtis. 1,738,042; Dec. 3.
Balance, Three-weighted torsion. E. K. Kogbetliantz. 1,737,660; Dec. 3.
Barrel mounting for firearms. F. T. Moore. 1,738,500; Dec. 3.
Bathub and similar structure. J. A. Miller. 1,738,256; Dec. 3.
Battery connection. E. J. Thurber. 1,738,157; Dec. 3.
Bearing. H. M. Williams. 1,738,163; Dec. 3.
Bearing, Antifriction. J. F. O'Connor. 1,737,611; Dec. 3.
Bearing, Ball. C. W. Duke. 1,738,359; Dec. 3.
Bearing box. W. Webber. 1,737,816; Dec. 3.
Bearing seal. Journal. C. C. Spreen. 1,737,777; Dec. 3.
Bearing, Side. E. A. Laughlin and E. R. Packer. 1,737,594; Dec. 3.
Beater, Motor-driven. T. B. Myers. 1,738,112; Dec. 3.
Bed, Collapsible camp. W. S. Rynearson. 1,737,947; Dec. 3.
Bed, Davenport. G. W. Slyter. 1,738,156; Dec. 3.
Bed, Day. J. Martin. 1,737,604; Dec. 3.
Belt. J. L. Wolf. 1,737,782; Dec. 3.
Belt for personal wear. M. Luftig. 1,738,107; Dec. 3.
Bench. See—
Collapsible bench.
Bill fold. C. L'Enfant. 1,737,972; Dec. 3.
Bill-producing apparatus for meters. J. J. Noonan. 1,737,863; Dec. 3.
Binder. P. J. Kraemer. 1,737,853; Dec. 3.
Binder, Carbon. J. Quartz. 1,738,153-4; Dec. 3.
Binder, Loose-leaf. L. Barnes. 1,738,223; Dec. 3.
Binder, Loose-leaf. A. G. Lotter. 1,738,305; Dec. 3.
Blowing boilers, Device for. A. G. Kernin. 1,737,591; Dec. 3.
Boat, Foldable. M. M. Bair and W. E. Edgerton. 1,738,221; Dec. 3.
Boat propeller. J. J. Anderson. 1,738,134; Dec. 3.
Boat-propelling means. D. O. Taylor. 1,737,899; Dec. 3.
Bobbin cleaner, Automatic. T. A. and P. H. Lacey. 1,737,669; Dec. 3.
Boller. B. B. Whitman. 1,737,988; Dec. 3.
Boller and superheater having replaceable tubes. T. B. Stillman. 1,737,809; Dec. 3.
Bolt. See—
Toggle bolt.
Bolt stock, Making fascies. T. S. Wheelwright. 1,738,487; Dec. 3.
Bottle carrier. M. P. Wetmore. 1,737,819; Dec. 3.
Bowl for coffee makers, Lower. A. M. Boever. Des. 80,015; Dec. 3.
Bowl for coffee makers, Upper. A. M. Boever. Des. 80,013; Dec. 3.
Box. See—
Bearing box. Jewelry box.
Collapsible box. Miter box.
Core box. Tank-fill box.
Box. L. M. Rebel. Des. 80,051; Dec. 3.
Box-strapping device. C. P. Stanbrough. 1,737,779; Dec. 3.
Brace. See—
Foot brace.
Bracelet. W. Kuehner. 1,738,106; Dec. 3.
Bracket. See—
Valve bracket.
Brake. See—
Fluid-pressure brake.
Brake. J. P. O'Connor. 1,737,612; Dec. 3.
Brake apparatus. L. F. Meunier. 1,738,308; Dec. 3.
Brake drums, Forming. J. E. Battle. 1,738,224; Dec. 3.
Brake mechanism for railway cars. O. C. Duryea. 1,737,922; Dec. 3.
Brake rigging, Foundation. W. H. Sauvage. 1,738,485; Dec. 3.
Brake system. Air. W. H. Sauvage. 1,738,395; Dec. 3.
Brick-molding machine, Automatic. M. S. Elton and G. E. Barnhart. 1,738,046; Dec. 3.
Brush attachment for automobiles. M. Storch and I. Frank. 1,737,952; Dec. 3.
Buckle. T. H. Wightman. Des. 80,065; Dec. 3.
Buckle, Apparel. A. H. Kerngood. 1,738,477; Dec. 3.
Buckle or similar article, Shoe. M. Mann. Des. 80,038; Dec. 3.
Buffing and polishing machine. G. A. Carlson. 1,738,356; Dec. 3.
Buffing-wheel cloth and making the same. B. H. Divine. 1,737,574; Dec. 3.
Building, Store. H. E. Webb and G. F. Seames. Des. 80,063; Dec. 3.
Bulb dropper. J. F. Wheeler. 1,738,218; Dec. 3.
Bumper and jack for automobiles, Combined. A. C. Hoecker. 1,737,720; Dec. 3.
Bumper, Automobile. B. W. P. Coghlin. 1,738,286; Dec. 3.
Bumper mechanism for motor vehicles. P. Sorce. 1,738,458; Dec. 3.
Bung for iron transport casks. R. Mauser. 1,737,605; Dec. 3.
Buoyancy, Device for increasing. F. G. Sargent. 1,738,210; Dec. 3.
Bureau. J. Sokol. Des. 80,069; Dec. 3.
Burner. See—
Fuel burner.
Burning rack. H. T. Bebb. 1,738,030; Dec. 3.
Burr for dressing pulp grindstones. F. W. Alkin. 1,737,551; Dec. 3.
Bus body. S. S. Albright. 1,737,547; Dec. 3.
Bushings, Drill-drive-stem. H. L. Graham. 1,738,101; Dec. 3.
Cabinet, Wall. J. A. Hoegger. Reissue. 1,731,510; Dec. 3.
Cable construction, Submarine. A. M. Curtis. 1,738,224; Dec. 3.
Cable press, Lead. K. Schrott. 1,737,773; Dec. 3.
Cables, Joining, splicing, and impregnating electric. L. Emanuel. 1,737,650; Dec. 3.
Cage, Bird. E. W. Little. Des. 80,036-7; Dec. 3.
Calcium-magnesium-chloride product and making same. W. R. Cellings and J. J. Shafer. 1,738,492; Dec. 3.
Calculating and measuring purposes, Apparatus for. P. Jellinek and F. Beer. 1,737,659; Dec. 3.
Calculating machines, Controlling means for. A. A. Horton. 1,738,144; Dec. 3.
Calendar, Pad. K. Clark. Des. 80,019; Dec. 3.
Can opener. M. D. Gibson. 1,737,713; Dec. 3.
Candy box. E. G. Levkoff. Des. 80,035; Dec. 3.
Canning abalone. T. Domoto. 1,738,064; Dec. 3.
Cap-feeding mechanism. W. Cameron. 1,737,569; Dec. 3.
Car construction. H. Fuchs. 1,737,582; Dec. 3.
Car, Railway. B. W. Kadel. 1,737,927; Dec. 3.
Car-stop device. G. M. Johnson. 1,738,008; Dec. 3.
Car wheels, Making pressed-steel. J. R. Winter. 1,738,414; Dec. 3.
Carbonizing material containing oil, fat, tar, or the like, Process of and apparatus for. P. Plantinga. 1,738,202; Dec. 3.
Carbureting system for internal-combustion engines. P. S. Tice. 1,737,813; Dec. 3.
Carrier. See—
Bottle carrier.
Carrier for running boards. E. R. Walker and D. B. Henley. 1,737,901; Dec. 3.
Carton. B. S. Scotland. 1,737,950; Dec. 3.
Cartridge, Explosive. W. O. Snelling and G. A. Rupp. 1,738,402; Dec. 3.
Cartridge, Medicament-dispensing. P. G. and H. E. O. Helmsman. 1,737,844; Dec. 3.
Case. See—
Photograph case.
Casement-window adjuster. D. G. Butts. 1,738,282; Dec. 3.
Casting for ingot molds, Shrink-head. E. L. Mesler. 1,737,665; Dec. 3.
Casting, Stovepipe. M. R. Shipley. 1,738,021; Dec. 3.
Castorite, Flotation of. R. S. Handy and R. R. Beard. 1,737,717; Dec. 3.
Caster, Kneec. S. Field. 1,737,836; Dec. 3.
Catch, Double-acting. J. H. and H. W. Niessen. 1,738,387; Dec. 3.
Cathode-ray oscillograph control. E. J. Wade and W. J. Rudge, Jr. 1,738,464; Dec. 3.
Cello or the like, Bow-control device for automatic. B. E. Mills. 1,738,257; Dec. 3.
Celluloid articles, Forming. V. W. Busch. 1,737,874; Dec. 3.
Cement, Waterproof. J. P. Strasser. 1,738,022; Dec. 3.
Cementitious product and making the same. G. A. Witte. 1,737,904; Dec. 3.
Centrifugal separator. H. Nass. 1,738,258; Dec. 3.
Chain, Conveyor. A. T. Bodle. 1,737,823; Dec. 3.
Chain, Link. C. R. Tost. 1,738,407; Dec. 3.
Chair. See—
High chair.
Reclining chair.
Chair construction. J. F. Taylor. 1,738,023; Dec. 3.
Chair or similar article. W. S. Ferris. Des. 80,025; Dec. 3.
Chairs, Operating and controlling mechanism for hydraulic barber. L. A. Carter. 1,738,284; Dec. 3.
Chaise longue. K. T. Brady and R. L. White. 1,738,137; Dec. 3.
Chandelier or similar articles. H. E. Gleason. Des. 80,029; Dec. 3.
Chassis of sheet-metal stampings, Automobile. J. P. Tarbox. 1,737,810; Dec. 3.
Check gate, Automatic. P. Harker. 1,738,051; Dec. 3.
Chloropolyene quinones, Manufacturing. A. Zinke. 1,738,343; Dec. 3.
Chopper blade and blade holder, Meat. J. M. Stivers. 1,738,025; Dec. 3.
Churn. R. G. Truitt, B. C. Tate, and J. W. Qualls. 1,737,625; Dec. 3.
Cigarette-smoker's set. B. F. Conner. 1,737,644; Dec. 3.
Circuit breaker. F. P. Ellis. 1,737,961; Dec. 3.
Circuit closer for electric signal lights and signs, Automatic. W. E. Nagem. 1,738,444; Dec. 3.
Circuit controller, Electric. W. S. Edsall. 1,737,649; Dec. 3.
Circuit controller for lifting magnets. H. E. Hodgson. 1,737,846; Dec. 3.
Circuit for train-control systems, Oscillating. T. E. and J. E. Clark. 1,737,750; Dec. 3.
Clamping clip, Fabric. A. F. Mowry. 1,738,111; Dec. 3.
Clasp. F. A. Ballou, Jr., and B. Morehouse. 1,737,549; Dec. 3.
Cleaner. See—
Bobbin cleaner. Windshield cleaner.
Cleaning and greasing machine. Pan. A. Graf. 1,738,240; Dec. 3.
Cleaning device. A. S. Kux. 1,737,855; Dec. 3.
Cleaning mechanism, Grain. A. B. Welty. 1,737,818; Dec. 3.
Clip. See—
Clamping clip. Supporting clip.
Holding clip.
Clock contact, Frictionless. H. E. Warren. 1,738,467; Dec. 3.
Clock hand or similar article. M. Sallinger. Des. 80,052; Dec. 3.
Close-range device. A. Penn. 1,738,481; Dec. 3.
Closure. W. C. Mills. 1,737,860; Dec. 3.
Closure for collapsible tubes. A. E. Smith. 1,738,080; Dec. 3.
Closure for dispensing containers. E. C. Amsden. 1,738,220; Dec. 3.
Closure, Lightproof window. M. Hirschman. 1,737,885; Dec. 3.
Clutch, Automatic driving. H. W. Smith. 1,738,212; Dec. 3.
Clutch for motors, Starting. L. M. Persons. 1,738,201; Dec. 3.
Clutch for refrigerators. H. L. Brump and F. Bauch. 1,737,825; Dec. 3.
Clutch mechanism. C. H. Arnold. 1,737,907; Dec. 3.
Coal pulverizer. F. G. Lugrin. 1,737,931; Dec. 3.
Coating articles, Apparatus for. C. M. Jamieson. 1,738,431; Dec. 3.
Coffee maker. A. M. Boever. Des. 80,014; Dec. 3.
Coffee table. J. J. Heyman. 1,738,429; Dec. 3.
Coll. Nonmagnetic-core reactance. L. Roebel. 1,738,117; Dec. 3.
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Collapsible box. J. Podell and W. Conescu. 1,737,771; Dec. 3.
Commutator rings, Apparatus for forming. H. W. Cooper. 1,738,097; Dec. 3.
Composing-stick attachment. G. E. Sheldon. 1,738,325; Dec. 3.
Compressor and the like. C. F. Hall. 1,738,104; Dec. 3.
Computing variables, Method of and instrument for. A. E. Young. 1,737,746; Dec. 3.
Concertina action. O. Glass. 1,737,839; Dec. 3.
Concrete, Composition of and method of producing. H. F. Adams. 1,737,906; Dec. 3.
Concrete distributors, Bucket-operating mechanism for. J. C. Lukachovic. 1,738,012; Dec. 3.
Condenser. W. Dublier. 1,737,752; Dec. 3.
Condenser. R. B. Morris and H. Peterson. 1,738,194; Dec. 3.
Condenser, Adjustable vacuum. W. Dublier. 1,738,175; Dec. 3.
Condenser, Electric. A. A. Thomas. 1,737,741; Dec. 3.
Condenser, Electrical. J. Ornstein. 1,738,195; Dec. 3.
Condenser, Electrical. J. A. Proctor and W. M. Bailey. 1,738,314; Dec. 3.
Confection and process of manufacture, Frozen. J. R. Crain. 1,737,919; Dec. 3.
Connector, Automatic train-pipe. J. Robinson. 1,738,484; Dec. 3.
Contact-making gauge. D. R. Lovejoy. 1,737,973; Dec. 3.
Container, Display. G. Wicklein. 1,737,744; Dec. 3.
Container, Folding packing and display. A. J. Tanner. 1,738,127; Dec. 3.
Container having bung. R. L. Parish. 1,737,675-6; Dec. 3.
Container, Medical-tablet. B. F. Conner and W. F. Schmalz. 1,737,643; Dec. 3.
Continuous furnace. F. T. Cope and A. H. Vaughan. 1,738,039; Dec. 3.
Control apparatus and method, Thermostatic. J. L. Kimball. 1,738,073; Dec. 3.
Control for electric-light circuits, Automatic. L. M. Riddles. 1,738,206; Dec. 3.
Control for gunfire. C. C. Mertz. 1,737,937; Dec. 3.
Control for variable radio tuning units. G. V. Hedstrom. 1,738,369; Dec. 3.
Control mechanism for oil-burning apparatus, Fluid-pressure. E. B. Rodgers. 1,738,118; Dec. 3.
Control system. A. E. Anderson. 1,738,344; Dec. 3.
Controlling automotive steam vehicles, Apparatus for. C. A. French and R. R. Waterman. 1,737,581; Dec. 3.
Controlling the supply of a driving fluid, the pressure of a fluid, and similar purposes. T. Kalle. 1,738,072; Dec. 3.
Controlling the warp-yarn supply on weaving machines, Mechanism for. J. Lucas. 1,737,600; Dec. 3.
Conveyer. A. J. Howe. 1,737,762; Dec. 3.
Conveyer system. F. Griffith, P. J. Birkmeyer, and H. G. Life. 1,738,427; Dec. 3.
Conveying apparatus, Pneumatic. G. Bernert. 1,737,561; Dec. 3.
Conveying system. J. W. Cosgrove. 1,737,829; Dec. 3.
Cooking apparatus. F. R. Miller. 1,738,255; Dec. 3.
Cooling unit for refrigerators. C. C. Spreen. 1,737,778; Dec. 3.
Core box. J. B. Lukomski. 1,738,380; Dec. 3.
Corset. J. J. Kispert. 1,738,434; Dec. 3.
Corset. R. D. Ulman. 1,738,158; Dec. 3.
Cotton gin. C. R. Pressley and F. B. Williams. 1,738,391; Dec. 3.
Cotton, Improving. L. Lillienfeld. 1,738,190; Dec. 3.
Cotton picker. E. A. Johnston, D. B. Baker, and C. R. Hagen. 1,737,550; Dec. 3.
Coupling. See—
Flexible coupling. Train-pipe coupling.
Quick-acting coupling.
Cover, Hood. E. Lehmann. 1,738,438; Dec. 3.
Cover lock. C. Ehret. 1,737,576; Dec. 3.
Crib, Knockdown. F. S. Rice. 1,738,317; Dec. 3.
Crushing machine. L. P. Walker. 1,738,161; Dec. 3.

xxxiii

ALPHABETICAL LIST OF INVENTIONS

xxxiii

Cable press, Lead. K. Schrott. 1,737,773; Dec. 3.
Cables, Joining, splicing, and impregnating electric. L. Emanuel. 1,737,650; Dec. 3.
Cage, Bird. E. W. Little. Des. 80,036-7; Dec. 3.
Calcium-magnesium-chloride product and making same. W. R. Cellings and J. J. Shafer. 1,738,492; Dec. 3.
Calculating and measuring purposes, Apparatus for. P. Jellinek and F. Beer. 1,737,659; Dec. 3.
Calculating machines, Controlling means for. A. A. Horton. 1,738,144; Dec. 3.
Calendar, Pad. K. Clark. Des. 80,019; Dec. 3.
Can opener. M. D. Gibson. 1,737,713; Dec. 3.
Candy box. E. G. Levkoff. Des. 80,035; Dec. 3.
Canning abalone. T. Domoto. 1,738,064; Dec. 3.
Cap-feeding mechanism. W. Cameron. 1,737,569; Dec. 3.
Car construction. H. Fuchs. 1,737,582; Dec. 3.
Car, Railway. B. W. Kadel. 1,737,927; Dec. 3.
Car-stop device. G. M. Johnson. 1,738,008; Dec. 3.
Car wheels, Making pressed-steel. J. R. Winter. 1,738,414; Dec. 3.
Carbonizing material containing oil, fat, tar, or the like, Process of and apparatus for. P. Plantinga. 1,738,202; Dec. 3.
Carbureting system for internal-combustion engines. P. S. Tice. 1,737,813; Dec. 3.
Carrier. See—
Bottle carrier.
Carrier for running boards. E. R. Walker and D. B. Henley. 1,737,901; Dec. 3.
Carton. B. S. Scotland. 1,737,950; Dec. 3.
Cartridge, Explosive. W. O. Snelling and G. A. Rupp. 1,738,402; Dec. 3.
Cartridge, Medicament-dispensing. P. G. and H. E. O. Helmsman. 1,737,844; Dec. 3.
Case. See—
Photograph case.
Casement-window adjuster. D. G. Butts. 1,738,282; Dec. 3.
Casting for ingot molds, Shrink-head. E. L. Mesler. 1,737,665; Dec. 3.
Casting, Stovepipe. M. R. Shipley. 1,738,021; Dec. 3.
Castorite, Flotation of. R. S. Handy and R. R. Beard. 1,737,717; Dec. 3.
Caster, Kneec. S. Field. 1,737,836; Dec. 3.
Catch, Double-acting. J. H. and H. W. Niessen. 1,738,387; Dec. 3.
Cathode-ray oscillograph control. E. J. Wade and W. J. Rudge, Jr. 1,738,464; Dec. 3.
Cello or the like, Bow-control device for automatic. B. E. Mills. 1,738,257; Dec. 3.
Celluloid articles, Forming. V. W. Busch. 1,737,874; Dec. 3.
Cement, Waterproof. J. P. Strasser. 1,738,022; Dec. 3.
Cementitious product and making the same. G. A. Witte. 1,737,904; Dec. 3.
Centrifugal separator. H. Nass. 1,738,258; Dec. 3.
Chain, Conveyor. A. T. Bodle. 1,737,823; Dec. 3.
Chain, Link. C. R. Tost. 1,738,407; Dec. 3.
Chair. See—
High chair.
Reclining chair.
Chair construction. J. F. Taylor. 1,738,023; Dec. 3.
Chair or similar article. W. S. Ferris. Des. 80,025; Dec. 3.
Chairs, Operating and controlling mechanism for hydraulic barber. L. A. Carter. 1,738,284; Dec. 3.
Chaise longue. K. T. Brady and R. L. White. 1,738,137; Dec. 3.
Chandelier or similar articles. H. E. Gleason. Des. 80,029; Dec. 3.
Chassis of sheet-metal stampings, Automobile. J. P. Tarbox. 1,737,810; Dec. 3.
Check gate, Automatic. P. Harker. 1,738,051; Dec. 3.
Chloropolyene quinones, Manufacturing. A. Zinke. 1,738,343; Dec. 3.
Chopper blade and blade holder, Meat. J. M. Stivers. 1,738,025; Dec. 3.
Churn. R. G. Truitt, B. C. Tate, and J. W. Qualls. 1,737,625; Dec. 3.
Cigarette-smoker's set. B. F. Conner. 1,737,644; Dec. 3.
Circuit breaker. F. P. Ellis. 1,737,961; Dec. 3.
Circuit closer for electric signal lights and signs, Automatic. W. E. Nagem. 1,738,444; Dec. 3.
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Crib, Knockdown. F. S. Rice. 1,738,317; Dec. 3.
Crushing machine. L. P. Walker. 1,738,161; Dec. 3.

- Cuff, Detachable. J. C. Holland. 1,737,796; Dec. 3.
 Cup: See—
 Lubricant-exPELLing cup.
 Cupola, Hot-blast. C. D. Barr. 1,738,277; Dec. 3.
 Curling-iron attachment. J. H. Jacobs. 1,737,705; Dec. 3.
 Current-controlling system. P. Husta. 1,738,247; Dec. 3.
 Curtain rod or similar article. J. H. Boye. Des. 80,016; Dec. 3.
 Curtain rod or similar article. J. H. Boye. Des. 80,018; Dec. 3.
 Curtain, Stormproof roller. C. H. Meader. 1,738,442; Dec. 3.
 Cushion for office furniture. W. H. Hardy. 1,738,295; Dec. 3.
 Cutter. G. W. Fleming. 1,737,580; Dec. 3.
 Cutter attachment for electric motors, Sheet-metal. A. Hexdall. 1,737,884; Dec. 3.
 Cutting and feeding mechanism, Web. W. H. Cannard. 1,738,354; Dec. 3.
 Cutting channels in parts of footwear, Apparatus for. E. F. H. Enna. 1,737,577; Dec. 3.
 Cylinder mold. A. S. Clark. 1,738,357; Dec. 3.
 Damper construction. J. C. Orr. 1,738,196; Dec. 3.
 Detector for tractors, Exhaust. R. Barries. 1,738,279; Dec. 3.
 Dense foam, Apparatus for the production of. G. M. Thomson. 1,737,624; Dec. 3.
 Dense foam, Production. G. M. Thomson. 1,737,623; Dec. 3.
 Dentist's bite-check apparatus. L. C. Hickok. 1,738,143; Dec. 3.
 Denture. J. J. Stark. 1,738,460; Dec. 3.
 Deodorizing animal and vegetable oils. M. Rogovin. 1,737,731; Dec. 3.
 Designs, Presenting composite. F. Sestl. 1,738,398; Dec. 3.
 Detector: See—
 Weft detector.
 Device for making shoe-string potatoes. B. O. Oplitz. 1,738,148; Dec. 3.
 Dial control. H. R. Hayden. 1,738,296; Dec. 3.
 Diaphragm especially for sound receiving and radiating apparatus. H. Hecht. 1,737,883; Dec. 3.
 Die roll. C. S. Andrews. 1,737,553; Dec. 3.
 Die roll. C. S. Andrews. 1,738,271; Dec. 3.
 Differential. E. C. Foster. 1,738,179; Dec. 3.
 Digger: See—
 Potato digger.
 Direction indicator. B. Van De Water. 1,738,128; Dec. 3.
 Dishpan. W. B. Frankenstein. 1,737,754; Dec. 3.
 Dishwashing machine. N. H. Henderson. 1,737,704; Dec. 3.
 Dishwashing machine. G. Webb and F. D. Jenks. 1,737,693; Dec. 3.
 Disinfectant. Dust. G. Oswald. 1,738,197; Dec. 3.
 Disintegrating sugar cane, Apparatus for. W. H. Morgan, sr. Re17,513; Dec. 3.
 Dispenser, Toothpick. F. Zanardelli and C. Antonelli. 1,737,747; Dec. 3.
 Dispensing machine. S. Hanson. 1,738,428; Dec. 3.
 Display device. A. Newlander. 1,738,259; Dec. 3.
 Display device. R. B. Kisser. 1,738,264; Dec. 3.
 Display device. J. J. Scherotto. 1,737,733; Dec. 3.
 Display stand. A. M. Stockman. 1,737,740; Dec. 3.
 Display unit and support. W. C. Roberts. 1,738,208; Dec. 3.
 Distillation apparatus, Fractional. R. B. Chillas, jr. 1,738,036; Dec. 3.
 Distributor drive. J. C. Bohmker. 1,738,168; Dec. 3.
 Doll or similar article. A. Gramlich. Des. 80,030; Dec. 3.
 Door attachment. J. P. Matthews. 1,738,381; Dec. 3.
 Doorcheck. H. W. Shonnard. 1,738,123; Dec. 3.
 Door, Garage. F. Premo. 1,737,892; Dec. 3.
 Door-latching device, Car. B. W. Kadel. 1,738,057; Dec. 3.
 Door-operating mechanism. G. Webb and F. D. Jenks. 1,737,902; Dec. 3.
 Door-operating mechanism, Refrigerator-car. T. R. Wear. 1,737,627; Dec. 3.
 Doughnut machine. W. Bolshaw. 1,738,033; Dec. 3.
 Draft rigging. W. F. Richards. 1,738,020; Dec. 3.
 Drafting instrument. F. E. Meyer. 1,738,498; Dec. 3.
 Drain for washing machines. C. F. Smith. 1,737,981; Dec. 3.
 Drill steels, Quenching device for. C. C. Hansen. 1,738,050; Dec. 3.
 Drilling machine. J. A. Pierson. 1,738,151; Dec. 3.
 Drinking fountain, Animal. A. F. Klinzing. 1,738,300; Dec. 3.
 Driving device, Web-roll. I. Tornberg. 1,738,083; Dec. 3.
 Dropper: See—
 Bulb dropper.
 Drying paper and textiles and the like, System for. T. H. Ireland. 1,737,926; Dec. 3.
 Drying apparatus, Raw-stock. F. M. Morton. 1,737,940; Dec. 3.
 Electric discharge device. H. W. Jackson. 1,738,475; Dec. 3.
 Electric discharge devices, Preparing. E. E. Charlton. 1,738,420; Dec. 3.
 Electric furnace. P. Brown. 1,737,566; Dec. 3.
 Electric furnace. A. N. Otis and G. W. Hegel. 1,738,446; Dec. 3.
 Electric machine, Dynamo. R. M. Critchfield. 1,738,171; Dec. 3.
 Electric machine, Dynamo. A. H. Maggs. 1,738,441; Dec. 3.
 Electric material and making same. J. De Giovanni. 1,738,044; Dec. 3.
 Electric motor. J. M. Allen. 1,738,165; Dec. 3.
 Electric motor. G. H. Leland. 1,737,595; Dec. 3.
 Electric switch. C. D. Ainsworth. 1,737,630; Dec. 3.
 Electric switch. J. N. Mahoney. 1,737,663; Dec. 3.
 Electric switch. H. H. Oetjen. 1,737,767; Dec. 3.
 Electric switch, Heavy-duty. G. A. Burnham. 1,737,636; Dec. 3.
 Electrical controlling device. J. W. Gooderham. 1,738,293; Dec. 3.
 Electrical fitting. L. M. Hansmann. 1,737,718; Dec. 3.
 Electrical ground anode for electrical distribution system. S. W. Borden. 1,737,562; Dec. 3.
 Electrical resistance unit and manufacturing same. N. L. Eiten. 1,738,141; Dec. 3.
 Electrical switch. W. H. Fabrey. 1,737,924; Dec. 3.
 Electrical system. L. B. and E. W. Jones and R. G. Battin. 1,737,722; Dec. 3.
 Electrode, Cutting. R. W. Holt. 1,738,246; Dec. 3.
 Electrodes in electric furnaces, Apparatus and method of controlling. F. X. Nolehl and E. Schmidt. 1,737,890; Dec. 3.
 Electrolytic cell. R. Edgeworth-Johnstone. 1,738,372; Dec. 3.
 Electron-discharge device. H. W. Jackson. 1,738,430; Dec. 3.
 Electron-discharge device and making the same. H. J. van der Bijl. 1,738,269; Dec. 3.
 Electrosensitive device. H. O. Holtz. 1,737,761; Dec. 3.
 Elevator: See—
 Well-lifting elevator.
 Elevators, Travel-control device for. E. B. Thurston. 1,738,215; Dec. 3.
 Engine: See—
 Internal-combustion engine, Rotary engine.
 Engine. T. S. Miller. 1,738,384; Dec. 3.
 Engine compressor. H. N. Schramm. 1,738,121; Dec. 3.
 Engine, pump, blower, or meter, Rotary. A. T. Macleay. 1,738,191; Dec. 3.
 Envelope for wax paper. W. I. Cubberley. 1,737,645; Dec. 3.
 Envelope, Greeting-card mailing and display. J. E. Goodbar. 1,738,182; Dec. 3.
 Expelling the sulphur dioxide from mixtures of sulphur dioxide and oil, Apparatus for continuously. P. Jodeck. 1,738,070; Dec. 3.
 Extensions upon tubes, Apparatus and method for forming. A. T. Hunter. 1,738,056; Dec. 3.
 Eye, Artificial. S. Marcus and A. Konoff. 1,738,192; Dec. 3.
 Eyeglass construction. F. A. Short. 1,737,979; Dec. 3.
 Fabric: See—
 Felt fabric.
 Fabric and making the same, Knitted. W. J. Wesseler. 1,738,486; Dec. 3.
 Fan diffuser. R. B. Respass. 1,738,078; Dec. 3.
 Fastener, Drawer. B. M. Holden. 1,738,004; Dec. 3.
 Fastener, Window. G. L. Parkins. 1,737,891; Dec. 3.
 Fastening device. F. P. Reidhaar. 1,737,730; Dec. 3.
 Feed barrier for mangers. W. Y. Hiter. 1,738,068; Dec. 3.
 Feed system for steam power plants, Closed. J. G. Weir. 1,738,507; Dec. 3.
 Felt fabric, Needled. T. S. McDermott. 1,737,607; Dec. 3.
 Fertilizer distributor. J. T. Urquhart. 1,738,085; Dec. 3.
 Fifth-wheel structure. A. P. Lee. 1,737,724; Dec. 3.
 Filament stretching and timing article, Combined. C. Nessler. Des. 80,041; Dec. 3.
 File folder. A. H. Schaffert. 1,738,120; Dec. 3.
 Filling device. R. H. Charlton. 1,737,641; Dec. 3.
 Filling mechanism. J. Kantor. 1,738,432; Dec. 3.
 Film, Motion-picture. V. D. Hill. 1,738,054; Dec. 3.
 Filter, Air. N. T. Hiestler. 1,737,587; Dec. 3.
 Filter, Air and gas. A. Jordahl. 1,738,249; Dec. 3.
 Filter bag. F. Olson. 1,738,114; Dec. 3.
 Firearm, Gas-operated automatic. F. T. Moore. 1,738,501; Dec. 3.
 Fishing-line signal. D. C. Derr. 1,737,921; Dec. 3.
 Fishing reel. G. J. Quahman. 1,738,204; Dec. 3.
 Flash light. J. L. Shannon. 1,738,122; Dec. 3.
 Flash light and alarm, Combined. F. H. Hedberg. 1,738,243; Dec. 3.
 Flexible coupling. R. G. Anderson. 1,738,416; Dec. 3.
 Floating head for tube nests. C. F. Braun. 1,737,564; Dec. 3.
 Floor, Composite. W. B. Jaspert. 1,737,589; Dec. 3.
 Floor protector, Porch. I. H. Taylor. 1,737,021; Dec. 3.
 Flow-detecting system. C. H. Ehlers. 1,737,835; Dec. 3.
 Fluid-pressure brake. C. C. Farmer and T. H. Thomas. Re17,509; Dec. 3.
 Fluid-pressure-operated motor. R. E. Boschert. 1,737,563; Dec. 3.
 Flying machine. P. Escobedo. 1,737,963; Dec. 3.
 Flying machine. H. D. Klinker. 1,738,010; Dec. 3.
 Folding table. J. W. Anderson. 1,737,821; Dec. 3.
 Follower for filing-cabinet drawers. A. Burger. 1,738,419; Dec. 3.
 Food-dispensing table. A. G. Rothman and C. H. Carter. 1,737,806; Dec. 3.

- Food product and making the same. C. H. Parsons. 1,737,770; Dec. 3.
 Food products, Purifying. E. H. Reynolds. 1,738,318; Dec. 3.
 Foot brace. J. A. Skoglund. 1,737,897; Dec. 3.
 Forgery-preventing means. H. A. Dwyer. 1,737,709; Dec. 3.
 Fork and weft-replenishing mechanism, Combined filling. W. H. Wakefield. 1,737,691; Dec. 3.
 Fountain: See—
 Drinking fountain. Watering fountain.
 Frame: See—
 Testing frame.
 Frame construction, Window. H. Purvis. 1,738,203; Dec. 3.
 Frame members of vehicle bodies, Joining. M. W. Moesta. 1,737,861; Dec. 3.
 Frame structure for motor-vehicle license plates. E. Anderson. 1,738,273; Dec. 3.
 Frequency changer. G. A. Locke. 1,738,253; Dec. 3.
 Frequency converter tie. R. A. Warner. 1,738,466; Dec. 3.
 Fringe. A. Holtz. Des. 80,031; Dec. 3.
 Fruit-picker's bag. E. R. Williams. 1,738,470; Dec. 3.
 Fuel burner. H. T. Iyer. 1,738,176; Dec. 3.
 Fuel burner. E. H. Peabody. 1,738,199; Dec. 3.
 Fuel vaporizer, Liquid. R. F. Lonaberger and C. F. Sands. 1,738,497; Dec. 3.
 Fuels, Atomizing liquid. W. W. Williams. 1,738,489; Dec. 3.
 Fuels, Retort for carbonizing bituminous. J. Plassmann. 1,737,681; Dec. 3.
 Furnace: See—
 Annealing furnace. Electric furnace.
 Continuous furnace. Heat annealing furnace.
 Furnace. T. MacLennan. 1,738,254; Dec. 3.
 Furnace cars, Sealing means for. F. T. Cope. 1,738,040; Dec. 3.
 Furring strip. H. F. Weiss. 1,738,469; Dec. 3.
 Furs, Process and agent for carotting. H. T. Leavenworth. 1,738,189; Dec. 3.
 Game. D. R. Scanlan. 1,738,265; Dec. 3.
 Game, Archery. A. B. Vaughan. 1,737,871; Dec. 3.
 Game board. R. E. Pasley. Des. 80,068; Dec. 3.
 Garden chair. E. Scott. Des. 80,055; Dec. 3.
 Garment. H. P. Eckstein. 1,737,923; Dec. 3.
 Garment. N. Hatch. 1,737,882; Dec. 3.
 Gas and liquid separator. H. P. Pinkham. 1,737,680; Dec. 3.
 Gas, Apparatus for administering. A. B. Dräger. 1,737,575; Dec. 3.
 Gas-flash-light apparatus. E. G. Viksten and K. A. B. Holm. 1,738,160; Dec. 3.
 Gas heater, Radiant. A. F. Thompson. 1,738,335; Dec. 3.
 Gas, Manufacturing carbureted water. P. T. Dashiell. 1,738,493; Dec. 3.
 Gas or the like venting device. F. P. Berger. 1,737,560; Dec. 3.
 Gases and vapors, Apparatus for the recovery of. O. L. Barney. 1,737,822; Dec. 3.
 Gate: See—
 Check gate.
 Gauge: See—
 Contact making gauge. Timing gauge.
 Gear for steam locomotives and like engines, Cam-operated balanced valve. J. Kupka. 1,738,435; Dec. 3.
 Gear, Friction-roller transmission. W. Zadow. 1,737,695; Dec. 3.
 Gear mechanism, Change. W. F. Groene. 1,737,881; Dec. 3.
 Gear-shifter mechanism. W. G. Stevens, jr. 1,738,402; Dec. 3.
 Gearing. A. T. Kasley. 1,738,251; Dec. 3.
 Generator: See—
 Oscillation generator. Vapor generator.
 Glass shield. O. L. McKinley. 1,737,934; Dec. 3.
 Glass and batches therefor, Producing heat-absorbing. W. H. Rising. 1,737,686; Dec. 3.
 Glass and making the same, Heat-absorbing borosilicate. W. H. Rising. 1,737,685; Dec. 3.
 Glass cutting. F. N. Campbell and J. Myatt. 1,738,228-9; Dec. 3.
 Glass, Method and apparatus for splining. E. Wellech. 1,738,217; Dec. 3.
 Golf bag. J. C. Hall. 1,737,967; Dec. 3.
 Grab. P. J. Bimst. 1,737,909; Dec. 3.
 Grade meter. I. H. Mercer. 1,737,936; Dec. 3.
 Greenhouse construction. J. N. Keeler. 1,737,766; Dec. 3.
 Grid. R. Hoffman. 1,738,297; Dec. 3.
 Grid for ice pans. J. R. Weeks and H. A. Greenwald. 1,738,162; Dec. 3.
 Grinding machine. G. Dickson. 1,737,707; Dec. 3.
 Grinding machine, Centerless. F. M. Kern. 1,737,852; Dec. 3.
 Guard, Cable. I. E. Quist. 1,738,447; Dec. 3.
 Gun, Automatic. C. Levé. 1,738,429; Dec. 3.
 Gun, Carriage. H. Holmington. 1,738,474; Dec. 3.
 Hammer, Claw. C. D. Cummings. 1,737,647; Dec. 3.
 Hammer, Electric. R. Riggs. 1,738,207; Dec. 3.
 Hammer with adjustable fulcrum. J. W. Carlson. 1,737,958; Dec. 3.
 Hammers, Attachment for. C. D. Cummings. 1,737,646; Dec. 3.
 Handle: See—
 Knife handle.
 Handling device, Loose-leaf. H. R. McCleary. 1,737,606; Dec. 3.
 Handsaw. K. A. and G. A. V. Wahlberg. 1,738,336; Dec. 3.
 Hardening metal articles by nitrogeneration. A. Fry. 1,737,711; Dec. 3.
 Harvesting machine. F. Fogarty. 1,738,238; Dec. 3.
 Harvesting machine. N. E. Nunnery. 1,738,388; Dec. 3.
 Heading machine. J. E. Prachy. 1,738,312; Dec. 3.
 Headlight. H. L. Cooke. 1,737,995; Dec. 3.
 Heat annealing furnace, Continuous. F. J. Winder. 1,738,130; Dec. 3.
 Heat-insulating and sound-deadening filler for building structures, Producing. O. E. Brownell. 1,737,957; Dec. 3.
 Heat-transfer apparatus. J. N. Jacobson. 1,737,849; Dec. 3.
 Heater: See—
 Air heater. Vapor oil heater.
 Gas heater. Water heater.
 Heater. H. C. Baker and A. Kaighin. 1,738,222; Dec. 3.
 Heater. H. D. Eaton. 1,737,834; Dec. 3.
 Heater. H. J. Sauvage. 1,737,732; Dec. 3.
 Heater construction. Water. F. L. O. Wadsworth. 1,738,087; Dec. 3.
 Heating apparatus, Electric fluid. H. A. Davies. 1,738,360; Dec. 3.
 Heating device. J. L. D. Keppy. 1,737,928; Dec. 3.
 Heating device. O. Zingg. 1,738,164; Dec. 3.
 Heating device, Rotary. F. T. Bogard. 1,737,912; Dec. 3.
 Heating element. L. A. M. Phelan. 1,738,150; Dec. 3.
 Heating unit. R. H. Beach. 1,737,633; Dec. 3.
 Heating unit. G. F. Wennagel and C. Thomas. 1,738,026; Dec. 3.
 Heel. A. R. Taylor. 1,737,812; Dec. 3.
 Heel, Rubber. J. O. Goodwin. 1,738,048; Dec. 3.
 High chair, Folding. H. A. Whiting, C. J. Hughes, and S. J. Maher. 1,738,339; Dec. 3.
 Hinge, Ball-bearing. S. W. Persons. 1,738,015; Dec. 3.
 Hoisting apparatus. C. O. Farnham. 1,737,753; Dec. 3.
 Holder, Blade. C. E. Gahagan. 1,738,365; Dec. 3.
 Holder, Clothespin. O. Nusser. 1,738,260; Dec. 3.
 Holder, Desk fountain-pen. I. Salz. 1,737,948; Dec. 3.
 Holder, Flower. H. H. Borchers. 1,737,991; Dec. 3.
 Holder for comparators, Tap. R. E. Flanders and R. O. Beardsley. 1,737,579; Dec. 3.
 Holder for leads of different kind, thickness, or color, Pen-cil. A. Kinzinger. 1,737,798; Dec. 3.
 Holder, Nail. O. Bretthaupt. 1,738,225; Dec. 3.
 Holder, Necktie. A. Audet. 1,737,632; Dec. 3.
 Holder, Picker. W. A. Saatman. 1,737,616; Dec. 3.
 Holding clip, Hot-top. A. R. Rowe. 1,738,209; Dec. 3.
 Homogenizing mill. W. Eppenbach. 1,738,288; Dec. 3.
 Hose connection. V. P. O'Connor. 1,737,941; Dec. 3.
 Hosery. R. Friedrich. Des. 80,027; Dec. 3.
 Hull construction. H. K. Kloess. 1,737,886; Dec. 3.
 Ice-cream cone. J. L. Balton. Des. 80,066-7; Dec. 3.
 Illumination, Street. P. S. Millar. 1,738,383; Dec. 3.
 Implement, Liquid-applying. M. J. D'Amore. 1,738,471; Dec. 3.
 Inclinator. F. J. Carlson. 1,737,638; Dec. 3.
 Inclosed switch. C. E. Hanny. 1,738,049; Dec. 3.
 Incubator. L. Hawkins. 1,738,368; Dec. 3.
 Index, Stepped-sheet binder. H. J. Mahrer. 1,738,306; Dec. 3.
 Indicator: See—
 Direction indicator. Station indicator.
 Route indicator.
 Indicator. M. F. G. Hoffmann. 1,737,657; Dec. 3.
 Inflating machine, Tire. R. W. Brown. 1,738,491; Dec. 3.
 Inking mechanism. H. A. W. Wood. 1,737,728; Dec. 3.
 Inserting machine. G. Sagoe. 1,738,119; Dec. 3.
 Insulator. A. O. Austin. 1,737,749; Dec. 3.
 Insulator. W. T. Goddard. 1,737,990; Dec. 3.
 Insulator. P. J. Kayatt. 1,738,009; Dec. 3.
 Internal-combustion engine. C. F. Heywood. 1,737,845; Dec. 3.
 Internal-combustion engine. A. R. Long. 1,737,599; Dec. 3.
 Internal-combustion engine. J. V. Rice, jr. 1,737,976; Dec. 3.
 Internal-combustion engine. C. W. Van Ranst. 1,738,159; Dec. 3.
 Iron: See—
 Waffle iron.
 Jack: See—
 Vehicle jack.
 Jewelry box. S. Szymanski. 1,738,333; Dec. 3.
 Joint: See—
 Rail joint.
 Key mechanism for wind musical instruments. F. A. Buescher. 1,738,351; Dec. 3.
 Knife, Channel. H. G. Olphand. 1,738,019; Dec. 3.
 Knife for fountain pens, Eraser. R. Laux. 1,738,496; Dec. 3.
 Knife handle. R. Le Gore. 1,737,656; Dec. 3.
 Knitting machine. V. Lombardi. 1,737,597-8; Dec. 3.
 Label for tubular cloth rolls, End. J. W. Little. 1,738,378; Dec. 3.
 Lamp. V. Raffaelli. Des. 80,050; Dec. 3.
 Lamp and filament-activity test for repeaters, Ballast. D. K. Gannett. 1,737,652; Dec. 3.

Lamp base. F. Collins. Des. 80,020; Dec. 3.
Lamp or similar article, Electric. A. von Frankenberg. Des. 80,060-1; Dec. 3.
Lamp, Supported and braced crypt. V. G. Pinaglia. Des. 80,048; Dec. 3.
Lantern, Electric. W. E. Jackson. 1,737,968; Dec. 3.
Latch for doors. G. W. Wells. 1,738,388; Dec. 3.
Lathe. V. Lachin. 1,738,436; Dec. 3.
Laundering apparatus. L. S. Smith. 1,738,326; Dec. 3.
Lawn sprinkler. W. L. Deming. 1,737,832; Dec. 3.
Leak detector and filler. Storage-battery liquid. L. W. Hulvo and G. A. Williams. 1,737,848; Dec. 3.
Legging. G. K. Hodges. 1,737,795; Dec. 3.
Lifter. See—
Pot lifter.
Light: See—
Automobile light. Flash light.
Light for railway cars. Marker. A. K. Pehrson. 1,738,016; Dec. 3.
Lighter. K. Schreier. 1,738,451; Dec. 3.
Lighter and base, Combined pyrophoric. L. V. Aronson. Des. 80,011; Dec. 3.
Lighter, Cigar. H. Esterow. 1,737,964; Dec. 3.
Lighter for cigars, cigarettes, and the like. H. T. Schiff. Des. 80,053; Dec. 3.
Lighters, Filling device for cigar and cigarette. J. Gastman. 1,738,181; Dec. 3.
Lighting fixture. D. N. Thompson. 1,737,622; Dec. 3.
Lighting fixture. J. F. Wenz. 1,738,129; Dec. 3.
Lining and forming same, Friction. T. L. Gathe. 1,738,291; Dec. 3.
Liquid delivery and pumping apparatus. P. Libby. 1,737,929; Dec. 3.
Liquid-dispensing apparatus. J. B. Davis. 1,737,996; Dec. 3.
Liquid-dispensing machine. F. T. Robert. 1,738,319; Dec. 3.
Liquid-separating apparatus. W. S. Edsall. 1,737,048; Dec. 3.
Liquids from wells, Delivering. G. Blow. 1,737,635; Dec. 3.
Loading device, work-. W. H. Wood. 1,738,027; Dec. 3.
Lock: See—
Cover lock. Tile lock.
Nut lock.
Lock. E. N. Jacobi. 1,738,105; Dec. 3.
Locking mechanism, Door-. W. F. Cremean. 1,737,920; Dec. 3.
Locking mechanism, Washing-machine-. W. W. Trinks. 1,738,506; Dec. 3.
Locomotive-control installation. T. E. and J. E. Clark. 1,737,551; Dec. 3.
Locomotive structure. W. O. Ashe. 1,737,697; Dec. 3.
Loom. E. B. Stott. 1,737,983; Dec. 3.
Loom for weaving knotted pile fabrics. F. Walters. 1,737,743; Dec. 3.
Loom for weaving terry fabric. E. H. Ryon. 1,737,688; Dec. 3.
Loom with regularly-moving transferer, Weft-replenishing. W. H. Wakfield. 1,737,692; Dec. 3.
Looms, Filling fork for. K. J. Enwin. 1,737,690; Dec. 3.
Looms, Name dobby for. A. A. Gordon. 1,737,655; Dec. 3.
Looms, Shedding mechanism for. R. G. Turner. 1,737,689; Dec. 3.
Looms, Tuft placer for pile-fabric. E. E. Clark. 1,737,642; Dec. 3.
Loud-speaker. H. Perla and L. Baron. 1,737,864; Dec. 3.
Loud-speakers, Actuating device for. J. M. High, Jr. 1,738,370; Dec. 3.
Lubricant. J. P. Baldwin. 1,737,555; Dec. 3.
Lubricant-exPELLING cup. P. H. Fuller. 1,737,838; Dec. 3.
Lubricating means for machines. W. A. Cook. 1,737,571; Dec. 3.
Lubricator: See—
Pressure lubricator.
Lubricator. E. P. Collins. 1,737,570; Dec. 3.
Machine and method for manufacturing heels. A. R. Taylor. 1,737,811; Dec. 3.
Machine for and method of hardening hat bats. H. A. Genest. 1,738,494; Dec. 3.
Machine for applying nuts to screws, bolts, and studs. R. S. Crosby and F. E. Newton. 1,737,876; Dec. 3.
Machine for counting and packaging articles. R. S. Crosby and F. E. Newton. 1,737,877; Dec. 3.
Machine for cutting a moving web into strips. W. E. Molins. 1,738,076; Dec. 3.
Machine for cutting threads upon screw blanks. P. L. Stenman. 1,737,739; Dec. 3.
Machine for grinding valves and analogous objects. J. H. Littler. 1,738,011; Dec. 3.
Machine for making flat noodles. L. De Vito. 1,738,261; Dec. 3.
Machine for making hollow-base tires or other rubber articles. W. C. Stevens. 1,738,505; Dec. 3.
Machine for making index tubes, Method of and. R. E. Taber. 1,738,334; Dec. 3.
Machine for moistening cloth. D. Gessner. 1,737,790; Dec. 3.
Machine for operating upon insoles. F. H. Perry. 1,737,728; Dec. 3.
Machine for operating upon soles. A. D. Willhauck. 1,737,745; Dec. 3.
Machine for producing insulating sleeves. J. W. Chan-nell. 1,737,640; Dec. 3.

Machine for setting up cartons. M. Burger. 1,738,034; Dec. 3.
Machine for spinning, Preparing. 1,738,099; Dec. 3.
Machine for wrapping caramels and like articles. A. G. Rose. 1,738,079; Dec. 3.
Machine forming articles from sheet material. B. M. Fine. 1,737,789; Dec. 3.
Mailing machine. J. W. Ogden, C. C. Lund, and W. H. Wheeler, Jr. 1,737,670; Dec. 3.
Mandrel for use in machines for making artificial straws and other tubes. C. Casey. 1,738,035; Dec. 3.
Marine propulsion, High-pressure-hydraulic. F. Mauquol. 1,738,013; Dec. 3.
Marker, Land. L. W. Chase. 1,738,231; Dec. 3.
Marker, Rope. J. B. Reber. 1,738,316; Dec. 3.
Material-moving apparatus. J. B. Schaub. 1,738,211; Dec. 3.
Measuring receptacle, Culinary. A. F. L. Schmidt. 1,737,735; Dec. 3.
Metal, Expanding. H. M. Gersman. 1,737,998; Dec. 3.
Metal feeder. C. W. Reagan. 1,737,865; Dec. 3.
Metallic element. L. W. McKeehan. 1,738,307; Dec. 3.
Meter: See—
Grade meter.
Meter. M. Smith. 1,737,808; Dec. 3.
Meter for concrete-mixing machines. J. Eggert. 1,738,045; Dec. 3.
Micrometer caliper and depth gauge, Combined. J. H. Jacobs. 1,737,764; Dec. 3.
Milk-dehydrating process, Cold-. E. Baker. 1,738,275; Dec. 3.
Mill: See—
Homogenizing mill. Rolling mill.
Minnow for fishing, Artificial. H. Rendman. 1,737,683; Dec. 3.
Mixer box. S. D. Pealer. 1,738,200; Dec. 3.
Mixing apparatus. A. D. MacLellan. 1,738,440; Dec. 3.
Mixing machine. C. Nielsen. 1,737,609; Dec. 3.
Modulating carrier wave by photo-electric currents. O. Schriever. 1,738,397; Dec. 3.
Mold: See—
Cylinder mold.
Mold charges, Apparatus for producing. W. J. Miller. 1,738,479; Dec. 3.
Mold charges of molten glass, Apparatus for producing. W. J. Miller. 1,738,499; Dec. 3.
Mortising machine. R. L. Carter. 1,738,227; Dec. 3.
Motor: See—
Electric motor. Fluid-pressure-operated motor.
Motor. B. Ames. 1,737,820; Dec. 3.
Motor controller. E. W. Seeger. 1,738,155; Dec. 3.
Mower, Lawn. C. A. Olson. 1,738,480; Dec. 3.
Musical instrument. W. Blank. 1,737,910; Dec. 3.
Musical instruments, Key-valve pad for. W. H. Grant. 1,737,960; Dec. 3.
Necklaces and the like, Connector for. G. W. Jenckes. 1,738,371; Dec. 3.
Nozzle, Air-brush. A. Shelburne. 1,737,896; Dec. 3.
Nozzle apparatus, Jet-. C. B. Reynolds. 1,737,684; Dec. 3.
Nozzle for viscous fuels in Diesel engines, Injecting. R. Gaupp. 1,737,653; Dec. 3.
Nozzle, Liquid-fuel-burner. A. V. Rigby. 1,737,945; Dec. 3.
Nozzle, Spray. J. F. Curtis. 1,737,831; Dec. 3.
Nut lock. J. A. Prussen. 1,738,482; Dec. 3.
Nut machine. G. S. Smith. 1,738,124; Dec. 3.
Oil feeding and discharge means for oil burners. G. W. Stark. 1,738,082; Dec. 3.
Oil, Flowing. E. P. Reynolds. 1,737,894; Dec. 3.
Oil, Heating. J. Primrose. 1,738,263; Dec. 3.
Oils into lighter oils, Converting heavier. R. H. J. Black. 1,737,634; Dec. 3.
Oils, Treating and purifying hydrocarbon lubricating. W. M. Stratford. 1,738,330; Dec. 3.
Opener and drinking attachment, Combined bottle-cap. E. B. Clark. 1,737,828; Dec. 3.
Opener, Oyster and clam. W. P. Vanace. 1,737,626; Dec. 3.
Ores, Concentration of. R. S. Handy. 1,737,716; Dec. 3.
Ores, Treatment of. D. H. McIntosh. 1,737,888; Dec. 3.
Oscillating system. G. H. Schleferstein. 1,737,772; Dec. 3.
Oscillation generator. L. E. Barton. 1,738,346; Dec. 3.
Oscillator, Piezo-electric crystal. A. Crossley. 1,738,041; Dec. 3.
Paper-making machine. M. R. Ware. 1,737,781; Dec. 3.
Parachute. C. Broadwick. 1,737,913; Dec. 3.
Paria green insecticide. B. F. Wallace. 1,738,089-90; Dec. 3.
Pasters, Making high-speed. E. W. Hammer. 1,738,002; Dec. 3.
Pen and pencil, Combination. H. E. Haught. 1,738,367; Dec. 3.
Pencil. F. C. Dell. 1,738,173; Dec. 3.
Pen, Fountain. J. L. H. Wilson. 1,737,954; Dec. 3.
Penholder and desk pad, Combined. M. Kahn. Des. 80,033; Dec. 3.
Perforating machine. P. A. Juul. 1,737,851; Dec. 3.
Phenol, Manufacture of. W. J. Hale and E. C. Britton. 1,737,841; Dec. 3.
Phenolic condensation products and preparing same. O. A. Cherry. 1,737,917; Dec. 3.
Phenolic condensation products and producing same. O. A. Cherry and F. Kurath. 1,737,916; Dec. 3.

Phenols, Making. W. J. Hale and E. C. Britton. 1,737,842; Dec. 3.
Phonograph. A. V. Bodine. 1,738,061; Dec. 3.
Photo-amplifying system. R. H. Ranger. 1,738,315; Dec. 3.
Photograph case. B. Miller. 1,737,725; Dec. 3.
Photographic apparatus. V. D. Hill. 1,738,053; Dec. 3.
Photographic apparatus adapted for view-taking enlargements and screen projection. E. Oehmichen. 1,738,445; Dec. 3.
Picker: See—
Cotton picker.
Picking apparatus. S. L. Williams. 1,738,412; Dec. 3.
Pie vent. E. D. Brewer. 1,738,226; Dec. 3.
Piling mechanism, Cloth-. W. F. Twaddle. 1,738,084; Dec. 3.
Pipe-cutting apparatus and method. C. C. McKnight and F. H. Koch. 1,737,889; Dec. 3.
Pipe protector, Antifriction. G. E. Fentress. 1,737,578; Dec. 3.
Piston. P. Butcher. 1,738,352; Dec. 3.
Piston. A. C. Carrillo. 1,737,915; Dec. 3.
Piston. F. M. Howe. 1,737,658; Dec. 3.
Piston, Automatic take-up. G. R. Feigel. 1,738,047; Dec. 3.
Platen for addressing machines, Adjustable. P. A. Gollnick, C. E. Ives, F. W. Broderick, and F. C. Arey. 1,737,878; Dec. 3.
Plow, Gang. W. S. Graham. 1,737,880; Dec. 3.
Plow shield. J. J. Capel. 1,738,230; Dec. 3.
Plows, Attachment for. P. D. Ellis. 1,738,364; Dec. 3.
Plug, Fuse. H. F. Delmanhorst. 1,738,174; Dec. 3.
Pocketbook top. C. J. McCabe and I. Schoenholz. Re17514; Dec. 3.
Polishing and finishing attachment, Cylinder-bore. R. L. Meaux. 1,738,443; Dec. 3.
Polishing apparatus. J. P. Saporiti. 1,738,394; Dec. 3.
Poster sign. U. F. Fultz. Des. 80,028; Dec. 3.
Pot lifter, Adjustable. A. Palmquist. 1,737,769; Dec. 3.
Potato digger. R. McCluskey. 1,738,074; Dec. 3.
Pouch, Letter-carriers. F. P. Evans. 1,738,426; Dec. 3.
Power-generating system, Electric. H. Geisen. 1,737,791; Dec. 3.
Power mechanism. F. W. Ott. 1,737,768; Dec. 3.
Power plate presses, Bed-drawing mechanism for. A. J. Horton and C. F. Gravenhorst. 1,738,055; Dec. 3.
Power system. D. E. Jewitt. 1,738,433; Dec. 3.
Press: See—
Cable press. Printing press.
Press attachment for feeding roll leaves. R. Lange. 1,737,593; Dec. 3.
Pressure bags from pneumatic-tire casings, Apparatus for use in removing. W. C. Stevens. 1,738,504; Dec. 3.
Pressure lubricator, High-. C. G. Butler. 1,737,783; Dec. 3.
Preventing fires in the vicinity of electric switches, Method and apparatus for. G. A. Burnham. 1,737,637; Dec. 3.
Printer, Photographic-film. H. O. Carleton. 1,738,095; Dec. 3.
Printing device, Insert-. A. Gydesen, K. A. Froberg, and W. J. Keenan. 1,737,925; Dec. 3.
Printing machine. J. E. Johnson. 1,738,721; Dec. 3.
Printing machine particularly for tickets, tickets of admission, receipts, and the like. G. Corse. 1,738,422; Dec. 3.
Printing machine, Photographic. W. A. Flower. 1,737,965; Dec. 3.
Printing press, Multicolor-. D. J. Scott. 1,738,323-4; Dec. 3.
Printings, Producing fast. A. Zitscher and F. Murlis. 1,737,905; Dec. 3.
Protection apparatus. L. W. Bowen. 1,737,993; Dec. 3.
Propagating device, Portable and extensible. G. E. Edwards. 1,738,363; Dec. 3.
Propelling means, Boat-. M. W. Weir. 1,738,410; Dec. 3.
Protective device for motor bearings, Fusible. J. L. M. Zimmerman. 1,737,629; Dec. 3.
Pulping process, Chemical. B. Johnson. 1,737,590; Dec. 3.
Pulverizer, Centrifugal. O. A. Kreutzberg. 1,737,854; Dec. 3.
Pulverizing material, Apparatus for. W. J. A. London. 1,737,800; Dec. 3.
Pump. W. Nelson. 1,738,309; Dec. 3.
Pump. A. S. Telfer. 1,737,870; Dec. 3.
Pump, Ejector. H. J. Kroscoff. 1,737,887; Dec. 3.
Pump, Fluid. H. W. Landenberger and E. Cannon. 1,738,375; Dec. 3.
Pump, Fuel. J. Mahler. 1,737,602; Dec. 3.
Pump or motor, Rotary fluid. T. J. Pagel. 1,737,942; Dec. 3.
Pump plunger valve and stem. H. S. Berkey. 1,738,167; Dec. 3.
Pump, Rotary. L. P. Barlow. 1,738,345; Dec. 3.
Pump, Well. T. C. Bannan. 1,738,136; Dec. 3.
Pusher for screw machines. F. H. M'Iligan. 1,737,007; Dec. 3.
Quick-acting coupling. A. L. Wallace. 1,738,216; Dec. 3.
Quick-acting regulator. H. Gittinger. 1,738,102; Dec. 3.
Rack: See—
Advertising rack.
Burning rack.
Rack attachment, Burning-. H. T. Bebb. 1,738,031; Dec. 3.
Radiator. R. H. Beach. 1,737,557; Dec. 3.
Radiator. R. R. Goshorn. 1,738,100; Dec. 3.
Radiator cap, Automobile. A. Sebek. Des. 80,056; Dec. 3.
Radiator shell. J. Tjaarda. Des. 80,057; Dec. 3.
Radiators, Shutter mechanism for automobile. C. J. Rood. 1,737,946; Dec. 3.
Radio apparatus. W. M. Brower. 1,737,824; Dec. 3.
Radio apparatus. G. O. Wilma. 1,737,908; Dec. 3.
Radio circuit. B. C. Comfort. 1,738,232; Dec. 3.
Radio communication, Method of and arrangement for stray elimination in. J. Weinberger. 1,738,337; Dec. 3.
Radio printing-telegraph system. R. S. Ohi. 1,737,672; Dec. 3.
Radio printing-telegraph system, Multichannel. R. S. Ohi. 1,737,671; Dec. 3.
Radio receiving apparatus. R. V. Judson, C. C. Davis, and E. O. Klemm. 1,738,172; Dec. 3.
Radio receiving apparatus, Interference-reducing means for. R. H. Ranger. 1,738,392; Dec. 3.
Radio receiving systems, Method and apparatus for remotely controlling. W. T. Powell. 1,738,262; Dec. 3.
Rail joint. J. A. McGrew. 1,738,075; Dec. 3.
Rail joint. J. P. Northey. 1,737,669; Dec. 3.
Rail joint and lock nut, Combined. W. H. Rex and F. P. Woodward. 1,738,116; Dec. 3.
Railway-switch-point protector. W. J. Trego. 1,737,984; Dec. 3.
Razor and blade magazine therefor, Safety. I. R. Allen. 1,737,696; Dec. 3.
Razor blades, Method and blank for making safety. M. B. Behrman and R. T. Pollock. 1,738,032; Dec. 3.
Receptacle, Smoker's. H. A. Bernhardt. Des. 80,012; Dec. 3.
Reclining chair. C. B. Rector. 1,738,115; Dec. 3.
Records, Forming disk phonograph. A. D. Smith. 1,737,619; Dec. 3.
Rectifier. T. F. Cheney. 1,738,169; Dec. 3.
Rectifier for alternating current. C. E. Ogden. 1,738,113; Dec. 3.
Rectifier system. J. C. Schelleng. 1,738,266; Dec. 3.
Reduction of the swelling capacity of hydrated cellulose and the resulting product. C. Heuck and P. Esselmann. 1,737,760; Dec. 3.
Reel: See—
Fishing reel.
Reeling machine. I. Cohen. 1,738,170; Dec. 3.
Refining wood rosin. I. W. Humphrey and L. N. Bent. 1,737,763; Dec. 3.
Reflector for automobile headlights. L. C. Laurent. 1,738,304; Dec. 3.
Reflector, Light. E. L. Finkelstein. 1,738,426; Dec. 3.
Refrigerating apparatus. E. O. Stout. 1,738,126; Dec. 3.
Refrigerating system. G. F. Zellhoefer. 1,738,270; Dec. 3.
Refrigerating system. G. F. Zellhoefer. 1,738,342; Dec. 3.
Refrigeration. F. O. Conill. 1,738,233; Dec. 3.
Refrigeration, Mechanical. C. C. Spreen. 1,737,776; Dec. 3.
Refrigerator. S. Kaye and C. A. Frick. 1,738,476; Dec. 3.
Regulator: See—
Quick-acting regulator.
Relay. H. M. Stevens. 1,738,461; Dec. 3.
Removing cloud-forming materials from hydrocarbon oils. C. L. Suhr and W. S. Zehrung. 1,737,737; Dec. 3.
Removing plaster of Paris casts from the human body, Device for. C. and R. D. Altman and H. V. Parker. 1,737,552; Dec. 3.
Rendering appliance. A. C. Spooner. 1,737,738; Dec. 3.
Resin and making same, Synthetic. E. E. Norvotny and C. J. Romieux. 1,738,310; Dec. 3.
Resistance element. W. B. Smits. 1,738,456; Dec. 3.
Resonating dancing plate. J. Esmonde. 1,738,177; Dec. 3.
Respirator. E. I. McKesson. Re17,512; Dec. 3.
Rest and exercising appliance for infants. O. P. Welch. 1,738,411; Dec. 3.
Rifle, Magazine. J. D. Pedersen. 1,737,974; Dec. 3.
Rim, Wheel. W. C. Tunno. 1,737,742; Dec. 3.
Roadbed construction for street railways and constructing the same. W. P. Day. 1,738,043; Dec. 3.
Roasting spit, Electrically-operated. M. H. Spielman. 1,738,328; Dec. 3.
Roasting spit. G. Coryell. 1,737,785; Dec. 3.
Roof covering. G. Ritter. 1,737,977; Dec. 3.
Roof of motor cars and like vehicles of the enclosed or saloon type. H. N. Barnes. 1,738,060; Dec. 3.
Roofing. W. H. Houghton. 1,738,006; Dec. 3.
Rope, Automobile towing. H. H. Krehmer. 1,738,374; Dec. 3.
Rope-slicing device. J. Strzvezkowski. 1,738,331; Dec. 3.
Rope tie, Automatic adjustable. W. G. Phillips. 1,737,678; Dec. 3.
Rotary engine. D. M. Rothenberger. 1,738,320; Dec. 3.
Route indicator. W. L. Windsor, 3d. 1,738,413; Dec. 3.
Rubber from scrap, Reclaiming. L. T. Smith. 1,737,775; Dec. 3.
Safety abutment, Quick-acting. A. E. Weingartner. 1,738,409; Dec. 3.
Safety control, Determined travel. E. B. Thurston. 1,738,214; Dec. 3.
Safety device for submarines. E. L. Moody. 1,738,385; Dec. 3.
Safety device, Submarine. J. Blanchet. 1,738,093; Dec. 3.
Safety pressure-actuated switch. I. E. McCabe. 1,737,859; Dec. 3.

Salt and pepper shaker, Combined. A. J. Flaider. Des. 80,026; Dec. 3.
 Sander machine, Hand. E. I. and E. I. Dodds, jr. 1,738,062-3; Dec. 3.
 Sausage rolls, Making. H. Kornreich. 1,738,301; Dec. 3.
 Saw for bark-peeling machines, Self-cleaning. W. Harper. 1,738,067; Dec. 3.
 Saw tooth, Inserted. E. C. Orr. 1,738,149; Dec. 3.
 Screen: See—
 Window screen.
 Screen device, Window. R. Wolzenski. 1,738,131; Dec. 3.
 Screw driver. B. Thal. 1,738,405; Dec. 3.
 Seal. F. Keldel. 1,738,252; Dec. 3.
 Seeder. J. W. Briel, jr. 1,738,349; Dec. 3.
 Separating materials of varying degrees of conductivity, Apparatus for. R. Sherer. 1,738,399; Dec. 3.
 Separator: See—
 Centrifugal separator.
 Gas and liquid separator.
 Sewage, Method of and apparatus for purifying. J. R. Dawies. 1,738,362; Dec. 3.
 Sewing machines, Cutting attachment for. A. Krasa. 1,738,186; Dec. 3.
 Sewing machines, Thread-controlled stopping device for. J. F. Gail. 1,738,142; Dec. 3.
 Shade. W. Von Nessen. Des. 80,062; Dec. 3.
 Sharpening, Disk-harrow. F. F. Hill. 1,738,003; Dec. 3.
 Sharpener for feed cutters. C. A. and M. Holm. 1,738,005; Dec. 3.
 Sheet and making same, Waterproof. L. Kirschbraun. 1,738,509; Dec. 3.
 Shelf, Price-tag-supporting. L. E. Larche. 1,738,376; Dec. 3.
 Shirt. J. W. Champion. 1,737,875; Dec. 3.
 Shirt. G. E. Schoman. 1,737,617; Dec. 3.
 Shock absorber for vehicles. J. F. O'Connor. 1,737,613; Dec. 3.
 Shoe. R. Anderson. 1,737,748; Dec. 3.
 Shoe. E. F. Mathews. Des. 80,039; Dec. 3.
 Shoe. L. Pignoneill. 1,737,679; Dec. 3.
 Shoe-shank stiffener. R. E. Bartels. 1,737,556; Dec. 3.
 Shoes, Method for use in the manufacture of turned. H. Newmann. 1,737,727; Dec. 3.
 Sifter top. C. G. Arvidson. 1,737,548; Dec. 3.
 Sign, Advertising and like. G. F. Whippy, D. J. Hooper, and W. H. T. Manley. 1,738,468; Dec. 3.
 Sign and display apparatus, Changing. L. E. de Mole. 1,737,573; Dec. 3.
 Sign for automobiles, Illuminated name. N. Martin. 1,737,858; Dec. 3.
 Signal: See—
 Alarm signal.
 Train signal.
 Fishing-line signal.
 Signal device. E. S. Anderson. 1,737,631; Dec. 3.
 Signaling. T. F. Farrington. 1,738,235; Dec. 3.
 Signaling device, Intermittently-operated. L. A. Kille. 1,738,299; Dec. 3.
 Signaling mechanism. J. A. Wellington. 1,737,987; Dec. 3.
 Signaling system. L. F. Morehouse and E. F. Watson. 1,737,608; Dec. 3.
 Signature-gathering machine. P. A. Frazier. 1,738,180; Dec. 3.
 Slitting machine. J. A. Cameron and R. McC. Johnstone. 1,738,353; Dec. 3.
 Smoking and vanity case for an automotive vehicle, Combined. W. Schnell. Des. 80,054; Dec. 3.
 Smoking stand. A. von Frankenber. Des. 80,059; Dec. 3.
 Socket and grip, Lamp. W. A. Wulle. 1,738,341; Dec. 3.
 Socket, Lamp. G. W. Goodridge and G. B. Thomas. 1,738,266; Dec. 3.
 Socket, Vacuum-tube. M. Alden. 1,738,028; Dec. 3.
 Sole-fitting machine. H. A. Ballard. 1,737,698; Dec. 3.
 Sole, Inner. C. N. Prouty. 1,737,682; Dec. 3.
 Sole, Ribbed inner. P. W. Valentine. 1,737,986; Dec. 3.
 Sound-locating apparatus. G. A. Caldwell and J. C. Birchall. 1,738,094; Dec. 3.
 Sound, Tactile reception of. H. Fletcher. 1,738,289; Dec. 3.
 Spacing device, Variable line. J. R. Lyle. 1,737,801; Dec. 3.
 Spinning frames, Roving traverse mechanism for. J. A. Kooistra. 1,737,592; Dec. 3.
 Spokeshave. F. L. Mayer. 1,738,108; Dec. 3.
 Spotlight. A. Caminetti, jr. 1,737,914; Dec. 3.
 Spout. T. Petersen. 1,738,077; Dec. 3.
 Spray gun. E. S. Sachsenmaier. 1,737,895; Dec. 3.
 Spreading and feeding fibrous plant stalks and the like, Device for. F. P. Gardner. 1,737,584; Dec. 3.
 Spring bushing. J. L. Collins. 1,738,037; Dec. 3.
 Spring undercutter. A. F. Dougan. 1,737,708; Dec. 3.
 Sprinkler: See—
 Lawn sprinkler.
 Sprinkler head. W. A. Sutfin. 1,738,332; Dec. 3.
 Stairway, Sliding. E. C. Loetscher. 1,737,799; Dec. 3.
 Stake or upright for trucks, cars, and the like, Folding. W. R. McCord. 1,738,109; Dec. 3.
 Stamp with counting mechanism for printing purposes of any kind, Rolling. H. Komuslin, née Liedtke. 1,738,373; Dec. 3.
 Stand: See—
 Display stand.
 Stand. I. F. Petigor. 1,737,729; Dec. 3.

Stands, Head for smoking. E. E. Ekvall. Des. 80,023; Dec. 3.
 Standard. F. Barney. 1,738,276; Dec. 3.
 Standpipe for fire hose, Turret. J. T. Corley. 1,738,421; Dec. 3.
 Starter, Engine. W. L. McGrath. 1,737,802; Dec. 3.
 Starting mechanism. H. G. Steinmetz. 1,737,868; Dec. 3.
 Station indicator, Automatic. A. G. Guastello. 1,738,241; Dec. 3.
 Steam condenser. A. R. Smith. 1,738,455; Dec. 3.
 Steam or other vapors, Apparatus for supplying. P. M. Cabell. 1,737,826; Dec. 3.
 Steering mechanism for spring-supported vehicles. O. F. Lundellus and M. N. Leifer. 1,737,856; Dec. 3.
 Stock-quotation-projecting machine. B. A. Proctor. 1,738,313; Dec. 3.
 Stoker, Locomotive. N. M. Lower. 1,738,379; Dec. 3.
 Stop device, Automatic. G. W. Haman. 1,738,103; Dec. 3.
 Storage and carrier device, Pastry. F. B. Eakle. 1,738,424; Dec. 3.
 Storage tank. B. S. Snow. 1,738,213; Dec. 3.
 Store front. I. P. Pearlman. Des. 80,042; Dec. 3.
 Stove, Circulating heating. G. E. Kickup. Des. 80,047; Dec. 3.
 Stoves and the like, Fuel-burner attachment for. H. J. Halder. 1,738,184; Dec. 3.
 Street-indicating and advertising device. T. Theoharis and J. Fotakis. 1,737,900; Dec. 3.
 Substances having a decorative effect, Manufacture of. J. Palsseau. 1,737,943; Dec. 3.
 Sulfate and lead chloride into lead carbonate, Conversion of lead. S. C. Smith. 1,738,081; Dec. 3.
 Support and anchor for tractor hoists. S. B. Gorbitt. 1,737,840; Dec. 3.
 Support, Curtain-rod and shade-roller. J. A. Williams. 1,738,091; Dec. 3.
 Support, Floral-pillow. S. Shuko. 1,738,454; Dec. 3.
 Support for bedsteads, Canopy. R. M. Maness. 1,737,664; Dec. 3.
 Support, Golf-bag. W. H. Gunther. 1,738,242; Dec. 3.
 Support, Insulating. S. H. Lanyon. 1,738,188; Dec. 3.
 Support, Pipe. G. Wollenschlager. 1,737,989; Dec. 3.
 Support, Upholstery. S. L. Warren. 1,737,815; Dec. 3.
 Support, Work. V. E. Hipperson and J. Gouldhour. 1,737,719; Dec. 3.
 Supporting bracket for visor glasses. S. Trolle. 1,737,814; Dec. 3.
 Supporting clip, Plant. J. W. Bauer. 1,737,873; Dec. 3.
 Suppository. W. L. Schaaf. 1,737,949; Dec. 3.
 Switch: See—
 Electric switch.
 Inclosed switch.
 Electrical switch.
 Safety pressure-actuated switch.
 Switch and operating means therefor, Electric. G. R. Townsend. 1,738,406; Dec. 3.
 Switch and venting system therefor, Electric. C. D. Ainsworth. 1,737,955; Dec. 3.
 Switch for automobile signals, Interlocking and tripping. O. J. Simler. 1,738,401; Dec. 3.
 Switch mechanism. H. Sengebusch. 1,737,807; Dec. 3.
 Switch mechanism, Alarm. M. Bonnell. 1,738,508; Dec. 3.
 Swivel, Hydraulic. H. M. Harris. 1,737,793; Dec. 3.
 Syringe, Hypodermic. I. Kulik. 1,738,146; Dec. 3.
 Syringe, Hypodermic. J. MacGregor. 1,737,857; Dec. 3.
 Syringe, Sanitary. S. Porter. 1,738,152; Dec. 3.
 Table: See—
 Adjustable table.
 Folding table.
 Coffee table.
 Food-dispensing table.
 Table for cross-roll mills, Conveyor. L. A. Woodard. 1,738,340; Dec. 3.
 Table top. E. E. Ekvall. Des. 80,024; Dec. 3.
 Tablet, Desk. H. C. Currier. 1,738,139; Dec. 3.
 Talking-machine drive. I. L. Bancalari. 1,738,417; Dec. 3.
 Tank: See—
 Storage tank.
 Wading tank.
 Tank construction. R. J. Gazelle. 1,737,712; Dec. 3.
 Tank construction. G. Raymond. 1,738,483; Dec. 3.
 Tank fill box. J. B. Holston. 1,738,069; Dec. 3.
 Tape moistener. A. H. Reiber. 1,737,805; Dec. 3.
 Teeth, Artificial. H. J. Goslee. 1,737,715; Dec. 3.
 Telegraph relay and sounder. O. B. Emerson. 1,737,962; Dec. 3.
 Telegraph system, Submarine duplex. J. J. Gilbert. 1,738,292; Dec. 3.
 Telephone-cord take-up. H. Sebell. 1,737,978; Dec. 3.
 Telephone-exchange system. C. B. Fowler. 1,738,290; Dec. 3.
 Telephone system. T. F. Crocker. 1,738,358; Dec. 3.
 Telephone system. J. W. Gooderham. 1,738,294; Dec. 3.
 Telephone system. E. E. Hinrichsen. 1,738,245; Dec. 3.
 Telephone system. L. H. Johnson. 1,738,298; Dec. 3.
 Telephone system. J. A. Kreck. 1,738,302; Dec. 3.
 Telephone system. C. E. Lomax. 1,737,930; Dec. 3.
 Telephone system. V. S. Tharp. 1,738,059; Dec. 3.
 Television. H. E. Ives. 1,738,007; Dec. 3.
 Temperature-changing unit. R. H. Beach. 1,737,558; Dec. 3.
 Tent construction. C. M. Wickstrum. 1,738,219; Dec. 3.
 Terminal mounting, Contact. V. R. Despard and H. C. R. Popp. 1,738,140; Dec. 3.
 Terra-cotta articles, Making. A. F. Hottinger. 1,737,847; Dec. 3.
 Testing frame. A. M. Brenne. 1,737,565; Dec. 3.

Testing prime movers, System and apparatus for. C. F. Scott. 1,738,452; Dec. 3.
 Testing the flux of materials under heat. C. J. Rukenbrod. 1,738,321; Dec. 3.
 Textile fabric. G. H. Perkins. Des. 80,043-6; Dec. 3.
 Textile fabric, Printed. W. H. Adams. Des. 80,017; Dec. 3.
 Textile strands, Apparatus for making. J. C. Coram. 1,738,098; Dec. 3.
 Thermal control of alternating-current electromagnetic devices. G. H. Whittingham. 1,738,488; Dec. 3.
 Thermal cut-out. G. W. O'Keeffe. 1,737,673-4; Dec. 3.
 Thermionic tube. M. Osmos. 1,738,300; Dec. 3.
 Thermionic tube, High-power. J. Bethenod. 1,738,348; Dec. 3.
 Ticket-delivering apparatus, Railway. E. Marchthal. 1,737,932; Dec. 3.
 Ticket-validating device. R. H. Helsel. 1,738,244; Dec. 3.
 Tie: See—
 Frequency-converter tie.
 Tie plate. B. F. Beckman. 1,737,559; Dec. 3.
 Tie lock. C. T. Carlson. 1,738,283; Dec. 3.
 Timing gauge, Engine. C. Muzyn. 1,737,726; Dec. 3.
 Tire-head-building machine. F. B. Pfeiffer and J. W. White. 1,738,018; Dec. 3.
 Tire building machine, Flat-band. W. C. Stevens. 1,738,503; Dec. 3.
 Tire for car wheels and scraper therefor, Ice-cutting. R. K. Tennant. 1,738,404; Dec. 3.
 Toggle bolt. G. H. Anderson. 1,738,133; Dec. 3.
 Tone-modifying attachment for phonographs. W. V. Dougherty. 1,737,788; Dec. 3.
 Tongs, Lifting. F. G. Peck. 1,737,614; Dec. 3.
 Tool and detachable bit, Drilling. E. S. McCullough and A. B. Smith. 1,738,382; Dec. 3.
 Tool, Automobile valve. L. E. Fix. 1,738,178; Dec. 3.
 Tool, Combination. A. I. Chiske. 1,737,827; Dec. 3.
 Tool, Cutting. A. Benson. 1,737,990; Dec. 3.
 Tool, Electric testing. C. A. Dirksen. 1,738,287; Dec. 3.
 Tool for boiler flues, Beading. J. R. Furstenburg. 1,737,583; Dec. 3.
 Tool, Shoe-ironing. W. A. Copeland. 1,738,285; Dec. 3.
 Toothbrush and dental floss holder, Combined. A. M. C. Oliver. 1,738,389; Dec. 3.
 Toy. H. H. Bell. 1,738,347; Dec. 3.
 Toy bank. J. M. Nelson. Des. 80,040; Dec. 3.
 Toy locomotive, Smoking. R. C. Dombrow. 1,737,787; Dec. 3.
 Toy, Rolling. W. C. Farnum. 1,737,651; Dec. 3.
 Tractor. S. A. Burris. 1,737,568; Dec. 3.
 Train-pipe coupling, Automatic. J. Robinson. 1,737,687; Dec. 3.
 Train signal, Mechanical. R. E. Barrett. 1,738,278; Dec. 3.
 Transferring freight, Method and apparatus for. A. F. Callison. 1,737,994; Dec. 3.
 Transformer, Lateral-drive speed. L. E. G. Buehler. 1,737,567; Dec. 3.
 Transmission of power. C. G. Garrard. 1,737,997; Dec. 3.
 Transmission, Volume control of. E. I. Green. 1,738,000; Dec. 3.
 Trap: See—
 Animal trap.
 Tray, Car-service. M. A. Wittlinger. 1,738,415; Dec. 3.
 Treatment of Mountain wax. W. Pungs and M. Jahrestorfer. 1,737,975; Dec. 3.
 Trigger mechanism for machine guns. C. Pfeiffer and F. T. Moore. 1,738,502; Dec. 3.
 Trough, Sanitary feed. H. Jacot. 1,737,797; Dec. 3.
 Truck, Barrel. P. B. Cole. 1,738,096; Dec. 3.
 Truck, Industrial. E. J. Abbe. 1,738,272; Dec. 3.
 Truck, Motor-vehicle. G. I. Worley. 1,738,490; Dec. 3.
 Trunk, Wardrobe. F. W. Meyer. 1,738,058; Dec. 3.
 Tube: See—
 Thermionic tube.
 Tube-rolling machine. H. H. Stephens. 1,738,125; Dec. 3.
 Tubes, Making quartz. A. J. Loepsinger. 1,737,662; Dec. 3.
 Tubes of india rubber or similar material and apparatus therefor, Manufacture of. D. F. Twiss and E. A. Murphy. 1,738,268; Dec. 3.
 Tubular rack. A. Law. 1,737,971; Dec. 3.
 Tumbler or similar article, Footed. J. D. Dithridge. Des. 80,021; Dec. 3.
 Turbine, Elastic-fluid. H. F. Schmidt. 1,737,736; Dec. 3.
 Turret-box machine. W. A. Saatman. 1,737,615; Dec. 3.
 Typewriters, Paper feed for. O. Schlichter. 1,738,024; Dec. 3.
 Typewriting and computing machine, Combined. F. A. Hart. 1,737,586; Dec. 3.
 Typewriting machine. A. G. F. Kurowski and C. E. Norio. 1,737,723; Dec. 3.
 Typewriting machine. B. C. Stickney. 1,737,982; Dec. 3.
 Umbrella, Collapsible. A. A. Theodoropoulos. 1,738,267; Dec. 3.
 Underreamer. R. Cramer. 1,737,960; Dec. 3.
 Union-alls, Convenient. C. M. Petty. 1,737,803; Dec. 3.

Unloader for pump drives. H. E. Bucklen and H. O. Putt. 1,738,281; Dec. 3.
 Urea and formaldehyde condensation products. O. A. Cherry. 1,737,918; Dec. 3.
 Utensil, Kitchen. S. Snowdy. 1,737,898; Dec. 3.
 Vacuum cleaner for automobiles. W. L. Grathwol. 1,738,065-6; Dec. 3.
 Vacuum filling machine. T. E. Pennock. 1,737,677; Dec. 3.
 Vacuum-tube system. F. A. Kolster. 1,738,495; Dec. 3.
 Valve. B. Bannister. 1,738,135; Dec. 3.
 Valve. W. D. Collins. 1,737,706; Dec. 3.
 Valve. C. F. Fernald. 1,738,270; Dec. 3.
 Valve. W. T. Jones. 1,738,248; Dec. 3.
 Valve. J. D. Langdon. 1,738,437; Dec. 3.
 Valve. E. F. Ryan and E. T. Adams. 1,738,450; Dec. 3.
 Valve and swing spout, Combination. L. Schlesinger and H. E. Helne. 1,737,734; Dec. 3.
 Valve bracket, Retaining. S. O. Taylor. 1,737,869; Dec. 3.
 Valve, Combination air and oil. C. W. Johnson. 1,738,071; Dec. 3.
 Valve, Compressor. F. R. Erbach. 1,737,710; Dec. 3.
 Valve device for bathtubs, etc., Waste. E. M. Reedy. 1,737,804; Dec. 3.
 Valve, Encased adjustable weight-loaded. F. H. Hopkins and F. B. Woodman. 1,737,588; Dec. 3.
 Valve, Faucet. J. S. Judell and J. P. Bittel. 1,738,250; Dec. 3.
 Valve for motor-operated transporting tanks and means to selectively actuate the valve, Safety discharge. E. D. McCaddam. 1,737,933; Dec. 3.
 Valve for radiators, Inset. C. D. Hickman. 1,738,052; Dec. 3.
 Valve, Fuel-oil. C. M. Tursky. 1,737,985; Dec. 3.
 Valve, Gate. T. E. Murray. 1,738,014; Dec. 3.
 Valve, Irrigation-pipe. H. F. Congable. 1,737,959; Dec. 3.
 Valve structure for compressors. E. H. Steedman. 1,738,403; Dec. 3.
 Valve, Thermostatic. E. E. Gold. 1,737,585; Dec. 3.
 Valve, Thermostatic. P. H. Hamilton. 1,737,755; Dec. 3.
 Vapor fractionation. J. C. Murrell. 1,738,386; Dec. 3.
 Vapor generator. E. F. Fisher. 1,737,837; Dec. 3.
 Vapor oil heater. J. H. Birch. 1,737,911; Dec. 3.
 Vaporizer. R. F. Lonaberger and C. F. Sands. 1,738,478; Dec. 3.
 Vase element of an electric-light fixture. G. E. Villaret. Des. 80,058; Dec. 3.
 Vehicle body construction. H. Stacks. 1,738,329; Dec. 3.
 Vehicle, Child's. J. C. Meyers. 1,738,110; Dec. 3.
 Vehicle, Child's. O. W. Siebert. 1,737,618; Dec. 3.
 Vehicle jack. J. Reidenbaugh. 1,738,205; Dec. 3.
 Vehicle wheel. A. Meldrum. 1,737,935; Dec. 3.
 Vending machine. C. K. Cherry. 1,737,784; Dec. 3.
 Vessel, Nursery chamber. M. M. Costigan. 1,737,572; Dec. 3.
 Vibration device. E. H. Smythe and C. E. Lane. 1,738,327; Dec. 3.
 Volume control of transmission. G. Crisson. 1,737,930; Dec. 3.
 Volume-control system. L. G. Bostwick. 1,737,992; Dec. 3.
 Wading tank. J. H. Phillips. 1,738,017; Dec. 3.
 Waffle iron. E. R. Talbot. 1,737,620; Dec. 3.
 Warp stop motion. H. A. Whittin. 1,737,694; Dec. 3.
 Washer. H. L. Miller. 1,737,938; Dec. 3.
 Washing machine. H. F. Snyder. 1,738,457; Dec. 3.
 Waste receiver, Reversible. J. A. Maker. 1,737,603; Dec. 3.
 Watch. L. Werkstell and A. Colognori. Des. 80,064; Dec. 3.
 Watch construction. F. H. Franson. 1,738,239; Dec. 3.
 Water heater. F. L. O. Wadsworth. 1,738,046; Dec. 3.
 Water heater. F. L. O. Wadsworth. 1,738,088; Dec. 3.
 Watering fountain, Stock. J. M. Krumm. 1,738,303; Dec. 3.
 Wave transferring system. R. V. L. Hartley. 1,737,843; Dec. 3.
 Wave transmission means. S. E. Anderson. 1,738,274; Dec. 3.
 Weather strip. F. B. Buckhout. 1,738,350; Dec. 3.
 Weave dobby, Two. A. A. Gordon. 1,737,654; Dec. 3.
 Weft detector, Side-slipping. O. V. Payne. 1,738,198; Dec. 3.
 Welded pipes, Reducing stresses in. J. R. Dawson. 1,737,786; Dec. 3.
 Welding. Line. R. E. Wagner and W. E. Laird. 1,738,465; Dec. 3.
 Well-casing elevator. C. E. Reed. 1,737,893; Dec. 3.
 Welting or glimp. B. Silverstein. 1,738,400; Dec. 3.
 Wheel: See—
 Abrasive wheel.
 Vehicle wheel.
 Wheel adjustment for plows, Furrow. W. S. Grabam. 1,737,879; Dec. 3.
 Wheel and axle, Integral. M. Rivkin. 1,738,393; Dec. 3.
 Wheels, Attachment for vehicle. J. C. Sheller. 1,738,453; Dec. 3.
 Wheels, Making tubular-spoked. J. H. Wagenborst. 1,737,780; Dec. 3.

ALPHABETICAL LIST OF INVENTIONS

Wick for liquid-fuel burners and making same. L. A. Cocklin. 1,738,133; Dec. 3.	Window-weatherproofing device and screen hanger. J. T. Hickman. 1,738,183; Dec. 3.
Willow. C. Schofield. 1,738,396; Dec. 3.	Wood-metal structural unit, Composite. S. Macomber. 1,737,601; Dec. 3.
Wind scoop. H. F. Norton. 1,737,610; Dec. 3.	Wood veneer and preparing same. W. H. Wood. 1,738,132; Dec. 3.
Windshield cleaner, Automatic. J. R. Oishe and H. Hueber. 1,738,811; Dec. 3.	Wringers. Safety attachment for. W. E. Glidea. 1,737,714; Dec. 3.
Window attachment for envelope-folding machines. R. A. Nelson. 1,737,608; Dec. 3.	Writing device. H. I. Morris. 1,737,862; Dec. 3.
Window screen. M. Pollack. 1,737,944; Dec. 3.	

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 3, 1929

NOTE—First number—class, second number—subclass, third number—patent number.

1— 24: R. 17,500	26— 46: 1,737,790	51— 103: 1,737,852	84— 261: 1,737,910	106— 200: 1,737,582	128— 218: 1,738,146
41: 1,737,719	28— 1: 1,737,574	108: 1,738,356	276: 1,737,639	308: 1,737,920	231: 1,738,152
49: 6: 1,738,225	4: 1,737,607	168: 1,738,472	285: 1,738,351	1,737,927	271: 1,737,949
2— 34: 1,738,158	8: 1,738,494	170: 1,738,062	286: 1,737,906	1,738,057	317: 1,737,552
33: 1,738,434	15: 1,737,983	1,738,063	85— 3: 1,738,133	106— 20: 1,737,957	129— 1: 1,737,606
79: 1,737,803	62: 1,737,667	184: 1: 1,738,443	11: 1,737,908	24: 1,737,906	16: 1,737,641
122: 1,737,875	84: 1,738,166	250: 1,738,005	9: 1,737,555	25: 1,737,904	24: 1,738,120
124: 1,737,796	86: 3: 1,738,178	277: 1,738,027	12: 1,737,731	36: 1: 1,737,685	24: 1,738,223
127: 1,737,617	105: 1,737,580	1: 1,737,898	13: 1,737,731	1,737,686	24: 1,738,306
225: 1,737,923	1,737,990	6: 1,738,226	17: 1,738,022	107— 4: 1,738,079	28: 1,738,419
227: 1,737,882	148: 2: 1,737,988	1,738,301	19: 1: 1,738,058	14: 1,738,033	131— 28: 1,737,644
131: 1,737,572	152: 1,738,224	10: 1,737,620	19: 5: 1,738,054	22: 1,738,361	59: 1,737,644
173: 1,738,256	168: 1,738,414	81: 1,738,074	24: 1,737,579	54: 1,737,919	37: 1,737,765
177: 1,738,017	174: 1,737,780	56: 1,738,388	1,737,993	108— 7: 1,737,977	84: 1,738,389
203: 1,738,137	30— 5: 1,737,713	56— 47: 1,737,850	1,738,313	9: 1,738,006	135— 4: 1,738,219
21: 1,737,604	9: 1,737,656	122: 1,738,238	1,738,445	25: 1,737,766	5: 1,737,664
31: 1,738,156	10: 1,738,496	131: 1,737,853	44: 1,737,979	18: 1,737,638	26: 1,738,267
99: 1,738,317	12: 1,737,696	294: 1,738,480	1,737,990	22: 1,738,176	136— 182: 1,737,848
114: 1,737,947	32— 1: 1,738,143	58— 33: 1,738,467	80— 3: 1,737,937	98: 1,737,756	137— 13: 1,737,941
18: 1,737,940	9: 1,737,603	99: 1,738,239	27: 1,738,502	1,737,757	21: 1,737,933
5: 1,737,905	9: 1,737,715	80: 1,738,407	40: 1,738,474	1,737,758	53: 1,737,560
19: 1,738,084	1,738,460	60— 16: 1,737,845	45: 1,737,895	1,737,759	111: 1,737,755
20: 1,737,760	33— 152: 1,738,498	23: 1,738,072	1,737,896	1,738,283	156: 1,738,481
21: 1,738,190	167: 1,737,704	45: 1,737,837	54: 1,738,431	101: 1,738,379	10: 1,737,563
16: 1,738,312	180: 1,737,728	107: 1,738,507	58: 1,737,616	45: 1,738,019	6: 1,737,743
27: 1,738,487	193: 1,737,827	61— 23: 1,738,051	59: 4: 1,737,667	219: 1,738,142	8: 1,737,642
101: 1,737,739	215: 1,737,936	62— 96: 1,737,778	9: 1,737,590	232: 1,738,184	25: 1,737,688
155: 1,737,876	34— 48: 1,737,926	111: 1,738,162	21: 1,738,509	113— 114: 1,737,569	74: 1,737,655
25: 1,737,728	35— 12: 1,738,394	141: 1,738,126	37: 1,737,699	114— 16: 1,738,093	87: 1,737,690
27: 1,737,698	36— 3: 1,737,748	170: 1,738,233	1,737,701	16: 5: 1,738,385	104: 1,737,600
47: 1,737,811	19: 1,737,679	1,738,270	1,737,703	56: 1,737,886	225: 1,737,691
68: 1,738,285	22: 1,737,692	63— 4: 1,738,106	1,737,704	211: 1,737,550	280: 1,737,692
142: 1,737,727	24: 1,737,812	66— 1: 1,738,486	1,737,705	14: 1,738,013	262: 1,737,990
56: 1,738,240	85: 1,738,048	67— 7: 1: 1,738,451	42: 1,738,357	21: 1,737,899	286: 1,738,198
7: 1,737,855	76: 1,737,556	111: 1,738,160	44: 1,737,781	81: 1,738,134	354: 1,737,694
136: 1,738,015	37— 173: 1,738,364	18: 1,737,981	6: 1,738,119	116— 18: 1,737,987	376: 1,737,698
52: 1,738,123	40— 2: 2: 1,738,316	11: 1,738,280	37: 1,738,094	30: 1,738,016	9: 1,737,698
17— 9: 1,737,626	10: 1,737,723	18: 1,737,981	54: 1,737,615	54: 1,738,128	1,737,754
18— 2: 1,738,504	11: 1,738,376	68— 32: 1,737,714	58: 1,737,553	124: 4: 1,738,294	1,737,791
9: 1,738,334	20: 1,738,378	69— 1: 1,737,677	60: 1,737,780	133: 1,737,657	37: 1,738,145
19: 1,738,667	42: 1,738,413	21: 1,738,400	61: 1,737,608	117— 34: 1,738,096	89: 1,738,200
26: 1,738,298	52: 1,737,573	29: 1,738,338	80: 1,738,035	30: 1,738,368	151: 1,738,140
48: 3: 1,737,619	56: 1,737,900	46: 1,738,106	73: 1,737,965	61: 1,737,797	163: 1: 1,737,708
61: 1,737,943	1,738,241	90: 1,737,742	75: 1,738,095	73: 1,738,308	70: 1,738,227
52: 1,737,775	125: 1,737,729	73— 32: 1,738,321	97— 93: 1,738,185	208: 1,738,067	29: 1,737,647
56: 1,737,874	1,738,294	165: 1,737,735	103: 1,737,879	14: 1,738,396	32: 1,738,396
62: 1,738,391	1,738,273	74— 7: 1,737,868	1,737,880	17: 1,737,962	36: 1,737,646
92: 1,738,396	126: 1,737,733	1,738,179	188: 1,738,230	18: 1,738,173	60: 1,738,408
129: 1,738,099	130: 1,738,498	1,738,251	221: 1,738,003	36: 1,738,471	55: 1,738,108
130: 1,737,592	131: 1,737,858	14: 1,737,768	230: 1,738,281	42: 1,737,964	171: 1,738,148
6: 1,737,621	7: 1,737,593	1,737,772	2: 1,738,377	108: 1,737,944	189: 1,738,025
7: 1,737,596	18: 1,738,439	1,738,417	37: 1,737,610	9: 1,738,151	13: 1,738,307
11: 1,738,203	75: 1,738,500	1,738,406	40: 1,737,661	97: 1,738,311	16: 1,737,711
19: 1,737,892	17: 1,737,921	21: 1,738,168	5: 1,738,275	143: 1,737,581	1: 5: 1,737,967
52: 6: 1,738,183	20: 1,738,204	26: 1,737,685	11: 1,737,770	185: 1,738,435	1,738,242
72: 1,738,850	1,738,284	34: 1,737,997	1,738,064	40: 1,737,826	2: 1,738,470
69: 1,738,929	45— 7: 1,738,004	48: 1,738,281	12: 1,738,132	381: 1,737,591	14: 1,738,425
13: 1,738,380	9: 1,737,956	58: 1,737,881	100— 44: 1,738,326	478: 1,737,809	29: R. 17,514
80: 1,737,665	11: 1,737,915	108: 1,737,658	57: 1,738,255	14: 1,738,320	38: 1,737,972
147: 1,737,665	31: 1,738,429	1,737,915	91: 1,738,422	32: 1,737,653	30: 1,738,482
204: 1,738,056	51: 1,738,415	1,738,352	159: 1,738,055	45: 1,737,820	11: 1,738,491
53: 1,737,639	71: 1,738,424	119: 1,737,612	199: 1,737,817	52: 1,738,156	152— 48: 1,738,124
71: 1,738,041	137: 1,738,295	1: 1,738,163	227: 1,737,932	67: 1,737,976	60: 1,738,340
90: 1,738,492	40: 1,738,192	17: 1,737,899	316: 1,737,925	59: 1,737,599	79: 1,737,583
198: 1,737,943	45: 1,737,651	1,737,899	350: 1,737,628	122: 1,738,478	2: 1,738,291
23: 1,737,779	46— 48: 1,737,177	76— 104: 1,738,032	407: 1,737,878	140: 1,737,802	2: 5: 1,737,640
57: 1,737,632	49: 1,737,787	80— 13: 1,738,126	179: 1,737,802	198: 1,737,961	9: 1,738,018
116: 1,738,433	52: 1,738,347	38: 1,737,736	6: 1,738,402	33: 1,738,207	10: 1,738,503
123: 1,738,831	29: 1,738,398	66: 1,737,990	42: 1,738,345	37: 1,737,551	25: 1,738,284
134: 1,737,678	41: 1,737,991	81— 189: 1,737,889	133: 1,738,191	126— 33: 1,737,806	110: 1,738,115
196: 1,738,477	47: 1,737,673	82— 2: 1,738,436	161: 1,738,375	68: 1,738,222	140: 1,738,473
226: 1,737,649	107: 1,738,497	8: 1,738,396	163: 1,738,309	73: 1,738,254	144: 1,738,390
248: 1,738,111	205: 1,738,498	9: 1,737,954	204: 1,738,136	90: 1,737,928	167: 1,737,836
263: 1,737,863	49— 17: 1,738,217	10: 1,738,161	225: 1,738,167	92: 1,738,335	179: 1,737,815
69: 1,738,046	55: 1,738,479	11: 1,737,900	232: 1,737,894	116: 1,737,732	196: 1,738,023
142: 1,738,040	78: 1: 1,737,662	28: 1,738,318	233: 1,737,635	214: 1,738,297	24: 1,738,091
158: 1,738,080	56: 1,738,804	44: 1,737,818	290: 1,737,684	296: 1,738,186	38: 1,737,944
1,738,091	90: 1,737,707	73: 1,738,045	261: 1,737,887	166: 1,737,897	39: 1,738,131
156: 1,737,847		84— 11: 1,738,267	262: 1,737,870	203: R. 17,512	42: 1: 1,738,118
			104— 253: 1,738,008	218: 1,737,575	42: 2: 1,738,071
			105— 132: 1,738,416	1,737,844	66: 1,737,911
			172: 1,737,697	1,737,857	78: 1,738,082

CLASSIFICATION OF PATENTS

158- 91: 1,738,184	179- 27: 1,737,930	200- 166: 1,738,140	230- 274: 1,738,078	250- 36: 1,738,232	277- 31: 1,737,734
96: 1,738,138	1,738,059	201- 63: 1,738,044	233- 1: 1,738,228	1,738,246	55: 1,738,011
99: 1,738,199	1,738,245	64: 1,738,456	234- 34: 1,737,746	1,738,250	279- 33: 1,737,724
117.5: 1,738,489	1,738,302	76: 1,738,141	235- 59: 1,737,586	56: 1,738,014	33.14: 1,738,374
47: 1,737,884	1,738,351	165: 1,737,763	60: 1,738,144	84: 1,737,959	47: 1,737,618
65: 1,738,353	27.5: 1,737,807	104: 1,737,681	61: 1,737,659	90: 1,738,135	49: 1,738,096
68: 1,738,076	107: 1,738,289	111: 1,737,872	95: 1,737,808	113: 1,738,450	89: 1,738,147
90: 1,737,851	111: 1,737,872	155: 1,737,978	101: 1,738,373	119: 1,737,706	95: 1,737,856
99: 1,738,244	171: 1,737,992	206- 38: 1,737,964	236- 23: 1,738,066	145: 1,737,710	106: 1,737,810
14: 1,738,080	1,738,397	42: 1,737,643	1,738,067	167: 1,738,437	160: 1,737,952
19: 1,738,197	1,738,408	57: 1,737,645	1,738,068	252- 6: 1,737,623	164: 1,737,901
35: 1,738,280	175: 1,737,652	76: 1,738,333	58: 1,738,236	254- 3: 1,738,272	281- 6: 1,738,139
169- 2: 1,737,637	180- 13: 1,737,568	207- 1: 1,737,773	86: 1,738,248	26: 1,737,958	29: 1,738,153
170- 168: 1,738,210	20: 1,738,490	208- 113: 1,738,110	99: 1,737,585	88: 1,738,205	1,738,154
171- 95: 1,738,464	22: 1,738,212	209- 167: 1,737,716	168: 1,738,306	168: 1,738,306	283- 8: 1,737,709
229: 1,738,163	53: 1,737,840	210- 8: 1,738,362	172: 1,738,384	255- 25: 1,737,793	285- 58: 1,737,687
172- 8: 1,738,433	161- 0.5: 1,738,094	10: 1,738,213	256- 69: 1,738,382	161: 1,738,021	1,738,484
36: 1,738,165	27: 1,737,864	190: 1,738,114	257- 132: 1,738,438	175: 1,738,216	286- 11: 1,737,777
1,738,171	30: 1,737,666	156: 1,738,208	152: 1,737,588	204: 1,737,633	287- 117: 1,737,630
246: 1,738,344	31: 1,738,322	157: 1,737,740	153: 1,737,557	288- 4: 1,737,791	290- 30: 1,737,722
274: 1,738,452	32: 1,737,883	181: 1,738,454	258- 132: 1,738,438	292- 60: 1,737,891	74: 1,738,387
280: 1,738,441	183- 2.5: 1,738,070	182: 1,737,971	154: 1,737,557	106: 1,737,730	293- 200: 1,737,576
281: 1,738,496	4: 1,737,822	212- 8: 1,737,753	155: 1,737,652	275: 1,738,381	294- 30: 1,737,791
289: 1,738,155	39: 1,737,680	213- 31: 1,738,020	171: 1,737,970	305: 1,738,252	295- 2: 1,738,393
1,738,488	52: 1,738,249	214- 1: 1,737,994	239: 1,737,842	306: 1,738,458	296- 28: 1,737,547
31: 1,737,562	78: 1,737,587	59: 1,738,211	240: 1,737,849	31: 1,737,709	109: 1,737,614
259: 1,738,157	79: 1,737,648	1: 1,737,609	1: 1,737,609	115: 1,737,909	297- 115: 1,737,909
267: 1,738,234	101: 1,738,279	1: 1,737,744	9: 1,738,440	298- 2: 1,738,393	34: 1,738,404
268: 1,738,240	6: 1,737,567	46: 1,737,828	56: 1,737,625	299- 43: 1,738,109	44: 1,737,814
318: 1,737,749	37: 1,737,570	20: 1,737,805	101: 1,738,457	66: 1,738,329	84: 1,738,418
1,738,488	45: 1,737,538	4: 1,738,465	131: 1,738,112	97: 1,737,934	121: 1,737,861
321: 1,737,999	28: 1,738,214	8: 1,738,246	2: 1,738,310	143: 1,738,442	300- 73: 1,738,421
328: 1,738,009	1,738,215	19: 1,738,150	3.5: 1,737,918	159: 1,737,792	119: 1,738,332
1,738,028	188- 33: 1,737,922	20: 1,738,328	4: 1,737,917	166: 1,738,193	125: 1,737,945
354: 1,737,924	40: 1,738,455	34: 1,738,164	36: 1,738,261	93: 1,737,624	130: 1,737,831
358: 1,738,346	189- 40: 1,737,601	38: 1,737,834	56: 1,738,343	114: 1,738,386	133: 1,737,985
1,738,366	88: 1,738,469	40: 1,738,360	130: R. 17, 511	121: 1,737,861	301- 67: 1,737,935
41: 1,737,752	13: 1,738,058	42: 1,737,912	154: 1,737,841	137: 1,738,060	302- 11: 1,737,561
1,738,314	192- 28: 1,737,907	47: 1,738,100	1,737,842	143: 1,738,442	303- 5: 1,738,395
41.5: 1,737,741	105: 1,737,825	10: 1,737,712	159: 1,737,792	159: 1,737,792	306- 6: 1,737,578
1,738,175	127: 1,738,103	39: 1,737,605	166: 1,738,193	93: 1,737,624	126: 1,737,585
1,738,194	129: 1,737,629	1,737,675	93: 1,737,624	114: 1,738,386	170: 1,737,571
1,738,195	135: 1,738,506	1,737,676	114: 1,738,386	137: 1,738,060	201: 1,738,359
1,738,306	194- 82: 1,738,319	71: 1,738,483	6: 1,738,060	143: 1,738,442	212: 1,737,816
183: 1,738,287	196- 19: 1,737,737	85: 1,737,955	7: 1,738,412	159: 1,737,792	226: 1,737,594
311: 1,737,866	21: 1,737,975	86: 1,738,069	14: 1,737,824	93: 1,737,624	237: 1,738,037
318: 1,738,113	35: 1,738,390	91: 1,738,042	1,738,172	14: 1,738,277	312- 36: 1,738,476
335: 1,737,846	66: 1,737,634	27: 1,738,077	20: 1,738,262	72: 1,737,627	77: 1,737,747
339: 1,738,370	116: 1,738,263	47.1: 1,737,783	1,738,274	96: 1,737,946	112: R. 17, 510
359: 1,738,117	17: 1,737,982	60: 1,738,080	1,738,275	5: 1,738,324	
363: 1,738,266	114: 1,737,901	62: 1,737,548	6: 1,738,276	8: 1,738,323	
372: 1,738,461	129: 1,737,723	66: 1,738,428	8: 1,737,672	56: 1,738,190	
373: 1,738,253	133: 1,738,024	68: 1,738,181	9: 1,737,671	6: 1,738,060	
1,738,266	198- 20: 1,737,762	95: 1,737,929	14: 1,737,824	14: 1,738,277	
176- 10: 1,738,206	103: 1,737,829	100: 1,737,996	1,738,172	38: 1,737,902	
177- 311: 1,737,774	131: 1,737,819	127: 1,738,218	20: 1,738,262	72: 1,737,627	
1,737,835	189: 1,737,823	190: 1,738,427	1,738,274	96: 1,737,946	
314: 1,738,243	190: 1,738,427	24: 1,738,444	1,738,275	5: 1,738,324	
337: 1,737,631	50: 1,738,049	50: 1,738,508	1,738,276	8: 1,738,323	
1,738,401	54: 1,738,508	56: 1,737,973	1,738,277	56: 1,738,190	
6: 1,738,007	60: 1,738,122	118: 1,737,677	27: 1,737,993	271- 2: 1,737,670	
1,738,315	70: 1,738,406	50: 1,737,799	27.5: 1,738,169	35: 1,738,355	
13: 1,737,666	81: 1,737,859	23: 1,738,127	1,738,169	106.5: 1,737,871	
44: 1,737,830	91: 1,737,761	34: 1,737,771	1,738,182	123: 1,738,265	
1,738,000	97: 1,737,649	68: 1,738,182	1,738,182	17: 1,738,061	
63: 1,738,262	117: 1,737,673	41: 1,738,121	1,738,183	27: 1,737,788	
100: 1,737,962	121: 1,738,174	95: 1,738,065	1,738,184	275- 2: 1,738,085	
1,737,554	150: 1,737,636	1,738,066	1,738,185	15: 1,738,349	
9: 1,738,241	1,737,663	185: 1,738,104	1,738,186	38: 1,738,325	
1,738,260	163: 1,737,707	231: 1,738,403	1,738,187		

U. S. GOVERNMENT PRINTING OFFICE: 1929

Dec. 10, 1929
ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Acme White Lead & Color Works, Hamtramck, Mich. Paint enamels, paint and varnish thinners, and lacquers. 265,024; Dec. 10; Serial No. 287,104; published Sept. 17, 1929. Class 16.

Agarina Food Products. (See Barker, Edna C.)

Aircraft Products Corporation of America, Detroit, Mich. Airplane wheels, airplane shock struts, and airplane wheel and brake assemblies. 265,019; Dec. 10; Serial No. 283,771; published Sept. 24, 1929. Class 19.

Aktiebolaget Birka Regulator, Stockholm, Sweden. Electric switches and incandescent lamps. 264,858; Dec. 10; Serial No. 280,981; published Sept. 24, 1929. Class 21.

Alhambra Press, Inc., New York, N. Y. Periodical. 265,003; Dec. 10; Serial No. 288,213; published Sept. 24, 1929. Class 38.

Alpha Phi Omega, Winchester, Va. Fraternity badges, lapel buttons, breastpins, etc. 265,052; Dec. 10; Serial No. 286,530; published Sept. 24, 1929. Class 28.

American Character Doll Company, Inc., New York, N. Y. Dolls. 265,056; Dec. 10; Serial No. 286,717; published Sept. 17, 1929. Class 22.

American Drug Corporation, St. Louis, Mo. Preparation for the prevention and relief of hay fever, catarrh, etc. 264,878; Dec. 10; Serial No. 287,442; published Sept. 24, 1929. Class 6.

American Grape Juice Corporation, Fredonia, N. Y. Beverages and syrups for making the same. 264,881; Dec. 10; Serial No. 287,785; published Sept. 24, 1929. Class 45.

Antrim, C. W., & Sons, Richmond, Va. Coffee. 265,005; Dec. 10; Serial No. 285,142; published Sept. 24, 1929. Class 46.

Arabol Manufacturing Company, The, New York, N. Y. Adhesive pastes, glues, adhesive gums. 265,012; Dec. 10; Serial No. 287,862; published Sept. 24, 1929. Class 5.

Artcraft Razor Blade Co. (See Mindlin, Morris.)

Aurora Flour Mills Company, The, Junction City, Kans. Wheat flour; poultry, dairy, and pig feeds. 264,988; Dec. 10; Serial No. 285,061; published Sept. 24, 1929. Class 46.

Auto Power Spray Company, Chicago, Ill. Paint-spray apparatus. 264,830; Dec. 10; Serial No. 288,582; published Sept. 24, 1929. Class 23.

Baker, Horace, Chicago, Ill. Canned and dehydrated vegetable soups, canned peas, beans, etc. 265,039; Dec. 10; Serial No. 277,654; published Apr. 9, 1929. Class 46.

Barker, Edna C., doing business as Agarina Food Products, San Diego, Calif. Agar-agar for food purposes. 264,960; Dec. 10; Serial No. 285,805; published Oct. 1, 1929. Class 46.

Bassett Metal Goods Company, Inc., The, Derby, Conn. Hinges and hasps. 265,038; Dec. 10; Serial No. 279,439; published Oct. 1, 1929. Class 13.

Bates Valve Bag Corporation, Chicago, Ill. Paper bags. 265,057; Dec. 10; Serial No. 282,516; published Sept. 24, 1929. Class 2.

Baxter, H. C., & Bro., doing business as H. C. Baxter Bros. Co., Baxter Bros. Co., and Snowflake Canning Co., Brunswick, Me. Canned vegetables. 264,919; Dec. 10; Serial No. 269,821; published Sept. 25, 1928. Class 46.

Beckwith-Chandler Company, Newark, N. J. Paints, varnishes, lacquers, etc. 264,853; Dec. 10; Serial No. 283,933; published Sept. 24, 1929. Class 16.

Bendiner & Schlesinger, Inc., New York, N. Y. Uterine tonic. 264,828; Dec. 10; Serial No. 288,217; published Sept. 24, 1929. Class 6.

Berkowitz, Abraham L., doing business as United Cranberry Exchange and also as Berkowitz Properties, Mattoon, Ill. Cranberries. 264,999; Dec. 10; Serial No. 285,063; published Sept. 24, 1929. Class 46.

Big-Pop Products Company, Kansas City, Mo. Flavors, colors, and extracts. 264,879; Dec. 10; Serial No. 287,446; published Sept. 24, 1929. Class 45.

Bigelow-Hartford Carpet Company, Thompsonville, Conn. Textile woven rugs and carpets. 264,884; Dec. 10; Serial No. 287,863; published Sept. 24, 1929. Class 42.

Bishop Gutta-Percha Company. (See Soltau, Robert, & Co., assignor.)

Blue Valley Creamery Company, Chicago, Ill. Milk and cream. 265,008; Dec. 10; Serial No. 287,736; published Sept. 24, 1929. Class 46.

Bond Electric Corporation, Jersey City, N. J. Vacuum or electron tubes. 264,886; Dec. 10; Serial No. 286,150; published Sept. 24, 1929. Class 21.

Bradley, Milton, Company, Springfield, Mass. Games. 264,859; Dec. 10; Serial No. 281,512; published Sept. 24, 1929. Class 22.

Browne, Eugene S., Des Moines, Iowa. Face powder, astringent, skin whitener, etc. 264,885; Dec. 10; Serial No. 287,646; published Sept. 24, 1929. Class 6.

Bruck, Isaac I., New York, N. Y. Thread. 264,896; Dec. 10; Serial No. 287,040; published Sept. 24, 1929. Class 43.

Buffalo Wire Works Co., Inc., Buffalo, N. Y. Wire cloth. 264,823; Dec. 10; Serial No. 288,105; published Sept. 24, 1929. Class 13.

Burroughs Adding Machine Company, Detroit, Mich. Electric motors and parts thereof. 264,908; Dec. 10; Serial No. 287,649; published Sept. 24, 1929. Class 21.

C & S Company. (See Sullivan, James A.)

Cadet Storage Battery Co. (See Pep Boys—Manny, Moe & Jack, The.)

Car-Van Steel Products Company, The, Canton, Ohio. Knives and tools. 264,911; Dec. 10; Ser. No. 271,292; published Oct. 1, 1929. Class 23.

Carr, Carl C., Lakewood, (Cleveland), Ohio. Gloves. 264,989; Dec. 10; Serial No. 274,704; published Sept. 24, 1929. Class 39.

Chemische Fabrik Gebr. Patemann, Friedenau, near Berlin, to Gebr. Patemann, successor, Teltow, near Berlin, Germany. Foods containing malt extract and artificially added nutritive salts. 74,437; renewed July 13, 1929.

Chicago Flexible Shaft Company, Chicago, Ill. Health exercising machines. 264,972; Dec. 10; Serial No. 286,667; published Sept. 24, 1929. Class 44.

Chilton Canning Co., Chilton, Wis. Canned vegetables. 264,916; Dec. 10; Serial No. 270,462; published Sept. 24, 1929. Class 46.

Clover Farm Stores. (See Grocers & Producers Co., The.)

Cohn, Max, Woodhaven, N. Y. Canned goods. 264,663; Dec. 10; Serial No. 279,834; published Sept. 24, 1929. Class 46.

Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Pistols. 264,898; Dec. 10; Serial No. 286,868; published Sept. 24, 1929. Class 9.

Columbus-Union Oil Cloth Company, The, Columbus, Ohio. Oilcloth. 264,836; Dec. 10; Serial No. 288,226; published Sept. 24, 1929. Class 20.

Columbus Specialty Co. Inc., New York, N. Y. Attachment to bathtub and bathtubs. 264,967; Dec. 10; Serial No. 287,454; Oct. 1, 1929. Class 13.

Continental Greenhouse Mfg. Co., The, Cleveland, Ohio. Sash-actuating mechanism for ventilating apparatus. 265,025; Dec. 10; Serial No. 279,452; published Sept. 24, 1929. Class 34.

Cordes & Co., Minden, Germany. Turpentine oil, boiled linseed oil, oils for coat of paint, etc. 264,825; Dec. 10; Serial No. 285,709; published Sept. 17, 1929. Class 16.

Craig, R. L., & Co., Los Angeles, Calif. Coffee, spices, extracts. 264,957; Dec. 10; Serial No. 287,050; published Oct. 1, 1929. Class 46.

Crazy Water Hotel Company, doing business as Texas Carlsbad Water Co., Mineral Wells, Tex. Natural mineral water and crystals for making of mineral water. 264,969; Dec. 10; Serial No. 287,177; published Oct. 1, 1929. Class 45.

Curtiss Aeroplane and Motor Company, Inc., Garden City and Buffalo, N. Y. Aeroplanes. 264,888; Dec. 10; Serial No. 288,165; published Oct. 1, 1929. Class 19.

Cutter Manufacturing Company, Everett, Mass. Fire sets. 264,941; Dec. 10; Serial No. 288,785; published Oct. 1, 1929. Class 23.

Dannemiller Grocery Company, The, Canton, Ohio. Staples and canned goods. 264,929; Dec. 10; Serial No. 261,796; published Nov. 13, 1928. Class 46.

Delco Products Corporation, Dayton, Ohio. Shock absorbers. 264,815; Dec. 10; Serial No. 286,745; published Sept. 3, 1929. Class 19.

De Lion Tire and Rubber Corporation, Baltimore, Md. Swimming belts. 264,902; Dec. 10; Serial No. 287,912; published Sept. 24, 1929. Class 22.

Delott, Julius, New York, N. Y. Cigars and cigarettes. 264,841; Dec. 10; Serial No. 288,592; published Sept. 24, 1929. Class 17.

Desmond's, Los Angeles, Calif. Hats. 264,897; Dec. 10; Serial No. 286,982; published Sept. 24, 1929. Class 39.

Deutsche Gasgeräte-Gesellschaft m. b. H., Berlin, Germany. All kinds of gas-pressure regulators, base-metal pots, pans, etc. 265,020; Dec. 10; Serial No. 283,785; published Sept. 24, 1929. Class 13.

Dewey, H. T., & Sons Company, New York, N. Y. Medicinal preparation. 265,042; Dec. 10; Serial No. 277,867; published Sept. 24, 1929. Class 6.

Dewey, H. T., & Sons Company, New York, N. Y. Medicinal preparation. 265,043; Dec. 10; Serial No. 277,869; published Sept. 24, 1929. Class 6.

Diamond Produce Co., Belle Haven, Va. Farm produce. 265,006; Dec. 10; Serial No. 285,850; published Sept. 24, 1929. Class 46.

Diapex Corporation, The, New York, N. Y. Sanitary paper diapers. 265,015; Dec. 10; Serial No. 286,655; published Sept. 24, 1929. Class 37.

Dielectric Products, Inc., Newport, Del. Insulating oil or insulating medium. 264,852; Dec. 10; Serial No. 283,438; published Sept. 24, 1929. Class 21.

Dielectric Products, Inc., Newport, Del. Insulating grease or insulating medium. 264,860; Dec. 10; Serial No. 283,437; published Sept. 24, 1929. Class 21.

Do/More Chair Company. (See Ferris, William S.)

Doughnut Machine Corporation, New York, N. Y. Cake mixture. 265,014; Dec. 10; Serial No. 287,961; published Sept. 24, 1929. Class 46.

Draper-Maynard Company, The, Plymouth, N. H. Footballs. 265,051; Dec. 10; Serial No. 286,229; published Sept. 24, 1929. Class 22.

Drying Systems, Inc., Chicago, Ill. Drying rooms and equipment therefor, air-conditioning apparatus, etc. 265,030; Dec. 10; Serial No. 283,728; published Oct. 1, 1929. Class 34.

Dunlap's California Sport Hats, Inc., Los Angeles, Calif. Hats. 264,835; Dec. 10; Serial No. 287,914; published Sept. 24, 1929. Class 39.

Eckerson Company, Jersey City, N. J. Oleomargarine. 265,004; Dec. 10; Serial No. 288,460; published Sept. 24, 1929. Class 46.

Ehrenberg, Bertram, doing business as B. Ehrenberg Co., New York, N. Y. Fabrics of rayon, cotton, wool, etc. 264,932; Dec. 10; Serial No. 288,849; published Oct. 1, 1929. Class 42.

Emery, Melbourne C., Adrian, Mich. Tilting-platform hand trucks. 264,816; Dec. 10; Serial No. 287,058; published Sept. 24, 1929. Class 19.

Empire Outfitters Company, (See Mindlin, Morris.)

Endicott Johnson Corporation, Endicott, N. Y. Soles and heels. 264,849; Dec. 10; Serial No. 277,059; published Mar. 12, 1929. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Shoes. 264,961; Dec. 10; Serial No. 285,559; published Oct. 1, 1929. Class 39.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 264,904; Dec. 10; Serial No. 288,553; published Sept. 24, 1929. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 264,947; Dec. 10; Serial No. 288,552; published Oct. 1, 1929. Class 22.

Familan-Silver Co., Los Angeles, Calif. Gas water heaters. 264,817; Dec. 10; Serial No. 287,059; published Sept. 24, 1929. Class 34.

Farbenfabriken of Elberfeld Company, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Pharmaceutical compound. 34,074; renewed Jan. 23, 1930. Class 46.

Farmers Union Co-operative Oil Association of Iowa, Des Moines, Iowa. Lubricating oils. 264,890; Dec. 10; Serial No. 288,047; published Sept. 24, 1929. Class 15.

Federal Rubber Company, The, Chicago, Ill. and Cudahy, Wis. Vehicle tires. 264,976; Dec. 10; Serial No. 285,072; published Oct. 1, 1929. Class 35.

Felco Manufacturing Co., Inc., The, Newark, N. J. Built-in laundry hampers and built-in cabinets for waste materials. 264,819; Dec. 10; Serial No. 287,126; published Sept. 24, 1929. Class 2.

Fem San Products Co., San Francisco, Calif. Antiseptic powder and antiseptic suppository. 264,884; Dec. 10; Serial No. 287,746; published Sept. 24, 1929. Class 6.

Ferris, William S., doing business as Do/More Chair Company, Elkhart, Ind. Chairs. 264,882; Dec. 10; Serial No. 287,810; published Sept. 24, 1929. Class 32.

Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Pneumatic-tire casings. 264,829; Dec. 10; Serial No. 288,470; published Sept. 24, 1929. Class 35.

Fitzger Company, The, Duluth, Minn. Carbonated water. 264,938; Dec. 10; Serial No. 288,909; published Oct. 1, 1929. Class 45.

Foley Bros. & Kelly, to Griggs, Cooper & Company, successor, St. Paul, Minn. Certain foods. 71,256-7; renewed Nov. 10, 1928. Class 46.

Fordath Engineering Company, Limited, The, West Bromwich, England. Oils and compounds for making cores. 264,862; Dec. 10; Serial No. 277,700; published Sept. 24, 1929. Class 5.

Forstmann & Hoffmann Company, Passaic, N. J. Woolen piece goods. 264,903; Dec. 10; Serial No. 285,075; published Sept. 24, 1929. Class 42.

Frazer Paint Company, Detroit, Mich. Aluminum paint. 264,894; Dec. 10; Serial No. 287,242; published Sept. 10, 1929. Class 16.

Fuller, W. P. & Co., San Francisco, Calif. Interior varnish. 264,944-4; Dec. 10; Serial Nos. 288,702-3; published Oct. 1, 1929. Class 16.

Gamewell Company, The, Newton and Newton Upper Falls, Mass. Special paint enamel. 264,905; Dec. 10; Serial No. 288,296; published Sept. 17, 1929. Class 16.

General Motors Corporation, Detroit, Mich. Bearings for shafts and similar machine elements. 264,995; Dec. 10; Serial No. 288,214; published Nov. 16, 1928. Class 23.

General Motors Corporation, Detroit, Mich. Vehicle wheels and parts thereof. 265,047; Dec. 10; Serial No. 270,539; published Sept. 24, 1929. Class 19.

Gibson Art Company, The, Cincinnati, Ohio. Playing cards. 264,942; Dec. 10; Serial No. 288,704; published Oct. 1, 1929. Class 22.

Godde, Albert, Redin, Inc., New York, N. Y. Silk piece goods. 264,848; Dec. 10; Serial No. 284,763; published Sept. 24, 1929. Class 42.

Godde, Albert, Redin, Inc., New York, N. Y. Silk piece goods. 264,977; Dec. 10; Serial No. 288,852; published Oct. 1, 1929. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Storage batteries. 264,891; Dec. 10; Serial No. 287,468; published Sept. 24, 1928. Class 21.

Great Atlantic & Pacific Tea Co., The, New York, N. Y. Prepared mustard. 264,997; Dec. 10; Serial No. 272,746; published Feb. 26, 1929. Class 46.

Griggs, Cooper & Company, (See Foley Bros. & Kelly.)

Grocers & Producers Co., The, doing business as Clover Farm Stores, Cleveland, Ohio. Bicarbonate of soda, salt, lye, etc. 264,868; Dec. 10; Serial No. 286,761; published Sept. 24, 1929. Class 6.

Hadley Furniture Company, Springfield, Mass. Mattresses. 264,887; Dec. 10; Serial No. 288,186; published Oct. 1, 1929. Class 32.

Harvel Corporation, The, Newark, N. J. Electrical insulation compounds and fabrics. 265,021-2; Dec. 10; Serial Nos. 287,069-70; published Sept. 24, 1929. Class 21.

Harvel Corporation, The, Newark, N. J. Electrical insulation compounds and fabrics. 265,023; Dec. 10; Serial No. 287,073; published Sept. 24, 1929. Class 21.

Hauseman, Mrs. T. E., doing business as One Long Hop Candy Company, South Pottstown, Pa. Candy. 265,009; Dec. 10; Serial No. 287,757; published Sept. 10, 1929. Class 46.

Heating Systems & Supply Co., Joliet, Ill. Heating furnaces, boilers, humidifiers, etc. 264,818; Dec. 10; Serial No. 287,075; published Sept. 24, 1929. Class 34.

Hilsenbeck, L., Inc., New York, N. Y. Prophylactic rubber articles. 264,963; Dec. 10; Serial No. 287,857; published Sept. 24, 1929. Class 44.

Hunkley & Schmitt, Chicago, Ill. Ginger ale. 264,966; Dec. 10; Serial No. 287,472; published Oct. 1, 1929. Class 45.

Hirsh, Henry, doing business as Home Beverage Co., Chicago, Ill. Malt extract. 264,927; Dec. 10; Serial No. 266,202; published Oct. 1, 1929. Class 46.

Hoffman Beverage Company, Newark, N. J. Beverages. 264,867; Dec. 10; Serial No. 284,539; published Sept. 24, 1929. Class 45.

Holland Coffee Company, Inc., Nashville, Tenn. Coffee. 264,928; Dec. 10; Serial No. 264,644; published Sept. 24, 1929. Class 46.

Holloway, M. J., & Company, Chicago, Ill. Candy. 265,010; Dec. 10; Serial No. 287,820; published Sept. 24, 1929. Class 46.

Home Beverage Co., (See Hirsh, Henry.)

Hudson Motor Car Company, Detroit, Mich. Gasoline trucks. 264,974; Dec. 10; Serial No. 285,974; published Oct. 1, 1929. Class 19.

Huntington Shoe and Leather Company, Huntington, Ind. Boots and shoes. 264,959; Dec. 10; Serial No. 285,819; published Oct. 1, 1929. Class 39.

Hy-Tone Laboratories, Nashville, Tenn. Hair tonic, hair pomade, a preparation for treating dandruff. 264,869; Dec. 10; Serial No. 286,789; published Sept. 24, 1929. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Threads and yarns. 264,832; Dec. 10; Serial No. 287,801; published Sept. 24, 1929. Class 43.

Industrial Chemical & Supply Co., Inc., Atlanta, Ga. Plastic semimetallic stuffing-box packing. 264,880; Dec. 10; Serial No. 287,531; published Sept. 24, 1929. Class 35.

International Extract Co., (See Paul, Milton.)

International Mailing Tube and Wrapper Company, New York, N. Y. Mailing wrappers, tubes, boxes. 264,991; Dec. 10; Serial No. 259,338; published Feb. 26, 1929. Class 2.

Italian & American Cash & Carry Grocery & Meat Market, (See Naso, Vincent C.)

Jacobites, Ann Marie, doing business as Mrs. Jacobites, Detroit, Mich. Sweet pickled beets. 264,856; Dec. 10; Serial No. 283,400; published Sept. 24, 1929. Class 46.

Jennings Silver Company, Inc., Irvington, N. J. Coffee pots, sugar bowls, bread trays, percolators, etc. 264,865; Dec. 10; Serial No. 278,541; published Sept. 24, 1929. Class 13.

Jessop, S. T. C., Inc., Chicago, Ill. Electrical lighters. 264,920; Dec. 10; Serial No. 269,527; published Sept. 24, 1929. Class 21.

Jewell Belt Hook Co., New Britain, Conn. Metallic belt hooks. 264,924; Dec. 10; Serial No. 268,159; published Sept. 24, 1929. Class 13.

K-Y Products Company, Houston, Tex. Diuretics, laxatives, cold compound, etc. 264,870; Dec. 10; Serial No. 286,782; published Sept. 24, 1929. Class 6.

"Keramaug" Keramische Werke Aktien-Gesellschaft, Bonn, Germany. Bathtubs, lavatories, toilet bowls, etc. 265,058; Dec. 10; Serial No. 282,692; published Sept. 24, 1929. Class 13.

Keyes Fibre Company, Inc., Waterville, Me. Plates and dishes made of paper pulp or fibre. 264,917; Dec. 10; Serial No. 270,429; published Sept. 24, 1929. Class 2.

Kidder, Wm. V., doing business as The Pyroll Company, La Crosse, Wis. Mechanical lubricators or oilers. 264,949; Dec. 10; Serial No. 288,343; published Oct. 1, 1929. Class 23.

Kleinert, I. B., Rubber Company, New York, N. Y. Shoulder straps. 264,962; Dec. 10; Serial No. 285,418; published Oct. 1, 1929. Class 40.

Knott & Garliss, Detroit, Mich. Massaging machine. 264,914; Dec. 10; Serial No. 270,595; published Dec. 4, 1928. Class 44.

Kosto Co., The, Chicago, Ill. Food preparation. 264,958; Dec. 10; Serial No. 285,975; published Oct. 1, 1929. Class 46.

Kriesel, William, Bossburg, Wash. Garden hose. 264,948; Dec. 10; Serial No. 288,425; published Oct. 1, 1929. Class 23.

Lancaster & Tonge Ltd., Manchester, England. Steam traps and unions. 76,029; renewed Dec. 7, 1929.

Langhorne Thomas Co., Berkeley, Calif. Automobile accessories. 264,861; Dec. 10; Serial No. 284,682; published Aug. 27, 1929. Class 35.

Loeber Hair Goods Co., The, Cleveland, Ohio. Flannels for use in hair waving. 264,975; Dec. 10; Serial No. 285,579; published Oct. 1, 1929. Class 44.

Loewendahl, Walther, Shoe Co., Inc., New York, N. Y. Shoes. 264,936; Dec. 10; Serial No. 287,881; published Oct. 1, 1929. Class 39.

Louisville Courier Journal, Louisville, Ky. Newspaper section. 265,007; Dec. 10; Serial No. 287,728; published Sept. 24, 1929. Class 38.

Louisville Courier Journal, Louisville, Ky. Magazine. 265,011; Dec. 10; Serial No. 287,827; published Sept. 24, 1929. Class 38.

Loxite, Incorporated, Chicago, Ill. Blasting explosives. 264,845; Dec. 10; Serial No. 287,538; published Sept. 24, 1929. Class 9.

Mac-Roh Sales & Manufacturing Co., Davenport, Iowa. Bread slicing and wrapping machinery. 264,873; Dec. 10; Serial No. 287,419; published Sept. 24, 1929. Class 23.

Major Manufacturing Co., New York, N. Y. Adhesive cement. 264,921; Dec. 10; Serial No. 268,551; published Aug. 13, 1929. Class 5.

Manning, Lucius B., Chicago, Ill. Airplanes. 264,820; Dec. 10; Serial No. 287,354; published Sept. 24, 1929. Class 19.

Marsh, M. & Son, Inc., Wheeling, W. Va. Stogies and cigars. 265,000-1; Dec. 10; Serial Nos. 288,754-5; published Sept. 24, 1929. Class 17.

Max Drug Company, Alton, Mo. Compound for treating colds, coughs, catarrh, etc. 264,875; Dec. 10; Serial No. 285,525; published Sept. 24, 1929. Class 6.

Mayer, Jakob, doing business as Mayer & Grammelspacher, Rastatt, Germany. Toy guns, pistols, air guns, etc. 264,980; Dec. 10; Serial No. 272,827; published Sept. 24, 1929. Class 22.

McCall's Laboratories, Calgary, Alberta, Canada. Mouth wash. 264,988; Dec. 10; Serial No. 275,624; published Sept. 24, 1929. Class 6.

McMurray, William, and Company, St. Paul, Minn. Coffee, tea, cocoa, jelly powder, etc. 264,994; Dec. 10; Serial No. 249,392; published Oct. 25, 1927. Class 46.

Mindlin, Morris, doing business as Empire Outfitters Company and Aircraft Razor Blade Co., New York, N. Y. Safety-razor blades. 264,827; Dec. 10; Serial No. 288,023; published Sept. 24, 1929. Class 23.

Morris, I. P., and De La Vergne, Inc., Philadelphia, Pa. Compressors and internal-combustion engines. 264,866; Dec. 10; Serial No. 281,917; published Sept. 24, 1929. Class 23.

Morrison, Frances H., Tampico, Mex. Brassieres, camisoles, and corsets. 264,926; Dec. 10; Serial No. 266,873; published July 17, 1928. Class 39.

Mortimer, Frank, Mills, Boston, Mass. Metal drains. 264,822; Dec. 10; Serial No. 287,831; published Sept. 24, 1929. Class 13.

Muller and Rans Company, San Francisco, Calif. Hats. 264,846; Dec. 10; Serial No. 287,710; published Sept. 24, 1929. Class 39.

Murphy, James J., doing business as U. S. Air & Vacuum Valve Company, New Haven, Conn. Air and vacuum valves. 264,814; Dec. 10; Serial No. 286,879; published Sept. 24, 1929. Class 13.

Naborhood Paint Stores, Incorporated, Milwaukee, Wis. Paints, enamels, varnishes, and stains. 264,906; Dec. 10; Serial No. 287,765; published Sept. 24, 1929. Class 16.

Naso, Vincent C., doing business as Italian & American Cash & Carry Grocery & Meat Market, Cleveland, Ohio. Canned coffee, spaghetti, and macaroni, and bottled olive oil. 264,899; Dec. 10; Serial No. 286,581; published Sept. 24, 1929. Class 46.

National Cap Manufacturing Company, The, Toledo, Ohio. Hats and caps. 264,851; Dec. 10; Serial No. 284,010; published Sept. 24, 1929. Class 39.

National Committee on Correct Style, Inc., The, Chicago, Ill. Women's hats. 264,930; Dec. 10; Serial No. 261,127; published Sept. 24, 1929. Class 39.

National Gary Corporation, New York, N. Y. Hair nets. 264,837; Dec. 10; Serial No. 288,508; published Sept. 24, 1929. Class 42.

National Gary Corporation, New York, N. Y. Hair nets. 264,838; Dec. 10; Serial No. 288,510; published Sept. 24, 1929. Class 42.

National Gary Corporation, New York, N. Y. Hair nets. 264,839-40; Dec. 10; Serial Nos. 288,512-13; published Sept. 24, 1929. Class 42.

National Rug & Hammock Mills, Milwaukee, Wis. Rug cushions and rug pads. 265,026; Dec. 10; Serial No. 280,934; published Oct. 1, 1929. Class 32.

Neveroll Bearing Company, Wakefield, Mass. Bearings. 264,953; Dec. 10; Serial No. 288,201; published Oct. 1, 1929. Class 23.

Noack, Walter G., Oakland, Calif. Irrigation pumps, pumping and water-pressure systems. 265,028; Dec. 10; Serial No. 281,786; published Oct. 1, 1929. Class 23.

Norton, Adelaide I., Philadelphia, Pa. Monthly publication or magazine. 265,018; Dec. 10; Serial No. 287,641; published Sept. 24, 1929. Class 38.

Olive Branch Company, The, doing business as The Olive Branch Remedy Company, South Bend, Ind. Preparations for diseases of women. 264,877; Dec. 10; Serial No. 286,692; published Sept. 24, 1929. Class 6.

One Long Hop Candy Company, (See Hauseman, Mrs. T. E.)

Oshkosh Brewing Co., The, doing business as Oshkosh Malt Products Company, Oshkosh, Wis. Malt syrup. 264,937; Dec. 10; Serial No. 287,838; published Oct. 1, 1929. Class 46.

Palmer, I. E., Co., The, Middletown, Conn. Textile goods. 264,996; Dec. 10; Serial No. 122,949; published Dec. 30, 1918. Class 42.

Parson Hat Co., Chicago, Ill. Hats and caps. 264,847; Dec. 10; Serial No. 284,951; published Sept. 24, 1929. Class 39.

Paramount Famous Lasky Corp., New York, N. Y. Motion-picture photoplays. 264,952; Dec. 10; Serial No. 288,202; published Oct. 1, 1929. Class 26.

Parker Brothers Inc., Portland, Me., and Salem, Mass. Game. 264,945; Dec. 10; Serial No. 288,663; published Oct. 1, 1929. Class 22.

Parma Importing Company, St. Louis, Mo. Macaroni products. 265,036; Dec. 10; Serial No. 282,426; published Oct. 1, 1929. Class 46.

Patermann, Gebr. (See Chemische Fabrik Gebr. Patermann, successor.)

Paul, Milton, doing business as International Extract Co., New York, N. Y. Flavoring extracts for malt beverages. 265,045; Dec. 10; Serial No. 280,272; published Sept. 24, 1929. Class 48.

Paul, Milton, doing business as International Extract Co., New York, N. Y. Flavoring extracts for malt beverages. 265,046; Dec. 10; Serial No. 280,273; published Sept. 24, 1929. Class 45.

Pennant Oil & Grease Co., Inc., Los Angeles, Calif. Lubricating oils and greases. 264,909; Dec. 10; Serial No. 287,489; published Sept. 24, 1929. Class 15.

Pep Boys—Manny, Moe & Jack, The, doing business as Cadet Storage Battery Co., Philadelphia, Pa. Storage batteries. 265,054; Dec. 10; Serial No. 286,706; published Sept. 24, 1929. Class 21.

Pep Boys—Manny, Moe & Jack, The, doing business as Varsity Products Co., Philadelphia, Pa. Penetrating oils. 265,055; Dec. 10; Serial No. 286,712; published Sept. 24, 1929. Class 15.

Pilgrim Wadding Ring Company, New York, N. Y. Finger rings. 264,987; Dec. 10; Serial No. 276,328; published Sept. 24, 1929. Class 28.

Po-Ho Sanitäts-Werk, (See Witt, Otto J., assignor.)

Polefsky, Jacob S., New York, N. Y. Barley-malt syrup. 264,933; Dec. 10; Serial No. 288,029; published Oct. 1, 1929. Class 46.

Prager Co., Inc., The, Brooklyn, N. Y. Wall paper. 265,017; Dec. 10; Serial No. 287,594; published Sept. 24, 1929. Class 37.

Purity Food Products Co., (See Roider, John N.)

Pyroll Company, (See Kidder, Wm. V.)

Randall, C. Ray, & Co., North Attleboro, Mass. Necklaces, neck chains, pendants, etc. 265,053; Dec. 10; Serial No. 286,589; published Sept. 24, 1929. Class 28.

Red Fox Orchards, Orange, Calif. Fresh citrus fruits. 264,993; Dec. 10; Serial No. 253,607; published July 31, 1928. Class 46.

Red River Refining Company, Inc., Chicago, Ill. Lubricating oils. 264,857; Dec. 10; Serial No. 278,414; published Mar. 19, 1929. Class 15.

Reed & Carnrick, Jersey City, N. J. Medicinal products. 265,044; Dec. 10; Serial No. 279,813; published Sept. 24, 1929. Class 6.

Republic Brass Corporation, New York, N. Y. Bronze and other nonferrous metal alloys. 264,954; Dec. 10. Class 14.

Richards, Willard R., doing business as Richards-Sun, Denew, N. Y. Arc lamps used for medical purposes. 264,965; Dec. 10; Serial No. 287,718; published Sept. 24, 1929. Class 44.

Rich's, B., Sons, to B. Rich's Sons, successor, Washington, D. C. Leather and cloth boots, shoes, oxfords, and slippers. 76,796; renewed Feb. 15, 1930.

Riverside & Dan River Cotton Mills, Danville, Va. Bedspreads. 264,850; Dec. 10; Serial No. 278,361; published Sept. 24, 1929. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton shirting. 264,934; Dec. 10; Serial No. 287,940; published Oct. 1, 1929. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton plaid and check goods. 264,935; Dec. 10; Serial No. 287,939; published Oct. 1, 1929. Class 42.

Roadless Traction, Limited, Hounslow, England. Endless tracks for vehicles. 264,983; Dec. 10; Serial No. 274,132; published Sept. 24, 1929. Class 23.

Robinson Milling Co., The, Salina, Kans. Wheat flour. 265,013; Dec. 10; Serial No. 287,943; published Sept. 24, 1929. Class 46.

Rockland Chemical Company, (See Wittmann, John N., Jr.)

Roady, John N., doing business as Purity Food Products Co., Kansas City, Mo. Fruit and colored powder used in making soft drinks. 264,874; Dec. 10; Serial No. 287,942; published Sept. 24, 1929. Class 45.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Roth-Büchner Aktiengesellschaft, Berlin-Tempelhof, Germany. Corn planes and blades therefor. 265,037; Dec. 10; Serial No. 278,064; published Oct. 1, 1929. Class 44.

Rowley, J. F. Company, The, Chicago, Ill. Joint mechanism of artificial limbs. 264,971; Dec. 10; Serial No. 286,955; published Oct. 1, 1929. Class 44.

Royal Pencil Corporation, Corona, N. Y. Pencils and pens. 264,864; Dec. 10; Serial No. 280,418; published Sept. 24, 1929. Class 37.

Ruble Blade Corporation, New York, N. Y. Razor blades. 264,939-40; Dec. 10; Serial Nos. 288,817-18; published Oct. 1, 1929. Class 23.

St. Paul and Tacoma Lumber Co., Tacoma, Wash. Wooden shingles. 264,901; Dec. 10; Serial No. 285,382; published Sept. 3, 1929. Class 12.

Sands Manufacturing Company, The, doing business as Winner Heater Co., Cleveland, Ohio. Gas water heaters. 264,831; Dec. 10; Serial No. 286,203; published Sept. 24, 1929. Class 34.

Saxe Embroidery Company, New York, N. Y. Embroidered medallions and monograms. 265,033; Dec. 10; Serial No. 278,192; published Oct. 1, 1929. Class 40.

Schleper, Johannes, doing business as J. Schleper & Zonen, Amsterdam, Netherlands. Electric stoves, electric flatirons, and connectors for electrical conductors. 264,824; Dec. 10; Serial No. 285,891; published Sept. 24, 1929. Class 21.

Seaman Paper Company, Chicago, Ill. Rotogravure papers, printing, writing, book, and cover papers. 264,968; Dec. 10; Serial No. 287,368; published Oct. 1, 1929. Class 37.

Shaeffer, W. A., Pen Co., Port Madison, Iowa. Fountain pens and pencils. 265,027; Dec. 10; Serial No. 281,110; published July 23, 1929. Class 37.

Sharpville Boiler Works Co., Sharpville, Pa. Oil measuring and dispensing unit. 264,883; Dec. 10; Serial No. 287,546; published Sept. 24, 1929. Class 26.

Sheer, H. M., Company, Quincy, Ill. Temperature regulators and thermostats. 264,964; Dec. 10; Serial No. 287,722; published Oct. 1, 1929. Class 26.

Shu Stiles, Incorporated, St. Louis, Mo. Shoes. 264,833; Dec. 10; Serial No. 287,847; published Sept. 24, 1929. Class 39.

Simon, Isidore, Chicago, Ill. Boots, slippers, and shoes. 265,035; Dec. 10; Serial No. 278,851; published Oct. 1, 1929. Class 39.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 264,872; Dec. 10; Serial No. 287,207; published Sept. 24, 1929. Class 23.

Simone, A., & Sons Co., Providence, R. I. Hair tonic. 264,876; Dec. 10; Serial No. 286,206; published Sept. 24, 1929. Class 6.

Simplex Paper Box Company, Littitz, Pa. Paper boxes. 265,049; Dec. 10; Serial No. 281,172; published May 21, 1929. Class 2.

Simplex Valve & Meter Company, Philadelphia, Pa. Liquid and gas meters, manometers, etc. 264,912-13; Dec. 10; Serial Nos. 270,864-5; published Sept. 24, 1929. Class 26.

Sinclair Refining Company, New York, N. Y. General lubricating oil for household purposes. 264,843; Dec. 10; Serial No. 285,792; published Sept. 24, 1929. Class 15.

Smith, D. B., & Company, Inc., Utica, N. Y. Preparation for killing flies and germs and insecticide. 264,826; Dec. 10; Serial No. 287,946; published Sept. 24, 1929. Class 6.

Smith, Travis O., Denver, Colo. Lubricating oils and greases. 264,925; Dec. 10; Serial No. 267,807; published Oct. 16, 1928. Class 15.

Snowflake Canning Co. (See Baxter, H. C. & Bro.)

Soc. Coop. "Ostendia," Breedene, near Ostend, Belgium. Preserved and canned fish. 264,922; Dec. 10; Serial No. 268,320; published Oct. 9, 1928. Class 46.

Soc. Coop. "Ostendia," Breedene, near Ostend, Belgium. Preserved and canned fish. 264,923; Dec. 10; Serial No. 268,319; published Aug. 28, 1928. Class 46.

Société des Fromages Gerber, Paris, France. Cheese. 265,002; Dec. 10; Serial No. 288,092; published Sept. 24, 1929. Class 46.

Sollittre Table Company, The, Old Saybrook, Conn. Tray tables. 264,986; Dec. 10; Serial No. 276,905; published Oct. 1, 1929. Class 32.

Solomon, Maurice, doing business as Solomon Cap Company, Yonkers, N. Y. Hats. 264,956; Dec. 10; Serial No. 287,547; published Oct. 1, 1929. Class 39.

Soltan, Robert, & Co., assignor, by mesne assignments, to Bishop Gutta-Percha Company, New York, N. Y. Gutta-percha tissues. 75,338; renewed Sept. 21, 1929.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Cleaning fluid and solvents, etc. 264,978; Dec. 10; Serial No. 272,058; published Apr. 16, 1929. Class 4.

Standard Ring Company, Boston, Mass. Wedding rings. 264,910; Dec. 10; Serial No. 288,158; published Sept. 24, 1929. Class 28.

Starr Knitting Mills, Inc., Pleasantville, N. J. Knitted dishwashing cloths. 264,844; Dec. 10; Serial No. 287,883; published Sept. 24, 1929. Class 42.

Starr Knitting Mills, Inc., Pleasantville, N. J. Washing cloths. 264,895; Dec. 10; Serial No. 287,882; published Sept. 24, 1929. Class 42.

Stearman Aircraft Company, The, Wichita, Kans. Airplane shock absorbers. 265,050; Dec. 10; Serial No. 283,765; published Sept. 3, 1929. Class 19.

Sterling Oil Company, Emmenton, Pa. Lubricating oils, illuminating oils, etc. 264,915; Dec. 10; Serial No. 270,522; published Sept. 18, 1928. Class 15.

Stowe & Woodward Company, Newton Upper Falls, Mass. Rolls for machinery. 264,889; Dec. 10; Serial No. 288,093; published Oct. 1, 1929. Class 23.

Stuart Industrial Service Inc., Chicago, Ill. Washing powder. 264,855; Dec. 10; Serial No. 280,422; published Apr. 30, 1929. Class 4.

Sullivan, James A., doing business as C & S Company, Denver, Colo. Stomach powders. 265,041; Dec. 10; Serial No. 277,857; published Sept. 24, 1929. Class 6.

Ternstedt Manufacturing Company, Detroit, Mich. Automobile door-handle assemblies. 264,970; Dec. 10; Serial No. 287,165; published Oct. 1, 1929. Class 13.

Texas Carlsbad Water Co. (See Crazy Water Hotel Company.)

Trav-Ler Manufacturing Corporation, St. Louis, Mo. Wet and dry batteries, power packs, rectifying tubes, and vacuum tubes. 264,892-3; Dec. 10; Serial Nos. 287,438-9; published Sept. 24, 1929. Class 21.

United Cranberry Exchange. (See Berkowitz, Abraham.)

United Reproducers Corporation, Springfield, Ohio. Radio loud-speakers. 264,907; Dec. 10; Serial No. 287,680; published Sept. 24, 1929. Class 21.

U. S. Air & Vacuum Valve Company. (See Murphy, James J.)

United States Envelope Company, Springfield, Mass. Paper cups. 265,048; Dec. 10; Serial No. 280,362; published Sept. 24, 1929. Class 2.

United States Register Co., Battle Creek, Mich. Warm-air registers and pipes and parts thereof. 264,985; Dec. 10; Serial No. 276,940; published Sept. 24, 1929. Class 34.

United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Hose, belting, and packing. 265,040; Dec. 10; Serial No. 277,644; published Oct. 1, 1929. Class 35.

Van Leeuwen, George G. B., Portland, Oreg. Therapeutic bandages. 265,032; Dec. 10; Serial No. 284,430; published Sept. 24, 1929. Class 44.

Varsity Products Co. (See Pep Boys—Manny, Moe & Jack, The.)

Venus Specialty Company, West Bend, Wis. Vibrators for therapeutic purposes. 265,029; Dec. 10; Serial No. 283,633; published July 16, 1929. Class 44.

Versis, Speros, doing business as Versis Food Specialty Co., Washington, D. C. Peanut-butter sandwiches. 265,016; Dec. 10; Serial No. 287,553; published Sept. 24, 1929. Class 46.

Vita Dry, Inc., Cleveland, Ohio. Ginger ale. 264,973; Dec. 10; Serial No. 286,705; published Oct. 1, 1929. Class 45.

Vogue Brassiere Mfg. Co., Newark, N. J. Brassières, corsets, and girdles, etc. 264,900; Dec. 10; Serial No. 286,286; published Sept. 17, 1929. Class 39.

Walker Body Company, Amesbury, Mass. Automobile bodies. 264,821; Dec. 10; Serial No. 287,634; published Sept. 24, 1929. Class 19.

Ward, Weldon M., New York, N. Y. Ventilated beach hats. 265,034; Dec. 10; Serial No. 278,616; published Oct. 1, 1929. Class 39.

Ware Manufacturing Corporation, Trenton, N. J. Radio transmitting and receiving sets, coils, and repair parts therefor. 264,854; Dec. 10; Serial No. 284,921; published Sept. 24, 1929. Class 21.

Weber, Isaac N., New York, N. Y. Motion-picture films. 265,031; Dec. 10; Serial No. 284,211; published Oct. 1, 1929. Class 26.

Webster, William A., Company, Memphis, Tenn. Dental and after-shaving cream, face powder, etc. 264,979; Dec. 10; Serial No. 273,123; published Sept. 24, 1929. Class 6.

Webster, William A., Company, Memphis, Tenn. Creams, face powders, face creams, etc. 264,981-2; Dec. 10; Serial Nos. 273,124-5; published Sept. 24, 1929. Class 6.

Webster, William A., Company, Memphis, Tenn. Creams, face powders, face creams, etc. 264,984; Dec. 10; Serial No. 273,126; published Sept. 24, 1929. Class 6.

Webster, William A., Company, Memphis, Tenn. Shaving cream, dental cream, cold cream, etc. 264,990; Dec. 10; Serial No. 274,180; published Sept. 24, 1929. Class 6.

West Coast Preserves, Inc., Los Angeles, Calif. Jams, jellies, syrups, etc. 264,955; Dec. 10; Serial No. 287,633; published Oct. 1, 1929. Class 46.

Whiting-Adams Company, Boston, Mass. Brushes. 264,918; Dec. 10; Serial No. 270,403; published Sept. 24, 1929. Class 29.

Wichita Daily Eagle, The, Wichita, Kans. Section containing special news matter of local interest. 264,992; Dec. 10; Serial No. 288,777; published Sept. 24, 1929. Class 38.

Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 264,842; Dec. 10; Serial No. 285,761; published Sept. 24, 1929. Class 15.

Winner Heater Co. (See Sands Manufacturing Company, The.)

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Winthrop Chemical Company. (See Farbenfabriken of Elberfeld Company, assignor.)

Witt, Otto J. J., assignor to Po-Ho Sanitäts-Werk, Hamburg, Germany. Inhaling instruments and apparatus. 77,146; renewed Mar. 15, 1930.

Wittmann, John N., Jr., doing business as Rockland Chemical Compound, Newark, N. J. Liquid fly and lice application. 264,871; Dec. 10; Serial No. 286,843; published Sept. 24, 1929. Class 6.

Wright & Ditson, Boston, Mass. Golf balls. 264,946; Dec. 10; Serial No. 288,628; published Oct. 1, 1929. Class 22.

York Heating and Ventilating Corporation, Bridgeport and Philadelphia, Pa. Indirect-heating coils and heating pipes and blast radiation apparatus. 264,831; Dec. 10; Serial No. 261,091; published Apr. 23, 1929. Class 34.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

Annette's Perfect Cleanser Co. (See Jennings, Annette R.)

Armand Import Corporation, New York, N. Y. Vin Tonique Français Masson. For a Tonic. 36,718; Dec. 10.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Kernelcorn. For Canned Corn. 36,719; Dec. 10.

Brachulis, Vincent J., doing business as Pittsburgh Barbers Supply Company, Pittsburgh, Pa. Ideal Eau de Quinine Compound Hair Tonic. For Hair Tonic. 36,720; Dec. 10.

Chicago Carton Company, Chicago, Ill. Puss'n Boots. For Animal Crackers. 36,721; Dec. 10.

Gold Bond Sterilizing Powder Co., Inc., Fairhaven, Mass. Gold Bond. For Toilet Powder. 36,722; Dec. 10.

Gold Fruit Association, Mason City, W. Va. Club. For Fresh Apples. 36,723; Dec. 10.

Gorton, George, Machine Co., Racine, Wis. Carbon Steel Cutters. For a Die-Sinking and Engraving Cutter. 36,724; Dec. 10.

Gorton, George, Machine Co., Racine, Wis. High Speed Steel Cutters. For a Die-Sinking and Engraving Cutter. 36,725; Dec. 10.

Gorton, George, Machine Co., Racine, Wis. One 21-1 Collet. For #21-1 Collets. 36,726; Dec. 10.

Hills Brothers Company, The, New York, N. Y. Dromedary Choco-Dates. For Dates. 36,727; Dec. 10.

Hub Chemical Co. (See Huebschman, Hyman.)

Hudson Wholesale Malt Co. (See Kline, Herman, and Ada Kline.)

Huebschman, Hyman, doing business as Ritz Chemical Co., Brooklyn, N. Y. Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. 36,728; Dec. 10.

Huebschman, Hyman, doing business as Hub Chemical Co., Brooklyn, N. Y. Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. 36,729; Dec. 10.

Jennings, Annette R., doing business as Annette's Perfect Cleanser Co., Boston, Mass. Annette's Perfect Cleanser. For Dry-Cleaning Composition for Fabrics, Furs and Felts. 36,730; Dec. 10.

Johnson's Bakery Inc., De Ridder, La. Foot Long. For Bread. 36,731; Dec. 10.

Jones, Jesse, Cookeville, Ontario, Canada. Flu-Rem. For Patent Medicine. 36,732; Dec. 10.

Kildow Cigar Company, Inc., The, Bethesda, Ohio. Garcia Mystery the Wonder Cigar. For Cigars. 36,733; Dec. 10.

Kline, Herman, and Ada Kline, doing business as Hudson Wholesale Malt Co., Hudson, N. Y. Keystone Brand. For Malt Syrup. 36,734; Dec. 10.

National Fisheries Co., Chicago, Ill. Silver Streak. For Briskling Sardines. 36,735; Dec. 10.

Pittsburgh Barbers Supply Company. (See Brachulis, Vincent J.)

Ritz Chemical Co. (See Huebschman, Hyman.)

Rycroft, Limited, Honolulu, Hawaii. Rycroft Hawaiian Pineapple Dry. For Carbonated Pineapple Beverage. 36,736; Dec. 10.

Standard Brands Incorporated, Dover, Del., Cincinnati, Ohio, and New York, N. Y. Fleischmann's Pure Dry Yeast. For Yeast Suitable for Diabetic and Medicinal Purposes. 36,737; Dec. 10.

Sun-Maid Raisin Growers of California, Fresno, Calif. Sun-Maid Dry Pack Prunes. For Canned Prunes. 36,738; Dec. 10.

Weaver, Herman, Baltimore, Md. Mastertone. For Violins. 36,739; Dec. 10.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

Black, Starr & Frost-Gorham, Inc., New York, N. Y. Whether It's a \$5 Gift or a \$5000 Gift. . . For Jewelry and Silverware. 12,242; Dec. 10.

Brown Durrell Company, Boston, Mass. There's a Gordon Individually Proportioned Stocking for You. For Hosiery. 12,243; Dec. 10.

Brown Durrell Company, Boston, Mass. Consider Your Figure! Perhaps You Should Wear Gordon Pettie. For Hosiery. 12,244; Dec. 10.

Brown Durrell Company, Boston, Mass. 'Princess'—An Individually Proportioned Stocking by Gordon—is for the Modern Brief-Skirted Young Girl. For Hosiery. 12,245; Dec. 10.

De Bey, George H., Logan, Kans. We Patronize Our Home Town. For Road Signs. 12,246; Dec. 10.

Foster, Robert O., doing business as Foster & Waldo, Minneapolis, Minn. Radio-Torium. For Radios. 12,247; Dec. 10.

Goodwin, Richard, Los Angeles, Calif. Pushing a Good Thing Along. For Automobile Tires. 12,248; Dec. 10.

Nashua Manufacturing Company, Nashua, N. H. Not Just Two Blankets. For Blankets. 12,249; Dec. 10.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alexander, G. W., & Co., Inc., Reading, Pa. Fur-felt hats. 291,543; Dec. 10. Class 39.

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Diaper cloth, long cloths, lingerie cloth, and cotton fabrics. 233,805; Dec. 10. Class 42.

Anthony, C. R., Company, Oklahoma City, Okla. Work pants, shirts, coats, etc. 291,197; Dec. 10. Class 39.

Apex Products Corporation, Chicago, Ill. Floor polish and wax, paint remover. 290,390; Dec. 10. Class 16.

Arrowhead Springs Beverage Co., Los Angeles, Calif. Beverage. 289,410; Dec. 10. Class 45.

Artcrafters, The, Custer, S. Dak. Articles formed from crude ores, semiprecious stones, etc. 282,017; Dec. 10. Class 2.

Atlas Process Co., Inc., Philadelphia, Pa. Preparation for removing soot, scale, and carbon. 289,869; Dec. 10. Class 6.

Atlas Process Co., Inc., Philadelphia, Pa. Preparation for treating coal. 290,870; Dec. 10. Class 6.

Atlas Tack Corporation, Fairhaven, Mass. Buttons. 289,052; Dec. 10. Class 40.

Bacon Formula Company, Putnam, Conn. Cow medicine. 291,045; Dec. 10. Class 6.

Ball, F. M., & Company, San Francisco, Calif. Canned fruits and fish. 290,396; Dec. 10. Class 46.

Barnes Chemical Co., Inc., New York, N. Y. Medicinal preparation. 281,396; Dec. 10. Class 6.

Barrett, Bessie M., doing business as Modernistique Garment Co., Los Angeles, Calif. Underwear. 283,484; Dec. 10. Class 39.

Bedford Johnson Co., Inc., New York, N. Y. Trousers. 290,880; Dec. 10. Class 39.

Belersdorf, P., & Co., Inc., New York, N. Y. Waxlike substance. 290,206; Dec. 10. Class 6.

Belding Heminway Company, New York, N. Y. Silk piece goods. 289,061; Dec. 10. Class 42.

Belgian Leather Company, New York, N. Y. Material composed of braided strips of leather with a cloth backing. 289,000; Dec. 10. Class 50.

Ben-Burk, Incorporated, Boston, Mass. Malt extracts and syrups. 282,898; Dec. 10. Class 46.

Berger, Joe R., doing business as Moonbeam Food Products Company, Cincinnati, Ohio. Mayonnaise and tartar sauce. 283,776; Dec. 10. Class 46.

Berliner, Edwin E., & Co., New York, N. Y. Cotton piece goods. 289,960; Dec. 10. Class 42.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Bettinger Enamel Corporation, Waltham, Mass. Stove-pipe and flue pipe. 290,681; Dec. 10. Class 34.

Blair & Mortenson, doing business as Chromite Co., Chicago, Ill. Metallic wall covering. 283,169-70; Dec. 10. Class 12.

Blazic, Antone, Sawtelle, Calif. Artificial tree. 284,389; Dec. 10. Class 50.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 291,200; Dec. 10. Class 42.

Bochmann, P. A. & Co., Inc., Philadelphia, Pa. Worsted and woolen dress goods. 291,813-14; Dec. 10. Class 42.

Bradstreet Company, The, New York, N. Y. Newspaper and rating books. 283,559; Dec. 10. Class 38.

Buchanan, Robert B., Memphis, Tenn. Garden, field, and lawn seeds. 185,281; Dec. 10. Class 1.

Bullion and Huey, Mount Pleasant, Tenn. Medicinal preparation. 286,153; Dec. 10. Class 6.

Burnstine, Mack M., St. Louis, Mo. Finger rings, chains, lockets, etc. 291,479; Dec. 10. Class 28.

C. R. Products, Inc., New York, N. Y. Shampoos. 291,349; Dec. 10. Class 6.

Cameron, William J., doing business as Cameron Electromat Co., Chicago, Ill. Safety razors and parts thereof. 286,975; Dec. 10. Class 23.

Carborundum Company, The, Niagara Falls, N. Y. Furnaces and parts thereof, muffles and parts thereof, etc. 284,046; Dec. 10. Class 34.

Century Stove & Manufacturing Co., Johnstown, Pa. Electric portable reflecting heaters. 290,302; Dec. 10. Class 21.

Chaplin, Lawrence G., Macomb, Ill. Combined glass holders and ash trays. 290,740; Dec. 10. Class 8.

Chattanooga Drug & Chemical Company, Chattanooga, Tenn. Chill tonic. 287,046; Dec. 10. Class 6.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics. 291,905; Dec. 10. Class 42.

Cherlin Co., Elizabeth, N. J. Laxative. 289,181; Dec. 10. Class 6.

Childs, H. & Co., Inc., Pittsburgh, Pa. Shoes. 290,303; Dec. 10. Class 39.

Chinese Mission Society, The, St. Columbans, Nebr. Periodical or magazine. 288,316; Dec. 10. Class 38.

Chromite Co. (See Blair & Mortenson.)

Chrystal, Charles B., Company, Inc., New York, N. Y. Infusorial earth or kieseguh. 289,146; Dec. 10. Class 1.

City Baking Company, The, Akron, Ohio. Bread, rolls, cakes, and pastries. 282,172; Dec. 10. Class 46.

Clarendon Shoe Co., Inc., Brooklyn, N. Y. Shoes, boots, slippers, and pumps. 290,650; Dec. 10. Class 39.

Cleveland Pretzel & Potato Chip Company, The, Cleveland, Ohio. Egg noodles. 291,325; Dec. 10. Class 46.

Colorado Petroleum Products Co., Denver, Colo. Gasoline, lubricating oils, and greases. 289,265; Dec. 10. Class 15.

Compagnie du Phonographe "Colibri" S. A., Brussels, Belgium. Phonographs, talking machines, and parts thereof. 287,401; Dec. 10. Class 36.

Compania de Productos Marinos, Sociedad Anonima, Ensenada, Lower California, Mexico. Canned fish, shellfish, preserved fish, etc. 271,921; Dec. 10. Class 46.

Compania de Productos Marinos, Sociedad Anonima, Ensenada, Lower California, Mexico. Canned fish, shellfish, preserved fish, etc. 272,237; Dec. 10. Class 46.

Concert-Trope Manufacturing Corp., Indianapolis, Ind. Phonographs. 289,784; Dec. 10. Class 36.

Craig, Burnie J., Los Angeles, Calif. Score cards, score sheets, and score books. 290,553; Dec. 10. Class 37.

Crystal Products Co., Inc., New York, N. Y. Deodorant and insecticide. 291,205-6; Dec. 10. Class 6.

Crystal Products Co., Inc., New York, N. Y. Deodorant, disinfectant, insecticide, etc. 291,207; Dec. 10. Class 6.

Cummings, John E., Philadelphia, Pa. Tablets for medicinal purposes. 286,871; Dec. 10. Class 6.

Cunningham, E. T., Inc., New York, N. Y. Thermionic detector, amplifier, oscillator, etc. 272,646; Dec. 10. Class 21.

Cupples Company, Manufacturers, St. Louis, Mo. Bottle caps. 273,100; Dec. 10. Class 50.

Daley, John R., doing business as The Pyramid Company, Rawlins, Wyo. Mud-laden material for sealing oil and gas wells. 290,118; Dec. 10. Class 12.

De Coursey Creamery Company, Kansas City, Kans. Oleomargarine. 290,680; Dec. 10. Class 46.

Demley, Inc., New York, N. Y. Frame with cover for cigarette package. 291,552; Dec. 10. Class 8.

Densol Specialty Paint Manufacturing Co., The, Independence, Ohio. Paint and varnish. 289,669; Dec. 10. Class 16.

Desrosiers Patents Company, Inc., Providence, R. I. Golf balls. 273,647; Dec. 10. Class 22.

Disney, Walter E., Hollywood, Calif. Motion pictures reproduced in copies for sale. 291,762; Dec. 10. Class 26.

Dobbs Shoe Company, Memphis, Tenn. Shoes. 290,690; Dec. 10. Class 39.

Dryden, Wheeler, New York, N. Y. Drawings. 290,245; Dec. 10. Class 38.

Eltinger-Schild Co., Inc., New York, N. Y. Skins, pelts, and furs. 278,287; Dec. 10. Class 1.

Ellas-Katz Shoe Factories, Inc., Los Angeles, Calif. Boots, shoes, and slippers. 291,082; Dec. 10. Class 39.

Emmons Loom Harness Company, Lawrence, Mass. Loom harnesses. 291,557; Dec. 10. Class 23.

Funsteel Products Company, Inc., North Chicago, Ill. Rare metals and their alloys. 289,824-5; Dec. 10. Class 14.

Fanz, Stefan E., Brookfield, Ill. Meat loaf. 290,691; Dec. 10. Class 46.

Farina, Johann M., Cologne-on-the-Rhine, Germany. Cologne water. 283,788; Dec. 10. Class 6.

Farina zur Madonna, Johann M. (See Marx, Louis.)

Firebrand Kitchen Equipment Company, The, New York, N. Y. Refrigerators. 279,536; Dec. 10. Class 31.

Fitch, Francis Emory, Inc., New York, N. Y. Job-printing products. 289,620; Dec. 10. Class 38.

Fleetscraft Airplane Corporation, Lincoln, Nebr. Aeroplanes and structural parts thereof. 288,954; Dec. 10. Class 19.

Foreythe Shoe Corporation, New York, N. Y. Ladies' shoes. 290,350; Dec. 10. Class 39.

Fort Dearborn Lithograph Co., Chicago, Ill. Bond papers. 290,567; Dec. 10. Class 37.

Franco Corset Company, New York, N. Y. Corsets. 288,910; Dec. 10. Class 39.

Freedman Cut-Outs, Inc., New York, N. Y. Easels constructed of cardboard or other fibrous material. 295,909; Dec. 10. Class 37.

Gamewell Company, The, Newton Upper Falls, Mass. Electrolyte for batteries. 291,561; Dec. 10. Class 6.

Gibbs & Company, Chicago, Ill. Netted caps. 289,788; Dec. 10. Class 39.

Gillette Safety Razor Company, Boston, Mass. Razor blades. 273,963; Dec. 10. Class 23.

Glass, Bridget, Johnstown, Pa. Ointment. 285,856; Dec. 10. Class 6.

Glicks, Friedrich, doing business as Friedrich Glicks, Spezial-Krauter-Tee-Handlung, Berlin, Germany. Drugs. 289,622; Dec. 10. Class 6.

Goddle, Albert, Berlin, Inc., New York, N. Y. Silk Piece goods. 282,510; Dec. 10. Class 42.

Golden Eagle Soap Company, San Francisco, Calif. Soaps. 290,403; Dec. 10. Class 4.

Golden Eagle Soap Company, San Francisco, Calif. Soap. 290,570; Dec. 10. Class 4.

Grady, J. H., Manufacturing Company, St. Louis, Mo. Indoor and outdoor playballs. 291,507; Dec. 10. Class 22.

Graphite Oils Company, Limited, The, Grimsby, England. Bituminous emulsions. 289,185; Dec. 10. Class 12.

Grasselli Chemical Company, The, Cleveland, Ohio. Insecticidal spray products. 284,851; Dec. 10. Class 6.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Syrup, peanut butter, olive relish, and jam. 286,369; Dec. 10. Class 46.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. 290,125; Dec. 10. Class 12.

Greenebaum Bros. & Company, Philadelphia, Pa. Boy's pajamas. 290,894; Dec. 10. Class 39.

Guerlain Perfumery Corporation of New York, New York, N. Y. Perfume. 291,765; Dec. 10. Class 6.

Halcomb Steel Company, Goddes, Syracuse, N. Y. Air-hardening die steel. 290,571; Dec. 10. Class 14.

Hanover Rubber Company, West Hanover, Mass. Rubber heels, soles, and half soles. 291,193; Dec. 10. Class 39.

Haves, Edward N., Detroit, Mich. Business magazine. 283,646; Dec. 10. Class 38.

Haynes-Henson Shoe Company, Knoxville, Tenn. Leather boots and shoes and shoes manufactured from leather and fabrics. 291,451; Dec. 10. Class 39.

Herwood Boot & Shoe Co., Worcester, Mass. Leather boots and shoes. 291,335; Dec. 10. Class 39.

Hickey-Freeman Co., Rochester, N. Y. Men's suits, topcoats, and overcoats. 270,423; Dec. 10. Class 39.

Hickman, Williams & Co., Cincinnati, Ohio. Pig iron, ferro alloys, and steel. 290,950; Dec. 10. Class 14.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 290,464; Dec. 10. Class 36.

Hollingshead, R. M., Co., The, Camden, N. J. Antifreeze fluid. 288,857; Dec. 10. Class 6.

Hornbecker, George A., doing business as The Washoff Chemical Company, Waterville, Conn. Paint and varnish removers. 282,351; Dec. 10. Class 16.

Hoyt's Brothers, Inc., Newark, N. J. Stove and nickel polish, soaps, shaving sticks, etc. 290,835; Dec. 10. Class 4.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Adhesives, liquid glues, photo pastes. 287,804; Dec. 10. Class 5.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Chemical products. 289,585; Dec. 10. Class 6.

Idalene Corporation, The, Toledo, Ohio. Roach powders and moth crystals. 282,901; Dec. 10. Class 6.

Iler Electrical Manufacturing Co., The, Warren, Ohio. Magnetic belts. 290,411-12; Dec. 10. Class 44.

Independent Grocers' Alliance Distributing Company, Chicago, Ill. Soap. 275,040; Dec. 10. Class 4.

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Industrial Grease & Drum, Inc., St. Paul, Minn. Lubricating greases, compounds, and oils. 270,636; Dec. 10. Class 15.

International Metals Sales Company, San Francisco, Calif. Bearing metal. 291,666; Dec. 10. Class 14.

International Silver Company, Meriden and Bridgeport, Conn. Tableware. 291,223-4; Dec. 10. Class 28.

Jenaer Glaswerk Schott & Gen., Jena, Germany. Phials and ampullae of glass. 283,281; Dec. 10. Class 33.

Johnson, A. M., Rayon Mills Incorporated, Dover, Del. Threads and yarns. 286,177; Dec. 10. Class 43.

Johnson, Albert M., Burlington, N. C. Textile fabrics. 289,461-2; Dec. 10. Class 42.

Katz, Frank, Hat Co., Inc., New York, N. Y. Men's hats. 291,165; Dec. 10. Class 39.

Kingston Mfg. Co., San Antonio, Tex. Clothing. 280,028; Dec. 10. Class 39.

Klain, Helen M., doing business as Samae Shampoo Co., Portland, Me. Shampoo flakes. 290,959; Dec. 10. Class 6.

Kleinert, I. B., Rubber Company, New York, N. Y. Bathing shoes. 291,276; Dec. 10. Class 39.

Koeri Trading Co., Inc., Los Angeles, Calif. Petroleum and its products. 290,833-4; Dec. 10. Class 15.

Krower, Leonard, & Son, Incorporated, New Orleans, La. Jewelry. 285,744; Dec. 10. Class 28.

Kvlin, Leonard, New Haven, Conn. Salad dressings, sandwich spreads, and meat dressings. 289,895; Dec. 10. Class 46.

Lakemill Textile Corporation, New York, N. Y. Viscose material. 290,898; Dec. 10. Class 1.

Lamont, James H., & Co., Ltd., Edinburgh, Scotland. Metal pipe couplings and tubular hot-water circulating apparatus for drying towels. 267,895; Dec. 10. Class 13.

Lewis Laboratories. (See Rudolph, Louis J.)

Linen Thread Company, The, New York, N. Y. Machine linen thread. 289,935; Dec. 10. Class 43.

Lionel Trading Co., Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 291,343; Dec. 10. Class 6.

Lovitone Company. (See Plater, Albert B.)

Lowell Sprayer Company, Lowell, Mich. Sprayers. 291,677; Dec. 10. Class 23.

Lumiere, Louis, Neuilly-sur-Seine, France. Acoustical amplifying horns and loud-speakers. 274,564; Dec. 10. Class 21.

Maison Elene. (See Schnuck, Ella.)

Marshall Furnace Company, Marshall, Mich. Hot-air furnaces. 290,713; Dec. 10. Class 34.

Marx, Louis, doing business as Johann Maria Farina zur Madonna, Cologne, Germany. Eau de cologne. 283,690; Dec. 10. Class 6.

Mate, Inc., Philadelphia, Pa. Compounds for cleaning the hands, shaving cream, soap powders, etc. 289,637; Dec. 10. Class 4.

McCafferty, James A., & Sons Manufacturing Company, Inc., Brooklyn, N. Y. White lead, zinc whites, paint enamels, etc. 290,581; Dec. 10. Class 16.

McCreery, James & Company, New York, N. Y. Coats, suits, frocks, gloves, etc. 290,759; Dec. 10. Class 39.

McDougall-Butler Co., Inc., Buffalo, N. Y. Paints, varnishes, paint enamels, etc. 283,880; Dec. 10. Class 16.

McEwen, Norman S., Nashville, Tenn. assignor to Oakleaf Mills, La Grange, Ga. Towel-service bureau. 283,850; Dec. 10. Class 2.

Merck & Co., Inc., Rahway, N. J. Purified wool fat prepared for medical and pharmaceutical purposes. 288,860; Dec. 10. Class 6.

Merck & Co., Inc., Rahway, N. J. Concentrated product of the active principles of cod-liver oil. 289,157; Dec. 10. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Medical preparation. 291,711; Dec. 10. Class 6.

Modernistique Garment Co. (See Barrett, Bessie M.)

Monsanto Chemical Works, St. Louis, Mo. Flavors and extracts for food. 281,843; Dec. 10. Class 46.

Monticello Drug Company, Jacksonville, Fla. Preparation to be used as a hair tonic, etc. 288,863; Dec. 10. Class 6.

Monticello Drug Company, Jacksonville, Fla. Preparation to be used for scalp cleaner and removing dandruff, etc. 288,864; Dec. 10. Class 6.

Moonbeam Food Products Company. (See Berger, Joe R.)

Moulet, Jean L. L. A. A., Boulogne-sur-Seine, France. Food pumps. 288,658-9; Dec. 10. Class 23.

Mulford, H. K., Company, Philadelphia, Pa. Active blood regenerative principle of the liver. 291,352; Dec. 10. Class 6.

Muralo Company, Inc., The, New Brighton, N. Y. Dry powder to be mixed with water and used for repairing damaged plastered surfaces. 280,758; Dec. 10. Class 12.

Naar, Mabel, doing business as Virginate Brassiere, New York, N. Y. Brassieres. 291,686; Dec. 10. Class 39.

Nash, Charles E., Beach Haven, N. J. Newspaper. 255,666; Dec. 10. Class 38.

National Trade Journals, Inc., New York, N. Y. Section of a monthly publication. 287,152; Dec. 10. Class 38.

New Bedford Rayon Company, New Bedford, Mass. Rayon yarns. 287,000; Dec. 10. Class 43.

Newcombe-Hawley, Inc., assignor to United Reproducers Corporation, St. Charles, Ill. Horns, cones, diaphragms, etc. 271,817; Dec. 10. Class 21.

Newport Company, The, Carrollville, Wis. Dyes and dye-stuffs. 291,689; Dec. 10. Class 6.

North Bros Mfg. Co., Philadelphia, Pa. Portable electric saws. 290,790; Dec. 10. Class 21.

Oakleaf Mills. (See McEwen, Norman S., assignor.)

O'Brien, Frank M., Greensboro, N. C. Razor blades. 291,574; Dec. 10. Class 23.

Optimol Laboratory. (See Richardson, Fredk.)

Panama Mfg. Co., Inc., New York, N. Y. Cotton and woolen piece goods. 290,592; Dec. 10. Class 42.

Para Rubber Company, Newark, N. J. Drapes, table covers, etc. 271,504; Dec. 10. Class 13.

Para Rubber Company, Newark, N. J. Shower curtains. 288,451; Dec. 10. Class 13.

Parfumerie Roger et Gallet, Société Anonyme, Paris, France. Eau de cologne, perfume extracts, etc. 281,159; Dec. 10. Class 6.

Parfumerie Roger et Gallet, Société Anonyme, Paris, France. Perfumery products and toilet preparations. 291,137; Dec. 10. Class 6.

Park Chemical Company, Detroit, Mich. Polishing and cleaning compounds. 289,981; Dec. 10. Class 16.

Pennsylvania-Dixie Cement Corporation, Nazareth, Pa. Portland cement. 290,082; Dec. 10. Class 12.

Pennsylvania-Dixie Cement Corporation, Nazareth, Pa. Portland cement. 290,195; Dec. 10. Class 12.

Philadelphia Magnesia Company, Philadelphia, Pa. Effervescent solution of magnesia. 291,405; Dec. 10. Class 6.

Philadelphia Wholesale Drug Company, Philadelphia, Pa. Drugs and chemicals. 290,084; Dec. 10. Class 6.

Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Automotive vehicles and their component parts. 290,321; Dec. 10. Class 19.

Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Automotive vehicles and their component parts. 290,593-4; Dec. 10. Class 19.

Plater, Albert B., doing business as Lovitone Company, Grosse Pointe Park, Mich. Skin lotion and face cream. 290,986; Dec. 10. Class 6.

Poole, Marion M., doing business as "Poole's Barber Shop," Richland Center, Wis. Tonic. 289,418; Dec. 10. Class 6.

Purity Original Pekan Pie Company. (See Sabrah, Abraham E.)

Pyramid Company, The. (See Daley, John R.)

Querfurter Zuckerfabrik Samenzucht Bergmann & Co. G. m. b. H., Querfurt, Germany. Sugar-beet seeds. 290,428; Dec. 10. Class 1.

Regalite Corporation of America, New York, N. Y. Composition of resinous matter. 285,171; Dec. 10. Class 1.

Republic Brass Corporation, New York, N. Y. Nonferrous metals and alloys thereof. 290,107; Dec. 10. Class 14.

Richardson, Fredk., doing business as Optimol Laboratory, New York, N. Y. Powder for preparing hair-waving lotions. 291,410; Dec. 10. Class 6.

Ritter, W. M., Lumber Company, Columbus, Ohio. Lumber. 289,985-91; Dec. 10. Class 12.

Ritter, W. M., Lumber Company, Columbus, Ohio. Lumber. 289,994; Dec. 10. Class 12.

Rocco and Co. (See Sirigiovanni, Rocco.)

Rohner, Frederic, New York, N. Y. Citrus pectin, citrus acid products. 289,945; Dec. 10. Class 46.

Rothschild, Maurice L., Incorporated, Chicago, Ill. Boys' coats, suits, and overcoats. 290,911; Dec. 10. Class 39.

Rudolph, Louis J., doing business as Lewis Laboratories, St. Joseph, Mo. Preparation for exterminating rats. 291,240; Dec. 10. Class 6.

Runkel Brothers, Inc., New York, N. Y. Food preparation. 283,347-8; Dec. 10. Class 46.

Sabrah, Abraham E., doing business as Purity Original Pekan Pie Company, Dallas, Tex. Candy confection. 289,165; Dec. 10. Class 46.

Saks Stamping Company, New York, N. Y. Bedpans. 282,254; Dec. 10. Class 44.

Samae Shampoo Co. (See Klain, Helen M.)

Schnuck, Ella, doing business as Ma'son Elene, New York, N. Y. Preparation of aromatic oils. 282,945; Dec. 10. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Shirts and lumber-jackets. 290,614; Dec. 10. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Men's felt hats. 291,241; Dec. 10. Class 39.

Seeman Brothers Inc., New York, N. Y. Food product used for decoration purposes. 288,569; Dec. 10. Class 46.

Seger, Hyman, Brooklyn, N. Y. Face powders, perfumes, rouge, etc. 291,584; Dec. 10. Class 6.

Sennett, Mack, Inc., Studio City, North Hollywood, Calif. Motion-picture photoplays. 286,612; Dec. 10. Class 26.

Shaffer-Kauffman Air Toy Co., Michigan City, Ind. Mechanical toy. 281,320; Dec. 10. Class 22.

Sherwood, H. J., Co., The, Cleveland, Ohio. Vaginal antiseptic powder. 291,585; Dec. 10. Class 6.

Shotwell Mfg. Co., The, Chicago, Ill. Marshmallows. 269,604; Dec. 10. Class 46.
 Simlanasky, Morris, doing business as M. Simlanasky & Co., New York, N. Y. Canvas cloth. 281,020; Dec. 10. Class 42.
 Simmons, George W., Corporation, New York, N. Y. Cold cream, perfume, compacts, etc. 283,469; Dec. 10. Class 6.
 Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 291,588; Dec. 10. Class 15.
 Sirgiovanni, Rocco, doing business as Rocco and Co., Schenectady, N. Y. Candy. 283,228; Dec. 10. Class 46.
 Smith, John A., Company, Milwaukee, Wis. Preparation for the treatment of rheumatism, lumbago, etc. 285,388; Dec. 10. Class 6.
 Societe a Responsabilite Limitee Bruyere, Paris, France. Face powders, rouge, toilet water, etc. 278,755; Dec. 10. Class 6.
 Societe a Responsabilite Limitee Bruyere, Paris, France. Articles of clothing. 278,756; Dec. 10. Class 39.
 Societe a Responsabilite Limitee "Rodier," Paris, France. Piece goods of wool, cotton, etc. 289,298; Dec. 10. Class 42.
 Societe Anonyme E. Meyer & Compagnie, Paris, France. Wool fabrics. 291,801; Dec. 10. Class 42.
 Societe Anonyme pour la Decoration Interieure Moderne, Paris, France. Carpets, tapestries, and nets and laces in the piece. 272,361; Dec. 10. Class 42.
 Solvay Process Company, The, Solvay, N. Y. Preparations used as cleansing agents. 285,958; Dec. 10. Class 4.
 Southern Automatic Company. (See Stockton, Frank P.)
 Standard Biscuit Company, The, Des Moines, Iowa. Candles. 289,849; Dec. 10. Class 46.
 Stein, S. & Co., New York, N. Y. Woolen goods. 276,908; Dec. 10. Class 42.
 Stockton, Frank P., doing business as Southern Automatic Company, Atlanta, Ga. Phonograph-record-changing devices and phonograph instruments. 289,851; Dec. 10. Class 36.
 Strauss, Samuel R., doing business as "Strauss Laboratories," Huntington, N. Y. Medicinal preparations. 291,744; Dec. 10. Class 6.
 Sunset Pacific Oil Company, Los Angeles, Calif. Lubricating oils and greases. 291,484; Dec. 10. Class 15.
 Sun Tube Corporation, The, Hillside, N. J. Collapsible tubes. 290,438; Dec. 10. Class 2.
 Swan-Meers Company, Indianapolis, Ind. Laxatives. 290,159; Dec. 10. Class 6.
 Tres Gyogyser-Vegyészeti Ipari és Kereskedelmi R.-T. Budapest, Hungary. Medicines and pharmaceutical preparations. 291,868-9; Dec. 10. Class 6.
 Union Oil Company of California, Los Angeles, Calif. Dry-cleaning fluid. 282,837; Dec. 10. Class 4.
 United Reproducers Corporation. (See Newcombe-Hawley, Inc., assignor.)
 United States Gypsum Company, Chicago, Ill. Plaster. 260,702; Dec. 10. Class 12.
 United States Gypsum Company, Chicago, Ill. Plaster. 282,882; Dec. 10. Class 12.
 United States Gypsum Company, Chicago, Ill. Periodical. 282,802; Dec. 10. Class 38.

United States Plywood Co. Inc., New York, N. Y. Plywood. 290,384; Dec. 10. Class 12.
 Van Camp Packing Company, Inc., The, Indianapolis, Ind. Vegetable shortening. 290,982; Dec. 10. Class 46.
 Van Horne Tube Company, Franklin, Ohio. Direct-current and alternating-current radiotubes, etc. 289,908; Dec. 10. Class 21.
 Vap-O-Zone Co., Ltd., San Francisco, Calif. Vaporizing devices. 289,557; Dec. 10. Class 44.
 Varnol Chemical Corporation, Long Island City, N. Y. Synthetic resins. 274,682; Dec. 10. Class 6.
 Virginale Brassiere. (See Naar, Mabel.)
 Vulcan Match Co., Inc., New York, N. Y. Matches. 291,186; Dec. 10. Class 9.
 Vulcan Match Co., Inc., New York, N. Y. Matches. 291,301-4; Dec. 10. Class 9.
 Vulcan Match Co., Inc., New York, N. Y. Matches. 291,372; Dec. 10. Class 9.
 Vulcan Match Co., Inc., New York, N. Y. Matches. 291,535-6; Dec. 10. Class 9.
 Vulcan Match Co., Inc., New York, N. Y. Matches. 291,538-9; Dec. 10. Class 9.
 Vulcan Match Co., Inc., New York, N. Y. Matches. 291,644-5; Dec. 10. Class 9.
 Waldensian Hosiery Mills, Valdesa, N. C. Hosiery. 291,072; Dec. 10. Class 39.
 Warner, William R. & Co., Inc., New York, N. Y. Granular effervescent salt. 291,647; Dec. 10. Class 6.
 Warwick Wright, Limited, London, England. Doors and doorframes of motor cars. 290,677; Dec. 10. Class 19.
 Washoff Chemical Company, The. (See Hornbecker, George A.)
 Webster Rubber Company, Sabattus, Me. Rubber heels and soles for shoes. 291,305; Dec. 10. Class 39.
 Weinstein, Philip, doing business as Martin Weinstein Shoe Co., Brooklyn, N. Y. Shoes. 290,983; Dec. 10. Class 39.
 Weisberg, Philip, Brooklyn, N. Y. Edible oils. 290,727; Dec. 10. Class 46.
 Wernot Dental Mfg. Co., Inc., New York, N. Y. Dental preparation. 285,309; Dec. 10. Class 6.
 Western Aviation Supply Co., San Francisco, Calif. Aeroplanes and aeroplane structural parts. 287,390; Dec. 10. Class 19.
 Wilbur & Williams Company, Boston, Mass. Synthetic-resin molding powder. 285,611; Dec. 10. Class 6.
 Wilder Metal Company, Niles, Ohio. Steel and iron sheets. 274,580; Dec. 10. Class 14.
 Wilson, Odell, Auburn, Calif. Paints. 288,737; Dec. 10. Class 16.
 Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Analgesic and stimulant elixir. 291,589; Dec. 10. Class 6.
 Zeconator Limited, New York, N. Y. Bottles used for therapeutic purposes. 280,532; Dec. 10. Class 44.
 Zeiss, Carl, Jena, Germany. Light projectors for operation tables. 282,765; Dec. 10. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags, Paper. Bates Valve Rags Corporation. 265,057; Dec. 10; Serial No. 282,516; published Sept. 24, 1929.
 Boxes, Paper. Simplex Paper Box Company. 265,049; Dec. 10; Serial No. 281,172; published May 21, 1929.
 Caps, Paper. United States Envelope Company. 265,048; Dec. 10; Serial No. 280,362; published Sept. 24, 1929.
 Hampers and cabinets for waste materials. Built-in laundry. Felco Manufacturing Co. 264,819; Dec. 10; Serial No. 287,126; published Sept. 24, 1929.
 Plates and dishes made of paper pulp or fibre. Keyes Fibre Company. 264,917; Dec. 10; Serial No. 270,429; published Sept. 24, 1929.
 Wrappers, tubes, boxes, Mailing. International Mailing and Wrapper Company. 264,991; Dec. 10; Serial No. 269,333; published Feb. 26, 1929.

CLASS 4

Cleaning fluid and solvents, etc. Standard Oil Company of California. 264,978; Dec. 10; Serial No. 272,058; published Apr. 16, 1929.
 Washing powder. Stuart Industrial Service Inc. 264,855; Dec. 10; Serial No. 280,422; published Apr. 30, 1929.

CLASS 5

Adhesive cement. Major Manufacturing Co. 264,921; Dec. 10; Serial No. 268,551; published Aug. 13, 1929.
 Gutta-percha tissues. Robert Soltau & Co. 75,338; renewed Sept. 21, 1929.
 Oils and compounds for making cores. Fordath Engineering Company. 264,862; Dec. 10; Serial No. 277,700; published Sept. 24, 1929.

Pastes, glues, gums, Adhesive. Arabol Manufacturing Company. 265,012; Dec. 10; Serial No. 287,802; published Sept. 24, 1929.

CLASS 6

Bicarbonate of soda, salt, lye, etc. Grocers & Producers Co. 264,868; Dec. 10; Serial No. 286,761; published Sept. 24, 1929.
 Compound for treating colds, coughs, catarrh, etc. Max Drug Company. 264,875; Dec. 10; Serial No. 285,525; published Sept. 24, 1929.
 Creams, face powders, face creams, etc. William A. Webster Company. 264,981-2; Dec. 10; Serial Nos. 273,124-5; published Sept. 24, 1929.
 Creams, face powders, face creams, etc. William A. Webster Company. 264,984; Dec. 10; Serial No. 273,126; published Sept. 24, 1929.
 Dental and after shaving cream, face powder, etc. William A. Webster Company. 264,979; Dec. 10; Serial No. 273,123; published Sept. 24, 1929.
 Diuretics, laxatives, cold compound, etc. K-V Products Company. 264,870; Dec. 10; Serial No. 286,782; published Sept. 24, 1929.
 Face powder, astringent, skin whitener, etc. E. S. Browne. 264,885; Dec. 10; Serial No. 287,046; published Sept. 24, 1929.
 Hair tonic. A. Simone & Sons Co. 264,876; Dec. 10; Serial No. 286,206; published Sept. 24, 1929.
 Liquid fly and lice application. J. N. Wittmann, Jr. 264,871; Dec. 10; Serial No. 286,848; published Sept. 24, 1929.
 Medicinal preparation. H. T. Dewey & Sons Company. 265,043; Dec. 10; Serial No. 277,867; published Sept. 24, 1929.

Medicinal preparation. H. T. Dewey & Sons Company. 265,043; Dec. 10; Serial No. 277,869; published Sept. 24, 1929.
 Medicinal products. Reed & Carnrick. 265,044; Dec. 10; Serial No. 279,813; published Sept. 24, 1929.
 Mouth wash. McCall's Laboratories. 264,988; Dec. 10; Serial No. 275,024; published Sept. 24, 1929.
 Pharmaceutical compound. Farbenfabriken of Elberfeld Company. 34,074; renewed Jan. 23, 1930.
 Powder and suppository. Antiseptic. Fem San Products Co. 264,884; Dec. 10; Serial No. 287,746; published Sept. 24, 1929.
 Powders, Stomach. J. A. Sullivan. 265,041; Dec. 10; Serial No. 277,857; published Sept. 24, 1929.
 Preparation for killing flies and germs and insecticide, spray for cows, etc. D. B. Smith & Company. 264,826; Dec. 10; Serial No. 287,949; published Sept. 24, 1929.
 Preparation for the prevention and relief of hay fever, catarrh, etc. American Drug Corporation. 264,878; Dec. 10; Serial No. 287,442; published Sept. 24, 1929.
 Preparations for the diseases of women. Olive Branch Company. 264,877; Dec. 10; Serial No. 286,692; published Sept. 24, 1929.
 Shaving cream, dental cream, cold cream, etc. William A. Webster Company. 264,990; Dec. 10; Serial No. 274,180; published Sept. 24, 1929.
 Tonic, hair pomade, a preparation for treating dandruff. Hair. Hy-Tone Laboratories. 264,869; Dec. 10; Serial No. 286,780; published Sept. 24, 1929.
 Tonic, Uterine. Bendliner & Schlesinger, Inc. 264,828; Dec. 10; Serial No. 288,217; published Sept. 24, 1929.

CLASS 9

Explosives, Blasting. Loxite, Incorporated. 264,845; Dec. 10; Serial No. 287,538; published Sept. 24, 1929.
 Pistols. Colt's Patent Fire Arms Manufacturing Co. 264,898; Dec. 10; Serial No. 286,868; published Sept. 24, 1929.

CLASS 12

Shingles, Wooden. St. Paul and Tacoma Lumber Co. 264,901; Dec. 10; Serial No. 285,382; published Sept. 3, 1929.

CLASS 13

Air and vacuum valve. J. J. Murphy. 264,814; Dec. 10; Serial No. 286,379; published Sept. 24, 1929.
 All kinds of gas-pressure regulators, base-metal pots, pans, etc. Deutsche Gasgeräte-Gesellschaft m. b. H. 265,020; Dec. 10; Serial No. 283,785; published Sept. 24, 1929.
 Bathtubs and attachments. Columbus Specialty Co. Inc. 264,967; Dec. 10; Serial No. 287,454; published Oct. 1, 1929.
 Bathtubs, lavatories, toilet bowls, etc. "Keramag" Keramische Werke Aktien-Gesellschaft. 265,058; Dec. 10; Serial No. 282,692; published Sept. 24, 1929.
 Coffeepots, sugar bowls, bread trays, percolators, etc. Jennings Silver Company. 264,865; Dec. 10; Serial No. 278,541; published Sept. 24, 1929.
 Drains, Metal. Frank Mortimer Mills. 264,822; Dec. 10; Serial No. 287,831; published Sept. 24, 1929.
 Handle assemblies, Automobile door. Ternstedt Manufacturing Company. 264,970; Dec. 10; Serial No. 287,165; published Oct. 1, 1929.
 Hinges and haaps. Bassett Metal Goods Company. 265,038; Dec. 10; Serial No. 279,439; published Oct. 1, 1929.
 Metallic belt hooks. Jewell Belt Hook Co. 264,924; Dec. 10; Serial No. 268,159; published Sept. 24, 1929.
 Steam traps and unions. Lancaster & Tonge Ltd. 76,029; renewed Dec. 7, 1929.
 Wire cloth. Buffalo Wire Works Co. 264,823; Dec. 10; Serial No. 288,105; published Sept. 24, 1929.

CLASS 14

Alloys. Republic Brass Corporation. 264,954; Dec. 10.

CLASS 15

Candles. Will & Baumer Candle Co. 264,842; Dec. 10; Serial No. 285,761; published Sept. 24, 1929.
 Oil, Lubricating. Farmers Union Co-Operative Oil Association of Iowa. 264,890; Dec. 10; Serial No. 286,047; published Sept. 24, 1929.
 Oil, Lubricating. Sinclair Refining Company. 264,843; Dec. 10; Serial No. 285,792; published Sept. 24, 1929.
 Oils and greases, Lubricating. Pennant Oil & Grease Co. Inc. 264,909; Dec. 10; Serial No. 287,489; published Sept. 24, 1929.
 Oils and greases, Lubricating. T. O. Smith. 264,925; Dec. 10; Serial No. 267,807; published Oct. 16, 1928.
 Oils, gasoline, naphtha, etc. Lubricating. Sterling Oil Company. 264,915; Dec. 10; Serial No. 270,522; published Sept. 18, 1928.
 Oils, Lubricating. Red River Refining Company. 264,857; Dec. 10; Serial No. 278,414; published Mar. 19, 1929.
 Oils, Penetrating. Pep Boys—Manny, Moe & Jack. 265,055; Dec. 10; Serial No. 286,712; published Sept. 24, 1929.

CLASS 16

Paint, Aluminum. Frazer Paint Company. 264,894; Dec. 10; Serial No. 287,242; published Sept. 10, 1929.
 Paint enamel, Special. Gamewell Company. 264,905; Dec. 10; Serial No. 288,296; published Sept. 17, 1929.

389 O. G.—34a

Paint enamels, paint and varnish thinners, and lacquers. Acme White Lead & Color Works. 265,024; Dec. 10; Serial No. 287,104; published Sept. 17, 1929.
 Paints, enamels, varnishes, and stains. Naborhood Paint Stores, Incorporated. 264,906; Dec. 10; Serial No. 287,765; published Sept. 24, 1929.
 Paints, varnishes, lacquers, etc. Beckwith-Chandler Company. 264,853; Dec. 10; Serial No. 283,933; published Sept. 24, 1929.
 Turpentine oil, boiled linseed oil, oils. Cordes & Co. 264,825; Dec. 10; Serial No. 285,709; published Sept. 17, 1929.
 Varnish, Interior. W. P. Fuller & Co. 264,943-4; Dec. 10; Serial Nos. 288,702-3; published Oct. 1, 1929.

CLASS 17

Cigars and cigarettes. J. Delott. 264,841; Dec. 10; Serial No. 288,592; published Sept. 24, 1929.
 Stogies and cigars. M. Marsh & Son, Inc. 265,000-1; Dec. 10; Serial Nos. 288,754-5; published Sept. 24, 1929.

CLASS 19

Aeroplanes. Curtiss Aeroplane and Motor Company. 264,888; Dec. 10; Serial No. 288,155; published Oct. 1, 1929.
 Airplane shock absorbers. Stearnair Aircraft Company. 265,050; Dec. 10; Serial No. 283,765; published Sept. 3, 1929.
 Airplanes. L. B. Manning. 264,820; Dec. 10; Serial No. 287,354; published Sept. 24, 1929.
 Automobile bodies. Walker Body Company. 264,821; Dec. 10; Serial No. 287,634; published Sept. 24, 1929.
 Shock absorbers. Delco Products Corporation. 264,815; Dec. 10; Serial No. 286,745; published Sept. 3, 1929.
 Trucks, Gasoline. Hudson Motor Car Company. 264,974; Dec. 10; Serial No. 285,974; published Oct. 1, 1929.
 Trucks, Tilting-platform band. M. C. Emery. 264,816; Dec. 10; Serial No. 287,058; published Sept. 24, 1929.
 Vehicle wheels and parts thereof. General Motors Corporation. 265,047; Dec. 10; Serial No. 279,539; published Sept. 24, 1929.
 Wheels, shock struts, and wheel and brake assemblies. Airplane. Aircraft Products Corporation of America. 265,019; Dec. 10; Serial No. 283,771; published Sept. 24, 1929.

CLASS 20

Oilcloth. Columbus-Union Oil Cloth Company. 264,836; Dec. 10; Serial No. 288,226; published Sept. 24, 1929.

CLASS 21

Batteries, power packs, rectifying tubes, and vacuum tubes, Wet and dry. Traveler Manufacturing Corporation. 264,892-3; Dec. 10; Serial Nos. 287,438-9; published Sept. 24, 1929.
 Batteries, Storage. Goodyear Tire & Rubber Company. 264,891; Dec. 10; Serial No. 287,468; published Sept. 24, 1929.
 Batteries, Storage. Pep Boys—Manny, Moe & Jack. 265,054; Dec. 10; Serial No. 286,706; published Sept. 24, 1929.
 Electric switches and incandescent lamps. Aktiebolaget Birka Regulator. 264,858; Dec. 10; Serial No. 280,981; published Sept. 24, 1929.
 Insulating grease or insulating medium. Dielectric Products, Inc. 264,860; Dec. 10; Serial No. 283,437; published Sept. 24, 1929.
 Insulating oil or insulating medium. Dielectric Products, Inc. 264,852; Dec. 10; Serial No. 283,438; published Sept. 24, 1929.

Insulation compounds and fabrics, Electrical. Harvel Corporation. 265,021-2; Dec. 10; Serial Nos. 287,069-70; published Sept. 24, 1929.
 Insulation compounds and fabrics, Electrical. Harvel Corporation. 265,023; Dec. 10; Serial No. 287,073; published Sept. 24, 1929.
 Lighters, Electrical. S. T. Jessop Co. 264,920; Dec. 10; Serial No. 269,327; published Sept. 24, 1929.
 Motors and parts thereof, Electric. Burroughs Adding Machine Company. 264,908; Dec. 10; Serial No. 287,649; published Sept. 24, 1929.
 Radio loud-speakers. United Reproducers Corporation. 264,907; Dec. 10; Serial No. 287,680; published Sept. 24, 1929.
 Radio transmitting and receiving sets, coils, and repair parts therefor. Ware Manufacturing Corporation. 264,854; Dec. 10; Serial No. 284,921; published Sept. 24, 1929.
 Stoves, electric flatirons, and connectors for electrical conductors, Electric. J. Schleper. 264,824; Dec. 10; Serial No. 285,691; published Sept. 24, 1929.
 Vacuum or electron tubes. Bond Electric Corporation. 264,886; Dec. 10; Serial No. 286,150; published Sept. 24, 1929.

CLASS 22

Belts, Swimming. De Lion Tire and Rubber Corporation. 264,902; Dec. 10; Serial No. 287,912; published Sept. 24, 1929.
 Cards, Playing. Glison Art Company. 264,942; Dec. 10; Serial No. 288,704; published Oct. 1, 1929.
 Dolls. American Character Doll Company. 265,056; Dec. 10; Serial No. 286,717; published Sept. 17, 1929.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Fishing reels. Enterprise Manufacturing Company. 264,947; Dec. 10; Serial No. 288,552; published Oct. 1, 1929.

Footballs. Draper-Maynard Company. 265,051; Dec. 10; Serial No. 286,229; published Sept. 24, 1929.

Game. Parker Brothers Inc. 264,945; Dec. 10; Serial No. 288,663; published Oct. 1, 1929.

Games. Milton Bradley Company. 264,859; Dec. 10; Serial No. 281,512; published Sept. 24, 1929.

Golf balls. Wright & Diltson. 264,946; Dec. 10; Serial No. 288,628; published Oct. 1, 1929.

Reels. Fishing. Enterprise Manufacturing Company. 264,904; Dec. 10; Serial No. 288,553; published Sept. 24, 1929.

Toy guns, pistols, air guns, etc. J. Mayer. 264,980; Dec. 10; Serial No. 272,827; published Sept. 24, 1929.

CLASS 23

Bearings. General Motors Corporation. 264,995; Dec. 10; Serial No. 238,214; published Nov. 16, 1926.

Bearings. Nevecoil Bearing Company. 264,953; Dec. 10; Serial No. 288,201; published Oct. 1, 1929.

Compressors and internal-combustion engines. I. P. Morris and De La Vergne, Inc. 264,866; Dec. 10; Serial No. 281,917; published Sept. 24, 1929.

Fire sets. Cutter Manufacturing Company. 264,941; Dec. 10; Serial No. 288,785; published Oct. 1, 1929.

Hoes, garden. W. Kriesel. 264,948; Dec. 10; Serial No. 288,425; published Oct. 1, 1929.

Knives and tools. Car-Van Steel Products Company. 264,911; Dec. 10; Serial No. 271,292; published Oct. 1, 1929.

Machinery. Rolls for. Stowe & Woodward Company. 264,889; Dec. 10; Serial No. 288,093; published Oct. 1, 1929.

Mechanical lubricators or oilers. W. V. Kidder. 264,949; Dec. 10; Serial No. 288,343; published Oct. 1, 1929.

Pumps, pumping, and water-pressure systems, irrigation. W. G. Noack. 265,028; Dec. 10; Serial No. 281,786; published Oct. 1, 1929.

Razor blade. Ruble Blade Corporation. 264,939-40; Dec. 10; Serial Nos. 288,817-18; published Oct. 1, 1929.

Razor blades, safety. M. Mindlin. 264,827; Dec. 10; Serial No. 288,023; published Sept. 24, 1929.

Saws. Simonds Saw and Steel Company. 264,872; Dec. 10; Serial No. 287,207; published Sept. 24, 1929.

Slicing and wrapping machinery. Broad. Mac-Roh Sales & Manufacturing Co. 264,873; Dec. 10; Serial No. 287,419; published Sept. 24, 1929.

Spray apparatus. Paint. Auto Power Spray Company. 264,830; Dec. 10; Serial No. 288,582; published Sept. 24, 1929.

Tracks for vehicles. Endless. Roadless Traction, Limited. 264,983; Dec. 10; Serial No. 274,132; published Sept. 24, 1929.

CLASS 26

Films, motion-picture. E. N. Weber. 265,031; Dec. 10; Serial No. 284,211; published Oct. 1, 1929.

Measuring and dispensing unit. Oil. Sharpville Boiler Works Co. 264,883; Dec. 10; Serial No. 287,846; published Sept. 24, 1929.

Meters, manometers, etc. Liquid and gas. Simplex Valve & Meter Company. 264,912-13; Dec. 10; Serial Nos. 270,864-5; published Sept. 24, 1929.

Photoplays, motion-picture. Paramount Famous Lasky Corp. 264,952; Dec. 10; Serial No. 288,202; published Oct. 1, 1929.

Regulators and thermostats, temperature. H. M. Sheer Company. 264,964; Dec. 10; Serial No. 287,722; published Oct. 1, 1929.

CLASS 28

Badges, lapel buttons, breast pins, etc. Fraternity. Alpha Phi Omega. 265,052; Dec. 10; Serial No. 286,530; published Sept. 24, 1929.

Necklaces, neck chains, pendants, etc. C. Ray Randall & Co. 265,053; Dec. 10; Serial No. 286,589; published Sept. 24, 1929.

Rings, finger. Pilgrim Wedding Ring Company. 264,987; Dec. 10; Serial No. 276,328; published Sept. 24, 1929.

Rings, wedding. Standard Ring Company. 264,910; Dec. 10; Serial No. 288,158; published Sept. 24, 1929.

CLASS 29

Brushes. Whiting-Adams Company. 264,918; Dec. 10; Serial No. 270,403; published Sept. 24, 1929.

CLASS 32

Chairs. W. S. Ferris. 264,882; Dec. 10; Serial No. 287,810; published Sept. 24, 1929.

Cushions and pads, rug. National Rug & Hammock Mills. 265,026; Dec. 10; Serial No. 280,034; published Oct. 1, 1929.

Mattresses. Hadley Furniture Company. 264,887; Dec. 10; Serial No. 285,186; published Oct. 1, 1929.

Tables, tray. Solitaire Table Company. 264,986; Dec. 10; Serial No. 276,905; published Oct. 1, 1929.

CLASS 34

Drying rooms and equipment therefor, air-conditioning apparatus, etc. Drying Systems, Inc. 265,030; Dec. 10; Serial No. 283,728; published Oct. 1, 1929.

Furnaces, boilers, humidifiers, etc. Heating. Heating Systems & Supply Co. 264,818; Dec. 10; Serial No. 287,075; published Sept. 24, 1929.

Heaters, gas water. Famillan-Silver Co. 264,817; Dec. 10; Serial No. 287,059; published Sept. 24, 1929.

Heaters, gas water. Sands Manufacturing Company. 264,831; Dec. 10; Serial No. 280,203; published Sept. 24, 1929.

Heating coils and pipes, and blast radiation apparatus. Indirect. York Heating and Ventilating Corporation. 264,931; Dec. 10; Serial No. 261,091; published Apr. 23, 1929.

Registers and pipes and parts thereof. United States Register Co. 264,985; Dec. 10; Serial No. 276,940; published Sept. 24, 1929.

Sash-actuating mechanism. Continental Greenhouse Mfg. Co. 265,025; Dec. 10; Serial No. 279,452; published Sept. 24, 1929.

CLASS 35

Automobile accessories. Langhorne Thomas Co. 264,861; Dec. 10; Serial No. 284,682; published Aug. 27, 1929.

Hose, belting, and packing. United States Rubber Company. 265,040; Dec. 10; Serial No. 277,644; published Oct. 1, 1929.

Packing, plastic semimetallic stuffing box. Industrial Chemical & Supply Co. Inc. 264,880; Dec. 10; Serial No. 287,531; published Sept. 24, 1929.

Tire casings, pneumatic. Fisk Rubber Company. 264,829; Dec. 10; Serial No. 288,470; published Sept. 24, 1929.

Tires and tubes, tire flaps, fan belts, etc. Pneumatic. Fisk Rubber Company. 264,950-1; Dec. 10; Serial Nos. 288,251-2; published Oct. 1, 1929.

Tires, vehicle. Federal Rubber Company. 264,976; Dec. 10; Serial No. 285,072; published Oct. 1, 1929.

CLASS 37

Paper diapers, sanitary. Diapex Corporation. 265,015; Dec. 10; Serial No. 280,885; published Sept. 24, 1929.

Paper, wall. Prager Co. 265,017; Dec. 10; Serial No. 287,594; published Sept. 24, 1929.

Papers, seaman. Paper Company. 264,968; Dec. 10; Serial No. 287,368; published Oct. 1, 1929.

Pencils and pens. Royal Pencil Corporation. 264,864; Dec. 10; Serial No. 280,418; published Sept. 24, 1929.

Pens and pencils, fountain. W. A. Sheaffer Pen Co. 265,027; Dec. 10; Serial No. 281,110; published July 23, 1929.

CLASS 38

Magazine. Louisville Courier Journal. 265,011; Dec. 10; Serial No. 287,827; published Sept. 24, 1929.

Newspaper section. Louisville Courier Journal. 265,007; Dec. 10; Serial No. 287,728; published Sept. 24, 1929.

Periodical. Alhambra Press, Inc. 265,003; Dec. 10; Serial No. 288,213; published Sept. 24, 1929.

Publication or magazine. A. I. Norton. 265,018; Dec. 10; Serial No. 287,641; published Sept. 24, 1929.

Section containing special news. Wichita Daily Eagle. 264,992; Dec. 10; Serial No. 258,777; published Sept. 24, 1929.

CLASS 39

Boots and shoes. Huntington Shoe and Leather Company. 264,959; Dec. 10; Serial No. 285,819; published Oct. 1, 1929.

Boots, shoes, oxfords, and slippers. Leather and cloth. B. Rich's Sons. 76,796; renewed Feb. 15, 1930.

Boots, slippers, and shoes. I. Simon. 265,035; Dec. 10; Serial No. 278,851; published Oct. 1, 1929.

Brassieres, camisoles, and corsets. F. H. Morrison. 264,926; Dec. 10; Serial No. 266,873; published July 17, 1928.

Brassieres, corsets and girdles, foundations. Vogue Brassiere Mfg. Co. 264,900; Dec. 10; Serial No. 286,286; published Sept. 17, 1929.

Gloves. C. C. Carr. 264,989; Dec. 10; Serial No. 274,704; published Sept. 24, 1929.

Hats, Desmond's. 264,897; Dec. 10; Serial No. 286,982; published Sept. 24, 1929.

Hats, Dunlap's California Sport Hats, Inc. 264,835; Dec. 10; Serial No. 287,914; published Sept. 24, 1929.

Hats, Muller and Rans Company. 264,846; Dec. 10; Serial No. 287,710; published Sept. 24, 1929.

Hats, M. Solomon. 264,956; Dec. 10; Serial No. 287,547; published Oct. 1, 1929.

Hats and caps. National Cap Manufacturing Company. 264,851; Dec. 10; Serial No. 284,010; published Sept. 24, 1929.

Hats and caps. Paragon Hat Co. 264,847; Dec. 10; Serial No. 284,931; published Sept. 24, 1929.

Hats, ventilated bench. W. M. Ward. 265,034; Dec. 10; Serial No. 278,616; published Oct. 1, 1929.

Hats, women's. National Committee on Correct Style, Inc. 264,930; Dec. 10; Serial No. 261,127; published Sept. 24, 1929.

Shoes. Endicott Johnson Corporation. 264,901; Dec. 10; Serial No. 285,559; published Oct. 1, 1929.

Shoes. Shu Stiles, Incorporated. 264,833; Dec. 10; Serial No. 287,847; published Sept. 24, 1929.

Shoes. Walther Loewendahl Shoe Co. 264,936; Dec. 10; Serial No. 287,581; published Oct. 1, 1929.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Soles and heels, rubber. Endicott Johnson Corporation. 264,849; Dec. 10; Serial No. 277,059; published Mar. 12, 1929.

CLASS 40

Medallions and monograms, embroidered. Saxe Embroidery Company. 265,033; Dec. 10; Serial No. 278,192; published Oct. 1, 1929.

Straps, shoulder. I. B. Kleinert Rubber Company. 264,962; Dec. 10; Serial No. 285,418; published Oct. 1, 1929.

CLASS 42

Bedsprings. Riverside & Dan River Cotton Mills. 264,850; Dec. 10; Serial No. 278,361; published Sept. 24, 1929.

Cloths, knitted dishwashing. Starr Knitting Mills, Inc. 264,844; Dec. 10; Serial No. 287,883; published Sept. 24, 1929.

Cloths, washing. Starr Knitting Mills, Inc. 264,895; Dec. 10; Serial No. 287,382; published Sept. 24, 1929.

Cotton plaid and check goods. Riverside & Dan River Cotton Mills, Inc. 264,935; Dec. 10; Serial No. 287,939; published Oct. 1, 1929.

Cotton shirting. Riverside & Dan River Cotton Mills, Inc. 264,934; Dec. 10; Serial No. 287,040; published Oct. 1, 1929.

Fabrics of rayon, cotton, wool, etc. B. Ehrenberg. 264,932; Dec. 10; Serial No. 288,849; published Oct. 1, 1929.

Hair nets. National Gary Corporation. 264,837; Dec. 10; Serial No. 288,508; published Sept. 24, 1929.

Hair nets. National Gary Corporation. 264,838; Dec. 10; Serial No. 288,510; published Sept. 24, 1929.

Hair nets. National Gary Corporation. 264,839-40; Dec. 10; Serial Nos. 288,512-13; published Sept. 24, 1929.

Rugs and carpets, textile woven. Bigelow-Hartford Carpet Company. 264,834; Dec. 10; Serial No. 287,863; published Sept. 24, 1929.

Silk piece goods. Albert Godde, Berlin, Inc. 264,848; Dec. 10; Serial No. 284,763; published Sept. 24, 1929.

Silk piece goods. Albert Godde, Berlin, Inc. 264,977; Dec. 10; Serial No. 288,852; published Oct. 1, 1929.

Textile goods. I. E. Palmer Co. 264,996; Dec. 10; Serial No. 122,949; published Dec. 30, 1919.

Woolen piece goods. Forstmann & Hoffmann Company. 264,903; Dec. 10; Serial No. 285,075; published Sept. 24, 1929.

CLASS 43

Thread. I. I. Bruck. 264,896; Dec. 10; Serial No. 287,040; published Sept. 24, 1929.

Threads and yarns. I. G. Farbenindustrie Aktiengesellschaft. 264,832; Dec. 10; Serial No. 287,801; published Sept. 24, 1929.

CLASS 44

Bandages, therapeutic. G. G. B. van Leeuwen. 265,032; Dec. 10; Serial No. 284,430; published Sept. 24, 1929.

Exercising machines, health. Chicago Flexible Shaft Company. 264,972; Dec. 10; Serial No. 286,867; published Sept. 24, 1929.

Flannels for use in hair waving. Loeber Hair Goods Co. 264,975; Dec. 10; Serial No. 285,579; published Oct. 1, 1929.

Instruments and apparatus, inhaling. O. J. J. Witt. 77,146; renewed Mar. 15, 1930.

Lamps used for medical purposes. Arc. W. R. Richards. 264,965; Dec. 10; Serial No. 287,718; published Sept. 24, 1929.

Limbs, joint mechanism of artificial. J. F. Rowley Company. 264,971; Dec. 10; Serial No. 286,955; published Oct. 1, 1929.

Massaging machine. Knott & Garlins. 264,914; Dec. 10; Serial No. 270,595; published Dec. 4, 1928.

Planes and blades therefor, corn. Roth-Büchner Aktiengesellschaft. 265,037; Dec. 10; Serial No. 278,064; published Oct. 1, 1929.

Rubber articles, prophylactic. L. Hilsenbeck, Inc. 264,963; Dec. 10; Serial No. 287,857; published Sept. 24, 1929.

Vibrators for therapeutic purposes. Venus Specialty Company. 265,029; Dec. 10; Serial No. 283,633; published July 10, 1929.

CLASS 45

Beverages. Hoffman Beverage Company. 264,867; Dec. 10; Serial No. 284,539; published Sept. 24, 1929.

Beverages and syrups for making the same. American Grape Juice Corporation. 264,881; Dec. 10; Serial No. 287,785; published Sept. 24, 1929.

Extracts, flavoring. M. Paul. 265,046; Dec. 10; Serial No. 280,273; published Sept. 24, 1929.

Flavors, colors, and extracts. Big-Pop Products Company. 264,879; Dec. 10; Serial No. 287,446; published Sept. 24, 1929.

Fruit and colored powder used in making soft drinks. J. N. Roady. 264,874; Dec. 10; Serial No. 287,942; published Sept. 24, 1929.

Ginger ale. Hinekey & Schmitt. 264,966; Dec. 10; Serial No. 287,472; published Oct. 1, 1929.

Ginger ale. Vita Dry, Inc. 264,973; Dec. 10; Serial No. 286,705; published Oct. 1, 1929.

Mineral water and crystals for making, natural. Crazy Water Hotel Company. 264,969; Dec. 10; Serial No. 287,177; published Oct. 1, 1929.

Water, carbonated. Fitter Company. 264,938; Dec. 10; Serial No. 288,909; published Oct. 1, 1929.

CLASS 46

Agar-agar for food purposes. E. C. Barker. 264,960; Dec. 10; Serial No. 285,805; published Oct. 1, 1929.

Beets, sweet pickled. A. M. Jacobites. 264,856; Dec. 10; Serial No. 283,400; published Sept. 24, 1929.

Cake mixture. Doughnut Machine Corporation. 265,014; Dec. 10; Serial No. 287,861; published Sept. 24, 1929.

Candy. Mrs. T. E. Hausman. 265,009; Dec. 10; Serial No. 287,757; published Sept. 24, 1929.

Candy. M. J. Holloway & Company. 265,010; Dec. 10; Serial No. 287,820; published Sept. 24, 1929.

Canned and dehydrated vegetable soups, canned peas, beans, etc. H. Baker. 265,039; Dec. 10; Serial No. 277,654; published Apr. 9, 1929.

Canned coffee, spaghetti, and macaroni, and olive oil. V. C. Naso. 264,899; Dec. 10; Serial No. 286,581; published Sept. 24, 1929.

Canned goods. M. Cohn. 264,863; Dec. 10; Serial No. 279,834; published Sept. 24, 1929.

Canned vegetables. H. C. Buxter & Bro. 264,919; Dec. 10; Serial No. 269,821; published Sept. 25, 1928.

Canned vegetables. Chilton Canning Co. 264,916; Dec. 10; Serial No. 270,462; published Sept. 24, 1929.

Cheese. Société des Fromages Gerber. 265,002; Dec. 10; Serial No. 288,092; published Sept. 24, 1929.

Coffee. C. W. Antrim & Sons. 265,005; Dec. 10; Serial No. 285,142; published Sept. 24, 1929.

Coffee. Holland Coffee Company. 264,928; Dec. 10; Serial No. 264,644; published Sept. 24, 1929.

Coffee, spices, extracts. R. L. Craig & Co. 264,957; Dec. 10; Serial No. 287,050; published Oct. 1, 1929.

Coffee, tea, cocoa, jelly powder, etc. W. McMurray and Company. 264,994; Dec. 10; Serial No. 249,362; published Oct. 25, 1927.

Cranberries. A. I. Berkowitz. 264,999; Dec. 10; Serial No. 285,063; published Sept. 24, 1929.

Extract, malt. H. Hirsch. 264,927; Dec. 10; Serial No. 266,202; published Oct. 1, 1929.

Fish, preserved and canned. Soc. Coop. "Ostendia." 264,922; Dec. 10; Serial No. 268,320; published Oct. 9, 1928.

Fish, preserved and canned. Soc. Coop. "Ostendia." 264,923; Dec. 10; Serial No. 268,319; published Aug. 28, 1928.

Flour, poultry, dairy, and pig feeds, wheat. Aurora Flour Mills Company. 264,998; Dec. 10; Serial No. 285,061; published Sept. 24, 1929.

Flour, wheat. Robinson Milling Co. 265,013; Dec. 10; Serial No. 287,943; published Sept. 24, 1929.

Food preparation. Kosto Co. 264,958; Dec. 10; Serial No. 285,975; published Oct. 1, 1929.

Foods. Foley Bros. & Kelly. 71,256-7; renewed Nov. 10, 1928.

Foods containing malt extract and artificially-added nutritive salts. Chemische Fabrik Gebr. Paternmann. 74,437; renewed July 13, 1929.

Fruits, fresh citrus. Red Fox Orchards. 264,993; Dec. 10; Serial No. 253,607; published July 31, 1928.

Jams, jellies, syrup, etc. West Coast Preserves, Inc. 264,955; Dec. 10; Serial No. 287,633; published Oct. 1, 1929.

Macaroni products. Parma Importing Company. 265,036; Dec. 10; Serial No. 282,426; published Oct. 1, 1929.

Milk and cream. Blue Valley Creamery Company. 265,008; Dec. 10; Serial No. 287,736; published Sept. 24, 1929.

Mustard, prepared. Great Atlantic & Pacific Tea Co. 264,997; Dec. 10; Serial No. 272,746; published Feb. 26, 1929.

Oleomargarine. Eckerson Company. 265,004; Dec. 10; Serial No. 288,460; published Sept. 24, 1929.

Potatoes, fresh Irish and sweet. Diamond Produce Co. 265,006; Dec. 10; Serial No. 285,850; published Sept. 24, 1929.

Sandwiches, peanut-butter. S. Versls. 265,016; Dec. 10; Serial No. 287,553; published Sept. 24, 1929.

Staples and canned goods. Dannemiller Grocery Company. 264,929; Dec. 10; Serial No. 261,796; published Nov. 13, 1925.

Syrup, barley-malt. J. S. Polefsky. 264,933; Dec. 10; Serial No. 288,029; published Oct. 1, 1929.

Syrup, malt. Oshkosh Brewing Co. 264,937; Dec. 10; Serial No. 287,838; published Oct. 1, 1929.

CLASS 48

Extracts, flavoring. M. Paul. 265,045; Dec. 10; Serial No. 280,272; published Sept. 24, 1929.

ALPHABETICAL LIST OF LABELS.

Annette's Perfect Cleanser. For Dry-Cleaning Composition for Fabrics, Furs, and Felts. A. R. Jennings. 36,730; Dec. 10.
Carbon Steel Cutters. For a Die-Sinking and Engraving Cutter. George Gorton Machine Co. 36,724; Dec. 10.
Club. For Fresh Apples. Gold Fruit Association. 36,723; Dec. 10.
Dromedary Choco-Dates. For Dates. Hills Brothers Company. 36,727; Dec. 10.
Fleischmann's Pure Dry Yeast. For Yeast Suitable for Dietetic and Medicinal Purposes. Standard Brands Incorporated. 36,737; Dec. 10.
Flu-Rem. For Patent Medicine. J. Jones. 36,732; Dec. 10.
Foot Long. For Bread. Johnson's Bakery Inc. 36,731; Dec. 10.
Garcia Mystery the Wonder Cigar. For Cigars. Kildow Cigar Company. 36,733; Dec. 10.
Gold Bond. For Toilet Powder. Gold Bond Sterilizing Powder Co. 36,722; Dec. 10.
High Speed Steel Cutters. For a Die-Sinking and Engraving Cutter. George Gorton Machine Co. 36,725; Dec. 10.

Ideal Eau de Quinine Hair Tonic. For Hair Tonic. V. J. Bradchulis. 36,720; Dec. 10.
Kernelkorn. For Canned Corn. Austin, Nichols & Co. 36,719; Dec. 10.
Keystone Brand. For Malt Syrup. Herman Kilne and Ada Kilne. 36,734; Dec. 10.
Masterstone. For Violins. H. Weaver. 36,739; Dec. 10.
One 21-1 Collet. For #21-1 Collets. George Gorton Machine Co. 36,726; Dec. 10.
Puss'n Boots. For Animal Crackers. Chicago Carton Company. 36,721; Dec. 10.
Russian Mineral Oil. For Russian Mineral Oil for Medicinal Purposes. H. Huebschman. 36,728-9; Dec. 10.
Rycroft Hawaiian Pineapple Dry. For Carbonated Pineapple Beverage. Rycroft, Limited. 36,736; Dec. 10.
Silver Streak. For Brisling Sardines. National Fisheries Co. 36,735; Dec. 10.
Sun-Maid Dry Pack Prunes. For Canned Prunes. Sun-Maid Raisin Growers of California. 36,738; Dec. 10.
Vin Tonique Francais Masson. For a Tonic. Armand Import Corporation. 36,718; Dec. 10.

ALPHABETICAL LIST OF PRINTS.

Consider Your Figure! Perhaps You Should Wear Gordon Petite. For Hosiery. Brown Durrell Company. 12,244; Dec. 10.
Not Just Two Blankets. For Blankets. Nasbua Manufacturing Company. 12,249; Dec. 10.
"Princess"—An Individually-Proportioned Stocking by Gordon—is for the Modern Brief-Skirted Young Girl. For Hosiery. Brown Durrell Company. 12,245; Dec. 10.
Pushing a Good Thing Along. For Automobile Tires. R. Goodwin. 12,243; Dec. 10.

Radio-Torium. For Radios. R. O. Foster. 12,247; Dec. 10.
There's a Gordon Individually-Proportioned Stocking for You. For Hosiery. Brown Durrell Company. 12,243; Dec. 10.
We Patronize our Home Town. For Road Signs. G. H. De Bey. 12,246; Dec. 10.
Whether It's a \$5 Gift or a \$5000 Gift . . . For Jewelry and Silverware. Black, Starr & Frost-Gorham, Inc. 12,242; Dec. 10.

xii

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Berge, Joseph, assignor.)
A C Spark Plug Company. (See Champion, Albert, assignor.)
A C Spark Plug Company. (See Gustafson, Edwin A., assignor.)
A C Spark Plug Company. (See Harry, Gordon W., assignor.)
A C Spark Plug Company. (See McKinley, Charles W., assignor.)
A C Spark Plug Company. (See Nutt, Frank N., assignor.)
A C Spark Plug Company. (See Rabezzana, Hector, assignor.)
Abbott, Geoffrey J., assignor to P. I. V. Chain Gears Limited, London, England. Variable-speed gear. 1,738,552; Dec. 10.
Abbott, Henry H., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system for subscribers' telephone circuits. 1,738,519; Dec. 10.
Acme Steel Company. (See Ott, John E., assignor.)
Adair, George P., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,739,340; Dec. 10.
Adams, James W., Bradford, England. Centrifugal liquid purifier. 1,738,553; Dec. 10.
Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Brake rod. 1,739,341; Dec. 10.
Adelmann, Alice, et al., executors. (See Adelmann, William.)
Adelmann, William, deceased, City Island, N. Y.; A. Adelmann and W. D. Sporborg, executors. Boat. 1,738,979; Dec. 10.
Agfa Ansco Corporation. (See Frankenburger, W., and Roessler, assignors.)
Ahlbeck, Harry W. (See Welth, A. J., Meharg, and Ahlbeck.)
Ahlstrom, Charles A., Jamestown, N. Y. Phonograph needle. 1,739,201; Dec. 10.
Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)
Aktiebolaget Ferriconcentrat. (See Mueller, Henry A., assignor.)
Aktien-Gesellschaft Brown, Boveri & Cie. (See Buchli, Jacob, assignor.)
Alderene Stone Co. (See Mahler, Paul, assignor.)
Aldeen, Wilhelm G., assignor to National Lock Co., Rockford, Ill. Feeding mechanism. 1,739,054; Dec. 10.
Allegheny Steel Company. (See Curry, Ralph R., assignor.)
Allegheny Steel Company. (See Lindquist, Otto B., assignor.)
Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole-sewing machine. 1,738,631; Dec. 10.
Allen, Harry R. (See White, Howard E., assignor.)
Allen, Hiram, Williamsburg, Kans. Wire splicer. 1,738,812; Dec. 10.
Allgemeine Elektrizitäts-Gesellschaft. (See Kleinow, W., Moersroth, Reinhardt, and Bruer, assignors.)
Allington & Curtis Manufacturing Company, The. (See Hurlburt, Gerald Ty, assignor.)
Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Agricultural implement. 1,738,510; Dec. 10.
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,738,753; Dec. 10.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
American Arch Company. (See Doble, Bradley, assignor.)
American Arch Company. (See Himmelfright, Raleigh J., assignor.)
American Blower Corporation. (See Morse, Clark T., assignor.)
American Dresser Tunnel Kilns, Inc. (See Meehan, Paul A., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Expansion Wheel Corporation. (See Townsend, Frank L., assignor.)
American Fork & Hoe Company, The. (See Bergmann, William H., assignor.)
American Gas Products Corporation. (See Wolff, Saul K., assignor.)
American La France and Foamite Corporation. (See Witter, Willis D., assignor.)
American Lead Pencil Company, The. (See Goldsmith, B. B., and Grossman, assignors.)
American Optical Company. (See De Zeng, Henry L., assignor.)
American Potash & Chemical Corporation. (See Ritchie, C. F., and Gale, assignors.)

American Radiator Company. (See Mallory, Harry C., assignor.)
American Research and Development Company. (See English, G. P., and Becker, assignors.)
American Safety Razor Corporation. (See Behrman, Marcus B., assignor.)
American Slicing Machine Company. (See Campbell, William J., assignor.)
American Telephone and Telegraph Company. (See Abbott, Henry H., assignor.)
American Telephone and Telegraph Company. (See Campbell, George A., assignor.)
American Telephone and Telegraph Company. (See Christopher, Harry J., assignor.)
American Telephone and Telegraph Company. (See Inglis, A. H., and Guenther, assignors.)
American Telephone and Telegraph Company. (See Mitchell, D., and Silent, assignors.)
American Thermos Bottle Company, The. (See Fink, C. G., and Beers, assignors.)
American Throttle Company. (See McKee, Neal T., assignor.)
Anchor Post Fence Company. (See Pivonski, S., and Canitz, assignors.)
Anderson, Helmer, and F. O. Lindgren, Minneapolis, Minn., assignors to Harding Machine Corporation, New York, N. Y. Machine for closing sacks. 1,738,511; Dec. 10.
Anderson, James W. (See Sawtell, Richard D., assignor.)
Andersson, Bror J. F., Stockholm, Sweden. Nut lock. 1,739,476; Dec. 10.
Andres, Paul G., La Grange assignor, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill. Sound-reproducing unit. Re17,515; Dec. 10.
Andrews, Albert, Deadwood, S. Dak. Mechanical movement. 1,738,512; Dec. 10.
Andrusia, John A., Brooklyn, N. Y. Auxiliary knife for vegetable slicers. 1,739,342; Dec. 10.
Andrzejewski, Ladyslaw, South Bend, Ind. Brake. 1,738,980; Dec. 10.
Anolicoal Burner Co., The. (See Wetmore, Earl P., assignor.)
Arey, Fred C., Oak Park, Ill., assignor to J. W. Gleason, Pittsburgh, Pa.; F. W. Bora, New York, N. Y.; W. F. Freudenberg, Kenilworth, and F. H. Chetlain, Chicago, Ill., and himself, as trustees. Ribbed expanded metal lath. 1,739,473; Dec. 10.
Arnou, Gabriel. (See Bauchère, A., and Arnou.)
Aashbaugh, John H. (See Maxwell, J. P., Bergvall, and Aashbaugh.)
Associated Electrical Industries Limited. (See Robinson, Ernest Y., assignor.)
Atmospheric Nitrogen Corporation. (See Dely, Joseph G., assignor.)
Attwood, Charles E., Wollaston, assignor to PostIndex Company, Inc., Boston, Mass. Paper file. 1,739,202; Dec. 10.
Atwater Kent Manufacturing Company (See Greswold, Forrest E., assignor.)
Auerbach, Karl, Sasfeld-on-the-Saale, Germany, assignor to H. F. Hoewel, New York, N. Y. Machine for upsetting and like operations. 1,739,276; Dec. 10.
Auster, Louis and M., New York, N. Y. Shower-curtain ring. 1,739,382; Dec. 10.
Auster, Marie. (See Auster, Louis and M.)
Austin Manufacturing Co. (See Davis, F. S., and Burna, assignors.)
Autodex Co. (See Nevin, Donald A., assignor.)
Automatic Electric Inc. (See Hudd, Alfred E., assignor.)
Automatic Electric Inc. (See Lomax, Clarence E., assignor.)
Automatic Electric Inc. (See Obergfell, Herbert F., assignor.)
Automatic Electric Inc. (See Parshall, Harry R., assignor.)
Automatic Electric Inc. (See Stehlik, Rudolph F., assignor.)
Automatic Sprinkler Company of America. (See Lowe, E. A., and Hamilton, assignors.)
Auto-Meter Company. (See Huggins, Merlon J., assignor.)
Autoshift Corporation. (See Savrda, Charles M., assignor.)
Axe, Roy T., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Window and curtain roller construction. 1,739,203; Dec. 10.
Axtell, Frank C., South Pasadena, assignor to Axtell Research Laboratories, Inc., Los Angeles, Calif. Distilling refined, cracked oils without avoidable decomposition or discoloration. 1,738,518; Dec. 10.
Axtell Research Laboratories, Inc. (See Axtell, Frank C., assignor.)

xiii

Azaraga, Luis, Hempstead, N. Y. Winding means for motion picture cameras. 1,739,113; Dec. 10.
 Babbitt, Bethel J., Riverside, Ill. assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring the permeability of magnetic materials. 1,739,277; Dec. 10.
 Babcock Manufacturing Company, The. (See Reynolds, Arthur W., assignor.)
 Bachelet, Emile, Poughkeepsie, N. Y. Mechanical movement. 1,738,981; Dec. 10.
 Bachleda, Harriet, Minneapolis, Minn. Hair curler. 1,738,681; Dec. 10.
 Bachleda, Harriet, Minneapolis, Minn. Hair marceller. 1,738,764; Dec. 10.
 Bäckström, Sigurd M. (See von Platen, B. C., Munters, and Bäckström.)
 Badger Manufacturing Corporation. (See Kauffung, Clarence H., assignor.)
 Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,738,513; Dec. 10.
 Bailey, Joseph O., Atlanta, Ga. Lubricating conveyor hanger. 1,739,345; Dec. 10.
 Bailey, Thaddeus F., Alliance, Ohio. Electric furnace. 1,739,278; Dec. 10.
 Bailly, Thaddeus F., Alliance, Ohio. Melting and refining furnace. 1,739,343; Dec. 10.
 Bailly, Thaddeus F., Alliance, Ohio. Electric furnace. 1,739,344; Dec. 10.
 Bakelite Corporation. (See Weith, A. J., Meliarg, and Ahlbeck, assignors.)
 Baker, Erle K., Chicago, Ill. Automobile traction device. 1,738,682; Dec. 10.
 Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
 Baker Perkins Company. (See Head, Ronald, assignor.)
 Baker, Reuben C., Coalinga, Calif., assignor to Baker Oil Tools, Inc. Combination fishing tool. 1,738,937; Dec. 10.
 Baker, William E., et al., trustees. (See Baker, William E., assignor.)
 Baker, William E., Erie, Pa., assignor to W. E. Baker and G. A. Frantz, as trustees of The Web Engineering Company, a trust estate, Cleveland, Ohio. Fluid-pressure control. 1,739,114; Dec. 10.
 Baldwin, Nathaniel, (See Jordan, A. E., and Baldwin.)
 Baldwin, Nathaniel, East Mill Creek, Utah. Toy gun and projectile. 1,738,938; Dec. 10.
 Baldyzer, Stephen, Milwaukee, Wis. Spark arrester. 1,739,115; Dec. 10.
 Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Control mechanism for liquid-measuring apparatus. 1,739,477; Dec. 10.
 Ball, Harry V., Concord, Mass., and R. D. Smalley, Brooklyn, assignors to R. Hoe & Co., Inc., New York, N. Y. Web-roll-controlling mechanism. 1,739,116; Dec. 10.
 Balthaser, Thomas C., Kansas City, Mo. Combined light and cord holding device for pressing boards. 1,738,514; Dec. 10.
 Banks, Robert W., El Dorado, Ark. Jarring device for pump structures. 1,739,204; Dec. 10.
 Barbee Hayes Co. (See Harmon, Kenneth R., assignor.)
 Barlin, Montague H., Camden Town, London, England. Absorbent liner or inner tube for tobacco pipes, cigar and cigarette tubes. 1,738,554; Dec. 10.
 Barney, Mary G., Kansas City, Kans. Supplying thread for mending stockings. 1,739,346; Dec. 10.
 Barratt, William T., assignor to Charles Cooper Company, Bennington, Vt. Adjustable bobbin support. 1,738,813; Dec. 10.
 Barrett Company, The. (See Moses, F. G., Hess, and Perkins, assignors.)
 Bartels, Reinhard B., Melrose, Mass. Turn shoe and fixing shank stiffeners thereto. 1,739,279; Dec. 10.
 Bartley, Charles B., and V. H. Dake, Pittsburgh, Pa. System of supervisory signaling and remote control. 1,739,055; Dec. 10.
 Bartam, Thomas W. (See Hand, C. N., Bartram, and Maude.)
 Bashara, Samuel F., and J. W. Cain, Houston, Tex. Anti-theft electric-light bulb. 1,738,683; Dec. 10.
 Baubère, Antoine, and G. Arnou, Paris, France. Manufacture of cement. 1,739,383; Dec. 10.
 Bausch, John J., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Lens grinding and polishing machine. 1,738,555; Dec. 10.
 Bausch and Lomb Optical Company. (See Bausch, John J., assignor.)
 Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water tube for rock drills. 1,739,117; Dec. 10.
 Baynes, William J., Buffalo, N. Y. Apparatus for ejecting ice cream and the like from containers. 1,738,814; Dec. 10.
 Beadle, Warren E., Port Arthur, Ontario, Canada. Paper-drying machinery. 1,738,520; Dec. 10.
 Beagle, Victor E., Russell Road, Va. Cover for curb boxes and the like. 1,738,556; Dec. 10.
 Becher, William, Jr., Youngstown, N. Dak. Hog scalders. 1,739,432; Dec. 10.
 Becker, Julius H. (See English, G. P., and Becker.)
 Beers, John R. (See Fink, C. G., and Beers.)
 Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor and blade therefor. 1,739,280; Dec. 10.
 Belling, Winna P., Oakland, Calif. Smoker's ash receptacle. 1,738,557; Dec. 10.
 Belisle, Conrad. (See Molloy, H. L., and Belisle.)

Belke, William E., Chicago, Ill. Electroplating apparatus. 1,738,515; Dec. 10.
 Bell Telephone Laboratories, Incorporated. (See Harris, James E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See White, John H., assignor.)
 Benedict, Helen D., Bridgeport, Conn. Oven utensil. 1,739,347; Dec. 10.
 Bennett, George L., Cleveland Heights, Ohio. Finishing sheet-metal tiling. 1,739,058; Dec. 10.
 Benning, Cobb. (See Blackwell, Sanford J., assignor.)
 Berge, Joseph, Montclair, N. J. Dirigible light and mounting therefor. 1,738,632; Dec. 10.
 Berge, Joseph, assignor to A. C. Spark Plug Co., Flint, Mich. Odometer mechanism. 1,738,558; Dec. 10.
 Berggren, Nels, assignor to Federal Electric Company, Chicago, Ill. Sign border. Des. 80,070; Dec. 10.
 Bergmann, William H., Piqua, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Bending wood. 1,739,281; Dec. 10.
 Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper box or the like. 1,738,815; Dec. 10.
 Bergvall, Royal C. (See Maxwell, J. P., Bergvall, and Ashbaugh.)
 Bersted, Martin, Oak Park, Ill. Toaster. Des. 80,071; Dec. 10.
 Bidwell, Earl E., Wichita, Kans. Spark gap and shield. 1,739,118; Dec. 10.
 Bielecki, Stanislaw, New York, N. Y. Lens. 1,739,478; Dec. 10.
 Bird, Lester F., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,739,384; Dec. 10.
 Blsbee, Walter G., and B. P. Hoffman, Bristow, Okla. Swab rubber for oil wells. 1,739,385; Dec. 10.
 Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 80,072; Dec. 10.
 Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 80,073; Dec. 10.
 Blackmore, Lloyd. (See Doane, H. C., and Blackmore.)
 Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Switch construction. 1,738,755; Dec. 10.
 Blackwell, Sanford J., assignor to C. Benning, Atlanta, Ga. Bottle cap. 1,739,348; Dec. 10.
 Blain, Daniel, Nashville, Tenn. Liquid shaking apparatus. 1,739,349; Dec. 10.
 Blakeslee, John R., Willoughby, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Reclaiming ear axles. 1,739,119; Dec. 10.
 Blanchard, Harold L., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving terry fabrics of different heights. 1,739,205; Dec. 10.
 Blaw-Knox Company. (See Bradshaw, Grant D., assignor.)
 Bloom, Edgar J., Tiffin, Ohio. Clothes rack. 1,738,516; Dec. 10.
 Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working apparatus. 1,739,282; Dec. 10.
 Bluehorn, William R., Hartford, Conn. Automatic pistol. 1,738,751; Dec. 10.
 Blunt, James G., Schenectady, N. Y. Boiler brace. 1,738,982; Dec. 10.
 Blunt, James G., Schenectady, N. Y. Truck-centering device. 1,739,283; Dec. 10.
 Bock, Charles S., assignor to Andrew Hoffman Manufacturing Company, Chicago, Ill. Device for supporting sheets of paper and the like. 1,739,057; Dec. 10.
 Bodde, Theodore, Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,739,120; Dec. 10.
 Böhm, Otto, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Voltage-limiting arrangement for intermediate circuit transmitters. 1,738,684; Dec. 10.
 Bohmker, John C., Bradley, assignor to Sears, Roebuck and Co., Chicago, Ill. Egg turner for incubator trays. 1,738,685; Dec. 10.
 Bolt, Annie E., administratrix. (See Bolt, Rufus R.)
 Bolt, Rufus R., deceased, Buffalo, N. Y.; A. F. Bolt administratrix. Hotbed for rolling mills. 1,738,983; Dec. 10.
 Bomhoff, Luther J., assignor of one-half to M. G. Slawson, Girard, Kans. Septic sewage-disposal plant. 1,738,521; Dec. 10.
 Bonnot Company, The. (See Lentz, George W., assignor.)
 Bora, Frank W., et al., trustees. (See Arey, Fred C., assignor.)
 Borden Company, The. (See McClatchie, John M., assignor.)
 Borland, Ira T., Granville, Ill. Screen for automobiles. 1,738,517; Dec. 10.
 Bosch, Robert, Aktiengesellschaft. (See Rässler, Robert, assignor.)
 Boulton, Henri, Suresnes, France. Distributing device for liquids. 1,739,437; Dec. 10.
 Bowman, Louis G., Chicago, assignor to Sexton Mfg. Company, Fairfield, Ill. Looper mechanism for sewing machines. 1,738,559; Dec. 10.
 Boyce, Harrison H., Jericho, N. Y. Housing for motor-heat indicators. 1,739,284; Dec. 10.

Boyce, Harrison H., Jericho, N. Y. Multiple-indicating temperature-responsive device. 1,739,285; Dec. 10.
 Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Power-driven bin-gate-actuating device. 1,738,939; Dec. 10.
 Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Preparing slimes derived from wet washing of gas for sintering. 1,738,940; Dec. 10.
 Bradley, Aubrey O. (See Hitch, E. F., Jordan, and Bradley.)
 Bradshaw, Grant D., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Steam separator. 1,738,756; Dec. 10.
 Brady, John B. (See Sargent, Lee W., assignor.)
 Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator-door-control system. 1,738,686; Dec. 10.
 Bragdon, Herbert J., assignor to Wisco Manufacturing Co., Madison, Wis. Sprayer and the like. 1,738,757; Dec. 10.
 Bragdon, Herbert J., Chicago, Ill., assignor to Wisco Manufacturing Co., Madison, Wis. Sprayer and the like. 1,738,865; Dec. 10.
 Brandt, Henry C., St. Paul, Minn. Screw driver and drill machine. 1,738,687; Dec. 10.
 Brant, Joseph, Hoquiam, Wash. Automatic oil burner. 1,739,350; Dec. 10.
 Brassert, H. A., and Company. (See Boynton, Arthur J., assignor.)
 Brenkert, Joseph W. (See Brenkert, Karl and J. W.)
 Brenkert, Joseph W. and K., Highland Park, Mich. Light-projecting machine. 1,738,941; Dec. 10.
 Brenkert, Joseph W. and K., Detroit, Mich. Stereopticon projector. 1,738,943; Dec. 10.
 Brenkert, Karl. (See Brenkert, Joseph W. and K.)
 Brenkert, Karl and J. W., Detroit, Mich. Projection apparatus. 1,738,942; Dec. 10.
 Brenkert, Karl and J. W., Detroit, Mich. Projection apparatus. 1,738,944; Dec. 10.
 Brenkert, Karl and J. W., Detroit, Mich. Framing shutter. 1,738,945; Dec. 10.
 Brewer, Robert W. A., Jenkintown, assignor to H. F. Pittalun, Bryn Athyn, Pa. Lubricating system. 1,738,560; Dec. 10.
 Brill, J. G., Company, The. (See Adams, Walter S., assignor.)
 Brittan, Edmund. (See Mapes, C. M., and Brittan.)
 Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet-feeding apparatus. Re17,519; Dec. 10.
 Brogden, Ernest M., assignor to Brogden Company, Winter Haven, Fla. Protectively treating fruit and the like. 1,738,864; Dec. 10.
 Brogden Company. (See Brogden, Ernest M., assignor.)
 Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Quick-detachable nut. 1,739,286; Dec. 10.
 Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Quick-detachable dust cap. 1,739,287; Dec. 10.
 Brots, Frank G., assignor to Kohler Company, Kohler, Wis. Swinging cover for dishwashers and the like. 1,739,121; Dec. 10.
 Brown, Alexander T., Syracuse, N. Y. Antifriction bearing. 1,738,984; Dec. 10.
 Brown, Arthur A., St. Louis, Mo. Ampul. 1,739,288; Dec. 10.
 Brown & Bigelow. (See Craft, Earl F., assignor.)
 Brown & Bigelow. (See Fischer, Howard L., assignor.)
 Brown Company. (See Parker, Howard, assignor.)
 Brown Company. (See Richter, G. A., and Lovering, assignors.)
 Brown Company. (See Schur, M. O., and Robertson, assignors.)
 Brown, Horace P., Emeryville, Calif. Manifold book. 1,738,683; Dec. 10.
 Brown, John R., assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Float-operated circuit closer. 1,738,688; Dec. 10.
 Brown, John R., and J. C. Mullinnix, assignors to The Reliance Gauge Column Company, Cleveland, Ohio. Float and making same. 1,738,889; Dec. 10.
 Brown-Lipe Gear Company. (See Fawick, Thomas L., assignor.)
 Brown, Lloyd J. (See Moody, W. O., and Brown.)
 Brown, Ralph L., et al. (See McKee, R. H., and Burke, assignors.)
 Brown, Robert L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Trench-digging machine. 1,739,122; Dec. 10.
 Brown and Sharpe Manufacturing Company. (See Graves, Benjamin P., assignor.)
 Brown & Sharpe Mfg. Co. (See Meyer, Arnold W., assignor.)
 Bruce, Alfred W., New York, N. Y. Truck for railroad vehicles. 1,739,123; Dec. 10.
 Bruer, Wilhelm. (See Kleinow, W., Morgenroth, Reinhardt, and Bruer.)
 Brumbaugh, Jacob O., assignor to Gold Car Heating & Lighting Company, New York, N. Y. End train-pipe valve. 1,738,690; Dec. 10.
 Brunswick-Balke-Collender Company, The. (See Nystrom, Martin, assignor.)
 Bryant, Thomas W., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Automatic accepting and reflecting machine. 1,738,634; Dec. 10.

Buchanan, Emmor A., Cherryvale, Kans. Underreamer. 1,739,206; Dec. 10.
 Buchli, Jacob, Winterthur, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Driving coupling. 1,738,635; Dec. 10.
 Buchsbaum, Herbert, Chicago, Ill. Fastening initials to name plates. 1,738,865; Dec. 10.
 Bugbee, Lucian W., Jr., assignor, by mesne assignments, to G. C. Forrey, Jr., Indianapolis, Ind. Making multifocal lenses. 1,738,866; Dec. 10.
 Bumstead, Ralph W., Lowell, Mass. Elapsed-running-time counter. 1,739,068; Dec. 10.
 Burgwin-Herron Motor Company. (See Lafferty, S. M., and Burgwin, assignors.)
 Burgwin, Howard J. (See Lafferty, S. M., and Burgwin.)
 Burke, Stephen P. (See McKee, R. H., and Burke.)
 Burns, Leonard S. (See Davis, F. S., and Burns.)
 Bush, Sidney J. (See Henry, Arthur J., assignor.)
 Butler Clyde G., assignor to Cincinnati Ball Crank Company, Cincinnati, Ohio. Portable grease dispenser. 1,739,438; Dec. 10.
 Cain, James W. (See Bashara, S. F., and Cain.)
 Calhoun, George H., Mansfield, Ohio. Switch box. 1,739,124; Dec. 10.
 California Petroleum Corporation. (See Cox, E. R., and Cole, assignors.)
 Call, Joseph C., Bancroft, Idaho. Automatic fuse protector. 1,738,867; Dec. 10.
 Callahan, Samuel J. (See Marqua, E. C., and Callahan.)
 Calvert, William C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Gas-cell fabric. 1,739,479; Dec. 10.
 Cammann, Louis de L., Brandon, Vt. Auxiliary lamp. 1,738,985; Dec. 10.
 Campanella, Joseph, New York, N. Y. Device for making lather. 1,738,691; Dec. 10.
 Campbell, E. A. (See Wagner, Henry, assignor.)
 Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Electromagnetic wave signaling system. 1,738,522; Dec. 10.
 Campbell, Levin H., Jr., New York, N. Y., and H. A. Knox, Davenport, Iowa, assignors to Secretary of War of the United States of America. Vehicle. 1,738,523; Dec. 10.
 Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,739,490; Dec. 10.
 Canitz, Frederick J., Jr. (See Pivonski, S., and Canitz.)
 Caracristi, Virgilius Z., Bronxville, assignor to Locomotive Pulverized Fuel Company, New York, N. Y. Furnace for burning finely-divided fuel. 1,738,636; Dec. 10.
 Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Press for cutting or punching sheet material. 1,738,637; Dec. 10.
 Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,738,668; Dec. 10.
 Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,739,059; Dec. 10.
 Carlson, Edwin G., Riverside, assignor to Spieldel Chain Co., Providence, R. I. Extension device. 1,738,561; Dec. 10.
 Carlson, Julius, Brooklyn, N. Y. Adjustable cap. 1,738,638; Dec. 10.
 Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,739,351; Dec. 10.
 Carter, Esther M., Newtonville, Mass. Light-reflecting signal device. 1,739,289; Dec. 10.
 Case, Arthur B., Wilson, Okla. Automatic shut-off valve. 1,739,207; Dec. 10.
 Cather, Charles E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Two-compartment envelope. 1,738,562; Dec. 10.
 Celanese Corporation of America. (See Whitehead, William, assignor.)
 Central Mine Equipment Company. (See Ormsby, Erle, assignor.)
 Chagnaud, André, assignor to Societe des Cuivres Chimiques Rhone-Poulenc, Paris, France. Recording device for measuring instruments. 1,738,563; Dec. 10.
 Chain Belt Company. (See Ball, Charles F., assignor.)
 Champion, Albert, deceased, by B. W. de Guichard, Flint, and Detroit Trust Company, Detroit, executors, assignor to A. C. Spark Plug Company, Flint, Mich. Instrument panel. 1,738,639; Dec. 10.
 Champion, William L., Muskogee, Okla., assignor to Muskogee Iron Works. Axle bearing. 1,739,439; Dec. 10.
 Chandler and Price Company, The. (See Honigsmann, Hans, assignor.)
 Chandler and Price Company, The. (See Root, Charles F., assignor.)
 Chaney, John L., Springfield, Ohio. Method of and apparatus for sealing thermometer tubes. 1,739,208; Dec. 10.
 Chapin, Edward S., Plainfield, N. J., and A. H. Jacoby, Ashby, Mass., assignors to The Deltex Company. Treating fabrics. 1,738,946; Dec. 10.
 Chapin, Edward S., Plainfield, N. J., and A. H. Jacoby, Ashby, Mass., assignors to The Deltex Company. Apparatus for treating fabrics. 1,738,947; Dec. 10.
 Chapin, Henry S., Trinthville, N. Y. Vehicle spring. 1,739,386; Dec. 10.

Charlebois, Amable, Ferndale, Mich. Window construction. 1,739,060; Dec. 10.
 Cherry-Burrell Corporation. (See Strandt, Gustav E., assignor.)
 Chesnutt, John L., Long Beach, Calif. Poultry drinking fountain. 1,739,290; Dec. 10.
 Chetlain, Frederick H., et al., trustees. (See Arey, Fred C., assignor.)
 Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin release for web-replenishing mechanism. 1,739,209; Dec. 10.
 Chicago Armor Corporation. (See Wisbrod, Louis, assignor.)
 Chicago Pneumatic Tool Company. (See Hamilton, P. J., and Meunier, assignors.)
 Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,739,025; Dec. 10.
 Chiossone, Gabriel. (See Medrano, A. M., and Chiossone.)
 Choate, Roy E., Cedar Rapids, Iowa. Snowplow. 1,739,352; Dec. 10.
 Christian, David A., assignor to Siemens Brothers & Company, Limited, London, England. Telephone system. 1,738,564; Dec. 10.
 Christopher, Harry J., Westfield, N. J., assignor to American Telephone and Telegraph Company. Device for locking evacuated tubes. 1,738,524; Dec. 10.
 Clisike, Albert I., Chicago, Ill. Combination tool. 1,739,440; Dec. 10.
 Cincinnati Ball Crank Company. (See Butler, Clyde G., assignor.)
 Cizek, James V., Chicago, Ill. Display rack. 1,738,869; Dec. 10.
 Clairis, Louis J., Paris, France, assignor to The Tabulating Machine Company, Endicott, N. Y. Counter cut-out. 1,738,816; Dec. 10.
 Clark, Charles H., Jefferson City, Mo. Automobile license plate and automobile license-plate holder. 1,739,441; Dec. 10.
 Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Making unsaturated acyl cellulose esters. 1,739,210; Dec. 10.
 Clarke, Henry J. (See Mojonner, J. J., Phillips, and Clarke.)
 Claybourn, Leslie W., Milwaukee, Wis. Machine for reducing printing plates to uniform thickness. 1,738,759; Dec. 10.
 Claypoole, Walter, Forest Hills, assignor to The Texas Company, New York, N. Y. Method and apparatus for utilizing high-frequency sound waves. 1,738,565; Dec. 10.
 Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looer-thread-controlling mechanism for sewing machines. 1,738,525; Dec. 10.
 Cleaves, William S., Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 1,739,061; Dec. 10.
 Clemens, Clarence F., and A. H. Kemper, Dayton, Ohio. Steam boiler. 1,738,817; Dec. 10.
 Clement, Hans, New York, N. Y., assignor to General Optical Co., Inc. Kymometer. 1,738,988; Dec. 10.
 Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age resister. 1,739,480; Dec. 10.
 Codd, William E., Chicago, Ill. Shaving-brush attachment. 1,739,211; Dec. 10.
 Coffield, Willard M., and T. C. Moore, Little Rock, Ark. Steam fan drier. 1,738,640; Dec. 10.
 Cogswell, Leander A., assignor to Lacene Manufacturing Company, Manchester, N. H. Gradling machine. 1,738,818; Dec. 10.
 Cole, Howard S., Jr. (See Cox, E. R., and Cole.)
 Colson Company. (See Roe, Mayo E., assignor.)
 Combes, Maurice B. (See Continouza, V., and Combes.)
 Combustion Engineering Corporation. (See Van Brunt, J., and Jackson, assignors.)
 Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. (See Durr, Andre H. V., assignor.)
 Compagnies Reunies des Glaces et Verres Speciaux du Nord de la France. (See Despret, Georges P., assignor.)
 Congoleum-Nairn Inc. (See Glaeser, Charles G. H., assignor.)
 Conner, William T., Eldorado, Tex. Grave-filling machine. 1,739,026; Dec. 10.
 Connolly, Frank, Toledo, Ohio. Egg cooker. 1,739,062; Dec. 10.
 Constantinesco, George, Weybridge, England. Unidirectional driving device. 1,738,692; Dec. 10.
 Container Corporation of America. (See Walter, Harrison B., assignor.)
 Continental Can Company. (See Laxo, E., and Schaal, assignors.)
 Continental Motors Corporation. (See Krels, Oscar C., assignor.)
 Continental Motors Corporation. (See Niren, Archie M., assignor.)
 Continental Motors Corporation. (See Waddell, William, assignor.)
 Continental Oil Company. (See Ruby, Arthur H., assignor.)
 Continental Products Company, The. (See Southey, Samuel J., Jr., assignor.)

Continouza, Victor, and M. B. Combes, Paris, France. Correcting device for cinematograph with continuously-moving film. 1,739,442; Dec. 10.
 Cook, Kenneth B., Providence, and L. P. Gervais, Pawtucket, R. I., assignors to Manville-Jencks Company. Making tire cord. 1,739,481; Dec. 10.
 Coony, William C. (See Mulcahy, P. F., and Coony.)
 Cooper, Charles, Company. (See Barratt, William T., assignor.)
 Cope, Maurice, Kingsley, Iowa. Knockdown hog house. 1,739,387; Dec. 10.
 Cormier, Gustave J., Seminole, Okla. Offset overshot tool. 1,738,819; Dec. 10.
 Corrigan, Charles H., Phoenix, Ariz. Combined cigar and cigarette extinguisher. 1,738,693; Dec. 10.
 Cotman, Catherine M., Roseburg, Ore. Apparatus for lifting and moving invalids. 1,738,758; Dec. 10.
 Coupland, Richard C., Dayton, Ohio. Pedestal mount for aircraft guns. 1,739,125; Dec. 10.
 Courtauld's Limited. (See Hazley, E., and Morton, assignors.)
 Coven, John. (See Perleth, J. L., and Coven.)
 Cowan, Henry W., Toronto, Ontario, Canada. Method and apparatus for removing vapors. 1,738,641; Dec. 10.
 Cox, Edwin R., Venice, and H. S. Cole, Jr., assignors to California Petroleum Corporation, Los Angeles, Calif. Apparatus for the separation of hydrocarbons. 1,738,870; Dec. 10.
 Craft, Earl F., assignor to Brown & Bigelow, St. Paul, Minn. Key chain. Des. 80,074; Dec. 10.
 Craig, John, Alta Vista, Kans. Three-row ground roller. 1,739,212; Dec. 10.
 Craig, Olsson, assignor to Riley Stoker Corporation, Worcester, Mass. Pulverizing apparatus. 1,739,213; Dec. 10.
 Crane Co. (See Flodin, Victor E., assignor.)
 Crawford, William E., Wauwatosa, and R. C. F. Kurtze, assignors to A. O. Smith Corporation, Milwaukee, Wis. Electric resistance welding of pipe. 1,739,003; Dec. 10.
 Creepcheck Company. (See Konold, Christian, assignor.)
 Crehan, Hubert and W. A., Pittsburgh, Pa. Bolt-finishing machine. 1,738,642; Dec. 10.
 Crehan, William A. (See Crehan, Hubert and W. A.)
 Criqui, Charles A. (See Larkin, Elwood T., assignor.)
 Critser, Fred F., Roseburg, Ore. Power unit. 1,739,353; Dec. 10.
 Crompton, George F., Rock Island, Ill. Valve-grinding mechanism. 1,738,694; Dec. 10.
 Crompton & Knowles Loom Works. (See Blanchard, Harold L., assignor.)
 Crompton & Knowles Loom Works. (See Chevrette, Augustin J., assignor.)
 Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
 Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
 Crompton & Knowles Loom Works. (See Molloy, H. L., and Bellisle, assignors.)
 Crompton & Knowles Loom Works. (See Paine, Arthur P., assignor.)
 Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
 Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
 Crompton & Knowles Loom Works. (See Simpson, Jesse W., assignor.)
 Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
 Crompton & Knowles Loom Works. (See Unwin, Kenneth J., assignor.)
 Crompton & Knowles Loom Works. (See Unwin, K. J., and Wakefield, assignors.)
 Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
 Crompton & Knowles Loom Works. (See Wattle, William M., assignor.)
 Crouse, George B., Woodcliff, N. J. Electrical filter. 1,738,760; Dec. 10.
 Curry, Ralph R., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Making ductile high-silicon steel sheets. 1,739,126; Dec. 10.
 Curtis & Marble Machine Company. (See Marble, Edwin H., assignor.)
 Cushing, Benjamin, Norwood, Mass. End cap for tubular packages. 1,739,291; Dec. 10.
 Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)
 Dake, Virgil H. (See Bartley, C. B., and Dake.)
 Dano, Ernest G., Chicago, Ill. Watch support. 1,738,643; Dec. 10.
 Darling, Amy F., Boston, Mass. Meat tenderer. 1,739,214; Dec. 10.
 Dashnaw, Victor W., Ogdensburg, N. Y. Water heater. 1,738,648; Dec. 10.
 Dattilo, Vincent, New York, N. Y. Exercising device. 1,738,987; Dec. 10.
 Davis, Arthur L., Modesto, Calif. Direction signal for motor vehicles. 1,738,871; Dec. 10.
 Davis, Frank S., Homewood, and L. S. Burns, Harvey, assignors to Austin Manufacturing Co., Chicago, Ill. Dual-tire wheel. 1,739,127; Dec. 10.
 Davis, Kenneth, St. Benedict, Pa., assignor to R. R. and R. Peale, Jr., trustees. Disintegrating and conveying machine. 1,739,215; Dec. 10.
 Dayton Scale Company. (See Strachan, Thomas H., assignor.)

Dean, Edmund W., assignor to Duplex Printing Press Company, Battle Creek, Mich. Tubular-plate press and folder. 1,738,761; Dec. 10.
 Deems, Edward M., Forest Hills, assignor to Railroad Accessories Corporation, New York, N. Y. Rail bond. 1,739,292; Dec. 10.
 Deems, Edward M., Forest Hills, and W. H. B. Lavarack, Pine Bush, assignors to Railroad Accessories Corporation, New York, N. Y. Rail bond. 1,739,293; Dec. 10.
 De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound actuated and producing device. 1,738,988; Dec. 10.
 De Guichard, Basil W., et al., executors. (See Champion, Albert.)
 Delco-Light Company. (See Replogle, J. B., and Lea, assignors.)
 Delco-Light Company. (See Starr, Frank F., assignor.)
 Delco-Remy Corporation. (See Elsey, George W., assignor.)
 Deltex Company, The. (See Chapin, E. S., and Jacoby, assignors.)
 Dely, Joseph G., Syracuse, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Synthetic-ammonia process. 1,739,217; Dec. 10.
 Denning, Frank J. (See Raynes, H. J., and Denning.)
 Dennison, Robert L., Kansas City, Mo. Power-transmission gearing. 1,738,695; Dec. 10.
 Des Enfants, Edward, sr., assignor to Handy Things Manufacturing Company, Ludington, Mich. Safety device for punch presses. 1,738,872; Dec. 10.
 Despret, Georges P., Paris, assignor to Compagnies Reunies des Glaces et Verres Speciaux du Nord de la France, Boussois S/Sambre, France. Polishing disk. 1,739,294; Dec. 10.
 Detrick, M. H., Company. (See Hosbain, Louis H., assignor.)
 Detroit Trust Company, et al., executors. (See Champion, Albert.)
 De Vault, Ralph P., Villa Park, Ill., assignor, by mesne assignments, to International Projector Corporation, New York, N. Y. Projector. 1,738,762; Dec. 10.
 De Vilbiss Company, The. (See Tracy, Robert W., assignor.)
 De Walt Products Company. (See De Walt, Raymond E., assignor.)
 De Walt, Raymond E., Leola, Pa. Floor-sanding machine. 1,738,875; Dec. 10.
 De Walt, Raymond E., assignor to De Walt Products Company, Leola, Pa. Woodworking machine. 1,738,763; Dec. 10.
 Dexter, Wilbur B., Lakewood, Ohio, assignor to National Carbon Company, Inc. Gas-permeable and waterproofing composition. 1,739,388; Dec. 10.
 De Zeng, Henry L., Geneva, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Diagnostic instrument. 1,739,027; Dec. 10.
 Dickerson, Walter H., East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del. Manufacture of a sugar product. 1,739,064; Dec. 10.
 Diebel, Henry, assignor to Howie Company, Inc., Detroit, Mich. Wind motor and ventilator. 1,738,526; Dec. 10.
 Diebold, Pierre, Nancy, France. Temperature regulation. 1,739,295; Dec. 10.
 Dietzen, Eugene, Company. (See Langsner, Adolph, assignor.)
 Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)
 Dirxauweit, John F., Baltimore County, assignor to W. W. Varney, Baltimore, Md. Electric toaster. 1,739,128; Dec. 10.
 Di Silvestro, Joseph, Lancaster, Pa. Floor lamp. Des. 80,075; Dec. 10.
 Ditto, Incorporated. (See Williams, William E., assignor.)
 Doane, Harry C., Flint, and L. Blackmore, Highland Park, assignors to General Motors Corporation, Detroit, Mich. Switch construction. 1,738,764; Dec. 10.
 Dobhoff, Walter, Berndorf, Austria. Motor-vehicle transmission mechanism. 1,739,129; Dec. 10.
 Doble, Bradley, Chicago, Ill., assignor to American Arch Company. Furnace arch. 1,738,527; Dec. 10.
 Doehler Vending Machines, Inc. (See Morin, Louis H., assignor.)
 Doerichol, Fritz, Leverkusen-on-the-Rhine, and L. Mehler, Dormagen-on-the-Rhine, Germany, assignors, by mesne assignments, to Titanium Pigment Co., Inc., New York, N. Y. Manufacture of titanium dioxide. 1,738,765; Dec. 10.
 Domingo, Faustino J., Topeka, Kans. Bobbing target. 1,738,874; Dec. 10.
 Dorr Company, The. (See Gregorich, James, assignor.)
 Dossey, William H., Dallas, Tex. Combination bread board and cover. 1,739,444; Dec. 10.
 Doyle, James S. (See Hedley, F., and Doyle.)
 Dreghorn, Herbert, Rugby, England, assignor to General Electric Company. Commutator dynamo-electric machine. 1,739,445; Dec. 10.
 Drenning, Percy R., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Bolster with self-equalizing slide bearings. 1,739,389; Dec. 10.
 Dreyfus, Henry, London, England. Manufacture of methyl alcohol. 1,738,989; Dec. 10.
 Drimmer, Chris. (See Jeanes, W. P., and Drimmer.)
 Driscoll, Dennis L., Alhambra, Calif. Elevator. 1,738,820; Dec. 10.

Dri-Steam Valve Corporation. (See Pascale, Pasquale, assignor.)
 Duffy, Ralph E., Greenfield, Mo. Insulator pin. 1,738,875; Dec. 10.
 Duncan, Alfred M., Clovelly, near Sydney, New South Wales, Australia. Bumper bar. 1,739,218; Dec. 10.
 Duncan, Laurel. (See Lindahl, P., and Duncan.)
 Duncan, Paul J., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for dephlegmation. 1,738,766; Dec. 10.
 Dunkelsberg, Louis, New York, N. Y. Auxiliary lens attachment for glasses. 1,738,990; Dec. 10.
 Dunlop, Robert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electromagnet. 1,738,528; Dec. 10.
 Dunlop, Robert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Resistance unit. 1,738,529; Dec. 10.
 Dunoyer, Louis D. J. A., Neuilly-sur-Seine, and P. M. G. Toulon, Paris, France, assignors, by mesne assignments, to General Electric Company. Vapor electric device. 1,739,443; Dec. 10.
 Duplex Printing Press Company. (See Dean, Edmund W., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Hitch, E. F., Jordan, and Bradley, assignors.)
 Du Pont, Eleuthere P., Montchanin, Del. Stripe-painting device. 1,739,296; Dec. 10.
 Durán y Daspenas, Lorenzo, Habana, Cuba. Clutch mechanism and changing of speed. 1,739,216; Dec. 10.
 Durr, Andre H. V., assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Resinous condensation product and preparing same. 1,739,446; Dec. 10.
 Durr, Andre H. V., assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Resinous condensation product. 1,739,447; Dec. 10.
 Durr, Andre H. V., assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Resinous condensation product. 1,739,448; Dec. 10.
 Eagle Wagon Works. (See Sherwood, William E., assignor.)
 Eagley, Karl C. (See Wilson, G. B., and Eagley.)
 Eastman Kodak Company. (See Clarke, H. T., and Malm, assignors.)
 Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)
 Eaton Axle-Spring Company, The. (See Veale, George W., assignor.)
 Eaton, George M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible gear. 1,739,130; Dec. 10.
 Eaton, William T., assignor of one-half to W. Gamble, Wanganui, New Zealand. Clutch. 1,739,390; Dec. 10.
 Ekke, Max H., Kiel, Wis. Folding table. 1,739,449; Dec. 10.
 Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
 Economy Pump and Oil Tool Company. (See Taylor, James W., assignor.)
 Edwards, Charles P., San Diego, Calif. Chair. Des. 80,076; Dec. 10.
 Edwards, Henry J., Elyria, and A. B. Gilbert, Toledo, assignors to The Willys-Overland Company, Toledo, Ohio. Engine balancer. 1,738,876; Dec. 10.
 Edwards, Henry J., Elyria, and A. B. Gilbert, Toledo, assignors to The Willys-Overland Company, Toledo, Ohio. Engine balancer. 1,738,877; Dec. 10.
 Edwards, J. S. (See White, George W., assignor.)
 Edwards, O. M., Company, The. (See Aye, Roy T., assignor.)
 Efcoll Corporation. (See von Nessen, Walter, assignor.)
 Eick, Frederick Van N., Bedminster, N. J. Hose coupling. 1,739,131; Dec. 10.
 Eight Wheel Motor Vehicle Company. (See Fageol, Rollie B., assignor.)
 Elsinga, Dirk, Los Angeles, Calif., assignor to National Steel Construction Co., Seattle, Wash. Thermostatic control. 1,738,878; Dec. 10.
 Electrolux Servel Corporation. (See Munters, C. G., and Tandberg, assignors.)
 Electrolux Servel Corporation. (See von Platen, B. C., Munters, and Backstrom, assignors.)
 Elevator Supplies Company. (See Richardson, Henry F., assignor.)
 Elias, Max, New York, N. Y., assignor of one-half to A. L. Nebel, Cleveland Heights, Ohio. Fabrication of ornamented sheet surfacing materials. 1,738,696; Dec. 10.
 Elsay, George W., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starter. 1,739,023; Dec. 10.
 English, Gordon P., and J. H. Becker, San Francisco, Calif., assignors, by mesne assignments, to American Research and Development Company. Liquid-level indicator. 1,738,949; Dec. 10.
 Ensign, Harmon O., Cleveland Heights, Ohio. Music supporting and turning device. 1,739,065; Dec. 10.
 Epperson, Frank W., Oakland, Calif. Frozen confection and producing same. 1,738,879; Dec. 10.
 Ercolani, Umberto. (See Koban, M., and Ercolani.)
 Erie Malleable Iron Company. (See Selah, Howard A., assignor.)

Erle Malleable Iron Company. (See Swanson, Elmer J. S., assignor.)
 Errett, Charles. (See Lockwood, Marquis H., assignor.)
 Errett, Charles. (See Main, William J., assignor.)
 Essen, Eric E., Brooklyn, N. Y. Valve-spring compressor. 1,739,391; Dec. 10.
 Essex Rubber Company. (See Stimson, Edwin L., assignor.)
 Evans Auto Loading Co. Inc., The. (See Evans, E. S., and Snyder, assignors.)
 Evans Auto Loading Co. Inc., The. (See Seeley, Fay L., assignor.)
 Evans, Edward S., and C. L. Snyder, assignors to The Evans Auto Loading Co. Inc., Detroit, Mich. Wheel hold down. 1,739,354; Dec. 10.
 Eynon, Thomas M., Philadelphia, Pa. Dashboard liquid-level indicator. 1,739,297; Dec. 10.
 Faas, Henry R. (See Wirshing, R. J., and Faas.)
 Fageol, Rollie B., Los Angeles, Calif., assignor to Eight-Wheel Motor Vehicle Company. Torquing arrangement for tandem-axle vehicles. 1,739,355; Dec. 10.
 Fageol, Rollie B., Los Angeles, assignor to Eight-Wheel Motor Vehicle Company, San Francisco, Calif. Multi-wheel road vehicle. 1,739,450; Dec. 10.
 Fallert, August J., Akron, Colo. Road-grader attachment. 1,739,880; Dec. 10.
 Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission. 1,738,697; Dec. 10.
 Federal Electric Company. (See Berggren, Nels, assignor.)
 Federal Electric Company. (See Hall, Lee, assignor.)
 Felsenfeld, Jack J., Brooklyn, N. Y. Bracelet clasp for wrist watches. 1,739,767; Dec. 10.
 Fiddelde, Harry J., assignor to Hall Manufacturing Company, Chicago, Ill. Reproducing needle for talking machines, phonographs, and similar instruments. 1,739,219; Dec. 10.
 Field, John F., Owosso, Mich. Mixing machine. 1,739,066; Dec. 10.
 Fink, Collin G., and J. R. Beers, New York, N. Y., assignors to The American Thermos Bottle Company, Norwalk, Conn. Manufacture of double-walled vacuum receptacles. 1,738,991; Dec. 10.
 Fischer, Howard L., St. Paul, Minn. Key case. 1,738,698; Dec. 10.
 Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Combined penholder and calendar. Des. 80,077; Dec. 10.
 Fleming, Robert G., Chico, Calif., assignor, by mesne assignments, to Smokador Manufacturing Company, Inc., New York, N. Y. Ash tray. 1,738,566; Dec. 10.
 Fleming, Wells S., Portland, Ore. Protective plug for drainage fixtures. 1,739,067; Dec. 10.
 Flentje, Ernst, Cambridge, Mass. Shock absorber. 1,739,132; Dec. 10.
 Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Forging steel gate-valve bodies. 1,738,567; Dec. 10.
 Flood, Earl D., Cleveland, Ohio. Combined filler and stain. 1,738,992; Dec. 10.
 Focke, Heinrich, Bremen, Germany. Aeroplane of duck-type construction. 1,738,568; Dec. 10.
 Foote, Charles E., assignor, by mesne assignments, to The Foote Company, Inc., Nunda, N. Y. Boom and bucket for concrete pavers. 1,739,392; Dec. 10.
 Foote Company, The. (See Foote, Charles E., assignor.)
 Forberg, Albert, assignor to La Pointe Machine Tool Company, Hudson, Mass. Broach. 1,739,220; Dec. 10.
 Ford, Ben K., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing flexible strands. 1,739,298; Dec. 10.
 Ford, Edward, Plate Glass Company, The. (See Fowler, Ival G., assignor.)
 Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,739,133; Dec. 10.
 Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refuse pit. 1,739,135; Dec. 10.
 Forrey, George C., Jr. (See Bugbee, Lucian W., Jr., assignor.)
 Forsyth Draft-Gear Corporation. (See Forsyth, Joseph E., assignor.)
 Forsyth, Joseph E., Chicago, Ill., assignor to Forsyth Draft-Gear Corporation. Draft gear. 1,739,134; Dec. 10.
 Fowler, Clarence B., New York, N. Y. Whistle cup. 1,739,451; Dec. 10.
 Fowler, Ival G., Toledo, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio. Glassware-forming means. 1,739,452; Dec. 10.
 Frankenhauer, Walter, and G. Roessler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Agfa Anso Corporation, Binghamton, N. Y. Preparation of photosensitive photographic emulsions. 1,738,530; Dec. 10.
 Frantz, George A., et al., trustees. (See Baker, William E., assignor.)
 Freer, Phelps M., Detroit, Mich. Piston. 1,739,221; Dec. 10.
 Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Front-wheel brake. 1,738,768; Dec. 10.

Frenier, Albert B., Chicago, Ill., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y. Burning liquid fuel in furnaces for heating buildings. 1,738,881; Dec. 10.
 Freudenreich, William F., et al., trustees. (See Arcey, Fred C., assignor.)
 Frick Company. (See Zumbro, F. R., and Shenton, assignors.)
 Friedley-Voshardt Co. (See Ketterling, William T., assignor.)
 Fritz, Adolph H., Litchfield, and E. J. Pardon, assignors to Union Hardware Company, Torrington, Conn. Skate wheel. 1,739,474; Dec. 10.
 Fry, Walter L., New York, N. Y. Brake-locking device. 1,738,769; Dec. 10.
 Fuller, Claud E., New York, N. Y., assignor to New York Brick Handling Corporation, New York, N. Y. Receiving station. 1,738,569; Dec. 10.
 Fulton Iron Works Company. (See Struebig, Louis J., assignor.)
 Funderburk, Perry. (See Kubin, V. J., and Funderburk.)
 Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,738,570; Dec. 10.
 Furness, Radclyffe, Jenkintown, Pa. Ingot mold. 1,738,882; Dec. 10.
 Gale, William A. (See Ritchie, C. F., and Gale.)
 Gambles, William. (See Eaton, William T., assignor.)
 Gamewell Company, The. (See Grace, Michael J., assignor.)
 Gare, Thomas, Stockport, England. Wearing surface of pavements, roads, treads, and the like. 1,738,571; Dec. 10.
 Garino, Oreste, Butte, Mont. Separable rock drill. 1,738,883; Dec. 10.
 Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company, Rock-drilling mechanism. 1,739,356; Dec. 10.
 Gat Gun Lubricating Corporation. (See White, Claude E., assignor.)
 Gatchell, Frederick D., New York, N. Y. Refillable bottle for vending oil. 1,739,357; Dec. 10.
 Gatchell, George S., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-forming device for sewing machines. 1,738,644; Dec. 10.
 Gathmann, Emil, Baltimore, Md. Shrink-head casing for ingot molds. 1,739,222; Dec. 10.
 Gay, Frazer W., Newark, N. J. Alternating-current generator and electric system including the same. 1,739,136; Dec. 10.
 Gay, Frazer W., Newark, N. J. Heat-transfer means for rotating electrical machinery. 1,739,137; Dec. 10.
 Gaymy, Emil, administrator. (See Retif, Georges.)
 Gearhart, Emory J., Clearfield, Pa. Looping machine. 1,739,358; Dec. 10.
 Gearhart, Roy E., assignor of one-half to T. W. Lee, Kansas City, Mo. Windshield wiper. 1,738,884; Dec. 10.
 Gebrüder Brehmer Maschinenfabrik. (See Kleinschmitt, Oscar, assignor.)
 Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,739,223; Dec. 10.
 Gemberling, Cameron H., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, Spool for disk-gang assemblies. 1,738,885; Dec. 10.
 General Aniline Works, Inc. (See Metzger, Richard, assignor.)
 General Electric Company. (See Adair, George P., assignor.)
 General Electric Company. (See Bird, Lester F., assignor.)
 General Electric Company. (See Carter, Emmett F., assignor.)
 General Electric Company. (See Dreghorn, Herbert, assignor.)
 General Electric Company. (See Dunoyer, L. D. J. A., and Toulon, assignors.)
 General Electric Company. (See Jacoby, R., and Koref, assignors.)
 General Electric Company. (See Savage, Arthur C., assignor.)
 General Motors Corporation. (See Blackmore, Lloyd, assignor.)
 General Motors Corporation. (See Doane, H. C., and Blackmore, assignors.)
 General Motors Corporation. (See Frehse, Albert W., assignor.)
 General Motors Corporation. (See Goodspeed, Elvin S., assignor.)
 General Motors Corporation. (See Harbour, Albert S., assignor.)
 General Motors Corporation. (See Richard, Eugene C., assignor.)
 General Motors Corporation. (See Taylor, Donald S., assignor.)
 General Motors Corporation. (See Whitten, Frank A., assignor.)
 General Motors Research Corporation. (See Wirshing, R. J., and Faas, assignors.)
 General Optical Co. (See Clement, Hans, assignor.)
 General Spring Bumper Corporation. (See Jandus, Herbert S., assignor.)
 General Spring Bumper Corporation. (See Jandus, H. S., and Goodrich, assignors.)

General Talking Pictures Corporation. (See De Forest, Lee, assignor.)
 Gerth, Felix, Berlin-Tempelhof, and H. Schumacher, Berlin-Lichterfelde, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High-frequency oscillator. 1,739,299; Dec. 10.
 Gervais, Leo P. (See Cook, K. B., and Gervais.)
 Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, Otto, assignor.)
 Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
 Geyer, Mathilde T., New York, N. Y. Flexible tail light for vehicles. 1,738,770; Dec. 10.
 Gibson Art Company. (See Gibson, William H., assignor.)
 Gibson, Francis W., West Roxbury, Mass. Container. 1,738,821; Dec. 10.
 Gibson, William H., assignor to Gibson Art Company, Cincinnati, Ohio. Card-deckling machine. 1,739,300; Dec. 10.
 Gilbert, Alva B. (See Edwards, H. J., and Gilbert.)
 Gilbert, Henry J., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing table. 1,738,886; Dec. 10.
 Gillen, George A., Jersey City, N. J., assignor to Gillen, Kimmey, Baker Syndicate Inc., New York, N. Y. Automobile wheel lock. 1,738,699; Dec. 10.
 Gillen, Kimmey, Baker Syndicate Inc. (See Gillen, George A., assignor.)
 Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company. Rotary fluid-pressure motor. 1,738,645; Dec. 10.
 Giragoslan, Bedros, Watertown, Mass. Water heater. 1,739,138; Dec. 10.
 Glaeser, Ado, Woodhaven, assignor to Modern Office Devices, Inc., New York, N. Y. Paper punch. 1,738,572; Dec. 10.
 Glaeser, Charles G. H., Newark, N. J., assignor, by mesne assignments, to Congoleum-Nairn Inc., Philadelphia, Pa. Making insid linoleum and the product thereof. 1,738,887; Dec. 10.
 Gleason, John W., et al., trustees. (See Arcey, Fred C., assignor.)
 Goff, Charles A., Grafton, W. Va. Railway-track-aligning tool. 1,739,453; Dec. 10.
 Goff, Nara D., Clinton, Iowa. Washboller. 1,739,454; Dec. 10.
 Gold Car Heating & Lighting Company. (See Brumbaugh, Jacob O., assignor.)
 Goldenberg, Ben Z., Alexandria, Egypt, assignor to Rhelniche Metallwaren- und Maschinenfabrik, Düsseldorf-Derendorf, Germany. Escapement mechanism for typewriter. 1,738,950; Dec. 10.
 Goldsmith, Byron B., New York, and H. Grossman, Bronx, N. Y., assignors to The American Lead Pencil Company. Pencil lead and making same. 1,738,888; Dec. 10.
 Goldstein, Adolph O., assignor to Sno-Ko Inc., Santa Cruz, Calif. Casing for an ice-shaving machine. Des. 80,078; Dec. 10.
 Goldstein, Louis, Union City, N. J. Textile fabric. Des. 80,079; Dec. 10.
 Goldstein, Max H., Chicago, Ill. Conducting electricity for motor vehicles. 1,738,889; Dec. 10.
 Goodman, Abraham, New York, and J. Goodman, Brooklyn, N. Y. Hair-ends waver. 1,739,301; Dec. 10.
 Goodman, Jacob. (See Goodman, Abraham and J.)
 Goodrich, Charles H., Whipple, Ariz. Steam-superheating plant. 1,738,890; Dec. 10.
 Goodrich, Francis H. (See Jandus, H. S., and Goodrich.)
 Goodspeed, Elvin S., assignor to General Motors Corporation, Detroit, Mich. Arc welding. 1,738,573; Dec. 10.
 Goodyear Tire & Rubber Company, The. (See Calvert, William C., assignor.)
 Goodyear Tire & Rubber Company, The. (See Clifford, Albert M., assignor.)
 Goodyear Tire & Rubber Company, The. (See Sebrell, Lorin B., assignor.)
 Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Automatic weft-replenishing loom. 1,739,224; Dec. 10.
 Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism for looms. 1,739,225; Dec. 10.
 Goss, Zeb S., West Fitchburg, Mass. Nozzle. 1,739,226; Dec. 10.
 Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,738,574; Dec. 10.
 Grace, Michael J., Charleston, S. C., assignor, by mesne assignments, to The Gamewell Company, Newton Upper Falls, Mass. Key and lever guard for fire-alarm boxes. 1,738,581; Dec. 10.
 Grady, John O., Birmingham, Ala. Container cover. 1,738,898; Dec. 10.
 Graf, Edward F., assignor to Prouditt Loose-Leaf Co., Grand Rapids, Mich. Inking punch. 1,738,891; Dec. 10.
 Grand Rapids Brass Company. (See Roedding, Gordon E., assignor.)
 Graves, Benjamin P., Cranston, assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Coolant supply for milling machines. 1,738,646; Dec. 10.

Graves, Benjamin P., Cranston, assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Machine clamp. 1,738,647; Dec. 10.
 Gray, Ishmael H., Indianapolis, Ind. Swinging tag forked mounting. 1,738,892; Dec. 10.
 Grayson, Pauline, New York, N. Y. Cleaning device. 1,738,993; Dec. 10.
 Gredell, Otto N., Kansas City, Mo. Forming spiral conveyers. 1,738,994; Dec. 10.
 Greene, Otto W., Elyria, assignor to Industrial Research Corporation, Toledo, Ohio. Charge-forming device. 1,738,823; Dec. 10.
 Gregorich, James, Joliet, Ill., assignor to The Dorr Company, New York, N. Y. Feed repulper for sedimentation apparatus. 1,739,302; Dec. 10.
 Griswold, Forrest E., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio speaker diaphragm. 1,738,575; Dec. 10.
 Gridley Dairy Co. (See Kelly, F. W., and Luedicke, assignor.)
 Griffin, Joseph F., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust-steam injector. 1,738,824; Dec. 10.
 Griswold, Darwin G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Method of and apparatus for coating metal articles. 1,739,482; Dec. 10.
 Grossman, Harold. (See Goldsmith, B. B., and Grossman.)
 Grubb, Charles H., Baraboo, Wis. Stanchion sure stop. 1,729,227; Dec. 10.
 Guardian Trust Company, The. (See Napier, George R., assignor.)
 Guenther, Raymond. (See Ingalls, A. H., and Guenther.)
 Gulbransen, Lars, Mason City, Iowa. Mail-delivery system. 1,738,894; Dec. 10.
 Gustafson, Edwin A., assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive. 1,738,771; Dec. 10.
 Guthrie, James M. (See Messler, E. L., and Guthrie.)
 Habann, Wilhelm E. E., Berlin, Germany. Transmitting the speech by high-frequency waves. 1,739,455; Dec. 10.
 Hack, Thomas M. (See Stuthridge, J. H., and Hack.)
 Hadwin, Harry, Glossop, England. Cloth expander. 1,738,700; Dec. 10.
 Hagenauer, Karl, Vienna, Austria. Holder for a jar or similar article. Des. 80,080; Dec. 10.
 Haight, Hiram H., Milwaukee, Wis. Pump. 1,739,139; Dec. 10.
 Hale, Frank M., Chester, W. Va. Belt buckle. 1,738,576; Dec. 10.
 Hall, Bicknell, Quincy, Mass. Latch. 1,738,648; Dec. 10.
 Hall, Lee, assignor to Federal Electric Company, Inc., Chicago, Ill. Sign. 1,738,895; Dec. 10.
 Hall Manufacturing Company. (See Fiddelde, Harry J., assignor.)
 Hall, Robert F., Wythall, near Birmingham, England. Machine for the manufacture of glass articles. 1,739,140; Dec. 10.
 Hamer, Clarence, Ilion, N. Y., assignor to Remington Arms Company, Inc. Making and repairing printing rollers. 1,738,995; Dec. 10.
 Hamilton, John R. (See Lowe, E. A., and Hamilton.)
 Hamilton, Peter J., and L. F. Meunier, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Hose coupling. 1,738,996; Dec. 10.
 Hand, Carl N., T. W. Bartram, and A. H. Maude, Nitor, W. Va., assignors to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of acetaldehyde. 1,738,649; Dec. 10.
 Handy Things Manufacturing Company. (See Des Ententes, Edward, sr., assignor.)
 Hanna, John P., assignor to National Recording Pump Company, Dayton, Ohio. Liquid-dispensing apparatus. 1,738,701; Dec. 10.
 Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Liquid-feeding device for rock drills. 1,739,141; Dec. 10.
 Hansen, Charles P., assignor of one-half to D. Hansen, Evan, Minn. Automobile trailer-hitch attachment. 1,739,456; Dec. 10.
 Hansen, Dell. (See Hansen, Charles P., assignor.)
 Hansen, Otto C., St. Joseph, Mo., assignor to Swift and Company, Chicago, Ill. Meat-saw guard. 1,738,996; Dec. 10.
 Harbert, Victor H., Springfield, Ill. Retaining-valve bracket. 1,738,897; Dec. 10.
 Harbour, Albert S., Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich. Engine mounting. 1,738,532; Dec. 10.
 Harding Machine Corporation. (See Anderson, H., and Lindgren, assignors.)
 Harmon & Co. Inc. (See Harty, W. A., and Moore, assignors.)
 Harmon, Kenneth R., assignor of one-half to Barbee Hayes Co., Norfolk, Va. Ice shaver. 1,738,825; Dec. 10.
 Harmon, Robert H., Saxtons River, Vt. Bottle stopper. 1,739,393; Dec. 10.
 Harnischfeger Corporation. (See Brown, Robert L., assignor.)
 Harnischfeger Corporation. (See Mitchell, H. L., and Ljungkull, assignors.)
 Harris, James E., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Producing materials in finely-divided form. 1,739,068; Dec. 10.

Harris, Leland D., Salt Lake City, Utah. Electrical reproducer for phonograph records. 1,739,228; Dec. 10.
 Harrison, George D. (See Myers, W. L., and Harrison.)
 Harrison, William E., Union City, Ind. Bottle opener. 1,739,457; Dec. 10.
 Harry, Gordon W., assignor to A C Spark Plug Company, Flint, Mich. Outboard-motor tachometer organization. 1,738,772; Dec. 10.
 Hart, Howard C., Russiaville, Ind. Screened ventilating window for automobiles. 1,739,029; Dec. 10.
 Hartford-Empire Company. (See Peller, Karl E., assignor.)
 Hartman, Louis H., Toledo, Ohio, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Cutter for paper-bag tubes. 1,739,394; Dec. 10.
 Hartwell, Benjamin E., Winchester, Mass. Heel breasting and pressing machine. 1,738,533; Dec. 10.
 Hart, William A., Buffalo, N. Y., and F. W. Moore, Thorold, Ontario, Canada, assignors to Harmor & Co. Inc., Buffalo, N. Y. Rotary drier. 1,738,826; Dec. 10.
 Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism. 1,738,702; Dec. 10.
 Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,738,703; Dec. 10.
 Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,739,229; Dec. 10.
 Hasselbring, John, Jr., Woodhaven, assignor to Royalty Holding Corporation, Brooklyn, N. Y. Starter for internal-combustion engines. 1,739,069; Dec. 10.
 Hausenbeck, William A., Washington, D. C. Anchor raising and lowering means. 1,738,359; Dec. 10.
 Haven, William A., Youngstown, Ohio. Blast-furnace operation. 1,738,577; Dec. 10.
 Hawkins, George, Detroit, Mich. Tube closure. 1,739,303; Dec. 10.
 Hawley, Jesse G., Painted Post, N. Y. Shock absorber. 1,739,304; Dec. 10.
 Haydis, Maurice. (See James, Roy W., assignor.)
 Hayman, Eber J., Parkersburg, W. Va. Joint for metallic members. 1,738,578; Dec. 10.
 Hazel-Atlas Glass Co. (See Bryant, Thomas W., assignor.)
 Hazeley, Edward, and E. A. Morton, Coventry, assignors to Courtaulds Limited, London, England. Manufacture and production of artificial threads, filaments, ribbons, and the like. 1,739,458; Dec. 10.
 Head, Ronald, London, England, assignor, by mesne assignments, to Baker Perkins Company, Saginaw, Mich. Mixing apparatus. 1,738,898; Dec. 10.
 Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Holding-circuit means. 1,738,997; Dec. 10.
 Heene, George W., Cleveland, Ohio. Stamping machine. 1,738,899; Dec. 10.
 Heim, Daniel C., Sunbury, Pa. Mixing mill. 1,739,149; Dec. 10.
 Heine Roller Company. (See Hinman, John H., assignor.)
 Helfrich, Oregon B. (See Kessler, J. M., and Helfrich.)
 Henderson, John J. (See Henderson, William, and J. J.)
 Henderson, William, and J. J. Henderson, Philadelphia, Pa. Ruz. Des. 80,083; Dec. 10.
 Henry, Arthur J., assignor of one-half to S. J. Bush, Los Angeles, Calif. Electrical heating unit for tanks. 1,739,080; Dec. 10.
 Henry, William C., assignor of one-half to W. Johnson, Bellefonte, Pa. Belt buckle. 1,738,900; Dec. 10.
 Hercules Powder Company. (See McBride, Lewis M., assignor.)
 Hermann, Louis T., San Diego, Calif. Typewriter desk. 1,739,070; Dec. 10.
 Hess, Raymond W. (See Moses, F. G., Hess, and Perkins.)
 Hesse, Arthur E., St. Paul, Minn. Vapor condensing and recovery device. 1,738,773; Dec. 10.
 Hester, James E., Pittsburgh, Pa. Clothesline support. 1,738,704; Dec. 10.
 Heugas, Henri A., Paris, France. Wrist-watch fastener. 1,738,579; Dec. 10.
 Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Process and apparatus for regulating chemical reactions. 1,739,230; Dec. 10.
 Hickok Manufacturing Company. (See Ritter Curt, assignor.)
 Hickok, W. O., Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)
 Hilditch, Thomas P., Grappenhall, and H. J. Wheaton, Lower Walton, near Warrington, England, assignors, by mesne assignments, to H. N. Holmes, Oberlin, Ohio. Production of absorbent material. 1,739,305; Dec. 10.
 Hill, Edward E., Woodhaven, and F. V. Magalhães, Brooklyn, assignors, by mesne assignments, to T. E. Murray, Jr., Brooklyn, N. Y. Switch-box cover and attachment. 1,739,142; Dec. 10.
 Hiller, Stanley, Incorporated. (See Hiller, Stanley, assignor.)
 Hiller, Stanley, San Jose, Calif., assignor to Stanley Hiller, Incorporated. High-pressure press. 1,739,459; Dec. 10.
 Himmelfright, Raleigh J., New York, N. Y., assignor to American Arch Company. Furnace arch. 1,738,580; Dec. 10.
 Hinman, John H., assignor to Heine Roller Company, St. Louis, Mo. Baffle or wall. 1,738,774; Dec. 10.
 Hinman Milking Machine Company. (See Hinman, Ralph L., assignor.)
 Hinman, Ralph L., assignor to Hinman Milking Machine Company, Oneida, N. Y. Teat cup. 1,739,483; Dec. 10.
 Hinton, George B., Mexico, Mexico. Cellular fabric. 1,739,460; Dec. 10.

Hipwell, Harry T., Pittsburgh, Pa. Flash lamp. 1,738,725; Dec. 10.
 Hitch, Emmet F., H. Jordan, and A. O. Bradley, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disazo dye and preparing the same. 1,739,031; Dec. 10.
 Hitch, Emmet F., H. Jordan, and A. O. Bradley, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disazo dye and preparing the same. 1,739,032; Dec. 10.
 Hodgson, Albert E., and N. C. Jones, London, England. Apparatus for generating oil gas. 1,739,461; Dec. 10.
 Hodgson, Harriette E., New York, N. Y. Child's tether. 1,738,581; Dec. 10.
 Hoe, R., & Co. (See Ball, H. V., and Smalley, assignors.)
 Hoe, R., & Co. (See Schmidt, Louis A., assignor.)
 Hoegger, Joseph A., Jersey City, N. J. Concealed door hinge and stop. 1,738,705; Dec. 10.
 Hoevel, Herman F. (See Auerbach, Karl, assignor.)
 Hoevel, Herman F. (See Menne, Fritz, assignor.)
 Hoesy, John J., Providence, R. I. Tenter clip. 1,739,071; Dec. 10.
 Hoffman, Andrew, Manufacturing Company. (See Bock, Charles S., assignor.)
 Hoffman, Ren P. (See Blsbee, W. G., and Hoffman.)
 Hoffmann, William J., Brooklyn, N. Y. Heat exchanger. 1,738,706; Dec. 10.
 Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Portable compressor outfit. 1,738,650; Dec. 10.
 Holdsworth, Harry. (See Holdsworth, John W., and H.)
 Holdsworth, John W., and H. New Rochelle, N. Y. Method of and apparatus for forming concrete floors or the like. 1,739,231; Dec. 10.
 Holmes, Edward, Gastonbury, Conn. Spoon or similar article. Des. 80,082; Dec. 10.
 Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-off for looms. 1,739,232; Dec. 10.
 Holmes, Harry N. (See Hilditch, T. P., and Wheaton, assignor.)
 Holmes, Harry N., Oberlin, Ohio. Impregnation of porous gels with metals or other insoluble material. 1,739,306; Dec. 10.
 Holmes, Harry N., Oberlin, Ohio. Impregnation of porous gels with a solid material. 1,739,307; Dec. 10.
 Holzschelter, Fritz. (See Ruttiman, P., sr., and Holzschelter.)
 Holzworth, Ernest H., Buffalo, N. Y. Blast-furnace tuyere. 1,738,901; Dec. 10.
 Holzmann, Hans, East Cleveland, assignor to The Chandler and Price Company, Cleveland, Ohio. Variable-speed drive. 1,739,150; Dec. 10.
 Hopkins, Robert C., Alliance, Ohio. Oil-regulating device. 1,739,360; Dec. 10.
 Horrocks Desk Company. (See Simmons, George P., assignor.)
 Hoshehn, Louis H., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Furnace-wall construction. 1,738,707; Dec. 10.
 Howard, Joseph R., London, England. Apparatus for exercising the ocular muscles and for fusion framing. 1,738,708; Dec. 10.
 Howard, Lucy H., Hartwell, Ga. Card game. 1,738,902; Dec. 10.
 Howard, Stanley R., East Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing and packaging machine. 1,739,072; Dec. 10.
 Howie Company. (See Diebel, Henry, assignor.)
 Howser, Walter M., Indianapolis, Ind. File holder. Re17 516; Dec. 10.
 Hoy, Harry L., Chicago, Ill. Change-speed-gear transmission. 1,739,308; Dec. 10.
 Huber, John H. (See Johnson, Edward H., assignor.)
 Hudd, Alfred E., New Brighton, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Railway signaling system. 1,738,903; Dec. 10.
 Hudson, Alexander M. (See Twetten, Clarence H., assignor.)
 Huenefeld, Walter E., Cincinnati, Ohio. Stovepipe or the like. 1,739,233; Dec. 10.
 Huggins, Merion J., Upper Saddle River, N. J., assignor to Auto-Meter Company, Inc., New York, N. Y. Electric-current measuring and indicating means. 1,738,651; Dec. 10.
 Hulbert, Edwin F., Milwaukee, assignor to The Master Package Corporation, Owen, Wis. Container. 1,738,951; Dec. 10.
 Hulbert, Edwin F., assignor to The Master Package Corporation, Owen, Wis. Container. 1,738,952; Dec. 10.
 Hull, Harry E., Washington, D. C. Motor-vehicle control pedals. Re17 520; Dec. 10.
 Hulise, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Supporting fixture. 1,738,652; Dec. 10.
 Hulshizer, George W., Stewartville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,739,143; Dec. 10.
 Humphreys, William H., Yonkers, N. Y., and W. J. Pollock, Bronx, N. Y. Electric fuse. 1,739,309; Dec. 10.
 Hunt, German B., and M. M. Hunt, Monroe, La. Apparatus for prolonging the life of cut flowers. 1,739,462; Dec. 10.
 Hunt, Mary M. (See Hunt, German B. and M. M.)

Hunt, Sydney, Birmingham, England. Machine for the manufacture of glass articles. 1,739,145; Dec. 10.
 Huntington, Humbert T. S., Providence, R. I. Arch support. 1,738,827; Dec. 10.
 Huntworth, Frank H., Seattle, Wash. Vehicle headlight regulator. 1,739,144; Dec. 10.
 Hurlburt, Gerald T., Detroit, assignor to The Allington & Curtis Manufacturing Company, Saginaw, Mich. Shaper hood. 1,739,484; Dec. 10.
 Hydraulic Brake Company. (See Loughhead, Malcolm, assignor.)
 Hyman, Henry. (See Muldoon, Bernard F., assignor.)
 I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, R., Schlecht, and Köhler, assignors.)
 Illinois-Pacific Glass Corporation. (See Raynes, H. J., and Denning, assignors.)
 Industrial Research Corporation. (See Greene, Otto W., assignor.)
 Industrial Waste Products Corporation. (See Dickerson, Walter H., assignor.)
 Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
 Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
 Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)
 Ingalls, Alfred H., Orange, and R. Guenther, Paterson, N. J., assignors to American Telephone and Telegraph Company. Telephone receiver. 1,738,653; Dec. 10.
 Inland Manufacturing Company, The. (See Chilton, Ralph H., assignor.)
 Inouye, Jinkichi, Sendai, Miyagi-Ken, Japan. Manufacturing acidproof and waterproof black ink. 1,738,998; Dec. 10.
 International Combustion Engineering Corporation. (See Zinkernagel, Richard, assignor.)
 International Fireproof Products Corporation. (See Vivas, Fernando S., assignor.)
 International Projector Corporation. (See De Vault, Ralph P., assignor.)
 Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
 Ioeiger, August G., Harper, Kans. Caponizing instrument. 1,739,146; Dec. 10.
 Jackson, Arthur H., Huntington Park, Calif. Low-resistance permanent wire. 1,738,828; Dec. 10.
 Jackson, George P. (See Van Brunt, J., and Jackson.)
 Jacobson, Bror J., and L. C. Martin, assignors to Martin-Copeland Company, Providence, R. I. Vernier radio-dial. 1,739,310; Dec. 10.
 Jacoby, Arell H. (See Chapin, E. S., and Jacoby.)
 Jacoby, Richard, and F. Korf, Berlin, Germany, assignors to General Electric Company. Making metal filaments. 1,739,234; Dec. 10.
 Jacques, Joseph C., Buffalo, N. Y. Stair tread and holder. 1,738,775; Dec. 10.
 Jaedike, Henry, Brooklyn, N. Y. Piston ring. 1,739,361; Dec. 10.
 Jaeger Machine Company, The. (See Mosel, Joseph H., assignor.)
 Jahn, Frederick L., Stonehurst, assignor to Watson & McDaniel Co., Philadelphia, Pa. Steam trap. 1,739,311; Dec. 10.
 Jakubowski, Leon J., Norwich, Conn. Hot-dish-removing device. 1,739,038; Dec. 10.
 James, Roy W., Covina, assignor of forty-nine one-hundredths to M. Hardy, Los Angeles, Calif. Acoustic-control wall. 1,738,654; Dec. 10.
 Jandus, Herbert S., and F. H. Goodrich, Detroit, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation, Bumper. 1,739,235; Dec. 10.
 Jandus, Herbert S., Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Resilient clamp. 1,739,236; Dec. 10.
 Janssen, Hendrik J. J., assignor to Naamloze Venootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Manufacturing dyed artificial silk. 1,739,476; Dec. 10.
 Jarvis, Charles W., Courtland, Calif. Asparagus wagon. 1,739,463; Dec. 10.
 Jeanes, William P., and C. Drimmer, Philadelphia, Pa. Motion-picture machine. 1,738,999; Dec. 10.
 Jeffrey Manufacturing Company, The. (See Dunlop, Robert R., assignor.)
 Jelks, James W., Miami, Fla. Screen for automobiles. 1,738,895; Dec. 10.
 Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Spot illumination of lens cells. 1,739,312; Dec. 10.
 Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
 Jensen, Aage, Los Angeles, Calif. Apparatus for treating liquids. 1,738,953; Dec. 10.
 Jensen, Aage, Los Angeles, Calif. Liquid-treating apparatus. 1,738,954; Dec. 10.
 Jensen, Leth, Paris, France. Carburetor for internal-combustion engines. 1,739,306; Dec. 10.
 Jensen, Henry L., Alameda, Calif. Oil burner. 1,738,655; Dec. 10.
 Johannessen, John, New York, N. Y. Game board. 1,738,582; Dec. 10.
 Johnsen, Bjornulf, Brooklyn, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Oil-dispensing apparatus. 1,739,313; Dec. 10.
 Johnson, Charles E., Muskegon, Mich. Oil-conserving piston. 1,738,534; Dec. 10.

Johnson, Edward H., Kohler, assignor of one-half to J. H. Huber, Sheboygan, Wis. Air moistener. 1,739,073; Dec. 10.
 Johnson, Jonas P., San Francisco, Calif. Firing tiles. 1,739,151; Dec. 10.
 Johnson, Maude E., Englewood, Colo. Sewing-machine attachment. 1,739,397; Dec. 10.
 Johnson, William. (See Henry, William C., assignor.)
 Jones, Howard B., Evanston, Ill. Electrical plug and socket connection. 1,738,709; Dec. 10.
 Jones, Howard B., Evanston, Ill. Identifying cabled wires. 1,738,710; Dec. 10.
 Jones, Howard B., Evanston, Ill. Multiple-connection device. 1,738,711; Dec. 10.
 Jones, James E., Chicago, Ill. Floor plate. 1,738,829; Dec. 10.
 Jones, Norman C. (See Hodgson, A. E., and Jones.)
 Jones, Percival W., Warwick, assignor to Rosenheim Co., Inc., Providence, R. I. Extension device. 1,739,464; Dec. 10.
 Jones, Percy L., Medford, Mass. Water-vapor-supply device for fuel charges of internal-combustion engines. 1,738,904; Dec. 10.
 Jones, William M., Jr., Rochester, N. Y. Steering axle. 1,738,583; Dec. 10.
 Jordan, Alfred E., Murray, and N. Baldwin, East Mill Creek, Utah. Loud-speaker. 1,738,955; Dec. 10.
 Jordan, Henry. (See Hitch, E. F., Jordan, and Bradley.)
 Jordao, Alfredo, Jr., Sao Paulo, Brazil. Pumping unit. 1,739,000; Dec. 10.
 Jordhoy, Hans C., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Adjustable folder unit. 1,739,398; Dec. 10.
 Jørgensen, A., & Co. (See Jørgensen, Axel, assignor.)
 Jørgensen, Axel, assignor to A. Jørgensen & Co., Copenhagen, Denmark. Machine for automatic cutting of recesses or the like in straight or curved direction on surfaces. 1,739,465; Dec. 10.
 Jorgensen, Bernhard, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for removing surplus material from boots and shoes. 1,738,584; Dec. 10.
 Justus, David E., Kansas City, Mo. Toilet seat. 1,739,001; Dec. 10.
 Kahn, Joseph, Chicago, Ill. Loose-leaf binder. 1,738,585; Dec. 10.
 Kannevisher, Carl J., Rochester, N. Y. Device for testing typewriter ribbons. 1,738,830; Dec. 10.
 Karmasin, John, Detroit, Mich. Centrifugal cooling device. 1,739,314; Dec. 10.
 Karn, Mack L., Pontiac, Mich. Safety calk web. 1,739,237; Dec. 10.
 Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America, New York, N. Y. Circuit arrangement for the operation of photo-electric cells. 1,739,005; Dec. 10.
 Kauffung, Clarence H., assignor to Badger Manufacturing Corporation, Milwaukee, Wis. Automobile bumper. 1,739,074; Dec. 10.
 Kausal, Joseph B., Chicago, Ill. Cross-aisle light. 1,738,712; Dec. 10.
 Kavis, Oscar C., Syracuse, N. Y. Friction clutch. 1,739,399; Dec. 10.
 Kean, Otto V., Providence, R. I. Seat support. 1,738,831; Dec. 10.
 Kean, Otto V., Providence, R. I. Plaster-board construction. 1,738,832; Dec. 10.
 Keefer, Walter L., assignor to The Wolf Co., Chambersburg, Pa. Automatic economizer and temperature regulator for electric irons. 1,739,002; Dec. 10.
 Keenel, Roy B., Independence, Mo. Vending machine. 1,739,238; Dec. 10.
 Kee-Lox Manufacturing Company. (See Vossburg, Albert L., assignor.)
 Keffer, Allen W., Normal, Ky. Smoker's outfit. 1,739,239; Dec. 10.
 Keith, William G., Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Electric flasher. 1,738,713; Dec. 10.
 Keith, William G., Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Electric flasher. 1,738,714; Dec. 10.
 Kelch Ventilating Heater Company. (See Sunday, James J., assignor.)
 Kelley, Edward W. (See Weaver, G. E., and Kelley.)
 Kelley, Thomas L., Salem, S. Dak. Safety-line terret. 1,738,833; Dec. 10.
 Kelly, Frank W., and A. H. Luedicke, assignors to Gridley Dairy Co., Milwaukee, Wis. Pasteurizing apparatus. 1,738,834; Dec. 10.
 Kelly, Wallace W., Racine, Wis. Power-transmitting mechanism. 1,739,075; Dec. 10.
 Kelvinator Corporation. (See Spreen, Charles C., assignor.)
 Kemper, Albert H. (See Clemens, C. F., and Kemper.)
 Kennedy, Harry E. (See Mulvany, H. A., and Kennedy.)
 Kenney Manufacturing Company. (See Smith, Walter E., assignor.)
 Kessler, John M., West Orange, and O. B. Helfrich, Orange, N. J. Ether-alcohol ester of fatty acids. 1,739,315; Dec. 10.
 Ketterling, William T., assignor to Friedley-Voshardt Co., Chicago, Ill. Lantern. Des. 80,083; Dec. 10.

Kidwell, Grover C., assignor to Scott-Kidwell Jacket Co., Madison, Ind. Stuffing machine. 1,739,034; Dec. 10.
 Klefer, Henry B., Louisville, Ky. Adjusting means for garments. 1,738,905; Dec. 10.
 Kihnen, Henry C., sr., Monroe, La. Pedestal support. 1,739,466; Dec. 10.
 King, C. G., & Co. (See Smith, Walter E., assignor.)
 Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 1,739,362; Dec. 10.
 Kingsbury Machine Works, Inc. (See Kingsbury, Albert, assignor.)
 Kirby, Joseph. (See Madden, H. D., and Kirby.)
 Kirschbraun, Lester, Leonia, N. J. Aqueous dispersions and making same. 1,738,776; Dec. 10.
 Kirschbraun, Lester, Leonia, N. J. Bituminous composition and making same. 1,738,906; Dec. 10.
 Kleffmao, John, Hibbing, Minn. Snare. 1,738,907; Dec. 10.
 Klein, Gordon. (See Morris, G. D., and Klein.)
 Kleinow, Walter, Hennigsdorf, near Berlin, A. Morgenroth, Niedernuendorf, F. Reinhardt, Hennigsdorf, near Berlin, and W. Bruer, Velten, assignors to the firm Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Furnace for pulverulent fuel. 1,739,035; Dec. 10.
 Kleinschmit, Oscar, assignor to Gebrüder Brehmer Maschinenfabrik, Leipzig-Plagwitz, Germany. Signature gathering and stitching machine. 1,738,586; Dec. 10.
 Kilgenschmit, Addison R., Parnassus, Pa. Combination-lock switch. 1,739,003; Dec. 10.
 Klutho, Henry J., Jacksonville, Fla. Driving device for miniature golf balls. 1,739,467; Dec. 10.
 Klutho, Henry J., Jacksonville, Fla. Golf club. 1,739,468; Dec. 10.
 Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on heels. 1,738,587; Dec. 10.
 Knox, Harry A. (See Campbell, L. H. Jr., and Knox.)
 Koban, Max, and U. Ercolani, New York, N. Y. Illuminated purse. 1,739,316; Dec. 10.
 Koelkebeck, Carl W. A., Pittsburgh, Pa. Lubricating device. 1,739,076; Dec. 10.
 Kohler Company. (See Brotz, Frank G., assignor.)
 Köhler, Otto. (See Wietzel, R., Schlecht, and Köhler.)
 Konold, Christian, Verona, Pa., assignor to Creepcheck Company, Inc., New York, N. Y. Rail anchor. 1,739,004; Dec. 10.
 Koppers Company, The. (See van Ackereu, Joseph, assignor.)
 Kopp, Ernest, Long Beach, Calif. Inclination indicator. 1,738,589; Dec. 10.
 Korff, Fritz. (See Jacoby, R., and Korff.)
 Korrektorite Company. (See Oliver, Eben F., assignor.)
 Kraft, Gustav F., Kansas City, Mo. Individual combination salt and pepper shaker. 1,739,363; Dec. 10.
 Krah, Adolf. (See Neuhaus, Karl, assignor.)
 Krantz, Hubert K., Long Island, N. Y. Fuse-switch panel. 1,739,036; Dec. 10.
 Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Fuel-supply means for engines. 1,739,317; Dec. 10.
 Kronheim, Jacob, Cleveland, Ohio. Chair and couch. 1,739,147; Dec. 10.
 Kronmiller, Carl G., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Bag conveyor. 1,739,400; Dec. 10.
 Krum, Charles L. and H. L., assignors, by mesne assignments, to Teletype Corporation, Chicago, Ill. Printing-telegraph apparatus. 1,738,777; Dec. 10.
 Krum, Howard L. (See Krum, Charles L. and H. L.)
 Kubin, Van J., Torrance, and P. Funderburk, Huntington Beach, Calif. Rotary disk bit. 1,737,522; Dec. 10.
 Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electric melting pot. 1,738,908; Dec. 10.
 Kurtze, Reimar C. F. (See Crawford, W. E., and Kurtze.)
 Kurz, Anna M., administratrix. (See Kurz, Otto.)
 Kurz, Otto, deceased, Chicago, Ill.; A. M. Kurz, administratrix. Intermittent drive for score-keeping devices. 1,738,909; Dec. 10.
 Lacene Manufacturing Company. (See Cogswell, Leander A., assignor.)
 Lafferty, Samuel M., and H. J. Burgwin, assignors to Burgwin-Herron Motor Company, Pittsburgh, Pa. Display device. 1,739,148; Dec. 10.
 Lake, Arthur E., Bishop's Stortford, England. Transport device for damaged vehicles. 1,739,364; Dec. 10.
 Lampert, Edward J., Chicago, Ill. High or low pressure flash boiler. 1,739,401; Dec. 10.
 Lancaster, Orville W., South Whitley, Ind. Foot brake for railway cars. 1,739,365; Dec. 10.
 Landis & Gyr, A.-G. (See Moos, Paul, assignor.)
 Landis Machine Company. (See Shearer, Harry T., assignor.)
 Lang, Guy A., San Dimas, Calif. Combination child's chair. 1,739,366; Dec. 10.
 Lange, William L., New York, N. Y. Banjo head. 1,739,006; Dec. 10.
 Langenkamp, Paul, Darmstadt, Germany. Stable pulverized hair dye. 1,738,590; Dec. 10.
 Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Measuring-tape reel. 1,739,240; Dec. 10.
 Lannoye, Auguste, Genval, Belgium. Continuous manufacture of floor coverings. 1,738,591; Dec. 10.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,739,469; Dec. 10.
 Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,739,470; Dec. 10.
 La Pointe Machine Tool Company. (See Forberg, Albert, assignor.)
 Larkin, Elwood T., assignor to C. A. Cricqui, Buffalo, N. Y. Piston for internal-combustion engines. 1,739,007; Dec. 10.
 Larsen, Einar W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Head for movable riveting machines. 1,739,152; Dec. 10.
 Lavarack, William H. B. (See Deems, E. M., and Lavarack.)
 Lawson, Marlon W. (See Lyon, Robert N., assignor.)
 Laxo, Ed, and N. J. Schaal, Seattle, Wash., assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Auxiliary feed mechanism. 1,739,153; Dec. 10.
 Lea, John M. (See Replogle, J. B., and Lea.)
 Leach, Edgar J., Janesville, Wis. Liquid pump. 1,739,315; Dec. 10.
 Lee, Thomas W. (See Gearhart, Roy E., assignor.)
 Leeson, Stanley R. (See McCarty, Madison P., assignor.)
 Lemaster, Charles A. (See Strader, Earl M., assignor.)
 Lentz, George W., assignor to The Bonnot Company, Canton, Ohio. Sheet stacker. 1,739,319; Dec. 10.
 Leonard, Frederick C., assignor to Leonard-Rooke Co., Providence, R. I. Welding apparatus. 1,738,592; Dec. 10.
 Leonard-Rooke Co. (See Leonard, Frederick C., assignor.)
 Lepsoe, Robert, Trill, British Columbia, Canada. Production of zinc. 1,738,910; Dec. 10.
 Lessing, Hans, Berlin-Charlottenburg, Germany. Fountain pen. 1,738,835; Dec. 10.
 Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,738,778; Dec. 10.
 Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,739,241; Dec. 10.
 Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving mechanism. 1,739,242; Dec. 10.
 Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,739,243; Dec. 10.
 Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Feed mechanism for sewing machines. 1,739,244; Dec. 10.
 Levy, Lucien, Paris, France. Loud-speaker. 1,738,588; Dec. 10.
 Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
 Libbey Glass Manufacturing Company, The. (See Parker, Alvah C., assignor.)
 Lickteig, Albert F., assignor, by mesne assignments, to National Brass Company, Grand Rapids, Mich. Automobile door latch. 1,739,154; Dec. 10.
 Lincoln, Rollo B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric toaster. 1,739,155; Dec. 10.
 Lindahl, Peter, and L. Duncan, Rawlins, Wyo. Internal-combustion engine. 1,739,008; Dec. 10.
 Lindgren, Frank O. (See Anderson, H., and Lindgren.)
 Lindquist, Otto B., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Four-high mill. 1,739,156; Dec. 10.
 Lipman, Gabriel, Chicago, Ill. Life-insurance-policy table-value printing-in system. 1,738,911; Dec. 10.
 Lisher, Seth G., and C. Ratto, Napa, Calif. Mounting for combined wall base and floor coverings. 1,739,077; Dec. 10.
 Ljungkull, Rolf. (See Mitchell, H. L., and Ljungkull.)
 Lloyd, Herbert D., New York, N. Y. Disappearing picture illuminator. 1,739,320; Dec. 10.
 Lo Boves, Michael C., Ridgedale Park, N. J., assignor to United Piano String Company, New York, N. Y. Pipe cleaner. 1,738,836; Dec. 10.
 Lockwood, Marquis H., assignor to C. Errett, New York, N. Y. Collapsible paper cup. 1,738,779; Dec. 10.
 Locomotive Pulverized Fuel Company. (See Caracristi, Virgilus Z., assignor.)
 Lomax, Clarence E., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,739,245; Dec. 10.
 Lombardi, Lamberto, Rome, Italy. Flying machine. 1,739,402; Dec. 10.
 Lorber, Charles, Louisville, Ky. Flag holder. 1,739,009; Dec. 10.
 Lord & Burnham Company. (See Terhune, Edwin W., assignor.)
 Lorenz, C., Aktiengesellschaft. (See Gerth, F., and Schumacher, assignors.)
 Loughhead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Braking apparatus. 1,738,750; Dec. 10.
 Louthan Manufacturing Co. (See Louthan, William B., assignor.)
 Louthan, William B., assignor to The Louthan Manufacturing Co., East Liverpool, Ohio. Fire rack for chinaware. 1,739,037; Dec. 10.

Love, Michael, Pittsburgh, Pa. Dust trap. 1,739,307; Dec. 10.
 Lovering, Everett W. (See Richter, G. A., and Lovering.)
 Low, Frank S., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chrome-green pigment and its manufacture. 1,738,780; Dec. 10.
 Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Automatic thermal signal accelerator for fire-extinguishing systems. 1,738,656; Dec. 10.
 Luchsinger, Bernardo. (See Neveu, Gustavo, assignor.)
 Luedicke, Alex H. (See Kelly, F. W., and Luedicke.)
 Luers, John M., Detroit, Mich. Blade. 1,738,912; Dec. 10.
 Lundberg, Gustave E., Kewanee, Ill. Sectional oil-barrel rack. 1,739,403; Dec. 10.
 Lundell, Frederick C., and C. B. Regan, assignors to The Milton Cork Company, Brooklyn, N. Y. Machine for applying seals to cushion inserts. 1,738,781; Dec. 10.
 Lütolf, Josef, Lucerne, Switzerland. Machine adapted for the washing of dishes and other tableware. 1,739,404; Dec. 10.
 Lützenkirchen, Fritz, Hattingen-Ruhr, Germany. Process of and apparatus for producing pressed railway-car axles and similar forgings. 1,738,593; Dec. 10.
 Lyon, Robert N., assignor of one-half to M. W. Lawson, Coeur d'Alene, Idaho. Trip hook. 1,738,657; Dec. 10.
 Lyons, Arthur E., North Caldwell, N. J. Screen hanger. 1,739,157; Dec. 10.
 Lyth, Cyril J. (See Pike, F. J., and Lyth.)
 MacVicar, John A., London, England, assignor to Sullivan Machinery Company, Chicago, Ill. Drilling in the earth, particularly in coal, shale, slate, and like formations. 1,738,584; Dec. 10.
 Madden, Harry D., Montclair, and J. Kirby, Newark, N. J., assignors to Westinghouse Lamp Company. Method and machine for making plate electrodes. 1,738,658; Dec. 10.
 Magalhães, Frank V. (See Hill, E. E., and Magalhães.)
 Magnavox Company, The. (See Metcalf, Herbert E., assignor.)
 Mahler, Paul, assignor to Alberene Stone Co., New York, N. Y. Hardening alberene stone. 1,738,956; Dec. 10.
 Main, William J., Westport, Conn., assignor to C. Errett, New York, N. Y. Collapsible paper cup. 1,738,782; Dec. 10.
 Majce, Johann, Vienna, Austria. Manufacturing wire coils. 1,739,246; Dec. 10.
 Mall, Ivor O., New Orleans, La. Resilient rail anchorage. 1,739,158; Dec. 10.
 Mallory, Harry C., deceased, by S. R. Mallory administratrix, Bellport, N. Y.; said Harry C. Mallory assignor, by mesne assignments, to American Radiator Company, Chicago, Ill. Expandible-collapsible element. 1,738,913; Dec. 10.
 Mallory, Sue R., administratrix. (See Mallory, Harry C.)
 Malm, Carl J. (See Clarke, H. T., and Malm.)
 Manville-Jencks Company. (See Cook, K. B., and Gervais, assignors.)
 Mapes, Charles M., Rutherford, N. J., and E. Brittan, New York, N. Y.; said Brittan assignor to said Mapes. Swimming pool. 1,739,078; Dec. 10.
 Marble, Edwin H., assignor to Curtis & Marble Machine Company, Worcester, Mass. Mantle-steaming and air-cooling machine. 1,738,837; Dec. 10.
 Marcher, Alfred, Cleveo, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring materials. 1,739,247; Dec. 10.
 Markon Manufacturing Co. Inc. (See Wilhelm, John H., assignor.)
 Marquin, Edward C., and S. J. Callahan, Kansas City, Mo. Ceiling-rod hanger. 1,739,079; Dec. 10.
 Marsh, Rutherford H., Fairview, Pa. Electric washing machine. 1,739,405; Dec. 10.
 Marshall, David O., assignor to Mound City Wood Heel & Mfg. Co., St. Louis, Mo. Shoe heel. 1,738,715; Dec. 10.
 Martin-Copeland Company. (See Jacobson, B. J., and Martin, assignors.)
 Martin, Edward C., assignor to Sheppard & Meyers, Inc., Hanover, Pa. Arch-supporting sole. 1,739,406; Dec. 10.
 Martin, Laurence C. (See Jacobson, B. J., and Martin.)
 Martin, Wallace B., Cleveland Heights, Ohio. Reclaiming railway-car axles. 1,739,248; Dec. 10.
 Maschinenfabrik Klessing A.-G. (See Ruttiman, P., sr., and Holzschelter, assignors.)
 Master Package Corporation, The. (See Hulbert, Edwin F., assignor.)
 Mathieson Alkali Works, The. (See Low, Frank S., assignor.)
 Matlock, Chauncey, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La. Method and apparatus for producing carbon black. 1,738,716; Dec. 10.
 Matlock, Chauncey, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La. Separator apparatus. 1,738,717; Dec. 10.
 Matthews, Harold C., Los Angeles, Calif. 1,738,838; Dec. 10.
 Maude, Aylmer H. (See Hand, C. N., Bartram, and Maude.)
 Maude, Aylmer H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Aldehyde manufacture. 1,738,659; Dec. 10.
 Maxwell, Joseph P., R. C. Bergvall, Wilkinsburg, and J. H. Ashbaugh, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,739,159; Dec. 10.

McBride, Lewis M., Boston, Mass., assignor to Hercules Powder Company. Firing explosives. 1,738,595; Dec. 10.
 McCarty, Madison P., assignor of one-half to S. R. Leeson, Dallas, Tex. Indicator system. 1,739,010; Dec. 10.
 McClatchie, John M., assignor to The Borden Company, New York, N. Y. Mechanism for placing caps on cans. 1,738,783; Dec. 10.
 McClintock, Frank, deceased, Grand Junction, Colo.; M. M. McClintock, administratrix. Dishwashing machine. 1,738,839; Dec. 10.
 McClintock, Merle M., administratrix. (See McClintock, Frank.)
 McCollough, James H., San Jose, Calif. Tractor. 1,738,784; Dec. 10.
 McCord Radiator & Mfg. Co. (See Bailey, Claude B., assignor.)
 McGill, Elizabeth, Wellsville, Kans. Copyholder for typewriters. 1,738,718; Dec. 10.
 McGinley, James M., Fort Worth, assignor of twenty-seven and one-half per cent to W. L. McGinley, San Antonio, and seventy-two and one-half per cent to Tray Service Company, Dallas, Tex. Service tray for soda fountains and the like. 1,738,535; Dec. 10.
 McGinley, W. L., et al. (See McGinley, James M., assignor.)
 McKee, Garnet W., Rockford, Ill. Multistage fuel mixer. 1,739,161; Dec. 10.
 McKee, Neal T., Bronxville, assignor to American Throttle Company, Inc., New York, N. Y. Locomotive. 1,739,160; Dec. 10.
 McKee, Ralph H., and S. P. Burke, New York, assignors of one-half to R. L. Brown, Syracuse, N. Y., and one-half to W. W. Odell, Pittsburgh, Pa. Making higher alcohols. 1,738,785; Dec. 10.
 McKeon, John J., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Treating flint materials. 1,739,162; Dec. 10.
 McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Fuel pump. 1,738,786; Dec. 10.
 McLeod, Warren H., Boulder, Colo. Golf tee. 1,738,596; Dec. 10.
 McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,739,174; Dec. 10.
 Measuregraph Company, The. (See Wheeler, John L., assignor.)
 Medrano, Aurelio M., and G. Chiossone, Buenos Aires, Argentina. Device for flushing water-closet pans. 1,739,408; Dec. 10.
 Mehan, Paul A., assignor to American Dresser Tunnel Kiln, Inc., Cleveland, Ohio. Continuous-tunnel kiln. 1,738,597; Dec. 10.
 Megathlin, Ralph S., Somerville, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel and assembling and attaching the same. 1,738,588; Dec. 10.
 Meharg, Virgil E. (See Weith, A. J., Meharg, and Ahlbeck.)
 Mehler, Ludwig. (See Doerincel, F., and Mehler.)
 Meneghetti, Victor, Los Angeles, Calif. Accordion-strap attachment. 1,739,011; Dec. 10.
 Mengel Company, The. (See Turner, Joseph O., assignor.)
 Menno, Fritz, Weidenau-on-the-Sieg, Germany, assignor to H. F. Hoevel, New York, N. Y. Machine for folding sheet metal. 1,739,249; Dec. 10.
 Menno, Fritz, Weidenau-on-the-Sieg, Germany, assignor to H. F. Hoevel, New York, N. Y. Furnace. 1,739,250; Dec. 10.
 Mertinz, Franz, Vienna, Austria. Die for stamping out blanks, more particularly for leather goods. 1,738,599; Dec. 10.
 Messler, Eugene L., and J. M. Guthrie, Pittsburgh; said Guthrie assignor to J. Thomas, Sharpsville, Pa. Hot top. 1,738,600; Dec. 10.
 Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Photo-electric tube. 1,738,957; Dec. 10.
 Metzger, Merritt B., Alvada, Ohio. Gun cleaner. 1,738,601; Dec. 10.
 Metzger, Richard, Heidelberg, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing cellulose acetate silk. 1,738,660; Dec. 10.
 Meunier, Leon F. (See Hamilton, P. J., and Meunier.)
 Meyer, Arnold W., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Hook rule. 1,739,485; Dec. 10.
 Michaels, Johann M., Baak, Holland. Mowing machine. 1,738,661; Dec. 10.
 Middendorf, Karl H., Kansas City, Mo. Sleeping-car berth. 1,739,321; Dec. 10.
 Middleton, Washington I., Watertown, assignor to Simplex Wire and Cable Company, Boston, Mass. Telephone plug cord. 1,739,012; Dec. 10.
 Miller, George W., Kansas City, Mo. Brake-beam hanger. 1,739,409; Dec. 10.
 Miller, Lewis N., Elyria, Ohio. Journal-bearing protector. 1,739,407; Dec. 10.
 Miller, Max C., Cumberland, R. I. Method and machine for knitting tubular fabric having closed ends. 1,738,787; Dec. 10.
 Mills, Chester B., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Supporting means for gyroscopic compasses. 1,739,251; Dec. 10.

Millsapugh, William H., assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Paper-making method and machine. 1,739,088; Dec. 10.
Milton Cork Company, The. (See Lundell, F. C., and Regan, assignors.)
Miner, Carl S. (See Trickey, J. P., and Miner.)
Miner, W. H., Inc. (See Geiger, William A., assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minich, Verne E. (See Wilhelm, Harold F., assignor.)
Mitchell, Bernard E. (See Morris, J. L., and Mitchell.)
Mitchell, Doren, New York, and H. C. Silent, Larchmont, N. Y., assignors to American Telephone and Telegraph Company. Echo suppressor. 1,738,536; Dec. 10.
Mitchell, Holger L., and R. I. Jungkull, assignors to Harnischfeger Corporation, Milwaukee, Wis. Power shovel. 1,739,175; Dec. 10.
Mitchell, Robert J., assignor to A. G. Spalding & Bros., New York, N. Y. Boxing glove. 1,739,013; Dec. 10.
Mitchell, Thomas W., Indianapolis, Ind. Bath attachment. 1,739,163; Dec. 10.
Mocigamba, Emanuel, Essen, Germany. Gear pump or engine. 1,738,602; Dec. 10.
Modern Office Devices, Inc. (See Glaeser, Ado, assignor.)
Mojonnier Bros. Co. (See Mojonnier, J. J., Phillips, and Clarke, assignors.)
Mojonnier, Julius J., H. R. Phillips, Oak Park, and H. J. Clarke, Chicago, Ill., assignors to Mojonnier Bros. Co. Filling machine. 1,739,252; Dec. 10.
Molloy, Herbert L., and C. Bellis, Manchester, N. H., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Attachment for multicolor-weft-replenishing looms. 1,739,164; Dec. 10.
Monar, Fred B., Washington, D. C. Piezo-electric crystal circuits. 1,739,165; Dec. 10.
Monroe-Louisiana Carbon Company. (See Matlock, Chauncey, assignor.)
Monroe, Verne, Cameron, W. Va. Sheave block and head. 1,739,368; Dec. 10.
Moody, William O., La Grange, and L. J. Brown, Evanston, assignors to E. P. Smith, Springfield, Ill. Brake-hanger support. 1,739,253; Dec. 10.
Moon, Sampson W., Chicago, Ill. Electric safety razor. 1,738,537; Dec. 10.
Moon, Sampson W., Chicago, Ill. Electric vibratory device. 1,738,538; Dec. 10.
Moore, Everett L., Los Angeles, Calif. Faucet. Des. 80,084; Dec. 10.
Moore, Frank W. (See Harty, W. A., and Moore.)
Moore, Frederick W., East Orange, N. J. Pile-faced material and making the same. 1,739,322; Dec. 10.
Moore, Thomas C. (See Coffield, W. M., and Moore.)
Moos, Paul, Zug, Switzerland, assignor to Landis & Gyr A.-G. Induction meter. 1,739,166; Dec. 10.
Morgenroth, Albert. (See Kleinow, W., Morgenroth, Reinhardt, and Bruer.)
Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc. Web-dispensing device. 1,738,721; Dec. 10.
Morrison, George S., assignor to Morrison Incorporated, Pittsburgh, Pa. Ball transmission. 1,738,662; Dec. 10.
Morrison Incorporated. (See Morrison, George S., assignor.)
Morris, George D., and G. Klein, assignors to New Castle Refractories Company, New Castle, Pa. Kiln car. 1,739,178; Dec. 10.
Morris, John L., and B. E. Mitchell, Woodsdale, N. C. Rotating sign-display device. 1,738,840; Dec. 10.
Morse, Clark T., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich. Heating and ventilating apparatus. 1,738,719; Dec. 10.
Morse, Clarence, Cleveland Heights, Ohio. Electric heater. 1,738,663; Dec. 10.
Morton, Eric A. (See Hazeley, E., and Morton.)
Mosel, Joseph H., Lakewood, assignor, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio. Form for concrete road curbing. 1,739,254; Dec. 10.
Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Separation of minerals by flotation. 1,739,369; Dec. 10.
Moss, Frank J., Kansas City, Mo. Compartmental service door. 1,738,539; Dec. 10.
Mott, George T., Pearl River, N. Y. Apparatus for heat exchanging. 1,738,914; Dec. 10.
Moulton, Edgar S., St. Johns Park, Fla. Tire. 1,739,370; Dec. 10.
Mound City Wood Heel & Mfg. Co. (See Marshall, David O., assignor.)
Mowczysk, Stella. (See Przybyszewski, Stanley, assignor.)
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Lining-felling machine. 1,739,080; Dec. 10.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blindstitch sewing machine. 1,739,081; Dec. 10.
Mueller Co. (See Mueller, Philip, assignor.)
Mueller, Henry A., assignor to Aktiebolaget Ferriconcentrat, Stockholm, Sweden. Enriching iron ore, blast-furnace fine dust, burnt pyrite, purple ore, and the like. 1,738,603; Dec. 10.
Mueller, John H. (See Pender, H., and Mueller.)
Mueller, Philip, assignor, by mesne assignments, to Mueller Co., Decatur, Ill. Pipe coupling. 1,738,915; Dec. 10.

Mulcaby, Philip F., and W. C. Coony, New York, N. Y. Automobile theft-preventing device. 1,739,083; Dec. 10.
Muldoon, Bernard F., Mountaineer, N. J., assignor to H. Hyman, Brooklyn, N. Y. Electric-light socket. Des. 80,102; Dec. 10.
Müller, Friedrich, Vienna, Austria. Arrangement for facilitating the starting of internal-combustion engines. 1,739,084; Dec. 10.
Müller, Heinrich, Nuremberg, Germany. Toy. 1,738,604; Dec. 10.
Müller, Paul, Solingen, Germany. Razor-stropping means. 1,739,167; Dec. 10.
Mullinnix, John C. (See Brown, J. R., and Mullinnix.)
Mullvany, Harry A., and H. E. Kennedy, Berkeley, Calif. Sand-blasting machine. 1,738,958; Dec. 10.
Munters, Carl G. (See von Platen, B. C., Munters, and Bäckström.)
Munters, Carl G., Stockholm, and J. G. Tandberg, Lund, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,738,720; Dec. 10.
Murphy, Charles, Littleton, W. Va. Lock nut. 1,739,410; Dec. 10.
Murphy, Stephen B., Philadelphia, Pa. Windshield heater and wiper. 1,739,411; Dec. 10.
Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Multiple-disk synchronizer. 1,738,788; Dec. 10.
Murray, John C., assignor to The Nestle-Le Mur Company, Cleveland, Ohio. Steam curling iron. 1,738,916; Dec. 10.
Murray, Thomas E., Jr. (See Hill, E. E., and Magalhães, assignors.)
Muskogee Iron Works. (See Champion, William L., assignor.)
Mutscheller, Arthur, New York, N. Y. Vacuum-tube discharge device. 1,738,959; Dec. 10.
Mutscheller, Arthur, New York, N. Y. Vacuum discharge device and using the same. 1,738,960; Dec. 10.
Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. Electric machine. 1,738,917; Dec. 10.
Myers, Edward C., Portland, Oreg. Mowing machine. 1,739,323; Dec. 10.
Myers, L. A., Jr., Inc. (See Myers, W. L., and Harrison, assignors.)
Myers, William L., Newark, and G. D. Harrison, Belleville, assignors to L. A. Myers, Jr., Inc., Newark, N. J. Attachment for shoe ornaments. 1,738,605; Dec. 10.
Naamloze Vennootschap Nederlandsche Kunstzijdefabriek. (See Janssen, Hendrik J. J., assignor.)
Napier, George R., assignor, by mesne assignments, to The Quaker Trust Company, Cleveland, Ohio. Cutting and apparatus therefor. 1,738,918; Dec. 10.
National Brass Company. (See Lickteig, Albert F., assignor.)
National Carbon Company. (See Dexter, Wilbur B., assignor.)
National Lock Co. (See Aldeen, Wilhelm G., assignor.)
National Recording Pump Company. (See Hanna, John P., assignor.)
National Seal Company. (See Stiansen, Anton P., assignor.)
National Steel Construction Co. (See Elsinga, Dirk, assignor.)
National Supply Company. (See Schwimmer, Frederick J., assignor.)
Nebel, Abraham L. (See Elias, Max, assignor.)
Neub, Samuel, Milwaukee, Wis. Pocket syringe. 1,738,961; Dec. 10.
Neless, William M., Charleston, Ark. Toothbrush. 1,739,324; Dec. 10.
Nestle-Le Mur Company, The. (See Murray, John C., assignor.)
Neuhans, Karl, assignor to A. Krah, Gleiwitz, Germany. Ingot-heating furnace. 1,738,841; Dec. 10.
Neveu, Gustavo, assignor of forty per cent to B. Luch-singer, Santiago, Chile. Magneto coupling. 1,738,962; Dec. 10.
Nevio, Donald A., assignor to Autodex Co., Waynesboro, Pa. Card-indexing device. 1,739,168; Dec. 10.
Nevin, William L., assignor to John Wanamaker, Philadelphia, Pa. Chair. Des. 80,085; Dec. 10.
Newbold, Harry, London, England. Spectacles or the like. 1,738,606; Dec. 10.
New Castle Refractories Company. (See Morris, G. D., and Klein, assignors.)
Newkirk, Edgar H., Oklahoma City, Okla. Outside fishing tool for use in deep wells. 1,738,789; Dec. 10.
New York Brick Handling Corporation. (See Fuller, Claud E., assignor.)
Nicholas, Robert G., Lincoln, Nebr. Light shield. 1,739,177; Dec. 10.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,739,255; Dec. 10.
Northrup, Joshua K., Ellicottville, N. Y. Shoe last. 1,738,664; Dec. 10.
Norton, Stanley L., Ypsilanti, Mich. Mechanical movement. 1,738,963; Dec. 10.
Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Linkage for fuel pumps. 1,738,790; Dec. 10.
Nystrom, Martin, assignor to The Brunswick-Balke-Coller Company, Chicago, Ill. Combined phonograph and radio receiving set cabinet or similar article. Des. 80,086; Dec. 10.

Nystrom, Martin, assignor to The Brunswick-Balke-Coller Company, Chicago, Ill. Combined phonograph and radio receiving set cabinet or similar article. Des. 80,087; Dec. 10.
Ober, Gale R., assignor to The Ober Mfg. Company, Chagrin Falls, Ohio. Level. 1,738,791; Dec. 10.
Ober Mfg. Company, The. (See Ober, Gale R., assignor.)
Ober, Raymond E., Crosby, Minn. Peat-fuel machine. 1,738,665; Dec. 10.
Oberfell, Herbert F., River Forest, assignor to Automatic Electric Inc., Chicago, Ill. Telephone desk set. 1,738,919; Dec. 10.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,738,722; Dec. 10.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,738,723; Dec. 10.
Odell, William W., et al. (See McKee, R. H., and Burke, assignors.)
Odin, Eugene A., Chicago, Ill. Clamping device. 1,738,822; Dec. 10.
Oliver, Eben F., Jersey City, N. J., assignor to Korretolite Company, Inc., New York, N. Y. Lighting fixture. 1,738,668; Dec. 10.
Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)
Oliver Farm Equipment Company. (See Gemberling, Cameron H., assignor.)
Olson, George W., Muskegon, Mich. Ring-clamping mechanism for milling machines. 1,739,412; Dec. 10.
Olson, Samuel, & Company. (See Olson, Samuel, assignor.)
Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Chicago, Ill. Automatic transfer mechanism for conveyors. Re17,517; Dec. 10.
Ormsby, Erie, assignor to Central Mine Equipment Company, St. Louis, Mo. Blasting cartridge. 1,738,920; Dec. 10.
O'Rourke, John F., New York, N. Y. Door. 1,738,792; Dec. 10.
Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
Otis Elevator Company. (See Brady, Thomas, assignor.)
Ott, John E., assignor to Acme Steel Company, Chicago, Ill. Box-strap seal. 1,738,921; Dec. 10.
Ottow, Henry W., Watertown, S. Dak. Can opener. 1,739,413; Dec. 10.
P. I. V. Chain Gears Limited. (See Abbott, Geoffrey J., assignor.)
Pacific Burt Company. (See Templeton, Robert P., assignor.)
Paine, Arthur P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube-frame-supporting chain for Axminster looms. 1,739,169; Dec. 10.
Paine, Arthur P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Guide for Axminster-tube-frame supports. 1,739,170; Dec. 10.
Paine, Arthur P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for Axminster looms. 1,739,171; Dec. 10.
Paine, Elmer E., Santa Rosa, Calif. Adjustable poster frame. 1,738,793; Dec. 10.
Palmerston, Colin C., Monrovia, Calif. Decorticating machine. 1,738,922; Dec. 10.
Paper and Textile Machinery Company, The. (See Millsapugh, William H., assignor.)
Pardon, Ernest J. (See Fritz, A. H., and Pardon.)
Parker, Albert, Tipton, England. Grit catcher. 1,739,014; Dec. 10.
Parker, Alvah C., Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company, Chuck. 1,739,371; Dec. 10.
Parker, George D., Riverside, Calif. Carded-article strap. 1,739,086; Dec. 10.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Method and apparatus for saturating fibrous articles. 1,738,794; Dec. 10.
Parnet, Arsène, Paris, France. Machine for automatically cutting slate into sheets. 1,739,414; Dec. 10.
Parshall, Harry R., assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,739,178; Dec. 10.
Parsons, Charles A., Newcastle-on-Tyne, England. Surface condenser. 1,739,415; Dec. 10.
Pascale, Pasquale, New York, N. Y., assignor to Dri-Steam Valve Corporation, Valve. 1,739,015; Dec. 10.
Pass, Arthur, Brookside, England. Apparatus for grinding, surfacing, and polishing the curved surfaces of lenses and the like. 1,738,956; Dec. 10.
Patch, Albert C., Topeka, Kans. Wrench. 1,738,607; Dec. 10.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Revolver for regularly moving transducer arms. 1,739,172; Dec. 10.
Peale, Rembrandt, et al., trustees. (See Davis, Kenneth, assignor.)
Peale, Rembrandt, Jr., et al., trustees. (See Davis, Kenneth, assignor.)
Peale, Richard, et al., trustees. (See Davis, Kenneth, assignor.)
Pearson, Thomas, Syracuse, N. Y. Fountain pen. 1,739,325; Dec. 10.
Peller, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,738,923; Dec. 10.

Pender, Harold, and J. H. Mueller, Philadelphia, Pa. Electrical resistance and forming the same. 1,739,256; Dec. 10.
Pennsylvania Textile Mills, Inc. (See Bliva, Lucien, assignor.)
Perkins, Alfred, Birmingham, England. Card and the like for classificatory systems. 1,739,087; Dec. 10.
Perkins, Robert L. (See Moses, F. G., Hess, and Perkins.)
Perrin, George, Detroit, Mich. Roller screen. 1,738,608; Dec. 10.
Perleth, Joseph L., and J. Coven, Dubuque, Iowa. Garment hanger attachment. 1,738,724; Dec. 10.
Perry, Melvin W., Algoma, Wis. Machine for gluing veneer edges. 1,739,088; Dec. 10.
Peschkos, Lorenz, Brooklyn, N. Y. Hinged window. 1,739,257; Dec. 10.
Peters, Samuel I., Tucson, Ariz. Antiskid chain. 1,739,016; Dec. 10.
Petit, George R., Laconia, N. H. Attachment for violins. 1,739,416; Dec. 10.
Petroleum Heat and Power Company. (See Frenier, Albert B., assignor.)
Phillip, Robert A., assignor to Dwight P. Robinson & Company, Inc., New York, N. Y. Regulating device for electrical systems. 1,738,726; Dec. 10.
Phillips, Harley R. (See Mojonnier, J. J., Phillips, and Clarke.)
Pike, Frederic J., Beckenham, and C. J. Lyth, Woolwich, London, assignors to J. Stone & Company Limited, Deptford, England. Apparatus for use in the electrolytic deposition of metal on metal tubes. 1,738,727; Dec. 10.
Pirchio, Pasquale, South Bend, Ind. Air filter. 1,739,372; Dec. 10.
Pitcairn, Harold F. (See Brewer, Robert W. A., assignor.)
Pivonski, Stanley, Colgate, and F. J. Canitz, Jr., Baltimore, Md., assignors to Anchor Post Fence Company, Jersey City, N. J. Fastening wire fabrics to fence or gate posts and the like. 1,738,609; Dec. 10.
Plant, Herman, assignor to L. Plant & Company, Incorporated, New York, N. Y. Lighting fixture. Des. 80,088; Dec. 10.
Plant, L., & Company. (See Plant, Herman, assignor.)
Pneumatic Scale Corporation. (See Cleaves, William S., assignor.)
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Pollock, William J. (See Humphreys, W. H., and Pollock.)
Posselt, Albert J., Salida, Colo. Gold dredge. 1,739,326; Dec. 10.
Postindex Company. (See Attwood, Charles E., assignor.)
Powell, Herbert S., Utica, N. Y. Muffler. 1,739,039; Dec. 10.
Powell, Herbert S., Utica, N. Y. Machine for bending flat metal strips into spirals. 1,739,040; Dec. 10.
Powers, Milton A., New York, N. Y., assignor, by mesne assignments, to The Timken-Detroit Company, Detroit, Mich. Burner for producing heat from liquid fuel. 1,739,089; Dec. 10.
Premier Electric Company. (See Snell, James C., assignor.)
Pringle, Harry C., Hyde Park, Mass. Closure for paste tubes. 1,738,728; Dec. 10.
Proudfit Loose-Leaf Co. (See Graf, Edward F., assignor.)
Przybyszewski, Stanley, assignor to Stella Mowaczyn, Saginaw, Mich. Power take-off. 1,738,924; Dec. 10.
Pulliam, Clarence, Detroit, Mich. Transmission mechanism. 1,739,417; Dec. 10.
Pyrene-Minimax Corporation. (See Schmidt, Karl, assignor.)
Quaker Oats Company, The. (See Trickey, J. P., and Miner, assignors.)
Quin, Frank S., Clarkson, Ontario, Canada. Artificial minnow. 1,739,258; Dec. 10.
R. M. Company. (See Murray, Howard J., assignor.)
Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,738,610; Dec. 10.
Race, Charles N., Caro, Mich. Colorimeter apparatus. 1,739,373; Dec. 10.
Radio Corporation of America. (See Karolus, August, assignor.)
Ragland, Nathan B., Muskogee, Okla. Flow device for oil wells. 1,739,041; Dec. 10.
Railroad Accessories Corporation. (See Deems, Edward M., assignor.)
Railroad Accessories Corporation. (See Deems, E. M., and Lavarack, assignors.)
Rantis, Gust A., Calexico, Calif. Cultivator. 1,739,418; Dec. 10.
Rasmussen, Sverre, New York, N. Y. Aeroplane. 1,738,611; Dec. 10.
Rässler, Robert, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Headlight. 1,739,179; Dec. 10.
Ratto, Charles. (See Lisher, S. G., and Ratto.)
Ray, Loyd W., Wichita, Kans., assignor to The White Castle System, Inc. Wall structure. 1,738,842; Dec. 10.
Raynes, Harold J., and F. J. Denning, assignors to Illinois-Pacific Glass Corporation, San Francisco, Calif. Mold for forming glass vessels. 1,738,964; Dec. 10.
Recht, William, New York, N. Y. Method of and apparatus for making bottle seals. 1,738,612; Dec. 10.
Redinger, Joseph M., Providence, R. I. Cigar lighter. 1,739,259; Dec. 10.

Reece Button Mole Machine Company, The. (See Carlson, Axel F., assignor.)
 Reece Shoe Machinery Company. (See Carlson, Axel F., assignor.)
 Reeves, George G., Shreveport, La. Well-derrick construction. 1,738,667; Dec. 10.
 Regan, Charles B. (See Lundell, F. C., and Regan.)
 Regan Safety Devices Company, The. (See Rodde, Theodore, assignor.)
 Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
 Reid, William L., Lima, Ohio. Locomotive-throttle mechanism. 1,738,668; Dec. 10.
 Reilly, John L., Indianapolis, Ind. Valve grinder. 1,739,419; Dec. 10.
 Reina, Gian B., Legnano, Italy. Variable-speed transmission. 1,738,965; Dec. 10.
 Reinhardt, Friedrich. (See Kleinow, W., Morgenroth, Reinhardt, and Bruer.)
 Reis, Louis C., Duluth, Minn. Snow screen. 1,738,843; Dec. 10.
 Reliance Gauge Column Company. (See Brown, John R., assignor.)
 Reliance Gauge Column Company, The. (See Brown, J. R., and Mullinix, assignors.)
 Remington Arms Company. (See Hamer, Clarence, assignor.)
 Remington Arms Company. (See Willis, S. L., and Woodford, assignors.)
 Remington Typewriter Company. (See Walsoe, Sigurd L., assignor.)
 Replogle, James B., and J. M. Lea, Detroit, Mich., assignors to Deico-Light Company, Dayton, Ohio. System of generating and storing electricity. 1,738,540; Dec. 10.
 Reserve Holding Company. (See Wicks, John, assignor.)
 Retif, Georges, deceased; E. Gaymy, administrator, Saincoins, France. Apparatus for exercising the fingers. 1,739,374; Dec. 10.
 Reuther, John, East Aurora, N. Y. Potato digger. 1,738,795; Dec. 10.
 Reynolds, Arthur W., assignor to The Babcock Manufacturing Company, Leonardsville, N. Y. Cultivator. 1,739,327; Dec. 10.
 Reynolds, William G., Selma, assignor of one-half to E. A. Terrell, Charlotte, N. C. Process and mechanism for the manufacture of roving or yarn. 1,738,796; Dec. 10.
 Rheinische Metallwaren- und Maschinenfabrik. (See Goldenberg, Ben Z., assignor.)
 Ricardo, Harry R., London, England. Cylinder of internal-combustion engines. 1,739,180; Dec. 10.
 Rice, Isaac L., Providence, R. I. Ornament. 1,738,613; Dec. 10.
 Rich, Malcolm N., East Orange, N. J., assignor to Westinghouse Lamp Company. Reducing rare refractory metal oxides. 1,738,669; Dec. 10.
 Richard, Eugene C., Flint, assignor to General Motors Corporation, Detroit, Mich. Heating mechanism for internal-combustion engines. 1,738,797; Dec. 10.
 Richards, Howard N., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combined trolley-feeder clamp. 1,739,090; Dec. 10.
 Richardson, Henry F., Northport, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Well-protection device for elevators. 1,738,729; Dec. 10.
 Richter, George A., and E. W. Lovering, assignors to Brown Company, Berlin, N. H. Printing-ink composition and making same. 1,738,798; Dec. 10.
 Riley Stoker Corporation. (See Craig, Ollison, assignor.)
 Ringle, Robert F., Zellenpole, Pa. Movement-regulating mechanism. 1,739,042; Dec. 10.
 Ritchie, Charles F., and W. A. Gale, Trona, Calif., assignors, by mesne assignments, to American Potash & Chemical Corporation, New York, N. Y. Refining crude borax. 1,739,091; Dec. 10.
 Ritchie, Harry C., Liverpool, England. Reinforced-concrete structure. 1,738,614; Dec. 10.
 Ritter, Curt, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 80,089; Dec. 10.
 Ritter Dental Manufacturing Co. (See Strauchen, David M., assignor.)
 Röber, Constantin F., assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik, J. C. McEller & Co., Dresden, Germany. Transferring means for cigarette counter-rolling machines. 1,738,615; Dec. 10.
 Roberts, John F., Portland, Oreg. Box hook. 1,738,844; Dec. 10.
 Robertson, Oscar L. (See Schur, M. O., and Robertson.)
 Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster weave. 1,739,181; Dec. 10.
 Robinson, Dwight P., & Company. (See Philip, Robert A., assignor.)
 Robinson, Ernest Y., Manchester, England, assignor to Associated Electrical Industries Limited, Vacuum tube. 1,739,420; Dec. 10.
 Rodman, Clarence J., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elimination of impurities in insulating oils. 1,739,092; Dec. 10.
 Roe, Mayo E., assignor to the Colson Company, Elyria, Ohio. Invalid chair. 1,739,260; Dec. 10.
 Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hinge. Des. 80,090; Dec. 10.

Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hinge. Des. 80,091; Dec. 10.
 Roosen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding machine for tabloid newspapers. 1,739,328; Dec. 10.
 Roessler, Georg. (See Frankenburg, W., and Roessler.)
 Roessler & Hasslacher Chemical Company, The. (See Storch, Henry H., assignor.)
 Rohrbach, Adolf, Berlin-Wilmersdorf, Germany, assignor to Rohrbach Patents Corporation, Airplane. 1,738,670; Dec. 10.
 Rohrbach Patents Corporation. (See Rohrbach, Adolf, assignor.)
 Rollman, Michael A., Mount Joy, Pa. Saddle stand. 1,738,845; Dec. 10.
 Root, Charles F., assignor to The Chandler and Price Company, Cleveland, Ohio. Sheet-registering device. 1,738,799; Dec. 10.
 Rosenheim Co. (See Jones, Percival W., assignor.)
 Ross, Edward, Scranton, Pa. Stencil device. 1,739,173; Dec. 10.
 Ross, Isidor B., New York, N. Y. Refrigeration. 1,739,017; Dec. 10.
 Rowart, Eugene, Anvelais, Belgium. Apparatus for grinding, smoothing, and polishing plates of glass, marble, or other similar materials. 1,738,730; Dec. 10.
 Royalty Holding Corporation. (See Hasselbring, John, Jr., assignor.)
 Rubber Service Laboratories Co., The. (See Hand, C. N., Bartram, and Maude, assignors.)
 Rubber Service Laboratories Company, The. (See Maude, Aylmer H., assignor.)
 Ruben Patents Company. (See Ruben, Samuel, assignor.)
 Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Vacuum-tube relay. 1,739,043; Dec. 10.
 Ruben, Samuel, assignor to Ruben Tube Company, New York, N. Y. Treating electron-emission elements. 1,739,044; Dec. 10.
 Ruben Tube Company. (See Ruben, Samuel, assignor.)
 Ruby, Arthur H., assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Gas separator. 1,739,093; Dec. 10.
 Rumpf, John, New Milford, N. J., assignor to The Safety Car Heating & Lighting Company. Lighting fixture. 1,738,671; Dec. 10.
 Russell Manufacturing Company, The. (See Sheldon, Amy, assignor.)
 Rüttiman, Peter, sr., Stehnen, and F. Holzschelter, Zurich, Switzerland, assignors to Maschinenfabrik Kessling A.-G., Leipzig, Germany. Machine for scoring wooden boards. 1,738,966; Dec. 10.
 Ryan, John J., Jr., Chicago, Ill. Steam valve. 1,739,261; Dec. 10.
 Sachs, Joseph, Hartford, Conn. Wire-connecting lug with test contact. 1,739,262; Dec. 10.
 Sadtler, Samuel S., Philadelphia, Pa. Powdered detergent. 1,738,967; Dec. 10.
 Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
 Safety Car Heating & Lighting Company. (See Rumpf, John, assignor.)
 Sagers, George F., Des Moines, Iowa. Rolling window screen. 1,738,925; Dec. 10.
 Saginaw Manufacturing Co. (See Gilbert, Henry J., assignor.)
 Sahara, Kichisaburo, Kapaa, Hawaii. Toy. 1,739,329; Dec. 10.
 St. Regis Paper Company. (See Hartman, Louis H., assignor.)
 St. Regis Paper Company. (See Kronmiller, Carl G., assignor.)
 Saker, Harold H., Cleveland, Ohio. Trussed structure. 1,738,926; Dec. 10.
 Salerni, Marie-Thérèse E. (See Salerni, Piero M., assignor.)
 Salerni, Piero M., Route de Villefrance, Nice, assignor to Marie-Thérèse E. Salerni, Nice, France. Valve for pneumatic tires. 1,738,927; Dec. 10.
 Sancioni, Aurelio, Detroit, Mich. Radiator ornament. 1,738,846; Dec. 10.
 Sargent, Lee W., Red Wing, Minn., assignor to J. B. Brady, Washington, D. C. Vending machine. 1,738,616; Dec. 10.
 Saurman, Victor G., Oakland, Calif. Sewing machine. 1,738,672; Dec. 10.
 Savage, Arthur C., Erie, Pa., assignor to General Electric Company. Electric-train-line coupling. 1,739,421; Dec. 10.
 Savrda, Charles M., Bayshore, assignor to Autoshift Corporation, New York, N. Y. Automatic gear-shifting mechanism. 1,739,471; Dec. 10.
 Sawtell, Richard D., Atlanta, Ga., assignor to J. W. Anderson, New York, N. Y. Workman's time recorder. 1,738,928; Dec. 10.
 Saxton, Lionel D., New York, N. Y. Comb. 1,738,732; Dec. 10.
 Sayers, George, Drexel Hill, Pa. Shelf for house radiators. 1,739,263; Dec. 10.
 Sayre, Charles E., Laurel, Mont. Ground packer. 1,738,731; Dec. 10.
 Schaal, Norbert J. (See Laxo, E., and Schaal.)
 Scharrer, Carl H., Dayton, Ohio. Fishing lure. 1,738,617; Dec. 10.
 Schlecht, Leo. (See Wietzel, R., Schlecht, and Köhler.)

Schleicher, Frank J., University City, Mo. Box. Des. 80,092; Dec. 10.
 Schlote, Guido F., Salt Lake City, Utah. Adjustable-jaw wrench. 1,739,182; Dec. 10.
 Schmidt, Alfred, Weehawken, N. J. Feeder for cup-shaped bodies. 1,739,422; Dec. 10.
 Schmidt, Herman C., Richmond, Va. Draft-regulating system. 1,739,375; Dec. 10.
 Schmidt, Karl, Neuruppin, Germany, assignor, by mesne assignments, to Pyrene-Minimax Corporation. Producing a dry mixture of chemicals suitable for the preparation of fire foam. 1,739,094; Dec. 10.
 Schmidt, Louis A., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Blanket-fastening means for impression cylinders. 1,739,045; Dec. 10.
 Schröter, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Synchronizing arrangement for picture transmission. 1,738,673; Dec. 10.
 Schubert, Paul, Augsburg, Germany. Truck for removing house refuse. 1,739,183; Dec. 10.
 Schumacher, Hans. (See Gerth, F., and Schumacher.)
 Schur, Milton O., and O. L. Robertson, assignors to Brown Company, Berlin, N. H. Electric boiler. 1,738,733; Dec. 10.
 Schwimmer, Fredrick J., assignor to The National Supply Company, Toledo, Ohio. Guard for lubricated surfaces. 1,739,046; Dec. 10.
 Schylander, John F., Chicago, Ill. Soldering apparatus. 1,738,800; Dec. 10.
 Scott-Kidwell Jacket Co. (See Kidwell, Grover C., assignor.)
 Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to Floyd L. Swanberg, Pittsburgh, Pa. Pump. 1,738,734; Dec. 10.
 Scoville, Eugene M., Cincinnati, Ohio, assignor of one-half to F. L. Swanberg, Pittsburgh, Pa. Multifed pump. 1,738,735; Dec. 10.
 Sears, Roebuck and Co. (See Rohmker, John C., assignor.)
 Seibell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Producing accelerators for the vulcanization of rubber. 1,739,486; Dec. 10.
 Secretary of War of the United States of America. (See Campbell, L. H., Jr., and Knox, assignors.)
 Seeger, Edwin W., South Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Motor controller. 1,739,330; Dec. 10.
 Seeley, Fay L., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Shipping block for automobile tires and rims. 1,739,423; Dec. 10.
 Seifert, William V., Denver, Colo. Pump. 1,739,095; Dec. 10.
 Seifert, William V., Denver, Colo. Mud pump. 1,739,096; Dec. 10.
 Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Device for securing electric appliances to conduit boxes. 1,738,968; Dec. 10.
 Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,738,969; Dec. 10.
 Service Manufacturing Company. (See Wilson, G. B., and Eagley, assignors.)
 Sexton Mfg. Company. (See Bowman, Louis G., assignor.)
 Shampay, Pascal J., Chicago, Ill. Carpet-cleaning machine. 1,738,541; Dec. 10.
 Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Alternating-current intermittent-induction-type train control. 1,738,736; Dec. 10.
 Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Intermittent-induction-type train control. 1,738,737; Dec. 10.
 Shearer, Harry T., assignor to Landis Machine Company, Waynesboro, Pa. Chaser and chaser holder for die heads. 1,738,847; Dec. 10.
 Sheldon, Amy, assignor to The Russell Manufacturing Company, Middletown, Conn. Webbing for suspenders, garters, and similar articles. Des. 80,093; Dec. 10.
 Shemits, Reuben B., Brooklyn, and H. F. Wechsler, New York, N. Y. Apparatus and process of detecting and segregating bacteria in a liquid. 1,738,801; Dec. 10.
 Shenton, Francis. (See Zumbro, F. R., and Shenton.)
 Sheppard & Meyers, Inc. (See Martin, Edward C., assignor.)
 Sherwood, William E., Canastota, assignor to Engle Wagon Works, Auburn, N. Y. Rear-end dump box for vehicles. 1,739,376; Dec. 10.
 Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Goggle fitting. 1,738,618; Dec. 10.
 Shipley, Thomas, assignor to York Ice Machinery Corporation, York, Pa. Duplicate head shell and tube condenser. 1,739,018; Dec. 10.
 Shore-Line Builders, Inc. (See Weber, Carl, assignor.)
 Shore, William E., New York, N. Y. Oil burner. 1,739,047; Dec. 10.
 Sidelin, Stephen, Port Carbon, Pa. Snow-removing machine. 1,739,331; Dec. 10.
 Siemens Brothers & Company. (See Christian, David A., assignor.)
 Silent, Harold C. (See Mitchell, D., and Silent.)
 Silver, William S., Havre de Grace, Md. Sealing machine. 1,739,048; Dec. 10.
 Simmons, Berkeley L. (See Simmons, Leo and B. L.)

Simmons, George P., assignor to Horrocks Desk Company, Herkimer, N. Y. Lubricator. 1,739,377; Dec. 10.
 Simmons, Leo and B. L., Washington, D. C. Ventilator. 1,739,082; Dec. 10.
 Simon, Isidore, Chicago, Ill. Shoe. 1,738,929; Dec. 10.
 Simplex Wire and Cable Company. (See Middleton, Washington I., assignor.)
 Simpson, George, Paterson, N. J. Combined color and rock printing machine. 1,739,264; Dec. 10.
 Simpson, Jesse W., Anderson, S. C., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling stop motion for looms. 1,739,184; Dec. 10.
 Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
 Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
 Singer Manufacturing Company, The. (See Gatchell, George S., assignor.)
 Slagle, Everett R., Sayre, Pa., assignor to Standard Vacuum Brake Co., Camden, N. J. Multiple valve. 1,739,378; Dec. 10.
 Slawson, Marion G. (See Bomhoff, Luther J., assignor.)
 Smalley, Robert D. (See Ball, H. V., and Smalley.)
 Smith, A. O., Corporation. (See Crawford, W. E., and Kurtze, assignors.)
 Smith, A. O., Corporation. (See Larsen, Einer W., assignor.)
 Smith, E. Payson. (See Moody, W. O., and Brown, assignors.)
 Smith, Fred I., Jr., Plainfield, N. J. Automatic window safety latch. 1,739,097; Dec. 10.
 Smith, George F., Urbana, Ill. Magnesium perchlorate. 1,738,930; Dec. 10.
 Smith, Harold E., Cleveland Heights, Ohio. Electric connection. 1,739,019; Dec. 10.
 Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,738,674; Dec. 10.
 Smith, John A., Spokane, Wash. Spectacles and goggles. 1,739,049; Dec. 10.
 Smith, Theodore C., Philadelphia, Pa. Connector socket for electric plugs. 1,738,970; Dec. 10.
 Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 80,094; Dec. 10.
 Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 80,096; Dec. 10.
 Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 80,095; Dec. 10.
 Smith, William I., Brooklyn, N. Y. Toy. 1,739,096; Dec. 10.
 Smokador Manufacturing Company. (See Fleming, Robert G., assignor.)
 Snell, Harold T., El Paso, Tex. Reaming machine. 1,739,424; Dec. 10.
 Snell, James C., Oak Park, assignor to Premier Electric Company, Chicago, Ill. Electrical condenser. 1,739,050; Dec. 10.
 Sno-Ko Inc. (See Goldstein, Adolph O., assignor.)
 Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Company, Chicago, Ill. Material-moving apparatus. 1,739,099; Dec. 10.
 Snow, T. W., Construction Company. (See Snow, Barton S., assignor.)
 Snyder, Clifford L. (See Evans, E. S., and Synder.)
 Société des Usines Chimiques Rhone-Poulenc. (See Chagnaud, André, assignor.)
 Soukup, Rudolf, Riverside, Ill. Bracket for draperies. Des. 80,097; Dec. 10.
 Southey, Samuel J., Jr., Euclid Village, assignor to The Continental Products Company, Cleveland, Ohio. Painting machine. 1,738,738; Dec. 10.
 Spalding, A. G., & Bros. (See Mitchell, Robert J., assignor.)
 Spedel Chain Co. (See Carlson, Edwin G., assignor.)
 Sperry Gyroscope Company. (See Mills, Chester B., assignor.)
 Spornborg, William D., et al., executors. (See Adelman, William.)
 Sporer, Friedrich, Nuremberg, Germany. Apparatus for collecting bronze dust from stamping mills. 1,739,267; Dec. 10.
 Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. Re17,518; Dec. 10.
 Standard Vacuum Brake Co. (See Slagle, Everett R., assignor.)
 Stanley, Howard A., Bloomfield, N. J. Mirror structure for purses, hand bags, and the like. 1,738,802; Dec. 10.
 Starr, Adolph, Calumet City, Ill., assignor to The Superheater Company, New York, N. Y. Feed-water heater. 1,738,848; Dec. 10.
 Starr, Frank F., assignor to Deico-Light Company, Dayton, Ohio. Electrical apparatus. 1,738,542; Dec. 10.
 Statney, Ladislav, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding apparatus. 1,738,265; Dec. 10.
 Staud, Edwin G., Minneapolis, Minn. Automatic brake control for power-propelled vehicles. 1,738,675; Dec. 10.
 Stead, George B., Eugene, Oreg. Machine for making tile. 1,739,379; Dec. 10.
 Stefan, John, Detroit, Mich. Lunch kit. 1,739,425; Dec. 10.

Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Zone metering system. 1,738,931; Dec. 10.

Stein, Ernst R., and K. Volland, Kassel, Germany, assignors to The Superheater Company, New York, N. Y. Superheater. 1,738,849; Dec. 10.

Stein, Friedrich, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Device for copying on machine tools. 1,739,268; Dec. 10.

Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,739,100; Dec. 10.

Stensen, Anton P., assignor to National Seal Company, Inc., Brooklyn, N. Y. Bottle-sealing machine. 1,738,803; Dec. 10.

Strimmon, Edwin L., Eggertsville, N. Y., assignor to Essex Rubber Company, Trenton, N. J. Float-ball valve. 1,739,185; Dec. 10.

Stone, J., & Company Limited. (See Pike, F. J., and Lyth, assignors.)

Storch, Henry H., assignor to The Roessler & Hasselacher Chemical Company, New York, N. Y. Process and catalyst for synthesis of methanol. 1,738,971; Dec. 10.

Strachan, Thomas H., assignor to Dayton Scale Company, Dayton, Ohio. Steelyard stirrup for weighing scales. 1,738,932; Dec. 10.

Strachan, Thomas H., assignor to Dayton Scale Company, Dayton, Ohio. Meat chopper. 1,738,933; Dec. 10.

Strader, Earl M., assignor to C. A. Lemaster, Kansas City, Mo. Toner. 1,738,972; Dec. 10.

Strand, Gustav E., Milwaukee, Wis., assignor, by mesne assignments, to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Bottle-capping device. 1,739,101; Dec. 10.

Strauchen, David M., assignor to Ritter Dental Manufacturing Co., Inc., Rochester, N. Y. Treating leather and producing leather articles. 1,738,934; Dec. 10.

Strauss, Joseph B., Chicago, Ill. Pavement. 1,739,102; Dec. 10.

Strauss, Joseph B., Chicago, Ill. Bridge. 1,739,103; Dec. 10.

Strauss, Nicholas, London, England. Folding vehicle. 1,739,269; Dec. 10.

Streich, Frank, assignor to Union Machinery Company, Joliet, Ill. Dough divider. 1,738,935; Dec. 10.

Stripling, Julius A., Fort Dodge, Iowa. Plant protector. 1,739,426; Dec. 10.

Strowbridge, Frederick J., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Container. 1,739,266; Dec. 10.

Strnad, James E., Chicago, Ill. Scissors-sharpening device. 1,738,936; Dec. 10.

Strubelz, Louis J., assignor to Fulton Iron Works Company, St. Louis, Mo. Magnetic separator for cane-crushing machinery. 1,738,739; Dec. 10.

Stuesser, Konstantin, New Britain, Conn. Watch-glass cover for beakers. 1,738,804; Dec. 10.

Sturm, Enoch E., assignor of one-half to O. O. Sturm, Parkersburg, W. Va. Furniture polish. 1,739,332; Dec. 10.

Sturm, Ouy O. (See Sturm, Enoch E., assignor.)

Sturtevant, Mill Company. (See Sturtevant, Thomas J., assignor.)

Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Ring-roll mill. 1,739,487; Dec. 10.

Stutbridge, James H., and T. M. Hack, Johannesburg, Transvaal, South Africa. Making fluid-tight joints around rotating shafts and the like. 1,738,619; Dec. 10.

Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See Gilman, George H., assignor.)

Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)

Sullivan Machinery Company. (See MacVicar, John A., assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Sumrall, James E., Hico, Tex. Churn dasher. 1,739,427; Dec. 10.

Sunday, James J., Detroit, Mich., assignor, by mesne assignments, to Kelch Ventilating Heater Company. Heater for automobiles. 1,738,850; Dec. 10.

Superheater Company, The. (See Griffin, Joseph F., assignor.)

Superheater Company, The. (See Starr, Adolph, assignor.)

Superheater Company, The. (See Stein, E. R., and Volland, assignors.)

Swanberg, Floyd L. (See Scoville, Eugene M., assignor.)

Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Attaching device for outlet boxes. 1,738,973; Dec. 10.

Sweeney, William C. (See Weber, Henry E., assignor.)

Sweeny, Harry K., Evansville, Wyo. Conduit coupling. 1,739,472; Dec. 10.

Swift and Company. (See Hansen, Otto C., assignor.)

Swingle, Charles M., Cleveland, Ohio, assignor to Eva-Mae Swingle and M. E. Swingle. Suspension for vehicles. 1,738,852; Dec. 10.

Swingle, Eva-Mae et al. (See Swingle, Charles M., assignor.)

Swingle, Mildred E., et al. (See Swingle, Charles M., assignor.)

Swoyer, Fred, Silver Grove, Ky. Auxiliary tank for motor vehicles. 1,739,333; Dec. 10.

Symington, T. H., & Son, Inc. (See Drenning, Percy R., assignor.)

Tabulating Machine Company, The. (See Clairis, Louis J., assignor.)

Takahashi, Mitsuye, Honolulu, Hawaii. Cigarette machine. 1,739,334; Dec. 10.

Tandberg, John G. (See Munsters, C. G., and Tandberg.)

Tangeman, Edwin W., Madison, S. Dak. Loading chute. 1,739,335; Dec. 10.

Tauscher, Fritz, Oberlungwitz, Germany. Jack sinker of special shape for knitting frames. 1,738,851; Dec. 10.

Taylor, Donald S., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Engine rear support. 1,738,805; Dec. 10.

Taylor, James W., San Antonio, Tex., assignor to Economy Pump and Oil Tool Company. Oil-well flowing and pumping apparatus. 1,738,974; Dec. 10.

Taylor, Joel M., Hawkinsville, Ga. Agricultural machine. 1,739,020; Dec. 10.

Tecktonius, E. C., Manufacturing Co. (See Tecktonius, Emil S., assignor.)

Tecktonius, Emil S., assignor to E. C. Tecktonius Manufacturing Co., Racine, Wis. Banana stand. Des. 80,095; Dec. 10.

Teletype Corporation. (See Krum, Charles L., and H. L., assignors.)

Templeton, Robert P., Los Angeles, Calif., assignor to Pacific Burt Company, Limited, Toronto, Canada. Manifold check. 1,738,678; Dec. 10.

Terhune, Edwin W., assignor to Lord & Burnham Company, Irvington on the Hudson, N. Y. Sash operating mechanism. 1,738,742; Dec. 10.

Terrell, Edgar A. (See Reynolds, William G., assignor.)

Texas Company, The. (See Claypoole, Walter, assignor.)

Texas Company, The. (See Johnson, Bjornulf, assignor.)

Texas Company, The. (See Strowbridge, Frederick J., assignor.)

Thayer, Arthur S., Lakewood, Ohio. Diaphragm for transmitters and receivers. 1,738,553; Dec. 10.

Thayer, William E., assignor of one-half to R. P. Thornton, San Francisco, Calif. Fender jack. 1,739,488; Dec. 10.

Thies, Urban C., Dayton, Ohio. Fabricated structural part. 1,738,854; Dec. 10.

Thiry, Leon, Huy, Belgium. Process and machine for manufacturing oscillating joints and supports. 1,739,270; Dec. 10.

Thomas, Frank, Indianapolis, Ind. Amusement house. 1,738,752; Dec. 10.

Thomas, James. (See Messler, E. L., and Guthrie, assignors.)

Thomas, Laurence H. (See Kuhn, F., and Thomas.)

Thompson, Osceola C., Mountain Lakes, N. J., assignor to Wirebonds Patents Company. Machine for use in making boxes. 1,738,806; Dec. 10.

Thompson, Thomas, Des Moines, Iowa. Handle-bar brace. 1,738,855; Dec. 10.

Thornton, R. P. (See Thayer, William E., assignor.)

Timken-Detroit Company, The. (See Powers, Milton A., assignor.)

Timm, Otto W., Eagle Rock, Calif. Automatic selective vending machine. 1,739,186; Dec. 10.

Titanium Pigment Co. (See Doerlueck, F., and Mehler, assignors.)

Tolhurst, Machine Works, Inc. (See McKeon, John J., assignor.)

Toulon, Pierre M. G. (See Dunoyer, L. D. J. A., and Toulon.)

Townsend, Frank L., Haddonfield, N. J., assignor to American Expansion Wheel Corporation, Philadelphia, Pa. Expandable wheel. 1,739,271; Dec. 10.

Tracy, Robert W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 1,739,428; Dec. 10.

Travers, John T., assignor to The Travers-Lewis Process Corporation, Columbus, Ohio. Removing odors from gases and air. 1,738,543; Dec. 10.

Travers-Lewis Process Corporation, The. (See Travers, John T., assignor.)

Tray Service Company, et al. (See McGinley, James M., assignor.)

Trickey, John P., Evanston, and C. S. Miner, assignors to The Quaker Oats Company, Chicago, Ill. Disinfectant and antiseptic embodying furane derivatives and making and utilizing same. 1,738,740; Dec. 10.

Trimble, Curtis R., Los Angeles, Calif. Automatic door operating and locking device. 1,739,741; Dec. 10.

Tropp, Herman, New York, N. Y. Rotary internal-combustion engine. 1,739,104; Dec. 10.

Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,739,106; Dec. 10.

Trumpler, William E., Easton, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,739,106; Dec. 10.

Turner, Joseph O., Winston-Salem, N. C., assignor to The Menzel Company, Louisville, Ky. Fastener-setting machine. 1,739,021; Dec. 10.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for weft-replenishing looms. 1,739,187; Dec. 10.

Twetten, Clarence H., assignor of one-third to A. M. Hudson, Round Lake, Minn. Signal control for automobiles. 1,738,975; Dec. 10.

Udy, Marvin J., Niagara Falls, N. Y. Making chromic acid. 1,739,107; Dec. 10.

Uhlig, Richard W., Newark, N. J., assignor to A. Voight Brooklyn, N. Y. Typewriting machine. 1,738,677; Dec. 10.

Umpleby, Fred, Lockwood Huddersfield, England. Catalytic gas generator. 1,738,620; Dec. 10.

Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)

Union Hardware Company. (See Fritz, A. H., and Pardon, assignors.)

Union Machinery Company. (See Streich, Frank, assignor.)

United Piano String Company. (See Lo Boves, Michal C., assignor.)

United Reproducers Corporation. (See Andres, Paul G., assignor.)

United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)

United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Bernhard, assignor.)

United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)

United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)

United Shoe Machinery Corporation. (See Megathlin, Ralph S., assignor.)

United Shoe Machinery Corporation. (See Stewart, William C., assignor.)

United States Envelope Company. (See Cather, Charles E., assignor.)

Universal Oil Products Company. (See Duncan, Paul J., assignor.)

"Universelle" Cigarettemaschinen-Fabrik J. C. Müller & Co. (See Röber, Constantin F., assignor.)

Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Slide-slip weft detector. 1,739,188; Dec. 10.

Unwin, Kenneth J., Shrewsbury, and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Head motion for looms. 1,739,189; Dec. 10.

Unwin, Kenneth J., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Multicolor-weft-replenishing loom. 1,739,190; Dec. 10.

Van Ackere, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Vertical retort oven. 1,738,743; Dec. 10.

Van Brunt, John, and G. P. Jackson, Flushing, N. Y. assignors to Combustion Engineering Corporation. Water-screen connection. 1,738,544; Dec. 10.

Vanderboof, George E., Karval, Colo. Knife-head holder. 1,739,336; Dec. 10.

Varney, William W. (See Dirzuweit, John F., assignor.)

Vaszi, Albert, Milwaukee, Wis. Refractory grate for furnaces. 1,738,856; Dec. 10.

Veele, George W., Cleveland Heights, assignor to The Eaton Axle-Spring Company, Cleveland, Ohio. Bumper. 1,739,272; Dec. 10.

Vivas, Fernando S., Los Angeles, Calif., assignor to International Fireproof Products Corporation, New York, N. Y. Fireproofing cellulose. 1,738,976; Dec. 10.

Voight, Albert. (See Uhlig, Richard W., assignor.)

Volland, Karl. (See Stein, E. R., and Volland.)

Von Canon, James B., and J. F. West End, N. C. Built-in bed lamp. 1,739,337; Dec. 10.

Von Canon, James F. (See Von Canon, James B. and J. F.)

Von Nessen, Walter, New York, N. Y., assignor to Efcollite Corporation, Globe, Des. 80,099; Dec. 10.

Von Platen, Baltzar C., C. G. Munsters, and S. M. Bäckström, Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,738,678; Dec. 10.

Vosburg, Albert L., assignor to Kee-Lox Manufacturing Company, Rochester, N. Y. Typewriter and billing-machine ribbon. 1,739,191; Dec. 10.

Waddell, William, assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve engine. 1,739,273; Dec. 10.

Wadsworth, Frank L. O., Pittsburgh, Pa. Pneumatic tool. 1,739,338; Dec. 10.

Wagner, Henry, assignor of one-half to E. A. Campbell, Falls City, Ore. Gardening tool. 1,739,489; Dec. 10.

Wakefield, Walter H. (See Unwin, K. J., and Wakefield.)

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom to weave terry piles of varying heights. 1,739,192; Dec. 10.

Walker, George, Newton Center, Mass. Direction indicator and recorder for ships, etc. 1,738,807; Dec. 10.

Walker, George, Newton Center, Mass. Direction recorder. 1,738,808; Dec. 10.

Wallace, R., & Sons Mfg. Co. (See Griswold, Darwin G., assignor.)

Wallick, Willis L., Alexandria, Ind. Road drag. 1,739,022; Dec. 10.

Walshoe, Sigurd L., Lyndhurst, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,738,977; Dec. 10.

Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Box. 1,738,744; Dec. 10.

Waller, Philippe, Strasbourg, France. Steam trap. 1,738,809; Dec. 10.

Wanamaker, John, Philadelphia. (See Nevin, William L., assignor.)

Wappler Electric Company. (See Mutscheller, Arthur, assignor.)

Ward, Willis C., Orchard Lake, Mich. Yieldable landing platform for aeroplanes. 1,739,193; Dec. 10.

Washington, Dixon E., 2d, Kansas City, Mo. Automatic safety valve for pneumatic tires. 1,738,621; Dec. 10.

Watson, James, Marinette, Wis. Window screen. 1,739,429; Dec. 10.

Watson & McDaniel Co. (See Jahn, Frederick L., assignor.)

Wattle, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobbie mechanism. 1,739,194; Dec. 10.

Weaver, Gallard E., and E. W. Kelley, assignors to Weaver Manufacturing Company, Springfield, Ill. Jack. 1,738,622; Dec. 10.

Weaver Manufacturing Company. (See Weaver, G. E., and Kelley, assignors.)

Web Engineering Company, The. (See Baker, William E., assignor.)

Weber, Carl, assignor to Shore-Line Builders, Inc., Jacksonville, Fla. Bulkhead-wall construction. 1,739,108; Dec. 10.

Weber, Henry E., assignor, by mesne assignments, to W. C. Swezey, Indianapolis, Ind. Steering-gear stabilizer. 1,738,857; Dec. 10.

Weber, Karl A., Los Angeles, Calif. Windshield wiper. 1,738,545; Dec. 10.

Webster, Walter O., Westmont, N. J. Relief valve. 1,739,450; Dec. 10.

Wechsler, Harry F. (See Shemitz, R. B., and Wechsler.)

Welth, Archie J., Caldwell, V. E. Meharg, Bloomfield, N. J., and H. W. Abilbeck, Riverside, Ill., assignors to Bakelite Corporation, New York, N. Y. Making formaldehyde. 1,738,745; Dec. 10.

Welsbach Traffic Signal Company. (See Keith, William G., assignor.)

Wensley, Roy J., Edgewood, and M. J. Wohlgenuth, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Motor-control system. 1,739,109; Dec. 10.

Westerland, Victor, Portland, Ore. Trap. 1,738,623; Dec. 10.

Western Electric Company. (See Babbitt, Bethel J., assignor.)

Western Electric Company. (See Blount, Harry, assignor.)

Western Electric Company. (See Ford, Ben. K., assignor.)

Western Electric Company. (See Marchev, Alfred, assignor.)

Western Electric Company. (See Stastney, Ladislav, assignor.)

Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Foreman, Robert A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lincoln, Rollo B., assignor.)

Westinghouse Electric and Manufacturing Company. (See Maxwell, J. P., Bergvall, and Ashbaugh, assignors.)

Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)

Westinghouse Electric & Manufacturing Company. (See Richards, Howard N., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rodman, Clarence J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Trumpler, William E., assignor.)

Westinghouse Electric and Manufacturing Company. (See Wensley, R. J., and Wohlgenuth, assignors.)

Westinghouse Lamp Company. (See Madden, H. D., and Kirby, assignors.)

Westinghouse Lamp Company. (See Rich, Malcolm N., assignor.)

Wetmore, Earl P., Concord, Mich., assignor to The Anol-coal Burner Co., Toledo, Ohio. Method and apparatus for burning fuel. 1,739,051; Dec. 10.

Wheaton, Harold J. (See Hilditch, T. P., and Wheaton.)

Wheeler, Beth H. (See Wheeler, Harley T., assignor.)

Wheeler, Harley T., assignor to B. H. Wheeler, Dallas, Tex. Nonreversible pump. 1,739,195; Dec. 10.

Wheeler, Harold E., Chicago, Ill. Printer. 1,739,110; Dec. 10.

Wheeler, John L., assignor to The Measuregraph Company, St. Louis, Mo. Fabric-measuring and cost-computing machine. 1,738,546; Dec. 10.

White Castle System, Inc., The. (See Ray, Loyd W., assignor.)

White, Clarence W., North Bennington, Vt. Child's vehicle. 1,738,858; Dec. 10.

White, Claude E., assignor, by mesne assignments, to Gat Gun Lubricating Corporation, Oakland, Calif. Die for forming washers. 1,738,547; Dec. 10.

White, George S., Los Angeles, Calif. Magnetic keeper cradle. 1,738,859; Dec. 10.

White, George W., Hutchinson, Kans., assignor to J. S. Edwards, Kansas City, Mo. Header-thrashing attachment. 1,739,380; Dec. 10.

White, Howard E., assignor of one-half to H. R. Allen, Holdenville, Okla. Jack tool. 1,738,679; Dec. 10.

White, John H., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Production of finely-divided metallic materials. 1,739,052; Dec. 10.

White, Joseph, Jersey City, N. J. Hospital rolling cot. 1,738,548; Dec. 10.
 White, Julius A., New York, N. Y. Folding foot and leg rest. 1,738,810; Dec. 10.
 Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Dyeing of organic derivatives of cellulose. 1,738,978; Dec. 10.
 Whitten, Frank A., assignor to General Motors Corporation, Detroit, Mich. Hood fastener. 1,738,746; Dec. 10.
 Whitwell, John H., Philadelphia, Pa. Wall paper. Des. 80,100; Dec. 10.
 Wickes, Powers A., assignor to Willamette Iron and Steel Works, Portland, Oreg. Logging unit. 1,738,747; Dec. 10.
 Wicks, John, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,738,624; Dec. 10.
 Wiedemann, Olaf C., Revere, Mass. Printer's quoin. 1,739,111; Dec. 10.
 Wienskowitz, Paul, Berlin, Germany. Fastening means for footwear. 1,739,023; Dec. 10.
 Wietzel, Rudolf, and L. Schlecht, Ludwigshafen-on-the-Rhine, and O. Köhler, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Concentration and distillation of solutions of hydrogen peroxide. 1,738,625; Dec. 10.
 Wigle, Wilson B., Los Angeles, Calif. Hydraulic rotary underreamer. 1,738,860; Dec. 10.
 Wildhaber, Ernest, Brooklyn, N. Y. Axle. 1,739,196; Dec. 10.
 Wilhelm, Harold F., East Orange, N. J., assignor to V. E. Minich, Scarsdale, N. Y. Worm-drive belt-tightening device. 1,739,053; Dec. 10.
 Wilhelm, John H., Rockaway Beach, Long Island, N. Y., assignor to Markon Manufacturing Co. Inc., New York, N. Y. Fitting eye sets in doll heads. 1,739,197; Dec. 10.
 Wilhelm, John H., Rockaway Beach, Long Island, assignor to Markon Manufacturing Co. Inc., New York, N. Y. Eye-frazing machine. 1,739,195; Dec. 10.
 Willamette Iron and Steel Works. (See Wickes, Powers A., assignor.)
 Willauer, William R., Spartanburg, S. C. Apparatus for dispensing ice cream. 1,739,339; Dec. 10.
 Willauer, William R., Spartanburg, S. C. Apparatus for dispensing ice cream. 1,739,431; Dec. 10.
 Willey, Harry D., Oakland, Calif. Retaining appliance for artificial dentures. 1,738,626; Dec. 10.
 Williams, William E., Wilmette, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating copy machine. 1,738,627; Dec. 10.
 Williams, William E., Wilmette, assignor to Ditto, Incorporated, Chicago, Ill. Hectograph duplicating copying machine. 1,738,629; Dec. 10.
 Willis, Stanley L., and W. H. Woodford, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Waterproofing. 1,738,628; Dec. 10.
 Wilson Products, Inc. (See Shindel, Harry F., assignor.)
 Willis-Overland Company, The. (See Edwards, H. J., and Gilbert, assignors.)
 Wilsing, Paul, Duisburg, Germany. Brake gear for electric winches. 1,738,511; Dec. 10.
 Wilson, George B., and K. C. Eagley, assignors to Service Manufacturing Company, Erie, Pa. Lubricating gun. 1,738,861; Dec. 10.
 Wilson, Gleon V., Santa Barbara, Calif. Radiator-cap ornament. Des. 80,101; Dec. 10.
 Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company, Furnace. 1,738,680; Dec. 10.

Winkler, Carl, Bern, Switzerland. Automatic drive for opening and closing mold boxes and metal-controlling organs in machines for casting stereoplates. 1,739,432; Dec. 10.
 Wirebonds Patents Company. (See Thompson, Osceola C., assignor.)
 Wirshing, Ralph J., and H. R. Faas, assignors to General Motors Research Corporation, Detroit, Mich. Corrosion-resisting coating. 1,738,748; Dec. 10.
 Wisbrod, Louis, assignor to Chicago Armor Corporation, Chicago, Ill. Armor. 1,739,112; Dec. 10.
 Wisco Manufacturing Co. (See Bragdon, Herbert J., assignor.)
 Wiswell, Ozro N., Los Angeles, Calif. Pull handle with automatic lock. 1,738,862; Dec. 10.
 Witter, Willis D., Utica, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Fire-extinguisher unit. 1,739,274; Dec. 10.
 Wohlgenuth, Melville J. (See Wensley, R. J., and Wohlgenuth.)
 Wolf Co., The. (See Keefer, Walter L., assignor.)
 Wolff, Saul K., Long Beach, assignor to American Gas Products Corporation, New York, N. Y. Garage heater. 1,739,199; Dec. 10.
 Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Preparing paper rolls for the web change. 1,739,381; Dec. 10.
 Wood, Robert, Garwick, Isle of Man. Automatic apparatus for supplying steam and lubricant to engine cylinders. 1,738,549; Dec. 10.
 Wood Newspaper Machinery Corporation. (See Jordhoy, Hans C., assignor.)
 Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
 Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
 Woodford, Watson H. (See Willis, S. L., and Woodford.)
 Wright, Wilbur L., Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y. Waxlike product and producing the same. 1,738,630; Dec. 10.
 Wygodsky, Leon, Baltimore, Md. Lubricating cylinders of reciprocating engines, compressors, pumps, etc. 1,739,024; Dec. 10.
 York Ice Machinery Corporation. (See Shipley, Thomas, assignor.)
 Young, Helen B., New York, N. Y. Shawl coat. 1,739,433; Dec. 10.
 Young, Walter F., Surrey, England. Cap or stopper for bottles, canisters, jars, and the like. 1,739,434; Dec. 10.
 Younger, E. L., & Sons. (See Younger, Ellard L., assignor.)
 Younger, Ellard L., assignor to E. L. Younger & Sons, Woodland, Calif. Dehydrator. 1,738,550; Dec. 10.
 Zinkernagel, Richard, assignor to International Combustion Engineering Corporation, New York, N. Y. Traveling grate stoker. 1,738,749; Dec. 10.
 Zipperstein, Abraham M., Chicago, Ill., assignor of one-third to I. I. Zipperstein. Drumstick. 1,739,275; Dec. 10.
 Zipperstein, Israel J. (See Zipperstein, Abraham M., assignor.)
 Zsigmondy, Adalbert, Berlin, Germany. Stamping device, especially for stamping pieces out of plates of artificial horn. 1,739,200; Dec. 10.
 Zullo, Samuel, Jersey City, N. J. Telephone-message apparatus. 1,738,551; Dec. 10.
 Zumbro, Frank R., and F. Shenton, assignors to Frick Company, Waynesboro, Pa. Switch. 1,739,435; Dec. 10.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Absorbent material, Production of. T. P. Hilditch and H. J. Wheaton. 1,739,305; Dec. 10.
 Accelerators for the vulcanization of rubber, Producing. L. B. Sebrell. 1,739,486; Dec. 10.
 Accepting and rejecting machine, Automatic. T. W. Bryant. 1,738,634; Dec. 10.
 Accordion-strap attachment. V. Meneghetti. 1,739,011; Dec. 10.
 Acetaldehyde, Manufacture of. C. N. Hand, T. W. Bartram, and A. H. Maude. 1,738,649; Dec. 10.
 Acid, Making chromic. M. J. Udy. 1,739,107; Dec. 10.
 Acoustic-control wall. R. W. James. 1,738,654; Dec. 10.
 Aeroplane. S. Rasmussen. 1,738,611; Dec. 10.
 Aeroplane of duck-type construction. H. Focke. 1,738,568; Dec. 10.
 Agricultural machine. J. M. Taylor. 1,739,020; Dec. 10.
 Air moistener. E. H. Johnson. 1,739,073; Dec. 10.
 Airplane. A. Rohrbach. 1,738,670; Dec. 10.
 Alcohol, Manufacture of methyl. H. Dreyfus. 1,738,989; Dec. 10.
 Alcohols, Making higher. R. H. McKee and S. P. Burke. 1,738,785; Dec. 10.
 Aldehyde manufacture. A. H. Maude. 1,738,659; Dec. 10.
 Ammonia process, Synthetic. J. G. Dely. 1,739,217; Dec. 10.
 Ampul. A. A. Brown. 1,739,288; Dec. 10.
 Amusement house. F. Thomas. 1,738,752; Dec. 10.
 Anchor, Rail. C. Konold. 1,739,004; Dec. 10.
 Anchor raising and lowering means. W. A. Hausenfluck. 1,739,359; Dec. 10.
 Antioxidant or age resistor. A. M. Clifford. 1,739,480; Dec. 10.
 Aqueous dispersions and making same. L. Kirschbraun. 1,738,776; Dec. 10.
 Arc welding. E. S. Goodspeed. 1,738,573; Dec. 10.
 Armor. L. Wisbrod. 1,739,112; Dec. 10.
 Article strap, Carded. G. D. Parker. 1,739,085; Dec. 10.
 Automobile traction device. E. K. Baker. 1,738,682; Dec. 10.
 Axle. E. Wildhaber. 1,739,196; Dec. 10.
 Axle, Steering. W. M. Jones, Jr. 1,738,583; Dec. 10.
 Axles and similar forgings, Process of and apparatus for producing pressed railway-car. F. Lützenkirchen. 1,738,593; Dec. 10.
 Axles, Reclaiming car. J. R. Blakeslee. 1,739,119; Dec. 10.
 Axles, Reclaiming railway-car. W. B. Martin. 1,739,248; Dec. 10.
 Axminster weave. W. W. Robertson. 1,739,181; Dec. 10.
 Bacteria in liquids, Apparatus for and process of detecting and segregating. R. B. Shemitz and H. F. Wechsler. 1,738,801; Dec. 10.
 Baffle or wall. J. H. Hunman. 1,738,774; Dec. 10.
 Bag conveyor. C. G. Kronmiller. 1,739,400; Dec. 10.
 Balancing machine. W. E. Trumpler. 1,739,105; Dec. 10.
 Balancing machine. W. E. Trumpler. 1,739,106; Dec. 10.
 Banjo head. W. L. Lange. 1,739,006; Dec. 10.
 Banana stand. E. S. Tecktonius. Des. 80,098; Dec. 10.
 Bar. See—
 Bumper bar.
 Barrel rack, Sectional oil-. G. E. Lundberg. 1,739,403; Dec. 10.
 Bath attachment. T. W. Mitchell. 1,739,163; Dec. 10.
 Beam hanger, Brake. G. W. Miller. 1,739,409; Dec. 10.
 Bearing. A. Kingsbury. 1,739,362; Dec. 10.
 Bearing, Antifriction. A. T. Brown. 1,738,984; Dec. 10.
 Bearing, Antifriction. J. F. O'Connor. 1,738,722; Dec. 10.
 Bearing, Axle. W. L. Champion. 1,739,439; Dec. 10.
 Bearing protector, Journal. L. N. Miller. 1,739,407; Dec. 10.
 Belt-tightening device, Worm-drive. H. F. Wilhelm. 1,739,053; Dec. 10.
 Bin-gate-actuating device, Power-driven. A. J. Boynton. 1,738,939; Dec. 10.
 Binder, Loose-leaf. J. Kahn. 1,738,585; Dec. 10.
 Bit. See—
 Disk bit.
 Bituminous composition and making same. L. Kirachbraun. 1,738,906; Dec. 10.
 Blade. J. M. Luers. 1,738,912; Dec. 10.
 Blanket-fastening means for impression cylinders. L. A. Schmidt. 1,739,045; Dec. 10.
 Blast-furnace tuyère. E. H. Holzworth. 1,738,901; Dec. 10.
 Board. See—
 Game board.
 Board and cover, Combination bread. W. H. Dossey. 1,739,444; Dec. 10.
 Boat. W. Adelmann. 1,738,979; Dec. 10.

Bobbin for weft-replenishing looms. R. G. Turner. 1,739,187; Dec. 10.
 Bobbin release for weft-replenishing mechanism. A. J. Chevrete. 1,739,209; Dec. 10.
 Boiler. See—
 Electric boiler. Steam boiler.
 Flash boiler.
 Boiler brace. J. G. Blunt. 1,738,982; Dec. 10.
 Bolster with self-equalizing side bearings. P. R. Drenning. 1,739,389; Dec. 10.
 Bolt-finishing machine. H. Crehan and W. A. Crehan. 1,738,642; Dec. 10.
 Book, Manifolding. H. P. Brown. 1,738,633; Dec. 10.
 Boom and bucket for concrete pavers. C. E. Foote. 1,739,392; Dec. 10.
 Bottle cap. S. J. Blackwell. 1,739,348; Dec. 10.
 Bottle-capping device. G. E. Strandt. 1,739,101; Dec. 10.
 Bottle for vending oil, Refillable. F. D. Gatchell. 1,739,357; Dec. 10.
 Bottle opener. W. E. Harrison. 1,739,457; Dec. 10.
 Bottle stopper. R. H. Harmon. 1,739,393; Dec. 10.
 Box. See—
 Switch box.
 Box. F. J. Schleicher. Des. 80,092; Dec. 10.
 Box. H. B. Walter. 1,738,744; Dec. 10.
 Box hook. J. F. Roberts. 1,738,844; Dec. 10.
 Box or the like, Paper. S. Bergstein. 1,738,815; Dec. 10.
 Box-strap seal. J. E. Ott. 1,738,921; Dec. 10.
 Brace. See—
 Boiler brace. Handle-bar brace.
 Bracket. See—
 Retaining-valve bracket.
 Bracket for draperies. R. Soukup. Des. 80,097; Dec. 10.
 Brake. See—
 Front-wheel brake.
 Brake. L. Andrzejewski. 1,738,980; Dec. 10.
 Brake control for power-propelled vehicles, Automatic. E. G. Staude. 1,738,675; Dec. 10.
 Brake for railway cars, Foot. O. W. Lancaster. 1,739,365; Dec. 10.
 Brake rod. W. S. Adams. 1,739,341; Dec. 10.
 Braking apparatus. M. Loughhead. 1,738,750; Dec. 10.
 Bridge. J. B. Strauss. 1,739,103; Dec. 10.
 Bronze dust from stamping mills, Apparatus for collecting. P. Sporer. 1,739,267; Dec. 10.
 Brooch. A. Forberg. 1,739,220; Dec. 10.
 Brush attachment, Shaving. W. E. Coddio. 1,739,211; Dec. 10.
 Buckle, Belt. F. M. Hale. 1,738,576; Dec. 10.
 Buckle, Belt. W. C. Henry. 1,738,900; Dec. 10.
 Buckle, Belt. C. Ritter. Des. 80,089; Dec. 10.
 Bumper. H. S. Jandus and F. H. Goodrich. 1,739,235; Dec. 10.
 Bumper. G. W. Veale. 1,739,272; Dec. 10.
 Bumper, Automobile. C. H. Kauffung. 1,739,074; Dec. 10.
 Bumper bar. A. M. Duncan. 1,739,218; Dec. 10.
 Burner. See—
 Oil burner.
 Burner for producing heat from liquid fuel. M. A. Powers. 1,739,089; Dec. 10.
 Burning fuel, Method and apparatus for. E. P. Wetmore. 1,739,051; Dec. 10.
 Burning liquid fuel in furnaces for heating buildings. A. B. Frenier. 1,738,881; Dec. 10.
 Calk web, Safety. M. I. Karn. 1,739,237; Dec. 10.
 Camera. H. C. Matthews. 1,738,838; Dec. 10.
 Cameras, Winding means for motion-picture. L. Azarraga. 1,739,113; Dec. 10.
 Cap, Adjustable. J. Carlson. 1,738,638; Dec. 10.
 Cap or stopper for bottles, canisters, jars, and the like. W. F. Young. 1,739,434; Dec. 10.
 Cap, Quick-detachable dust. A. E. Bronson. 1,739,287; Dec. 10.
 Caps on cans, Mechanism for placing. J. M. McClatchie. 1,738,783; Dec. 10.
 Caponizing instrument. A. G. Ioerger. 1,739,146; Dec. 10.
 Car berth, Sleeping. K. H. Middendorf. 1,739,321; Dec. 10.
 Car construction. W. A. Geiger. 1,739,223; Dec. 10.
 Car construction. S. B. Haseltine. 1,738,703; Dec. 10.
 Car construction. S. B. Haseltine. 1,739,229; Dec. 10.
 Car, Kila. G. D. Morris and G. Klein. 1,739,176; Dec. 10.
 Carbon black, Method and apparatus for producing. C. Matlock. 1,738,716; Dec. 10.
 Carburetor for internal-combustion engines. L. Jensen. 1,739,396; Dec. 10.
 Card and the like for classificatory system. A. Perkins. 1,739,087; Dec. 10.

Card-deckling machine. W. H. Gibson. 1,739,300; Dec. 10.
 Cartridge, Blasting. E. Ormsby. 1,738,920; Dec. 10.
 Case. See—
 Key case.
 Casing for an ice-shaving machine. A. O. Goldstein. Des. 80,078; Dec. 10.
 Catalyst for synthesis of methanol. H. H. Storch. 1,738,971; Dec. 10.
 Cellular fabric. G. B. Hinton. 1,739,460; Dec. 10.
 Cellulose esters, Making unsaturated acyl. H. T. Clarke and C. J. Malm. 1,739,210; Dec. 10.
 Cement, Manufacture of. A. Baubère and G. Arnou. 1,739,383; Dec. 10.
 Chain, Antiskid. S. I. Peters. 1,739,016; Dec. 10.
 Chain, Key. E. F. Craft. Des. 80,074; Dec. 10.
 Chair. See—
 Child's chair. Invalid chair.
 Chair. C. P. Edwards. Des. 80,076; Dec. 10.
 Chair. W. L. Nevlin. Des. 80,085; Dec. 10.
 Chair and couch. J. Kronhelm. 1,739,147; Dec. 10.
 Charge-forming device. O. W. Greene. 1,738,823; Dec. 10.
 Chaser and chaser holder for die heads. H. T. Shearer. 1,738,847; Dec. 10.
 Chemical reactions, Process and apparatus for regulating. K. C. D. Hickman. 1,739,230; Dec. 10.
 Child's chair, Combination. G. A. Lang. 1,739,366; Dec. 10.
 Chopper. See—
 Meat chopper.
 Chuck. A. C. Parker. 1,739,371; Dec. 10.
 Chute, Loading. E. W. Tangeman. 1,739,335; Dec. 10.
 Cigar and cigarette extinguisher, Combined. C. H. Corrigan. 1,738,693; Dec. 10.
 Cigarette counter-rolling machine, Transferring means for. C. F. Röber. 1,738,615; Dec. 10.
 Cigarette machine. M. Takahashi. 1,739,334; Dec. 10.
 Cinematographs with continuously-moving films, Correcting device for. V. Continsouza and M. B. Combes. 1,739,442; Dec. 10.
 Circuit arrangement for the operation of photo-electric cells. A. Karolus. 1,739,005; Dec. 10.
 Circuit closer, Float-operated. J. R. Brown. 1,738,688; Dec. 10.
 Circuit means, Holding. F. Hedley and J. S. Doyle. 1,738,997; Dec. 10.
 Circuits, Piezo-electric crystal. F. B. Monar. 1,739,165; Dec. 10.
 Clamp. See—
 Machine clamp. Resilient clamp.
 Clamping device. E. A. Odin. 1,738,822; Dec. 10.
 Clamping mechanism for milling machines, Rings. G. W. Olson. 1,739,412; Dec. 10.
 Clasp for wrist watches, Bracelet. J. J. Felsenfeld. 1,738,767; Dec. 10.
 Cleaner. See—
 Gun cleaner. Pipe cleaner.
 Cleaning device. P. Grayson. 1,738,993; Dec. 10.
 Cleaning machine, Carpet. P. J. Shampay. 1,738,541; Dec. 10.
 Clip. See—
 Tenter clip.
 Closure for paste tubes. H. C. Pringle. 1,738,728; Dec. 10.
 Closure, Tube. G. Hawkins. 1,739,303; Dec. 10.
 Cloth expander. H. Hadwin. 1,738,700; Dec. 10.
 Clothes rack. E. J. Bloom. 1,738,516; Dec. 10.
 Clutch. W. T. Eaton. 1,739,399; Dec. 10.
 Clutch, Friction. O. C. Kave. 1,739,399; Dec. 10.
 Clutch mechanism and changing of speed. L. Durán y Daspenas. 1,739,216; Dec. 10.
 Coat, Shawl. H. B. Young. 1,739,433; Dec. 10.
 Conting metal articles, Method of and apparatus for. D. G. Griswold. 1,739,452; Dec. 10.
 Colorimeter apparatus. C. N. Race. 1,739,373; Dec. 10.
 Comb. L. D. Saxton. 1,738,732; Dec. 10.
 Combustion apparatus. R. A. Foresman. 1,739,133; Dec. 10.
 Compressor outfit, Portable. F. D. Holdsworth. 1,738,650; Dec. 10.
 Computing machine. S. L. Walcoe. 1,738,977; Dec. 10.
 Concrete floors or the like, Method of and apparatus for forming. J. W. and H. Holdsworth. 1,739,231; Dec. 10.
 Concrete structure, Reinforced. H. C. Ritchie. 1,738,614; Dec. 10.
 Condenser, Duplicate head shell and tube. T. Shipley. 1,739,018; Dec. 10.
 Condenser, Electrical. J. C. Snell. 1,739,050; Dec. 10.
 Conduit coupling. H. K. Sweney. 1,739,472; Dec. 10.
 Conduit fitting. H. A. Selah. 1,738,969; Dec. 10.
 Confection and producing same, Frozen. F. W. Epperson. 1,738,879; Dec. 10.
 Connection device, Multiple. H. B. Jones. 1,738,711; Dec. 10.
 Container. F. W. Gibson. 1,738,821; Dec. 10.
 Container. E. F. Hulbert. 1,738,951-2; Dec. 10.
 Container. F. J. Strowbridge. 1,739,266; Dec. 10.
 Continuous-tunnel kiln. P. A. Meehan. 1,738,597; Dec. 10.
 Control, Fluid-pressure. W. E. Baker. 1,739,114; Dec. 10.
 Control mechanism for liquid-measuring apparatus. C. F. Ball. 1,739,477; Dec. 10.
 Conveyor hanger, Lubricating. J. O. Bailey. 1,739,345; Dec. 10.
 Conveyers, Automatic transfer mechanism for. S. Olson. 1,739,517; Dec. 10.

Conveyers, Forming spiral. O. N. Gredell. 1,738,994; Dec. 10.
 Cooker, Egg. F. Connolly. 1,739,002; Dec. 10.
 Cooling device, Centrifugal. J. Karmazin. 1,739,314; Dec. 10.
 Copying machine, Hectograph duplicating. W. E. Williams. 1,738,629; Dec. 10.
 Copying on machine tools, Device for. F. Stein. 1,739,268; Dec. 10.
 Cord, Telephone-plug. W. I. Middleton. 1,739,012; Dec. 10.
 Corrosion-resisting coating. R. J. Wirshing and H. R. Faas. 1,738,748; Dec. 10.
 Cot, Hospital rolling. J. White. 1,738,548; Dec. 10.
 Counter cut-out. L. J. Clairis. 1,738,816; Dec. 10.
 Counter, Blasted-running-time. R. W. Bumstead. 1,739,058; Dec. 10.
 Coupling. See—
 Conduit coupling. Magnetic coupling.
 Driving coupling. Pipe coupling.
 Hose coupling. Train-line coupling.
 Cover and attachment, Switch-box. E. E. Hill and F. V. Magalhães. 1,739,142; Dec. 10.
 Cover, Container. J. O. Grady. 1,738,893; Dec. 10.
 Cover for curb boxes and the like. V. E. Beagle. 1,738,556; Dec. 10.
 Cover for dishwashers and the like, Swinging. F. G. Brotz. 1,739,121; Dec. 10.
 Covers for beakers, Watch-glass. K. Stuesser. 1,738,804; Dec. 10.
 Cross-aisle light. J. B. Kausal. 1,738,712; Dec. 10.
 Cultivator. G. A. Raptis. 1,739,418; Dec. 10.
 Cultivator. A. W. Reynolds. 1,739,327; Dec. 10.
 Cup. See—
 Paper cup. Whistle cup.
 Teat cup.
 Curling iron, Steam. J. C. Murray. 1,738,916; Dec. 10.
 Current measuring and indicating means, Electric. M. J. Huggins. 1,738,651; Dec. 10.
 Curtain ring, Shower. L. and M. Auster. 1,739,382; Dec. 10.
 Cutter for paper-bag tubes. L. H. Hartman. 1,739,394; Dec. 10.
 Cutting and apparatus therefor. G. R. Napier. 1,738,918; Dec. 10.
 Cylinder of internal-combustion engines. H. R. Ricardo. 1,739,180; Dec. 10.
 Cylinders of reciprocating engines, compressors, pumps, etc., Lubricating. L. Wygodsky. 1,739,024; Dec. 10.
 Dasher, Churn. J. E. Sumrall. 1,739,427; Dec. 10.
 Decorating machine. C. C. Palmerston. 1,738,922; Dec. 10.
 Dehydrator. E. L. Younger. 1,738,550; Dec. 10.
 Delivery system, Mail. L. Gulbransen. 1,738,894; Dec. 10.
 Dentures, Retaining appliance for artificial. H. D. Willey. 1,738,626; Dec. 10.
 Dephlegmation, Apparatus for. P. J. Duncan. 1,738,760; Dec. 10.
 Derrick construction, Well. G. G. Reeves. 1,738,667; Dec. 10.
 Desk, Typewriter. L. T. Herrmann. 1,739,070; Dec. 10.
 Detector. See—
 Weft detector.
 Detergent, Powdered. S. S. Sadtler. 1,738,967; Dec. 10.
 Diagnostic instrument. H. L. De Zeng. 1,739,027; Dec. 10.
 Diaphragm for transmitters and receivers. A. S. Thayer. 1,738,853; Dec. 10.
 Die for forming washers. C. E. White. 1,738,547; Dec. 10.
 Die for stamping out blanks, more particularly for leather goods. E. Mertins. 1,738,599; Dec. 10.
 Digger. See—
 Potato digger.
 Digging machine, Trench. R. L. Brown. 1,739,122; Dec. 10.
 Direction indicator and recorder for ships, etc. G. Walker. 1,738,807; Dec. 10.
 Direction recorder. G. Walker. 1,738,808; Dec. 10.
 Dish-removing device, Hot. L. J. Jakubowski. 1,739,033; Dec. 10.
 Dishwashing machine. F. McClintock. 1,738,839; Dec. 10.
 Disinfectant and antiseptic embodying furane derivatives and making and utilizing the same. J. P. Trickey and C. S. Miner. 1,738,740; Dec. 10.
 Disintegrating and conveying machine. K. Davis. 1,739,215; Dec. 10.
 Disk bit, Rotary. V. J. Kubin and P. Funderburk. 1,739,522; Dec. 10.
 Disk synchronizer, Multiple. H. J. Murray. 1,738,788; Dec. 10.
 Dispensing ice cream, Apparatus for. W. R. Willauer. 1,739,339; Dec. 10.
 Dispensing ice cream, Apparatus for. W. R. Willauer. 1,739,431; Dec. 10.
 Display device. S. M. Lafferty and H. J. Burgwin. 1,739,148; Dec. 10.
 Display rack. J. V. Cizek. 1,738,869; Dec. 10.
 Distributing device for liquids. H. Boutillon. 1,739,437; Dec. 10.
 Door. J. F. O'Rourke. 1,738,792; Dec. 10.
 Door, Compartmental service. F. J. Moss. 1,738,539; Dec. 10.

Door-control system, Elevator. T. Brady. 1,738,686; Dec. 10.
 Door-operating mechanism. S. B. Haseltine. 1,738,702; Dec. 10.
 Dough divider. F. Strelch. 1,738,935; Dec. 10.
 Draft-regulating system. H. C. Schmidt. 1,739,375; Dec. 10.
 Drag, Road. W. L. Wallick. 1,739,022; Dec. 10.
 Dredge, Gold. A. J. Posselt. 1,739,326; Dec. 10.
 Drier. See—
 Rotary drier. Steam fan drier.
 Drill. See—
 Rock drill.
 Drilling in the earth, particularly in coal, shale, slate, and like formations. J. A. Macvicar. 1,738,594; Dec. 10.
 Drilling mechanism, Rock. E. G. Gartin. 1,739,356; Dec. 10.
 Drills, Liquid-feeding device for rock. C. C. Hansen. 1,739,141; Dec. 10.
 Drills, Water tube for rock. L. C. Bayles. 1,739,117; Dec. 10.
 Drinking fountain, Poultry. J. L. Chesnutt. 1,739,290; Dec. 10.
 Drive for opening and closing mold boxes and metal-controlling organs in machines for casting stereoplasts, Automatic. C. Winkler. 1,739,432; Dec. 10.
 Driving coupling. J. Buchli. 1,738,635; Dec. 10.
 Driving device for miniature golf balls. H. J. Klutho. 1,739,407; Dec. 10.
 Driving mechanism. B. T. Leveque. 1,739,242; Dec. 10.
 Drumstick. A. M. Zipperstein. 1,739,275; Dec. 10.
 Drying machinery, Paper. W. E. Beadle. 1,738,520; Dec. 10.
 Dump box for vehicles, Rear-end. W. E. Sherwood. 1,739,376; Dec. 10.
 Duplicating copy machine. W. E. Williams. 1,738,627; Dec. 10.
 Dust trap. M. Love. 1,739,367; Dec. 10.
 Dye and preparing the same, Disazo. E. F. Hitch, H. Jordan, and A. O. Bradley. 1,739,031-2; Dec. 10.
 Dye stable pulverized hair. P. Langenkamp. 1,738,590; Dec. 10.
 Dyeing cellulose acetate silk. R. Metzger. 1,738,660; Dec. 10.
 Dyeing of organic derivatives of cellulose. W. Whitehead. 1,738,978; Dec. 10.
 Echo suppressor. D. Mitchell and H. C. Silent. 1,738,536; Dec. 10.
 Ejecting ice cream and the like from containers, Apparatus for. W. J. Baynes. 1,738,814; Dec. 10.
 Electric appliances to conduit boxes, Device for securing. H. A. Selah. 1,738,968; Dec. 10.
 Electric boiler. M. O. Schur and O. L. Robertson. 1,738,733; Dec. 10.
 Electric connection. H. E. Smith. 1,739,019; Dec. 10.
 Electric flasher. W. G. Keith. 1,738,713-4; Dec. 10.
 Electric furnace. T. F. Bally. 1,739,344; Dec. 10.
 Electric heater. S. Morse. 1,738,663; Dec. 10.
 Electric-light bulb, Antitheft. S. F. Bashara and J. W. Cain. 1,738,683; Dec. 10.
 Electric machine. A. Mutscheller. 1,738,917; Dec. 10.
 Electric machine, Commutator dynamo. H. Dreghorn. 1,739,445; Dec. 10.
 Electric resistance welding of pipe. W. E. Crawford and R. C. F. Kurtze. 1,739,063; Dec. 10.
 Electric tube, Photo. H. E. Metcalf. 1,738,957; Dec. 10.
 Electric vibratory device. S. W. Moon. 1,738,538; Dec. 10.
 Electrical apparatus. F. F. Starr. 1,738,542; Dec. 10.
 Electrical resistance and forming the same. H. Pender and J. H. Mueller. 1,739,256; Dec. 10.
 Electricity for motor vehicles, Conducting. M. H. Goldstein. 1,738,889; Dec. 10.
 Electrodes, Method and machine for making plate. H. D. Madden and J. Kirby. 1,738,658; Dec. 10.
 Electro magnet. R. R. Dunlop. 1,738,528; Dec. 10.
 Electrolating apparatus. W. E. Belke. 1,738,515; Dec. 10.
 Elevator. D. L. Driscoll. 1,738,820; Dec. 10.
 Elevators, Well protection device for. H. F. Richardson. 1,738,729; Dec. 10.
 Elimination of impurities in insulating oils. C. J. Rodman. 1,739,092; Dec. 10.
 End cap for tubular packages. B. Cushing. 1,739,291; Dec. 10.
 Engine. See—
 Internal-combustion engine. Sleeve-valve engine.
 Engine balancer. H. J. Edwards and A. B. Gilbert. 1,738,876-7; Dec. 10.
 Engines, Fuel-supply means for. O. C. Kreiss. 1,739,317; Dec. 10.
 Envelope, Two-compartment. C. E. Cathier. 1,738,562; Dec. 10.
 Ether-alcohol ester of fatty acids. J. M. Kessler and O. P. Helfrich. 1,739,315; Dec. 10.
 Exercising device. V. Dattilo. 1,738,987; Dec. 10.
 Exercising the fingers, Apparatus for. G. Retif. 1,739,374; Dec. 10.
 Exercising the ocular muscles and for fusion framing, Apparatus for. J. R. Howard. 1,738,708; Dec. 10.
 Expandible-collapsible element. H. C. Mallory. 1,738,913; Dec. 10.
 Expandible wheel. F. L. Townsend. 1,739,271; Dec. 10.
 Extension device. E. G. Carlson. 1,738,561; Dec. 10.

Extension device. P. W. Jones. 1,739,464; Dec. 10.
 Eye-frazing machine. J. H. Wilhelm. 1,739,198; Dec. 10.
 Eye sets in doll heads, Fitting. J. H. Wilhelm. 1,739,197; Dec. 10.
 Fabric. See—
 Cellular fabric. Gas-cell fabric.
 Fastener, Hood. F. A. Whitten. 1,738,746; Dec. 10.
 Fastener-setting machine. J. O. Turner. 1,739,021; Dec. 10.
 Fastener, Wrist-watch. H. A. Heugas. 1,738,570; Dec. 10.
 Fastening-inserting machine. J. Gouldbourn. 1,738,574; Dec. 10.
 Fastening means for footwear. P. Wienskowitz. 1,739,023; Dec. 10.
 Faucet. E. L. Moore. Des. 80,084; Dec. 10.
 Feed mechanism, Auxiliary. E. Laxo and N. J. Schaal. 1,739,153; Dec. 10.
 Feeder clamp, Combined trolley. H. N. Richards. 1,739,090; Dec. 10.
 Feeder for cup-shaped bodies. A. Schmidt. 1,739,422; Dec. 10.
 Feeding mechanism. W. G. Aldeen. 1,739,054; Dec. 10.
 Fender jack. W. E. Thayer. 1,739,488; Dec. 10.
 Fibrous articles, Method and apparatus for saturating. H. Parker. 1,738,794; Dec. 10.
 File, Paper. C. E. Attwood. 1,739,202; Dec. 10.
 Filler and stain, Combined. E. D. Flood. 1,738,992; Dec. 10.
 Filling machine. J. J. Mojonier, H. R. Phillips, and H. J. Clarke. 1,739,252; Dec. 10.
 Filter, Air. P. Pirchlo. 1,739,372; Dec. 10.
 Filter, Electrical. G. B. Grouse. 1,738,760; Dec. 10.
 Fire-extinguisher unit. W. D. Witter. 1,739,274; Dec. 10.
 Fireproofing cellulose. F. S. Vivas. 1,738,976; Dec. 10.
 Fire rack for chinaware. W. B. Louthan. 1,739,037; Dec. 10.
 Firing explosives. L. M. McBride. 1,738,595; Dec. 10.
 Fishing lure. C. H. Scharrer. 1,738,617; Dec. 10.
 Fixture, Supporting. G. E. Hulse. 1,738,652; Dec. 10.
 Flash boiler, High or low pressure. E. J. Lamport. 1,739,401; Dec. 10.
 Float and making same. J. R. Brown and J. C. Mullinax. 1,738,689; Dec. 10.
 Floor coverings, Continuous manufacture of. A. Lannoye. 1,738,591; Dec. 10.
 Floor plate. J. E. Jones. 1,738,829; Dec. 10.
 Floor-sanding machine. R. E. De Walt. 1,738,873; Dec. 10.
 Flow device for oil wells. N. B. Ragland. 1,739,041; Dec. 10.
 Flowers, Apparatus for prolonging the life of cut. G. B. and M. M. Hunt. 1,739,462; Dec. 10.
 Flushing water-closet pans, Device for. A. M. Medrano and G. Chlossone. 1,739,408; Dec. 10.
 Flying machine. L. Lombardi. 1,739,402; Dec. 10.
 Folder unit, Adjustable. H. C. Jordhoy. 1,739,398; Dec. 10.
 Folding machine for tabloid newspapers. O. C. Roosen. 1,739,328; Dec. 10.
 Folding table. M. H. Eckes. 1,739,449; Dec. 10.
 Forging steel gate-valve bodies. V. E. Flodin. 1,738,567; Dec. 10.
 Form for concrete road curbing. J. H. Mosel. 1,739,254; Dec. 10.
 Formaldehyde, Making. A. J. Weith. V. E. Mebark, and H. W. Ahlbeck. 1,738,745; Dec. 10.
 Fountain. See—
 Drinking fountain.
 Four-high mill. O. B. Lindquist. 1,739,156; Dec. 10.
 Frame. See—
 Poster frame.
 Front-wheel brake. A. W. Frehse. 1,738,768; Dec. 10.
 Fuel mixer, Multistage. G. W. McKee. 1,739,161; Dec. 10.
 Furnace. See—
 Electric furnace. Melting and refining furnace.
 Heating furnace.
 Furnace. F. Menne. 1,739,250; Dec. 10.
 Furnace. W. H. Wineman. 1,738,650; Dec. 10.
 Furnace arch. B. Doble. 1,738,527; Dec. 10.
 Furnace arch. R. J. Himmelright. 1,738,580; Dec. 10.
 Furnace for burning finely-divided fuel. V. Z. Caracristi. 1,738,636; Dec. 10.
 Furnace for pulverulent fuel. W. Kleinow, A. Morgenroth, F. Reinhardt, and W. Bruer. 1,739,035; Dec. 10.
 Furnace operation, Blast. W. A. Haven. 1,738,577; Dec. 10.
 Furnace-wall construction. L. H. Hosbelen. 1,738,707; Dec. 10.
 Fuse, Electric. W. H. Humphreys and W. J. Pollock. 1,739,309; Dec. 10.
 Fuse protector, Automatic. J. C. Call. 1,738,867; Dec. 10.
 Fuse-switch panel. H. K. Krantz. 1,739,036; Dec. 10.
 Game board. J. Johannessen. 1,738,582; Dec. 10.
 Game, Card. L. H. Howard. 1,738,902; Dec. 10.
 Garage heater. S. K. Wolff. 1,739,199; Dec. 10.
 Garments, Adjusting means for. H. B. Kiefer. 1,738,905; Dec. 10.
 Gas-cell fabric. W. C. Calvert. 1,739,479; Dec. 10.
 Gas generator, Catalytic. F. Umpleby. 1,738,620; Dec. 10.
 Gas-permeable and waterproofing composition. W. R. Dexter. 1,739,388; Dec. 10.
 Gas separator. A. H. Ruby. 1,739,093; Dec. 10.
 Gasket. C. B. Bailey. 1,738,513; Dec. 10.
 Gear, Draft. J. E. Forsyth. 1,739,134; Dec. 10.

Gear, Flexible. G. M. Eaton. 1,739,130; Dec. 10.
 Gear for electric winches, Brake. P. Wilsong. 1,738,811; Dec. 10.
 Gear-shifting mechanism, Automatic. C. M. Savrda. 1,739,471; Dec. 10.
 Gear stabilizer, Steering. H. E. Weber. 1,738,857; Dec. 10.
 Gear transmission, Change-speed. H. L. Hoy. 1,739,308; Dec. 10.
 Gear, Variable-speed. G. J. Abbott. 1,738,552; Dec. 10.
 Gearing, Power-transmission. R. L. Dennison. 1,738,695; Dec. 10.
 Gels with a solid material, Impregnation of porous. H. N. Holmes. 1,739,307; Dec. 10.
 Gels with metals or other insoluble material, Impregnation of porous. H. N. Holmes. 1,739,306; Dec. 10.
 Generating and storing electricity, System of. J. B. Replogle and J. M. Lea. 1,738,540; Dec. 10.
 Generating oil gas, Apparatus for. A. E. Hodgson and N. C. Jones. 1,739,461; Dec. 10.
 Generator: See—
 Gas generator.
 Generator and electric system including the same, Alternating-current. F. W. Gay. 1,739,136; Dec. 10.
 Glass, Apparatus for feeding molten. K. E. Peller. 1,738,923; Dec. 10.
 Glass, marble, or other similar materials, Apparatus for grinding, smoothing, and polishing plates of. E. Rowart. 1,738,730; Dec. 10.
 Glassware-forming means. I. G. Fowler. 1,739,452; Dec. 10.
 Globe. W. von Nessen. Des. 80,099; Dec. 10.
 Glove, Boxing. R. J. Mitchell. 1,739,013; Dec. 10.
 Goggles fitting. H. F. Shindel. 1,738,618; Dec. 10.
 Golf club. W. J. Klutho. 1,739,468; Dec. 10.
 Golf tee. W. H. McLeod. 1,738,596; Dec. 10.
 Grading machine. L. A. Cogswell. 1,738,818; Dec. 10.
 Grate for furnaces, Refractory. A. Vaszi. 1,738,856; Dec. 10.
 Grave-filling machine. W. T. Conner. 1,739,026; Dec. 10.
 Grease dispenser, Portable. C. G. Butler. 1,739,438; Dec. 10.
 Grinder, Valve. J. L. Reilly. 1,739,419; Dec. 10.
 Grinding and polishing machine, Lens. J. J. Bausch. 1,738,555; Dec. 10.
 Grinding, surfacing, and polishing the curved surfaces of lenses and the like, Apparatus for. A. Pass. 1,739,056; Dec. 10.
 Grit catcher. A. Parker. 1,739,014; Dec. 10.
 Ground packer. C. E. Sayre. 1,738,731; Dec. 10.
 Ground roller, Three-row. J. Craig. 1,739,212; Dec. 10.
 Guard for fire-alarm boxes, Key and lever. M. J. Grace. 1,738,531; Dec. 10.
 Guard for lubricating surfaces. F. J. Schwimmer. 1,739,046; Dec. 10.
 Guard, Meat-saw. O. C. Hansen. 1,738,896; Dec. 10.
 Guide for Axminster tube-frame supports. A. P. Paine. 1,739,170; Dec. 10.
 Gun cleaner. M. B. Metzger. 1,738,601; Dec. 10.
 Hair curler. H. Bachleda. 1,738,681; Dec. 10.
 Hair-ends waver. A. Goodman and J. Goodman. 1,739,301; Dec. 10.
 Handle-bar brace. T. Thompson. 1,738,855; Dec. 10.
 Handle with automatic lock, Pull. O. N. Wiswell. 1,738,862; Dec. 10.
 Hanger: See—
 Boom hanger. Rod hanger.
 Conveyor hanger. Screen hanger.
 Hanger attachment, Garment. J. L. Perleth and J. Coven. 1,738,724; Dec. 10.
 Headlight. R. Rüssler. 1,739,179; Dec. 10.
 Headlight regulator, Vehicle. F. H. Huntworth. 1,739,144; Dec. 10.
 Heat exchanger. W. J. Hoffman. 1,738,706; Dec. 10.
 Heat exchanging, Apparatus for. G. T. Mott. 1,738,914; Dec. 10.
 Heat-transfer means for rotating electrical machinery. F. W. Gay. 1,739,137; Dec. 10.
 Heater: See—
 Electric heater. Water heater.
 Garage heater.
 Heater and wiper, Windshield. S. B. Murphy. 1,739,411; Dec. 10.
 Heater for automobiles. J. J. Sunday. 1,738,850; Dec. 10.
 Heating and ventilating apparatus. C. T. Morse. 1,738,719; Dec. 10.
 Heating furnace, Ingot. K. Neuhaus. 1,738,841; Dec. 10.
 Heating mechanism for internal-combustion engines. E. C. Richard. 1,738,797; Dec. 10.
 Heating unit for tanks, Electrical. A. J. Henry. 1,739,030; Dec. 10.
 Heel breaststing and pressing machine. B. F. Hartwell. 1,738,533; Dec. 10.
 Heel-seat-fitting machine. W. C. Stewart. 1,739,100; Dec. 10.
 Heel, Shoe. D. O. Marshall. 1,738,715; Dec. 10.
 Hinge. G. E. Roedding. Des. 80,090-1; Dec. 10.
 Hinge and stop, Concealed door. J. A. Hoegger. 1,738,705; Dec. 10.
 Hog house, Knockdown. M. Cope. 1,739,387; Dec. 10.
 Hog scalding. W. Becker, jr. 1,739,436; Dec. 10.
 Holder, File. W. M. Houser. Re 17,516; Dec. 10.
 Holder, Flag. C. Lorber. 1,739,099; Dec. 10.
 Holder for a jar or similar article. K. Hagenauer. Des. 80,080; Dec. 10.
 Holder, Knife-head. G. E. Vanderhoof. 1,739,336; Dec. 10.
 Hook: See—
 Box hook. Trip hook.
 Hook rule. A. W. Meyer. 1,739,485; Dec. 10.
 Hose coupling. F. Van N. Eick. 1,739,131; Dec. 10.
 Hose coupling. P. J. Hamilton and L. F. Meunier. 1,738,996; Dec. 10.
 Hotbed for rolling mills. R. R. Bolt. 1,738,983; Dec. 10.
 Hot top. E. L. Messler and J. M. Guthrie. 1,738,600; Dec. 10.
 House: See—
 Amusement house. Hog house.
 Housing for motor-heat indicators. H. H. Boyce. 1,739,284; Dec. 10.
 Hydrocarbons, Apparatus for the separation of. E. R. Cox and H. S. Cole, jr. 1,738,870; Dec. 10.
 Hydrogen peroxide, Concentration and distillation of solutions of. R. Wietzel, L. Schlecht, and O. Köhler. 1,738,625; Dec. 10.
 Ice shaver. K. R. Harmon. 1,738,825; Dec. 10.
 Illumination of lens cells, Spot. C. F. Jenkins. 1,739,312; Dec. 10.
 Implement, Agricultural. H. E. Altgelt. 1,738,510; Dec. 10.
 Inclination indicator. E. Koppl. 1,738,589; Dec. 10.
 Incubator trays, Egg turner for. J. C. Bohmker. 1,738,685; Dec. 10.
 Indexing device, Card. D. A. Nevin. 1,739,168; Dec. 10.
 Indicator: See—
 Inclination indicator. Liquid-level indicator.
 Indicator system. M. P. McCarty. 1,739,010; Dec. 10.
 Induction meter. P. Moos. 1,739,166; Dec. 10.
 Ingot mold. R. Furness. 1,738,882; Dec. 10.
 Initials to name plates, Fastening. H. Buchsbaum. 1,738,865; Dec. 10.
 Ink composition and making same, Printing. G. A. Richter and E. W. Lovering. 1,738,798; Dec. 10.
 Ink, Manufacturing acid-proof and waterproof black. J. Inouye. 1,738,998; Dec. 10.
 Insulator pin. R. E. Duffy. 1,738,875; Dec. 10.
 Internal-combustion engine. P. Lindahl and L. Duncan. 1,739,008; Dec. 10.
 Internal-combustion engine. A. M. Niven. 1,739,255; Dec. 10.
 Internal-combustion engine, Rotary. H. Tropp. 1,739,104; Dec. 10.
 Invalid chair. M. E. Roe. 1,739,260; Dec. 10.
 Iron: See—
 Curling iron.
 Iron ore, blast-furnace dust, burnt pyrite, purple ore, and the like, Enriching. H. A. Mueller. 1,738,603; Dec. 10.
 Ironing table, Folding. H. J. Gilbert. 1,738,886; Dec. 10.
 Jack: See—
 Fender jack.
 Jack. G. E. Weaver and E. W. Kelley. 1,738,622; Dec. 10.
 Jar: See—
 Fruit or preserve jar.
 Jaw wrench, Adjustable. G. F. Schlote. 1,739,182; Dec. 10.
 Joint for metallic members. E. J. Hayman. 1,738,578; Dec. 10.
 Joints around rotating shafts and the like, Making fluid-tight. J. H. Stuthridge and T. M. Hack. 1,738,619; Dec. 10.
 Key case. H. L. Fischer. 1,738,695; Dec. 10.
 Kit, Lunch. J. Stefan. 1,739,425; Dec. 10.
 Knife for vegetable slicers, Auxiliary. J. A. Andrusic. 1,739,342; Dec. 10.
 Knitting frames, Jack slinker of special shape for. F. Tauscher. 1,738,851; Dec. 10.
 Knitting tubular fabric having closed ends, Method and machine for. M. C. Miller. 1,738,787; Dec. 10.
 Kratometer. H. Clement. 1,738,986; Dec. 10.
 Lamp, Auxiliary. L. D. Cammann. 1,738,985; Dec. 10.
 Lamp, Built-in bed. J. B. and J. E. Von Canon. 1,739,337; Dec. 10.
 Lamp, Flash. H. T. Hipwell. 1,738,725; Dec. 10.
 Lamp, Floor. J. De Silvestro. Des. 80,075; Dec. 10.
 Lantern. W. T. Kettering. Des. 80,083; Dec. 10.
 Latch. R. Hall. 1,738,648; Dec. 10.
 Latch, Automatic window-safety. F. I. Smith, jr. 1,739,097; Dec. 10.
 Latch, Automobile door. A. F. Lickteig. 1,739,154; Dec. 10.
 Lath, Ribbed expanded-metal. F. C. Arey. 1,739,473; Dec. 10.
 Lather, Device for making. J. Campanella. 1,738,691; Dec. 10.
 Lens. S. Blelechl. 1,739,478; Dec. 10.
 Lens attachment for glasses, Auxiliary. L. Dunkelsberg. 1,738,990; Dec. 10.
 Lenses, Making multifocal. L. W. Bugbee, jr. 1,738,866; Dec. 10.
 Level. G. R. Ober. 1,738,791; Dec. 10.
 License plate and automobile license-plate holder, Automobile. C. H. Clark. 1,739,441; Dec. 10.
 Life-insurance-policy table-value printing-in system. G. Lipman. 1,738,911; Dec. 10.
 Lifting and moving invalids, Apparatus for. C. M. Cottman. 1,738,758; Dec. 10.
 Light: See—
 Cross-aisle light.
 Light and cord holding device for pressing boards, Combined. T. C. Balthaser. 1,738,514; Dec. 10.

Light and mounting therefor, Dirigible. J. Berge. 1,738,632; Dec. 10.
 Light for vehicles, Flexible tail. M. T. Geyser. 1,738,770; Dec. 10.
 Light-projecting machine. J. W. and K. Brenkert. 1,738,941; Dec. 10.
 Light shield. R. G. Nicholas. 1,739,177; Dec. 10.
 Lighter, Cigar. J. M. Redinger. 1,739,259; Dec. 10.
 Lighting fixture. E. F. Oliver. 1,738,666; Dec. 10.
 Lighting fixture. H. Plaut. Des. 80,088; Dec. 10.
 Lighting fixture. J. Rumpf. 1,738,671; Dec. 10.
 Liner or inner tube for tobacco pipes, cigar, and cigarette tubes, Absorbent. M. H. Barling. 1,738,554; Dec. 10.
 Lining-felling machine. C. W. Mueller. 1,739,080; Dec. 10.
 Linkage for fuel pumps. F. N. Nutt. 1,738,790; Dec. 10.
 Linoleum and the product thereof, Making invalid. C. G. H. Glaeser. 1,738,887; Dec. 10.
 Liquid dispensing apparatus. J. P. Hanna. 1,738,701; Dec. 10.
 Liquid-level indicator. G. P. English and J. H. Becker. 1,738,949; Dec. 10.
 Liquid-level indicator, Dashboard. T. M. Eynon. 1,739,297; Dec. 10.
 Liquid purifier, Centrifugal. J. W. Adams. 1,738,553; Dec. 10.
 Liquid-shaking apparatus. D. Blain. 1,739,349; Dec. 10.
 Liquid-treating apparatus. A. Jensen. 1,738,954; Dec. 10.
 Lock: See—
 Nut lock. Wheel lock.
 Lock switch. Combination. A. R. Kilgusmith. 1,739,003; Dec. 10.
 Locking device, Brake. W. L. Fry. 1,738,769; Dec. 10.
 Locking evacuated tubes, Device for. H. J. Christopher. 1,738,524; Dec. 10.
 Locomotive. N. T. McKee. 1,739,160; Dec. 10.
 Locomotive-throttle mechanism. W. L. Reid. 1,738,668; Dec. 10.
 Logging unit. P. A. Wickes. 1,738,747; Dec. 10.
 Loom, Attachment for multicolor-weft-replenishing. H. L. Molloy and C. Bellisle. 1,739,164; Dec. 10.
 Loom, Automatic weft-replenishing. A. A. Gordon. 1,739,224; Dec. 10.
 Loom dobbie mechanism. W. M. Wattle. 1,739,194; Dec. 10.
 Loom for weaving terry fabrics of different heights. H. L. Blanchard. 1,739,205; Dec. 10.
 Loom, Multicolor-weft-replenishing. K. J. Unwin and W. H. Wakefield. 1,739,190; Dec. 10.
 Loom to weave terry piles of varying heights. W. H. Wakefield. 1,739,192; Dec. 10.
 Looms, Filling stop motion for. J. W. Simpson. 1,739,184; Dec. 10.
 Looms, Head motion for. K. J. Unwin and W. H. Wakefield. 1,739,189; Dec. 10.
 Looms, Let-off for. E. R. Holmes. 1,739,232; Dec. 10.
 Looms, Needle motion for Axminster. A. P. Paine. 1,739,171; Dec. 10.
 Looms, Tube-frame-supporting chain for Axminster. A. P. Paine. 1,739,169; Dec. 10.
 Looms, Weft-replenishing mechanism for. A. A. Gordon. 1,739,225; Dec. 10.
 Looping machine. E. J. Gearhart. 1,739,358; Dec. 10.
 Loud-speaker. A. E. Jordan and N. Baldwin. 1,738,955; Dec. 10.
 Loud-speaker. L. Levy. 1,738,588; Dec. 10.
 Lubricating device. C. W. A. Koelkebeck. 1,739,076; Dec. 10.
 Lubricating gun. G. B. Wilson and K. C. Bagley. 1,738,661; Dec. 10.
 Lubricating system. R. W. A. Brewer. 1,738,560; Dec. 10.
 Lubricator. G. P. Simmons. 1,739,377; Dec. 10.
 Machine adapted for the washing of dishes and other tableware. J. Lütolf. 1,739,404; Dec. 10.
 Machine clamp. B. P. Graves. 1,738,647; Dec. 10.
 Machine for applying seals to cushion inserts. F. C. Lundell and C. B. Regan. 1,738,781; Dec. 10.
 Machine for automatic cutting of recesses or the like in straight or curved direction on surfaces. A. Jørgensen. 1,739,465; Dec. 10.
 Machine for automatically cutting slate into sheets. A. Parnet. 1,739,414; Dec. 10.
 Machine for bending flat metal strips into spirals. H. S. Powell. 1,739,040; Dec. 10.
 Machine for closing sacks. H. Anderson and F. O. Lindgren. 1,738,511; Dec. 10.
 Machine for folding sheet metal. F. Menne. 1,739,249; Dec. 10.
 Machine for gluing veneer edges. M. W. Perry. 1,739,088; Dec. 10.
 Machine for making tiles. G. B. Stead. 1,739,379; Dec. 10.
 Machine for operating on heels. N. H. Knowlton. 1,738,587; Dec. 10.
 Machine for reducing printing plates to uniform thickness. L. W. Claybourn. 1,738,759; Dec. 10.
 Machine for removing surplus material from boots and shoes. B. Jørgensen. 1,738,584; Dec. 10.
 Machine for scoring wooden boards. P. Rüttiman, sr., and F. Holzschelter. 1,738,966; Dec. 10.
 Machine for the manufacture of glass articles. R. F. Hall. 1,739,140; Dec. 10.
 Machine for the manufacture of glass articles. S. Hunt. 1,739,145; Dec. 10.
 Machine for upsetting and like operations. K. Auerbach. 1,739,276; Dec. 10.
 Machine for use in making boxes. O. C. Thompson. 1,738,806; Dec. 10.
 Magnesium perchlorate. G. F. Smith. 1,738,930; Dec. 10.
 Magnetic keeper cradle. G. S. White. 1,738,859; Dec. 10.
 Magnetic separator for cane-crushing machinery. L. J. Struobig. 1,738,739; Dec. 10.
 Magneto coupling. G. Neveu. 1,738,962; Dec. 10.
 Manfolding check. R. P. Templeton. 1,738,676; Dec. 10.
 Marceller, Hair. H. Bachleda. 1,738,754; Dec. 10.
 Material-working apparatus. H. Blount. 1,739,282; Dec. 10.
 Measuring and cost-computing machine, Fabric. J. L. Wheeler. 1,738,546; Dec. 10.
 Measuring instruments, Recording device for. A. Chagnaud. 1,738,563; Dec. 10.
 Measuring materials, Apparatus for. A. Marchev. 1,739,247; Dec. 10.
 Measuring tape reel. A. Langsner. 1,739,240; Dec. 10.
 Measuring the permeability of magnetic materials, Apparatus for. B. J. Babbitt. 1,739,277; Dec. 10.
 Meat chopper. T. H. Strachan. 1,738,933; Dec. 10.
 Meat tenderer. A. F. Darling. 1,739,214; Dec. 10.
 Mechanical movement. A. Andrews. 1,738,512; Dec. 10.
 Mechanical movement. E. Bachelot. 1,738,981; Dec. 10.
 Mechanical movement. S. L. Norton. 1,738,963; Dec. 10.
 Melting and refining furnace. T. F. Bally. 1,739,343; Dec. 10.
 Melting pot, Electric. F. Kuhn and L. H. Thomas. 1,738,908; Dec. 10.
 Metal filaments, Making. R. Jacoby and F. Koref. 1,739,234; Dec. 10.
 Metal on metal tubes, Apparatus for use in the electrolytic deposition of. F. J. Pike and C. J. Lyth. 1,738,727; Dec. 10.
 Metal oxides, Reducing rare refractory. M. N. Rich. 1,738,669; Dec. 10.
 Metallic materials, Production of finely-divided. J. H. White. 1,739,052; Dec. 10.
 Motor: See—
 Induction motor.
 Metering system, Zone. R. F. Stehlik. 1,738,931; Dec. 10.
 Mill: See—
 Four-high mill. Ring-roll mill.
 Mixing mill.
 Milling machines, Coolant supply for. B. P. Graves. 1,738,646; Dec. 10.
 Minerals by flotation, Separation of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,739,369; Dec. 10.
 Minnow, Artificial. F. S. Quin. 1,739,258; Dec. 10.
 Mirror structure for purses, hand bags, and the like. H. A. Stanley. 1,738,802; Dec. 10.
 Mixer: See—
 Fuel mixer.
 Mixing apparatus. R. Head. 1,738,898; Dec. 10.
 Mixing machine. J. F. Field. 1,739,066; Dec. 10.
 Mixing mill. D. C. Helm. 1,739,149; Dec. 10.
 Mixture of chemicals suitable for the preparation of fire foam, Producing a dry. K. Schmidt. 1,739,094; Dec. 10.
 Mold: See—
 Ingot mold.
 Mold for forming glass vessels. H. J. Raynes and F. J. Denning. 1,738,964; Dec. 10.
 Molds, Shrink-head casing for ingot. E. Gathmann. 1,739,222; Dec. 10.
 Motor: See—
 Pressure motor.
 Motor-control system. P. McShane. 1,739,174; Dec. 10.
 Motor-control system. R. J. Wensley and M. J. Wohlgenuth. 1,739,169; Dec. 10.
 Motor controller. E. W. Seeger. 1,739,330; Dec. 10.
 Motor tachometer organization, Outboard. G. W. Harry. 1,738,772; Dec. 10.
 Mount for aircraft guns, Pedestal. R. C. Coupland. 1,739,125; Dec. 10.
 Mounting, Engine. A. S. Harbour. 1,738,532; Dec. 10.
 Mounting for combined wall base and floor coverings. S. G. Lisher and C. Ratto. 1,739,077; Dec. 10.
 Mounting, Swinging tag forked. I. H. Gray. 1,738,892; Dec. 10.
 Moving apparatus, Material. B. S. Snow. 1,739,099; Dec. 10.
 Mowing machine. J. M. Michels. 1,738,661; Dec. 10.
 Mowing machine. E. C. Myers. 1,739,323; Dec. 10.
 Muffler. H. S. Powell. 1,739,039; Dec. 10.
 Music supporting and turning device. H. O. Ensign. 1,739,065; Dec. 10.
 Needle for talking machines, phonographs, and similar instruments, Reproducing. H. J. Fiddelke. 1,739,219; Dec. 10.
 Nozzle. Z. S. Goss. 1,739,226; Dec. 10.
 Nut lock. B. J. F. Andersson. 1,739,476; Dec. 10.
 Nut, Lock. C. Murphy. 1,739,410; Dec. 10.
 Nut, Quick-detachable. A. E. Bronson. 1,739,286; Dec. 10.
 Odometer mechanism. J. Berge. 1,738,558; Dec. 10.
 Odors from gases and air, Removing. J. T. Travers. 1,738,543; Dec. 10.
 Oil burner. H. L. Jensen. 1,738,655; Dec. 10.
 Oil burner. W. E. Shore. 1,739,047; Dec. 10.
 Oil burner, Automatic. J. Brant. 1,739,350; Dec. 10.
 Oil-dispensing apparatus. B. Johnsen. 1,739,313; Dec. 10.

Oil-regulating device. R. C. Hopkins. 1,739,360; Dec. 10.
 Oil-well flowing and pumping apparatus. J. W. Taylor. 1,738,974; Dec. 10.
 Oils without avoidable decomposition or discoloration. Distilling refined, cracked. F. C. Axtell. 1,738,518; Dec. 10.
 Opener, Can. H. W. Otto. 1,739,413; Dec. 10.
 Operating and locking device, Automatic door. C. R. Trimble. 1,738,741; Dec. 10.
 Ornament. I. L. Rice. 1,738,613; Dec. 10.
 Ornament for drapery rods or the like, End. W. E. Smith. Des. 80,095; Dec. 10.
 Ornament, Radiator. A. Sandoni. 1,738,846; Dec. 10.
 Ornament, Radiator-cap. C. V. Wilson. Des. 80,101; Dec. 10.
 Ornament, Shoe. W. E. Smith. Des. 80,094; Dec. 10.
 Ornaments, Attachment for shoe. W. L. Myers and G. D. Harrison. 1,738,605; Dec. 10.
 Oscillating joints and supports, Process and machine for manufacturing. L. Thiry. 1,739,270; Dec. 10.
 Oscillator, High-frequency. F. Gerth and H. Schumacher. 1,739,299; Dec. 10.
 Outlet boxes, Attaching device for. E. J. S. Swanson. 1,738,973; Dec. 10.
 Oven, Vertical retort. J. van Ackeren. 1,738,743; Dec. 10.
 Packaging machine. W. S. Cleaves. 1,739,061; Dec. 10.
 Painting machine. S. J. Southey, Jr. 1,738,738; Dec. 10.
 Panel, Instrument. A. Champion. 1,738,639; Dec. 10.
 Paper cup, Collapsible. M. H. Lockwood. 1,738,779; Dec. 10.
 Paper cup, Collapsible. W. J. Main. 1,738,782; Dec. 10.
 Paper-making method and machine. W. H. Mulsbaugh. 1,739,038; Dec. 10.
 Paper rolls for the web change, Preparing. H. A. W. Wood. 1,739,381; Dec. 10.
 Paper, Wall. J. R. Whitwell. Des. 80,100; Dec. 10.
 Pasteurizing apparatus. F. W. Kelly and A. H. Luedtke. 1,738,634; Dec. 10.
 Pavement. J. B. Strauss. 1,739,102; Dec. 10.
 Pavements, roads, trends, and the like, Wearing surface of. T. Gare. 1,738,571; Dec. 10.
 Peat-fuel machine. R. E. Ober. 1,738,665; Dec. 10.
 Pencil lead and making same. R. B. Goldsmith and H. Grossman. 1,738,888; Dec. 10.
 Pen, Fountain. H. Lessing. 1,738,835; Dec. 10.
 Pen, Fountain. T. Pearson. 1,739,325; Dec. 10.
 Penholder and calendar, Combined. H. L. Fischer. Des. 80,077; Dec. 10.
 Phonograph and radio receiving-set cabinet or similar article, Combined. M. Nystrom. Des. 80,086-7; Dec. 10.
 Phonograph needle. C. A. Ahlstrom. 1,739,201; Dec. 10.
 Phonograph records, Electrical reproducer for. L. D. Harris. 1,739,228; Dec. 10.
 Photographic emulsions, Preparation of photosensitive. W. Frankenburg and G. Roessler. 1,738,530; Dec. 10.
 Picture illuminator, Disappearing. H. D. Lloyd. 1,739,320; Dec. 10.
 Picture machine, Motion-. W. P. Jeanes and C. Drimmer. 1,738,999; Dec. 10.
 Picture transmission, Synchronizing arrangement for. F. Schroter. 1,738,673; Dec. 10.
 Pigment and its manufacture, Chrome-green. F. S. Low. 1,738,780; Dec. 10.
 Piled faced material and making the same. F. W. Moore. 1,739,322; Dec. 10.
 Pin: See—
 Insulator pin.
 Pipe cleaner. M. C. Lo Boves. 1,738,836; Dec. 10.
 Pipe coupling. P. Mueller. 1,738,915; Dec. 10.
 Pistol, Automatic. W. R. Bluehorn. 1,738,751; Dec. 10.
 Piston. F. M. Ecker. 1,739,221; Dec. 10.
 Piston for internal-combustion engines. E. T. Larkin. 1,739,007; Dec. 10.
 Piston, Oil-conserving. C. E. Johnson. 1,738,534; Dec. 10.
 Piston ring. H. Jandike. 1,739,361; Dec. 10.
 Pit, Refuse. R. A. Foresman. 1,739,135; Dec. 10.
 Plant protector. J. A. Stripling. 1,739,426; Dec. 10.
 Plaster-board construction. O. V. Kean. 1,738,832; Dec. 10.
 Platform for aeroplanes, Yieldable landing. W. C. Ward. 1,739,193; Dec. 10.
 Plug-and-socket connection, Electrical. H. B. Jones. 1,738,709; Dec. 10.
 Plug for drainage fixtures, Protective. W. S. Fleming. 1,739,067; Dec. 10.
 Polish, Furniture. E. E. Sturm. 1,739,332; Dec. 10.
 Polishing disk. G. P. Despret. 1,739,294; Dec. 10.
 Pool, Swimming. C. M. Mapes and E. Brittan. 1,739,078; Dec. 10.
 Poster frame, Adjustable. E. E. Palne. 1,738,793; Dec. 10.
 Pot: See—
 Melting pot.
 Potato digger. J. Reuther. 1,738,795; Dec. 10.
 Power shovel. H. L. Mitchell and R. Ljungkull. 1,739,175; Dec. 10.
 Power take-off. S. Przybyszewski. 1,738,924; Dec. 10.
 Power-transmitting mechanism. W. W. Kelly. 1,739,075; Dec. 10.
 Power unit. F. F. Criteser. 1,739,353; Dec. 10.
 Press: See—
 Pressure press.
 Press and folder, Tubular-plate. E. W. Dean. 1,738,761; Dec. 10.

Press for cutting or punching sheet material. A. F. Carlson. 1,738,637; Dec. 10.
 Pressure motor, Rotary fluid-. G. H. Guman. 1,738,645; Dec. 10.
 Pressure press, High-. S. Hiller. 1,739,459; Dec. 10.
 Printer. H. E. Wheeler. 1,739,110; Dec. 10.
 Printer's quota. O. C. Wiedemann. 1,739,111; Dec. 10.
 Printing machine, Combined color and flock. G. Simpson. 1,739,264; Dec. 10.
 Printing rollers, Making and repairing. C. Hamer. 1,738,995; Dec. 10.
 Producing materials in finely-divided form. J. E. Harris. 1,739,068; Dec. 10.
 Projection apparatus. K. and J. W. Brenkert. 1,738,942; Dec. 10.
 Projection apparatus. K. and J. W. Brenkert. 1,738,944; Dec. 10.
 Projector. R. P. De Vault. 1,738,762; Dec. 10.
 Projector, Stereopticon. J. W. Brenkert and K. Brenkert. 1,738,943; Dec. 10.
 Pulverizing apparatus. O. Craig. 1,739,213; Dec. 10.
 Pump. H. H. Haight. 1,739,133; Dec. 10.
 Pump. E. M. Scoville. 1,738,734; Dec. 10.
 Pump. W. V. Seifert. 1,739,095; Dec. 10.
 Pump, Fuel. C. W. McKinley. 1,738,786; Dec. 10.
 Pump, Liquid. E. J. Leach. 1,739,318; Dec. 10.
 Pump, Mud. W. V. Seifert. 1,739,096; Dec. 10.
 Pump, Multifeed. E. M. Scoville. 1,738,735; Dec. 10.
 Pump, Nonreversible. H. T. Wheeler. 1,739,195; Dec. 10.
 Pump or engine, Gear. E. Moelgemba. 1,738,602; Dec. 10.
 Pump structures, Jarring device for. R. W. Banks. 1,739,204; Dec. 10.
 Pumping unit. A. Jordao, Jr. 1,739,000; Dec. 10.
 Punch, Inking. E. F. Graf. 1,738,891; Dec. 10.
 Punch, Paper. A. Glaeser. 1,738,572; Dec. 10.
 Purse, Illuminated. M. Koban and U. Ercolani. 1,739,316; Dec. 10.
 Rack: See—
 Barrel rack. Display rack.
 Clothes rack.
 Radiolal, Vernier. R. J. Jacobson and L. C. Martin. 1,739,310; Dec. 10.
 Radio speaker diaphragm. F. E. Greswold. 1,738,575; Dec. 10.
 Rail anchorage, Resilient. I. O. Mall. 1,739,158; Dec. 10.
 Rail bond. E. M. Deems. 1,739,292; Dec. 10.
 Rail bond. E. M. Deems and W. H. B. Lavarack. 1,739,293; Dec. 10.
 Razor and blade therefor. M. R. Behrman. 1,739,280; Dec. 10.
 Razor, Electric safety. S. W. Moon. 1,738,537; Dec. 10.
 Razor-stropping means. P. Müller. 1,739,167; Dec. 10.
 Reaming machine. H. T. Snell. 1,739,424; Dec. 10.
 Receiving station. C. E. Fuller. 1,738,569; Dec. 10.
 Receptacle, Smoker's ash. W. P. Belling. 1,738,557; Dec. 10.
 Receptacles, Manufacture of double-walled vacuum. C. G. Elnk and J. R. Beers. 1,738,991; Dec. 10.
 Recorder: See—
 Direction recorder. Time recorder.
 Reel: See—
 Measuring-tape reel.
 Refining crude borax. C. F. Ritchie and W. A. Gale. 1,739,091; Dec. 10.
 Refrigeration. C. G. Munters and J. G. Tandberg. 1,738,720; Dec. 10.
 Refrigeration. I. B. Ross. 1,739,017; Dec. 10.
 Refrigeration. B. C. von Platen, C. G. Munters, and S. M. Backström. 1,738,678; Dec. 10.
 Refrigeration, Mechanical. C. C. Spreen. Re17,518; Dec. 10.
 Regulating device for electrical systems. R. A. Philip. 1,738,726; Dec. 10.
 Regulating mechanism, Movement-. R. F. Ringle. 1,739,042; Dec. 10.
 Regulator: See—
 Headlight regulator.
 Regulator for electric irons, Automatic economizer and temperature. W. L. Keefer. 1,739,002; Dec. 10.
 Regulator system. J. P. Maxwell, R. C. Bergvall, and J. H. Ashbaugh. 1,739,159; Dec. 10.
 Relay, Vacuum-tube. S. Ruben. 1,739,043; Dec. 10.
 Repulper for sedimentation apparatus, Feed. J. Gregorich. 1,739,302; Dec. 10.
 Resilient clamp. H. S. Jandus. 1,739,236; Dec. 10.
 Resinous condensation product. A. H. V. Durr. 1,739,447-S; Dec. 10.
 Resinous condensation product and preparing same. A. H. V. Durr. 1,739,446; Dec. 10.
 Resistance unit. R. R. Dunlop. 1,738,529; Dec. 10.
 Rest, Folding foot and leg. J. A. White. 1,738,810; Dec. 10.
 Retaining-valve bracket. V. H. Harbert. 1,738,897; Dec. 10.
 Ring: See—
 Curtain ring. Piston ring.
 Ring-roll mill. T. J. Sturtevant. 1,739,487; Dec. 10.
 Riveting machines, Head for movable. E. W. Larsen. 1,739,152; Dec. 10.
 Road-grader attachment. A. J. Fallert. 1,738,880; Dec. 10.

Rock drill, Separable. O. Garino. 1,738,883; Dec. 10.
 Rod: See—
 Brake rod.
 Rod hanger, Ceiling-. E. C. Marqua and S. J. Callahan. 1,739,079; Dec. 10.
 Roller: See—
 Ground roller.
 Roller screen. G. Perior. 1,738,008; Dec. 10.
 Rotary drier. W. A. Hart and F. W. Moore. 1,738,826; Dec. 10.
 Roving or yarn, Process and mechanism for the manufacture of. W. G. Reynolds. 1,738,796; Dec. 10.
 Rubber for oil wells, Swab. W. G. Bisbee and B. P. Hoffman. 1,739,385; Dec. 10.
 Rug. W. Henderson and J. J. Henderson. Des. 80,081; Dec. 10.
 Sadiron stand. M. A. Rollman. 1,738,845; Dec. 10.
 Safety device for punch presses. E. Des. Enfants, Sr. 1,738,872; Dec. 10.
 Safety-line terret. T. L. Kelley. 1,738,833; Dec. 10.
 Salt and pepper shaker, Individual combination. G. F. Kraft. 1,739,363; Dec. 10.
 Sand-blasting machine. H. A. Mulvaney and H. E. Kennedy. 1,738,958; Dec. 10.
 Sash-operating mechanism. E. W. Terhune. 1,738,742; Dec. 10.
 Scissors sharpening device. J. E. Strnad. 1,738,936; Dec. 10.
 Scorekeeping devices, Intermittent drive for. O. Kurz. 1,738,909; Dec. 10.
 Screen: See—
 Roller screen.
 Snow screen.
 Screen for automobiles. I. T. Borland. 1,738,517; Dec. 10.
 Screen for automobiles. J. W. Jelks. 1,739,395; Dec. 10.
 Screen hanger. A. E. Lyons. 1,739,157; Dec. 10.
 Screw driver and drill machine. H. C. Brandt. 1,738,687; Dec. 10.
 Sealing machine. W. S. Silver. 1,739,048; Dec. 10.
 Sealing machine, Bottle-. A. P. Stiansen. 1,738,803; Dec. 10.
 Seals, Method of and apparatus for making bottle. W. Reicht. 1,738,612; Dec. 10.
 Seat: See—
 Toilet seat.
 Separator: See—
 Gas separator. Steam separator.
 Separator apparatus. C. Matlock. 1,738,717; Dec. 10.
 Sewage-disposal plant, Septic. L. J. Bomhoff. 1,738,521; Dec. 10.
 Sewing machine. A. F. Carlson. 1,738,868; Dec. 10.
 Sewing machine. A. F. Carlson. 1,739,059; Dec. 10.
 Sewing machine. B. T. Leveque. 1,738,778; Dec. 10.
 Sewing machine. B. T. Leveque. 1,739,241; Dec. 10.
 Sewing machine. B. T. Leveque. 1,739,243; Dec. 10.
 Sewing machine. V. G. Saurman. 1,738,672; Dec. 10.
 Sewing-machine attachment. M. E. Johnson. 1,739,397; Dec. 10.
 Sewing machine, Blind-stitch. C. W. Mueller. 1,739,081; Dec. 10.
 Sewing machine, Buttonhole-. E. B. Allen. 1,738,631; Dec. 10.
 Sewing machines, Feed mechanism for. B. T. Leveque. 1,739,244; Dec. 10.
 Sewing machines, Loop forming device for. G. S. Gatchell. 1,738,644; Dec. 10.
 Sewing machines, Looper mechanism for. L. G. Bowman. 1,738,559; Dec. 10.
 Sewing machines, Looper-thread controlling mechanism for. A. B. Clayton. 1,738,525; Dec. 10.
 Shaper hood. G. T. Hurlburt. 1,739,484; Dec. 10.
 Sheave block and head. V. Monroe. 1,739,368; Dec. 10.
 Sheet-feeding apparatus. A. Broadmeyer. Re17,519; Dec. 10.
 Sheet-registering device. C. F. Root. 1,738,799; Dec. 10.
 Sheet stacker. G. W. Lentz. 1,739,319; Dec. 10.
 Sheet-surfacing materials, Fabrication of ornamented. M. Elias. 1,738,696; Dec. 10.
 Shelf for house radiators. G. Sayers. 1,739,263; Dec. 10.
 Shipping block for automobile tires and rims. F. L. Seeley. 1,739,423; Dec. 10.
 Shock absorber. E. Plentje. 1,739,132; Dec. 10.
 Shock absorber. J. G. Hawley. 1,739,304; Dec. 10.
 Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,738,723; Dec. 10.
 Shoe. I. Simon. 1,738,929; Dec. 10.
 Shoe and fixing shank stiffeners thereto, Turn. R. B. Bartels. 1,739,279; Dec. 10.
 Shoe heel and assembling and attaching the same. R. S. Megathlin. 1,738,598; Dec. 10.
 Shoe last. J. K. Northrup. 1,738,664; Dec. 10.
 Shovel: See—
 Power shovel.
 Shutter, Framing. K. Brenkert and J. W. Brenkert. 1,738,945; Dec. 10.
 Sign. L. Hall. 1,738,895; Dec. 10.
 Sign border. N. Berggren. Des. 80,070; Dec. 10.
 Sign-display device, Rotating. J. L. Morris and B. E. Mitchell. 1,738,840; Dec. 10.
 Signal accelerator for fire-extinguishing systems, Automatic thermal. E. A. Lowe and J. R. Hamilton. 1,738,656; Dec. 10.

Signal control for automobile. C. H. Twetten. 1,738,975; Dec. 10.
 Signal device, Light-reflecting. E. M. Carter. 1,739,289; Dec. 10.
 Signal for motor vehicles, Direction. A. L. Davis. 1,738,871; Dec. 10.
 Signaling and remote control, Supervisory. C. B. Bartley and V. H. Duke. 1,739,055; Dec. 10.
 Signaling system. G. P. Adair. 1,739,340; Dec. 10.
 Signaling system, Electromagnetic wave. G. A. Campbell. 1,738,522; Dec. 10.
 Signaling system for subscribers' telephone circuits. H. H. Abbott. 1,738,519; Dec. 10.
 Signaling system, High-frequency. L. F. Bird. 1,739,384; Dec. 10.
 Signaling system, High-frequency. E. F. Carter. 1,739,351; Dec. 10.
 Signaling system, Railway. A. B. Hudd. 1,738,903; Dec. 10.
 Signature gathering and stitching machine. O. Kleinschmidt. 1,738,586; Dec. 10.
 Silk, Manufacturing dyed artificial. H. J. J. Janssen. 1,739,475; Dec. 10.
 Skate wheel. A. H. Fritz and E. J. Pardon. 1,739,474; Dec. 10.
 Sleeve-valve engine. W. Waddell. 1,739,273; Dec. 10.
 Slicing machine. W. J. Campbell. 1,739,490; Dec. 10.
 Slimes derived from wet washing of gas for slintering, Preparing. A. J. Boynton. 1,738,940; Dec. 10.
 Smoker's outfit. A. W. Keffer. 1,738,239; Dec. 10.
 Snare. J. Kleffman. 1,738,907; Dec. 10.
 Snowplow. R. E. Choate. 1,739,352; Dec. 10.
 Snow-removing machine. S. Sidella. 1,739,331; Dec. 10.
 Snow screen. L. C. Reis. 1,738,843; Dec. 10.
 Socket, Electric-light. B. F. Muldoon. Des. 80,102; Dec. 10.
 Socket for electric plugs, Connector. T. C. Smith. 1,738,970; Dec. 10.
 Soldering apparatus. J. F. Schylander. 1,738,800; Dec. 10.
 Sole, Arch-supporting. E. C. Martin. 1,739,406; Dec. 10.
 Sound actuated and producing device. L. de Forest. 1,738,988; Dec. 10.
 Sound-reproducing unit. P. G. Andres. Re17,515; Dec. 10.
 Sound waves, Method and apparatus for utilizing high-frequency. W. Claypoole. 1,738,565; Dec. 10.
 Spark arrester. S. Baldygar. 1,739,115; Dec. 10.
 Spark gap and shield. E. E. Bidwell. 1,739,118; Dec. 10.
 Spark plug. H. Rabezzana. 1,738,610; Dec. 10.
 Spectacles and goggles. J. A. Smith. 1,739,049; Dec. 10.
 Spectacles or the like. H. Newbold. 1,738,606; Dec. 10.
 Speed drive, Variable. H. Honigmann. 1,739,150; Dec. 10.
 Speedometer drive. E. A. Gustafson. 1,738,771; Dec. 10.
 Splicer, Wire. H. Allen. 1,738,812; Dec. 10.
 Spool for disk-gang assemblies. C. H. Gemberling. 1,738,885; Dec. 10.
 Spoon or similar article. E. Holmes. Des. 80,082; Dec. 10.
 Sprayer and the like. H. J. Bragdon. 1,738,757; Dec. 10.
 Spray and the like. H. J. Bragdon. 1,738,863; Dec. 10.
 Spray head. E. W. Tracy. 1,739,428; Dec. 10.
 Spring: See—
 Vehicle spring.
 Spring shackle. R. H. Chilton. 1,739,025; Dec. 10.
 Stair tread and holder. J. C. Jacques. 1,738,775; Dec. 10.
 Stamping device, especially for stamping pieces out of dies.
 Stamping of artificial horn. A. Ziskmondy. 1,739,200; Dec. 10.
 Stamping machine. G. W. Heene. 1,738,899; Dec. 10.
 Stanchion sure stop. C. H. Grubb. 1,739,227; Dec. 10.
 Stand: See—
 Sadiron stand.
 Starter, Engine. G. W. Elsey. 1,739,028; Dec. 10.
 Starter, Engine. R. P. Lansing. 1,739,469-70; Dec. 10.
 Starter for internal-combustion engines. J. Hasselbring, Jr. 1,739,069; Dec. 10.
 Starting of internal-combustion engines, Arrangement for facilitating the. F. Müller. 1,739,084; Dec. 10.
 Steam and lubricant to engine cylinders, Automatic apparatus for supplying. R. Wood. 1,738,649; Dec. 10.
 Steam boiler. C. F. Clemens and A. H. Kemper. 1,738,817; Dec. 10.
 Steam fan drier. W. M. Coffield and T. C. Moore. 1,738,640; Dec. 10.
 Steam injector, Exhaust-. J. F. Griffin. 1,738,824; Dec. 10.
 Steam separator. G. D. Bradshaw. 1,738,756; Dec. 10.
 Steam-superheating plant. C. H. Goodrich. 1,738,890; Dec. 10.
 Steam trap. F. L. Jahn. 1,739,311; Dec. 10.
 Steam trap. P. Walter. 1,738,809; Dec. 10.
 Steaming and air-cooling machine, Mantle. E. H. Marble. 1,738,837; Dec. 10.
 Steel, Making. T. F. Bally. 1,739,278; Dec. 10.
 Steel sheets, Making ductile high-silicon. R. R. Curry. 1,739,126; Dec. 10.
 Stencil device. E. Ross. 1,739,173; Dec. 10.
 Stirrup for weighing scales, Steelyard. T. H. Strachan. 1,738,932; Dec. 10.
 Stoker, Traveling grate. R. Zinkernagel. 1,738,749; Dec. 10.

Stone, Hardening alberene. P. Mahler. 1,738,956; Dec. 10.
 Stopper: See—
 Bottle stopper.
 Stovepipe or the like. W. E. Huenefeld. 1,739,233; Dec. 10.
 Strap: See—
 Article strap.
 Stripe-painting device. E. P. du Pont. 1,739,296; Dec. 10.
 Structural part, Fabricated. U. C. Thies. 1,738,854; Dec. 10.
 Structure, Trussed. H. H. Saker. 1,738,926; Dec. 10.
 Stuffing machine. G. C. Kidwell. 1,739,934; Dec. 10.
 Sugar producer, Manufacture of a. W. H. Dickerson. 1,739,064; Dec. 10.
 Superheater. E. R. Stein and K. Volland. 1,738,849; Dec. 10.
 Support, Adjustable bobbin. W. T. Barratt. 1,738,813; Dec. 10.
 Support, Arch. H. T. S. Huntington. 1,738,827; Dec. 10.
 Support, Brake-hanger. W. O. Moody and L. J. Brown. 1,739,253; Dec. 10.
 Support, Clothesline. J. E. Hester. 1,738,704; Dec. 10.
 Support, Engine rear. D. S. Taylor. 1,738,805; Dec. 10.
 Support, Pedestal. H. C. Kihnehan, sr. 1,739,466; Dec. 10.
 Support, Seat. O. V. Kean. 1,738,831; Dec. 10.
 Support, Watch. E. G. Dann. 1,738,643; Dec. 10.
 Support, Work. F. M. Furber. 1,738,570; Dec. 10.
 Supporting means for gyroscopic compasses. C. B. Mills. 1,738,251; Dec. 10.
 Supporting sheets of paper and the like, Device for. C. S. Bock. 1,739,057; Dec. 10.
 Surface condenser. C. A. Parsons. 1,739,415; Dec. 10.
 Switch: See—
 Lock switch.
 Switch. F. R. Zumbro and F. Shenton. 1,739,435; Dec. 10.
 Switch box. G. H. Calboun. 1,739,124; Dec. 10.
 Switch construction. L. Blackmore. 1,738,755; Dec. 10.
 Switch construction. H. C. Doane and L. Blackmore. 1,738,764; Dec. 10.
 Syringe, Pocket. S. Neeb. 1,738,961; Dec. 10.
 Table: See—
 Folding table. Ironing table.
 Tank for motor vehicles, Auxiliary. F. Swoyer. 1,739,333; Dec. 10.
 Target, Bobbing. F. J. Domingo. 1,738,874; Dec. 10.
 Teat cup. R. L. Hinman. 1,739,483; Dec. 10.
 Telegraph apparatus, Printing. C. L. and H. L. Krum. 1,738,777; Dec. 10.
 Telephone desk set. H. F. Obergetell. 1,738,919; Dec. 10.
 Telephone-message apparatus. S. Zullo. 1,738,551; Dec. 10.
 Telephone receiver. A. H. Inglis and R. Guenther. 1,738,653; Dec. 10.
 Telephone system. D. A. Christian. 1,738,564; Dec. 10.
 Telephone system. J. Wicks. 1,738,624; Dec. 10.
 Telephone system, Automatic. C. E. Lomax. 1,739,245; Dec. 10.
 Telephone system, Automatic. H. R. Parshall. 1,739,178; Dec. 10.
 Temperature regulation. P. Diebold. 1,739,295; Dec. 10.
 Temperature-responsive device, Multiple-indicating. H. H. Boyce. 1,739,285; Dec. 10.
 Tenter clip. J. J. Hoey. 1,739,071; Dec. 10.
 Testing flexible strands, Method of and apparatus for. B. K. Ford. 1,739,298; Dec. 10.
 Testing typewriter ribbons, Device for. C. J. Kannewisher. 1,738,830; Dec. 10.
 Tether, Child's. H. E. Hodgson. 1,738,581; Dec. 10.
 Textile fabric. L. Blva. Des. 80,072-3; Dec. 10.
 Textile fabric. L. Goldstein. Des. 80,079; Dec. 10.
 Theft-preventing device, Automobile. P. F. Mulcahy and W. C. Coony. 1,739,083; Dec. 10.
 Thermometer tubes, Method of and apparatus for sealing. J. L. Chaney. 1,738,208; Dec. 10.
 Thermostatic control. D. Eisinga. 1,738,878; Dec. 10.
 Thrashing attachment, Header. G. W. White. 1,739,380; Dec. 10.
 Thread for mending stockings, Supplying. M. G. Barney. 1,739,346; Dec. 10.
 Threads, filaments, ribbons, and the like, Manufacture and production of artificial. E. Hazeley and E. A. Morton. 1,739,458; Dec. 10.
 Tiles, Firing. J. P. Johnson. 1,739,151; Dec. 10.
 Tiling, Finishing sheet-metal. G. L. Bennett. 1,739,050; Dec. 10.
 Time recorder, Workman's. R. D. Sawtell. 1,738,928; Dec. 10.
 Tire. E. S. Moulton. 1,739,370; Dec. 10.
 Tire cord making. K. B. Cook and L. P. Gervais. 1,739,481; Dec. 10.
 Tire wheel, Dual. F. S. Davis. 1,739,127; Dec. 10.
 Titanium dioxide, Manufacture of. F. Doerlueckel and L. Mehler. 1,738,765; Dec. 10.
 Toaster. M. Bersted. Des. 80,071; Dec. 10.
 Toaster. E. M. Strader. 1,738,972; Dec. 10.
 Toaster, Electric. J. F. Dirzuweit. 1,739,128; Dec. 10.
 Toaster, Electric. R. B. Lincoln. 1,739,155; Dec. 10.
 Toilet seat. D. E. Justus. 1,739,001; Dec. 10.
 Tool, Combination. A. I. Cillske. 1,739,440; Dec. 10.
 Tool, Combination fishing. R. C. Baker. 1,738,937; Dec. 10.

Tool for use in deep wells, Outside fishing. E. H. Newkirk. 1,738,789; Dec. 10.
 Tool, Gardening. H. Wagner. 1,739,489; Dec. 10.
 Tool, Jack. H. E. White. 1,738,879; Dec. 10.
 Tool, Offset overshot. G. J. Cormier. 1,738,819; Dec. 10.
 Tool, Pneumatic. F. L. O. Wadsworth. 1,739,338; Dec. 10.
 Tool, Railway-track-aligning. C. A. Goff. 1,739,453; Dec. 10.
 Toothbrush. W. M. Neissl. 1,739,324; Dec. 10.
 Toy. H. Müller. 1,738,604; Dec. 10.
 Toy. K. Sahara. 1,739,329; Dec. 10.
 Toy. W. I. Smith. 1,739,098; Dec. 10.
 Toy gun and projectile. N. Baldwin. 1,738,938; Dec. 10.
 Tractor. J. H. McCollough. 1,738,784; Dec. 10.
 Trailer-hitch attachment, Automobile. C. P. Hansen. 1,739,456; Dec. 10.
 Train control, Alternating-current intermittent-induction-type. A. G. Shaver. 1,738,736; Dec. 10.
 Train control, Intermittent induction-type. A. G. Shaver. 1,738,737; Dec. 10.
 Train-control system. T. Bodde. 1,739,120; Dec. 10.
 Train-line coupling, Electric. A. C. Savage. 1,739,421; Dec. 10.
 Transferrer arms, Revolver for regularly-moving. O. V. Payne. 1,739,172; Dec. 10.
 Transmission. T. L. Fawick. 1,738,697; Dec. 10.
 Transmission, Ball. G. S. Morison. 1,738,662; Dec. 10.
 Transmission mechanism. C. Pulliam. 1,739,417; Dec. 10.
 Transmission mechanism, Motor-vehicle. W. Doblhoff. 1,739,129; Dec. 10.
 Transmission, Variable-speed. G. B. Reina. 1,738,965; Dec. 10.
 Transmitting the speech by high-frequency waves. W. E. E. Habann. 1,739,455; Dec. 10.
 Transport device for damaged vehicles. A. E. Lake. 1,739,364; Dec. 10.
 Trap: See—
 Dust trap. Steam trap.
 Trap. V. Westerlund. 1,738,623; Dec. 10.
 Tray. Ash. R. G. Fleming. 1,738,566; Dec. 10.
 Tray for soda fountains and the like, Service. J. M. McGinley. 1,738,535; Dec. 10.
 Treating electron-emission elements. S. Ruben. 1,739,044; Dec. 10.
 Treating fabrics. E. S. Chapin and A. H. Jacoby. 1,738,946; Dec. 10.
 Treating fabrics, Apparatus for. E. S. Chapin and A. H. Jacoby. 1,738,947; Dec. 10.
 Treating flouant materials. J. J. McKeon. 1,739,162; Dec. 10.
 Treating fruit and the like, Protectively. E. M. Brogden. 1,738,864; Dec. 10.
 Treating leather and producing leather articles. D. M. Strachen. 1,738,934; Dec. 10.
 Treating liquids, Apparatus for. A. Jensen. 1,738,953; Dec. 10.
 Trip hook. R. N. Lyon. 1,738,657; Dec. 10.
 Truck-centering device. J. G. Blunt. 1,739,283; Dec. 10.
 Truck for railroad vehicles. A. W. Bruce. 1,739,123; Dec. 10.
 Truck for removing house refuse. P. Schuberth. 1,739,183; Dec. 10.
 Tube: See—
 Electric tube. Vacuum tube.
 Typewriter and billing-machine ribbon. A. L. Vosburg. 1,739,191; Dec. 10.
 Typewriters, Copyholder for. E. McGill. 1,738,718; Dec. 10.
 Typewriters, Escapement mechanism for. B. Z. Goldenberg. 1,738,950; Dec. 10.
 Typewriting machine. J. A. B. Smith. 1,738,674; Dec. 10.
 Typewriting machine. R. W. Uhlig. 1,738,677; Dec. 10.
 Underreamer. E. A. Buchanan. 1,739,206; Dec. 10.
 Underreamer, Hydraulic rotary. W. B. Wigle. 1,738,860; Dec. 10.
 Unidirectional driving device. G. Constantinesco. 1,738,692; Dec. 10.
 Utensil, Oven. H. D. Benedict. 1,739,347; Dec. 10.
 Vacuum discharge device and using the same. A. Mutscheller. 1,738,960; Dec. 10.
 Vacuum tube. E. Y. Robinson. 1,739,420; Dec. 10.
 Vacuum-tube discharge device. A. Mutscheller. 1,738,959; Dec. 10.
 Valve. P. Pascale. 1,739,015; Dec. 10.
 Valve, Automatic shut-off. A. B. Case. 1,739,207; Dec. 10.
 Valve, End train-pipe. J. O. Brumbaugh. 1,738,690; Dec. 10.
 Valve, Float-ball. E. L. Stimson. 1,739,185; Dec. 10.
 Valve for pneumatic tires. P. M. Salerno. 1,738,927; Dec. 10.
 Valve for pneumatic tires, Automatic safety. D. E. Washington, 2d. 1,738,621; Dec. 10.
 Valve for rock drills. G. W. Hulshizer. 1,739,143; Dec. 10.
 Valve-grinding mechanism. G. F. Crompton. 1,738,694; Dec. 10.
 Valve, Multiple. E. R. Slagle. 1,739,378; Dec. 10.
 Valve, Relief. W. O. Webster. 1,739,430; Dec. 10.
 Valve-spring compressor. E. E. Easen. 1,739,391; Dec. 10.
 Valve, Steam. J. J. Ryan, jr. 1,739,261; Dec. 10.
 Vapor condensing and recovery device. A. E. Hesse. 1,738,773; Dec. 10.

Vapor electric device. L. D. J. A. Dunoyer and P. M. G. Toulon. 1,739,443; Dec. 10.
 Vapors, Method and apparatus for removing. H. W. Cowan. 1,738,641; Dec. 10.
 Vehicle. L. H. Campbell, Jr., and H. A. Knox. 1,738,523; Dec. 10.
 Vehicle, Child's. C. W. White. 1,738,858; Dec. 10.
 Vehicle control pedal, Motor. H. E. Hull. Rel7,520; Dec. 10.
 Vehicle, Folding. N. Straussler. 1,739,269; Dec. 10.
 Vehicle, Multiwheel road. R. B. Fageol. 1,739,450; Dec. 10.
 Vehicle spring. H. S. Chapin. 1,739,386; Dec. 10.
 Vehicles for suspension. C. M. Swingle. 1,738,852; Dec. 10.
 Vehicles, Torquing arrangement for tandem-axle. R. B. Fageol. 1,739,355; Dec. 10.
 Vending machine. R. B. Keehnell. 1,739,238; Dec. 10.
 Vending machine. L. W. Sargent. 1,738,616; Dec. 10.
 Vending machine, Automatic selective. O. W. Timm. 1,739,186; Dec. 10.
 Ventilator. L. and R. L. Simmons. 1,739,082; Dec. 10.
 Violins, Attachment for. G. R. Petit. 1,739,416; Dec. 10.
 Voltage-limiting arrangement for intermediate-circuit transmitters. O. Böhm. 1,738,684; Dec. 10.
 Wagon, Asparagus. C. W. Jarvis. 1,739,463; Dec. 10.
 Wall construction, Bulkhead. C. Weber. 1,739,108; Dec. 10.
 Wall structure. L. W. Ray. 1,738,842; Dec. 10.
 Washboiler. N. D. Goff. 1,739,454; Dec. 10.
 Washing machine. A. W. Altorfer. 1,738,753; Dec. 10.
 Washing machine, Electric. R. H. Marsh. 1,739,405; Dec. 10.
 Water heater. V. W. Dashnaw. 1,738,948; Dec. 10.
 Water heater. B. Giragosian. 1,739,138; Dec. 10.
 Water heater, Feed. A. Starr. 1,738,848; Dec. 10.
 Waterproofing. S. L. Willis and W. H. Woodford. 1,738,628; Dec. 10.
 Water-screen connection. J. Van Brunt and G. P. Jackson. 1,738,544; Dec. 10.
 Water-vapor-supply device for fuel charges of internal-combustion engines. P. L. Jones. 1,738,904; Dec. 10.
 Waxlike product and producing the same. W. L. Wright. 1,738,630; Dec. 10.

Webbing for suspenders, garters, and similar articles. A. Sheldon. Des. 80,093; Dec. 10.
 Web-dispensing device. L. H. Morin. 1,738,721; Dec. 10.
 Web-roll-controlling mechanism. H. V. Ball and R. D. Smalley. 1,739,116; Dec. 10.
 Weft detector, Side-slip. K. J. Unwin. 1,739,188; Dec. 10.
 Weighing and packaging machine. S. R. Howard. 1,739,072; Dec. 10.
 Welding apparatus. F. C. Leonard. 1,738,592; Dec. 10.
 Wheel: See—
 Expandable wheel. Tire wheel.
 Skate wheel.
 Wheel hold down. E. S. Evans and C. L. Snyder. 1,739,354; Dec. 10.
 Wheel lock, Automobile. G. A. Gillen. 1,738,699; Dec. 10.
 Whistle cup. C. B. Fowler. 1,739,451; Dec. 10.
 Winding apparatus. L. Stastney. 1,739,265; Dec. 10.
 Wind motor and ventilator. H. Diebel. 1,738,526; Dec. 10.
 Window and curtain roller construction. R. T. Axe. 1,739,203; Dec. 10.
 Window construction. A. Charlebois. 1,739,060; Dec. 10.
 Window for automobiles, Screened ventilating. H. C. Hart. 1,739,029; Dec. 10.
 Window, Hinged. L. Peschkes. 1,739,257; Dec. 10.
 Window screen. J. Watson. 1,739,429; Dec. 10.
 Window screen, Rolling. G. F. Sagers. 1,738,925; Dec. 10.
 Wiper, Windshield. R. E. Gearhart. 1,738,884; Dec. 10.
 Wiper, Windshield. K. A. Weber. 1,738,545; Dec. 10.
 Wire coils, Manufacturing. J. Majce. 1,739,246; Dec. 10.
 Wire-connecting lug with test contact. J. Sachs. 1,739,262; Dec. 10.
 Wire fabrics to fence or gate posts and the like, Fastening. S. Pivonski and F. J. Canitz, jr. 1,738,609; Dec. 10.
 Wire, Low-resistance permanent. A. H. Jackson. 1,738,828; Dec. 10.
 Wires, Identifying cabled. H. B. Jones. 1,738,710; Dec. 10.
 Wood, Bending. W. H. Bergmann. 1,739,281; Dec. 10.
 Woodworking machine. R. E. De Walt. 1,738,763; Dec. 10.
 Wrench: See—
 Jaw wrench.
 Wrench. A. C. Patch. 1,738,607; Dec. 10.
 Zinc, Production of. R. Lepsee. 1,738,910; Dec. 10.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 10, 1929

NOTE—First number—class, second number—subclass, third number—patent number.

1— 8 2: 1,738,806	25— 157: 1,738,956	51— 190: 1,739,271	80— 44: 1,739,174	104— 149: 1,739,330	123— 182: 1,739,064
13: 1,739,021	26— 50: 1,738,837	197: 1,739,294	81— 17: 1,738,822	105— 17: 1,738,650	124— 191: 1,739,180
18: 1,738,574	62: 1,739,071	278: 1,738,866	87: 1,738,607	132: 1,738,635	14: 1,738,938
56: 1,739,085	63: 1,738,700	6: 1,739,062	165: 1,739,182	174: 1,739,283	15: 1,738,874
14: 1,738,618	18: 1,739,126	64— 63: 1,738,833	82— 14: 1,739,268	192: 1,739,123	125— 23: 1,739,414
18: 1,739,013	26: 1,738,687	55— 22: 1,738,731	83— 8: 1,739,360	200: 1,738,703	126— 85: 1,739,199
88: 1,739,433	33: 1,738,799	47: 1,739,418	9: 1,739,487	1,739,223	309: 1,739,233
197: 1,738,638	60: 1,739,054	141: 1,738,795	11: 1,739,213	316: 1,739,321	344: 1,739,138
239: 1,739,346	84: 1,738,679	153: 1,738,661	62: 1,738,825	106— 5: 1,738,888	127— 46: 1,739,064
245: 1,738,605	90: R. 17,516	303: 1,739,336	269: 1,739,006	18: 1,739,460	128— 25: 1,738,708
56: 1,739,185	1,739,270	58— 56: 1,738,643	304: 1,739,416	107— 15: 1,738,935	26: 1,739,374
148: 1,739,163	86 3: 1,739,301	61— 39: 1,739,108	376: 1,739,011	108— 20: 1,738,578	233: 1,738,961
171: 1,739,078	95: 1,738,912	62— 1: 1,739,017	422: 1,739,275	23: 1,738,854	306: 1,739,146
235: 1,739,001	148: 1,738,885	95: R. 17,518	501: 1,739,065	110— 28: 1,738,636	129— 13: 1,738,585
249: 1,739,408	157 1: 1,738,567	119 5: 1,738,678	19: 1,738,630	32: 1,739,133	16: 1,739,202
5— 85: 1,738,758	165: 1,739,119	172: 1,738,879	88— 1: 1,739,289	40: 1,738,749	16 1: 1,738,087
8— 2: 1,739,162	30— 3: 1,739,413	179: 1,738,720	14: 1,739,373	98: 1,738,774	130— 27: 1,739,380
5: 1,738,690	31— 12: 1,738,280	64— 5: 1,739,053	16 8: 1,739,442	99: 1,738,527	131— 5: 1,739,334
1,738,946	32— 4: 1,738,463	8: 1,738,532	17: 1,738,999	104: 1,739,051	12: 1,738,554
1,738,978	33— 107: 1,739,485	89: 1,738,981	20: 1,739,027	147: 1,739,375	39: 1,738,615
1,739,475	133: 1,738,546	90: 1,738,962	22: 1,738,986	165: 1,739,135	51: 1,738,557
15: 1,738,947	134: 1,739,247	99: 1,739,390	24: 1,738,941	112— 34: 1,738,778	1,738,566
2: 1,739,289	193: 1,739,440	46: 1,739,457	26: 1,738,943	47: 1,739,244	1,738,693
87: 1,738,642	211: 1,738,791	65— 45: 1,739,363	28: 1,738,762	60: 1,739,241	1,739,230
104: 1,738,847	226: 1,739,251	66— 34: 1,738,787	41: 1,738,990	76: 1,738,868	132— 16: 1,738,732
17: 1,738,533	34— 6: 1,738,826	67— 7 1: 1,738,259	47: 1,738,606	1,739,059	32: 1,738,916
47: 1,738,587	26: 1,738,640	68— 10: 1,738,886	53: 1,739,049	80: 1,739,358	41: 1,738,681
83 5: 1,738,584	46: 1,738,550	110: 1,738,851	80— 36: 1,739,112	101: 1,739,397	1,738,754
123: 1,738,570	48: 1,738,520	67— 7 1: 1,738,259	40: 1,739,125	158: 1,738,631	1,739,301
135: 1,738,664	49: 1,738,520	68— 10: 1,738,886	11: 1,738,646	177: 1,739,080	81: 1,738,776
147: 1,738,598	36— 34: 1,738,715	12: 1,738,704	17: 1,739,197	178: 1,739,081	1: 1,738,776
14: 36: 1,739,103	71: 1,738,827	27: 1,738,845	18: 1,738,647	200: 1,738,559	1,738,906
15— 40: 1,738,541	1,738,829	30: 1,739,454	19: 1,739,412	219: 1,738,672	1,739,388
116: 1,738,993	1,739,405	69— 11: 1,738,818	19: 1,739,196	227: 1,738,644	24: 1,739,332
202: 1,739,324	76: 1,739,279	70— 129: 1,738,699	29: 1,739,465	241: 1,738,525	28: 1,738,996
253: 1,738,545	101: 1,738,707	72— 61: 1,738,614	33: 1,739,220	33: 1,739,220	36: 1,738,798
1,738,884	117: 1,739,473	101: 1,738,707	91— 12 6: 1,739,482	80: 1,738,612	49: 1,738,992
172: 1,739,157	118: 1,739,079	117: 1,739,473	45: 1,739,428	1,738,781	58: 1,738,760
191: 1,738,705	124: 1,738,832	118: 1,739,079	54: 1,738,738	109: 1,738,800	60: 1,738,716
15: 1,739,436	51: 1,739,105	124: 1,738,832	68: 1,738,976	114: 1,739,422	137— 13: 1,738,556
25: 1,739,214	54: 1,739,106	51: 1,739,105	70: 1,738,628	51: 1,739,326	21: 1,738,834
8: 1,739,458	54: 1,738,949	54: 1,738,949	1,738,794	210: 1,739,359	70: 1,738,836
50: 1,739,480	7: 1,738,693	7: 1,738,693	70 1: 1,738,991	18: 1,738,772	103: 1,738,809
58: 1,738,995	1,739,287	1,739,287	70 2: 1,739,056	34: 1,738,979	1,739,311
59: 1,738,696	1,738,693	1,738,693	40: 1,738,591	33: 1,739,033	104: 1,738,659
157: 1,738,796	1,738,771	1,738,771	43: 1,739,038	114: 1,739,284	139: 1,739,015
19— 4: 1,738,654	1,739,025	1,739,025	68: 1,739,300	1,739,285	140: 1,739,207
19: 1,738,792	1,739,050	1,739,050	8: 1,739,400	62: 1,739,481	156 5: 1,738,913
46: 1,739,257	1,739,310	1,739,310	36: 1,739,048	16: 1,739,387	160: 1,739,039
52 1: 1,739,090	1,738,512	1,738,512	3: 1,738,829	44: 1,738,685	139— 10: 1,739,169
74: 1,739,077	1,738,963	1,738,963	6: 1,738,571	74: 1,739,280	1,739,170
79: 1,738,775	1,739,318	1,739,318	7: 1,738,530	82: 1,739,335	25: 1,739,205
3: 1,739,432	29: 1,739,130	29: 1,739,130	15: 1,739,020	107: 1,738,581	27: 1,739,192
139: 1,738,882	34: 1,738,965	34: 1,738,965	47: 1,738,510	148: 1,739,227	74: 1,739,194
147: 1,738,600	38: 1,738,876	38: 1,738,876	68: 1,739,489	29: 1,738,718	77: 1,739,180
1,739,222	39: 1,738,877	39: 1,738,877	172: 1,739,327	48: 1,738,835	100: 1,739,232
4: 1,738,543	50: 1,738,882	50: 1,738,882	43: 1,739,082	7: 1,738,645	124: 1,739,171
7: 1,739,217	53: 1,738,662	53: 1,738,662	72: 1,738,526	9: 1,739,356	194: 1,739,184
11: 1,739,094	54: 1,738,909	54: 1,738,909	8: 1,738,964	10: 1,739,117	231: 1,739,172
59: 1,739,091	58: 1,738,697	58: 1,738,697	48: 1,739,459	1,739,141	232: 1,739,164
85: 1,738,930	1,738,788	1,738,788	19: 1,738,891	1,739,141	1,739,190
122: 1,738,797	1,739,098	1,739,098	114: 1,739,173	31: 1,739,338	1,739,209
182: 1,739,305	1,739,451	1,739,451	116: 1,739,264	134: 1,739,430	1,739,224
202: 1,738,765	47— 31: 1,739,426	47— 31: 1,739,426	133: 1,738,627	137: 1,738,549	1,739,225
207: 1,738,625	48— 74: 1,738,620	48— 74: 1,738,620	1,738,629	286: 1,739,188	266: 1,739,188
207: 1,738,625	180: 1,739,161	180: 1,739,161	287: 1,738,911	401: 1,739,181	401: 1,739,181
230: 1,739,230	5: 1,739,145	5: 1,739,145	381: 1,739,110	41: 1,739,401	140— 122: 1,738,812
233: 1,739,307	7: 1,739,208	7: 1,739,208	99: 1,739,196	73: 1,738,948	141— 9: 1,738,839
1,739,307	14: 1,739,140	14: 1,739,140	105: 1,738,872	234: 1,738,817	1,739,404
292: 1,738,804	33: 1,739,432	33: 1,739,432	108: 1,738,534	235: 1,738,544	143— 6: 1,738,763
23: 1,738,921	55: 1,738,923	55: 1,738,923	1,739,007	462: 1,738,849	159: 1,738,896
71: 1,738,561	65: 1,738,964	65: 1,738,964	1,739,221	484: 1,738,860	136: 1,738,906
1,739,464	14: 1,738,656	14: 1,738,656	1,738,361	493: 1,738,982	261: 1,739,281
73: 1,738,576	29: 1,738,656	29: 1,738,656	5: 1,739,085	11: 1,739,104	279: 1,739,088
74: 1,738,900	50: 1,738,656	50: 1,738,656	44: 1,739,086	25: 1,738,904	9: 1,738,922
206: 1,738,905	59: 1,738,656	59: 1,738,656	126: 1,739,139	50: 1,739,008	64: 1,738,918
1,739,023	64: 1,738,656	64: 1,738,656	128: 1,738,602	52: 1,739,317	91: 1,739,342
237: 1,738,767	106: 1,739,419	106: 1,739,419	150: 1,738,786	75: 1,739,255	102: 1,739,490
1,739,016	119: 1,738,730	119: 1,738,730	1,738,790	81: 1,739,273	182: 1,738,983
265: 1,738,579	183: 1,739,167	183: 1,739,167	232: 1,739,041	148: 1,739,118	215: 1,739,444
17: 1,738,665	158: 1,738,936	158: 1,738,936	233: 1,738,974	169: 1,738,610	149— 6: 1,738,934
45: 1,739,379	174: 1,738,873	174: 1,738,873	265: 1,738,824	179: 1,739,469	28: 1,738,802
118: 1,739,254			42: 1,738,983		40: 1,738,696
122: 1,738,221					151— 12: 1,739,410
142: 1,738,697					
153: 1,739,037					

151— 38: 1,739,476	177— 372: 1,738,531	196— 24: R. 17,517	226— 88: 1,738,803	251— 46: 1,739,261	272— 79: 1,738,987
152— 10: 1,739,370	178— 6: 1,739,312	163: 1,738,569	92: 1,739,101	252— 6: 1,738,565	273— 33: 1,738,596
11.5: 1,738,621	7: 1,738,673	43: 1,739,003	107: 1,739,252	254— 2: 1,738,622	87: 1,739,467
12: 1,738,927	29: 1,738,777	59: 1,738,755	5.7: 1,738,951	4: 1,738,924	134: 1,738,582
1,739,287	44: 1,738,536	84: 1,738,871	1,738,952	40: 1,739,111	152: 1,738,902
153— 14: 1,729,237	179— 6: 1,738,551	90: 1,738,713	41: 1,738,744	123: 1,738,769	274— 38: 1,739,201
2: 1,738,658	15: 1,739,455	112: 1,739,435	53: 1,738,782	186: 1,739,353	36: 1,738,668
15: 1,739,249	9: 1,738,931	116: 1,738,867	57: 1,738,779	190: 1,739,368	279— 106: 1,739,371
32: 1,739,488	15: 1,739,340	131: 1,739,369	72: 1,738,562	279— 33.44: 1,739,456	280— 33.44: 1,739,364
78: 1,739,040	17: 1,738,564	137: 1,738,878	1: 1,738,539	27: 1,739,204	89: 1,738,857
2: 1,739,322	18: 1,738,624	159: 1,738,764	23— 30: 1,738,553	71: R. 17,522	96.3: 1,738,583
26: 1,738,587	27: 1,739,178	201— 63: 1,738,529	234— 1: 1,738,589	74: 1,738,860	124: 1,739,450
42: 1,739,381	84: 1,738,519	76: 1,739,256	26: 1,738,808	76: 1,739,206	125: 1,739,463
155— 22: 1,738,858	100.1: 1,739,228	123: 1,738,743	99: 1,738,807	34: 1,738,843	179: 1,739,354
30: 1,739,260	109: R. 17,515	202— 1: 1,738,558	99: 1,738,807	37: 1,738,609	282— 12: 1,738,633
31: 1,739,366	115: 1,738,653	204— 5: 1,738,515	92: 1,738,816	23: 1,738,706	60: 1,738,676
169: 1,738,810	133: 1,738,968	206— 4: 1,739,425	92: 1,738,816	25: 1,738,773	67: 1,738,996
179: 1,738,831	159: 1,738,919	206— 9: 1,739,107	9: 1,739,058	43: 1,739,415	84: 1,739,915
1: 1,739,147	171: 1,739,005	205— 13: 1,738,748	26: 1,739,114	104: 1,739,415	91: 1,739,472
156— 14: 1,738,517	180— 9.1: 1,738,523	206— 4: 1,739,425	26: 1,739,114	127: 1,739,314	286— 26: 1,739,286
20: 1,739,382	22: 1,739,355	208— 44: 1,738,815	330: 1,739,158	137: 1,738,719	287— 52.06: 1,739,286
36: 1,738,925	44: 1,738,532	208— 59: 1,739,291	240— 1: 1,738,514	238: 1,738,914	288— 11: 1,739,341
39: 1,738,608	69: 1,738,805	208— 96: 1,738,855	3: 1,738,944	239: 1,738,848	290— 30: 1,738,540
4: 1,738,856	73: 1,739,129	209— 181: 1,739,474	4: 1,738,945	240: 1,739,018	37: 1,739,069
28: 1,738,881	90: 1,738,639	210— 121: 1,738,634	4: 1,738,912	241: 1,738,850	48: 1,739,470
46.5: 1,739,333	91: 1,738,655	210— 215: 1,738,739	1: 1,739,149	241: 1,738,850	166: 1,739,369
92: 1,739,069	161— 16: 1,739,155	210— 5: 1,738,521	75: 1,739,349	248— 11: 1,738,513	241: 1,739,047
164— 23: 1,738,637	29: 1,738,599	211— 55: 1,739,392	85: 1,739,066	248— 57: 1,739,235	338: 1,739,648
32: 1,738,547	32: 1,738,853	75: 1,738,753	7.35: 1,738,671	292— 164: 1,739,154	55: 1,739,074
91: 1,738,572	34: 1,739,267	74: 1,739,313	8.3: 1,738,770	292— 241: 1,739,047	1,739,218
110: 1,739,200	50: 1,739,063	86: 1,739,263	10.5: 1,738,725	293— 55: 1,739,074	1,739,236
167— 33: 1,738,740	72: 1,739,115	88: 1,738,821	41: 1,738,666	293— 55: 1,739,074	1,739,218
88: 1,738,590	60: 1,738,717	163: 1,738,869	45: 1,739,144	293— 55: 1,739,074	1,739,218
169— 14: 1,739,274	72: 1,739,115	179: 1,738,516	48.4: 1,739,179	293— 55: 1,739,074	1,739,218
23: 1,738,656	75: 1,738,756	212— 5: 1,738,747	61: 1,738,632	293— 55: 1,739,074	1,739,218
171— 97: 1,738,889	91: 1,739,014	213— 24: 1,738,723	62: 1,738,985	293— 55: 1,739,074	1,739,218
228: 1,739,445	91: 1,739,014	214— 1.1: 1,738,814	85: 1,738,632	293— 55: 1,739,074	1,739,218
252: 1,739,137	184— 18: 1,739,024	41: 1,738,939	107: 1,739,478	293— 55: 1,739,074	1,739,218
264: 1,739,166	35: 1,738,735	40: 1,739,392	25: 1,739,265	293— 55: 1,739,074	1,739,218
172— 126: 1,738,537	60: 1,738,560	67: 1,739,183	71: 1,738,838	293— 55: 1,739,074	1,739,218
237: 1,738,726	66: 1,739,076	125: 1,739,069	75: 1,739,116	293— 55: 1,739,074	1,739,218
173— 13: 1,738,828	68: 1,739,345	135: 1,739,175	130: 1,738,813	293— 55: 1,739,074	1,739,218
264: 1,739,012	185— 39: 1,739,113	215— 7: 1,739,434	161: 1,739,187	293— 55: 1,739,074	1,739,218
269: 1,739,262	1: 1,738,729	18: 1,739,393	2: 1,739,193	293— 55: 1,739,074	1,739,218
280: 1,739,293	52: 1,738,686	46: R. 17,521	12: 1,738,568	293— 55: 1,739,074	1,739,218
321: 1,738,875	126: 1,738,674	51: 1,739,348	14: 1,738,611	293— 55: 1,739,074	1,739,218
328: 1,738,711	33: 1,739,365	58: 1,739,288	30: 1,738,670	293— 55: 1,739,074	1,739,218
332: 1,738,970	71: 1,738,980	78: 1,739,357	30: 1,738,670	293— 55: 1,739,074	1,739,218
1: 1,739,421	78: 1,738,750	216— 20: 1,739,296	21: 1,738,903	293— 55: 1,739,074	1,739,218
356: 1,738,524	88: 1,739,132	219— 8: 1,738,573	63: 1,738,736	293— 55: 1,739,074	1,739,218
360: 1,739,010	110: 1,738,811	19: 1,739,128	1: 1,738,737	293— 55: 1,739,074	1,739,218
363: 1,738,709	130: 1,739,304	37: 1,738,663	20: 1,738,968	293— 55: 1,739,074	1,739,218
175— 21: 1,738,528	152: 1,738,675	40: 1,738,733	1,738,973	293— 55: 1,739,074	1,739,218
1,738,559	194: 1,738,708	44: 1,738,908	21: 1,739,124	293— 55: 1,739,074	1,739,218
1,739,052	309: 1,739,409	1: 1,739,240	25: 1,738,969	293— 55: 1,739,074	1,739,218
1,739,277	189— 1: 1,738,842	40: 1,738,863	87: 1,739,009	293— 55: 1,739,074	1,739,218
183: 1,738,710	19: 1,738,667	46: 1,739,121	15: K. 739,072	293— 55: 1,739,074	1,739,218
359: 1,739,246	43: 1,739,090	93: 1,739,339	59: 1,739,061	293— 55: 1,739,074	1,739,218
363: 1,739,443	107: 1,739,339	1: 1,738,861	17: 1,738,684	293— 55: 1,739,074	1,739,218
364: 1,739,917	138: 1,739,042	47.5: 1,739,296	20: 1,739,351	293— 55: 1,739,074	1,739,218
371: 1,739,036	139: 1,739,276	60: 1,738,728	27: 1,738,760	293— 55: 1,739,074	1,739,218
176— 31: 1,738,683	196— 16: 1,739,092	95: 1,739,477	27.5: 1,738,957	293— 55: 1,739,074	1,739,218
182: 1,739,234	48: 1,739,180	99: 1,739,437	1,739,044	293— 55: 1,739,074	1,739,218
177— 311: 1,738,651	100: 1,738,701	100: 1,738,701	1,739,420	293— 55: 1,739,074	1,739,218
1,739,010	31: 1,738,677	103: 1,739,196	34: 1,738,990	293— 55: 1,739,074	1,739,218
337: 1,738,975	82: 1,738,930	103: 1,739,196	35: 1,738,959	293— 55: 1,739,074	1,739,218
	151: 1,738,833	222— 7: 1,739,383	36: 1,739,165	293— 55: 1,739,074	1,739,218
	172: 1,739,191	226— 24: 1,739,034	1,739,296	293— 55: 1,739,074	1,739,218
	198— 7: 1,739,215	57: 1,738,511	251— 40: 1,738,690	293— 55: 1,739,074	1,739,218

U. S. GOVERNMENT PRINTING OFFICE: 1929

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Dec. 17, 1929

A.-B. Collan-Olje-Fabriken, T. Olsen, Stockholm, Sweden. Belting, hose, and packing, etc. 265,183; Dec. 17; Serial No. 268,269; published Sept. 17, 1929. Class 35.

Aerotrux Products Corporation, Los Angeles, Calif. Aeroplanes and structural parts thereof. 265,146; Dec. 17; Serial No. 288,162; published Oct. 8, 1929. Class 19.

Alhambra Cigar & Cigarette Manufacturing Company, Manila, P. I. Cigars and cigarettes. 265,118; Dec. 17; Serial No. 280,681; published Oct. 8, 1929. Class 17.

All Season Specialty Co., Chicago, Ill. Potato chips, crispettes. 265,190; Dec. 17; Serial No. 284,106; published Oct. 8, 1929. Class 46.

Alan, Roger S., assignor of one-half to Jessie W. Taylor, New York, N. Y. Toilet articles. 265,084; Dec. 17; Serial No. 287,221; published Sept. 24, 1929. Class 6.

Alleva, Pina E. C., doing business as E. Alleva, New York, N. Y. Eggs, cheese, olive oil, sweet butter, etc. 265,111; Dec. 17; Serial No. 287,323; published Oct. 8, 1929. Class 46.

American Crayon Company, The, Sandusky, Ohio. Ink composition. 265,238; Dec. 17. Class 11.

Apothecaries Hall Company, Waterbury, Conn. Repellants for destructive birds and small animals. 265,074; Dec. 17; Serial No. 280,143; published Oct. 8, 1929. Class 6.

Appell, D. S., doing business as D. S. Appell Products Co., Pleasanton, Wheeling, W. Va. Cleaning and polishing preparation. 265,131; Dec. 17; Serial No. 287,444; published Oct. 1, 1929. Class 16.

Arnau, Charles, Company, Minneapolis, Minn. Hair tonic. 265,215; Dec. 17; Serial No. 287,035; published Sept. 24, 1929. Class 6.

Bain, Ed. F., Tahlequah, Okla. Preparation for the relief of colds, etc. 265,076; Dec. 17; Serial No. 288,174; published Oct. 1, 1929. Class 6.

Banks, Charles L., doing business as Nar-O Company, St. Louis, Mo. Hair and scalp shampoo. 265,083; Dec. 17; Serial No. 287,230; published Oct. 1, 1929. Class 6.

Baugh and Sons Company, Philadelphia, Pa. Fertilizer. 265,083; Dec. 17; Serial No. 288,686; published Oct. 8, 1929. Class 10.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 265,241; Dec. 17; Serial No. 270,830; published Sept. 24, 1929. Class 6.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 265,251; Dec. 17. Class 39.

Bear Malt Products Company. (See Rubin, Henry.)

Belch, Paul F., Company, Chicago, Ill. Candy. 265,132; Dec. 17; Serial No. 287,231; published Oct. 1, 1929. Class 46.

Bennett Medicine Company, Springfield, Ill. General tonic. 265,137; Dec. 17; Serial No. 288,775; published Oct. 1, 1929. Class 6.

Berlin Laboratories, The. (See Ledet, Edward J.)

Berth Robert-Gross, Inc., New York, N. Y. Linen, cotton, and silk piece goods. 265,252; Dec. 17. Class 42.

Bishop & Company, Los Angeles, Calif. Candy. 265,194; Dec. 17; Serial No. 278,278; published Oct. 1, 1929. Class 46.

Blue Valley Creamery Company, Chicago, Ill. Butter. 265,061; Dec. 17; Serial No. 288,779; published Oct. 1, 1929. Class 46.

Bo-Kay Perfume Co., New York, N. Y. Talcum and face powder, perfumes, toilet water, etc. 265,130; Dec. 17; Serial No. 278,378; published May 21, 1929. Class 6.

Bon Kura Products Co., Lansing, Mich. Tonics and tonic laxatives. 265,199; Dec. 17; Serial No. 288,104; published Oct. 8, 1929. Class 6.

Bozeman Milling Company, The, Bozeman, to Montana Flour Mills Company, Great Falls, Harlowton, Lewistown, and Bozeman, Mont., successor. Wheat flour. 75,499; renewed Oct. 12, 1929.

Breslauer, Benjamin F., doing business as Thermofl Products, New York, N. Y. Hair tonics, shampoos, and preparation for the hair, scalp, and head. 265,171; Dec. 17; Serial No. 267,031; published Oct. 1, 1929. Class 6.

Briarcliff Lodge Hotel, Inc., Briarcliff Manor, N. Y. Eggs. 265,069; Dec. 17; Serial No. 287,234; published Oct. 1, 1929. Class 46.

British Emka Artificial Silk Company, Limited, London, England. Ribbons, materials, fabrics, knitted goods, and tricot. 265,176; Dec. 17; Serial No. 271,795; published July 9, 1929. Class 42.

Brown, Wm. H., Sons & Co., assignor to Matthew W. Ryan Sons & Co., Inc., New York, N. Y. Piece goods. 72,142; renewed Jan. 5, 1929.

Bruck's Nurses Outfitting Co., Inc., New York, N. Y. Nurses' uniforms. 265,155; Dec. 17; Serial No. 282,697; published Sept. 24, 1929. Class 39.

Bürgerliches Bräuhaus in Pilsen, Pilsen, Austria-Hungary. to Bürgerliches Bräuhaus in Pilsen, Pilsen, Czechoslovakia. Pilsen beer. 75,301; renewed Sept. 21, 1929.

Burgess Norton Mfg. Co., Geneva, Ill. Pistons, piston pins, etc. 265,243; Dec. 17. Class 23.

Bushey, Joseph S., doing business as Joseph S. Bushey Company, Los Angeles, Calif. Axle presses. 265,246; Dec. 17. Class 23.

Cambridge Medicine Company. (See Soneral, William.)

Candido, Joseph, Albany, N. Y. Chemical preparations. 265,136; Dec. 17; Serial No. 288,762; published Oct. 1, 1929. Class 6.

Central Pencil Co., Inc., New York, N. Y. Lead pencils. 265,247; Dec. 17. Class 37.

Champaign Chemical Co., Champaign, Ill. Medicinal preparation. 265,081; Dec. 17; Serial No. 287,908; published Oct. 1, 1929. Class 6.

Chemische Fabrik Stockhausen & Cie. (See Stockhausen, Julius, assignor.)

Chesterfield Shirt Company, Louisville, Ky. Men's and boys' dress and negligee shirts, pajamas, and night-shirts. 265,189; Dec. 17; Serial No. 262,597; published Oct. 1, 1929. Class 39.

Chrysler Corporation, Detroit, Mich. Automobiles and their structural parts. 265,103; Dec. 17; Serial No. 285,195; published Oct. 8, 1929. Class 19.

Chrysler Corporation, Detroit, Mich. Automobiles and their structural parts. 265,104; Dec. 17; Serial No. 285,193; published Oct. 8, 1929. Class 19.

Clark, Albert J., doing business as Clark's Dollar Store and Clark's Dollar Stores, Los Angeles, Calif. Games, toys, sporting goods. 265,248; Dec. 17. Class 22.

Clemente Jacques y Cia., Mexico, Mexico. Canned chiles. 265,185; Dec. 17; Serial No. 267,582; published Sept. 17, 1929. Class 46.

Cleveland Provision Company, The, Cleveland, Ohio. Lard, pork sausage, breakfast bacon, and hams. 75,503; renewed Oct. 12, 1929.

Combustion Engineering and Equipment Co., Inc., Baltimore, Md. Assembled appliances for coal-burning furnaces and automatic control devices. 265,151; Dec. 17; Serial No. 278,637; published Oct. 8, 1929. Class 34.

Conewago Textiles, Inc., Elizabethtown, Pa. Hosiery. 265,234; Dec. 17; Serial No. 286,551; published Oct. 1, 1929. Class 39.

Continental Steel Corporation, Kokomo and Indianapolis, Ind., and Canton, Ohio. Barbed wire. 265,100; Dec. 17; Serial No. 285,770; published Oct. 8, 1929. Class 13.

Cowiche Growers, Inc., Cowiche, Wash. Fresh deciduous fruits. 265,135; Dec. 17; Serial No. 288,784; published Oct. 1, 1929. Class 46.

Curl, R. O., Sibley, Iowa. Poultry medicine. 265,169; Dec. 17; Serial No. 270,830; published Sept. 24, 1929. Class 6.

Das, Mon M., doing business as Hindu Products Company, Chicago, Ill. Toilet preparations. 265,175; Dec. 17; Serial No. 273,393; published Oct. 1, 1929. Class 6.

Dilling & Company, Indianapolis, Ind. Candy. 265,139; Dec. 17; Serial No. 288,643; published Oct. 1, 1929. Class 46.

Douglas-Mack, Chas. Co., Inc., New York, N. Y. Clothing. 265,219; Dec. 17; Serial No. 288,295; published Sept. 24, 1929. Class 39.

Draper-Maryard Company, The, Plymouth, N. H. Basket balls. 265,097; Dec. 17; Serial No. 286,230; published Sept. 24, 1929. Class 22.

Dresden Drug Company. (See Hymer, Herbert A.)

Drew Cotton Seed Oil Mill, Monticello, Ark. Mixed fertilizer and cottonseed meal. 265,071; Dec. 17; Serial No. 286,930; published Oct. 1, 1929. Class 10.

Drylee Corporation of America, New York, N. Y., and Elizabeth, N. J. Carbon dioxide (CO₂). 265,134; Dec. 17; Serial No. 288,787; published Oct. 1, 1929. Class 6.

Durbocde Chemical and Machine Corporation, Portland, Ore. Insecticides and a chemical preparation. 265,209; Dec. 17; Serial No. 285,773; published Sept. 24, 1929. Class 6.

Easterlin, J. B., Jr., Montezuma, Ga. Fresh melons and peaches. 265,145; Dec. 17; Serial No. 288,182; published Oct. 1, 1929. Class 46.

Eau de Cologne & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepot von Ferd. Mühlens. (See Mühlens, Peter.)

Empire State Pickling Co., Phelps, N. Y. Canned sauerkraut. 265,102; Dec. 17; Serial No. 285,345; published Oct. 1, 1929. Class 46.

Eureka Suction Co., to Harry R. Priest, Loudonville, Ohio, successor. Dental suction cups. 76,909; renewed Feb. 22, 1930.

Factor, Max & Co., Los Angeles, Calif. Cosmetics. 265,225; Dec. 17; Serial No. 288,789; published Oct. 1, 1929. Class 6.

Ford Manufacturing Co., by change of name to Ford Roofing Products Company, Chicago, Ill. Certain named construction materials. 75,013; renewed Aug. 24, 1929.

Franco-Italian Packing

General Dyestuff Corporation, New York, N. Y. Chemical preparation. 265,082; Dec. 17; Serial No. 287,344; published Sept. 24, 1929. Class 6.

Glaser, Charles J., New York, N. Y. Pharmaceutical preparation. 265,080; Dec. 17; Serial No. 287,923; published Oct. 1, 1929. Class 6.

Glidden Food Products Company, The, Chicago, Ill. Sweetened fresh shred coconut. 265,107; Dec. 17; Serial No. 287,754; published Oct. 8, 1929. Class 46.

Good, James, Inc., Philadelphia, Pa. Insecticide. 265,211; Dec. 17; Serial No. 286,326; published Aug. 6, 1929. Class 6.

Gooderham, George H., doing business as Osmosol Limited, Toronto, Ontario, Canada. Medical compound. 265,193; Dec. 17; Serial No. 280,906; published May 28, 1929. Class 6.

Granger Calcium Products, Inc., Brooklyn, N. Y. Compound calcium tablets. 265,077; Dec. 17; Serial No. 288,016; published Sept. 24, 1929. Class 6.

Grant Dental Manufacturing Co., Detroit, Mich. Backings for artificial teeth. 265,242; Dec. 17; Serial No. 288,444. Class 44.

Hannak Laboratory, Inc., Stratford, Conn. Oil burners. 265,148; Dec. 17; Serial No. 287,870; published Oct. 8, 1929. Class 34.

Harris, Martha R., Indianapolis, Ind. Heel braces. 265,192; Dec. 17; Serial No. 283,503; published Oct. 8, 1929. Class 13.

Hauser, George, doing business as G. Hauser, New York, N. Y. Preparation used to produce a tan, etc. 265,230; Dec. 17; Serial No. 288,799; published Oct. 1, 1929. Class 6.

Hautz, John, doing business as John Hautz Chemical Company, Cleveland, Ohio. Paste cleaner. 265,245; Dec. 17; Serial No. 288,116; Dec. 17; Serial No. 281,832; published Oct. 1, 1929. Class 3.

Henrik Gahns Aktiebolag, Upsala and Stockholm, Sweden. Cosmetics and shampooing powder. 265,162; Dec. 17; Serial No. 278,690; published Sept. 24, 1929. Class 6.

Hens & Kelly Company, Buffalo, N. Y. Hosiery. 265,152; Dec. 17; Serial No. 284,734; published July 23, 1929. Class 39.

Heyden Chemical Works, The, assignor, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y. Certain chemical and pharmaceutical preparations. 72,247; renewed Jan. 12, 1929.

Heyden Chemical Works, The, assignor, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y. Bismuth bitartrate. 72,248; renewed Jan. 12, 1929.

Hilex Company, The, St. Paul, Minn. Liquid preparation. 265,184; Dec. 17; Serial No. 268,154; published Oct. 8, 1929. Class 6.

Hillman, David, Chicago, Ill. Medicine. 265,202; Dec. 17; Serial No. 288,708; published Oct. 8, 1929. Class 6.

Hinds Products Company, (See Das, Mon M.)

House of Tre-Jur, Inc., New York, N. Y. Face powder, rouge, cold cream, etc. 265,154; Dec. 17; Serial No. 282,559; published Oct. 1, 1929. Class 6.

House, Raymond G., doing business as Melrose Chemical Co., Wichita, Kans. Antiseptic powder. 265,091; Dec. 17; Serial No. 285,097; published Oct. 8, 1929. Class 6.

Hoyt, Josiah S., Grants Pass, Ore. Liniment, laxative tablets, catarrh powder, etc. 265,233; Dec. 17; Serial No. 285,818; published Sept. 24, 1929. Class 6.

Hymel, Herbert A., doing business as Dresden Drug Company, Detroit, Mich. Antiseptic solution. 265,203; Dec. 17; Serial No. 288,961; published Oct. 8, 1929. Class 6.

Ily-Tone Laboratories, Nashville, Tenn. Hairdressing preparation. 265,088; Dec. 17; Serial No. 287,142; published Sept. 24, 1929. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Chemical product. 265,228; Dec. 17; Serial No. 285,025; published Oct. 1, 1929. Class 6.

Industrial Home for the Blind, The, Brooklyn, N. Y. Brooms, mops, dusters, and brushes. 265,168; Dec. 17; Serial No. 270,846; published Oct. 8, 1929. Class 29.

Ingersoll Cream Cheese Company, Limited, Ingersoll, Ontario, Canada. Cheese. 265,163; Dec. 17; Serial No. 284,983; published Oct. 1, 1929. Class 46.

International Tobacco Company Limited, London, England. Tobacco, cigars, cigarettes, and snuff. 265,092; Dec. 17; Serial No. 289,152; published Oct. 8, 1929. Class 17.

Inter-Size Dress Co., Inc., New York, N. Y. Gowns, frocks, and dresses. 265,159; Dec. 17; Serial No. 280,498; published Sept. 24, 1929. Class 39.

Ivory Handle Company, Hope, Ark. Handles for hand tools. 265,115; Dec. 17; Serial No. 283,614; published Oct. 1, 1929. Class 23.

Jacobson, Reimers Co., San Francisco, Calif. Canned vegetables, canned fruits, spices, etc. 265,114; Dec. 17; Serial No. 285,099; published Oct. 1, 1929. Class 46.

Jansen, Lawrence, West Roxbury, Mass. Cigars. 265,072; Dec. 17; Serial No. 285,570; published Oct. 8, 1929. Class 17.

Jayne, Dr. D. & Son, Philadelphia, Pa. Medicinal preparation. 265,101; Dec. 17; Serial No. 285,519; published Oct. 1, 1929. Class 6.

Jorocco Dresses, Inc., New York, N. Y. Frocks and dresses. 265,220; Dec. 17; Serial No. 288,339; published Oct. 1, 1929. Class 39.

Junge Baking Company, Joplin, Mo. Bread, cakes, crackers, and candy. 265,164; Dec. 17; Serial No. 284,810; published Oct. 8, 1929. Class 46.

Kansas City Mill Products Co., Kansas City, Mo. Wheat flour and corn meal. 265,065; Dec. 17; Serial No. 288,560; published Oct. 1, 1929. Class 46.

Karlin Laboratories, Inc., New York, N. Y. Toilet preparations. 265,181; Dec. 17; Serial No. 259,807; published July 24, 1928. Class 6.

Karsteth, August, doing business as Luitpold-Werk Chemisch-Pharmaceutische Fabrik, Munich, Germany. Substance for the treatment of menstrual irregularities, etc. 265,124; Dec. 17; Serial No. 278,599; published Sept. 24, 1929. Class 6.

Karsteth, August, doing business as Luitpold-Werk Chemisch-Pharmaceutische Fabrik, Munich, Germany. Disinfectant. 265,125; Dec. 17; Serial No. 278,598; published Sept. 24, 1929. Class 6.

Kaufman, J. J., doing business as St. Bernard Tonic Co., Los Angeles, Calif. Medicinal tonic. 265,200; Dec. 17; Serial No. 288,423; published Oct. 8, 1929. Class 6.

Keller Heumann & Thompson Company, Inc., Rochester, N. Y. Suits. 265,222; Dec. 17; Serial No. 288,499; published Sept. 24, 1929. Class 39.

Kem Products Co., Inc., Newark, N. J. Preparations or compounds and solutions. 265,090; Dec. 17; Serial No. 285,275; published Oct. 8, 1929. Class 6.

Kemp, Edward F., Somerville, Mass. Candy, nuts, etc. 265,174; Dec. 17; Serial No. 265,659; published Oct. 8, 1929. Class 46.

Kemp, Edward F., Somerville, Mass. Candy, nuts, etc. 265,186; Dec. 17; Serial No. 265,653; published Oct. 8, 1929. Class 46.

Kodel Electric & Manufacturing Company, The, Cincinnati, Ohio. Clocks. 265,070; Dec. 17; Serial No. 287,191; published Oct. 8, 1929. Class 27.

Kurtz Bros., Clearfield, Pa. Tablets, composition books, etc. 265,244; Dec. 17; Serial No. 288,444. Class 44.

Lahart, Thomas G., doing business as Lahart Coffee Company, Nashville, Tenn. Coffee. 265,149; Dec. 17; Serial No. 287,759; published Oct. 1, 1929. Class 46.

Ledet, Edgard J., doing business as The Berlin Laboratories, New Orleans, La. Hair tonic. 265,191; Dec. 17; Serial No. 284,684; published Oct. 1, 1929. Class 6.

Lee, H. D., Mercantile Company, The, Salina, Kans., and Kansas City, Mo. Canned corn. 265,138; Dec. 17; Serial No. 288,711; published Oct. 1, 1929. Class 46.

Libby, McNeill & Libby, Chicago, Ill. Malt extract. 265,170; Dec. 17; Serial No. 273,822; published Oct. 8, 1929. Class 46.

Light Grain & Milling Co., The, Liberal, Kans. Wheat flour. 265,117; Dec. 17; Serial No. 283,285; published June 18, 1929. Class 46.

Lima, Joseph N., Chicago, Ill. Preparation for removing dandruff. 265,206; Dec. 17; Serial No. 285,462; published Oct. 1, 1929. Class 6.

Littlestown Canning Co., Inc., Littlestown, Pa. Canned vegetables. 265,141; Dec. 17; Serial No. 288,304; published Oct. 1, 1929. Class 46.

Lowe, Joe, Corporation, Brooklyn, N. Y. Doughnuts. 265,177; Dec. 17; Serial No. 271,397; published Oct. 1, 1929. Class 46.

Luitpold-Werk Chemisch-Pharmaceutische Fabrik, (See Karsteth, August.)

Mallinckrodt Chemicals Works, St. Louis, Mo., and Jersey City, N. J. Product for antiseptic healing and various other therapeutic and laboratory purposes. 265,223; Dec. 17; Serial No. 288,522; published Oct. 1, 1929. Class 6.

Mannheim, Abraham, Detroit, Mich. Cigars, cigarettes, cheroots, etc. 265,066; Dec. 17; Serial No. 288,506; published Oct. 1, 1929. Class 17.

Marshall Field & Company, Chicago, Ill. Boys' dress and flannel shirts, blouses, pajamas, and lumberjacks. 265,229; Dec. 17; Serial No. 285,351; published Oct. 1, 1929. Class 39.

Mayer, Herman, Co., Inc., Philadelphia, Pa. Metallic reflectors. 265,096; Dec. 17; Serial No. 286,691; published Oct. 8, 1929. Class 34.

Meléndez, José R., New York, N. Y. Medicine for perspiration. 265,089; Dec. 17; Serial No. 286,444; published Oct. 8, 1929. Class 6.

Mellier Drug Company, St. Louis, Mo., assignor to Mellier Company, Perfumer, New York, N. Y. Perfumes. 33,094-5; renewed June 20, 1929.

Melrose Chemical Co., (See House, Raymond G.)

Menthofite Co., The, (See Munroe, Louis A., Jr.)

Mexican Medicine Company, Inc., Los Angeles, Calif. Vegetable laxative. 265,210; Dec. 17; Serial No. 286,070; published Sept. 24, 1929. Class 6.

Monsanto Chemical Works, St. Louis, Mo. Acetanilid, acid salicylic, chloramine, etc. 265,126; Dec. 17; Serial No. 281,842; published Sept. 24, 1929. Class 6.

Monsanto Chemical Works, St. Louis, Mo. Plasticizers or softeners. 265,127; Dec. 17; Serial No. 280,931; published Sept. 24, 1929. Class 6.

Montana Flour Mills Company, (See Bozeman Milling Company, The.)

Morgan Belleek China Company, The, Canton, Ohio. Chinaware, pottery, semivitreous porcelain. 265,239; Dec. 17; Serial No. 288,339; published Oct. 1, 1929. Class 30.

Morrell Serum Co., Ottumwa, Iowa. Anthrax-cholera serum, hog-cholera virus. 265,214; Dec. 17; Serial No. 286,996; published Oct. 8, 1929. Class 6.

Müllhens, Peter, doing business as Eau de Cologne & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pierdepost von Ferd. Müllhens, Cologne-on-the-Rhine, Germany. Cosmetic preparations, beautifying preparations, perfumed creams. 265,197; Dec. 17; Serial No. 288,025; published Oct. 1, 1929. Class 6.

Munroe, Louis A., Jr., doing business as The Mentholite Co., Nashville, Tenn. Antiseptic, astringent, deodorant, etc. 265,205; Dec. 17; Serial No. 285,164; published Oct. 8, 1929. Class 6.

Nar-O Company, (See Banks, Charles L.)

National Adhesive Corporation, New York, N. Y. Adhesive pastes, glues, mucilage, etc. 265,059; Dec. 17; Serial No. 285,930; published Sept. 24, 1929. Class 6.

National Scientific Laboratories, (See Steel, Thomas D.)

Nesbitt Fruit Products, Inc., Los Angeles, Calif. Maltless beverages and crushed fruits, syrups, colors, etc., for soft drinks. 265,236; Dec. 17; Serial No. 288,444. Class 44.

Neuro Chemical Company, (See Van Name, Livingston C.)

New City Packing & Provision Co., Chicago, Ill. Corned beef, sausages, hams, and bacon. 265,099; Dec. 17; Serial No. 285,874; published Oct. 1, 1929. Class 46.

Nich Valley Laboratories Limited, The, New Hamburg, Ontario, Canada. General disinfectant. 265,123; Dec. 17; Serial No. 281,369; published Oct. 1, 1929. Class 6.

Northwestern Elevator & Mill Company, The, Toledo, Ohio. Cake flour. 265,106; Dec. 17; Serial No. 288,307; published Oct. 1, 1929. Class 46.

Novoltex, Inc., New York, N. Y. Cotton, silk, and cotton and silk fabrics. 265,237; Dec. 17; Serial No. 288,444. Class 44.

Numotiline, Inc., Chicago, Ill. Pharmaceutical product. 265,213; Dec. 17; Serial No. 286,382; published Oct. 8, 1929. Class 6.

O'Neill Oil Company, Milwaukee, Wis. Fluids. 265,187; Dec. 17; Serial No. 262,765; published May 8, 1928. Class 6.

Oney, D. B., doing business as D. B. Oney Remedy Co., Greenwich, Ohio. Cholera medicine, grub destroyer, and founder preparation for horses. 265,120; Dec. 17; Serial No. 284,816; published Oct. 8, 1929. Class 6.

Osgood, George H., Tacoma, Wash. Glues and glue bases. 265,062; Dec. 17; Serial No. 288,719; published Oct. 1, 1929. Class 5.

Osmo Company of America, Boston, Mass. Chemical compound. 265,198; Dec. 17; Serial No. 288,933; published Oct. 8, 1929. Class 6.

Osmosol Limited, (See Gooderham, George H.)

Ostro Research Laboratories, Inc., New York, N. Y. Medicinal diaminazo-benzol. 265,098; Dec. 17; Serial No. 285,933; published Oct. 1, 1929. Class 6.

Otto's Original Apple Chipz Company, Atlanta, Ga. Fried apple chips. 265,113; Dec. 17; Serial No. 285,747; published Oct. 8, 1929. Class 46.

Parker-Kaon Corporation, New York, N. Y. Drive screws, drive pins, screw nails, etc. 265,167; Dec. 17; Serial No. 270,940; published Oct. 8, 1929. Class 13.

Patterson Mutual Hosiery Mills, Inc., Paterson, N. J. Hosiery. 265,231; Dec. 17; Serial No. 285,423; published Sept. 24, 1929. Class 39.

Penick, S. B., & Company, New York, N. Y. Insecticide, deodorant, disinfectant, and perfume. 265,207; Dec. 17; Serial No. 285,764; published Oct. 1, 1929. Class 6.

Pinaud Incorporated, New York, N. Y. Perfume, toilet water, face powder, talcum, rouge, etc. 265,085-7; Dec. 17; Serial No. 287,202-4; published Oct. 1, 1929. Class 6.

Pinaud Incorporated, New York, N. Y. Dermatological and epidermal cream. 265,172-3; Dec. 17; Serial No. 266,092-4; published Oct. 8, 1929. Class 6.

Powell, A. L., Power Company Incorporated, The, Miles City, Mont., and Oak Park, Ill. Internal-combustion engines. 265,253; Dec. 17; Serial No. 288,444. Class 44.

Priest, Harry R., (See Eureka Suction Co.)

Provident Chemical Works, St. Louis, Mo. Chemical compound, an alkali. 265,216; Dec. 17; Serial No. 287,423; published Sept. 10, 1929. Class 4.

Quality Wafer & Specialty Co., (See Taccetta, Anthony.)

R-S-I Co., Lakeport, N. H. Medical preparations. 265,204; Dec. 17; Serial No. 289,164; published Oct. 8, 1929. Class 6.

Regal Products Co., New York, N. Y., and San Francisco, Calif. Deodorant. 265,160; Dec. 17; Serial No. 280,348; published Oct. 1, 1929. Class 6.

Richard Sons, doing business as Richard Sons & Co., Cologne-Lindenthal, Germany. Cacao, chocolate, dietetic foods, etc. 265,240; Dec. 17; Serial No. 288,444. Class 44.

Rick, Henry L., doing business as H. L. Rick Drug Company, Gallon, Ohio. Preparation for use as a rat exterminator. 265,079; Dec. 17; Serial No. 287,938; published Sept. 24, 1929. Class 6.

Riley, James S., doing business as Riley Medicine Company, Stedman, N. C. Medicinal preparation. 265,180; Dec. 17; Serial No. 273,938; published Oct. 1, 1929. Class 6.

Robinson Milling Co., The, Salina, Kans. Flour. 265,169; Dec. 17; Serial No. 287,598; published Oct. 1, 1929. Class 46.

Roper, Geo. D., Corporation, Rockford, Ill. Gas-stove lighting attachments. 265,155; Dec. 17; Serial No. 287,155; published Oct. 8, 1929. Class 34.

Rubin, Henry, doing business as Bear Malt Products Company, Brooklyn, N. Y. Malt extract. 265,112; Dec. 17; Serial No. 287,315; published Oct. 8, 1929. Class 46.

Ryan, Matthew W., Sons & Co., Inc., (See Brown, Wm. H., Son & Co., assignor.)

Safety Cylinder Valve Company, The, assignor, by mesne assignments, to Charles E. Schriedt, Mansfield, Ohio. Valves. 75,097; renewed Aug. 31, 1929.

St. Bernard Tonic Co., (See Kaufman, J. J.)

Sarnoff-Irving Hat Stores, Inc., New York, N. Y. Men's and women's coats. 265,157; Dec. 17; Serial No. 282,058; published Oct. 1, 1929. Class 39.

Schreidt, Charles E., (See Safety Cylinder Valve Company, The, assignor.)

Scotland, Bayard S., doing business as The 3 Minute Macaroni Co., Joliet, Ill. Macaroni. 265,250; Dec. 17; Serial No. 288,444. Class 44.

Sears, Roebuck and Co., Chicago, Ill. Corsets. 265,218; Dec. 17; Serial No. 287,844; published Sept. 10, 1929. Class 39.

Shellbrook Clothes, Inc., New York, N. Y. Suits, overcoats, and spring coats. 265,217; Dec. 17; Serial No. 287,499; published Sept. 24, 1929. Class 39.

Shurtine Co., Savannah, Ga. Preparation for ringworm, itch, etc. 265,140; Dec. 17; Serial No. 288,396; published Oct. 1, 1929. Class 6.

Sinclair Knitting Mills, Inc., New York, N. Y. Bathing suits. 265,221; Dec. 17; Serial No. 288,490; published Sept. 24, 1929. Class 39.

Smith-Douglass Company, Incorporated, Norfolk, Va. Fertilizers. 265,166; Dec. 17; Serial No. 271,363; published May 7, 1929. Class 10.

Societe Anonyme Enzel, Paris, France. Rouges, dentifrices, powders, etc. 265,182; Dec. 17; Serial No. 268,517; published Sept. 24, 1929. Class 6.

Societe Dailly et Cie., Paris, France. Candies and crystallized fruits. 265,195; Dec. 17; Serial No. 279,361; published Oct. 1, 1929. Class 46.

Southern, William, doing business as Cambridge Medicine Company, Cambridge, Minn. Patent medicine. 265,128; Dec. 17; Serial No. 280,674; published Sept. 24, 1929. Class 6.

Southern Milling Co., Augusta, Ga. Poultry foods. 265,119; Dec. 17; Serial No. 279,010; published Oct. 1, 1929. Class 46.

Southern Rice Sales Company, Inc., New York, N. Y. Rice. 265,060; Dec. 17; Serial No. 288,928; published Oct. 1, 1929. Class 46.

Southern Rice Sales Company, Inc., New York, N. Y. Rice. 265,093; Dec. 17; Serial No. 288,929; published Oct. 1, 1929. Class 46.

Sperry Flour Co., San Francisco, Calif. Cereal breakfast foods. 265,178; Dec. 17; Serial No. 262,181; published July 24, 1928. Class 46.

Spingarn, Harry J., New York, N. Y. Cigars, cigarettes, tobacco. 265,064; Dec. 17; Serial No. 288,623; published Oct. 8, 1929. Class 17.

Splintex Safety Glass Limited, Teddington, England. Articles made from safety glass. 265,094; Dec. 17; Serial No. 286,840; published Oct. 8, 1929. Class 19.

Spreckles Sugar Corporation, New York, N. Y. Sugar molded into cubes or tablets. 265,110; Dec. 17; Serial No. 287,548; published Oct. 8, 1929. Class 46.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. Insecticides, deodorants, and disinfectants. 265,142-4; Dec. 17; Serial Nos. 288,252-4; published Oct. 1, 1929. Class 6.

Steel, Thomas D., doing business as National Scientific Laboratories, Richmond, Va. Hairdressing, hair oil, shampoo, etc. 265,075; Dec. 17; Serial No. 288,401; published Oct. 8, 1929. Class 6.

Stockhausen, Julius, Crefeld, assignor to Chemische Fabrik Stockhausen & Cie., Crefeld, Germany. Resins. 74,747; renewed Aug. 3, 1929.

Strauss, J. B. & Co., New York, N. Y. Suits, coats, vests, etc. 265,188; Dec. 17; Serial No. 262,634; published July 31, 1928. Class 39.

Strauss & Neugass, Inc., New York, N. Y. Watchcases. 265,235; Dec. 17; Serial No. 288,444. Class 44.

Sunkist Frocks, Inc., New York, N. Y. Ladies' and misses' dresses. 265,153; Dec. 17; Serial No. 283,706; published Oct. 1, 1929. Class 39.

Sutcliffe & Case Co., Inc., Peoria, Ill. Compound for the relief of arterial hypertension. 265,201; Dec. 17; Serial No. 288,577; published Oct. 8, 1929. Class 6.

Taccetta, Anthony, doing business as Quality Wafer & Specialty Co., New York, N. Y. Sugar wafers. 265,067; Dec. 17; Serial No. 288,290; published Sept. 24, 1929. Class 46.

Taylor, Jessie W., (See Allan, Roger S.)

Thermoll Products, (See Breslau, Benjamin F.)

3 Minute Macaroni Co., The, (See Scotland, Bayard S.)

Toastle-Hot Inc., Akron, Ohio. Sandwiches. 265,073; Dec. 17; Serial No. 285,484; published Sept. 24, 1929. Class 46.

Tolk Medicine Co., (See Tolkow, I.)

Tolkow, I., doing business as Tolk Medicine Co., New York, N. Y. Preparation for the treatment of coughs, etc. 265,224; Dec. 17; Serial No. 285,124; published Sept. 24, 1929. Class 6.

Trickoffabrik J. Schiesser A.-G., Radolfzell, Baden, Germany. Underwear. 265,156; Dec. 17; Serial No. 282,324; published Oct. 1, 1929. Class 39.

United Drug Company, Boston, Mass. Cod-liver oil, bone-set, senna leaves, etc. 265,196; Dec. 17; Serial No. 287,319; published Oct. 8, 1929. Class 6.

Vacher, E. W., R. Ph., New Orleans, La. Dentifrice. 265,078; Dec. 17; Serial No. 287,948; published Sept. 24, 1929. Class 6.

Van Name, Livingston C., doing business as Neuro Chemical Company, West New Brighton, N. Y. Preparation for neuralgia, toothache, etc. 265,150; Dec. 17; Serial No. 287,551; published Oct. 1, 1929. Class 6.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Stabilizer for ice cream, sherbets, and ices. 265,165; Dec. 17; Serial No. 284,593; published July 16, 1929. Class 46.

Vlen-Ora Company, The, Artesia, N. Mex. Medicinal preparation. 265,161; Dec. 17; Serial No. 279,123; published Oct. 1, 1929. Class 6.

Wahl Company, The, Chicago, Ill. Combination vehicle step plate and luggage carrier. 265,095; Dec. 17; Serial No. 284,809; published Oct. 8, 1929. Class 19.

Wakle Products Corporation. (See Waskiewicz, John.)

Wandell, Gene, Kansas City, Mo. Waving fluid for finger-waving hair. 265,158; Dec. 17; Serial No. 281,581; published Oct. 1, 1929. Class 6.

Ward, Marguerita, Chicago, Ill. Cold cream, vanishing cream, bleaching cream, etc. 265,121; Dec. 17; Serial No. 284,280; published Oct. 8, 1929. Class 6.

Waskiewicz, John, doing business as Wakle Products Corporation, Bloomfield, N. J. Tonic. 265,122; Dec. 17; Serial No. 281,385; published Oct. 8, 1929. Class 6.

Wear, Charles, Allston, Mass. Baked rolls or loaves of bread. 265,249; Dec. 17. Class 46.

Weidlich Bros. Mfg. Co., The, Bridgeport, Conn. Pewter ware. 265,179; Dec. 17; Serial No. 276,591; published Oct. 8, 1929. Class 13.

Weill, David, Bronx, N. Y. Laxative. 265,129; Dec. 17; Serial No. 279,633; published May 7, 1929. Class 6.

Weissbrod, Emil, & Sons, Greenfield, Mass. Pocketbooks and bill folds. 265,105; Dec. 17; Serial No. 288,680; published Oct. 1, 1929. Class 3.

Western Oregon Packing Corporation, Corvallis, Oreg. Canned berries, fruits, and vegetables. 265,147; Dec. 17; Serial No. 287,986; published Oct. 1, 1929. Class 46.

Williams Drug Company, Inc., Little Rock, Ark. Preparation for foot ailments. 265,208; Dec. 17; Serial No. 285,765; published Sept. 24, 1929. Class 6.

Woosley Knitting Mills, Shelbyville, Tenn. Hosiery. 265,232; Dec. 17; Serial No. 285,723; published Oct. 1, 1929. Class 39.

Wyoth, John, & Brother, Incorporated, Philadelphia, Pa. Medicinal carminative and antacid. 265,212; Dec. 17; Serial No. 286,351; published Sept. 17, 1929. Class 6.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

Berney & Company, Walla Walla, Wash. Jolly Boy. For Prunes. 36,740; Dec. 17.

Bunnell, L. M., doing business as L. M. Bunnell Company, Detroit Lakes, Minn. Lindy Julep. For Soft Drink. 36,741; Dec. 17.

Cannon Mills, Inc., New York, N. Y. Cannon Lavenlawn Sheets. For Sheets. 36,742; Dec. 17.

Cannon Mills, Inc., New York, N. Y. Cannon Lavenlawn Pillow-Cases. For Pillowcases. 36,743; Dec. 17.

Cochrane, James A., Keokuk, Iowa. Lem-O for Pyorrhea—Uses of Lem-O Directions. For a Dental Preparation. 36,744; Dec. 17.

Cramer Remedy Company, Chicago, Ill. Cramer's. For Hair Tonic. 36,745; Dec. 17.

Gezon, J. & Co., Grand Rapids, Mich. Caput Ointment for Whooping Cough. For Ointment for Whooping Cough. 36,746; Dec. 17.

Gillilan, Lewis M., Salt Lake City, Utah. Berri Supreme the Best Strawberry Known Everbearing. For Strawberries. 36,747; Dec. 17.

Ideal Food Products Co. (See Menasha Products Company, The.)

Israel Erbes Orchard Co., Dayton, Wash. Sunny Brook. For Fresh Apples. 36,748; Dec. 17.

Jobbers Service Incorporated, Coldwater, Mich. Defiance Early June Peas. For Canned Peas. 36,749; Dec. 17.

Kemp, Edward F., Boston, Somerville, and Worcester, Mass. E. F. Kemp Signature Coffee. For Coffee. 36,750; Dec. 17.

Medical Specialties Co. Inc., The, East Orange, N. J. Solution of Sorptin. For Medicinal Preparation for Rheumatism, Rheumatoid Arthritis, and Neuritis. 36,751; Dec. 17.

Menasha Products Company, The, Chicago, assignor to Ideal Food Products Co., Peoria, Ill. Sunbeam. For Oleomargarine. 36,752; Dec. 17.

Nu-Foot Laboratories, Inc., New Orleans, La. Nu-Foot. For a Preparation for Treatment of Foot Diseases. 36,753; Dec. 17.

Porter, Burton W., Springfield, Mass. Mondoll. For Medicinal Preparation. 36,754; Dec. 17.

Restoria Corporation, Milwaukee, Wis. Restoria. For Medicine. 36,755; Dec. 17.

Shumofsky, Morris, Bridgeport, Conn. Morris Zeppelin Bread. For Bread. 36,756; Dec. 17.

Spanish American Fruit Co., Inc., Porto Rico, West Indies, and New York, N. Y. Grapefruit Hearts. For Canned Grapefruit. 36,757; Dec. 17.

Superior Laboratories, Inc., Milwaukee, Wis. A Superior Product. For a Medicinal Preparation for Stomach, Liver, Kidney, and Bowels. 36,758; Dec. 17.

Transogram Co. Inc., Brooklyn, N. Y. Orje The Mystic Prophet. For a Game. 36,759; Dec. 17.

Ward Baking Company, New York, N. Y. Dainty-Maid Bread. For Bread. 36,760; Dec. 17.

Ward Baking Company, New York, N. Y. Mother Hubbard Bread. For Bread. 36,761; Dec. 17.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

Bakeries Service Corporation, New York, N. Y. Ready-Sliced Wonder Bread. For Bread. 12,250; Dec. 17.

Balkett Radio Company, North Chicago, Ill. Introducing. For Radios. 12,251; Dec. 17.

Balkett Radio Company, North Chicago, Ill. Orders. For Radios. 12,252; Dec. 17.

Balkett Radio Company, North Chicago, Ill. More In-built Radio. For Radios. 12,253; Dec. 17.

Bamberger, L. & Co., Newark, N. J. Campus Center. For Sportswear, Ensembles and Coats, and Afternoon Frocks and Evening Frocks. 12,254; Dec. 17.

Goehring, Dr. Harry M., and Dr. H. Glen Hall, Pittsburgh, Pa. Foot and Shoe Normalizer. For Shoes. 12,255; Dec. 17.

Gotham Silk Hosiery Co., Inc., New York, N. Y. For Busy Feet. For Stockings. 12,256; Dec. 17.

Hall, Dr. H. Glen. (See Goehring, Dr. Harry M., and Hall.)

Liberty Wall Paper Co., Inc., Springfield, Mass. High Quality—Low Price. For Paint and Wall Paper. 12,257; Dec. 17.

Marcus & Company, New York, N. Y. A Matter of Moment. For Watches. 12,258; Dec. 17.

Marcus & Company, New York, N. Y. For She'll Have Rings on Her Fingers. For Rings. 12,259; Dec. 17.

Schmidt, G. F., Los Angeles, Calif. Vitaphone. For Electric Thermovibrator. 12,260; Dec. 17.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Air-Way Electric Appliance Corporation, Toledo, Ohio. Chemical compositions. 289,812; Dec. 17. Class 6.

All-gator Company, The, Wilmington, Del. and St. Louis, Mo. Waterproof clothing. 288,684; Dec. 17. Class 39.

Amalgamated Paint Company, New York, N. Y. Varnishes. 289,779; Dec. 17. Class 16.

American Grocery Company, Hoboken, N. J. Coffee, tea, cocoa, etc. 282,089; Dec. 17. Class 46.

American Slicing Machine Company, Chicago, Ill. Slicing machinery. 289,660; Dec. 17. Class 23.

American Steam Pump Company, Battle Creek, Mich. Automatically primed power pump units and pumping machinery and parts thereof. 291,109; Dec. 17. Class 23.

American Yvette Company, Inc., New York, N. Y. Face powder and lotions. 289,753; Dec. 17. Class 6.

Amies'te Asphalt Company of America, Philadelphia, Pa. Road-patching materials. 271,843; Dec. 17. Class 12.

Anderson-Frithard Oil Corporation, Oklahoma City, Okla. Petroleum by-product cut to specification. 291,422; Dec. 17. Class 6.

Audubon Wire Cloth Company, Audubon, N. J. Metal screening. 288,214; Dec. 17. Class 13.

Arrowhead Springs Beverage Company, Los Angeles, Calif. Carbonated beverages. 288,413; Dec. 17. Class 45.

Arrow Oil Company, The, Wooster, Ohio. Motor-lubricating oil. 276,944; Dec. 17. Class 15.

Ava Limited, Aldwych, London, England. Perfumed soap. 284,929; Dec. 17. Class 4.

Ballard & Ballard Co., Louisville, Ky. Wheat and self-rising flour. 292,151; Dec. 17. Class 40.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Barium Reduction Corporation, Charleston, W. Va. Sodium sulphide. 273,620; Dec. 17. Class 6.

Barlow and Grisler Mfg. Co., Brooklyn, N. Y. Hair restorer. 290,871; Dec. 17. Class 6.

Barnich, William C., doing business as Cheboygan Drug Company, Cheboygan, Mich. Medicinal preparation. 291,901; Dec. 17. Class 6.

Bates Manufacturing Company, The, West Orange, N. J. Numbering machines. 292,092; Dec. 17. Class 26.

Beaver Dam Bottling Company, Beaver Dam, Wis. Ginger ale and lemon soda. 291,812; Dec. 17. Class 45.

Bell Syndicate, Inc., The, New York, N. Y. Strips of humorous drawings. 290,933; Dec. 17. Class 38.

Bender, Matthew, & Company, Inc., Albany, N. Y. Reference book and directory for lawyers. 288,216; Dec. 17. Class 38.

Bergische Stahl-Industrie, Remscheid, Germany. Automobile wheels for pneumatic tires. 289,707; Dec. 17. Class 19.

Blue Diamond Cement Co., Los Angeles, Calif. Building cement. 289,497; Dec. 17. Class 12.

Bonat, Samuel, & Brother, New York, N. Y. Hair nets. 291,713; Dec. 17. Class 42.

Borst Engineering Corporation, Buffalo, N. Y. Automobile parts. 290,541; Dec. 17. Class 19.

Boutet, Charles, Paris, France. Cod-liver oil. 288,843; Dec. 17. Class 6.

Boye Needle Co., The, Chicago, Ill. Safety razor blades. 289,709; Dec. 17. Class 23.

Bratner, Edward M., New York, N. Y. Chemical preparation. 288,517; Dec. 17. Class 6.

Brink & Sons Inc., Chicago, Ill. Dressed poultry. 284,897; Dec. 17. Class 46.

Burns, John R., doing business as J. R. Burns Shoe Co., Endicott, N. Y. Boots, shoes, and slippers. 288,740; Dec. 17. Class 39.

Buzza Company Inc., The, Minneapolis, Minn. Cards. 291,319; Dec. 17. Class 38.

California Fruit Growers Exchange, Los Angeles, Calif. Citrus oils and citric acid. 262,797; Dec. 17. Class 6.

California Fruit Growers Exchange, Los Angeles, Calif. Citrus oils and citric acid. 282,770; Dec. 17. Class 6.

Cameo Costume and Dress Company, New York, N. Y. S. K. dresses. 290,301; Dec. 17. Class 39.

Carborundum Company, The, Niagara Falls, N. Y. Furnaces and parts thereof, muffles and parts thereof, etc. 282,021; Dec. 17. Class 34.

Carborundum Company, The, Niagara Falls, N. Y. Machines and machine attachments. 282,022; Dec. 17. Class 23.

Carborundum Company, The, Niagara Falls, N. Y. Abrasive paper and cloth, etc. 292,200; Dec. 17. Class 4.

Carliola, P., & Co., doing business as The Strick-O-Bread Co., Chicago, Ill. Bakery products. 285,012; Dec. 17. Class 46.

Carr, F. S., Company, Boston, Mass. Artificial leather. 290,818; Dec. 17. Class 50.

Central Fibre Co. Inc., South Gardiner, Me. Fibre flower-pots and cream bottles. 275,479; Dec. 17. Class 2.

Chandler, Annie, Toledo, Ohio. Paper wrappers for waste material. 290,995; Dec. 17. Class 2.

Cheboygan Drug Company. (See Barnich, William C.)

Childs, Jeffries & Co. Incorporated, Boston, Mass. Publications. 290,819; Dec. 17. Class 38.

Childs, Jeffries & Co. Incorporated, Boston, Mass. Publications. 291,114; Dec. 17. Class 38.

Cincinnati Victor Company, The, Cincinnati, Ohio. Combined lamp and fan standards. 288,220; Dec. 17. Class 34.

Cole, H. C., Milling Company, Chester, Ill. Wheat and self-rising flour. 288,038; Dec. 17. Class 40.

Colorado Floral Company, Inc., The, Denver, Colo. Fresh cucumbers. 290,744; Dec. 17. Class 46.

Co-operative Manager and Farmer, Minneapolis, Minn. Publication. 291,707; Dec. 17. Class 38.

Crofoot, J. B., Company, Chicago, Ill. Staples. 282,702; Dec. 17. Class 13.

Crystall Chemical Company, Inc., The, Bronx, N. Y. Face powders. 286,927; Dec. 17. Class 6.

Curtin-Howe Corporation, New York, N. Y. Poles, railroad cross-ties, and lumber treated with wood preservative. 290,209; Dec. 17. Class 12.

Cutino Company, The, Kansas City, Mo. Tooth paste and tooth powder. 289,391; Dec. 17. Class 6.

Dajan Chemical Company, Boston, Mass. Soaps, dry cleaners, etc. 278,282; Dec. 17. Class 4.

Dur-O-Lite Pencil Company, Chicago, Ill. Mechanical pencils. 287,698; Dec. 17. Class 37.

Edelson, Joseph, doing business as J. E. Auto Supply Company, Chicago, Ill. Inner tubes. 292,067; Dec. 17. Class 35.

Edwards, Perc., doing business as Standard Engineering & Lubricating Co., New York, N. Y. Preparation used for the purpose of eliminating and removing rust from boilers and steam pipes. 280,823; Dec. 17. Class 6.

El Campo Rice Milling Company, El Campo, Tex. Developing grains, starter mash, etc. 284,293; Dec. 17. Class 40.

Elevator Supplies Company, Inc., Hoboken, N. J. Sign-displaying apparatus. 286,675; Dec. 17. Class 26.

Elias-Katz Shoe Factories, Inc., Los Angeles, Calif. Shoes. 291,443; Dec. 17. Class 39.

Elka Noodle Corporation, Naspeth, N. Y. Egg noodles, egg barley, cut noodles, and flakes. 287,057; Dec. 17. Class 46.

Emily Shops, Inc., New York, N. Y. Hosiery. 291,501; Dec. 17. Class 39.

Empire Paper Company, Chicago, Ill. Papers. 291,000-1; Dec. 17. Class 37.

English Textile Manufacturing Company Limited, The, Manchester, England. Bags and sacks of cellulose fibre. 286,044; Dec. 17. Class 2.

Federal Furniture Factories, Inc., New York, N. Y. Beds, dressers, wardrobes, chests, vanities, bedroom chairs, etc. 289,458; Dec. 17. Class 32.

Federal Rubber Company, The, Chicago, Ill.; Cudahy, Wis.; and Chicopee Falls, Mass. Tire repair plugs. 289,887; Dec. 17. Class 35.

Federation of Sewage Works Associations, The, New York, N. Y. Magazine. 290,826; Dec. 17. Class 38.

Filene's, Wm., Sons Company, Boston, Mass. Lorgnettes and opera glasses, compasses, etc. 289,720; Dec. 17. Class 26.

Filene's, Wm., Sons Company, Boston, Mass. Cigar cutters, table and glass knives, carving sets, etc. 289,721; Dec. 17. Class 23.

Filene's, Wm., Sons Company, Boston, Mass. Coat, trousers, and suit hangers, pennants, tie racks, etc. 289,725; Dec. 17. Class 50.

Filene's, Wm., Sons Company, Boston, Mass. Cigar and cigarette holders, ash trays, pipes, etc. 289,730; Dec. 17. Class 8.

Filene's, Wm., Sons Company, Boston, Mass. Babies' and children's furniture, footstools, tables, magazine racks, etc. 289,734; Dec. 17. Class 32.

Filmagraph Corporation, South Easton, Mass. Cameras, picture projectors, parts thereof, and films. 290,122; Dec. 17. Class 26.

Finney, T. B., & Company, Limited, Cornbrook, Manchester, England. Bread. 290,749; Dec. 17. Class 46.

Firth-Sterling Steel Company, McKeesport, Pa. Tools. 287,290-1; Dec. 17. Class 23.

Florlan, Inc., Detroit, Mich. Shaving cream. 276,932; Dec. 17. Class 4.

Fort Howard Paper Company, Green Bay, Wis. Paper napkins, dollies, tablecloths, and towels. 277,537; Dec. 17. Class 37.

Foto-Fax, Inc., San Francisco, Calif. Photographs. 291,559; Dec. 17. Class 38.

Frutips, Incorporated, Milwaukee, Wis. Thickener for foods. 291,916; Dec. 17. Class 46.

Gager Lime Manufacturing Co., Sherwood and Chattanooga, Tenn. Lime. 290,507; Dec. 17. Class 12.

Galax Knitting Company, Galax, Va. Hosiery. 290,751; Dec. 17. Class 39.

Gifford, C. M., & Sons, San Diego, Calif. Olives. 291,448; Dec. 17. Class 46.

Gilman Paper Company, New York, N. Y. Paper bags. 286,877; Dec. 17. Class 2.

Gilmore, Follard F., doing business as F. F. Gilmore & Co., Boston, Mass. Diamond pointed, cutting, dressing, and turning tools. 290,569; Dec. 17. Class 23.

Glaser Shoe Company, San Francisco, Calif. Shoes. 287,250; Dec. 17. Class 39.

Glessner Company, The, Findlay, Ohio. Shaving soap. 282,238; Dec. 17. Class 4.

Glynn-Johnson Corporation, La Porte, Ind. Overhead door holders. 291,271; Dec. 17. Class 13.

Glynn-Johnson Corporation, La Porte, Ind. Door holders. 291,272; Dec. 17. Class 13.

Go-Far Cereal Mills, Fargo, N. Dak. Flour, cereal, corn meal, etc. 286,676; Dec. 17. Class 40.

Golden Goose Hamburger System, Tulsa, Okla. Sandwiches, tamales, and fresh vegetables. 273,296; Dec. 17. Class 46.

Greenholtz, Ben, New York, N. Y. Coats for sport and dress wear. 291,003; Dec. 17. Class 39.

Greenwald, M. L., doing business as The Scranton Knitting Mills, Scranton, Pa. Sweaters and bathing suits. 282,552; Dec. 17. Class 39.

Gruendler, Gustav J., Mfg. Co., Inc., St. Louis, Mo. Refrigerators and refrigerator cabinets. 290,806; Dec. 17. Class 31.

Gutmann, Ferdinand, & Co., Brooklyn, N. Y. Bottle and jar caps. 279,846; Dec. 17. Class 50.

Haas, Baruch & Company, Los Angeles, Calif. Table syrup. 287,816; Dec. 17. Class 46.

Hartman, Edward, Washington, Iowa. Ice cream. 291,334; Dec. 17. Class 46.

Hemlinway & Bartlett Silk Co., Watertown, Conn. Darning and mending silk and sewing silk. 285,712; Dec. 17. Class 43.

Hollywood Hair-Re-New Laboratories, Los Angeles, Calif. Preparation for shampooing the hair. 288,421; Dec. 17. Class 6.

Household Utilities Co., Chicago, Ill. Mentholated cream, hair pomade, talcum powder, etc. 291,454; Dec. 17. Class 6.

Imperial Sugar Co., Sugar Land, Tex. Cane sugar. 291,222; Dec. 17. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Independent Oil Men of America, Chicago, Ill. Publication. 291,300; Dec. 17. Class 38.
Indiana Quartered Oak Company, Long Island City, N. Y. Lumber. 291,274; Dec. 17. Class 12.
Industrial Cigar Company, Pittsburgh, Pa. Stogies. 285,778; Dec. 17. Class 17.
International Worsted Mills, New York, N. Y., and Methuen, Mass. Worsted goods in the piece. 288,559; Dec. 17. Class 42.
Italian Food Products Company, Inc., Long Beach, Calif. Canned fish. 267,963; Dec. 17. Class 46.
J. E. Auto Supply Company. (See Edelson, Joseph.)
Jaden, Fred I., doing business as F. Jaden Mfg. Co., Hastings, Nehr. Emery cutting cloth. 289,972; Dec. 17. Class 4.
Jaeger Company, Inc., The, New York, N. Y. Woolen rugs, woolen blankets. 291,771; Dec. 17. Class 42.
Jewish Biographical Bureau, Inc., New York, N. Y. Books. 291,458; Dec. 17. Class 38.
Joe Lowe Corporation, Brooklyn, N. Y. Doughnuts, crullers, and fried cakes. 280,338; Dec. 17. Class 46.
Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Ladies' shoes. 289,974; Dec. 17. Class 39.
Jolly John's Candy Company, Incorporated, New York, N. Y. Chocolate-coated candy bars. 273,105; Dec. 17. Class 46.
Kadota Flg Products Co., Los Angeles, Calif. Cereal breakfast food. 273,147; Dec. 17. Class 46.
Kensinger, Charles W., doing business as Servu Cleaner & Mfg. Co., Wilkesburg, Pa. Wall-paper cleaner. 291,774; Dec. 17. Class 4.
Kepner, C. D., Leather Co., Boston, Mass. Shoe leather. 290,839; Dec. 17. Class 1.
Key Boiler Equipment Co., Inc., East St. Louis, Ill. Waterproof pipe-joint compound. 290,516; Dec. 17. Class 12.
Knox Company, Kansas City, Mo. Cold tablets. 287,876; Dec. 17. Class 6.
Kobayashi, Zembel, Tokyo, Japan. Metallic and mechanical pencils. 289,306; Dec. 17. Class 37.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Washboards and clothespins. 288,137; Dec. 17. Class 24.
La Crosse Refining Company, La Crosse, Wis. Malt syrup. 277,300; Dec. 17. Class 46.
La Mode Garment Co., Inc., Chicago, Ill. Wearing apparel. 290,517; Dec. 17. Class 39.
Lamson Company, The, Syracuse, N. Y. Apparatus for conveying and transmitting merchandise, papers, and money. 290,184-5; Dec. 17. Class 23.
La Tourette, Willett J., doing business as Mob. Denver, Colo. Laxatives and compounds. 291,884; Dec. 17. Class 6.
Laurel Soap Manufacturing Co., Inc., Philadelphia, Pa. Soap, scouring compounds, etc. 291,278; Dec. 17. Class 4.
Leshner, Whitman & Co., Inc., New York, N. Y. Ladies' and misses' coats, suits, dresses, etc. 290,755; Dec. 17. Class 39.
Levy, Maurice, New York, N. Y. Sponges. 291,061; Dec. 17. Class 1.
Lightnin Chemical Company, The, Painesville, Ohio. Bowl cleaner. 284,580; Dec. 17. Class 4.
Louis Natural Hair Restorer Company, Jourdanon, Tex. Natural-hair restorer. 289,319; Dec. 17. Class 6.
Lowe, Joe, Corporation, Brooklyn, N. Y. Frozen confections and/or ice cream. 289,978; Dec. 17. Class 46.
Lowry, Albert J., Chicago, Ill. Series of volumes containing lectures and articles and other similar matter. 280,029; Oct. 17. Class 38.
Luebert, August G., Coatesville, Pa. Capsules for treating muscular pains and aches. 291,626; Dec. 17. Class 6.
Lushus Products Co., Chicago, Ill. Marmalades, honey, peaches, etc. 291,282; Dec. 17. Class 46.
MacPherson, Graham, New York, N. Y. Linen tablecloths and napkins. 289,469; Dec. 17. Class 42.
Madsen, Edward, & Sons, Chicago, Ill. Photographic prints and enlargements. 277,839; Dec. 17. Class 38.
Martin, Steve, St. Louis, Mo. Hair restorer and hair dye. 289,198; Dec. 17. Class 6.
Mason, William, (Leicester) Limited, Leicester, England. Boots, shoes, slippers, etc. 285,241; Dec. 17. Class 39.
May & Malone, Chicago, Ill. Catalogs. 291,063; Dec. 17. Class 38.
McClure & McIntosh, Limited, Glasgow, Scotland. Clothing. 289,034; Dec. 17. Class 39.
McKesson & Robbins, Incorporated, Bridgeport, Conn. Publication. 290,318; Dec. 17. Class 38.
McMath, John N., doing business as Rosemary Shelton Preparations, Upper Montclair, N. J. Skin cream, face powder, toilet water, etc. 291,462; Dec. 17. Class 6.
Melville Shoe Corporation, New York, N. Y. Hosiery. 289,956; Dec. 17. Class 39.
Metal Stampings Corporation, Streator, Ill. Combined smoking stand and humidifier. 289,639; Dec. 17. Class 32.
Micromatic Hone Corporation, Detroit, Mich. Rotary honing and grinding tools. 291,283-4; Dec. 17. Class 23.
Minnesota Chemical Co., Inc., The, St. Paul, Minn. Soap chips. 291,567; Dec. 17. Class 4.

Minnesota Chemical Co., Inc., The, St. Paul, Minn. Household cleaning product. 291,568; Dec. 17. Class 4.
Minnesota Chemical Co., Inc., The, St. Paul, Minn. Scouring powder. 291,569; Dec. 17. Class 4.
Minnesota Chemical Co., Inc., The, St. Paul, Minn. Soap powder. 291,571; Dec. 17. Class 4.
Mob. (See La Tourette, Willett J.)
Morris, E. Mfg. Co., Detroit, Mich. Razors and shears. 291,519; Dec. 17. Class 23.
Mühens, Ferd., Inc., New York, N. Y. Soaps and shaving cream. 289,797; Dec. 17. Class 4.
Nadox Co., The, New Rochelle, N. Y. Antacid digestant. 291,887; Dec. 17. Class 6.
National Radiator Corporation, Johnstown, Pa. Heating radiators. 283,887; Dec. 17. Class 34.
National Supply Company of Delaware, The, New York, N. Y. Oil-well tools and parts thereof. 282,873; Dec. 17. Class 23.
NEA Service, Inc., Cleveland, Ohio. Newspaper section. 290,660; Dec. 17. Class 38.
Nettles, Isaac, Detroit, Mich. Pedal-propelled vehicles. 288,030; Dec. 17. Class 19.
Newell Mfg. Co., Inc., The, Ogdensburg, N. Y. Metal curtain rods. 290,905; Dec. 17. Class 13.
Nocout Co., The. (See Sohn & O'Hara.)
North Bro's Mfg Co., Philadelphia, Pa. Automatic drills, ratchet screw drivers, countersinks, etc. 291,134; Dec. 17. Class 23.
Northwest Paper Company, The, Cloquet, Minn. Wrapping and envelope paper and paperboard lining. 282,823; Dec. 17. Class 37.
NuGrape Company of America, Atlanta, Ga. Maltless beverages. 291,171; Dec. 17. Class 45.
Olds, Wortman and King. (See Schlesinger, B. F., & Sons.)
P. C. Laboratory, The. (See Pease, Wilbert E.)
P. & S. Shoe Company, New York, N. Y. Shoes. 287,360; Dec. 17. Class 39.
Paas Dye Company, Newark, N. J. Dyes. 290,792; Dec. 17. Class 6.
Pependick Bakery Co., St. Louis, Mo. Rolls. 291,067; Dec. 17. Class 46.
Para Rubber Company, Newark, N. J. Shower curtains. 288,449; Dec. 17. Class 13.
Pargrip Company, The. (See Salm, John E.)
Paul, A., & Sons, Inc., New York, N. Y. Fur garments. 289,899; Dec. 17. Class 39.
Pease, Wilbert E., doing business as The P. C. Laboratory, Chicago, Ill. Hair pomade and blemish cream. 290,029; Dec. 17. Class 6.
Penberthy Injector Company, Detroit, Mich. Valves. 284,870; Dec. 17. Class 13.
Penn Limousine Service, Philadelphia, Pa. Automobiles and structural parts thereof. 287,686; Dec. 17. Class 19.
Pep Boys—Manny, Moe & Jack, The, doing business as Varsity Products Company, Philadelphia, Pa. Liquid preparation for stopping leaks in radiators. 289,714; Dec. 17. Class 6.
Pillsbury Flour Mills Company, Minneapolis, Minn. Pancake flour. 291,933; Dec. 17. Class 46.
Plot, Louis J., Paris, France. Medicated cigarettes. 288,479; Dec. 17. Class 6.
Pomeroy, Limited, Mrs., Walham Green, London, and London, England. Lotions for the face and hands, hair, eyes, and feet, creams, etc. 291,527; Dec. 17. Class 6.
Pool Sales Company, Sherman, Tex. Work pants, work shirts, dress shirts, and hats. 290,763; Dec. 17. Class 39.
Puritan Malt Extract Co., assignor to Puritan Malt Extract Company, Chicago, Ill. Malt extracts. 267,387; Dec. 17. Class 46.
Pyroform Laboratories. (See Tinsky, Samuel.)
Quality Manufacturing Company, Asheville, N. C. Handkerchiefs. 290,426; Dec. 17. Class 42.
Rastetter, Louis, & Sons, Fort Wayne, Ind. Folding chairs. 279,684; Dec. 17. Class 32.
Reis, Robert, & Co., New York, N. Y. Pajamas. 291,638; Dec. 17. Class 39.
Rembrandt Lamp Corporation, Chicago, Ill. Lamp stands and bases. 282,133; Dec. 17. Class 32.
Rhodes Brothers. (See Schlesinger, B. F., & Sons.)
Rice, Trew & Rice Co., Inc., Biglerville, Pa. Paper liners for baskets. 290,909; Dec. 17. Class 2.
Ritter, W. M., Lumber Company, Columbus, Ohio. Lumber boards. 289,993; Dec. 17. Class 12.
Rogers Company, The, Seattle, Wash. Peanut butter. 291,477; Dec. 17. Class 46.
Roman Stripe Mills, Inc., Easton, Pa. Hosiery. 291,239; Dec. 17. Class 39.
Rosecliff Shirt Corporation, New York, N. Y. Men's dress shirts and ties. 290,603; Dec. 17. Class 39.
Russell's Mayonnaise Co., Inc., New York, N. Y. Salad dressings. 280,285; Dec. 17. Class 46.
Salm, John E., doing business as The Pargrip Company, Albany, N. Y. Antislipping preparation. 291,293; Dec. 17. Class 4.
Sawyer, Chester E., Company, Boston, Mass. Tooth paste. 291,531; Dec. 17. Class 6.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Schlesinger, B. F., & Sons, doing business as Olds, Wortman and King, and Rhodes Brothers, New York, N. Y., and San Francisco, Calif. Men's and young men's suits and overcoats. 290,606-7; Dec. 17. Class 39.
Scranton Knitting Mills, The. (See Greenwald, M. L.)
Self-Service Sales Corporation, Hartford, Conn. Handkerchiefs. 291,149; Dec. 17. Class 42.
Servu Cleaner & Mfg. Co. (See Kensinger, Charles W.)
Shelton, Rosemary, Preparations. (See McMath, John N.)
Sherwood Brass Works, Detroit, Mich. Ball cocks. 290,975; Dec. 17. Class 13.
Skinner Bros. Mfg. Co., Inc., St. Louis, Mo. Blower and coil-type indirect heaters. 290,324; Dec. 17. Class 34.
Snap-On Wrench Company, Chicago, Ill. Wrenches, wrench sets, tool handles, etc. 290,037; Dec. 17. Class 23.
Sohn & O'Hara, doing business as The Nocout Co., Baltimore, Md. Cold tablets, cough syrup, and liniment. 271,412; Dec. 17. Class 6.
Sprague Publishing Co., The, Detroit, Mich. Magazine. 291,533; Dec. 17. Class 38.
Stanco Incorporated, Wilmington, Del., and New York, N. Y. Cartons. 280,138; Dec. 17. Class 2.
Standard Engineering & Lubricating Co. (See Edwards, Perc.)
Stanley Film Advertising Company, New York, N. Y. Unitary apparatus for synchronous reproduction of light and sound effects through films and records. 291,180; Dec. 17. Class 26.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece. 286,138; Dec. 17. Class 42.
Stick-O-Bread Co., The. (See Carola, P., & Co.)
Stringer, Alfred E., Chicago, Ill. Metal pipes and fittings. 278,496; Dec. 17. Class 13.
Stringer Bros. Co., Inc., Chicago, Ill. Metal pipes and fittings. 282,011; Dec. 17. Class 13.
Sun Dial Sanitary Sales Co., Inc., New York, N. Y. Liquid germicide, insecticide, disinfectant, etc. 289,255; Dec. 17. Class 6.
Switana Watch Company Ltd., Grenchen, Switzerland. Watches and parts thereof. 291,365; Dec. 17. Class 27.
Thomas Manufacturing Company, The, Springfield, Ohio. Lawn mowers. 264,332; Dec. 17. Class 23.
Thomas Manufacturing Company, The, Springfield, Ohio. Lawn mowers. 264,334; Dec. 17. Class 23.
Tile & Mantel Contractors' Association of America, The, Wilmington, Del. Letterheads. 289,134; Dec. 17. Class 37.
Tinsky, Samuel, doing business as Pyroform Laboratories, New York, N. Y. Tooth paste and antiseptic liquid preparation. 285,121; Dec. 17. Class 6.
Tobacco Export Company, Inc., The, Clarksville, Tenn. Prepared leaf tobacco. 285,234-5; Dec. 17. Class 17.
Tonsor Company, The, St. Louis, Mo. Liquid preparation for shaving purposes. 291,641; Dec. 17. Class 4.
Tropenwerke Dinklage & Co., Cologne-Mulheim, Germany. Medicinal and pharmaceutical preparations. 289,604; Dec. 17. Class 6.
Tropenwerke Dinklage & Co., Cologne-Mulheim, Germany. Dietetic foods. 289,607; Dec. 17. Class 46.
Twining, E. S., & Co., New York, N. Y. Trousers, stockings, sweaters, and shirts. 284,550; Dec. 17. Class 39.
United Importers, Inc., Providence, R. I. Food products. 287,679; Dec. 17. Class 46.
United Purity Stores. (See Younglove Grocery Company.)
United States Gypsum Company, Chicago, Ill. Concrete molded products. 272,013; Dec. 17. Class 12.

United States Quarry Tile Co., East Sparta, Ohio. Quarry tile. 291,033; Dec. 17. Class 12.
United Wire and Supply Corporation, Providence, R. I. Small metal tube for conducting fluids. 285,539; Dec. 17. Class 13.
Uvalde Rock Asphalt Company, San Antonio, Tex. Natural-rock-asphalt paving preparation. 290,098; Dec. 17. Class 12.
Varsity Products Company. (See Pep Boys—Manny, Moe & Jack, The.)
Vermont Tea and Butter Co., Lawrence, Mass. Tea and coffee. 276,353; Dec. 17. Class 46.
Vulcan Match Co., Inc., New York, N. Y. Matches. 291,941; Dec. 17. Class 9.
Vulcan Match Co., Inc., New York, N. Y. Matches. 291,943; Dec. 17. Class 9.
Walter Fred Hosiery Mills Inc., Nashville, Pa. Hosiery. 291,212; Dec. 17. Class 39.
Wanamaker, John, New York, New York, N. Y. Shoes. 289,809; Dec. 17. Class 39.
Warner, Charles E., Oakland, Calif. Contract-bridge score pad. 289,003; Dec. 17. Class 37.
Webster, William A., Company, The, Memphis, Tenn. Shaving cream. 292,136; Dec. 17. Class 4.
Webster, William A., Company, The, Memphis, Tenn. Shaving cream. 292,138; Dec. 17. Class 4.
Webster, William A., Company, The, Memphis, Tenn. Shaving cream. 292,140-1; Dec. 17. Class 4.
Webster, William A., Company, The, Memphis, Tenn. Shaving cream. 292,144; Dec. 17. Class 4.
Welsbaum Bros. Brower Company, The, Cincinnati, Ohio. Neckties. 291,104; Dec. 17. Class 39.
Weiskittel, A. & Sons Co., Baltimore, Md. Cast-iron soil pipe and fittings. 290,639; Dec. 17. Class 13.
Welters, Edward A., Jacksonville, Fla. Perfumes and toilet waters. 291,650; Dec. 17. Class 6.
Western Shade Cloth Company, The, Chicago, Ill. Artificial leather. 271,521; Dec. 17. Class 50.
Whiffen & Sons Limited, London, England. Vegetable food substance. 286,142; Dec. 17. Class 46.
White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. 291,853-4; Dec. 17. Class 23.
White-Stokes Co., Inc., Chicago, Ill. Cake mixes for cakes and pastries. 291,307; Dec. 17. Class 46.
William Boardman & Sons Co., The, Hartford, Conn. Coffee. 287,447; Dec. 17. Class 46.
Windram Manufacturing Co., Boston and South Boston, Mass. Waterproof coats. 276,356; Dec. 17. Class 39.
Woll, F. P., & Company, Philadelphia, Pa. Hair for stuffing mattresses, furniture, and upholstery. 291,540-1; Dec. 17. Class 32.
Yaffe, Anna, doing business as Yaffe Company, Philadelphia, Pa. Medicinal remedy. 274,248; Dec. 17. Class 6.
Ychausti & Co., Manila, P. I. and San Francisco, Calif. Manila and Sisal rope and cordage. 291,102-3; Dec. 17. Class 7.
Younglove Grocery Company doing business as United Purity Stores, Tacoma, Wash. Fresh eggs. 282,332; Dec. 17. Class 46.
Zakont, Inc., Boston, Mass. Knitted sweaters and bathing suits. 291,752; Dec. 17. Class 39.
Zerbst Pharmaceutical Company Inc., St. Joseph, Mo. Preparation for the treatment of constipation, sour stomach, etc. 291,308; Dec. 17. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1
Resins. J. Stockhausen. 74,747; renewed Aug. 3, 1929.
CLASS 3
Cases, leather. J. A. Henckels. 265,116; Dec. 17; Serial No. 281,832; published Oct. 1, 1929.
Packer-books and bill folds. Emil Weissbrod & Sons. 265,105; Dec. 17; Serial No. 288,680; published Oct. 1, 1929.
CLASS 4
Chemical compound, an alkali. Provident Chemical Works. 265,216; Dec. 17; Serial No. 287,423; published Sept. 10, 1929.
Cleaner, paste. J. Hautz. 265,245; Dec. 17.
CLASS 5
Glues and glue bases. G. H. Osgood. 265,062; Dec. 17; Serial No. 288,719; published Oct. 1, 1929.
Pastes, glues, mucilage, etc. Adhesive, National Adhesive Corporation. 265,069; Dec. 17; Serial No. 285,930; published Sept. 24, 1929.
CLASS 6
Acetanilid, acid salicylic, chloramine, etc. Monsanto Chemical Works. 265,126; Dec. 17; Serial No. 281,842; published Sept. 24, 1929.

Antiseptic, astringent, deodorant, etc. L. A. Munroe, Jr. 265,205; Dec. 17; Serial No. 285,164; published Oct. 8, 1929.
Blomuth bituminate. Heyden Chemical Works. 72,248; renewed Jan. 12, 1929.
Calcium tablets, compound. Granger Calcium Products, Inc. 265,077; Dec. 17; Serial No. 288,016; published Sept. 24, 1929.
Carbon dioxide (CO₂). Dryice Corporation of America. 265,134; Dec. 17; Serial No. 288,787; published Oct. 1, 1929.
Chemical and pharmaceutical preparations, certain. Heyden Chemical Works. 72,247; renewed Jan. 12, 1929.
Chemical compound. Osmos Company of America. 265,198; Dec. 17; Serial No. 288,033; published Oct. 8, 1929.
Chemical preparation. General Dyestuff Corporation. 265,082; Dec. 17; Serial No. 287,344; published Sept. 24, 1929.
Chemical preparations. J. Candido. 265,136; Dec. 17; Serial No. 288,782; published Oct. 1, 1929.
Chemical product. I. G. Farbenindustrie Aktiengesellschaft. 265,228; Dec. 17; Serial No. 285,025; published Oct. 1, 1929.
Cold-her oil, boneset, senna leaves, etc. United Drug Company. 265,196; Dec. 17; Serial No. 287,319; published Oct. 8, 1929.

Compound for the relief of arterial hypertension. Sutliff & Case Co. 265,201; Dec. 17; Serial No. 288,577; published Oct. 8, 1929.

Cosmetic preparations, beautifying preparations, perfumed creams. P. Millhens. 265,197; Dec. 17; Serial No. 288,025; published Oct. 1, 1929.

Cosmetics. Max Factor & Co. 265,225; Dec. 17; Serial No. 288,789; published Oct. 1, 1929.

Cosmetics and shampooing powder. Henri's Gahns Aktiebolag. 265,162; Dec. 17; Serial No. 278,090; published Sept. 24, 1929.

Cream, etc., cold, vanishing, bleaching. M. Ward. 265,121; Dec. 17; Serial No. 284,280; published Oct. 8, 1929.

Cream, dermatological and epidermal. Pinaud Incorporated. 265,172-3; Dec. 17; Serial Nos. 266,093-4; published Oct. 8, 1929.

Dentifrice. E. W. Vacher. R. Ph. 265,078; Dec. 17; Serial No. 287,948; published Sept. 24, 1929.

Deodorant. Regal Products Co. 265,160; Dec. 17; Serial No. 280,348; published Oct. 1, 1929.

Disinfectant. A. Karreth. 265,125; Dec. 17; Serial No. 278,598; published Sept. 24, 1929.

Disinfectant, General. Nith Valley Laboratories Limited. 265,123; Dec. 17; Serial No. 281,369; published Oct. 1, 1929.

Fluids for filling cigar and cigarette lighters. O'Neill Oil Company. 265,187; Dec. 17; Serial No. 262,765; published May 8, 1928.

Hairdressing, hair oil, shampoo, etc. T. D. Steel. 265,075; Dec. 17; Serial No. 288,401; published Oct. 8, 1929.

Hair tonics, shampoos, and preparation for the hair, scalp, and head. B. F. Breslauer. 265,171; Dec. 17; Serial No. 267,031; published Oct. 1, 1929.

Insecticide. James Good, Inc. 265,211; Dec. 17; Serial No. 286,325; published Aug. 6, 1929.

Insecticide, deodorant, disinfectant, and perfume. S. B. Perick & Company. 265,207; Dec. 17; Serial No. 285,764; published Oct. 1, 1929.

Insecticides, and a chemical preparation. Durbicide Chemical and Machine Corporation. 265,209; Dec. 17; Serial No. 285,773; published Sept. 24, 1929.

Insecticides, deodorants, and disinfectants. Stanco Incorporated. 265,142-4; Dec. 17; Serial Nos. 288,252-4; published Oct. 1, 1929.

Laxative. D. Weill. 265,129; Dec. 17; Serial No. 279,633; published May 7, 1929.

Laxative, Vegetable. Mexican Medicine Company Inc. 265,210; Dec. 17; Serial No. 280,070; published Sept. 24, 1929.

Liniment, laxative tablets, catarrh powder, etc. J. S. Hopt. 265,233; Dec. 17; Serial No. 285,818; published Sept. 24, 1929.

Liquid preparation. Hilex Company. 265,184; Dec. 17; Serial No. 268,154; published Oct. 8, 1929.

Medical compound. G. H. Gooderham. 265,193; Dec. 17; Serial No. 280,906; published May 28, 1929.

Medical preparations. R. S. L. Co. 265,204; Dec. 17; Serial No. 289,164; published Oct. 8, 1929.

Medicinal carminative and antacid. John Wyeth & Brother, Incorporated. 265,212; Dec. 17; Serial No. 286,351; published Sept. 17, 1929.

Medicinal diamino-azo-benzol. Ostro Research Laboratories, Inc. 265,098; Dec. 17; Serial No. 285,933; published Oct. 1, 1929.

Medicinal preparation. Champaign Chemical Co. 265,081; Dec. 17; Serial No. 287,908; published Oct. 1, 1929.

Medicinal preparation. Dr. D. Jayne & Son. 265,101; Dec. 17; Serial No. 285,519; published Oct. 1, 1929.

Medicinal preparation. J. S. Riley. 265,180; Dec. 17; Serial No. 273,938; published Oct. 1, 1929.

Medicinal preparation. Vlen-Ora Company. 265,161; Dec. 17; Serial No. 279,123; published Oct. 1, 1929.

Medicine. D. Hillman. 265,202; Dec. 17; Serial No. 288,708; published Oct. 8, 1929.

Medicine, a grub destroyer, and founder preparation for horses. Cholera. D. B. Oney. 265,120; Dec. 17; Serial No. 284,816; published Oct. 8, 1929.

Medicine for perspiration. J. R. Melendez. 265,089; Dec. 17; Serial No. 286,444; published Oct. 8, 1929.

Medicine, Patent. W. Sonner. 265,128; Dec. 17; Serial No. 280,674; published Sept. 24, 1929.

Medicine, Poultry. R. O. Curl. 265,169; Dec. 17; Serial No. 270,830; published Sept. 24, 1929.

Perfume, toilet water, face powder, rouge, etc. Pinaud Incorporated. 265,085-7; Dec. 17; Serial Nos. 287,202-4; published Oct. 1, 1929.

Perfumes. Mellier Drug Company. 33,094-5; renewed June 20, 1929.

Pharmaceutical preparation. C. J. Glasel. 265,080; Dec. 17; Serial No. 287,923; published Oct. 1, 1929.

Pharmaceutical product. Numotizine, Inc. 265,213; Dec. 17; Serial No. 286,382; published Oct. 8, 1929.

Plasticizers or softeners. Monsanto Chemical Works. 265,127; Dec. 17; Serial No. 280,031; published Sept. 24, 1929.

Powder, Antiseptic. R. G. House. 265,091; Dec. 17; Serial No. 285,097; published Oct. 8, 1929.

Powder, rouge, cold cream, etc. House of Tre-Jur, Inc. 265,154; Dec. 17; Serial No. 282,859; published Oct. 1, 1929.

Preparation for colds, etc. E. F. Bain. 265,076; Dec. 17; Serial No. 288,174; published Oct. 1, 1929.

Preparation for foot ailments. Williams Drug Company. 265,208; Dec. 17; Serial No. 285,765; published Sept. 24, 1929.

Preparation for removing dandruff. J. N. Lima. 265,206; Dec. 17; Serial No. 285,462; published Oct. 1, 1929.

Preparation for ringworms, itch, etc. Shuptrine Co. 265,140; Dec. 17; Serial No. 288,396; published Oct. 1, 1929.

Preparation for the treatment of coughs, etc. I. Tolkow. 265,224; Dec. 17; Serial No. 285,124; published Sept. 24, 1929.

Preparation for use as a rat exterminator. H. L. Rick. 265,079; Dec. 17; Serial No. 287,938; published Sept. 24, 1929.

Preparation. Hairdressing. Hy-Tone Laboratories. 265,088; Dec. 17; Serial No. 287,142; published Sept. 24, 1929.

Preparation in powdered form for the treatment of neuralgia, toothache, etc. L. C. Van Name. 265,150; Dec. 17; Serial No. 287,551; published Oct. 1, 1929.

Preparation used to produce a tan and to encourage skin health. G. Hauser. 265,230; Dec. 17; Serial No. 288,799; published Oct. 1, 1929.

Preparations of compounds and solutions. Kem Products Co. Inc. 265,090; Dec. 17; Serial No. 285,275; published Oct. 8, 1929.

Product for antiseptic healing and various other therapeutic and laboratory purposes. Mallinckrodt Chemical Works. 265,223; Dec. 17; Serial No. 288,522; published Oct. 1, 1929.

Repellants for destructive birds and small animals. Apothecaries Hall Company. 265,074; Dec. 17; Serial No. 289,143; published Oct. 8, 1929.

Rouges, dentifrices, powders, etc. Societe Anonyme Enzel. 265,182; Dec. 17; Serial No. 268,517; published Sept. 24, 1929.

Serum, hog-cholera virus. Anthog-cholera. Morrell Serum Co. 265,214; Dec. 17; Serial No. 286,996; published Oct. 8, 1929.

Shampoo, Hair and scalp. C. L. Banks. 265,083; Dec. 17; Serial No. 287,230; published Oct. 1, 1929.

Solution, Antiseptic. H. A. Hymer. 265,203; Dec. 17; Serial No. 288,961; published Oct. 8, 1929.

Solvent, Liquid. H. H. Fries. 265,227; Dec. 17; Serial No. 288,795; published Oct. 1, 1929.

Substance for the treatment of menstrual irregularities, etc. A. Karreth. 265,124; Dec. 17; Serial No. 278,599; published Sept. 24, 1929.

Talcum and face powder, perfumes, toilet water, etc. Bo-Kay Perfume Co. 265,130; Dec. 17; Serial No. 278,378; published May 21, 1929.

Toilet articles. R. S. Allan. 265,084; Dec. 17; Serial No. 287,221; published Sept. 24, 1929.

Toilet preparation. M. M. Das. 265,175; Dec. 17; Serial No. 273,393; published Oct. 1, 1929.

Toilet preparations. Karlin Laboratories, Inc. 265,181; Dec. 17; Serial No. 259,807; published July 24, 1928.

Tonic. J. Waskiewicz. 265,125; Dec. 17; Serial No. 281,385; published Oct. 8, 1929.

Tonic, General. Bennett Medicine Company. 265,137; Dec. 17; Serial No. 288,775; published Oct. 1, 1929.

Tonic, Hair. Charles Arnau Company. 265,215; Dec. 17; Serial No. 287,035; published Sept. 24, 1929.

Tonic, Hair. B. J. Ledet. 265,191; Dec. 17; Serial No. 284,684; published Oct. 1, 1929.

Tonic, Medicinal. J. J. Kaufman. 265,200; Dec. 17; Serial No. 288,423; published Oct. 8, 1929.

Tonics and tonic laxatives. Bon Kura Products Co. 265,199; Dec. 17; Serial No. 288,104; published Oct. 8, 1929.

Waving fluid for finger waving hair. G. Wandell. 265,158; Dec. 17; Serial No. 281,581; published Oct. 1, 1929.

CLASS 10

Fertilizer. Raugh and Sons Company. 265,003; Dec. 17; Serial No. 288,686; published Oct. 8, 1929.

Fertilizer and for cottonseed meal. Mixed. Drew Cotton Seed Oil Mill. 265,071; Dec. 17; Serial No. 286,930; published Oct. 1, 1929.

Fertilizers. Smith-Houglass Company. 265,166; Dec. 17; Serial No. 271,363; published May 7, 1929.

CLASS 11

Ink composition. Soluble. American Crayon Company. 265,243; Dec. 17.

CLASS 12

Construction materials. Ford Manufacturing Co. 75,013; renewed Aug. 24, 1929.

CLASS 13

Braces, Heel. M. R. Harris. 265,192; Dec. 17; Serial No. 283,563; published Oct. 8, 1929.

Pewter ware. Weidlich Bros. Mfg. Co. 265,179; Dec. 17; Serial No. 276,591; published Oct. 8, 1929.

Screws, pins, screw nails, etc. Drive. Parker-Kalon Corporation. 265,167; Dec. 17; Serial No. 270,940; published Oct. 8, 1929.

Valves. Safety Cylinder Valve Company. 75,097; renewed Aug. 31, 1929.

Wire, Barbed. Continental Steel Corporation. 265,100; Dec. 17; Serial No. 285,770; published Oct. 8, 1929.

CLASS 16

Cleaning and polishing preparation. D. S. Appell. 265,131; Dec. 17; Serial No. 287,444; published Oct. 1, 1929.

CLASS 17

Cigars. L. Jansen. 265,072; Dec. 17; Serial No. 285,570; published Oct. 8, 1929.

Cigars and cigarettes. Alhambra Cigar & Cigarette Manufacturing Company. 265,118; Dec. 17; Serial No. 280,681; published Oct. 8, 1929.

Cigars, cigarettes, cheroots, etc. A. Mannheim. 265,066; Dec. 17; Serial No. 288,506; published Oct. 1, 1929.

Cigars, cigarettes, tobacco. H. J. Spingarn. 265,064; Dec. 17; Serial No. 288,023; published Oct. 8, 1929.

Tobacco, cigars, cigarettes, and snuff. International Tobacco Company Limited. 265,092; Dec. 17; Serial No. 289,152; published Oct. 8, 1929.

CLASS 19

Aeroplanes and structural parts thereof. Aerotrus Products Corporation. 265,145; Dec. 17; Serial No. 288,162; published Oct. 8, 1929.

Automobiles and their structural parts. Chrysler Corporation. 265,103; Dec. 17; Serial No. 285,195; published Oct. 8, 1929.

Automobiles and their structural parts. Chrysler Corporation. 265,104; Dec. 17; Serial No. 285,193; published Oct. 8, 1929.

Vehicle step plate and luggage carrier. Combination. Wahl Company. 265,095; Dec. 17; Serial No. 286,809; published Oct. 8, 1929.

Windows and wind screens for motor cars and other vehicles. Sphintex Safety Glass Limited. 265,094; Dec. 17; Serial No. 286,840; published Oct. 8, 1929.

CLASS 22

Balls, Basket. Draper-Maynard Company. 265,097; Dec. 17; Serial No. 286,230; published Sept. 24, 1929.

Games, toys, sporting goods. A. J. Clark. 265,248; Dec. 17.

CLASS 23

Axe presses. J. S. Bushey. 265,246; Dec. 17.

Engines, Internal-combustion. A. L. Powell Power Company Incorporated. 265,253; Dec. 17.

Handles for hand tools. Ivory Handle Company. 265,115; Dec. 17; Serial No. 283,614; published Oct. 1, 1929.

Pistons, piston pins, etc. Burgess Norton Mfg. Co. 265,243; Dec. 17.

CLASS 27

Clocks. Kodel Electric & Manufacturing Company. 265,070; Dec. 17; Serial No. 287,191; published Oct. 8, 1929.

Watchcases. Strauss & Neugass, Inc. 265,235; Dec. 17.

CLASS 29

Brooms, mops, duster, and brushes. Industrial Home for the Blind. 265,188; Dec. 17; Serial No. 270,846; published Oct. 8, 1929.

CLASS 30

Chinaaware, pottery, semivitreous porcelain. Morgan Bel-leck China Company. 265,239; Dec. 17.

CLASS 34

Appliances for coal-burning furnaces and automatic control devices. Assembled. Combustion Engineering and Equipment Co. Inc. 265,151; Dec. 17; Serial No. 278,637; published Oct. 8, 1929.

Burners, Oil. Hanak Laboratory, Inc. 265,148; Dec. 17; Serial No. 287,870; published Oct. 8, 1929.

Reflectors, Metallic. Herman Mayer Co. Inc. 265,096; Dec. 17; Serial No. 286,691; published Oct. 8, 1929.

Stove-lighting attachments, Gas. Geo. D. Roper Corporation. 265,133; Dec. 17; Serial No. 287,158; published Oct. 8, 1929.

CLASS 35

Belting, hose, and packing, etc. A-B. Collan-Ofje-Fabrikken, T. Olsen. 265,183; Dec. 17; Serial No. 268,269; published Sept. 17, 1929.

CLASS 37

Pencils, Lead. Central Pencil Co. 265,247; Dec. 17.

Tablets, composition books, etc. Kurtz Bros. 265,244; Dec. 17.

CLASS 39

Bathing suits. Sinclair Knitting Mills, Inc. 265,221; Dec. 17; Serial No. 288,490; published Sept. 24, 1929.

Coats, Men's and women's. Sarnoff-Irving Hat Stores, Inc. 265,157; Dec. 17; Serial No. 282,058; published Oct. 1, 1929.

Clothing. Chas. Douglas-Mack Co. Inc. 265,219; Dec. 17; Serial No. 288,295; published Sept. 24, 1929.

Corsets. Sears, Roebuck and Co. 265,218; Dec. 17; Serial No. 287,844; published Sept. 10, 1929.

Dresses, Ladies' and misses'. Sunkist Frocks, Inc. 265,153; Dec. 17; Serial No. 283,706; published Oct. 1, 1929.

Frocks and dresses. Joroco, Dresses, Inc. 265,220; Dec. 17; Serial No. 288,339; published Oct. 1, 1929.

Gowns, frocks, and dresses. Inter-Size Dress Co. Inc. 265,159; Dec. 17; Serial No. 280,498; published Sept. 24, 1929.

Hosiery. Bear Brand Hosiery Co. 265,241; Dec. 17.

Hosiery. Bear Brand Hosiery Co. 265,251; Dec. 17.

Hosiery. Conewago Textiles Inc. 265,234; Dec. 17; Serial No. 286,561; published Oct. 1, 1929.

Hosiery. Hens & Kelly Company. 265,152; Dec. 17; Serial No. 284,734; published July 23, 1929.

Hosiery. Paterson-Mutual Hosiery Mills, Inc. 265,231; Dec. 17; Serial No. 285,423; published Sept. 24, 1929.

Hosiery. Woolsey Knitting Mills. 265,232; Dec. 17; Serial No. 285,723; published Oct. 1, 1929.

Shirts, blouses, pajamas, and lumberjacks. Boys' dress and flannel. Marshall Field & Company. 265,229; Dec. 17; Serial No. 285,351; published Oct. 1, 1929.

Shirts, pajamas, and nightshirts. Men's and boys' dress and negligee. Chesterfield Shirt Company. 265,189; Dec. 17; Serial No. 262,597; published Oct. 1, 1929.

Suits. Keller Heumann & Thompson Company. 265,222; Dec. 17; Serial No. 288,499; published Sept. 24, 1929.

Suits, coats, vests, trousers, etc. Outer. J. B. Strauss & Co. 265,188; Dec. 17; Serial No. 262,634; published July 31, 1928.

Suits, overcoats, and spring coats. Shellbrook Clothes, Inc. 265,217; Dec. 17; Serial No. 287,499; published Sept. 24, 1929.

Underwear. Trikotfabriken J. Schiesser. 265,156; Dec. 17; Serial No. 282,324; published Oct. 1, 1929.

Uniforms, Nurses'. Bruck's Nurses Outfitting Co. Inc. 265,155; Dec. 17; Serial No. 282,697; published Sept. 24, 1929.

CLASS 42

Cotton, silk, and cotton and silk fabrics. Noveltex, Inc. 265,237; Dec. 17.

Goods, Piece. Wm. H. Brown Son & Co. 72,142; renewed Jan. 5, 1929.

Linen, cotton, and silk piece goods. Berth Robert-Gross, Inc. 265,252; Dec. 17.

Ribbons, materials, fabrics, knitted goods, and tricot. British Enka Artificial Silk Company. 265,176; Dec. 17; Serial No. 271,795; published July 9, 1929.

CLASS 44

Backings for artificial teeth. Grant Dental Manufacturing Co. 265,242; Dec. 17.

Dental suction cups. Eureka Suction Co. 76,909; renewed Feb. 22, 1930.

CLASS 45

Beverages and crushed fruits, syrups, colors, etc., for soft drinks, Maltless. Nesbitt Fruit Products, Inc. 265,236; Dec. 17.

CLASS 46

Apple chips, Fried. Otto's Original Apple Chipz Company. 265,113; Dec. 17; Serial No. 285,747; published Oct. 8, 1929.

Beef, sausages, hams, and bacon. Corned. New City Packing & Provision Co. 265,099; Dec. 17; Serial No. 285,874; Oct. 1, 1929.

Bread. General Baking Company. 265,108; Dec. 17; Serial No. 287,637; published Oct. 1, 1929.

Bread, cakes, crackers, and candy. Junge Baking Company. 265,164; Dec. 17; Serial No. 284,810; published Oct. 8, 1929.

Butter. Blue Valley Creamery Company. 265,061; Dec. 17; Serial No. 288,779; published Oct. 1, 1929.

Cacao, chocolate, dietetic foods, etc. Richard Sons. 265,240; Dec. 17.

Candies and crystallized fruits. Societe Dailly et Cie. 265,195; Dec. 17; Serial No. 279,361; published Oct. 1, 1929.

Candy. Paul F. Bech Company. 265,132; Dec. 17; Serial No. 287,231; published Oct. 1, 1929.

Candy. Bishop & Company. 265,194; Dec. 17; Serial No. 278,278; published Oct. 1, 1929.

Candy. Dilling & Company. 265,139; Dec. 17; Serial No. 288,643; published Oct. 1, 1929.

Candy, nuts, etc. E. F. Kemp. 265,174; Dec. 17; Serial No. 265,659; published Oct. 8, 1929.

Candy, nuts, etc. E. F. Kemp. 265,186; Dec. 17; Serial No. 265,653; published Oct. 8, 1929.

Canned berries, fruits, and vegetables. Western Oregon Packing Corporation. 265,147; Dec. 17; Serial No. 287,986; published Oct. 1, 1929.

Canned chiles. Clemente Jacques y Cia. 265,185; Dec. 17; Serial No. 267,582; published Sept. 17, 1929.

Canned corn. H. D. Lee Mercantile Company. 265,138; Dec. 17; Serial No. 288,711; published Oct. 1, 1929.

Canned fish. Franco-Italian Packing Co. 265,226; Dec. 17; Serial No. 288,792; published Oct. 1, 1929.

Canned sauerkraut. Empire State Pickling Co. 265,102; Dec. 17; Serial No. 285,345; published Oct. 1, 1929.

Canned vegetables. Littlestown Canning Co. Inc. 265,141; Dec. 17; Serial No. 288,304; published Oct. 1, 1929.

Canned vegetables, fruits, spices, etc. Jacobson, Reimers Co. 265,114; Dec. 17; Serial No. 285,090; published Oct. 1, 1929.

Cereal breakfast foods. Sperry Flour Co. 265,178; Dec. 17; Serial No. 262,131; published July 24, 1928.

Cheese. Ingersoll Cream Cheese Company. 265,163; Dec. 17; Serial No. 284,983; published Oct. 1, 1929.

Coconut, Sweetened fresh shred. Golden Food Products Company. 265,107; Dec. 17; Serial No. 287,754; published Oct. 8, 1929.

Coffee. T. G. Labart. 265,149; Dec. 17; Serial No. 287,759; published Oct. 1, 1929.

Doughnuts. Joe Lowe Corporation. 265,177; Dec. 17; Serial No. 271,397; published Oct. 1, 1929.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Eggs. Briarcliff Lodge Hotel, Inc. 265,069; Dec. 17; Serial No. 287,234; published Oct. 1, 1929.
Eggs, cheese, olive oil, sweet butter, etc. P. E. C. Alleya. 265,111; Dec. 17; Serial No. 287,323; published Oct. 8, 1929.
Extract, Malt. H. Rubin. 265,112; Dec. 17; Serial No. 287,315; published Oct. 8, 1929.
Extract, Malt. Libby, McNeill & Libby. 265,170; Dec. 17; Serial No. 273,822; published Oct. 8, 1929.
Flour. Robinson Milling Co. 265,109; Dec. 17; Serial No. 287,598; published Oct. 1, 1929.
Flour and corn meal, Wheat. Kansas City Mill Products Co. 265,065; Dec. 17; Serial No. 288,560; published Oct. 1, 1929.
Flour, Cake. Northwestern Elevator & Mill Company. 265,106; Dec. 17; Serial No. 288,307; published Oct. 1, 1929.
Flour, Wheat. Bozeman Milling Company. 75,499; renewed Oct. 12, 1929.
Flour, Wheat. W. E. Fuller. 265,068; Dec. 17; Serial No. 288,260; published Sept. 24, 1929.
Flour, Wheat. Light Grain & Milling Co. 265,117; Dec. 17; Serial No. 283,285; published June 18, 1929.
Foods, Poultry. Southern Milling Co. 265,119; Dec. 17; Serial No. 279,010; published Oct. 1, 1929.
Fruits, Fresh deciduous. Cowiche Growers, Inc. 265,135; Dec. 17; Serial No. 288,784; published Oct. 1, 1929.
Lard, pork sausage, breakfast bacon, and hams. Cleveland Provision Company. 75,503; renewed Oct. 12, 1929.

Macaroni. B. S. Scotland. 265,250; Dec. 17.
Melons and peaches, Fresh. J. B. Easterlin, Jr. 265,145; Dec. 17; Serial No. 288,182; published Oct. 1, 1929.
Potato chips, crispettes. All Season Specialty Co. 265,190; Dec. 17; Serial No. 284,106; published Oct. 8, 1929.
Rice. Southern Rice Sales Company. 265,060; Dec. 17; Serial No. 288,928; published Oct. 1, 1929.
Rice. Southern Rice Sales Company. 265,093; Dec. 17; Serial No. 288,929; published Oct. 1, 1929.
Rolls or loaves of bread, Baked. C. Wear. 265,249; Dec. 17.
Sandwiches. Toastie-Hot Inc. 265,073; Dec. 17; Serial No. 285,484; published Sept. 24, 1929.
Stabilizer for ice cream, sherbets, and ices. Virginia Dare Extract Company. 265,165; Dec. 17; Serial No. 284,595; published July 16, 1929.
Sugar molded into cubes or tablets. Spreckles Sugar Corporation. 265,110; Dec. 17; Serial No. 287,548; published Oct. 8, 1929.
Wafers, Sugar. A. Taccetta. 265,067; Dec. 17; Serial No. 288,290; published Sept. 24, 1929.

CLASS 48

Beer. Bürgerliches Bräuhaus in Pilsen. 75,301; renewed Sept. 21, 1929.

ALPHABETICAL LIST OF LABELS

A Superior Product. For a Medicinal Preparation for Stomach, Liver, Kidney, and Bowels. Superior Laboratories, Inc. 36,758; Dec. 17.
Berr's Supreme the Best Strawberry Known Everbearing. For Strawberries. L. M. Gillilan. 36,747; Dec. 17.
Cannon Lavenlawn Pillow-Cases. For Pillowcases. Cannon Mills, Inc. 36,743; Dec. 17.
Cannon Lavenlawn Sheets. For Sheets. Cannon Mills, Inc. 36,742; Dec. 17.
Caput Ointment for Whooping Cough. For Ointment for Whooping Cough. J. Gezon & Co. 36,746; Dec. 17.
Cramer's. For Hair Tonic. Cramer Remedy Company. 36,745; Dec. 17.
Dainty-Maid Bread. For Bread. Ward Baking Company. 36,760; Dec. 17.
Defiance Early June Peas. For Canned Peas. Jobbers Service Incorporated. 36,749; Dec. 17.
E. F. Kemp Signature Coffee. For Coffee. E. F. Kemp. 36,750; Dec. 17.
Grapefruit Hearts. For Canned Grapefruit. Spanish American Fruit Co. 36,757; Dec. 17.
Jolly Boy. For Prunes. Berney & Company. 36,740; Dec. 17.

Lem-O for Pyorrhea—Uses of Lem-O Directions. For a Dental Preparation. J. A. Cochrane. 36,744; Dec. 17.
Lindy Julep. For Soft Drink. L. M. Bunnell. 36,741; Dec. 17.
Mondoll. For Medicinal Preparation. B. W. Porter. 36,754; Dec. 17.
Morris Zoppellin Bread. For Bread. M. Shumofsky. 36,756; Dec. 17.
Mother Hubbard Bread. For Bread. Ward Baking Company. 36,761; Dec. 17.
Nu-Foot. For a Preparation for Treatment of Foot Diseases. Nu-Foot Laboratories, Inc. 36,753; Dec. 17.
Orle The Mystic Prophet. For a Game. Transogram Co. Inc. 36,759; Dec. 17.
Restoria. For Medicine. Restoria Corporation. 36,755; Dec. 17.
Solution of Sorptin. For Medicinal Preparation for Rheumatism, Rheumatoid Arthritis, and Neuritis. Medical Specialties Co. Inc. 36,751; Dec. 17.
Sunbeam. For Oleomargarine. Menasha Products Company. 36,752; Dec. 17.
Sunny Brook. For Fresh Apples. Israel Erbes Orchard Co. 36,748; Dec. 17.

ALPHABETICAL LIST OF PRINTS

A Matter of Moment. For Watches. Marcus & Company. 12,258; Dec. 17.
Campus Center. For Sportswear, Ensembles and Coats, and Afternoon Frocks and Evening Frocks. L. Bamberger & Co. 12,254; Dec. 17.
Foot and Shoe Normalizer. For Shoes. Dr. H. M. Goehring and Dr. H. G. Hall. 12,255; Dec. 17.
For Busy Feet. For Stockings. Gotham Silk Hosiery Co. 12,256; Dec. 17.
For She'll Have Rings on Her Fingers. For Rings. Marcus & Company. 12,259; Dec. 17.
High Quality—Low Price. For Paint and Wall Paper. Liberty Wall Paper Co. 12,257; Dec. 17.

Introducing. For Radios. Balkett Radio Company. 12,251; Dec. 17.
More In-Built Radio. For Radios. Balkett Radio Company. 12,253; Dec. 17.
Orders. For Radios. Balkett Radio Company. 12,252; Dec. 17.
Ready-Sliced Wonder Bread. For Bread. Bakeries Service Corporation. 12,250; Dec. 17.
Vitaphone. For Electric Thermo-Vibrator. G. F. Schmidt. 12,260; Dec. 17.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbe Engineering Co. (See Kleinfeldt, Henry F., assignor.)
Aborn, Edward, East Orange, N. J. Coffeepot. 1,740,136; Dec. 17.
Abramson, John H., assignor to Greenlee Bros. & Co., Rockford, Ill. Expansive bit. 1,740,055; Dec. 17.
Aetna Automatic Oil Burner, Incorporated. (See Scheninger, John, Jr., assignor.)
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Piezo-electric interference eliminator. 1,739,494; Dec. 17.
Agfa Ansco Corporation. (See Bornmann, Carl A., assignor.)
Ahlhelm, Edward C. (See Snyder, W. J., and Ahlhelm.)
Ajax Rubber Company. (See Dimmick, Walter W., assignor.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Holzel, Johannes, assignor.)
Albright, Sterling W., Racine, Wis. Retrograde-movement braking device for motor vehicles. 1,740,137; Dec. 17.
Aldridge, Blair G. (See Gard, E. W., Aldridge, and Multer.)
All-Cohen, Edward S., The Hague, Netherlands. Manufacture from latex of an artificial gutta-percha and a nonhygroscopic rubber. 1,739,566; Dec. 17.
Allen, Horace E., and W. F. Brown, assignors to Libbey-Owens Glass Company, Toledo, Ohio. Method and apparatus for forming sheet glass. 1,739,936; Dec. 17.
Allen, William Y., Berkeley, Calif. Device for joining cards. 1,740,215; Dec. 17.
Allis-Chalmers Manufacturing Company. (See Brown, Edwin H., assignor.)
Allis-Chalmers Manufacturing Company. (See Cheney, Herbert W., assignor.)
Allis-Chalmers Manufacturing Company. (See Dunblaton, Fred E., assignor.)
Allis-Chalmers Manufacturing Company. (See Earle, Ralph H., assignor.)
Allis-Chalmers Manufacturing Company. (See Gross, Emil, assignor.)
Allis-Chalmers Manufacturing Company. (See Hagmaler, W. G., and Shaw, assignors.)
Allis-Chalmers Manufacturing Company. (See Hall, Allan E., assignor.)
Allis-Chalmers Manufacturing Company. (See Kane, John J., assignor.)
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
Allis-Chalmers Manufacturing Company. (See Rheingans, William J., assignor.)
Allis-Chalmers Manufacturing Company. (See Schmidt, Franz, assignor.)
Allis-Chalmers Manufacturing Company. (See Steen, Charles W., assignor.)
Allis-Chalmers Manufacturing Company. (See Watson, William, assignor.)
Althoff, August W., Tulsa, Okla. Jacking and traversing attachment for motor vehicles. 1,740,385; Dec. 17.
Aluminum Company of America, The. (See Wilson, John H., assignor.)
American Bosch Magneto Corporation. (See Martin, John F., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Chain Company. (See Lyon, George A., assignor.)
American Chain Company. (See Reyburn, John R., assignor.)
American Laundry Machinery Company, The. (See Singler, John P., assignor.)
American Rolling Mill Company, The. (See Finkbone, Benjamin P., assignor.)
American Rolling Mill Company, The. (See Naugle, H. M., and Townsend, assignors.)
American Sheet and Tin Plate Company. (See Ingelfield, C. L., and Giles, assignors.)
American Sheet and Tin Plate Company. (See McArthur, Arthur R., assignor.)
American Sheet and Tin Plate Company. (See Moore, Carl E., assignor.)
American Signs Corporation. (See Schaefer, Frank, assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Nyquist, H., and Pfeiffer, assignors.)
American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
American Telephone and Telegraph Company. (See Taylor, Edmund R., assignor.)
Amesite Asphalt Company of America. (See Sadler, Samuel S., assignor.)
Amoskang Manufacturing Company. (See Baker, Archie G., assignor.)
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anchor Post Fence Company. (See Heyman, Benjamin, assignor.)
Anderson, Everett V., Tyler, Minn. Key case. 1,739,814; Dec. 17.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert E., assignor.)
Anderson, John C., Keyport, N. J. Frame for drying gelatin, glue, and the like. 1,739,567; Dec. 17.
Anderson, Neil J., Hermosa Beach, Calif. Skate-key-holding device. 1,740,138; Dec. 17.
Andrew, Richard E., Philadelphia, Pa. Safety device for submarines. 1,739,815; Dec. 17.
Andrews Crane Corporation. (See Andrews, D. S., and Wylie, assignors.)
Andrews Crane Corporation. (See Wylie, John R., assignor.)
Andrews, Donald S., Rumson, N. J., and J. R. Wylie, Glenbrook, Conn., assignors to Andrews Crane Corporation, New York, N. Y. Shipping container. 1,740,000; Dec. 17.
Appleton, Joseph, Oshkosh, assignor to Simplicity Manufacturing Company, Port Washington, Wis. Portable boring and grinding machine. 1,739,536; Dec. 17.
Aquatone Corporation. (See Kohn, Oscar, assignor.)
Argile, Benjamin F. (See Putney, Charles L., assignor.)
Armstrong, Charles C., Huntington, W. Va., assignor to The Armstrong Electric and Manufacturing Company. Time-control mechanism for electric stoves. 1,739,937; Dec. 17.
Armstrong Electric and Manufacturing Company, The. (See Armstrong, Charles C., assignor.)
Arnold, Ernest H., Cleveland, Ohio. Metal-wheel manufacture. 1,739,495; Dec. 17.
Arnoult, Roger J., Paris, France. Hood fastener. 1,740,325; Dec. 17.
Arroyo, José M., Salaverry, Peru. Hydrobicycle. 1,740,216; Dec. 17.
Arsem, William C., Schenectady, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Apparatus for the production of carbon monoxide. 1,740,139; Dec. 17.
Arsem, William C., Schenectady, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of formic acid. 1,740,140; Dec. 17.
Arsem, William C., Schenectady, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of formaldehyde. 1,740,141; Dec. 17.
Asada, Tsunesaburo. (See Nagaoka, H., Asada, and Machida.)
Aslakson, Baxter M., Chicago, Ill. Fuel pump and distributor. 1,739,747; Dec. 17.
Atkinson, Truman L., Ludington, Mich. Embroidery hoop. 1,740,142; Dec. 17.
Auburn, Hubert. (See Griffin, M., and Auburn.)
Augenstein, Karl C. (See Speidel, E. F., and Augenstein.)
August, Maurice J., Philadelphia, Pa. Auxiliary driving attachment for vehicles. 1,740,056; Dec. 17.
Ault, Horace B., Morristown, Tenn. Nonglare shield for headlights. 1,739,626; Dec. 17.
Austin, Clarence W., et al. (See Schmitz, Fred A., assignor.)
Austin, Dwight E., Los Angeles, Calif. Antisplash device for drinking cups and the like. 1,739,627; Dec. 17.
Auto Loading Device Manufacturing Company. (See Federman, George C., assignor.)
Auto Pneumatic Action Company. (See La Jole, Hubert J., assignor.)
Auto Specialties Manufacturing Company. (See Luckner, Millard B., assignor.)
Auto Strop Safety Razor Co. Inc. (See Schumacher, Conrad, assignor.)
Automatic Assorting Machine Company. (See Sousa, John R., assignor.)
Automatic Electric Inc. (See Jacobsen, Emil, assignor.)
Automatic Printing Devices Co. (See Berndt, R. F., and Halloran, assignors.)
Automatic Transportation Company, The. (See Carr, William C., assignor.)
Automatic Washer Company. (See Schroeder, Simon E., assignor.)

Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
 Babich, George G., New York, N. Y. Plant propagator. 1,740,057; Dec. 17.
 Baehr, George, McKeesport, Pa. Hollow roll. 1,739,939; Dec. 17.
 Bagley and Sewall Company, The. (See Valentine, Charles W., assignor.)
 Bahre, Carlos E., Buenos Aires, Argentina. Utilizing stem fibers. 1,739,491; Dec. 17.
 Bakelite Corporation. (See Schmidt, John H., assignor.)
 Baker, Archie G., assignor to Amoskeag Manufacturing Company, Manchester, N. H. Spool-cleaning machine. 1,739,775; Dec. 17.
 Baker, Harry L., Elmira, N. Y. Display cabinet. 1,740,326; Dec. 17.
 Baker, Harry L., Elmira, N. Y. Display cabinet. 1,740,327; Dec. 17.
 Baker, John A., South Shields, England. Railway-brake bracket. 1,739,776; Dec. 17.
 Baldwin, George R., Los Angeles, Calif. Pressure-alarm device. 1,739,568; Dec. 17.
 Balze, Paul. (See Mersfelder, F. J., and Balze.)
 Bangert, Willi. (See Patten, J., and Bangert.)
 Barber-Colman Company. (See Dewey, Ritchie P., assignor.)
 Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Device for eliminating the printing of impressions on impression-cylinder packings. 1,740,058; Dec. 17.
 Barlo Metal Corporation. (See Fink, C. G., and Lowe, assignor.)
 Barnes, Claude E., and J. A. Johnson, Poteau, Okla. Connecting-rod and piston construction. 1,739,705; Dec. 17.
 Barnett, John B., Holliday, Tex. Crane attachment for tractors. 1,739,938; Dec. 17.
 Barrett, Harold G., Wilmette, assignor to Pyratone Products Corporation, Chicago, Ill. Apparatus for and method of making tubular shafts for golf clubs and the like. 1,740,144; Dec. 17.
 Barrows, Donald S., Rochester, N. Y. Railway truck. 1,740,059; Dec. 17.
 Barrows, Donald S., Rochester, N. Y. Railway truck. 1,740,143; Dec. 17.
 Bartholomew, John R., Montclair, N. J. assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,739,496; Dec. 17.
 Barton, Ralph E., New Haven, Conn., assignor to Photomaton, Inc., New York, N. Y. Photographic-portrait enlargement visualizer. 1,739,816; Dec. 17.
 Barwood, Leon J., Allston, Mass. Handle. 1,739,706; Dec. 17.
 Basinger, John H., Oklahoma City, Okla. Door buffer and holder. 1,739,940; Dec. 17.
 Batcheller, Clements, Brooklyn, N. Y., assignor to Bemis Industries, Incorporated, Boston, Mass. Shingle. 1,740,217; Dec. 17.
 Bates, Harry H., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, Air pre-heater. 1,740,145; Dec. 17.
 Bauer, Paul S., Cambridge, Mass. Electrical method. 1,740,146; Dec. 17.
 Baum, Lee, deceased, Williamsburg, Brooklyn, N. Y.; A. R. Baum, executor. Interchangeable-jewel mounting. 1,740,060; Dec. 17.
 Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
 Baynes, William J., Buffalo, N. Y. Apparatus for ejecting ice cream from containers. 1,740,386; Dec. 17.
 Beach, George E., assignor to F. J. Ryan and Company, Philadelphia, Pa. Conveyor for high-temperature furnaces. 1,739,497; Dec. 17.
 Beals, Edl V., Boston, Mass. Carburetor. 1,739,817; Dec. 17.
 Beals, Edl V., Boston, Mass. Carburetor. 1,739,818; Dec. 17.
 Beatty, James A. (See Underwood, C. E., and Beatty.)
 Beck, Charles W., assignor to Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,740,387; Dec. 17.
 Beck-Frost Corporation. (See Beck, Charles W., assignor.)
 Beck, Leo L., Linden, N. J. Stabilized vacuum tube-lighting system. 1,739,498; Dec. 17.
 Beckwith, Harry H., Brookline, Mass. Coating device. 1,739,499; Dec. 17.
 Beckwith Manufacturing Company. (See Clapp, Albert L., assignor.)
 Beebe, Murray C., Cheshire, Conn., H. V. Herlinger, Fort Thomas, Ky., and R. A. Swain, Norwood, Ohio, assignors to The Wadsworth Watch Case Co., Dayton, Ky. Lithographic plate and process of preparation. 1,740,061; Dec. 17.
 Behn, Karl, Alfeld-Leine, Germany. Musical toy. 1,739,569; Dec. 17.
 Behnke, Curtis W. (See Marshall, W., and Behnke.)
 Beinroth, Hugo, Hamburg, Germany, assignor to Heyden Chemical Corporation, New York, N. Y. Applying signs to glass. 1,739,819; Dec. 17.
 Belden Manufacturing Company. (See Wermeine, Hugo H., assignor.)
 Bell, Ivan C., Dallas, Tex. Piston ring. 1,739,537; Dec. 17.
 Bell, James H. (See Tiffany, Tolbert K., assignor.)

Bell, John A., assignor of one-half to L. M. McNaughton, Montreal, Quebec, Canada. Humidifying device for internal-combustion engines. 1,739,570; Dec. 17.
 Bell Telephone Laboratories, Incorporated. (See Elmen, Gustaf W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Green, Charles W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
 Bellini, Ettore, Paris, France. Radio signalling system. 1,739,941; Dec. 17.
 Bemis Industries, Incorporated. (See Batcheller, Clements, assignor.)
 Bemont, Deloss C., assignor of one-third to E. Bemont, Meriden, Conn. Bicycle, velocipede, or the like. 1,739,628; Dec. 17.
 Bemont, Edward. (See Bemont, Deloss C., assignor.)
 Benda, Louis, Mainz, near Frankfurt-on-the-Main, and Otto Sievers, Hobe Tanne, near Hanau-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacturing 4-hydroxy-3-acetaminoaryl-1-arsonic acid. 1,739,820; Dec. 17.
 Benjamin, Schuyler E., and W. P. Murray, Gloversville, assignors to Louis Meyers & Son, Inc., New York, N. Y. Glove and making the same. 1,740,218; Dec. 17.
 Berliner, Emil, Washington, D. C. Wall. 1,740,147; Dec. 17.
 Berliner, Emil, Washington, D. C. Wall. 1,740,148; Dec. 17.
 Bernard, Adelard, Drummondville, Quebec, Canada. Rotary pump. 1,739,661; Dec. 17.
 Bernard, James L., Beaver, and J. L. Skeehan, Baden, Pa. Multiple-spindle drilling machine. 1,740,149; Dec. 17.
 Bernardin Bottle Cap Company. (See Spahn, August C., assignor.)
 Bernbaum, John W., and William Wright, assignors to Hotchkiss, Blue & Co. Ltd., Chicago, Ill. Car-ventilating system. 1,739,777; Dec. 17.
 Berndt, Richard E., and J. J. Halloran, assignors to Automatic Printing Devices Co., San Francisco, Calif. Machine for producing raised printing. 1,739,492; Dec. 17.
 Berson, Nathan, Brooklyn, N. Y., assignor, by mesne assignments, to The Tri-Lok Company, Pittsburgh, Pa. Grating structure. 1,740,219; Dec. 17.
 Best, Frank E., and F. Powell, said Powell assignor to Frank E. Best, Inc., Seattle, Wash. Mortise deadlock. 1,739,629; Dec. 17.
 Best, Frank E., Inc. (See Best, F. E., and Powell, assignor.)
 Bethlehem Steel Company. (See Underwood, C. E., and Beatty, assignors.)
 Betke, Herman, Denver, Colo. Steam board. 1,739,571; Dec. 17.
 Bettinger, Hoyland B. (See Greenwood, O. P., and Bettinger.)
 Bewan, James O., Miami, Fla. Trap. 1,739,493; Dec. 17.
 Bidwell, Paul W., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Method of and apparatus for finishing glassine paper. 1,739,572; Dec. 17.
 Bing-Werke, vorm. Gebr. Bing A. G. (See Schliederer, Emil, assignor.)
 Binkley, Martin J., East Orange, N. J., assignor to Caloroll Burner Corporation. Oil burner. 1,740,062; Dec. 17.
 Birmingham Tank Company. (See Pinckney, Charles C., assignor.)
 Bissell Carpet Sweeper Company. (See Pullen, Fred W., assignor.)
 Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,739,573; Dec. 17.
 Blackburn, Fred J. (See Cornwell, V. O., and Blackburn.)
 Blaine, John E., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Filing tray. 1,740,424; Dec. 17.
 Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Automatic fastener. 1,739,500; Dec. 17.
 Blake, George W., assignor to George W. Blake Manufacturing Co., Wyandotte, Mich. Jolt packing machine. 1,739,707; Dec. 17.
 Blake, George W., Manufacturing Co. (See Blake, George W., assignor.)
 Blecker, Edsell T., Pueblo, Colo. Rocker. Des. 80,103; Dec. 17.
 Bliss Containers, Inc. (See Bliss, Herbert R., assignor.)
 Bliss, Herbert R., assignor to Bliss Containers, Inc., Niagara Falls, N. Y. Shipping case. 1,739,778; Dec. 17.
 Block, Alexander E., St. Louis, Mo. Last. 1,740,220; Dec. 17.
 Block, Alexander E., St. Louis, Mo. Shoe. 1,739,538; Dec. 17.
 Block, Alexander E., St. Louis, Mo. Shoe. 1,739,539; Dec. 17.
 Block, Alexander E., St. Louis, Mo. Foot-treatment appliance. 1,739,540; Dec. 17.
 Block, Alexander E., St. Louis, Mo. Truss for shoes. 1,739,541; Dec. 17.
 Blood, Howard E., Detroit, Mich., assignor to Detroit Gear & Machine Company. Gear housing. 1,739,779; Dec. 17.
 Blunt, James G., Schenectady, N. Y. Truck for railroad vehicles. 1,740,150; Dec. 17.
 Bodee, George P., Des Moines, Iowa. Blotting device. 1,740,063; Dec. 17.

Boedecker, Friedrich, Berlin-Dahlem, Germany. Barbituric-acid derivative. 1,739,662; Dec. 17.
 Boertlein, John C., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Apparatus for flaking molten solids. 1,740,064; Dec. 17.
 Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Rheostat. 1,739,942; Dec. 17.
 Bohmker, John C., Kankakee, Ill. Grain grinder. 1,739,574; Dec. 17.
 Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
 Bohne, William A., assignor to E. F. Houghton & Company, Philadelphia, Pa. Press for molded leather articles. 1,740,388; Dec. 17.
 Bolender, Joel D., assignor to The George R. Carter Company, Connersville, Ind. Molding. 1,739,943; Dec. 17.
 Bond, Alexander R., executor. (See Baum, Leo, assignor.)
 Bornmann, Carl A., assignor, by mesne assignments, to Acfa Anso Corporation, Binghamton, N. Y. Film shifter. 1,740,279; Dec. 17.
 Bostwick, Henry C., Kenmore, assignor to The Akron Standard Mold Company, Akron, Ohio. Vulcanizer. 1,740,065; Dec. 17.
 Bott, Edgar S., and A. S. Funk, assignors to La Crosse Rubber Mills Co., La Crosse, Wis. Upper and process of constructing same. 1,739,821; Dec. 17.
 Bouchard, Edgar, Quebec, Quebec, Canada. Match box. 1,739,822; Dec. 17.
 Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyeglass and spectacle case. 80,104; Dec. 10.
 Boulade, Antonin, assignor to Societe du Carburateur Zenith, Lyons, France. Heating carburetors. 1,740,221; Dec. 17.
 Bowler, Alfred H., Jr. (See Schlegel, R. M., and Bowler.)
 Boyce, Harrison H., Jericho, N. Y. Instrument bracket. 1,740,151; Dec. 17.
 Boyce, Harrison H., Jericho, N. Y. Radiator-cap-securing device. 1,740,152; Dec. 17.
 Boyle Manufacturing Company, The. (See Muhlbach, Alfred J., assignor.)
 Bramley Machinery Corporation. (See Bramley-Moore, Swinfen, assignor.)
 Bramley-Moore, Swinfen, White Plains, assignor to Bramley Machinery Corporation, New York, N. Y. Crushing, grinding, and refining machine. 1,740,194; Dec. 17.
 Brandenburg, Irene. (See Padgett, Claude S., assignor.)
 Brandes Products Corporation. (See Scharf, Hans, assignor.)
 Brandman, Charles, Boston, assignor to Emerson Shoe Manufacturing Company, Rockland, Mass. Store front or the like. Des. 80,105; Dec. 17.
 Braselton, Chester H., New York, and F. B. MacLaren, Malba, N. Y.; said MacLaren assignor to said Braselton. Pump. 1,739,944; Dec. 17.
 Brewer, James F., Washington, D. C. Drawing board. 1,740,389; Dec. 17.
 Brewer, Warren, New York, N. Y., assignor to Thorndike Company, West Warren, Mass. Textile fabric. Des. 80,106; Dec. 17.
 Brice, Henry E., New York, N. Y. Coupling. 1,740,328; Dec. 17.
 Briggs Manufacturing Company. (See Clark, James H., assignor.)
 Briggs Manufacturing Company. (See Marshall, W., and Behnke, assignors.)
 Briggs Manufacturing Company. (See Marshall, W., and Kiehler, assignors.)
 Briggs Manufacturing Company. (See Pierson, William H., assignor.)
 Brill, J. G., Company. (See Latshaw, Elmer, assignor.)
 British Electric Meters, Limited. (See Jolly, Richard W., assignor.)
 Britton, Carl, and C. McCormack, Crawfordville, Ind. Amusement device. 1,739,945; Dec. 17.
 Broadstone, Raymond C., Dayton, Ohio. Door check and tightener. 1,740,329; Dec. 17.
 Broadwell, Halvor S., and S. T. Thorpe, assignors to The Horton Manufacturing Company, Bristol, Conn. Fishing reel. 1,740,222; Dec. 17.
 Brower, William M., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Electron-tube socket. 1,739,748; Dec. 17.
 Brown, Edwin H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,740,066; Dec. 17.
 Brown, J. Alvin, et al. (See Hobson, John H., assignor.)
 Brown-Lipe Gear Company. (See Carhart, George C., assignor.)
 Brown and Sharpe Manufacturing Company. (See Mathewson, Maxwell I., assignor.)
 Brown, Sydney L., Brooklyn, assignor to National Lead Company, New York, N. Y. Window came. 1,739,575; Dec. 17.
 Brown, Vernon. (See Pengilly, J. H., and Brown.)
 Brown, Wilbur F. (See Allen, H. E., and Brown.)
 Brown, William J., et al. (See Hobson, John H., assignor.)
 Bryant, Frank L., assignor to S. L. Schwarz, Chicago, Ill. Distended fibrous material and producing the same. 1,740,280; Dec. 17.
 Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Indicator. 1,740,163; Dec. 17.

Bryce, James W., Bloomfield, N. J., and C. H. Getz, Cleveland, Ohio, assignors to International Time Recording Company of New York, Endicott, N. Y. Synchronizing clock system. 1,740,330; Dec. 17.
 Budd Wheel Company. (See Nelson, Emil A., assignor.)
 Buhler, Georg, Vienna, Austria. Core for molds. 1,739,542; Dec. 17.
 Buhrke, Alfred E., River Forest, Ill., assignor to R. H. Buhrke Company, Golf tee holder. 1,739,780; Dec. 17.
 Buhrke, R. H., Company. (See Buhrke, Alfred E., assignor.)
 Builders' Patent Scaffolding Company. (See Kingston, Thomas H.)
 Burke, John E., Fond du Lac, Wis. Radiator cover and humidifier. 1,739,576; Dec. 17.
 Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Fire-foam delivery apparatus. 1,740,067; Dec. 17.
 Burton, Arlington L., Cleveland, Ohio. Safety appliance. 1,739,543; Dec. 17.
 Burvenick, Benjamin, assignor to Lalance and Grosjean Manufacturing Company, Woodhaven, N. Y. Device for mixing and straining liquids. 1,740,223; Dec. 17.
 Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Liquid-measuring device. 1,740,390; Dec. 17.
 Butler, Charles R. (See Resnussen, C. A., Butler, and Trout.)
 C. G. Haulbold Aktiengesellschaft. (See Tandel, Fritz, assignor.)
 Cabell, Philip M., New York, N. Y. Apparatus for supplying steam to internal-combustion engines. 1,739,749; Dec. 17.
 California Corrugated Culvert Co. (See Hand, Augustin J., assignor.)
 California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)
 Caloroll Burner Corporation. (See Binkley, Martin J., assignor.)
 Camel Company. (See Eklind, C. E., and Tobin, assignors.)
 Cameron, Carl F., assignor to The Kawneer Company, Niles, Mich. Store-front construction. 1,740,224; Dec. 17.
 Campbell, Percy A., East Cleveland, Ohio, assignor to General Electric Company. Incandescent-lamp mount. 1,740,391; Dec. 17.
 Campbell, Stewart L., Berkeley, assignor to John Grant, Los Angeles, Calif. Rotary changeable cutter reamer. 1,739,823; Dec. 17.
 Campbell, Webb L. (See Johnson, D. G., and Campbell.)
 Cantú, Jesus, Monterey, Mexico, assignor of one-third to J. Martinez, Laredo, Tex., and one-third to R. Lopez, Monterey, Mexico. Electric sign. 1,739,577; Dec. 17.
 Caps, Arthur W., Kansas City, Mo., assignor, by mesne assignments, to Photostat Corporation, Providence, R. I. Reproducing or enlarging camera. 1,739,886; Dec. 17.
 Cardullo, Forrest E., and H. W. Hunt, assignors to The G. A. Gray Company, Cincinnati, Ohio. Planer head. 1,739,501; Dec. 17.
 Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission mechanism and brake. 1,739,946; Dec. 17.
 Carlson, Carl T., assignor to Erie City Iron Works, Erie, Pa. Steam boiler. 1,739,502; Dec. 17.
 Carlson, Wendell L., Schenectady, N. Y., assignor to General Electric Company. Tuning of high-frequency circuits. 1,740,331; Dec. 17.
 Carlstedt, Sven M., Stockholm, Sweden. Nozzle of vacuum cleaner. 1,740,001; Dec. 17.
 Carman, Edwin S., East Cleveland, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mechanism for handling sand in foundries. 1,739,887; Dec. 17.
 Carmichael, William A. (See Hart, F. H., and Carmichael.)
 Carney, Samuel C., Tulsa, Okla., assignor to Shell Petroleum Corporation. Evaporating refrigerant liquid. 1,739,750; Dec. 17.
 Carney, Samuel C., Tulsa, Okla., assignor to Shell Petroleum Corporation. Refrigerating system. 1,740,281; Dec. 17.
 Carr, William C., assignor to The Automatic Transportation Company, Inc., Buffalo, N. Y. Industrial truck. 1,739,708; Dec. 17.
 Carter, George R., Company, The. (See Bolender, Joel D., assignor.)
 Carter, William C., Flint, Mich. Carburetor. 1,740,282; Dec. 17.
 Cartwright, James S., and T. Davey, Winthrop, Mass. Clutch. 1,739,751; Dec. 17.
 Cashman, Edwin J. (See Hormel, J. C., Corey, and Cashman.)
 Cassidy, Samuel B., New York, N. Y. Store front. Des. 80,107; Dec. 17.
 Chadwick, Lee S., Shaker Heights Village, and M. Resek, East Cleveland, assignors to Perfection Stove Company, Cleveland, Ohio. Water heating and storage apparatus. 1,740,068; Dec. 17.
 Chain Products Company, The. (See Hodell, Frederick G., assignor.)
 Champion, Franklin J., Dalton, Mass., assignor to General Electric Company. Automatic regulating system. 1,740,332; Dec. 17.
 Chance, A. Bishop. (See Fisher, Waser, assignor.)
 Chase, Elroy A., Northfield, Vt. Machine for finishing stone. 1,740,154; Dec. 17.

Chase, George E., Defiance, Ohio. Stubble shredder. 1,740,069; Dec. 17.
 Chattam Metal Spinning and Stamping Corporation. (See Richter, Charles, assignor.)
 Cheney, Herbert W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Automatic motor starter. 1,740,070; Dec. 17.
 Cherry-Burrell Corporation. (See Lippold, Adolph J., assignor.)
 Chiapetto, Peter J., Oakland, Calif. Illuminated house number. 1,739,709; Dec. 17.
 Chicago Pneumatic Tool Company. (See Mennier, Leon F., assignor.)
 Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
 Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Ellipse Machine Company, Elmira Heights, N. Y. Clutch. 1,739,947; Dec. 17.
 Chireix, Henri, Paris, France. Electric signalling. 1,739,948; Dec. 17.
 Chisholm, Walter J., Waco, Tex. Animal trap. 1,740,333; Dec. 17.
 Chitty, Howard, Mitchell, Ind. Trolling raft. 1,740,002; Dec. 17.
 Christensen, Niels A., Milwaukee, Wis. Brake mechanism. 1,739,781; Dec. 17.
 Christensen, Niels A., Milwaukee, Wis. Vehicle wheel-brake mechanism. 1,739,782; Dec. 17.
 Christensen, Niels A., Cleveland, Ohio. Vehicle brake apparatus. 1,739,783; Dec. 17.
 Chrysler Corporation. (See Kent, Philip J., assignor.)
 Churchill, Lawrence E., Oshkosh, Wis. Device for breaking in smokers' pipes. 1,740,334; Dec. 17.
 Cleero, Ralph S., Waterbury, Conn. Core-making machine. 1,739,663; Dec. 17.
 Cincinnati Planer Company, The. (See Linden, C. E., and Langen, assignors.)
 Cincinnati Shaper Company, The. (See Hazleton, Robert T., assignor.)
 Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Shoe stiffener. 1,739,578; Dec. 17.
 Clange Fan Company. (See Monroe, Lewis O., assignor.)
 Clark, Ary C., Brawley, Calif. Dredger. 1,739,888; Dec. 17.
 Clark, James H., assignor to Briggs Manufacturing Company, Detroit, Mich. Remote-control lever assembly for door latches. 1,739,710; Dec. 17.
 Clark, William G. (See Weston, E. B., and Clark.)
 Clayton, Edwin C. (See Hooper, J. P., and Clayton.)
 Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)
 Cleveland Heater Company, The. (See Friedman, Arthur, assignor.)
 Cleveland Heater Company, The. (See Snow, Wallace J., assignor.)
 Climax Engineering Company. (See Wishart, William, assignor.)
 Clum Manufacturing Company. (See Winnig, Robert K., assignor.)
 Cockerly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Electrically-driven oil-well pump. 1,740,003; Dec. 17.
 Coblenz, George E. (See Morris, Albert W., assignor.)
 Coburn Trolley Track Mfg. Co., The. (See McTigue, Francis H., assignor.)
 Coffey, Daniel J., New York, N. Y. Display device. 1,740,071; Dec. 17.
 Cohen, Morris, Brooklyn, assignor to The Gift House, Inc., New York, N. Y. Combined ash receiver and cigarette and match holder. Des. 80,108; Dec. 17.
 Cohen, Nathan B. (See Lolselle, J. H., and Cohen.)
 Cohen, Samuel, Brooklyn, N. Y. Amplification system. 1,740,283; Dec. 17.
 Colgate-Palmolive-Peet Company. (See de Vaulchier, Simon, assignor.)
 Collins, Cornelius, Los Angeles, Calif. Block for steel stud-ding and the like. 1,739,824; Dec. 17.
 Columbian Carbon Company. (See Glaxner, Herman J., assignor.)
 Combs, Presley S., jr., assignor to Monorail Engineering Corporation, Chicago, Ill. Car hanger. 1,740,413; Dec. 17.
 Combs, Presley S., jr., assignor to Monorail Engineering Corporation, Chicago, Ill. Monorail car truck. 1,740,416; Dec. 17.
 Combs, Presley S., jr., assignor to Monorail Engineering Corporation, Chicago, Ill. Monorail track construction. 1,740,417; Dec. 17.
 Combustion Engineering Corporation. (See Jackson, George P., assignor.)
 Combustion Utilities Corporation. (See Klees, Albert L., assignor.)
 Commercial Solvents Corporation. (See Arsem, William C., assignor.)
 Commercial Solvents Corporation. (See Edmonds, William J., assignor.)
 Compagnie Generale d'Electricite. (See Delon, Jules, assignor.)
 Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 80,116; Dec. 17.
 Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)
 Connell, Burnett, et al. (See Cross, Anne W., assignor.)

Conti, James T. F., assignor to René L. Jacques Laurent de la Ville le Roux, Paris, France. Telephone. 1,739,889; Dec. 17.
 Converse, Francis B., Westport, Conn., assignor to Skinner Organ Company, Boston, Mass. Organ-stop control. 1,740,155; Dec. 17.
 Cook, Asa S., Company, The. (See Crosby, Reuben S., assignor.)
 Cooke, George T., Norwalk, Conn. Cotter-pin-locking means. 1,740,284; Dec. 17.
 Cooley, Austin G., New York, N. Y. Phototelegraphic synchronization. 1,739,949; Dec. 17.
 Cooper, Robert S., Connelville, Pa. Portable telephone. 1,739,503; Dec. 17.
 Corby, Sydney F., and J. Wasp, East Molesey, England, assignors to said Corby. Construction of cubicles, bathing boxes, and the like. 1,739,664; Dec. 17.
 Corby, Sydney F., and J. Wasp, East Molesey, England, assignors to said Corby. Partition wall. 1,739,665; Dec. 17.
 Corby, Sydney F., and J. Wasp, East Molesey, England, assignors to said Corby. Partition wall. 1,739,666; Dec. 17.
 Corey, Horace H. (See Hormel, J. C., Corey, and Cashman.)
 Cormican, Robert M., Casey, Ill., assignor to Kari-Keen Manufacturing Company, Inc., Sioux City, Iowa. Combination trunk and luggage carrier. Rel. 7,529; Dec. 17.
 Cormier, Leo H., Detroit, Mich. Micrometer sine protractor. 1,740,072; Dec. 17.
 Corning Glass Works. (See Smith, Rowland D., assignor.)
 Cornwell, Virgil O., and F. J. Blackburn, assignors to The Federal Glass Company, Columbus, Ohio. Producing cracked glassware. 1,739,825; Dec. 17.
 Correll, Orville C., Brooklyn, N. Y. Stamping device. 1,740,285; Dec. 17.
 Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
 Coulombe, Joseph C., Kokomo, Ind. Automobile radiator shell. Des. 80,109; Dec. 17.
 Coulombe, Joseph C., Kokomo, Ind. Automobile radiator shell. Des. 80,110; Dec. 17.
 Coulombe, Joseph C., Kokomo, Ind. Automobile radiator shell. Des. 80,111; Dec. 17.
 Coulombe, Joseph C., Kokomo, Ind. Automobile radiator shell. Des. 80,112; Dec. 17.
 Coulombe, Joseph C., Kokomo, Ind. Automobile radiator shell. Des. 80,113; Dec. 17.
 Coulombe, Joseph C., Kokomo, Ind. Automobile radiator shell. Des. 80,114; Dec. 17.
 Coulombe, Joseph C., Kokomo, Ind. Automobile radiator shell. Des. 80,115; Dec. 17.
 Cowan, John H., Ottawa, Ontario, Canada. Fishing bait. 1,740,335; Dec. 17.
 Cowles, C., & Company. (See Hart, F. H., and Carmichael, assignors.)
 Cowles, Henry, and J. K. Norris, Utica, N. Y., assignors, by mesne assignments, to National Radiator Corporation, Dover, Del. Sectional furnace. 1,740,393; Dec. 17.
 Cracknell, Richard J., London, England, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,739,544; Dec. 17.
 Crane, Raymond E., Ford City, Pa., and T. J. Kaufman, Chicago, Ill. Lavatory. 1,740,156; Dec. 17.
 Crell, Edward W., assignor to Union Oil Company of California, Los Angeles, Calif. Gauging device. 1,739,711; Dec. 17.
 Crittal, Richard G., and J. L. Musgrave, London, England. Heating and cooling of buildings. 1,740,336; Dec. 17.
 Crocker, Thomas E., and H. R. Parrish, Chicago, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,740,073; Dec. 17.
 Croft, George A. (See Koelsch, Henry C., assignor.)
 Croft, Hiram D. (See Perkins, J. L., and Croft.)
 Crosland, Edward M., Newton-le-Willows, England. Bliscuit-making machinery. 1,739,504; Dec. 17.
 Crosby, Reuben S., assignor to The Asa S. Cook Company, Hartford, Conn. Machine for applying nuts to screws, bolts, and studs. 1,739,712; Dec. 17.
 Cross, Anne W., Stockton, Calif., assignor of one-third to B. Connell and one-third to B. Privat. Sanitary individual telephone mouthpiece. 1,739,950; Dec. 17.
 Cross, Roy, assignor, by mesne assignments, to Silica Products Co., Kansas City, Mo. Lubricating composition. 1,739,631; Dec. 17.
 Crowe, John M., Corington, Ky., assignor to The Crowe Manufacturing Corporation, Cincinnati, Ohio. Portable power handsaw. 1,740,074; Dec. 17.
 Crowe Manufacturing Corporation, The. (See Crowe, John M., assignor.)
 Crowley, Joseph P., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Diaphragm valve. 1,740,004; Dec. 17.
 Crowley, Joseph P., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Grinding plate glass. 1,740,005; Dec. 17.
 Crowley, Joseph P., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Apparatus for surfacing sheet glass. 1,740,006; Dec. 17.
 Crystal Waxing Company. (See Ranck, Zolber W., assignor.)
 Cubberley, Warner L., Washington, D. C. File-cabinet construction. 1,739,545; Dec. 17.

Cullen, John T., Jr., Clinton, Iowa. Steam generator. 1,740,337; Dec. 17.
 Cullman, Otto, Chicago, Ill. Electric low-speed unit. 1,739,826; Dec. 17.
 Cummins, Robert B., Kokomo, Ind. Protector switch. 1,740,225; Dec. 17.
 Cunniff, John V., and J. A. Darsie, Los Angeles, Calif.; said Darsie assignor to said Cunniff. Headlight for motor vehicles. 1,740,007; Dec. 17.
 Cunningham, Arthur J., Utica, N. Y. Drier for photographic prints. 1,739,505; Dec. 17.
 Curry, John P. (See Foulter, Henry B., assignor.)
 Curtiss Aeroplane & Motor Company. (See Nutt, Arthur, assignor.)
 Czapek, Emil, and R. Weingand, Momlitz, near Walsrode, Germany. Manufacture of sheetlike articles and the like from cellulose. 1,740,226; Dec. 17.
 Czapek, Emil, and R. Weingand, Momlitz, near Walsrode, Germany. Cellulose precipitating agent. 1,740,227; Dec. 17.
 Dabrowski, Eugene, St. James, N. Y. Collapsible rake. 1,740,286; Dec. 17.
 Daimler-Benz Aktiengesellschaft. (See Porsche, Ferdinand, assignor.)
 Dal Maso, Joseph, Washington, D. C. Plant support. 1,740,364; Dec. 17.
 Dalton, Nelson W., Bath, assignor to Pequot Realty Corporation, New York, N. Y. Drier for agricultural products. 1,740,075; Dec. 17.
 Dam, Henry M., Brooklyn, N. Y., assignor to Premo Electric Corporation. Electric battery. 1,739,784; Dec. 17.
 Darco Sales Corporation. (See Mahler, Paul, assignor.)
 Darsie, James A. (See Cunniff, J. V., and Darsie.)
 Davenport, Ropard H., and J. Porter, South Jacksonville, Fla. Railway-car-truck side frame. 1,740,338; Dec. 17.
 Davey, Thomas. (See Cartwright, J. S., and Davey.)
 Davis, Augustine, Jr. (See Shield, Paul S., assignor.)
 Davis, Edward L. (See Hessenbruch, Hermann M., assignor.)
 Davis, Louis, New York, N. Y. Rocking baby carriage. 1,739,785; Dec. 17.
 Davis, Walter T., assignor to Wheeling Stamping Company, Wheeling, W. Va. Collapsible tube. 1,740,287; Dec. 17.
 Davydoff, Leonide. (See Rebkoff, Wassily, assignor.)
 Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)
 De Francia, Alfredo, Paris, France. Luminous sign. 1,740,228; Dec. 17.
 De Fries, Walter, Wilkesburg, Pa. Furnace and operating the same. 1,740,288; Dec. 17.
 Deibel, Cyril P., Lakewood, assignor to General Dry Batteries, Incorporated, Cleveland, Ohio. Process and apparatus for forming connectors for dry cells. 1,739,500; Dec. 17.
 Deltel, Benjamin B., Brooklyn, N. Y. Combination novelty case. 1,739,890; Dec. 17.
 Delon, Jules, Lyon, assignor of one-half to Compagnie Generale d'Electricite, Paris, France. Electric cable. 1,740,076; Dec. 17.
 De Lorenzi, Otto, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Air-preheating device. 1,739,507; Dec. 17.
 Detroit Gear & Machine Company. (See Blood, Howard E., assignor.)
 De Vaulchier, Simon, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Chicago, Ill. Bottle for perfume or the like. Des. 80,117; Dec. 17.
 Dewey, Ritchie P., assignor to Barber-Colman Company, Rockford, Ill. Milling cutter. 1,739,667; Dec. 17.
 De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,740,167; Dec. 17.
 Diamond Electrical Manufacturing Company. (See Pen-gilly, J. H., and Brown, assignors.)
 Dictaphone Corporation. (See Frykman, Victor L., assignor.)
 Diener, Hyman, Washington, D. C. Hat blocking and steaming attachment. 1,740,008; Dec. 17.
 Diener, Oskar, Breslau, Germany. Manufacture of tools of tungsten. 1,740,009; Dec. 17.
 Dieterle, Edward A., Glen Ellyn, Ill. Carbonizing process. 1,739,786; Dec. 17.
 Dimmick, Walter W., Racine, Wis., assignor to Ajax Rubber Company, Inc., New York, N. Y. Axle press. 1,739,891; Dec. 17.
 Dinklage, August, East Orange, N. J. Tool for applying and removing anchoring devices. 1,740,158; Dec. 17.
 Dodge, Frederick, Astoria, N. Y. Skid prevention for automobiles. 1,739,713; Dec. 17.
 Doehler Vending Machines, Inc. (See Morin, Louis H., assignor.)
 Dolan, John, Dayton, Ohio. Safety device for street cars and similar vehicles. 1,739,714; Dec. 17.
 Donaldson, George, Los Angeles, Calif. Combination pliers and wire-twisting tool. 1,740,392; Dec. 17.
 Donnelly, Thomas H., Cranston, R. I. Collapsible funnel or the like. 1,740,418; Dec. 17.
 Dorsey, William A., Newark, Ohio, assignor to Holophone Company, Inc., New York, N. Y. Lighting apparatus. 1,740,229; Dec. 17.
 Dorrance, David W., Minneapolis, Minn. Artificial limb. 1,740,230; Dec. 17.

Dorsey, Parmer, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Feeding apparatus for chemicals. 1,739,951; Dec. 17.
 Doughnut Machine Corporation. (See Light, Leslie F., assignor.)
 Dougherty, Glenn A., and H. A. Johnston, Anaheim, Calif. Fluid-controlling system. 1,739,787; Dec. 17.
 Douglas, Harry A., Bronson, Mich. Electric switch. 1,739,788; Dec. 17.
 Dow Chemical Company, The. (See Gann, John A., assignor.)
 Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,739,579; Dec. 17.
 Downie Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Boom for excavating machines. 1,739,952; Dec. 17.
 Draper Corporation. (See Kazamias, Michael T., assignor.)
 Draper Corporation. (See Tift, Emerson B., assignor.)
 Drew, George W., Oakland, Calif. Fire-door-controlling mechanism. 1,739,632; Dec. 17.
 Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
 Dubilier Condenser Corporation. (See Horton, C., Van Deventer, and Helny, assignors.)
 Dubilier Condenser Corporation. (See Werner, Leo J., assignor.)
 Dublier, William, New York, N. Y., assignor to Dublier Condenser Corporation. Variable condenser. 1,740,159; Dec. 17.
 Dublier, William, New Rochelle, assignor to Dublier Condenser Corporation, New York, N. Y. Support for resistances. 1,740,160; Dec. 17.
 Duffy, Charles H., Miami, Fla. Device for the reproduction of sound. 1,740,161; Dec. 17.
 Dumbleton, Fred E., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotor. 1,740,077; Dec. 17.
 Dunmire, Russell P., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,739,953; Dec. 17.
 Du Pont, E. I., de Nemours & Company. (See Sachs, John H., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Verderosa, Joseph M., assignor.)
 Du Pont, Francis I., Wilmington, Del. Instrument board for automobiles. 1,739,954; Dec. 17.
 Du Rall, John H., Mounds, Ill. Honey container. 1,740,394; Dec. 17.
 Durst, Arthur C., Erie, Pa. Electrical pencil sharpener. 1,740,395; Dec. 17.
 Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
 Earle, Ralph H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Prime-mover dynamo plant. 1,740,078; Dec. 17.
 Eckhard, William K. (See Graf, A. J., and Eckhard.)
 Eckland, George E., Detroit, Mich. Wrench. 1,739,715; Dec. 17.
 Eckstein, Oliver W., Olinfield, Calif. Hatrack. 1,739,955; Dec. 17.
 Ellipse Machine Company. (See Chilton, Roland, assignor.)
 Edison Botanic Research Corporation. (See Edison, Thomas A., assignor.)
 Edison, Thomas A., West Orange, assignor to Edison Botanic Research Corporation, West Orange, N. J. Extraction of rubber from plants. 1,740,079; Dec. 17.
 Edmonds, William J., Baytown, Tex., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Butyl acetone fermentation process. 1,740,162; Dec. 17.
 Edmonds, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Fermentation apparatus. 1,740,163; Dec. 17.
 Eichenblatt, Morris, Brooklyn, N. Y. Clip. 1,740,164; Dec. 17.
 Eichwede, Heinz. (See Wagner, H., Eichwede, and Fischer.)
 Eklind, Carl E., and Kenneth J. Tobin, assignors to Camel Company, Chicago, Ill. Weatherproofing structure for car doors. 1,739,789; Dec. 17.
 Electrolux Servel Corporation. (See Cracknell, Richard J., assignor.)
 Elevator Supplies Company. (See Ungerer, Howard L., assignor.)
 Elliott, Irwin, assignor to Universal Oven Company, Inc., New York, N. Y. Method of and apparatus for forming pretzels and similar articles. 1,739,892; Dec. 17.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company, Paper product. 1,739,580; Dec. 17.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Container and hood cap therefor. 1,739,581; Dec. 17.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Water-resistant-paper disk stopper for milk bottles and the like. 1,739,582; Dec. 17.
 Ellis-Foster Company. (See Ellis, Carleton, assignor.)
 Ellsberg, Edward, Westfield, N. J. Rapid salvage system for submarines. 1,740,281; Dec. 17.
 Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material and appliance. 1,739,752; Dec. 17.
 Emerson Shoe Manufacturing Company. (See Brandman, Charles, assignor.)

Emerson, William E., Williamsville, N. Y. Cylindrical milling tool. 1,739,956; Dec. 17.
 Endsley, James M., et al. (See Leak, William, assignor.)
 Engel, Edward F., Sioux Falls, S. Dak. Luggage carrier. 1,740,232; Dec. 17.
 Engelhardt, Elmer L., Denver, Colo. Planetary transmission. 1,740,010; Dec. 17.
 Engelhardt, Victor, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Removing chlorine ions from electrolytic solutions. 1,740,165; Dec. 17.
 English, Analdo M., Brookline, assignor, by mesne assignments, to Pneumatic Scale Corporation, Limited, Quincy, Mass. Wrapping machine. 1,739,633; Dec. 17.
 Enz, Henry M., assignor to McKenna Brass & Manufacturing Company, Pittsburgh, Pa. Bottle holder. 1,740,233; Dec. 17.
 Ephraim, Ellis R., assignor to M. S. Levy & Sons, Inc., Baltimore, Md. Straw hat. 1,740,234; Dec. 17.
 Ericson, Richard, assignor to United States Gypsum Co., Chicago, Ill. Light-weight ceramic material and making the same. Re17,523; Dec. 17.
 Erie City Iron Works. (See Carlson, Carl T., assignor.)
 Erie Malleable Iron Company. (See Dunmire, Russell P., assignor.)
 Eriksson, Hjalmar, Skoldinge, Sweden. Machine for mixing two or more substances with each other. 1,740,166; Dec. 17.
 Ernst, Frank A., Somerset, Md., and C. H. Young, Seattle, Wash., assignors to A. B. Lamb, trustee. Use of ammonia as a lubricant. 1,739,957; Dec. 17.
 Eugene, Ltd. (See Fischer, Jacob P., assignor.)
 Evans, George C., Perth Amboy, N. J. Concrete tank construction. 1,740,011; Dec. 17.
 Evert, Joseph H., Fontana, Kans. Gun-firing device. 1,740,080; Dec. 17.
 Everwear Manufacturing Company, The. (See Hoppes, Charles E., assignor.)
 Eynon, George A., Cleveland, Ohio. Vaporizer. 1,740,339; Dec. 17.
 Falchney Instrument Corporation. (See Greenwald, Oscar, assignor.)
 Falchney Instrument Corporation. (See Russell, Claude S. J., assignor.)
 Fairbanks, E. Hayward. (See Gibson, Hugo C., assignor.)
 Fanton, Harry B., assignor of one-half to H. Sachs, Danbury, Conn. Fur mixing and dusting machine. 1,740,289; Dec. 17.
 Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick-service device. 1,739,583; Dec. 17.
 Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,739,584; Dec. 17.
 Farmer, Malcolm, Hartford, Conn. Electrical annealing. 1,739,958; Dec. 17.
 Faruglia, John, Bronx, N. Y. Cooking utensil. 1,739,546; Dec. 17.
 Faulhaber, Charles, Brownlee, Nehr., assignor to I. Faulhaber, Eugene, Oreg., and R. McDonald, Brownlee, Nehr. Bog cutter and road leveler. 1,740,396; Dec. 17.
 Faulhaber, Irving, et al. (See Faulhaber, Charles, assignor.)
 Feazell, Wilson T., et al. (See Hobson, John H., assignor.)
 Fedderman, George C., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich. Hold-down device for automobiles. 1,739,827; Dec. 17.
 Fedderman, George C., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich. Hold-down device. 1,739,828; Dec. 17.
 Fedderman, George C., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich. Device for holding automobiles in freight cars. 1,739,829; Dec. 17.
 Fedderman, George C., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich. Hold-down apparatus for freight cars and the like. 1,739,893; Dec. 17.
 Federal Glass Company, The. (See Cornwell, V. O., and Blackburn, assignors.)
 Federal Telegraph Company. (See Brower, William M., assignor.)
 Fehse, Werner, Gross-Lichterfeld, West., and W. Hagen, Berlin, Germany, assignors to General Electric Company. Seal and making the same. 1,740,397; Dec. 17.
 Feketis, George, Pelham Bay, N. Y. Swimming glove. 1,740,290; Dec. 17.
 Feldman, J. M., Co. (See Holdeman, Harry R., assignor.)
 Feldman, Phillip, and M. Yacker, Brooklyn, N. Y. Interior partition. 1,739,830; Dec. 17.
 Fennell, Charles H., Detroit, Mich. Testing stand. 1,740,167; Dec. 17.
 Ferngren, Enoch T., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Width maintainer. 1,739,959; Dec. 17.
 Ferngren, Enoch T., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Downward sheet-glass apparatus. 1,739,960; Dec. 17.
 Ferretti, Julius J., Brooklyn, N. Y., assignor, by mesne assignments, to The Universal Match Corporation. Paper-match-making machine. Re17,524; Dec. 17.
 Ferrier, Peter H., Jr., Brookfield, Ill. Teakettle. 1,739,894; Dec. 17.
 Fincher, Elbert H., and G. W. Goza, Okla. Cultivator. 1,739,598; Dec. 17.
 Fincher, George W. (See Fincher, Elbert H. and G. W.)

Fink, Collin G., Yonkers, and R. E. Lowe, assignors to Barlo Metal Corporation, New York, N. Y. Electrodes and making the same. 1,740,291; Dec. 17.
 Fink, Jacob, deceased, by R. J. Fink, administratrix, St. Paul, Minn.; said J. Fink, assignor to said R. J. Fink. Leg-covering garment. Re17,525; Dec. 17.
 Fink, Rose J. (See Fink, Jacob, assignor.)
 Fink, Rose J., administratrix. (See Fink, Jacob.)
 Finkbone, Benjamin P., assignor to The American Rolling Mill Company, Middletown, Ohio. Galvanizing apparatus. 1,740,081; Dec. 17.
 Fireproof Wall Company. (See Makowski, John F., assignor.)
 Fischer, Erich. (See Wagner, H., Elchweide, and Fischer.)
 Fischer, Jacob P., Brooklyn, assignor to Eugene, Ltd., New York, N. Y. Clip and scalp protector. 1,740,292; Dec. 17.
 Fisher, Joseph B., Strathmore, Calif. Vehicle trailer. 1,739,716; Dec. 17.
 Fisher, Lee F., St. Louis, Mo. Toaster. 1,739,531; Dec. 17.
 Fisher, Wager, Bryn Mawr, Pa., assignor to A. Bishop Chance, Centralia, Mo. Pulley block. 1,740,168; Dec. 17.
 Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Grinding machine. 1,739,733; Dec. 17.
 Flathers, Ed. (See Flathers, Ronald E., assignor.)
 Flathers, Ronald E., assignor to E. Flathers, Iroquois, S. Dak. Steering gear attachment. 1,739,582; Dec. 17.
 Fleming, John S., Toronto, Ontario, Canada, assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y. Planographic press. 1,739,585; Dec. 17.
 Foerstner, George E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Molding method and apparatus. 1,740,082; Dec. 17.
 Fogas, Livius V., Detroit, Mich. Valveless motor. 1,740,235; Dec. 17.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Treadle switch structure. 1,739,961; Dec. 17.
 Foster, Thomas J., Ridgewood, N. J. Building construction. 1,739,754; Dec. 17.
 Foulder, Henry B., Glenbrook, assignor of one-half to J. P. Curry, Riverside, Conn. Sealing articles with wire. 1,739,755; Dec. 17.
 Fowler, Willard P., Metropolis, Ill. Signaling system. 1,739,833; Dec. 17.
 Frankart, Inc. (See von Frankenberg, Arthur, assignor.)
 Franklin, Simon & Co. (See Long, Dorothy, assignor.)
 Freeman, Samuel, assignor to Paragon Distributing Corporation, New York, N. Y. Hair-curling device. 1,740,169; Dec. 17.
 Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix-composing stick. 1,740,435; Dec. 17.
 Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Relief valve. 1,740,420; Dec. 17.
 Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Relief valve. 1,740,421; Dec. 17.
 Friedman, William, New York, N. Y. Bag. 1,739,634; Dec. 17.
 Frigidaire Corporation. (See King, Jesse G., assignor.)
 Frigidaire Corporation. (See Schweiler, Sylvester M., assignor.)
 Frykman, Victor L., assignor to Dictaphone Corporation, Bridgeport, Conn. Record-resurfacing machine. 1,740,425; Dec. 17.
 Funk, Arthur S. (See Bott, E. S., and Funk.)
 Funtan, Charles L., Paterson, N. J. Light-print (blue-print) machine. 1,740,293; Dec. 17.
 Galbraith, Arthur, Ash Grove, Mo. Chin support. 1,740,340; Dec. 17.
 Gallo P., German, New York, N. Y. Electrical connection. 1,740,294; Dec. 17.
 Galvin, Michael C., Boston, Mass. Inhaler. 1,740,083; Dec. 17.
 Gamble, Harley M., Wabash, Ind. Cooling rack. 1,739,895; Dec. 17.
 Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Treating shavings and scrap of light metal and alloys thereof. 1,739,717; Dec. 17.
 Garbell, Max, Chicago, Ill. Windshield cleaner. 1,739,896; Dec. 17.
 Garber, Harry D., Cleveland, Ohio. Jail-door-locking mechanism. 1,739,897; Dec. 17.
 Garber, Louis B., New York, N. Y. Electric-sign-control mechanism. 1,740,295; Dec. 17.
 Gard, Earle W., Long Beach, B. G. Aldridge, Los Angeles County, and H. J. Muller, Huntington Park, Calif. Dehydrating oil. 1,739,834; Dec. 17.
 Gard, Earle W., Long Beach, B. G. Aldridge, Los Angeles County, and H. J. Muller, Huntington Park, Calif. Treating oil. 1,739,898; Dec. 17.
 Gaynor, Arthur C., Stratford, Conn. Electric switch. 1,739,835; Dec. 17.
 General Aniline Works, Inc. (See Wagner, H., Elchweide, and Fischer, assignors.)
 General Dry Batteries, Incorporated. (See Deibel, Cyril P., assignor.)
 General Electric Company. (See Campbell, Percy A., assignor.)

General Electric Company. (See Carlson, Wendell L., assignor.)
 General Electric Company. (See Champlin, Franklin J., assignor.)
 General Electric Company. (See Fehse, W., and Hagen, assignors.)
 General Electric Company. (See Hayman, William C., assignor.)
 General Electric Company. (See Jordan, Hans, assignor.)
 General Electric Company. (See Kearsley, William K., assignor.)
 General Electric Company. (See Kellogg, Edward W., assignor.)
 General Electric Company. (See Kjolseth, Ole K., assignor.)
 General Electric Company. (See Langmuir, Irving, assignor.)
 General Electric Company. (See Newton, Edward G., assignor.)
 General Electric Company. (See Rice, Chester W., assignor.)
 General Electric Company. (See Rosenlöcher, Otto, assignor.)
 General Electric Company. (See Simonds, Dewey T., assignor.)
 General Electric Company. (See Smith, Arthur R., assignor.)
 General Electric Company. (See Standerwick, Reginald G., assignor.)
 General Electric Company. (See Stephenson, Hugh M., assignor.)
 General Electric Company. (See Weed, James M., assignor.)
 General Motors Research Corporation. (See King, Jesse G., assignor.)
 Genest, Homer A., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass-shaping machine. 1,740,236; Dec. 17.
 George, Erwin R., Central City, Iowa. Egg tester. 1,739,599; Dec. 17.
 Gerdes, Henry T., Lebanon, Pa., and A. F. Schumann, Baltimore, Md., assignors to Hauck Manufacturing Company, Brooklyn, N. Y. Burner apparatus. 1,740,296; Dec. 17.
 Gerngross, Otto, Berlin-Grunewald, and K. Rülke, Charlottenburg, assignors, by mesne assignments, to Kall-Chemie A. G., Berlin, Germany. Disinfectant, antiseptic, and healing medium. 1,739,586; Dec. 17.
 Gerrard, Alec J., assignor to The Gerrard Company, Inc., Chicago, Ill. Wire package binder. 1,739,962; Dec. 17.
 Gerrard Company, The. (See Bryce, J. W., and Getz.)
 Getz, Charles H. (See Bryce, J. W., and Getz.)
 Giambra, Gandolfo, Paterson, N. J. Automatic serving device for restaurants. 1,739,900; Dec. 17.
 Gibson, Hugo C., Philadelphia, Pa., assignor of one-half to E. H. Fairbanks, Merchantville, N. J. Lubrication fitting. 1,740,297; Dec. 17.
 Gletmann, Anton. (See Schuler, H., and Gletmann.)
 Gift House, Inc., The. (See Cohen, Morris, assignor.)
 Gilchrist Company, The. (See Gilchrist, Raymond B., assignor.)
 Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,739,635; Dec. 17.
 Giles, Henry H. (See Inglefield, C. L., and Giles.)
 Girard, Henry O., Nashua, N. H. Table. Des. 80,118; Dec. 17.
 Glantz, Paul, New York, N. Y. Lemon-slice squeezer. 1,740,170; Dec. 17.
 Glaxner, Herman J., Fairbanks, La., assignor to Columbian Carbon Company, New York, N. Y. Apparatus for packing powders. 1,739,790; Dec. 17.
 Globe-Wernicke Company, The. (See Blaine, John E., assignor.)
 Godal, Arne, Vestre Aker, near Oslo, Norway. Bleaching fatty acids. 1,740,012; Dec. 17.
 Goldberg, Max, New York, N. Y. Appliqué textile fabric or similar article. Des. 80,119; Dec. 17.
 Golden Nugget Sweets. (See Olsen, Andrew, Jr., and J. A., assignors.)
 Goldsmith, Hugo, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Athletic protective device. 1,740,171; Dec. 17.
 Goldsmith, P. Sons Company, The. (See Goldsmith, Hugo, assignor.)
 Goodell-Pratt Company. (See Wilcox, George R., assignor.)
 Goodrich, B. F., Company, The. (See Foerstner, George E., assignor.)
 Goodrich, Chauncey M., Windsor, Ontario, Canada. Tower arm. 1,740,398; Dec. 17.
 Goodrich, Norris E., assignor to Sanitarium & Hospital Equipment Co., Battle Creek, Mich. Light-treatment apparatus. 1,739,509; Dec. 17.
 Gordyn, Cornelius, Jr. (See Snyder, G. C., Gordyn, van de Kamp, and Maitland.)
 Gould Coupler Company. (See Sauvage, William H., assignor.)
 Gould, Andrew N., Stockton, Calif. Scaffold horse. 1,739,718; Dec. 17.
 Graf, Albert J., Westfield, and W. K. Eckhard, Dunellen, N. J., assignors to R. Hoe & Co. Inc., New York, N. Y. Cylinder adjustment for off-set printing machines. 1,739,963; Dec. 17.
 Grant, John. (See Campbell, Stewart L., assignor.)

Granville, Bernard, New York, N. Y., assignor to Granville Holding Corporation. Flexible shaft. 1,739,756; Dec. 17.
 Granville Holding Corporation. (See Granville, Bernard, assignor.)
 Grasselli Chemical Company, The. (See Boertlein, John C., assignor.)
 Gray, G. A., Company, The. (See Cardullo, F. E., and Hunt, assignors.)
 Green, Charles W., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,739,668; Dec. 17.
 Greenberg, Louis, Chicago, Ill. Oscillating device. 1,739,587; Dec. 17.
 Greene, Arthur S., North Milwaukee, Wis. Receptacle holder. 1,739,588; Dec. 17.
 Greenlee Bros. & Co. (See Abramson, John H., assignor.)
 Greenwald, Oscar, Brooklyn, assignor to Saco-Lowell Instrument Corporation, Watertown, N. Y. Pocket-thermometer case. 1,739,669; Dec. 17.
 Greenwood, Oliver P., Billerica, and H. B. Bettinger, Waltham; said Greenwood assignor to Saco-Lowell Shops, Lowell, Mass. Refrigerator lining and manufacturing same. 1,740,237; Dec. 17.
 Griffin, Michael, Cincinnati, and H. Auburn, Mount Healthy, assignors to The Tenacity Manufacturing Company, Reading, Ohio. Sheet shifter. 1,739,547; Dec. 17.
 Griffith, Charles J., St. Louis, Mo. Railway structure. 1,739,638; Dec. 17.
 Grimes, William F., Pasadena, Calif. Apparatus for measuring distance. 1,739,901; Dec. 17.
 Gross, Emil, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bearing. 1,740,084; Dec. 17.
 Grubner, Josef, Berlin, Germany. Press for the production of artistic prints and impressions. 1,740,399; Dec. 17.
 Guinot, Henri M. (See Ricard, E., and Guinot.)
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Horn-reinforcing means. 1,739,791; Dec. 17.
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Mouthpiece for musical instruments. 1,740,013; Dec. 17.
 Gunderman, Lester S., Pittsburgh, Pa. Gravity toy or game. 1,739,719; Dec. 17.
 Gustafson, Carl L., Chicago, Ill. Work-holding clamp. 1,740,238; Dec. 17.
 Hagemo, Ingvald J. A., Minneapolis, Minn., assignor, by mesne assignments, to J. E. Ridenour, Waterloo, Iowa. Savings bank and toy. 1,740,172; Dec. 17.
 Hagen, Wilhelm. (See Fehse, W., and Hagen.)
 Hagmaier, William G., West Allis, and E. C. Shaw, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Band sawmill. 1,740,085; Dec. 17.
 Hagmaier, William G., West Allis, and E. C. Shaw, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Root-cutting machine. 1,740,086; Dec. 17.
 Hagman, William J., Philadelphia, Pa. Forge hammer. 1,740,341; Dec. 17.
 Haight, Galen A., Detroit, Mich. Piston. 1,739,792; Dec. 17.
 Hainline, Walter D., San Francisco, Calif. Pin-tumbler lock. 1,739,964; Dec. 17.
 Hall, Allan E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Sheave structure. 1,740,087; Dec. 17.
 Hall, Charles S., Los Angeles, Calif., assignor to Hall Engineering & Aircraft Construction Company. Aircraft-propelling mechanism. 1,740,088; Dec. 17.
 Hall Engineering & Aircraft Construction Company. (See Hall, Charles S., assignor.)
 Hall, George R., Waterville, Kans. Awning. 1,740,400; Dec. 17.
 Halloran, John J. (See Berndt, R. F., and Halloran.)
 Hallowell, Howard T., assignor to Standard Pressed Steel Company, Jenkintown, Pa. Platform truck. 1,739,589; Dec. 17.
 Hamill, Fred B., et al., executors. (See Heinz, Julius A.)
 Hammerstrom, Norman E., Galesburg, Ill. Cigar and cigarette lighter. 1,740,089; Dec. 17.
 Hammon, James H., Vincennes, Ind. Spectacle lens. 1,740,298; Dec. 17.
 Hand, Augustin J., assignor to California Corrugated Culvert Co., Berkeley, Calif. Making welded spiral pipe. 1,739,757; Dec. 17.
 Hanley, Frank H., assignor to Hanley Manufacturing Company, Detroit, Mich. Electric iron. 1,739,720; Dec. 17.
 Hanley Manufacturing Company. (See Hanley, Frank H., assignor.)
 Hansen, August O., assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace. 1,739,836; Dec. 17.
 Hansen, Christian, Wiesdorf-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Recovery of sulphurous acid from waste gases. 1,740,342; Dec. 17.
 Harding Engineering Company. (See Wright, Wallace C., assignor.)
 Hardinge Brothers, Inc. (See Hardinge, Franklin, assignor.)
 Hardinge, Franklin, assignor to Hardinge Brothers Inc., Chicago, Ill. Oil burner. 1,739,548; Dec. 17.
 Hardt, Emil F., Detroit, Mich. Tool box. 1,739,793; Dec. 17.

Harnischfeger Corporation. (See Kraynick, Steve, assignor.)
 Harris, Arthur J., Paterson, N. J. Ribbon and the like roll pack. 1,739,549; Dec. 17.
 Harris, Harry, Los Angeles, Calif. Chair. 1,740,090; Dec. 17.
 Hart, Franklin H., New Haven, and W. A. Carmichael, Hamden, assignors to C. Cowles & Company, New Haven, Conn. Locker-door lock. 1,739,510; Dec. 17.
 Hartford-Empire Company. (See Genest, Homer A., assignor.)
 Hartford-Empire Company. (See Lorenz, Edward H., assignor.)
 Hartford-Empire Company. (See Peller, Karl E., assignor.)
 Hartman, Louis H., Toledo, Ohio, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valve bag and making same. 1,739,758; Dec. 17.
 Hartwell, Benjamin P., Winchester, Mass. Machine for making laminated counter blanks and other articles. 1,739,670; Dec. 17.
 Hastings, Homer, Detroit, Mich. Tire valve. 1,740,173; Dec. 17.
 Hatten, William V., et al. (See Leak, William, assignor.)
 Hawkins, Alda E., Fort Worth, Tex. Vehicle propeller for endless conveyers. 1,740,014; Dec. 17.
 Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,739,637; Dec. 17.
 Hayman, William C., Schenectady, N. Y., assignor to General Electric Company. Three-conductor cable. 1,740,343; Dec. 17.
 Hazeltine Corporation. (See Hazeltine, Louis A., assignor.)
 Hazeltine, Louis A., Oakland, Calif., assignor to Hazeltine Corporation. Wave signaling system. Re17,539; Dec. 17.
 Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Press brake. 1,739,902; Dec. 17.
 Hauck Manufacturing Company. (See Gordes, H. T., and Schumann, assignors.)
 Heath, Wilfrid P., Seattle, Wash., assignor to Zenith Radio Corporation, Chicago, Ill. Tuning radioreceivers. Re17,531; Dec. 17.
 Heberlein, Georges, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Production of pattern effects upon textile goods. 1,739,965; Dec. 17.
 Heberlein, Georges, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Production of pattern effect upon textile goods. 1,739,966; Dec. 17.
 Heberlein Patent Corporation. (See Heberlein, Georges, assignor.)
 Hedén, Gustaf, New York, N. Y. Buoying and driving mechanism for flying machines. 1,739,967; Dec. 17.
 Heiny, Anatole C. (See Horton, C., Van Deventer, and Heiny.)
 Heinz Floral Rack Co. (See Heinz, Julius A., assignor.)
 Heinz, Julius A., deceased, by K. K. Heiny, Pesotum, and F. B. Hamill, Champaign, executors, assignors to Heinz Floral Rack Co., Chicago, Ill. Arm and bottle holder. 1,740,344; Dec. 17.
 Heinz, Kathryn K., et al., executors. (See Heinz, Julius A.)
 Helzel, John N., Warren, Ohio. Traffic line and joint machine and producing same. 1,740,345; Dec. 17.
 Henkle, John R., Chicago, Ill., assignor to Mercury Manufacturing Company. Portable jack. 1,740,299; Dec. 17.
 Henrekson, John W., Stockholm, Sweden. Arrangement in water-closets. 1,740,346; Dec. 17.
 Hengsey, Roy O., Oconomowoc, Wis. Heat exchanger. 1,740,390; Dec. 17.
 Hentschel, Paul J., assignor to Monarch Products Company, Baltimore, Md. Gas-stove-due attachment. 1,739,968; Dec. 17.
 Herlinger, Harold V. (See Beebe, M. C., Herlinger, and Swain.)
 Hersher, Jacob, Brooklyn, assignor of one-half to Solomon Tauber, New York, N. Y. Trousers. Des. 80,120; Dec. 17.
 Hessenbrunsh, Hermann M., Rosemont, assignor of one-half to E. L. Davis, Philadelphia, Pa. Bending apparatus. 1,740,091; Dec. 17.
 Hevern, Earl R., Oxford, Iowa. Embalmer's trocar. 1,740,174; Dec. 17.
 Heyden Chemical Corporation. (See Beinroth, Hugo, assignor.)
 Heyman, Benjamin, Baltimore, Md., assignor to Anchor Post Fence Company, Jersey City, N. J. Gate lock. 1,740,301; Dec. 17.
 Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
 Higgins, Harry A., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,739,671; Dec. 17.
 Higgins, Harry A., assignor to Long Manufacturing Company, Detroit, Mich. Fin construction. 1,739,672; Dec. 17.
 Highway Trailer Company. (See Williams, Leroy E., assignor.)
 Hillebrandt, Johann, Wallkellen, assignor to the firm Maschinenfabrik Oerlikon, Oerlikon near Zurich, Switzerland. Idler pulley drive particularly for ring spinning and doubling frames. 1,739,550; Dec. 17.
 Hildorf, Walter G., assignor to Reo Motor Car Company, Lansing, Mich. Hardening articles. 1,740,347; Dec. 17.

Hill, John A., assignor of one-third to M. H. Shirley, Kansas City, Mo. F-shook-fastening device. 1,739,590; Dec. 17.
 Hitzeman, Arnold P., assignor to Wayne Company, Fort Wayne, Ind. Liquid-dispensing apparatus. 1,740,348; Dec. 17.
 Hobson, John H., assignor of one-fifth to J. A. Brown, one-fifth to C. A. Swarens, one-fifth to W. J. Brown, and one-fifth to W. T. Feazell, Sulphur Springs, Ark. Switch. 1,739,673; Dec. 17.
 Hodell, Frederick G., Cleveland Heights, assignor to The Chain Products Company, Cleveland, Ohio. Tire chain. 1,740,082; Dec. 17.
 Hodge, Lewis W. (See Payne, J. M., and Hodge.)
 Hodges, Walter F. (See Hodges, William, and W. F.)
 Hodges, William & Company. (See Hodges, William, and W. F., assignors.)
 Hodges, William and W. F., assignors to William Hodges & Company, Philadelphia, Pa. Kitchen utensil. 1,740,302; Dec. 17.
 Hoe, R. & Co. Inc. (See Graf, A. J., and Erhardt, assignors.)
 Hoffmann, Simon, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Kassel-Willems-höhe, Germany. Cylindrical marine boiler with super-heater. 1,740,239; Dec. 17.
 Hohullin, Samuel, deceased, Goodfield, Ill. H. B. Schumacher, administrator. Support for milking pails. 1,739,674; Dec. 17.
 Holdeman, Harry R., assignor to J. M. Feldman Co. Inc., Los Angeles, Calif. Wall plate for lighting fixtures or similar articles. Des. 80,121; Dec. 17.
 Holophane Company. (See Dorey, William A., assignor.)
 Holzel, Johannes, Munich, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Third-rail guard. 1,739,591; Dec. 17.
 Honey, Charles F., Cleveland, Ohio. Cataphoric electrode. 1,740,240; Dec. 17.
 Hooper, Alexander C., Pasadena, and J. W. McPhee, Long Beach, Calif., assignors to The Snap Valve Corporation. Sprinkler valve. 1,740,015; Dec. 17.
 Hooper, James P., Ruxton, assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Knockdown pool. 1,740,303; Dec. 17.
 Hooper, James P., and E. C. Clayton, Ruxton, assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Knockdown portable pool. 1,740,305; Dec. 17.
 Hooper, Wm. E., & Sons Company. (See Hooper, James P., assignor.)
 Hooper, Wm. E. & Sons Company. (See Hooper, J. P., and Clayton, assignors.)
 Hoops, Howard C., et al. (See Monnment, George A., assignor.)
 Hopkins, George W., Cleveland, Ohio. Film hanger. 1,740,175; Dec. 17.
 Hopkes, Charles E., assignor to The Everwear Manufacturing Company, Springfield, Ohio. Playground apparatus. 1,740,304; Dec. 17.
 Horelick, Samuel, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer. 1,740,093; Dec. 17.
 Hormel, Geo. A., & Company. (See Hormel, J. C., Corey, and Cashman, assignors.)
 Hormel, Jay C., Lansing Township, Mower County, H. H. Corey and E. J. Cashman, assignors to Geo. A. Hormel & Company, Austin, Minn. Poultry package and making same. 1,740,176; Dec. 17.
 Horton, Charles, Ridgefield Park, N. J., H. R. Van Deventer, New York, N. Y., and A. C. Heiny, Ridgefield Park, N. J., assignors to Duhler Condenser Corporation, New York, N. Y. Condenser-assembling machine. 1,740,177; Dec. 17.
 Horton Manufacturing Company, The. (See Broadwell, H. S., and Thorpe, assignors.)
 Hostetter, Willis M., Miami, Fla. Mixing-bowl holder. 1,740,401; Dec. 17.
 Hotchkiss, Blue & Co. Ltd. (See Bernbaum, J. W., and Wright, assignors.)
 Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure. 1,739,759; Dec. 17.
 Houghton, E. E., & Company. (See Robue, William A., assignor.)
 Howard, John H., Walnut Park, and H. N. Marsh, Los Angeles, Calif. Pump dynamometer. 1,739,675; Dec. 17.
 Hübbschman, Jerry, Great Neck, N. Y. Aeroplane. 1,740,016; Dec. 17.
 Huff, Victor C., East Orange, N. J. Nut lock. 1,740,094; Dec. 17.
 Huggins, James D., Bolling Springs, N. C. Brooder. 1,740,402; Dec. 17.
 Hull, John C., Gasport, N. Y. Spray gun. 1,740,241; Dec. 17.
 Hunt, Clarence E., Monterey Park, Calif. Piano-pedal extension. 1,740,017; Dec. 17.
 Hunt, Howard W. (See Cardulla, F. E., and Hunt.)
 Hurlbrink, Ernst, assignor to firm Martin & Hüneke Maschinenbau-Aktiengesellschaft, Berlin, Germany. Apparatus for storing and dispensing liquid fuels. 1,740,306; Dec. 17.
 Huitheson, J. M. (See White, John C., assignor.)
 Hyatt, Lawrence H., New York, N. Y. Sign. 1,739,592; Dec. 17.
 Hyman, George, New York, N. Y. Advertising sign. 1,739,837; Dec. 17.

Hyslop, Samuel, Newton, Mass. Thread clearer. 1,740,242; Dec. 17.
 I. G. Farbenindustrie Aktiengesellschaft. (See Benda, L., and Stevers, assignors.)
 I. G. Farbenindustrie Aktiengesellschaft. (See Hansen, Christian, assignor.)
 I. G. Farbenindustrie Aktiengesellschaft. (See Rosenthal, L., and Lenhard, assignors.)
 Imperial Brass Manufacturing Company, The. (See Dorsey, Farmer, assignor.)
 Ingersoll-Rand Company. (See Morrison, William A., assignor.)
 Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
 Ingersoll, Robert H., deceased, New York, N. Y.; C. S. Smith, Lansing, Mich., and F. C. Leubuscher, Essex Falls, N. J., executors, assignors to Robt. H. Ingersoll, Inc., New York, N. Y. Razor-blade stropper. 1,740,243; Dec. 17.
 Ingersoll, Robert H., deceased, New York, N. Y.; C. S. Smith, Lansing, Mich., and F. C. Leubuscher, Essex Falls, N. J., executors, assignors to Robt. H. Ingersoll, Inc., New York, N. Y. Razor stropper. 1,740,349; Dec. 17.
 Ingersoll, Robt. H., Inc. (See Ingersoll, Robert H., assignor.)
 Ingelfield, Charles L., Bellevue, and H. H. Giles, Monessen, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Tin-plate-cleaning machine. 1,739,593; Dec. 17.
 Ingraham, Frank E., Wellington, Ohio. Door-operating device. 1,740,350; Dec. 17.
 Inland-Stuart Linings, Inc. (See Morehead, James C., assignor.)
 International Combustion Engineering Corporation. (See De Lorenzi Otto, assignor.)
 International Combustion Engineering Corporation. (See Hansen, August O., assignor.)
 International Time Recording Company of New York. (See Bryce, J. W., and Getz, assignors.)
 Intertype Corporation. (See Freund, Herman R., assignor.)
 Intingaro, Biagio, New Rochelle, N. Y. Radiator ornament. Des. 80,122; Dec. 17.
 Intingaro, Biagio, New Rochelle, N. Y. Radiator ornament. Des. 80,123; Dec. 17.
 Intingaro, Biagio, New Rochelle, N. Y. Radiator ornament. Des. 80,124; Dec. 17.
 Isler, William, et al. (See Schmits, Fred A., assignor.)
 Isobe, Hajime, Ochiai-Machi, Toyotama-Gori, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Dehydrating substance. 1,740,351; Dec. 17.
 Jackson, George P., Flushing, N. Y., assignor to Combustion Engineering Corporation. Furnace protection. 1,739,594; Dec. 17.
 Jacobsen, Emil, Plandome, N. Y., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. Re17,526; Dec. 17.
 Jacobson, Benno Y., New York, N. Y. Drinking flask. Des. 80,125; Dec. 17.
 Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,739,760; Dec. 17.
 Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler baffle. 1,739,969; Dec. 17.
 Jacot, Charles A., La Chaux-de-Fonds, Switzerland. Automatic gas-tap control. 1,739,595; Dec. 17.
 Jacques, René L., Laurent de la Ville le Roulex. (See Conti, James T., assignor.)
 Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Light-valve transmitter. 1,740,352; Dec. 17.
 Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Weather-map pen box. 1,740,353; Dec. 17.
 Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Split switching gear. 1,740,354; Dec. 17.
 Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
 Jensen, Andrew M., Stockton, Calif. Envelope opener. 1,740,018; Dec. 17.
 Jervan, Ole S., Milwaukee, Wis. Thermostatic-control fan for internal-combustion engines. 1,740,095; Dec. 17.
 Jeter, Luther, Louisville, Ky. Saw-tooth-filing device. 1,740,019; Dec. 17.
 Jewel Emblem Manufacturing Company. (See Peplin, Joseph N., assignor.)
 Jockmus, Charles H., Ansonia, Conn. Valve unit for steam traps. 1,739,688; Dec. 17.
 Jockmus, Charles H., Ansonia, Conn. Radiator valve. 1,739,721; Dec. 17.
 Johnson, Gustav H., Philadelphia, Pa. Automatic temperature-control apparatus. 1,739,903; Dec. 17.
 Johnson Automobile Lock Company. (See Johnson, Colvin L., assignor.)
 Johnson Automatic Sealer Co. (See Robinson, George A., assignor.)
 Johnson, Colvin L., assignor, by mesne assignments, to Johnson Automobile Lock Company, St. Louis, Mo. Locking means for automatic gear-shift mechanisms. 1,740,096; Dec. 17.
 Johnson, Dexter, G., and W. L. Campbell, Oklahoma City, Okla. Bowling-alley-surfacing machine. 1,740,244; Dec. 17.

Johnson, Edward P., Chicago, Ill. Safety guard for punch presses. 1,740,419; Dec. 17.
 Johnson, Frank L., Akron, Ohio. Collapsible core. 1,740,245; Dec. 17.
 Johnson, John A. (See Barnes, C. E., and Johnson.)
 Johnson, Frederick W., Excelsior, Minn. Pump structure. 1,739,838; Dec. 17.
 Johnson, Orville C., Aurora, Ill. Closure operator. 1,740,020; Dec. 17.
 Johnston, Cyril P., Croydon, England. Carillon mechanism. 1,740,355; Dec. 17.
 Johnston, Herbert A. (See Doughty, G. A., and Johnston.)
 Jolly, Richard W., Wimbledon, London, assignor to British Electric Meters, Limited, London, England. Electrical switch. 1,739,596; Dec. 17.
 Jones, Charles L., Pittsburgh, Pa. Electric switch. 1,740,307; Dec. 17.
 Jones, Eliaba B., assignor of one-half to E. H. Waddington, Kansas City, Mo. Detachable washing apparatus. 1,740,097; Dec. 17.
 Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)
 Jones, Percival W., Warwick, assignor to Rosenheim Co. Inc., Providence, R. I. Extension device. 1,739,676; Dec. 17.
 Jordan, Hans, Karlsruhe, Berlin, Germany, assignor to General Electric Company. Electrical conductor. 1,740,403; Dec. 17.
 Jung, Peter, Berlin-Neukölln, Germany. Agglomerating ore, mineral, or other matter, and the product produced thereby. 1,739,589; Dec. 17.
 Junkers, Hugo. (See Mader, Otto, assignor.)
 Junkers, Hugo, Dessau, Germany. Assembling and repairing flying machines. 1,740,021; Dec. 17.
 Justrite Manufacturing Company. (See Raster, Walther, assignor.)
 Kaiser, Christian J., Great Falls, Mont. Ventilated toilet bowl. 1,740,246; Dec. 17.
 Kalamazoo Sled Company. (See Kidder, William E., assignor.)
 Kalberer, George J., Hamilton, Ohio. Truck. 1,740,404; Dec. 17.
 Kall-Chemie A. G. (See Gerngross, O., and Rülke, assignor.)
 Kamei, Torao, Tokyo-Shi, and F. Kuwata, Tokyo-Fu, Japan. Terrestrial globe. 1,740,022; Dec. 17.
 Kane, John J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical power system. 1,740,356; Dec. 17.
 Kapella Limited. (See Lee, Horace W., assignor.)
 Karl-Keen Manufacturing Company. (See Cormican, Robert M., assignor.)
 Karmazin, John, Detroit, Mich. Forming radiators. 1,740,098; Dec. 17.
 Kasharian, Henry, Boston, Mass. Curtain holder. 1,739,551; Dec. 17.
 Kauffman, Harry M., Philadelphia, Pa. Dispensing machine. 1,739,970; Dec. 17.
 Kaufman, Tobias J. (See Crane, R. E., and Kaufman.)
 Kawner Company, The. (See Cameron, Carl F., assignor.)
 Kazamias, Michael Th., Lowell, assignor to Draper Corporation, Hopedale, Mass. Shuttle eye. 1,740,023; Dec. 17.
 Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Electric switching arrangement. 1,740,405; Dec. 17.
 Keck, George S., Pasadena, Calif., assignor to Pilot Ray Corporation, Wilmington, Del. Dirigible headlight. 1,740,178; Dec. 17.
 Kellewey, William G., New York, N. Y. Partition strip for composition flooring. 1,740,179; Dec. 17.
 Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Sound-recording apparatus. 1,740,406; Dec. 17.
 Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)
 Kendall, George E., Kalamazoo, Mich. Manufacturing artificial stone. 1,739,677; Dec. 17.
 Kendall, Sydney W., Ealing, London, England. Proofing cellulosic, animal, and other substances against insects, animals, and organisms. 1,739,840; Dec. 17.
 Kent, Philip J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Identification-plate frame. 1,739,971; Dec. 17.
 Kent, Willys P., New York, N. Y. Phonograph-record-translating device. 1,739,794; Dec. 17.
 Kessler, John J., St. Louis, Mo. Indurated porous object and making same. 1,739,597; Dec. 17.
 Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
 Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Expandable band or bracelet. 1,739,722; Dec. 17.
 Keystone Driller Company. (See Downie, Robert R., assignor.)
 Kidder, William E., assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Folding chair. 1,739,552; Dec. 17.
 Kiefer, Edward J., New York, N. Y. Glass-polishing machine. 1,740,247; Dec. 17.
 Kiehler, Anna M., executrix. (See Marshall, W., and Kiehler.)
 Kiehler, Frederick. (See Marshall, W., and Kiehler.)

Kimball, James L., Beverly, assignor to Ruggles-Kluge-mann Mfg. Company, Salem, Mass. Electric motor-driven intermittent-driving gear. 1,740,436; Dec. 17.
 Kimball-Krogh Pump Company. (See Schlegel, R. M., and Bowler, assignors.)
 King, Jesse G., Dayton, Ohio, assignor by mesne assignments to Fridaire Corporation. Refrigerating apparatus. 1,739,839; Dec. 17.
 King, Jesse G., Dayton, Ohio, assignor by mesne assignments to General Motor Research Corporation. Refrigerating apparatus. 1,739,723; Dec. 17.
 Kingston, A. Roy, et al. (See Kingston, Thomas H., assignor.)
 Kingston, Frank G., et al. (See Kingston, Thomas H., assignor.)
 Kingston, Thomas H., West Somerville, assignor, by mesne assignments, to F. G. Kingston, Somerville, A. R. Kingston, Arlington, and C. C. Pimm and M. G. Kitchen, Somerville, Mass., a Partnership doing business as Builders' Patent Scaffolding Company. Ledger-board clamp. 1,739,904; Dec. 17.
 Kinsel, Arthur V., assignor of one-half to C. Watts, Los Angeles, Calif. Piston and piston ring. 1,739,841; Dec. 17.
 Kirchoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough molder. 1,740,024; Dec. 17.
 Kirkevold, Emma P., Brookings County, S. Dak. Preserving jar. 1,739,905; Dec. 17.
 Kissinger, Joseph B., assignor to M. B. Kissinger, New York, N. Y. Novelty watch. 1,740,426; Dec. 17.
 Kissinger, Joseph B., assignor to M. B. Kissinger, New York, N. Y. Watch construction. 1,740,427; Dec. 17.
 Kissinger, Marie B. (See Kissinger, Joseph B., assignor.)
 Kitchen, Mabel G., et al. (See Kingston, Thomas H., assignor.)
 Kjolseth, Ole K., Scotia, N. Y., assignor to General Electric Company. Restraining device. 1,740,357; Dec. 17.
 Klaiber, Walter J., Pittsburgh, Pa., assignor to The Koppers Company. Dehydrating gas. 1,740,248; Dec. 17.
 Klees, Albert L., assignor to Combustion Utilities Corporation, New York, N. Y. Burning liquid fuel. 1,740,249; Dec. 17.
 Klein, James J., New York, assignor to The Superlative Novelty Co., Brooklyn, N. Y. Material-dispensing device for containers. 1,739,678; Dec. 17.
 Kleinfeldt, Henry F., Hopatcong Borough, N. J., assignor to Abbe Engineering Co. Grinding or pulverizing gummy, pasty, or viscous material. 1,739,761; Dec. 17.
 Klenow, Erik W. R., Frederiksberg, near Copenhagen, Denmark. Motion-controlling device. 1,739,906; Dec. 17.
 Klumala, Joseph, Chicago, Ill. Railway signal. 1,739,842; Dec. 17.
 Klinger, Harry W., Sunbury, Pa. Cable splitter. 1,739,972; Dec. 17.
 Knapp, David R., Philadelphia, Pa. Material-handling apparatus. 1,739,598; Dec. 17.
 Knight, George D., Redwood City, Calif., assignor to E. Winslip, Macos, Ga. Acid-resisting apparatus. 1,739,843; Dec. 17.
 Knox, Harry A., Davenport, Iowa. Packing unit. 1,740,423; Dec. 17.
 Kobe, Inc. (See Coberly, Clarence J., assignor.)
 Kobseff, Joakime, Bizerta, Tunisia. Apparatus for preventing incrustation in steam boilers. 1,739,640; Dec. 17.
 Koebel, Charles J. (See Koebel, Frank E. and C. J.)
 Koebel, Frank E., Glen Ridge, and C. J. Koebel, Weehawken, N. J. Determining the wear of diamond-pointed tools and the like. 1,739,553; Dec. 17.
 Kogelschatz, Henry C., Oklahoma City, Okla., assignor to G. A. Croft, Fairfield, Neb. Rim tool. 1,740,099; Dec. 17.
 Kohn, Oscar, Chicago, Ill., assignor to Aquatone Corporation. Intaglio offset lithographic plate and making same. 1,740,423; Dec. 17.
 Kohout, George A., Chicago, Ill. Furnace. 1,739,907; Dec. 17.
 Kollman, William F., Westgate, Iowa. Seed container and dispenser. 1,739,599; Dec. 17.
 Koppers Company, The. (See Klaiber, Walter J., assignor.)
 Kornblum, Morris, Brooklyn, N. Y., assignor to Metal Lamp Corporation. Lamp. Des. 80,126; Dec. 17.
 Kraber, Frank J., Cleveland, Ohio, assignor to Kraberhall, Inc., Philadelphia, Pa. Nut lock. 1,740,308; Dec. 17.
 Kraberhall, Inc. (See Kraber, Frank J., assignor.)
 Kramer, Frank G., Upper Darby, Pa. Apparatus for elevating liquids. 1,739,511; Dec. 17.
 Krasheninnikov, John, Astoria, N. Y. Fencing implement. 1,739,795; Dec. 17.
 Krauth & Benninghofen. (See Schlichter, Oscar, assignor.)
 Kravnick, Steve, assignor to Harnischfeger Corporation, Milwaukee, Wis. Collector. 1,739,844; Dec. 17.
 Krueger, Gerhard J. (See Mahler, E. C., and Krueger.)
 Kutz, Ellsworth M., Jr. (See Kutz, Ellsworth M., sr., W. S. S., and E. M., Jr.)
 Kutz, Ellsworth M., sr., W. S. S., and E. M., Jr., Weaver-town, Pa. Silo attachment. 1,740,250; Dec. 17.
 Kutz, Winfield S. (See Kutz, Ellsworth M., sr., W. S. S., and E. M., Jr.)
 Kuwata, Fukutaro. (See Kamel, T., and Kuwata.)
 La Crosse Rubber Mills Co. (See Bott, E. S., and Funk, assignors.)

La France, Richard, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming glass articles. 1,739,845; Dec. 17.
 Laib, William L., Chicago, Ill. Lamp hood for electric lamps. 1,739,679; Dec. 17.
 La Jole, Hubert J., Maplewood, N. J., assignor to Auto Pneumatic Action Company, New York, N. Y. Combination player piano, radio, and phonograph. 1,739,680; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Recording dynamometer and measuring load variations. 1,739,724; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Swabbing method for initiating gas lift. 1,740,100; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Simultaneous balanced-pressure and injection method for initiating gas lift in oil wells. 1,740,101; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Displacing dead casing oil for initiating gas lift in oil wells. 1,740,102; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Alternate pressure-balancing method for initiating gas lift in oil wells. 1,740,103; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Aeration method for establishing gas lift in oil wells. 1,740,104; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Rock-over method of establishing gas lift operations in oil wells. 1,740,105; Dec. 17.
 Lake, Francis W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Centralized header system for gas and air lift operations. 1,740,106; Dec. 17.
 Lalanc and Grosjean Manufacturing Company. (See Burvenick, Benjamin, assignor.)
 Lamar, Ralph E., Pueblo, Colo. Merry-go-round. 1,739,725; Dec. 17.
 Lamb, Arthur B., trustee. (See Ernst, F. A., and Young, assignors.)
 Lambert, Leo J., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,740,251; Dec. 17.
 Lambert, Leo J., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine and method. 1,740,407; Dec. 17.
 Lambert, Leo J., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,740,411; Dec. 17.
 Landis Machine Company. (See Newman, Samuel F., assignor.)
 Lang, Charles E., Corsicana, assignor of one-fourth to J. A. Muncy and one-fourth to P. G. Midgett, Dallas, Tex. Drill bit for boring wells. 1,739,846; Dec. 17.
 Langen, George H. (See Linden, C. E., and Langen.)
 Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Photo-electric device. 1,740,252; Dec. 17.
 Lantz, Louis A., and Ronald Watson, Manchester, England. Production of aniline black on textile fibers. 1,739,908; Dec. 17.
 Larson, C. B., & Co. (See Larson, Carl B., assignor.)
 Larson, Carl B., Maplewood, assignor to C. B. Larson & Co., Inc., Irvington, N. J. Belt-lacing machine. 1,740,180; Dec. 17.
 Larson, Carl B., Maplewood, assignor to C. B. Larson & Co., Inc., Irvington, N. J. Belt lacing. 1,740,181; Dec. 17.
 Lathrop, Elmer C. (See Munroe, T. B., and Lathrop.)
 Lathrop, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Articulated car. 1,740,358; Dec. 17.
 La Tessa, Tully, assignor to The Merit Company, Chicago, Ill. Casket. Des. 80,127; Dec. 17.
 Laurent de la Ville le Roux, René L. J. (See Conti, James T. F., assignor.)
 Lantenschlager, William F., Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass. Perforating machine. 1,739,681; Dec. 17.
 Lawton, C. A., Co. (See Marshall, Francis C., assignor.)
 Lazar, Emil, Milwaukee, Wis. Bolt-controlling fixture. 1,740,182; Dec. 17.
 Leak, William, assignor of one-fourth to W. V. Hatten, one-eighth to J. M. Endsley, and one-eighth to J. E. Zinn, Carthage, Mo. Rail clamp and brace. 1,740,359; Dec. 17.
 Leather, Felix J., London, England. Hood for automobiles and other vehicles. 1,740,025; Dec. 17.
 Lee, Horace W., assignor to Kapella Limited, Leicester, England. Photographic objective. 1,739,512; Dec. 17.
 L'Enfant, Charles, New York, N. Y. Assembling device. 1,739,762; Dec. 17.
 Lenhard, Wolfgang. (See Rosenthal, L., and Lenhard.)
 Lenney, Clarence B. and G. P., assignors to The Youngstown Pressed Steel Company, Warren, Ohio. Ironing table. 1,740,183; Dec. 17.
 Lenney, George P. (See Lenney, Clarence B. and G. P.)
 Lessmann, Herbert F., Des Moines, Iowa. Portable and adjustable light. 1,739,641; Dec. 17.
 Leubuscher, Frederic C., et al., executors. (See Ingersoll, Robert H.)

Le Veque, Florence L., Los Angeles, Calif. Woman's sock. Des. 80,128; Dec. 17.
 Le Veque, Florence L., Los Angeles, Calif. Woman's sock. Des. 80,129; Dec. 17.
 Le Veque, Florence L., Los Angeles, Calif. Woman's sock. Des. 80,130; Dec. 17.
 Levin, Michael, Brooklyn, N. Y. Closure for receptacles. 1,740,184; Dec. 17.
 Levy, Florian, Lake Charles, La. Garment supporter. 1,740,026; Dec. 17.
 Levy, M. S., & Sons, Inc. (See Ephraim, Ellis R., assignor.)
 Lewis, James B., Fort Smith, Ark. Annunciating switch device. 1,740,107; Dec. 17.
 Libani, Romolo, Genoa, Italy. Brake device for lifeboats. 1,740,027; Dec. 17.
 Libbey-Owens Glass Company. (See Allen, H. E., and Brown, assignors.)
 Libbey-Owens Glass Company. (See Crowley, Joseph P., assignor.)
 Libbey-Owens Glass Company. (See Ferngren, Enoch T., assignor.)
 Libbey-Owens Glass Company. (See Membourg, Leopold, assignor.)
 Libbey-Owens Glass Company. (See Stable, Erik G., assignor.)
 Light, Leslie F., Binghamton, assignor to Doughnut Machine Corporation, New York, N. Y. Coating machine. 1,739,642; Dec. 17.
 Linden, Carl E., and G. H. Langen, assignors to The Cincinnati Planer Company, Cincinnati, Ohio. Metal planer. 1,740,185; Dec. 17.
 Lindholm, John A., Wollaston, Mass. Variable-speed mechanism. 1,739,554; Dec. 17.
 Linn, Albin T., Port Angeles, Wash. Pin lock. 1,739,847; Dec. 17.
 Lippold, Adolph J., Milwaukee, Wis., assignor, by mesne assignments, to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Bottle-decapping apparatus. 1,740,186; Dec. 17.
 Lisby, Tichman H., Tuscarora, Nev. License-plate holder. 1,739,682; Dec. 17.
 Livergood, Gerald R., Houston, Tex. Holder for nursing bottles and the like. 1,739,900; Dec. 17.
 Livergood, Gerald R., Houston, Tex. Combined nipple and bottle holder. 1,739,910; Dec. 17.
 Lock, Jack, Greenville, S. C., assignor to J. E. Lock, Charlotte, N. C. Base protector for bobbins and method of assembling. 1,740,253; Dec. 17.
 Lock, Jack, Greenville, S. C., assignor to J. E. Lock, Charlotte, N. C. Base protector and driver for bobbins and the like. 1,740,309; Dec. 17.
 Lock, John E. (See Lock, Jack, assignor.)
 Locke Insulator Corporation. (See Hawley, Kent A., assignor.)
 Löffler, Stephan, Charlottenburg, near Berlin, Germany. Method and apparatus for generating steam, especially high-pressure steam. 1,740,254; Dec. 17.
 Lohman, Ralph W., Hollywood, Calif. Vacuum tube. 1,739,513; Dec. 17.
 Loislle, Frank P. (See Loislle, J. H., and Cohen, assignors.)
 Loislle, Joseph H., and N. B. Cohen, assignors of one-third to F. P. Loislle, Duluth, Minn. Snap link. 1,739,848; Dec. 17.
 Long, Dorothy, assignor to Franklin Simon & Co., New York, N. Y. Dress. Des. 80,131; Dec. 17.
 Long, Dorothy, assignor to Franklin Simon & Co., New York, N. Y. Coat. Des. 80,132; Dec. 17.
 Long, Dorothy, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 80,133; Dec. 17.
 Long, Dorothy, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 80,134; Dec. 17.
 Long Manufacturing Company. (See Higgins, Harry A., assignor.)
 Longoria, Antonio, Lakewood, Ohio. Casing for an air purifier. Des. 80,135; Dec. 17.
 Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,740,187; Dec. 17.
 Lopes, Ranulfo, et al. (See Cantú, Jesus, assignor.)
 L'Orange, Prosper, Mannheim, Germany. Fuel pump for internal-combustion engines. 1,740,360; Dec. 17.
 L'Orange, Prosper, Stuttgart, Germany. Spray-controlling device for road-scavenging machines. 1,740,361; Dec. 17.
 Lorenz, Edward H., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass-shaping machine. 1,740,310; Dec. 17.
 Loth, William A., Paris, France. Apparatus for producing variations of pressure. 1,739,600; Dec. 17.
 Lovelace, Edgar S. M., Westmount, Quebec, Canada. Topography level and transit. 1,740,255; Dec. 17.
 Lowe, Russell E. (See Fink, C. G., and Lowe.)
 Lowry, Clara F., Dassel, Minn. Bookholder and table. 1,739,643; Dec. 17.
 Lucas, Owen D., assignor to Vickers Limited, Westminster, England. Treatment of fibrous vegetable materials. 1,739,683; Dec. 17.
 Luckert, Millard B., Benton Harbor, Mich., assignor to Auto Specialties Manufacturing Company, San Francisco, Calif. Double-lift jack. Re17,527; Dec. 17.
 Luckett, Philip A., Norwalk, Conn. Sleeping garment. 1,740,028; Dec. 17.
 Lugt, Gerard J., assignor to Naamloose Vennootschap Nederlandse Fabriek van Werktuigen en Spoorwegmaterieel Genamd "Werkspoor," Amsterdam, Netherlands. Double-acting motor. 1,739,644; Dec. 17.

Lund, Alvin B., Claremont, S. Dak. Cow poke. 1,740,256; Dec. 17.
 Lyon, George A., Philadelphia, Pa., assignor, by mesne assignments, to American Chain Company, Inc. Vehicle buffer device. 1,739,849; Dec. 17.
 Lyon Metal Products. (See Vance, Walter N., assignor.)
 M. & B. Manufacturing Co. (See Mertsfelder, F. J., and Balze, assignors.)
 M & V Tank Company. (See McMurray, William G., assignor.)
 Machida, Toshio. (See Nagaoaka, H., Asada, and Machida.)
 MacLaren, Fred B. (See Braselton, C. H., and MacLaren.)
 Mader, Otto, assignor to H. Junkers, Dessau, Germany. Propeller-shaft support. 1,740,362; Dec. 17.
 Mahler, Edgar C., and G. J. Krueger, Wahpeton, N. Dak. Display and slicing device. 1,740,257; Dec. 17.
 Mahler, Paul, assignor to Darco Sales Corporation, New York, N. Y. Bleaching beeswax. 1,739,796; Dec. 17.
 Maitland, Charles E. A. (See Snayders, G. C., Gordyn, van de Kamp, and Maitland.)
 Makowski, John F., Oakland, Calif., assignor to Fireproof Wall Company, Reno, Nev. Lintel construction. 1,739,684; Dec. 17.
 Mambourg, Leopold, Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Nonreversible furnace. 1,739,973; Dec. 17.
 Manufacturers Machinery Company. (See Mudd, Garrett W., assignor.)
 Manzel, Adolph W. F., assignor to Manzel Bros. Co., Buffalo, N. Y. Shock absorber. 1,740,429; Dec. 17.
 Manzel Bros. Co. (See Manzel, Adolph W. F., assignor.)
 Marsh, Allan N. (See Howard, J. H., and Marsh.)
 Marshall, William, and C. W. Behnke, assignors to Briggs Manufacturing Company, Detroit, Mich. Windshield-regulator mechanism. 1,739,726; Dec. 17.
 Marshall, William, and F. Kiehler, deceased, by A. M. Kiehler, executrix, assignors to Briggs Manufacturing Company, Detroit, Mich. Bolt construction. 1,739,685; Dec. 17.
 Marble, Wilbur N., assignor of one-half to B. C. Oldham, Shreveport, La. Grapple. 1,739,601; Dec. 17.
 March, Carl, Chicago, Ill. Compound tool. Re17,532; Dec. 17.
 Marinsky, Davis, New York, N. Y. Expansion coupling device. 1,739,974; Dec. 17.
 Marinsky, Davis, New York, N. Y. Coupling member. 1,739,975; Dec. 17.
 Marinsky, Davis, New York, N. Y. Multiple-link resilient body. 1,739,976; Dec. 17.
 Marks, Herbert E., Sewickley, Pa. Slab-celling construction. 1,739,977; Dec. 17.
 Maronna, Vincenzo, New York, N. Y. Constructing the sleeves of garments. 1,739,797; Dec. 17.
 Marshall, Clinton E., Brooklyn, N. Y. Fountain pen. 1,740,189; Dec. 17.
 Marshall Field and Company. (See Nelson, Daniel, assignor.)
 Marshall, Francis C., Green Bay, assignor to C. A. Lawton Co., De Pere, Wis. Valve mechanism. 1,740,108; Dec. 17.
 Martens, Moritz, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Resistance-measuring instrument. 1,740,188; Dec. 17.
 Martin, Earl, Los Angeles, Calif. Awning-actuating mechanism. 1,740,190; Dec. 17.
 Martin, John F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Distributor plate. 1,739,555; Dec. 17.
 Martinez, Jesus, et al. (See Cantú, Jesus, assignor.)
 Martini & Hündke Maschinenbau-Aktiengesellschaft. (See Hurlbrink, Ernst, assignor.)
 Martinevich, Valentine, New York, N. Y. Gem or stone setting. 1,740,191; Dec. 17.
 Martocello, Joseph A., Philadelphia, Pa. Off-center bracket for ice cans. 1,739,978; Dec. 17.
 Martocello, Joseph A., Philadelphia, Pa. System for aerating ice cans. 1,739,979; Dec. 17.
 Martzloff, Armand, Versailles, assignor to Societe Anonyme des Automobiles "Unic," Puteaux, Seine, France. Brake-operating device. 1,740,363; Dec. 17.
 Maschinenfabrik Oerlikon. (See Hildebrandt, Johann, assignor.)
 Maso, Joseph Dal. (See Dal Maso, Joseph.)
 Mason, Wesley W., Baltimore, Md. Bottle closure. 1,739,763; Dec. 17.
 Mathewson, Maxwell I., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Machine tool. 1,739,764; Dec. 17.
 Maves, Emil W., Owen, and W. B. Mews, Marshfield, Wis. Switch-point-locking device. 1,740,365; Dec. 17.
 McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Matcher. 1,739,556; Dec. 17.
 McCord Radiator & Mfg. Co. (See Painter, William A., assignor.)
 McCormack, Clinton. (See Britton, C., and McCormack.)
 McCrea, George E., San Francisco, Calif. Airplane. 1,739,798; Dec. 17.
 McCready, Robert W., Ingersoll, Ontario, Canada. Restaurant. Des. 80,136; Dec. 17.
 McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Split reduction device. 1,739,602; Dec. 17.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor valve. 1,739,603; Dec. 17.
 McDonald, Ruby, et al. (See Faulhaber, Charles, assignor.)
 McEwen, Samuel M., University, Va. Subsoiler and aerator. 1,739,765; Dec. 17.
 McKenna Brass & Manufacturing Company. (See Enz, Henry M., assignor.)
 McKinney, John C., Minneapolis, Minn. Hotel clerk's room and information rack. 1,739,850; Dec. 17.
 McMurray, William G., assignor to M & V Tank Company, Wichita Falls, Tex. Thief-hole cover. 1,739,911; Dec. 17.
 McNaughton, Lawrence M. (See Bell, John A., assignor.)
 McNeil, Charles, Glasgow, Scotland. Heat-exchanging device. 1,740,192; Dec. 17.
 McPhie, James W. (See Hooper, A. C., and McPhie.)
 McTigue, Francis H., assignor to The Coburn Trolley Track Mfg. Co., Holyoke, Mass. Door hanger. 1,739,557; Dec. 17.
 Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 80,137; Dec. 17.
 Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 80,138; Dec. 17.
 Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 80,139; Dec. 17.
 Mercury Manufacturing Company. (See Henkle, John R., assignor.)
 Meritt Company, The. (See La Tessa, Tully, assignor.)
 Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Soluble oil containing ether derivatives of polyhydroxy alcohols. 1,739,686; Dec. 17.
 Mersfelder, Frederick J., and P. Balze, assignors to M. & B. Manufacturing Co., Inc., Leonia, N. J. Clean-out plug. Re17,528; Dec. 17.
 Mesker Brothers Iron Company. (See Mesker, Frank, assignor.)
 Mesker, Frank, assignor to Mesker Brothers Iron Company, St. Louis, Mo. Combined window and coal hopper. 1,739,514; Dec. 17.
 Metal Lamp Corporation. (See Kornblum, Morris, assignor.)
 Methudy, Carl E., St. Louis, Mo., assignor to Methudy Enamel Range Co., East St. Louis, Ill. Ignition device for gas burners. 1,739,851; Dec. 17.
 Methudy Enamel Range Co. (See Methudy, Carl E., assignor.)
 Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Transmission apparatus. 1,739,980; Dec. 17.
 Mews, Walter B. (See Maves, E. W., and Mews.)
 Meyers, Louis & Son, Inc. (See Benjamin, S. E., and Murray, assignors.)
 Middleton, John R., Boise, Idaho. Attachment for tanks. 1,739,852; Dec. 17.
 Midgett, Penelton G., et al. (See Lang, Charles E., assignor.)
 Miles, Lester H., Los Angeles, Calif. Electric siren. 1,739,727; Dec. 17.
 Miller, Robert F. (See Wilson, W. H., and Westberg, assignors.)
 Miller Rubber Company, The. (See Riley, Ralph E., assignor.)
 Miller, William J., Swisshale, Pa. Feeding plastic material to molds. 1,739,981; Dec. 17.
 Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Harmonic device for stringed instruments. 1,739,799; Dec. 17.
 Mills Novelty Company. (See Mills, Bert E., assignor.)
 Mines Brothers. (See Mines, Herman, assignor.)
 Mines, Herman, assignor to Mines Brothers, New York, N. Y. Leg band for trousers. 1,739,687; Dec. 17.
 Mishawaka Rubber and Woolen Manufacturing Company. (See Blair, George W., assignor.)
 Mitchell, John R., Trenton, N. J. Guide for textile machines. 1,740,311; Dec. 17.
 Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 80,140; Dec. 17.
 Monarch Products Company. (See Hentschel, Paul J., assignor.)
 Monorail Engineering Corporation. (See Combs, Presley S., Jr., assignor.)
 Monroe, Lewis O., assignor to Clarage Fan Company, Kalamazoo, Mich. Fan. 1,739,604; Dec. 17.
 Montgomery, Harvey H., Sauk City, Wis. Antifrost device for windshields. 1,740,193; Dec. 17.
 Monument, George A., assignor of one-third to A. E. Wilson and one-third to H. C. Hoops, Toronto, Ontario, Canada. Combined primer and lubricator for gasoline engines. 1,739,728; Dec. 17.
 Mooney, Charles S., Carlisle, Pa. Method of and apparatus for producing inner tubes or other articles. 1,740,029; Dec. 17.
 Moore, Carl E., Gary, Ind., assignor to American Sheet and Tin Plate Company. Feed-roller mechanism. 1,740,366; Dec. 17.
 Moore Fabric Company. (See Moore, John V., assignor.)
 Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Semisoft collar and fabric therefor. 1,739,912; Dec. 17.

Morehead, James C., assignor, by mesne assignments, to Inland-Stuart Linings, Inc., Pittsburgh, Pa. Brick shape for building blast-furnace linings and the like. 1,740,258; Dec. 17.
 Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc. Vending machine. 1,739,982; Dec. 17.
 Morris, Albert W., Springfield, Mass., assignor to G. E. Coblens, New York, N. Y. Making compressed dehydrated cellulose sheets. 1,739,766; Dec. 17.
 Morrison, Clarence E., Albany, N. Y. Rotary duplicator. 1,740,195; Dec. 17.
 Morrison, William A., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Safety device for oil-injection engines. 1,740,259; Dec. 17.
 Morse, Lyman D., Butte City, Calif. Harvester attachment. 1,739,558; Dec. 17.
 Mudd, Garrett W., assignor to Manufacturers Machinery Company, Chicago, Ill. Tube-cutting machine. 1,740,430; Dec. 17.
 Muggli, Jakob, Zurich, Switzerland, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,739,729; Dec. 17.
 Muhlback, Alfred J., South Pasadena, assignor to The Boyle Manufacturing Company, Inc., Los Angeles, Calif. Making metallic casks. 1,740,196; Dec. 17.
 Müller, Fred W., Hoboken, N. J., assignor of one-half to C. H. Whitteck, Sea Cliff, N. Y. Self-lubricating bearing. 1,740,197; Dec. 17.
 Multer, Hugh J. (See Gard, E. W., Aldridge, and Multer.)
 Muncy, John A., et al. (See Lang, Charles E., assignor.)
 Munnerley, Reuben, Los Angeles, Calif. Mail-bag catching and delivering apparatus. 1,740,109; Dec. 17.
 Munroe, Treadway R., and E. C. Lathrop, Chicago, Ill.; said Lathrop assignor to said Munroe. Preservation of fibers for pulp-making purposes. 1,739,645; Dec. 17.
 Murray, John F., et al., executors. (See Murray, Thomas E.)
 Murray, Joseph B., et al., executors. (See Murray, Thomas E.)
 Murray, Thomas E., deceased, Brooklyn, N. Y.; Joseph B. Thomas E., Jr., and John F. Murray, executors. Heater. 1,739,707; Dec. 17.
 Murray, Thomas E., Jr., et al., executors. (See Murray, Thomas E.)
 Murray, Wendell P. (See Benjamin, S. E., and Murray.)
 Musgrave, Joseph L. (See Crittal, R. G., and Musgrave.)
 Mustee, Joseph A. (See Mustee, Joseph F., assignor.)
 Mustee, Joseph F., assignor of one-half to J. A. Mustee, Cleveland, Ohio. Gas burner. 1,739,515; Dec. 17.
 Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines Volgens van Berkel's Patent en van Andere Werktuigen. (See Van Duyn, Adrianus, assignor.)
 Naamlooze Vennootschap Nederlandsche Fabriek van Werktuigen en Spoorwagematerieel Genootschap "Werkspoor." (See Lugt, Gerard J., assignor.)
 Nagaoka, Hantaro, Ueno, Tokyo, T. Asada, Komagome, Tokyo, and T. Machida, Kojimachi-Ku, Tokyo, assignors to Zaidan Hojin Rikazaku Kenkyujo, Komagome, Tokyo, Japan. Mercury lamp. 1,740,030; Dec. 17.
 National Lead Company. (See Brown, Sydney L., assignor.)
 National Pneumatic Company. (See Forman, Paris R., assignor.)
 National Radiator Corporation. (See Cowles, H., and Norris, assignors.)
 National Standard Company. (See Van Lue, William E., assignor.)
 Naugle, Harry M., and A. J. Townsend, Canton, assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Coil holder. 1,740,260; Dec. 17.
 Neklutin, Constantine N., St. Louis, Mo., assignor, by mesne assignments, to Universal Match Corporation. Match-making machine. 1,739,516; Dec. 17.
 Nelson, Adolph L., assignor to Rohm Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,739,605; Dec. 17.
 Nelson, Daniel, Oak Park, assignor to Marshall Field and Company, Chicago, Ill. Folding box. 1,739,853; Dec. 17.
 Nelson, Emil A., Abington, assignor to Budd Wheel Company, Philadelphia, Pa. Blank-serving apparatus for rolling mills. 1,739,854; Dec. 17.
 Nelson, Gus H., and A. R. Thatcher, Omaha, Nebr. Waxing machine. 1,739,983; Dec. 17.
 Nelson, Nela T., Attleboro, assignor to J. F. Sturdy's Sons Company, Attleboro Falls, Mass. Extension device. 1,739,688; Dec. 17.
 Newhouse, Ray C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Commuting mill. 1,739,855; Dec. 17.
 Newman, Almyr L., Warwick, R. I. Flexible band, chain, or linkage. 1,739,689; Dec. 17.
 Newman, Samuel F., assigned to Landis Machine Company, Wayneboro, Pa. Chaser and holding the same. 1,739,646; Dec. 17.
 Newport Company, The. (See Palmer, Robert C., assignor.)
 Newsom, Edward L., New York, N. Y. Bracket for adjustable window ventilators. 1,740,198; Dec. 17.
 Newton, Edward G., Pittsfield, Mass., assignor to General Electric Company. Terminal connection for electric apparatus. 1,740,367; Dec. 17.
 Niagara Fold, Inc. (See Fleming, John S., assignor.)

Nordell, Carl H., Fort Wayne, Ind., assignor to The Permutit Company. Method of and apparatus for the continuous softening of water. 1,740,199; Dec. 17.
 Norris, James K. (See Cowles, H., and Norris.)
 Nusser, Earl F., Shreveport, La. Carrier. 1,740,368; Dec. 17.
 Nutt, Arthur, Kenmore, N. Y., assignor to Curtis Aeroplane & Motor Company, Inc. Oiling system. 1,739,690; Dec. 17.
 Nyquist, Harry, Milburn, and K. W. Pfeiffer, Arlington, N. J., assignors to American Telephone and Telegraph Company. Echo suppressor. 1,739,606; Dec. 17.
 O. & S. Bearing Co. (See Skillman, Newton, assignor.)
 Oberg, Anton J., and R. R. Stofen, Los Angeles, Calif. Special cut lens. 1,739,607; Dec. 17.
 Obonkhoff, Nikolai, Harbin, China. Dynamo-electric machine. 1,740,031; Dec. 17.
 Oden, Eugene R., Lankershim, Calif. Safeguarding concrete structures against leaking fractures. 1,740,110; Dec. 17.
 Oelke, George G., Blue Earth, Minn. Electrical remote control for ordnance. 1,739,608; Dec. 17.
 Olcott, James H., Waterbury, Conn. Shutter lock for cameras. 1,740,112; Dec. 17.
 Oldham, Bert C. (See Marble, Wilbur N., assignor.)
 O'Loughlin, Charles E., Jr., St. Paul, Minn. Vegetable peeler. 1,739,517; Dec. 17.
 Olsen, Andrew, Jr., and J. A., assignors to Golden Nugget Sweets, San Francisco, Calif. Candy-cutting machine. 1,740,111; Dec. 17.
 Olson, James A. (See Olsen, Andrew, Jr., and J. A.)
 Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,740,113; Dec. 17.
 Orthwein, Rudolph, New York, N. Y. Display cabinet. 1,739,730; Dec. 17.
 Osborn Manufacturing Company, The. (See Carman, Edwin S., assignor.)
 Osborne, Patrick H., Huntington Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Liquid sampler for tanks. 1,739,731; Dec. 17.
 Otis Elevator Company. (See Schwab, Martin C., assignor.)
 Owens, Charles R., Washington, D. C. Filtering funnel. 1,739,559; Dec. 17.
 Owens-Illinois Glass Company. (See La France, Richard, assignor.)
 Owens-Illinois Glass Company. (See Soubler, Leonard D., assignor.)
 Package Machinery Company. (See Smith, E. L., and Phelon, assignors.)
 Padgett, Claude S., assignor to I. Brandenburg, Washington, D. C. Steering means. 1,739,856; Dec. 17.
 Page, Thomas, Shawinigan Falls, Quebec, Canada. Paper rope carrier. 1,740,261; Dec. 17.
 Painter, William A., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Wiper for metal-coating machines. 1,740,114; Dec. 17.
 Palmer, Robert C., Pensacola, Fla., assignor to The Newport Company, Carrollville, Wis. Extracting turpentine, pine oil, and rosin from resinous woods. 1,740,115; Dec. 17.
 Paragon Distributing Corporation. (See Freeman, Samuel, assignor.)
 Parkes, Deric W., Ryders Green, West Bromwich, assignor of one-half to H. W. Robinson, Birmingham, England. Producing soluble lead reagents. 1,740,812; Dec. 17.
 Parks, Frederick J., assignor of one-half to S. W. Seofield, Cleveland, Ohio. Gunning device for envelope-making machines. 1,739,847; Dec. 17.
 Parrish, Jefferson M., Richmond, Va. Mixing fertilizers. 1,739,732; Dec. 17.
 Parshall, Harry R. (See Crocker, T. F., and Parshall.)
 Patent Button Company, The. (See White, Franklin R., assignor.)
 Patten, Julius, and W. Rangert, Duisburg, Germany. Headlight. 1,739,800; Dec. 17.
 Paulus, Roy, Flushing, assignor to Paulus-Ullmann Printing Corporation, New York, N. Y. Fastening device. 1,740,262; Dec. 17.
 Paulus-Ullmann Printing Corporation. (See Paulus, Roy, assignor.)
 Pausser, Arnold E., Philadelphia, Pa. Hair-curling device. 1,740,313; Dec. 17.
 Payne, Jesse M., and L. W. Hodge, Phenix City, Ala. Thread holder. 1,740,200; Dec. 17.
 Pecard, Felix P., Lena, Wis. Receptacle-filling machine. 1,740,032; Dec. 17.
 Peebles, Joseph L., assignor of one-half to W. Weimer, Okmulgee, Okla. Automobile awning bracket. 1,739,518; Dec. 17.
 Peerless Machinery Company, The. (See Lautenschlager, William F., assignor.)
 Peerless Machinery Company, The. (See Spry, William M., assignor.)
 Peller, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,739,519; Dec. 17.
 Pelphrey, Arthur W. (See Pelphrey, Jesse W. and A. W.)
 Pelphrey, Jesse W., deceased, and A. W. Pelphrey, Los Angeles, Calif.; A. W. Pelphrey, administrator of Jesse W. Pelphrey. Deodorizer. 1,739,857; Dec. 17.
 Pengilly, Joseph H., and V. Brown, assignors to Diamond Electrical Manufacturing Company, Inc., Los Angeles, Calif. Testing device. 1,739,913; Dec. 17.

Penn-Union Electric Corporation. (See Stoeltzen, Charles L., assignor.)
 Peplin, Joseph N., assignor to Jewel Emblem Manufacturing Company, Chicago, Ill. Combination reproducer and receiver. 1,739,768; Dec. 17.
 Peppin, Joseph, Sciota, N. Y. Submarine vessel. 1,740,263; Dec. 17.
 Pequod Realty Corporation. (See Dalton, Nelson W., assignor.)
 Perfection Stove Company. (See Chadwick, L. S., and Resek, assignors.)
 Perkins, B. F., & Son, Inc. (See Bidwell, Paul W., assignor.)
 Perkins, Charles H., Poughkeepsie, N. Y. Coin-controlled electrical apparatus. 1,739,858; Dec. 17.
 Perkins, Julian L., and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Machine for bronching spiral gears. 1,739,609; Dec. 17.
 Perkins Machine and Gear Company. (See Perkins, J. L., and Croft, assignors.)
 Permutit Company, The. (See Nordell, Carl H., assignor.)
 Perryman Electric Co. (See Perryman, George H., assignor.)
 Perryman, George H., Teaneck, N. J., assignor, by mesne assignments, to Perryman Electric Co. Vacuum tube. 1,740,264; Dec. 17.
 Persons, Charles A., Worcester, Mass. Reflecting signal. 1,739,733; Dec. 17.
 Peelin, Fred C., Oakland, Calif. Musical instrument. 1,739,914; Dec. 17.
 Peters, Henry W., Boston, Mass. Making finger rings. 1,740,369; Dec. 17.
 Peto, James T., Ridgewood, N. J. Web-joining apparatus. 1,739,610; Dec. 17.
 Pfeiffer, Kenneth W. (See Nyquist, H., and Pfeiffer.)
 Phelon, Arthur E. (See Smith, E. L., and Phelon.)
 Phoenix-Hermetic Company. (See Tallafiero, Thomas L., assignor.)
 Photomaton, Inc. (See Barton, Ralph F., assignor.)
 Photostat Corporation. (See Caps, Arthur W., assignor.)
 Pierson, William H., assignor to Briggs Manufacturing Company, Detroit, Mich. Welding apparatus. 1,739,691; Dec. 17.
 Pilot Ray Corporation. (See Keck, George S., assignor.)
 Pimm, Charles C., et al. (See Kingston, Thomas H., assignor.)
 Pinckney, Charles C., Birmingham, Ala., assignor to Birmingham Tank Company. Method and apparatus for constructing cylindrical tanks. 1,740,033; Dec. 17.
 Pinckney, Charles C., Birmingham, Ala., assignor to Birmingham Tank Company. Welding apparatus. 1,740,117; Dec. 17.
 Pinkerton, Peter C., Indianapolis, Ind. Automobile locking device. 1,739,648; Dec. 17.
 Ploch, Frank J., San Francisco, Calif. Radiant electric heater. 1,739,649; Dec. 17.
 Pittney, Earl H., Chicago, Ill. Combination flash light and telescope. 1,740,314; Dec. 17.
 Pitts, Edmund M., assignor to Sunland Sales Cooperative Association, Fresno, Calif. Advertising device. 1,739,801; Dec. 17.
 Pittsburgh Transformer Company. (See Horelick, Samuel, assignor.)
 Pneumatic Scale Corporation, Limited. (See English, Analdo M., assignor.)
 Podel, Abraham, Bronx, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Hermetically-sealed package and method of sealing. 1,739,692; Dec. 17.
 Polgar, William, Bronx, N. Y. Mechanical collecting container for cranes. 1,740,116; Dec. 17.
 Pollitz, George S. (See Spitzstein, Ludwig, assignor.)
 Pollock, Ralph C. (See Raine, W. A., and Pollock.)
 Porsche, Ferdinand, Stuttgart-Unterturkheim, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Blower set for combustion machines. 1,739,859; Dec. 17.
 Porter, James. (See Davenport, R. H., and Porter.)
 Post, William M., Hood River, Ore. Vulcanizer. 1,740,034; Dec. 17.
 Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Radioreceiving circuits. 1,739,520; Dec. 17.
 Powell, Frederick. (See Best, F. E., and Powell.)
 Premo Electric Corporation. (See Dam, Henry M. R., assignor.)
 Privat, Bernard, et al. (See Cross, Anne W., assignor.)
 Privett, Henry C., assignor of one-fourth to E. B. Sweetman, Los Angeles, Calif. Helicopter. 1,739,984; Dec. 17.
 Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet-sweeper case. 1,739,521; Dec. 17.
 Putney, Charles L., Philadelphia, assignor to B. F. Argile, Ardrey, Pa. Automatic clutch-control mechanism. 1,740,265; Dec. 17.
 Pyratone Products Corporation. (See Barrett, Harold G., assignor.)
 Pyrene-Minimax Corporation. (See Burmeister, Hans, assignor.)
 Radio Corporation of America. (See Sprague, Clarence A., assignor.)
 Raine, Warren A., and R. C. Pollock, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Treatment of decolorizing clays. 1,739,734; Dec. 17.

Ranck, Zeiber W., assignor to Crystal Waxing Company, Middletown, Ohio. Paper-dispensing package. 1,739,590; Dec. 17.

Rand, James H., North Falmouth, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,740,118; Dec. 17.

Ransome Concrete Machinery Company. (See Bushnell, James E., assignor.)

Rapisardi, Alfo, Boston, Mass. Holder for electric conductors. 1,740,035; Dec. 17.

Rasmussen, Carl K., Braunschweig, Germany. Spring mattress. 1,739,985; Dec. 17.

Rasmussen, Chester A., and C. R. Butler, Long Beach, and W. A. Trout, Los Angeles, Calif. Packed casing head. 1,739,802; Dec. 17.

Raster, Walther, assignor to Justrite Manufacturing Company, Chicago, Ill. Lamp-attaching device for miners' caps. 1,739,918; Dec. 17.

Rauchbach-Goldschmidt Co., The. (See Rauchbach, Joseph, assignor.)

Rauchbach, Joseph, Newark, N. J., assignor to The Rauchbach-Goldschmidt Co. Wardrobe trunk. 1,739,735; Dec. 17.

Rayzor, Samuel B., Houston, Tex. Combination vehicle spring and snubber. 1,739,917; Dec. 17.

Rebikoff, Wassily, assignor to L. Davydoff, Paris, France. Planet-gear drive for electromechanical phonographs. 1,740,315; Dec. 17.

Rebillet, Marcel J. A., Lyon, France. Method and apparatus for feeding liquid fuel to internal-combustion engines. 1,739,918; Dec. 17.

Reidmann, Robert G., assignor to The Sessions Foundry Company, Bristol, Conn. Ingot mold. 1,739,769; Dec. 17.

Reise, Charles W., Petroleum, W. Va. Gas-vent valve for oil-pumping equipment. 1,739,770; Dec. 17.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Pintle hook. 1,739,986; Dec. 17.

Reiter, Daniel L., Brooklyn, N. Y. Fastening device. 1,739,987; Dec. 17.

Ritter, Daniel L., New York, N. Y. Snap-fastener socket and parts thereof. 1,740,266; Dec. 17.

Remington Arms Company. (See Loomis, Crawford C., assignor.)

Remington, John M., Fort Wayne, Ind. Leg rest for autoists. 1,740,267; Dec. 17.

Remington Rand Inc. (See Rand, James H., assignor.)

Remp, Jacob E., Danville, Ill. Washing machine. 1,740,437; Dec. 17.

Reo Motor Car Company. (See Hildorf, Walter G., assignor.)

Resek, Marc. (See Chadwick, L. S., and Resek.)

Reserve Holding Company. (See Crocker, T. F., and Parrshall, assignors.)

Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Chain link. 1,739,522; Dec. 17.

Rheinmans, William J., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,740,036; Dec. 17.

Rheinische Metallwaren- und Maschinenfabrik. (See Schuler, H., and Gietmann, assignors.)

Ricard, Elol, and H. M. Guloet, Melle, assignors to Societe Anonyme des Distilleries des Deux-Sevres, Melle (Deux-Sevres), France. Manufacture of furfuryl alcohol and methylfuran. 1,739,919; Dec. 17.

Ricardo, Harry R., London, England. Packing ring for the valves of other reciprocating parts of fluid-pressure engines. 1,740,037; Dec. 17.

Ricardo, Harry R., London, England. Fuel-injection device for internal-combustion engines. 1,740,316; Dec. 17.

Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Directive radio transmitting system. 1,740,370; Dec. 17.

Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Directive radio transmitting system. 1,740,371; Dec. 17.

Richardson, William H., Parras, Mexico. Decorticating machine. 1,739,611; Dec. 17.

Richter, Charles, assignor to Chattam Metal Splaning and Stamping Corporation, New York, N. Y. Lighting fixture. Des. 80,141; Dec. 17.

Ricker, Chester S., Waukesha, Wis. Headlight photometer. 1,739,650; Dec. 17.

Ridderstrom, Andrew R., Nahant, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine and method. 1,740,408; Dec. 17.

Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine and method. 1,740,409; Dec. 17.

Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,740,410; Dec. 17.

Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,740,412; Dec. 17.

Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,740,413; Dec. 17.

Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine and method. 1,740,414; Dec. 17.

Ridenour, J. E. (See Hagemo, Ingvald J. A., assignor.)

Riley, Ralph E., assignor to The Miller Rubber Company, Akron, Ohio. Making overshoes. 1,739,612; Dec. 17.

Rinkel, Paul, Berlin-Charlottenburg, Germany. Folding-frame aerial. 1,739,860; Dec. 17.

Rippon, Francis F. C., New York, N. Y. Card-selector mechanism. 1,739,651; Dec. 17.

Rip Van Winkle Wall Bed Company. (See Sinclair, Neil, assignor.)

Roberts, Charles B., Brooklyn, N. Y. Geographical educator. 1,739,861; Dec. 17.

Roberts, Patrick, New York, N. Y. Vehicle jack. 1,740,268; Dec. 17.

Robeson Rochester Corporation. (See Schott, Howard H., assignor.)

Robinson, George A., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Automatic filling and weighing machine. 1,739,862; Dec. 17.

Robinson, John W., Lowell, Mass. Sidewalk, roadway, and the like. 1,740,119; Dec. 17.

Robinson, Herbert W. (See Parks, Derle W., assignor.)

Rochester Bridge Company, The. (See Sheehan, William, assignor.)

Rohwedder, Otto F., Davenport, Iowa. Wireworking machine. 1,740,038; Dec. 17.

Roman, Carl, Mora, Sweden. Fire life-saving device. 1,740,317; Dec. 17.

Rosenbaum, Hellmuth R., Madrid, Spain. Railroad. 1,740,201; Dec. 17.

Rosenheim Co., Inc. (See Jones, Percival W., assignor.)

Rosenbcher, Otto, Berlin, Germany, assignor to General Electric Company. Elastic-fluid turbine. 1,740,372; Dec. 17.

Rosenthal, Leo, and W. Lenhard, Vohwinkel, assignors to I. O. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of esters of saccharides of higher unsaturated fatty acids. 1,739,863; Dec. 17.

Rubel, Albert C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Soaking method for initiating gas lift in oil wells. 1,740,039; Dec. 17.

Ruben Patents Company. (See Ruben, Samuel, assignor.)

Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electron-tube apparatus. 1,740,202; Dec. 17.

Ruggles-Kilgoreman Mfg. Company. (See Kimball, James L., assignor.)

Rulke, Kurt. (See Gerngross, O., and Rulke.)

Russell, Claude S. J., assignor to Falciney Instrument Corporation, Watertown, N. Y. Thermometer case. 1,739,693; Dec. 17.

Russey, Merrell W., Los Angeles, Calif., assignor to United States Smelting, Refining & Mining Company, Portland, Me. Mine-hoist signal system and switch. 1,739,613; Dec. 17.

Rutty, Florence A., New York, N. Y. Seating chart. 1,739,988; Dec. 17.

Ryan, E. J., and Company. (See Beach, George F., assignor.)

Sabatini, Washington, Oneglia, Italy. Device for working out calculations in connection with structures of reinforced concrete. 1,739,523; Dec. 17.

Sachs, Harry. (See Fanton, Harry B., assignor.)

Sachs, John H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of chloro derivatives of N-dihydro-1,2,2',1'-anthraquinone-axline. 1,739,736; Dec. 17.

Saco-Lowell Shops. (See Greenwood, O. P., assignor, and Bettinger.)

Sadtler, Samuel S., Chestnut Hill, Springfield Township, Montgomery County, assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Liquefier for preparing stone for bitumen coating. 1,739,652; Dec. 17.

St. Regis Paper Company. (See Hartman, Louis H., assignor.)

Sanborn, John B., Farmington, Conn. Picture frame. 1,740,203; Dec. 17.

Sanders, Edward H., assignor to Shell Company of California, San Francisco, Calif. Advertising device. 1,739,915; Dec. 17.

Sanitarium & Hospital Equipment Co. (See Goodrich, Norris E., assignor.)

Sapientza, Paul, Detroit, Mich. Internal-combustion engine. 1,740,040; Dec. 17.

Sapora, Joseph J., Renovo, Pa. Mechanical wheeled toy. 1,740,269; Dec. 17.

Sarandese, Jose, New York, N. Y. Stiffener for soft collars. 1,740,270; Dec. 17.

Sassano, Joseph, New York, N. Y. Floor waxing and polishing machine. 1,739,653; Dec. 17.

Sauter, Alfred E., Bronx, N. Y. Nonslipping abdominal bandage. 1,739,989; Dec. 17.

Savage, William H., assignor, by mesne assignments, to Gould Coupler Company, New York, N. Y. Slack adjuster. 1,739,694; Dec. 17.

Savitt, Benjamin M., Minneapolis, Minn. Preparing and dry cleaning articles. 1,740,271; Dec. 17.

Sawyer, Charlie F. (See West, S. I., and Sawyer.)

Schaefer, Frank, assignor of one-half to American Signs Corporation, Kalamazoo, Mich. Gaseous electric discharge lamp. 1,739,561; Dec. 17.

Schaefer, Frederic, Pittsburgh, Pa. Brake-hanger support. 1,739,990; Dec. 17.

Schardein, Clarence E., Louisville, Ky. Faucet. 1,739,864; Dec. 17.

Scharf, Hans, Berlin, Germany, assignor, by mesne assignments, to Brandes Products Corporation, Newark, N. J. Sound reproducer. Recl. 533; Dec. 17.

Schemminger, John, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y. Method and apparatus for feeding liquid fuel. 1,740,204; Dec. 17.

Schenker, Abraham W., Forest Hills, N. Y. Stop cock or valve. 1,739,691; Dec. 17.

Schlage Lock Co. (See Schlage, Walter R., assignor.)

Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Door latch. 1,739,654; Dec. 17.

Schlegel, Ronald M., and A. H. Bowler, Jr., Los Angeles, Calif., assignors, by mesne assignments, to Kimball-Krogh Pump Company. Line-shaft-bearing-lubricating device. 1,739,803; Dec. 17.

Schleicher, Frank J., St. Louis, Mo. Box. 1,739,920; Dec. 17.

Schleicher, Manfred. (See von Voss, R., and Schleicher.)

Schlemper, Carl, Ohligs, Germany. Pile cutter for looms. 1,739,737; Dec. 17.

Schlichter, Oscar, assignor to Krauth & Benninghofen, Hamilton, Ohio. Paper feed for typewriters. 1,740,438; Dec. 17.

Schliederer, Emil, assignor to the firm Bing-Werke vorm Gebr. Bing & Co., Nuremberg, Germany. Running toy figure. 1,739,614; Dec. 17.

Schmidt, Arthur, Berlin-Halensee, Germany. Rapid stewing pot. 1,740,205; Dec. 17.

Schmidt, Franz, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve. 1,740,041; Dec. 17.

Schmidt, Frederick W., Philadelphia, Pa. Advertising device. 1,739,865; Dec. 17.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil cooler. 1,740,120; Dec. 17.

Schmidt, John H., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Polybasic-acid-polyhydric-alcohol resin and making same. 1,739,771; Dec. 17.

Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Hoffmann, Simon, assignor.)

Schmitt, William H., St. Paul, Minn. Cover holder for cooking utensils. 1,740,042; Dec. 17.

Schmitt, Fred A., assignor of forty-nine two-hundredths to C. W. Austin and forty-nine two-hundredths to W. Iler, Canton, Ohio. Golf putting green. Des. 80,142; Dec. 17.

Schott, Howard H., assignor to Robeson Rochester Corporation, Rochester, N. Y. Sugar bowl. Des. 80,143; Dec. 17.

Schott, Howard H., assignor to Robeson Rochester Corporation, Rochester, N. Y. Cream pitcher. Des. 80,144; Dec. 17.

Schott, Howard H., assignor to Robeson Rochester Corporation, Rochester, N. Y. Casserole cover. Des. 80,145; Dec. 17.

Schott, Howard H., assignor to Robeson Rochester Corporation, Rochester, N. Y. Teapot. Des. 80,146; Dec. 17.

Schott, Howard H., assignor to Robeson Rochester Corporation, Rochester, N. Y. Coffee percolator. Des. 80,147; Dec. 17.

Schroeder, Paul P., assignor of one-tenth to W. C. Strong, Greenwich, Conn. Radio loud-speaker. 1,739,615; Dec. 17.

Schroeder, Simon E., assignor, by mesne assignments, to Automatic Washer Company, Inc., Newton, Iowa. Gear housing for washing machines. 1,739,616; Dec. 17.

Schub, Franz, Vienna, Austria. Wind and water wheel. 1,739,866; Dec. 17.

Schuler, Hermann, and A. Gietmann, Unterluss, assignors to Rheinische Metallwaren- und Maschinenfabrik, Düsseldorf-Derendorf, Germany. Operating electric projectile fuses. 1,739,921; Dec. 17.

Schumacher, H. R., administrator. (See Hohulla, Samuel.)

Schumacher, Conrad, Lynbrook, assignor to Auto Strop Safety Razor Co., Inc., New York, N. Y. Metal-aligning device. 1,739,738; Dec. 17.

Schumann, Alfred E. (See Gerdes, H. T., and Schumann.)

Schutte, August E., Northboro, Mass. Apparatus for spreading and leveling road materials. 1,739,804; Dec. 17.

Schwab, Martin C., Chicago, Ill., assignor to Otis Elevator Company, New York, N. Y. Moving stairway. 1,740,121; Dec. 17.

Schwarz, Anton, Berlin-Weidmannslust, Germany. Working up mixed shavings of white metal and red metal. 1,739,992; Dec. 17.

Schwarz, Philipp, Barmen, Germany. Stamping process for making sheet-metal articles. 1,739,524; Dec. 17.

Schwarz, Sidney L. (See Bryant, Frank L., assignor.)

Schweller, Sylvester M., Dayton, Ohio, assignor, by mesne assignments, to Frigidair Corporation. Refrigerating apparatus. 1,739,655; Dec. 17.

Scofield, Sherman W. (See Parks, Frederick J., assignor.)

Seimbunch, Gustav J., Milwaukee, Wis. Combination desk stand and penholder. Des. 80,148; Dec. 17.

Sessions Foundry Company, The. (See Redmann, Robert G., assignor.)

Settler, Wilhelm, Winnipeg, Manitoba, Canada. Saw set. 1,739,656; Dec. 17.

Setzer, Rudolf, Trudering, near Munich, Germany. Appliance for opening fiber bundles. 1,740,439; Dec. 17.

Seymour, James M., Newark, N. J. Cooling tower. 1,739,867; Dec. 17.

Sferrazza, Giuseppe, Unionville, Conn. Garment. 1,740,272; Dec. 17.

Shaffer, Larkin R., Garland, Utah. Switch-stand lock. 1,739,868; Dec. 17.

Shaffer, Larkin R., Garland, Utah. Switch stand. 1,739,869; Dec. 17.

Shakeproof Lock Washer Company. (See Olson, Carl G., assignor.)

Shanley, William C., Des Moines, Iowa. Loading and unloading device for tank cars. 1,739,525; Dec. 17.

Shannon, Jesse P., Lake Geneva, Wis. Fishing lure. 1,740,273; Dec. 17.

Shatzer, Norman C., Zullinger, Pa. Shoe polisher and shoe-polish stick. 1,740,043; Dec. 17.

Shauks, Arthur J., Haverhill, Mass. Atomizer. 1,740,373; Dec. 17.

Shaw, Ernest C. (See Hagmaier, W. G., and Shaw.)

Shaw, Harold N., Milwaukee, Wis. Induction heater. 1,739,617; Dec. 17.

Sheehan, William, assignor of one-half to The Rochester Bridge Company, Rochester, Ind. Punch-gauging apparatus. 1,740,374; Dec. 17.

Shell Company of California. (See Sanders, Edward H., assignor.)

Shell Petroleum Corporation. (See Carney, Samuel C., assignor.)

Shemitz, Reuben B., New York, N. Y. Electroplating device. 1,739,657; Dec. 17.

Shield, Paul S., assignor to A. Davis, Jr., Cincinnati, Ohio. Dispensing apparatus. 1,739,870; Dec. 17.

Shirley, Merritt H. (See Hill, John A., assignor.)

Shoe Form Co. (See DeWitt, William J., assignor.)

Siemens & Halske Aktiengesellschaft. (See Engelhardt, Victor, assignor.)

Siemens & Halske Aktiengesellschaft. (See Martens, Moritz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Von Voss, R., and Schleicher, assignors.)

Sievers, Otto. (See Benda, L., and Sievers.)

Silica Products Co. (See Cross, Roy, assignor.)

Silver, Henry R., New York, N. Y. Bottle-dipping machine. 1,739,526; Dec. 17.

Simmons, George M., Cohay, Miss. Parachute. 1,740,044; Dec. 17.

Simonds, Dewey T., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,740,375; Dec. 17.

Simplicity Manufacturing Company. (See Appleton, Joseph, assignor.)

Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Portable folding bed. 1,739,805; Dec. 17.

Singiser, John P., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Power-operated pressing machine. 1,740,045; Dec. 17.

Sinkler, Willard A., Ada, Kans. Wear-hook-buckle attachment. 1,739,618; Dec. 17.

Skeehan, John L. (See Bernard, J. L., and Skeehan.)

Skillman, Newton, Highland Park, assignor to O. & S. Bearing Co., Detroit, Mich. Double end thrust self-lubricating bearing. 1,739,538; Dec. 17.

Skinner, Eugene, assignor to Skinner Manufacturing Company, Omaha, Nebr. Box. 1,739,529; Dec. 17.

Skinner Manufacturing Company. (See Skinner, Eugene, assignor.)

Skinner Organ Company. (See Converse, Francis B., assignor.)

Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,740,122; Dec. 17.

Slaughter, Charles H., Columbus, Ohio. Cleaning tank. 1,739,695; Dec. 17.

Smith, Arthur E., Los Angeles, Calif. Receptacle closure. 1,739,871; Dec. 17.

Smith, Arthur E., Los Angeles, Calif. Tube closure. 1,739,922; Dec. 17.

Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Condenser boiler. 1,740,318; Dec. 17.

Smith, Charles S., et al., executors. (See Ingersoll, Robert H.)

Smith, Elmer L., Longmeadow, and A. E. Phelon, assignors to Package Machinery Company, Springfield, Mass. Apparatus for setting up cartons. 1,739,619; Dec. 17.

Smith, James D., Charlotte, N. C. Garment drier. 1,739,923; Dec. 17.

Smith, James O., Mounds, Okla. Wire-stretching tool. 1,739,658; Dec. 17.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,739,739; Dec. 17.

Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Frosting glass articles. 1,740,376; Dec. 17.

Smith, Stephen, San Francisco, Calif. Train-order hoop. 1,740,206; Dec. 17.

Snap Valve Corporation, The. (See Hooper, A. C., and McPhee, assignors.)

Snow, Wallace J., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Relief valve. 1,740,422; Dec. 17.

Snyder, William J., and E. C. Ahlhelm, Franklin, Pa. Chuck. 1,740,377; Dec. 17.

Sayders, Gysbertus C., C. Gordyn, jr., J. van de Kamp, and C. E. A. Maitland, Amsterdam, Netherlands. Alarm-circuit system. 1,740,123; Dec. 17.
 Societe Anonyme des Automobiles "Unic" Puteaux. (See Martzloff, Armand, assignor.)
 Societe Anonyme des Distilleries des Deux-Sevres. (See Ricard, E., and Guinot, assignors.)
 Societe du Carburateur Zenith. (See Boulade, Antonin, assignor.)
 Somajni, Giacomo, Milan, Italy. Direct-current system. 1,739,562; Dec. 17.
 Soss, Mark, Spokane, Wash. Fountain brush. 1,739,872; Dec. 17.
 Soulier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for feeding molten glass. 1,739,873; Dec. 17.
 Sousa, John R., assignor to Automatic Assorting Machine Company, Washington, D. C. Parcel-assorting device. 1,740,378; Dec. 17.
 Spahn, August C., assignor to Bernardin Bottle Cap Company, Evansville, Ind. Closure cap. 1,739,659; Dec. 17.
 Spaulding, Joseph T., Tulsa, Okla. Windshield wiper. 1,739,806; Dec. 17.
 Speck, William F., Memphis, Tenn. Cotton harvester. 1,740,274; Dec. 17.
 Speldel, Albert E. R., Edgewood, assignor to Speldel Bros., Providence, R. I. Bracelet. Des. 80,149; Dec. 17.
 Speldel Bros. (See Speldel, Albert E. R., assignor.)
 Speldel, Edwin F. M., and K. C. Augenstein, Cranston, R. I.; said Augenstein assignor to said Speldel. Extension device. 1,740,432; Dec. 17.
 Spill, Frank, assignor to The Spill Manufacturing Co., Inc., East Rutherford, N. J. Spectacle frame for eye-glasses. Des. 80,150; Dec. 17.
 Spill, Frank, East Rutherford, N. J., assignor to The Spill Manufacturing Co., Inc., East Rutherford, N. J. Method and apparatus for manufacturing frames for sunglasses and the like. 1,739,696; Dec. 17.
 Spill Manufacturing Co., The. (See Spill, Frank, assignor.)
 Spitzstein, Ludwig, Vienna, Austria, assignor to G. S. Pollitz, New York, N. Y. Curling tongs provided with heatable irons. 1,740,207; Dec. 17.
 Sprague, Clarence A., East Orange, N. J., assignor to Radio Corporation of America. Control of electrical energy. 1,739,924; Dec. 17.
 Spry, William M., Beaumont, assignor to The Peerless Machinery Company, Boston, Mass. Buffing machine. 1,739,660; Dec. 17.
 Stable, Erik G., Pittsburgh, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-surfacing apparatus. 1,739,925; Dec. 17.
 Stanbrough, William M., Newburgh, N. Y. Layer for upper dentures. 1,739,527; Dec. 17.
 Stancu, George, jr., Philadelphia, Pa. Valve for tank cars and the like. 1,740,319; Dec. 17.
 Standard Oil Company. (See Sullivan, Frederick W., jr., assignor.)
 Standard Pressed Steel Company. (See Hallowell, Howard T., assignor.)
 Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Elastic-fluid turbine. 1,740,379; Dec. 17.
 Steen, Arthur B., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus for treating oil. 1,740,275; Dec. 17.
 Steen, Charles W., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power-transmitting mechanism. 1,740,046; Dec. 17.
 Steiner, William, Chicago, Ill. Flying machine. 1,739,630; Dec. 17.
 Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Sewing machine. 1,740,380; Dec. 17.
 Stettner, Ludwig W., Oakland, Calif., assignor, by mesne assignments, to Victor Welding Equipment Co. Fluid-pressure regulator. 1,739,926; Dec. 17.
 Stevens, Clarence E., St. Louis, Mo. Door and window structure. 1,740,124; Dec. 17.
 Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Valve block for fluid-pressure tools. 1,739,927; Dec. 17.
 Stillwell, Albert G., Cos Cob, Conn. Treating waste material. 1,740,276; Dec. 17.
 Stoen, Robert R. (See Oberg, A. J., and Stoen.)
 Stoeltzen, Charles L., Erie, Pa., assignor to Penn-Union Electric Corporation. Connector. 1,739,740; Dec. 17.
 Stomps, Louis H., Fairfield, Ala. Dust-guard-wedge retainer. 1,739,807; Dec. 17.
 Stovall, Johnie C., Plainview, Tex. Acetylene-gas generator. 1,740,208; Dec. 17.
 Stromberg-Carlson Telephone Manufacturing Company, The. (See Worthington, Everett, assignor.)
 Strong, William C. (See Schroeder, Paul P., assignor.)
 Sturdy, J. F., Sons Company. (See Nelson, Nels T., assignor.)
 Suez Ezy Mop Co. (See Yancey, Arthur, assignor.)
 Sullivan, Frederick W., jr., assignor to Standard Oil Company, Whiting, Ind. Manufacture of high-melting-point wax. 1,740,125; Dec. 17.
 Sullivan Machinery Company. (See Whinnen, Eugene, assignor.)
 Summey, David L., Waterbury, Conn. Metal-coiling apparatus. 1,739,620; Dec. 17.

Sunland Sales Cooperative Association. (See Pitts, Edmund M., assignor.)
 Superlative Novelty Co., The. (See Klein, James J., assignor.)
 Swain, Raymond A. (See Beebe, M. C., Herlinger, and Swain.)
 Swainkovich, Joseph E., jr., St. Cloud, Minn. Circuit breaker for ignition systems. 1,739,874; Dec. 17.
 Swan Metallic Seal & Cap Company. (See Tevander, Swan N., assignor.)
 Swarens, Chester A., et al. (See Hobson, John H., assignor.)
 Sweetman, Ernest B. (See Privett, Henry C., assignor.)
 Swindler, Robert M., Ottawa, assignor of one-half to W. T. Ure, Florence, Kans. Shield buckle. 1,740,047; Dec. 17.
 Szilagyi, Julius, New York, N. Y. Chicken brooder. 1,740,277; Dec. 17.
 Talnton, Uriya C., Kellogg, Idaho. Electrolytic precipitation of metals. 1,739,772; Dec. 17.
 Tallafiero, Thomas L., assignor to Phoenix-Hermetic Company, Chicago, Ill. Liner for jars. 1,739,530; Dec. 17.
 Tandel, Fritz, assignor to C. G. Haubold Aktiengesellschaft, Chemnitz, Germany. Mechanism for guiding traveling webs. 1,739,993; Dec. 17.
 Tauber, Solomon. (See Heraher, Jacob, assignor.)
 Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Wired radio system. 1,739,773; Dec. 17.
 Taylor, Edmund R., New York, N. Y., assignor to American Telephone and Telegraph Company. Remote-control system. 1,739,531; Dec. 17.
 Taylor, Edmund R., New York, N. Y., assignor to American Telephone and Telegraph Company. Remote control of repeaters. 1,739,532; Dec. 17.
 Taylor, Henry P., Winston-Salem, N. C. Pressing and packing manufactured tobacco. 1,740,126; Dec. 17.
 Tennally Manufacturing Company, The. (See Griffin, M., and Auburn, assignors.)
 Terrell, Edgar A., Charlotte, N. C. Bobbin stripper. 1,740,127; Dec. 17.
 Terrell, Edgar A., Charlotte, N. C. Bobbin stripper. 1,740,128; Dec. 17.
 Tevander, Swan N., Maywood, Ill., assignor to Swan Metallic Seal & Cap Company. Machine for sealing caps to jars. 1,739,875; Dec. 17.
 Texas Company, The. (See Steen, Arthur B., assignor.)
 Thatcher, Arthur R. (See Nelson, G. H., and Thatcher.)
 Thayer, Reuel H., Hollywood, assignor to Thayer Talkee Corporation, San Francisco, Calif. Key-retainer strip. 1,740,048; Dec. 17.
 Thayer Talkee Corporation. (See Thayer, Reuel H., assignor.)
 Theroux, Charles, Brussels, Belgium, assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. 1,740,209; Dec. 17.
 Thomas, Francois V. A., Paris, France. Carburetor. 1,739,563; Dec. 17.
 Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Exhaust-box-door construction. 1,739,808; Dec. 17.
 Thompson, Burchard D., Bradford, Pa. Core drill. 1,739,928; Dec. 17.
 Thorndike Company. (See Brewer, Warren, assignor.)
 Thorpe, Samuel T. (See Broadwell, H. S., and Thorpe.)
 Thorsby, Karl J., Oakland, assignor to California Corrugated Culvert Company, Berkeley, Calif. Spiral-pipe machine. 1,739,774; Dec. 17.
 Tiffany, Tolbert K., Trenton, N. J., assignor to J. H. Bell, Philadelphia, Pa. Incubator. 1,740,433; Dec. 17.
 Tift, Emerson B., Cohoes, N. Y., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,739,994; Dec. 17.
 Tobin, Daniel, Chicago, Ill. Protecting device. 1,740,210; Dec. 17.
 Tobin, Kenneth J. (See Ekilnd, C. E., and Tobin.)
 Townsend, Arthur J. (See Naugle, H. M., and Townsend.)
 Travis, Ray C., Ferndale, Mich. Automobile seat. 1,739,741; Dec. 17.
 Tri-Lok Company, The. (See Berson, Nathan, assignor.)
 Trimler, Newland D. (See Trimler, Walter A. and N. D.)
 Trimler, Walter A. and N. D., Camaguey, Cuba. Endless track band. 1,739,533; Dec. 17.
 Trout, William A. (See Rasmussen, C. A., Butler, and Trout.)
 Truehaus Trailer Company. (See Reid, Frederick M., assignor.)
 Trussell, Clyde B., Omaha, Nebr. Print washer. 1,739,742; Dec. 17.
 Tucker, Herbert E., South Bend, Ind., assignor to Universal Draft Gear Attachment Co. Draft gear. 1,739,876; Dec. 17.
 Turner, James, Campbell, Calif. Fruit cutting and pitting machine. 1,739,995; Dec. 17.
 Underwood, Charles E., and J. A. Beatty, Bethlehem, Pa., assignors to Bethlehem Steel Company. Fuel-distributing apparatus. 1,739,929; Dec. 17.
 Underwood Elliott Fisher Company. (See Muggli, Jakob, assignor.)
 Underwood Elliott Fisher Company. (See Waldheim, A. B., assignor.)
 Underwood Elliott Fisher Company. (See Waldheim, John, assignor.)

Ungar, Fred, San Francisco, Calif. Automobile bumper bracket and auxiliary shock absorber. 1,739,930; Dec. 17.
 Ungerer, Howard L., New York, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Annunciator and operating means therefor. 1,740,129; Dec. 17.
 Union Oil Company of California. (See Crell, Edward W., assignor.)
 Union Oil Company of California. (See Lake, Francis W., assignor.)
 Union Oil Company of California. (See Merrill, David R., assignor.)
 Union Oil Company of California. (See Osborne, Patrick H., assignor.)
 Union Oil Company of California. (See Raine, W. A., and Pollock, assignors.)
 Union Oil Company. (See Rubel, Albert C., assignor.)
 Union Special Machine Company. (See Theroux, Charles, assignor.)
 Union Steel Products Company. (See Bitney, Dewey H., assignor.)
 Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
 United-Carr Fastener Corporation. (See Walters, Rollo F., assignor.)
 United Shoe Machinery Corporation. (See Lambert, Leo J., assignor.)
 United Shoe Machinery Corporation. (See Ridderstrom, Andrew R., assignor.)
 United States Gypsum Co. (See Ericson, Richard, assignor.)
 U. S. Slicing Machine Company. (See Van Berkel, Cornelis F. M., assignor.)
 United States Smelting, Refining & Mining Company. (See Russey, Merrell W., assignor.)
 Universal Draft Gear Attachment Co. (See Tucker, Herbert E., assignor.)
 Universal Match Corporation, The. (See Ferretti, Julius J., assignor.)
 Universal Match Corporation. (See Neklutin, Constantine N., assignor.)
 Universal Oven Company. (See Elliott, Irwin, assignor.)
 Universal Window Company. (See Wiley, Edmond F., assignor.)
 Ure, William T. (See Swindler, Robert M., assignor.)
 Ustonson, Cyril R., Clerkenwell, London, England. Making bifocal lenses. 1,739,743; Dec. 17.
 Uttz, William A., sr., Cleveland, Ohio. Casing for a tape-sealing machine. Des. 80,151; Dec. 17.
 Vahouny, Sarkis, New York, N. Y. Carrying device. 1,740,211; Dec. 17.
 Valentine, Charles W., assignor to The Bagley and Sewall Company, Watertown, N. Y. Winding machine. 1,739,931; Dec. 17.
 Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine for slicing meat or the like. 1,739,697; Dec. 17.
 Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Steel insert for store counters. 1,739,809; Dec. 17.
 Van de Kamp, Jan. (See Snyder, G. C., Gordyn, van de Kamp, and Maitland.)
 Van Deventer, Harry R. (See Horton, C., Van Deventer, and Heiny.)
 Van Dyrn, Adrianus, assignor to Naamloze Vennootschap Maatschappij tot Vervaardiging van Sulfmachines Volgens van Berkel's Patent en van Andere Werknigen, Rotterdam, Netherlands. Weighing scale. 1,740,320; Dec. 17.
 Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough divider. 1,740,049; Dec. 17.
 Van Lue, William E., assignor to National Standard Company, Niles, Mich. Apparatus for and method of closing and straightening tire-bead tape. 1,740,050; Dec. 17.
 Vasconcellos, Frank, Pala, Maui, Hawaii. Chopper and cultivator. 1,740,321; Dec. 17.
 Ventresca, Ercolo, Houston, Tex. Inside-casing cutter. 1,739,932; Dec. 17.
 Verdosa, Joseph M., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paint and varnish remover. 1,739,744; Dec. 17.
 Vester, Alfred Sons, Inc. (See Wightman, Thomas H., assignor.)
 Vickers Limited. (See Lucas, Owen D., assignor.)
 Victor Welding Equipment Co. (See Stettner, Ludwig W., assignor.)
 Visitation, Aniceto R., assignor of one-third to G. W. Welkel and one-third to L. G. Welkel, New York, N. Y. Vending machine. 1,739,810; Dec. 17.
 Vogel, Max, Frankfurt-on-the-Main, Germany. Stapling device. 1,740,322; Dec. 17.
 Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Electric lamp or similar article. Des. 80,152; Dec. 17.
 Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Electric lamp or similar article. Des. 80,153; Dec. 17.
 Von Voss, Richard, Berlin-Westend, and M. Schleicher, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Measuring instrument. 1,740,130; Dec. 17.
 Waddington, Edward H. (See Jones, Elisha B., assignor.)

Wadsworth Watch Case Co., The. (See Beebe, M. C., Herlinger, and Swain, assignors.)
 Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)
 Wagenhorst, James H., Jackson, Mich. Demountable rim and fastening means for the same. 1,739,877; Dec. 17.
 Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,739,878; Dec. 17.
 Wagner, Hermann, Soden-on-the-Taunus, and H. Elchweide and E. Fischer, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing mixed textile goods made of wool and silk fibers. 1,739,879; Dec. 17.
 Wagner, John O., Chicago, Ill. Screen construction. 1,739,811; Dec. 17.
 Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,740,051; Dec. 17.
 Walinsky, Ossip J., New York, N. Y. Hand bag. 1,739,698; Dec. 17.
 Wallace, Ralph W., Johnstown, Pa. Plumbing fixture. 1,739,621; Dec. 17.
 Wallace, Ralph W., Johnstown, Pa. Toilet cabinet. 1,739,622; Dec. 17.
 Waller, Warren E., Charles City, Iowa. Hen's nest and nest rack. 1,740,323; Dec. 17.
 Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Upholstery installation and fastener elements for use therewith. 1,740,431; Dec. 17.
 Warren, George C., Newton, Mass. Bituminous composition and the manufacture thereof. 1,740,212; Dec. 17.
 Warren, Roscoe F., Los Angeles, Calif. Rifle-cleaning rod. 1,739,933; Dec. 17.
 Wasp, James. (See Corby, S. F., and Wasp.)
 Watson, Ronald. (See Lantz, L. A., and Watson.)
 Watson, William, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic casting-washing apparatus. 1,740,052; Dec. 17.
 Watts, Clarence. (See Kinsel, Arthur V., assignor.)
 Watts, Herbert, Tacoma, Wash. Wrench. 1,739,880; Dec. 17.
 Wayne Company. (See Hitzeman, Arnold P., assignor.)
 Weathers, Ethelbert W., San Diego, Calif. Traffic signal. Des. 80,154; Dec. 17.
 Webster, Melvin L., Independence, Iowa. Display and shipping device. 1,739,623; Dec. 17.
 Weed, James M., Scotia, N. Y., assignor to General Electric Company. Electric-arc welding. 1,740,331; Dec. 17.
 Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Welded joint. 1,740,053; Dec. 17.
 Weigel, General William, et al. (See Visitation, Aniceto R., assignor.)
 Weigel, Louis G., et al. (See Visitation, Aniceto R., assignor.)
 Weimer, Walter. (See Peebles, Joseph L., assignor.)
 Weingand, Richard. (See Czapek, E., and Weingand.)
 Weldon, Charles F., Lake Geneva, Wis. Printer's quoin chase. 1,740,382; Dec. 17.
 Wells, Harry D., Concord, N. H. Solution-feeding mechanism for concrete mixers. 1,740,324; Dec. 17.
 Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Spool. 1,739,881; Dec. 17.
 Werner, Leo J., Arlington, N. J., assignor to Dubilier Condenser Corporation, New York, N. Y. Condenser. 1,740,131; Dec. 17.
 Wessel, Isaac L., deceased, Muskegon, Mich.; W. A. Wessel, administrator. Grapple for handling hot castings. 1,740,383; Dec. 17.
 Wessel, William A., administrator. (See Wessel, Isaac L.)
 West, Stephen I., and C. F. Sawyer, Palouse, Wash. Cow-tail holder. 1,739,565; Dec. 17.
 Westberg, Harry. (See Wilson, W. H., and Westberg.)
 Westby, Peder P., Peterborough, Ontario, Canada. Bark-ing drum. 1,739,564; Dec. 17.
 Weston, Edward B., Dayton, Ohio, and W. G. Clark, Terre Haute, Ind., assignors to The Weston Paper and Manufacturing Company, Dayton, Ohio. Making straw paper. 1,740,132; Dec. 17.
 Weston Paper and Manufacturing Company, The. (See Weston, E. B., and Clark, assignors.)
 Westinghouse Air Brake Company, The. (See Bartholomew, John R., assignor.)
 Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
 Westinghouse Air Brake Company. (See McCune, Joseph C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bates, Harry H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bryant, Ozro N., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See White, Thomas U., assignor.)
 Whamond, David, Kittanning, Pa. Loading machine. 1,739,624; Dec. 17.
 Wheeling Stamping Company. (See Davis, Walter T., assignor.)
 Whinnen, Eugene, Los Angeles, Calif., assignor to Sullivan Machinery Company, Core drill. 1,739,934; Dec. 17.
 Whitcomb, Arthur W., Evanston, Ill. Mounting and light stop for double shade rollers. 1,740,213; Dec. 17.

White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Hopper and driving mechanism. 1,739,996; Dec. 17.
 White, John C., assignor of forty-nine one-hundredths to J. M. Hutcheson, Eureka, Calif. Welding apparatus. 1,740,133; Dec. 17.
 White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,739,935; Dec. 17.
 Whittenack, Charles H. (See Müller, Fred W., assignor.)
 Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical transmission circuits. 1,739,699; Dec. 17.
 Whitlock, George E., Toledo, Ohio. Tread. 1,739,997; Dec. 17.
 Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle or similar article. Des. 80,155; Dec. 17.
 Wikschtröm, Jakob, Düsseldorf, Germany. Machine for the manufacture of nails from wire. 1,739,745; Dec. 17.
 Wilcox, George R., assignor to Goodell-Pratt Company, Greenfield, Mass. Electric drill. Des. 80,156; Dec. 17.
 Wiley, Esmond F., San Francisco, assignor to Universal Window Company, Oakland, Calif. Latch for awning-type windows. 1,739,998; Dec. 17.
 Wilhelm, Christian, Philadelphia, Pa. Temperature control apparatus. 1,739,882; Dec. 17.
 Wilkinson, Clarence M., Akron, Ohio. Waste-disposal chute. 1,739,534; Dec. 17.
 Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Latch for tiltable dump bodies. 1,739,746; Dec. 17.
 Willwerscheid, Theodor R., St. Paul, Minn. Lamp-post with illuminated street signs. 1,740,054; Dec. 17.
 Wilson, Archibald E., et al. (See Monument, George A., assignor.)
 Wilson, John H., New Kensington, assignor, by mesne assignments, to The Aluminum Company of America, Pittsburgh, Pa. Handle socket and protector. 1,739,700; Dec. 17.
 Wilson, William C., Port Washington, N. Y. Screen. 1,739,701; Dec. 17.
 Wilson, William H., and H. Westberg, Los Angeles, Calif., assignors of one-fourth to R. P. Miller and three-fourths to said Wilson. Building construction. 1,739,883; Dec. 17.
 Wing, Roy E., Detroit, Mich. Golf-bag support. 1,739,702; Dec. 17.
 Winning, Robert K., Wauwatosa, assignor to Cinn Manufacturing Company, Milwaukee, Wis. Friction detent. 1,739,812; Dec. 17.
 Winship, Emory. (See Knight, George D., assignor.)
 Winston, Sydney H., Brooklyn, N. Y. Spectacle case. 1,740,134; Dec. 17.
 Winterkorn, Albert, Columbus, Ohio. Airplane. 1,739,703; Dec. 17.
 Wired Radio, Inc. (See Taylor, Albert H., assignor.)
 Wishart, William, Clinton, Iowa, assignor to Climax Engineering Company. Control-valve mechanism. 1,740,135; Dec. 17.
 Wiswedel, Friedrich, Schlagenthin, Germany. Ship's propeller. 1,739,884; Dec. 17.
 Wolters, Edgar, Hamburg, Germany. Therapeutic device. 1,739,825; Dec. 17.
 Wood, Walter W., Canton, Ohio. Window glass. 1,740,278; Dec. 17.
 Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 80,157; Dec. 17.
 Wright, James A., Montreal, Quebec, Canada. Vehicle construction. 1,739,535; Dec. 17.
 Wright, Newt, E., Coalgood, Ky. Milk-can cover and support. 1,740,384; Dec. 17.
 Wright, Wallace C., Brookfield, N. H., assignor to Harding Engineering Company, East Boston, Mass. Slicking machine. 1,740,434; Dec. 17.
 Wright, William. (See Bernbaum, J. W., and Wright.)
 Wurdack, Arthur, Normandy, Mo. Chair. 1,740,214; Dec. 17.
 Wyllie, John R. (See Andrews, D. S., and Wyllie.)
 Wyllie, John R., New Canaan, Conn., assignor to Andrews Crane Corporation, New York, N. Y. Hand lift-platform truck. 1,739,999; Dec. 17.
 Yacker, Max. (See Feldman, P., and Yacker.)
 Yancey, Arthur, New Orleans, La., assignor to Squeez Ezy Mop Co., Inc. Combined mop and wringer. 1,739,704; Dec. 17.
 Young, Charles H. (See Ernst, F. A., and Young.)
 Young, Clarence H., Boston, Mass. Shoe stick. 1,739,813; Dec. 17.
 Youngstown Pressed Steel Company, The. (See Lenney, Clarence B., and G. P., assignors.)
 Zaidan Hōjin Rikagaku Kenkyūjo. (See Isobe, Hajime, assignor.)
 Zaidan Hōjin Rikagaku Kenkyūjo. (See Nagaoka, H., Asada, and Machida, assignors.)
 Zbinden, Emil, Solothurn, Switzerland. Alternating-current driving device. 1,739,885; Dec. 17.
 Zenith Radio Corporation. (See Heath, Wilfrid P., assignor.)
 Zinn, John E., et al. (See Leak, William, assignor.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid derivative, Barbituric. F. Boedecker. 1,739,662; Dec. 17.
 Acid from waste gases, Recovery of sulphurous. C. Hansen. 1,740,842; Dec. 17.
 Acid, Production of formic. W. C. Arsem. 1,740,140; Dec. 17.
 Acid-resisting apparatus. G. D. Knight. 1,739,843; Dec. 17.
 Acids, Bleaching fatty. A. Godal. 1,740,012; Dec. 17.
 Advertising device. E. M. Pitts. 1,739,801; Dec. 17.
 Advertising device. E. H. Sanders. 1,739,915; Dec. 17.
 Advertising device. F. W. Schmidt. 1,739,865; Dec. 17.
 Aerating ice cans. System for. J. A. Martocello. 1,739,979; Dec. 17.
 Aeroplane. J. Hübschman. 1,740,016; Dec. 17.
 Airplane. G. E. McCrea. 1,739,798; Dec. 17.
 Airplane. A. Winterkorn. 1,739,703; Dec. 17.
 Air preheater. H. H. Bates. 1,740,145; Dec. 17.
 Air-preheating device. O. de Lorenzi. 1,739,507; Dec. 17.
 Alarm device, Pressure. G. R. Baldwin. 1,739,568; Dec. 17.
 Alcohol and methylfurane, Manufacture of furfuryl. E. Hicard and H. M. Guinet. 1,739,919; Dec. 17.
 Ammonia as a lubricant. Use of. F. A. Ernst and C. H. Young. 1,739,957; Dec. 17.
 Amusement device. C. Britton and C. McCormack. 1,739,945; Dec. 17.
 Angle-cock device. C. C. Farmer. 1,739,584; Dec. 17.
 Aniline black on textile fibers, Production of. L. A. Lantz and R. Watson. 1,739,908; Dec. 17.
 Animal trap. W. J. Chisholm. 1,740,333; Dec. 17.
 Annunciator and operating means therefor. H. L. Ungerer. 1,740,129; Dec. 17.
 Appliance for opening fiber bundles. R. Setzer. 1,740,439; Dec. 17.
 Ash receiver and cigarette and match holder, Combined. M. Cohen. Des. 80,108; Dec. 17.
 Assembling device. C. L'Enfant. 1,739,762; Dec. 17.
 Athletic protective device. H. Goldsmith. 1,740,171; Dec. 17.
 Atomizer. A. J. Shankis. 1,740,373; Dec. 17.
 Automobile seat. R. C. Travis. 1,739,741; Dec. 17.
 Automobiles in freight cars, Device for holding. G. C. Fiddeman. 1,739,829; Dec. 17.
 Automobiles, Instrument board for. F. I. du Point. 1,739,954; Dec. 17.
 Automotive brake. J. R. Bartholomew. 1,739,496; Dec. 17.
 Awning. G. R. Hall. 1,740,400; Dec. 17.
 Awning-actuating mechanism. E. Martin. 1,740,190; Dec. 17.
 Awning bracket, Automobile. J. L. Peebles. 1,739,518; Dec. 17.
 Axle press. W. W. Dimmick. 1,739,891; Dec. 17.
 Bag: See—
 Hand bag.
 Bag. W. Friedman. 1,739,634; Dec. 17.
 Bait, Fishing. J. H. Cowan. 1,740,335; Dec. 17.
 Band, chain, or linkage, Flexible. A. L. Newman. 1,739,689; Dec. 17.
 Band, Endless track. W. A. and N. D. Trinler. 1,739,533; Dec. 17.
 Band for trousers, Leg. H. Mines. 1,739,687; Dec. 17.
 Band or bracelet, Expandible. C. H. Kestenman. 1,739,722; Dec. 17.
 Bandage, Nonslipping abdominal. A. E. Sauter. 1,739,989; Dec. 17.
 Bank and toy, Savings. I. J. A. Hagemo. 1,740,172; Dec. 17.
 Battery: See—
 Electric battery.
 Bearing. E. Gross. 1,740,084; Dec. 17.
 Bearing, Double-end-thrust self-lubricating. N. Skillman. 1,739,528; Dec. 17.
 Bearing, Self-lubricating. F. W. Müller. 1,740,197; Dec. 17.
 Bed, Portable folding. N. Sinclair. 1,739,805; Dec. 17.
 Beeswax, Bleaching. P. Mahler. 1,739,796; Dec. 17.
 Belt lacing. C. B. Larson. 1,740,181; Dec. 17.
 Belt-lacing machine. C. B. Larson. 1,740,180; Dec. 17.
 Bending apparatus. H. M. Hessenbruch. 1,740,091; Dec. 17.
 Bicycle, velocipede, or the like. D. C. Bemont. 1,739,628; Dec. 17.
 Binder, Wire package. A. J. Gerrard. 1,739,962; Dec. 17.
 Bliscuit-making machinery. E. M. Crosland. 1,739,504; Dec. 17.
 Bit: See—
 Expansive bit.
 Bit for boring wells, Drill. C. E. Lang. 1,739,846; Dec. 17.
 Bituminous composition and the manufacture thereof. G. C. Warren. 1,740,212; Dec. 17.
 Block: See—
 Pulley block.
 Block for steel studding and the like. C. Collins. 1,739,824; Dec. 17.
 Blotting device. G. P. Bodee. 1,740,063; Dec. 17.
 Board: See—
 Drawing board. Steam board.
 Bobbin stripper. E. A. Terrell. 1,740,127-S; Dec. 17.
 Bog cutter and road leveler. C. Faulhaber. 1,740,396; Dec. 17.
 Boiler: See—
 Condenser boiler. Steam boiler.
 Boiler baffle. D. S. Jacobus. 1,739,969; Dec. 17.
 Boiler with superheater, Cylindrical marine. S. Hoffman. 1,740,239; Dec. 17.
 Bolt construction. W. Marshall and F. Kiebler. 1,739,685; Dec. 17.
 Bookholder and table. C. F. Lowry. 1,739,643; Dec. 17.
 Boring and grinding machine, Portable. J. Appleton. 1,739,536; Dec. 17.
 Bottle closure. W. W. Mason. 1,739,763; Dec. 17.
 Bottle-decapping apparatus. A. J. Lippold. 1,740,186; Dec. 17.
 Bottle-dipping machine. H. B. Silver. 1,739,526; Dec. 17.
 Bottle for perfume or the like. S. de Vaulchier. Des. 80,117; Dec. 17.
 Bowl, Sugar. H. H. Schott. Des. 80,143; Dec. 17.
 Bowling-alley-surfacing machine. D. G. Johnson and W. L. Campbell. 1,740,244; Dec. 17.
 Box: See—
 Folding box. Tool box.
 Match box. Weather-map pen box.
 Box. F. J. Schleicher. 1,739,920; Dec. 17.
 Box. E. Skinner. 1,739,529; Dec. 17.
 Bracelet. A. E. R. Spedel. Des. 80,149; Dec. 17.
 Bracket: See—
 Awning bracket. Instrument bracket.
 Brake bracket.
 Bracket and auxiliary shock absorber, Automobile bumper. F. Ungar. 1,739,930; Dec. 17.
 Bracket for adjustable window ventilators. E. L. Newsum. 1,740,198; Dec. 17.
 Bracket for ice cans, Off-center. J. A. Martocello. 1,739,978; Dec. 17.
 Brake: See—
 Automotive brake. Press brake.
 Brake apparatus, Vehicle. N. A. Christensen. 1,739,783; Dec. 17.
 Brake bracket, Railway. J. A. Baker. 1,739,776; Dec. 17.
 Brake device for lifeboats. R. Libani. 1,740,027; Dec. 17.
 Brake mechanism. N. A. Christensen. 1,739,781; Dec. 17.
 Brake mechanism, Vehicle wheel. N. A. Christensen. 1,739,782; Dec. 17.
 Brake-operating device. A. Martzloff. 1,740,363; Dec. 17.
 Braking device for motor vehicles, Retrograde-movement. S. W. Albright. 1,740,137; Dec. 17.
 Brick shape for building blast-furnace linings and the like. J. C. Morehead. 1,740,258; Dec. 17.
 Brooch or similar article. B. Mechovits. Des. 80,137-9; Dec. 17.
 Brooder. J. D. Huggins. 1,740,402; Dec. 17.
 Brooder, Chicken. J. Szilagyi. 1,740,277; Dec. 17.
 Brush, Fountain. M. Soas. 1,739,872; Dec. 17.
 Buckle attachment, Wear-hook. W. A. Sunkler. 1,739,618; Dec. 17.
 Buckle, Belt. E. S. Mix. Des. 80,140; Dec. 17.
 Buckle or similar article. T. H. Wightman. Des. 80,155; Dec. 17.
 Buckle, Shield. R. M. Swindler. 1,740,047; Dec. 17.
 Buffer and holder, Door. J. H. Basinger. 1,739,940; Dec. 17.
 Buffing machine. W. M. Spry. 1,739,660; Dec. 17.
 Building construction. T. J. Foster. 1,739,754; Dec. 17.
 Building construction. W. H. Wilson and H. Westberg. 1,739,863; Dec. 17.
 Buoying and driving mechanism for flying machines. G. Hedén. 1,739,967; Dec. 17.
 Burner: See—
 Gas burner. Oil burner.
 Burner apparatus. H. T. Gerdes and A. F. Schumann. 1,740,266; Dec. 17.
 Butyl acetic fermentation process. W. J. Edmonds. 1,740,162; Dec. 17.
 Cabinet construction, File. W. I. Cubberley. 1,739,545; Dec. 17.
 Cabinet, Display. H. L. Baker. 1,740,326-7; Dec. 17.
 Cabinet, Display. R. Orthwine. 1,739,730; Dec. 17.
 Cabinet, Toilet. R. W. Wallace. 1,739,622; Dec. 17.
 Cable, Electric. J. Delon. 1,740,076; Dec. 17.
 Cable splitter. H. W. Klinger. 1,739,972; Dec. 17.

Cable, Three-conductor. W. C. Hayman. 1,740,343; Dec. 17.
 Camera, Reproducing or enlarging. A. W. Caps. 1,739,886; Dec. 17.
 Camera, Shutter lock for. J. H. Olcott. 1,740,112; Dec. 17.
 Candy-cutting machine. A. Olsen, Jr. and J. A. Olsen. 1,740,111; Dec. 17.
 Car, Articulated. E. Latschaw. 1,740,358; Dec. 17.
 Car hanger. P. S. Combs, Jr. 1,740,415; Dec. 17.
 Car-truck side frame. Railway. R. H. Davenport and J. Porter. 1,740,338; Dec. 17.
 Cars and the like, Hold-down apparatus for freight. G. C. Felderman. 1,739,893; Dec. 17.
 Carbon monoxide, Apparatus for the production of. W. C. Arsem. 1,740,139; Dec. 17.
 Carbonizing process. E. A. Dieterle. 1,739,786; Dec. 17.
 Carburetor. E. V. Beals. 1,739,817-18; Dec. 17.
 Carburetor. W. C. Carter. 1,740,282; Dec. 17.
 Carburetor. F. V. A. Thomas. 1,739,563; Dec. 17.
 Carburetors, Heating. A. Boulade. 1,740,221; Dec. 17.
 Card-selector mechanism. F. F. C. Rippon. 1,739,651; Dec. 17.
 Cards, Device for joining. W. Y. Allen. 1,740,215; Dec. 17.
 Carillon mechanism. C. F. Johnston. 1,740,355; Dec. 17.
 Carpet-sweeper case. F. W. Pullen. 1,739,521; Dec. 17.
 Carriage, Rocking baby. L. Davis. 1,739,785; Dec. 17.
 Carrier. See—
 Luggage carrier. Trunk and luggage carrier.
 Paper rope carrier.
 Carrier. E. F. Nasser. 1,740,368; Dec. 17.
 Carrying device. S. Vahouny. 1,740,211; Dec. 17.
 Carions, Apparatus for setting up. E. L. Smith and A. E. Phelon. 1,739,619; Dec. 17.
 Case. See—
 Carpet-sweeper case. Shipping case.
 Key case. Spectacle case.
 Novelty case. Thermometer case.
 Casing cutter, Inside. E. Ventresca. 1,739,932; Dec. 17.
 Casing for an air purifier. A. Longoria. Des. 80,135; Dec. 17.
 Casing for a tape sealing machine. W. A. Utz, sr. Des. 80,151; Dec. 17.
 Casing head, Packed. C. A. Rasmussen, C. R. Butler, and W. A. Trout. 1,739,802; Dec. 17.
 Casing oil for initiating gas lift in oil wells, Displacing dead. F. W. Lake. 1,740,102; Dec. 17.
 Casket. T. La Tessa. Des. 80,127; Dec. 17.
 Casks, Making metallic. A. J. Muhlbach. 1,740,196; Dec. 17.
 Ceiling construction, Slab. H. E. Marks. 1,739,977; Dec. 17.
 Cellulose, Manufacture of sheetlike articles and the like from. E. Czapek and R. Weingand. 1,740,226; Dec. 17.
 Cellulose precipitating agent. E. Czapek and R. Weingand. 1,740,227; Dec. 17.
 Cellulose sheets, Making compressed dehydrated. A. W. Morris. 1,739,766; Dec. 17.
 Cellulosic, animal, and other substances against insects, animals, and organisms, Proofing. S. W. Kendall. 1,739,840; Dec. 17.
 Ceramic material and making the same, Light-weight. R. Ericson. Re17,523; Dec. 17.
 Chain, Tire. F. G. Hodel. 1,740,092; Dec. 17.
 Chair. See—
 Folding chair.
 Chair. H. Harris. 1,740,090; Dec. 17.
 Chair. A. Wurdack. 1,740,214; Dec. 17.
 Chart, Seating. F. A. Ruffy. 1,739,988; Dec. 17.
 Chaser and holding the same. S. F. Newman. 1,739,646; Dec. 17.
 Chemicals, Feeding apparatus for. P. Dorsey. 1,739,951; Dec. 17.
 Chlorine ions from electrolytic solutions, Removing. V. Engelhardt. 1,740,165; Dec. 17.
 Chloro-derivatives of n-dihydro-1,2,3,4-anthraquinone-azine, Production of. J. H. Sachs. 1,739,736; Dec. 17.
 Chopper and cultivator. F. Vasconcellos. 1,740,321; Dec. 17.
 Chuck. W. J. Snyder and E. C. Ahlheim. 1,740,377; Dec. 17.
 Chute, Waste-disposal. C. M. Wilkinson. 1,739,534; Dec. 17.
 Circuit breaker for ignition systems. J. E. Swallinkovich, Jr. 1,739,874; Dec. 17.
 Circuit system, Alarm. G. C. Snyders, C. Gordyn, Jr., J. van de Kamp, and C. E. A. Maitland. 1,740,123; Dec. 17.
 Circuits, Electrical transmission. H. Whittle. 1,739,699; Dec. 17.
 Clamp. See—
 Ledge-board clamp. Work-holding clamp.
 Clays, Treatment of decolorizing. W. A. Raine and R. C. Pollock. 1,739,734; Dec. 17.
 Cleaner. See—
 Windshield cleaner.
 Cleaning tank. C. H. Slanier. 1,739,695; Dec. 17.
 Clip. M. Eichenblatt. 1,740,164; Dec. 17.
 Clock system, Synchronizing. J. W. Bryce and C. H. Gotz. 1,740,330; Dec. 17.
 Closing and straightening tire-bead tape, Apparatus for and method of. W. E. Van Lee. 1,740,050; Dec. 17.
 Closure cap. A. C. Spahn. 1,739,959; Dec. 17.
 Closure for receptacles. M. Levin. 1,740,184; Dec. 17.
 Closure operator. O. C. Johnson. 1,740,020; Dec. 17.
 Closure, Receptacle. A. E. Smith. 1,739,871; Dec. 17.

Closure, Tube. A. E. Smith. 1,739,922; Dec. 17.
 Clutch. J. S. Cartwright and T. Davey. 1,739,751; Dec. 17.
 Clutch. R. Chilton. 1,739,947; Dec. 17.
 Clutch-control mechanism, Automatic. C. L. Putney. 1,740,265; Dec. 17.
 Coat. D. Long. Des. 80,132; Dec. 17.
 Coating device. H. H. Beckwith. 1,739,499; Dec. 17.
 Coating machine. L. F. Light. 1,739,642; Dec. 17.
 Cock or valve, Stop. A. W. Schenker. 1,739,991; Dec. 17.
 Coffee-pot. E. Aborn. 1,740,136; Dec. 17.
 Collapsible rake. E. Dabrowski. 1,740,288; Dec. 17.
 Collapsible tube. W. T. Davis. 1,740,287; Dec. 17.
 Collar and fabric therefor, Semisoft. J. V. Moore. 1,739,912; Dec. 17.
 Collector. S. Kraynick. 1,739,844; Dec. 17.
 Communiting mill. R. C. Newhouse. 1,739,853; Dec. 17.
 Concrete structures against leaking fractures, Safeguarding. E. R. Oden. 1,740,110; Dec. 17.
 Concrete tank construction. G. C. Evans. 1,740,011; Dec. 17.
 Condenser. L. J. Werner. 1,740,131; Dec. 17.
 Condenser-assembling machine. C. Horton, H. R. Van Deventer, and A. C. Helny. 1,740,177; Dec. 17.
 Condenser boiler. A. R. Smith. 1,740,318; Dec. 17.
 Condenser, Variable. W. Dublier. 1,740,159; Dec. 17.
 Conduit fitting. R. P. Dunmire. 1,739,953; Dec. 17.
 Connector. C. L. Stoeltzen. 1,739,740; Dec. 17.
 Connectors for dry cells, Process and apparatus for forming. C. P. Delbel. 1,739,506; Dec. 17.
 Container and dispenser, Seed. W. F. Kollman. 1,739,599; Dec. 17.
 Container and hood cap therefor. C. Ellis. 1,739,581; Dec. 17.
 Container closure. J. M. Hothersall. 1,739,759; Dec. 17.
 Container for cranes, Mechanical collecting. W. Polgar. 1,740,116; Dec. 17.
 Container, Honey. J. H. Du Rall. 1,740,394; Dec. 17.
 Container, Shipping. D. S. Andrews and J. R. Wyllie. 1,740,000; Dec. 17.
 Control of electrical energy. C. A. Sprague. 1,739,924; Dec. 17.
 Control of repeaters, Remote. E. R. Taylor. 1,739,532; Dec. 17.
 Control system, Remote. E. R. Taylor. 1,739,531; Dec. 17.
 Control system, Supervisory. T. U. White. 1,739,935; Dec. 17.
 Conveyor for high-temperature furnaces. G. F. Beach. 1,739,497; Dec. 17.
 Cooler. See—
 Oil cooler.
 Cooling rack. H. M. Gamble. 1,739,895; Dec. 17.
 Cooling tower. J. M. Seymour. 1,739,867; Dec. 17.
 Core, Collapsible. F. L. Johnson. 1,740,245; Dec. 17.
 Core drill. R. D. Thompson. 1,739,928; Dec. 17.
 Core drill. E. Whinnen. 1,739,934; Dec. 17.
 Core for molds. G. Bühler. 1,739,542; Dec. 17.
 Core-making machine. R. S. Clecro. 1,739,663; Dec. 17.
 Cotter-pin-locking means. G. T. Cooke. 1,740,284; Dec. 17.
 Coupling. H. E. Brice. 1,740,328; Dec. 17.
 Coupling device, Expansion. D. Marinsky. 1,739,974; Dec. 17.
 Coupling member. D. Marinsky. 1,739,975; Dec. 17.
 Cover and humidifier, Radiator. J. E. Burke. 1,739,576; Dec. 17.
 Cover and support, Milk-can. N. E. Wright. 1,740,884; Dec. 17.
 Cover, Casserole. H. H. Schott. Des. 80,145; Dec. 17.
 Cover, Thief-hole. W. G. McMurray. 1,739,911; Dec. 17.
 Cow poke. A. B. Lund. 1,740,256; Dec. 17.
 Crane attachment for tractors. J. B. Barnett. 1,739,938; Dec. 17.
 Crushing, grinding, and refining machine. S. Bramley-Moore. 1,740,194; Dec. 17.
 Cubicles, bathing boxes, and the like, Construction of. S. F. Corby and J. Wasp. 1,739,664; Dec. 17.
 Cultivator. E. H. Fincher and G. W. Fincher. 1,739,508; Dec. 17.
 Cups and the like, Antisplash device for drinking. D. E. Austin. 1,739,627; Dec. 17.
 Current driving device, Alternating. E. Zbinden. 1,739,885; Dec. 17.
 Current system, Direct. G. Somajni. 1,739,562; Dec. 17.
 Cutter. See—
 Casing cutter. Milling cutter.
 Cutting machine. L. J. Lambert. 1,740,251; Dec. 17.
 Decorticating machine. W. H. Richardson. 1,739,611; Dec. 17.
 Dehydrating substance. H. Isohe. 1,740,351; Dec. 17.
 Dentures, Layer for upper. W. M. Stanbrough. 1,739,527; Dec. 17.
 Deodorizer. J. W. and A. W. Pelphey. 1,739,857; Dec. 17.
 Desk stand and penholder, Combination. G. J. Sengbusch. Des. 80,148; Dec. 17.
 Disinfectant, antiseptic, and healing medium. O. Gerngross and K. Rülke. 1,739,586; Dec. 17.
 Dispensing apparatus. P. S. Shield. 1,739,870; Dec. 17.
 Dispensing device for containers, Material. J. J. Klein. 1,739,078; Dec. 17.
 Dispensing machine. H. M. Kauffman. 1,739,970; Dec. 17.
 Display and shipping device. M. L. Webster. 1,739,623; Dec. 17.

Display and slicing device. E. C. Mahler and G. J. Krueger. 1,740,257; Dec. 17.
 Display device. D. J. Coffey. 1,740,071; Dec. 17.
 Distributor plate. J. F. Martin. 1,739,555; Dec. 17.
 Door and window structure. C. E. Stevens. 1,740,124; Dec. 17.
 Door check and tightener. R. C. Broadstone. 1,740,329; Dec. 17.
 Door-controlling mechanism, Fire. G. W. Drew. 1,739,932; Dec. 17.
 Door hanger. F. H. McTigue. 1,739,557; Dec. 17.
 Door lock, Locker. F. H. Hart. 1,739,610; Dec. 17.
 Door-operating device. F. E. Ingraham. 1,740,360; Dec. 17.
 Double-acting motor. G. J. Lugt. 1,739,644; Dec. 17.
 Double-lift jack. M. B. Lucker. Re17,527; Dec. 17.
 Dough divider. F. H. Van Houten. 1,740,049; Dec. 17.
 Dough molder. W. G. Kirchhoff. 1,740,024; Dec. 17.
 Drawing board. J. F. Brewer. 1,740,389; Dec. 17.
 Dredger. A. C. Clark. 1,739,888; Dec. 17.
 Dress. D. Long. Des. 80,131; Dec. 17.
 Dress. D. Long. Des. 80,133-4; Dec. 17.
 Drier. See—
 Garment drier.
 Drier for agricultural products. N. W. Dalton. 1,740,075; Dec. 17.
 Drier for photographic prints. A. J. Cunningham. 1,739,505; Dec. 17.
 Drill. See—
 Rock drill.
 Drink mixer. R. B. Gilchrist. 1,739,635; Dec. 17.
 Drinking flask. B. Y. Jacobson. Des. 80,125; Dec. 17.
 Driving attachment for vehicles, Auxiliary. M. J. August. 1,740,056; Dec. 17.
 Drum, Braking. P. P. Westbye. 1,739,564; Dec. 17.
 Duplicator, Rotary. C. E. Morrison. 1,740,195; Dec. 17.
 Dyeing mixed textile goods made of wool and silk fibers. H. Wagner, H. Elchweide, and E. Fischer. 1,739,879; Dec. 17.
 Dynamo plant, Prime mover. R. H. Earle. 1,740,078; Dec. 17.
 Echo suppressor. H. Nyquist and K. W. Pfeiffer. 1,739,606; Dec. 17.
 Egg tester. E. R. George. 1,739,899; Dec. 17.
 Ejecting ice cream from containers, Apparatus for. W. J. Baynes. 1,740,386; Dec. 17.
 Electric battery. H. M. R. Dam. 1,739,784; Dec. 17.
 Electric drill. G. R. Wilcox. Des. 80,168; Dec. 17.
 Electric heater, Radiant. F. J. Ploch. 1,739,649; Dec. 17.
 Electric iron. F. H. Hanley. 1,739,720; Dec. 17.
 Electric machine, Dynamo. N. Oboukhoff. 1,740,031; Dec. 17.
 Electric signaling. H. Chireix. 1,739,948; Dec. 17.
 Electric switch. H. A. Douglas. 1,739,748; Dec. 17.
 Electric switch. A. C. Gaynor. 1,739,535; Dec. 17.
 Electric switch. C. L. Jones. 1,740,307; Dec. 17.
 Electric switching arrangement. W. K. Kearsley. 1,740,405; Dec. 17.
 Electrical annealing. M. Farmer. 1,739,958; Dec. 17.
 Electrical apparatus, Coin-controlled. C. H. Perkins. 1,739,858; Dec. 17.
 Electrical conductor. H. Jordan. 1,740,403; Dec. 17.
 Electrical connection. G. Gallo P. 1,740,294; Dec. 17.
 Electrical method. P. S. Bauer. 1,740,146; Dec. 17.
 Electrical remote control for ordnance. G. G. Oelke. 1,739,608; Dec. 17.
 Electrical switch. R. W. Jolly. 1,739,596; Dec. 17.
 Electrical translating apparatus. P. H. Dowling. 1,739,579; Dec. 17.
 Electrode, Cathodic. C. F. Honey. 1,740,240; Dec. 17.
 Electrodes and making the same. C. G. Fink and R. E. Lowe. 1,740,291; Dec. 17.
 Electrolytic precipitation of metals. U. C. Talnton. 1,739,772; Dec. 17.
 Electron-discharge device. D. T. Simonds. 1,740,375; Dec. 17.
 Electron-tube apparatus. S. Ruben. 1,740,202; Dec. 17.
 Electroplating device. R. B. Shemitz. 1,739,857; Dec. 17.
 Eliminating the printing of impressions on impression cylinder packings, Device for. H. M. Barber. 1,740,058; Dec. 17.
 Embalmers' trocar. E. R. Hevern. 1,740,174; Dec. 17.
 Embroidery hoop. T. L. Atkinson. 1,740,142; Dec. 17.
 Engine. See—
 Internal-combustion engine.
 Esters of saccharides of higher unsaturated fatty acids, Production of. L. Rosenthal and W. Lenhard. 1,739,863; Dec. 17.
 Evaporating refrigerant liquids. S. C. Carney. 1,739,750; Dec. 17.
 Excavating machines, Boom for. R. R. Downie. 1,739,952; Dec. 17.
 Explosive bit. J. H. Abramson. 1,740,055; Dec. 17.
 Extension device. P. W. Jones. 1,739,676; Dec. 17.
 Extension device. N. T. Nelson. 1,739,688; Dec. 17.
 Extension device. E. F. M. Speidel and K. C. Augenstein. 1,740,432; Dec. 17.
 Eyeglass and spectacle case. S. E. Bouchard. Des. 80,104; Dec. 17.
 Fan. L. O. Monroe. 1,739,604; Dec. 17.
 Fan for internal-combustion engines, Thermostatic-control. O. S. Jervan. 1,740,095; Dec. 17.
 Fastener, Automatic. G. W. Blair. 1,739,500; Dec. 17.
 Fastener, Hood. R. J. Arnoult. 1,740,325; Dec. 17.

Fastener socket and parts thereof, Snap. D. I. Reiter. 1,740,266; Dec. 17.
 Fastening device. R. Paulus. 1,740,262; Dec. 17.
 Fastening device. D. I. Reiter. 1,739,987; Dec. 17.
 Fastening device, Fishhook. J. A. Hill. 1,739,590; Dec. 17.
 Faucet. C. E. Schardeln. 1,739,864; Dec. 17.
 Feeding mechanism for concrete mixers, Solution. H. D. Wells. 1,740,324; Dec. 17.
 Fencing implement. J. Krashenninikoff. 1,739,795; Dec. 17.
 Fermentation apparatus. W. J. Edmonds. 1,740,163; Dec. 17.
 Fertilizers, Mixing. J. M. Parrish. 1,739,732; Dec. 17.
 Fibers for pulp making purposes, Preservation of. T. B. Munroe and E. C. Laibrop. 1,739,645; Dec. 17.
 Fibers, Utilizing stem. C. E. Bahre. 1,739,491; Dec. 17.
 Fibrous material and producing the same, Distended. F. L. Bryant. 1,740,280; Dec. 17.
 Filing device, Saw-tooth. L. Jeter. 1,740,019; Dec. 17.
 Filling and weighing machine, Automatic. G. A. Robinson. 1,739,862; Dec. 17.
 Filling machine, Receptacle. F. P. Pecard. 1,740,032; Dec. 17.
 Film hanger. G. W. Hopkins. 1,740,175; Dec. 17.
 Film shifter. C. A. Bornmann. 1,740,279; Dec. 17.
 Fin construction. H. A. Higgins. 1,739,672; Dec. 17.
 Firearm. C. C. Loomis. 1,740,187; Dec. 17.
 Fire-foam-delivery apparatus. H. Burmeister. 1,740,067; Dec. 17.
 Fishing lure. J. P. Shannon. 1,740,272; Dec. 17.
 Fishing reel. H. S. Broadwell and S. T. Thorpe. 1,740,222; Dec. 17.
 Fixture, Bolt-controlling. E. Lazar. 1,740,182; Dec. 17.
 Flash light and telescope, Combination. E. H. Pitney. 1,740,314; Dec. 17.
 Floor construction, Exhaust-box. A. R. Thompson. 1,739,808; Dec. 17.
 Fluid-controlling system. G. A. Doughty and H. A. Johnston. 1,739,787; Dec. 17.
 Fluid-pressure regulator. L. W. Stettner. 1,739,926; Dec. 17.
 Flying machine. W. Stelzer. 1,739,630; Dec. 17.
 Flying machines, Assembling and repairing. H. Junkers. 1,740,021; Dec. 17.
 Folding box. D. Nelson. 1,739,853; Dec. 17.
 Folding chair. W. E. Kidder. 1,739,552; Dec. 17.
 Folding machine. L. J. Lambert. 1,740,411; Dec. 17.
 Folding machine. A. R. Ridderstrom. 1,740,410; Dec. 17.
 Folding machine. A. R. Ridderstrom. 1,740,412-13; Dec. 17.
 Folding machine and method. L. J. Lambert. 1,740,407; Dec. 17.
 Folding machine and method. A. R. Ridderstrom. 1,740,408-9; Dec. 17.
 Folding machine and method. A. R. Ridderstrom. 1,740,414; Dec. 17.
 Foot-treatment appliance. A. E. Block. 1,739,540; Dec. 17.
 Formaldehyde, Production of. W. C. Arsem. 1,740,141; Dec. 17.
 Forming pretzels and similar articles, Method of and apparatus for. I. Elliott. 1,739,892; Dec. 17.
 Foundries, Mechanism for handling sand in. E. S. Carman. 1,739,887; Dec. 17.
 4-hydroxy-3-acetaminophenyl-1-arsonic acid, Manufacturing. L. Benda and O. Sievers. 1,739,820; Dec. 17.
 Frame. See—
 Car-truck side frame. Picture frame.
 Identification-plate frame.
 Frame aerial, Folding. P. Rinkel. 1,739,860; Dec. 17.
 Frame for drying gelatin, glue, and the like. J. C. Anderson. 1,739,567; Dec. 17.
 Frame for eyeglasses, Spectacle. F. Spill. Des. 80,150; Dec. 17.
 Frames for sunglasses and the like, Method and apparatus for manufacturing. F. Spill. 1,739,696; Dec. 17.
 Friction detent. R. K. Winning. 1,739,812; Dec. 17.
 Fruit cutting and pitting machine. J. Turner. 1,739,995; Dec. 17.
 Fuel-distributing apparatus. C. E. Underwood and J. A. Bently. 1,739,929; Dec. 17.
 Fuel-injection device for internal-combustion engines. H. B. Ricardo. 1,740,316; Dec. 17.
 Funnel, Filtering. C. R. Owens. 1,739,559; Dec. 17.
 Funnel or the like, Collapsible. T. H. Donnelly. 1,740,418; Dec. 17.
 Fur mixing and dusting machine. H. B. Fanton. 1,740,289; Dec. 17.
 Furnace. See—
 Nonreversible furnace. Sectional furnace.
 Furnace. A. O. Hansen. 1,739,836; Dec. 17.
 Furnace. G. A. Kohout. 1,739,907; Dec. 17.
 Furnace and operating the same. W. de Fries. 1,740,288; Dec. 17.
 Furnace protection. G. P. Jackson. 1,739,594; Dec. 17.
 Fuses, Operating electric projectile. H. Schuler and A. Gietman. 1,739,921; Dec. 17.
 Galvanizing apparatus. B. P. Flukbone. 1,740,081; Dec. 17.
 Garment. G. Sferanza. 1,740,272; Dec. 17.
 Garment drier. J. D. Smith. 1,739,923; Dec. 17.
 Garment, Leg-covering. J. Fink. Re17,525; Dec. 17.
 Garment, Sleeping. P. A. Luckett. 1,740,028; Dec. 17.
 Gas and air lift operations, Centralized header system for. F. W. Lake. 1,740,106; Dec. 17.
 Gas burner. J. F. Mustee. 1,739,515; Dec. 17.

Gas, Dehydrating. W. J. Klaiber. 1,740,248; Dec. 17.
 Gas generator, Acetylene. J. C. Stovall. 1,740,208; Dec. 17.
 Gas lift in oil wells, Aeration method for establishing. F. W. Lake. 1,740,104; Dec. 17.
 Gas lift in oil wells, Alternate pressure-balancing method for initiating. F. W. Lake. 1,740,103; Dec. 17.
 Gas lift in oil wells, Simultaneous balanced-pressure and injection method for initiating. F. W. Lake. 1,740,101; Dec. 17.
 Gas lift in oil wells, Soaking method for initiating. A. C. Rubel. 1,740,039; Dec. 17.
 Gas-lift operations in oil wells, Rock-over method for establishing. F. W. Lake. 1,740,105; Dec. 17.
 Gas lift, Swabbing method for initiating. F. W. Lake. 1,740,100; Dec. 17.
 Gas-tap control, Automatic. C. A. Jacot. 1,739,595; Dec. 17.
 Gate lock. B. Heyman. 1,740,301; Dec. 17.
 Gauging device. E. W. Crell. 1,739,711; Dec. 17.
 Gear. Draft. H. R. Tucker. 1,739,876; Dec. 17.
 Gear drive for electromechanical phonographs, Planet. W. Rebkoff. 1,740,315; Dec. 17.
 Gear, Electric motor-driven intermittent driving. J. L. Kimball. 1,740,436; Dec. 17.
 Gear housing. H. E. Blood. 1,739,779; Dec. 17.
 Gear housing for washing machines. S. E. Schroeder. 1,739,616; Dec. 17.
 Gear, Split switching. C. F. Jenkins. 1,740,354; Dec. 17.
 Gem or stone setting. V. Martinkovich. 1,740,191; Dec. 17.
 Generating steam, especially high-pressure steam, Method and apparatus for. S. Löffler. 1,740,254; Dec. 17.
 Generator: See—
 Electric generator.
 Steam generator.
 Geographical educator. C. B. Roberts. 1,739,861; Dec. 17.
 Glass apparatus, Downflow sheet. E. T. Ferngren. 1,739,960; Dec. 17.
 Glass apparatus for feeding molten. L. D. Soublier. 1,739,873; Dec. 17.
 Glass apparatus for surfacing sheet. J. P. Crowley. 1,740,008; Dec. 17.
 Glass articles, Frosting. R. D. Smith. 1,740,376; Dec. 17.
 Glass, Feeding molten. K. E. Peiler. 1,739,519; Dec. 17.
 Glass, Method and apparatus for forming sheet. H. E. Allen and W. F. Brown. 1,739,936; Dec. 17.
 Glass-polishing machine. E. J. Kiefer. 1,740,247; Dec. 17.
 Glass-shaping machine. H. A. Genest. 1,740,236; Dec. 17.
 Glass-shaping machine. E. H. Lorenz. 1,740,310; Dec. 17.
 Glass-surfacing apparatus, Sheet. E. G. Stahle. 1,739,925; Dec. 17.
 Glassware, Producing cracked. V. O. Cornwell and F. J. Blackburn. 1,739,825; Dec. 17.
 Glove and making the same. S. E. Benjamin and W. P. Murray. 1,740,218; Dec. 17.
 Glove, Swimming. G. Fekettis. 1,740,290; Dec. 17.
 Golf putting green. F. A. Schmitz. Des. 80,142; Dec. 17.
 Grapple. W. M. Marble. 1,739,601; Dec. 17.
 Grapple for handling hot castings. I. L. Wessel. 1,740,383; Dec. 17.
 Grating structure. N. Berson. 1,740,219; Dec. 17.
 Grinder, Grain. J. C. Bohmker. 1,739,574; Dec. 17.
 Grinding machine. R. E. Flanders. 1,739,753; Dec. 17.
 Grinding or pulverizing gummy, pasty, or viscous material. H. F. Kleinfeldt. 1,739,761; Dec. 17.
 Grinding plate glass. J. P. Crowley. 1,740,005; Dec. 17.
 Guide for textile machines. J. R. Mitchell. 1,740,311; Dec. 17.
 Guiding traveling webs, Mechanism for. F. Tandel. 1,739,993; Dec. 17.
 Gumming device for envelope-making machines. F. J. Parks. 1,739,647; Dec. 17.
 Gun-drilling device. J. H. Everett. 1,740,080; Dec. 17.
 Gutta-percha and a nonhygroscopic rubber, Manufacture from latex of an artificial. E. S. Ah-Cohen. 1,739,566; Dec. 17.
 Hair-curling device. S. Freeman. 1,740,169; Dec. 17.
 Hair-curling device. A. E. Pausser. 1,740,313; Dec. 17.
 Hammer, Forge. W. J. Hagman. 1,740,341; Dec. 17.
 Hand bag. O. J. Wallinsky. 1,739,698; Dec. 17.
 Handle. L. J. Barwood. 1,739,706; Dec. 17.
 Handsaw, Portable power. J. M. Crowe. 1,740,074; Dec. 17.
 Hanger: See—
 Car hanger.
 Film hanger.
 Hardening articles. W. G. Hildorf. 1,740,347; Dec. 17.
 Harmonic device for stringed instruments. B. E. Mills. 1,739,799; Dec. 17.
 Harvester attachment. L. D. Morse. 1,739,558; Dec. 17.
 Harvester, Cotton. W. F. Speck. 1,740,274; Dec. 17.
 Hat blocking and steaming attachment. H. Diener. 1,740,008; Dec. 17.
 Hatrack. O. W. Eckstein. 1,739,955; Dec. 17.
 Hat, Straw. F. R. Ephraim. 1,740,234; Dec. 17.
 Headlight. J. Fatten and W. Bangert. 1,739,800; Dec. 17.
 Headlight, Dirigible. G. S. Keck. 1,740,178; Dec. 17.
 Headlight for motor vehicles. J. V. Cunniff and J. A. Darsie. 1,740,007; Dec. 17.
 Headlight photometer. C. S. Ricker. 1,739,650; Dec. 17.

Headlights, Nonglare shield for. H. B. Ault. 1,739,626; Dec. 17.
 Heat exchanger. R. O. Henszey. 1,740,300; Dec. 17.
 Heat-exchanging device. C. McNeil. 1,740,192; Dec. 17.
 Heater: See—
 Electric heater.
 Induction heater.
 Heater. T. E. Murray. 1,739,767; Dec. 17.
 Heating and cooling of buildings. R. G. Crittal and J. L. Musgrave. 1,740,336; Dec. 17.
 Heating and storage apparatus, Water. L. S. Chadwick and M. Resek. 1,740,068; Dec. 17.
 Helicopter. H. C. Privett. 1,739,984; Dec. 17.
 Hold-down device. G. C. Fedderman. 1,739,828; Dec. 17.
 Hold-down device for automobiles. G. C. Fedderman. 1,739,827; Dec. 17.
 Holder, Arm and bottle. J. A. Heinz. 1,740,344; Dec. 17.
 Holder, Bottle. H. M. Enz. 1,740,233; Dec. 17.
 Holder, Coll. H. M. Naugle and A. J. Townsend. 1,740,260; Dec. 17.
 Holder, Combined nipple and bottle. G. R. Livergood. 1,739,910; Dec. 17.
 Holder, Cow-tail. S. I. West and C. F. Sawyer. 1,739,565; Dec. 17.
 Holder, Curtain. H. Kasbarian. 1,739,551; Dec. 17.
 Holder for cooking utensils, Cover. W. H. Schmitt. 1,740,042; Dec. 17.
 Holder for electric conductors. A. Rapsardt. 1,740,035; Dec. 17.
 Holder for nursing bottles and the like. G. R. Livergood. 1,739,909; Dec. 17.
 Holder, Golf-tee. A. E. Buhrke. 1,739,780; Dec. 17.
 Holder, License-plate. T. H. Lisby. 1,739,682; Dec. 17.
 Holder, Mixing-bowl. W. M. Hostetter. 1,740,401; Dec. 17.
 Holder, Receptacle. A. S. Greene. 1,739,588; Dec. 17.
 Holder, Thread. J. M. Payne and L. W. Hodge. 1,740,200; Dec. 17.
 Hollow roll. G. Baehr. 1,739,939; Dec. 17.
 Hood for automobiles and other vehicles. F. J. Leather. 1,740,025; Dec. 17.
 Hook: See—
 Pintle hook.
 Hoop: See—
 Embroidery hoop.
 Train-order hoop.
 Hopper and driving mechanism. F. R. White. 1,739,896; Dec. 17.
 Horn-reinforcing means. E. J. Gulick. 1,739,791; Dec. 17.
 House number, Illuminated. P. J. Chiapetto. 1,739,709; Dec. 17.
 Humidifying device for internal-combustion engines. J. A. Bell. 1,739,570; Dec. 17.
 Hydraulic machine. E. H. Brown. 1,740,066; Dec. 17.
 Hydrocycle. J. M. Arroyo. 1,740,213; Dec. 17.
 Identification plate frame. P. J. Kent. 1,739,971; Dec. 17.
 Ignition device for gas burners. C. E. Methudy. 1,739,851; Dec. 17.
 Incrustation in steam boilers, Apparatus for preventing. J. Kohseff. 1,739,640; Dec. 17.
 Incubator. T. K. Tiffany. 1,740,433; Dec. 17.
 Index device. J. H. Rand. 1,740,118; Dec. 17.
 Indicator. O. N. Bryant. 1,740,153; Dec. 17.
 Induction heater. H. N. Shaw. 1,739,617; Dec. 17.
 Indurated porous object and making same. J. J. Kessler. 1,739,597; Dec. 17.
 Ingot mold. R. G. Redmann. 1,739,769; Dec. 17.
 Inhaler. M. C. Galvin. 1,740,083; Dec. 17.
 Inner tubes or other articles, Method of and apparatus for producing. C. S. Moomy. 1,740,029; Dec. 17.
 Instrument bracket. H. H. Boyce. 1,740,151; Dec. 17.
 Insulator. K. A. Hawley. 1,739,637; Dec. 17.
 Internal-combustion engine. P. Sapienza. 1,740,040; Dec. 17.
 Iron: See—
 Electric iron.
 Ironing table. C. B. and G. P. Lenney. 1,740,183; Dec. 17.
 Jack: See—
 Double-lift jack.
 Vehicle jack.
 Jacking and traversing attachment for motor vehicles. A. W. Althoff. 1,740,385; Dec. 17.
 Jar: See—
 Preserving jar.
 Joint: See—
 Welded joint.
 Jolt packing machine. G. W. Blake. 1,739,707; Dec. 17.
 Key case. E. V. Andersen. 1,739,814; Dec. 17.
 Key-holding device, Skate. N. J. Anderson. 1,740,138; Dec. 17.
 Key-retainer strip. R. H. Thayer. 1,740,048; Dec. 17.
 Lamp. M. Kornblum. Des. 80,128; Dec. 17.
 Lamp-attaching device for miners' caps. W. Raster. 1,739,916; Dec. 17.
 Lamp, Gaseous electric discharge. F. Schaefer. 1,739,561; Dec. 17.
 Lamp hood for electric lamps. W. L. Laib. 1,739,679; Dec. 17.
 Lamp, Mercury. H. Nagaoka, T. Asada, and T. Machida. 1,740,030; Dec. 17.
 Lamp mount, Incandescent. P. A. Campbell. 1,740,391; Dec. 17.
 Lamp or similar article, Electric. A. von Frankenberg. Des. 80,152-3; Dec. 17.
 Lamp-post with illuminated street signs. T. R. Willwerth. 1,740,054; Dec. 17.

Last. A. E. Block. 1,740,220; Dec. 17.
 Latch, Door. W. R. Schlage. 1,739,654; Dec. 17.
 Latch for awning-type windows. E. F. Wiley. 1,739,998; Dec. 17.
 Latch for tiltable dump bodies. L. E. Williams. 1,739,746; Dec. 17.
 Lavatory. R. E. Crane. 1,740,156; Dec. 17.
 Lead reagents, Producing soluble. D. W. Parkes. 1,740,312; Dec. 17.
 Ledger-board clamp. T. H. Kingston. 1,739,904; Dec. 17.
 Leg rest for autoists. J. M. Remington. 1,740,267; Dec. 17.
 Lens, Special cut. A. J. Oberg and R. R. Stoefer. 1,739,607; Dec. 17.
 Lens, Spectacle. J. H. Hammon. 1,740,298; Dec. 17.
 Lenses, Making bifocal. C. B. Ustonsen. 1,739,743; Dec. 17.
 Level and transit, Topography. E. S. M. Lovelace. 1,740,255; Dec. 17.
 Lever assembly for door latches, Remote-control. J. H. Clark. 1,739,710; Dec. 17.
 Life-saving device, Fire. C. Romson. 1,740,317; Dec. 17.
 Light: See—
 Portable and adjustable light.
 Light-print (blue-print) machine. C. L. Funtan. 1,740,293; Dec. 17.
 Light-treatment apparatus. N. E. Goodrich. 1,739,509; Dec. 17.
 Lighter, Cigar and cigarette. N. E. Hammerstrom. 1,740,089; Dec. 17.
 Lighting apparatus. W. A. Dorey. 1,740,229; Dec. 17.
 Lighting fixture. C. Richter. Des. 80,141; Dec. 17.
 Lighting fixtures or similar articles, Wall plate for. H. R. Holdeman. Des. 80,121; Dec. 17.
 Lighting system, Stabilized vacuum-tube. L. L. Beck. 1,739,498; Dec. 17.
 Limb, Artificial. D. W. Dorrance. 1,740,230; Dec. 17.
 Liner for jars. T. L. Tallafiero. 1,739,530; Dec. 17.
 Link Chain. J. R. Resburn. 1,739,522; Dec. 17.
 Link resilient body, Multiple. D. Marinsky. 1,739,976; Dec. 17.
 Link, Snap. J. H. Loisel and N. B. Cohen. 1,739,848; Dec. 17.
 Lintel construction. J. F. Makowski. 1,739,684; Dec. 17.
 Liquefier for preparing stone for bitumen coating. S. S. Sadtler. 1,739,652; Dec. 17.
 Liquid-dispensing apparatus. A. P. Hitzeman. 1,740,348; Dec. 17.
 Liquid fuel, Burning. A. L. Klees. 1,740,249; Dec. 17.
 Liquid fuel to internal-combustion engines, Method and apparatus for feeding. M. J. A. Rebillat. 1,739,918; Dec. 17.
 Liquid fuel, Method and apparatus for feeding. J. Schominger, Jr. 1,740,204; Dec. 17.
 Liquid fuels, Apparatus for storing and dispensing. E. Hurlbrink. 1,740,306; Dec. 17.
 Liquid sampler for tanks. P. H. Osborne. 1,739,731; Dec. 17.
 Liquids, Apparatus for elevating. F. G. Kramer. 1,739,511; Dec. 17.
 Lithographic plate and making same, Intaglio offset. O. Kohn. 1,740,423; Dec. 17.
 Lithographic plate and process of preparation. M. C. Beebe, H. V. Herlinger, and R. A. Swain. 1,740,061; Dec. 17.
 Loading and unloading device for tank cars. W. C. Shanley. 1,739,525; Dec. 17.
 Loading machine. D. Whamond. 1,739,624; Dec. 17.
 Lock: See—
 Door lock.
 Gate lock.
 Mortise dead lock.
 Nut lock.
 Pin lock.
 Pin-tumbler lock.
 Switch-stand lock.
 Lock washer. C. G. Olson. 1,740,113; Dec. 17.
 Locking device, Automobile. P. C. Pinkerton. 1,739,648; Dec. 17.
 Locking device, Switch-point. E. W. Maves and W. B. Mews. 1,740,365; Dec. 17.
 Locking means for automobile gear-shift mechanisms. C. L. Johnson. 1,740,096; Dec. 17.
 Locking mechanism, Jail-door. H. D. Garber. 1,739,897; Dec. 17.
 Looms, Pile cutter for. C. Schlemper. 1,739,737; Dec. 17.
 Lubricating composition. R. Cross. 1,739,631; Dec. 17.
 Lubricating device, Line-shaft-bearing. E. M. Schlegel and A. H. Bowler, Jr. 1,739,808; Dec. 17.
 Lubrication fitting. H. C. Gibson. 1,740,297; Dec. 17.
 Luggage carrier. E. F. Engel. 1,740,232; Dec. 17.
 Machine for applying nuts to screws, bolts, and studs. R. S. Crosby. 1,739,712; Dec. 17.
 Machine for broaching spiral gears. J. L. Perkins and H. D. Croft. 1,739,609; Dec. 17.
 Machine for finishing stone. E. A. Chase. 1,740,154; Dec. 17.
 Machine for forming glass articles. R. La France. 1,739,845; Dec. 17.
 Machine for making laminated counter blanks and other articles. B. F. Hartwell. 1,739,670; Dec. 17.
 Machine for mixing two or more substances with each other. H. Eriksson. 1,740,166; Dec. 17.
 Machine for producing raised printing. R. F. Berndt and J. J. Halloran. 1,739,492; Dec. 17.
 Machine for sealing caps to jars. S. N. Tevander. 1,739,875; Dec. 17.

Machine for the manufacture of nails from wire. J. Wikschtröm. 1,739,745; Dec. 17.
 Machines, Blower set for combustion. F. Porsche. 1,739,859; Dec. 17.
 Magnetic material and appliance. G. W. Elmen. 1,739,752; Dec. 17.
 Mail-bag catching and delivering apparatus. R. Munnerley. 1,740,109; Dec. 17.
 Match box. E. Boucard. 1,739,822; Dec. 17.
 Match-making machine. C. N. Neklutin. 1,739,516; Dec. 17.
 Match-making machine, Paper. J. J. Ferretti. Re17,524; Dec. 17.
 Match. A. R. McArthur. 1,739,556; Dec. 17.
 Material-handling apparatus. D. R. Knapp. 1,739,598; Dec. 17.
 Matrix-composing stick. H. R. Freund. 1,740,435; Dec. 17.
 Mattress, Spring. C. K. Rasmussen. 1,739,985; Dec. 17.
 Measuring device, Liquid. J. E. Bushnell. 1,740,390; Dec. 17.
 Measuring distance, Apparatus for. W. F. Grimes. 1,739,901; Dec. 17.
 Measuring instrument. R. von Voss and M. Schleicher. 1,740,130; Dec. 17.
 Measuring instrument, Resistance. M. Martens. 1,740,188; Dec. 17.
 Merry-go-round. R. F. Lamar. 1,739,725; Dec. 17.
 Metal-aligning device. C. Schumacher. 1,739,738; Dec. 17.
 Metal and red metal, Working up mixed shavings of white. A. Schwarz. 1,739,992; Dec. 17.
 Metal-coiling apparatus. D. L. Summey. 1,739,620; Dec. 17.
 Metal planer. C. E. Linden and G. H. Langen. 1,740,185; Dec. 17.
 Micrometer sine protractor. L. H. Cormier. 1,740,072; Dec. 17.
 Mill: See—
 Comminuting mill.
 Saw mill.
 Milling cutter. R. P. Dewey. 1,739,667; Dec. 17.
 Mixer: See—
 Drink mixer.
 Mixing and straining liquids, Device for. B. Burvenick. 1,740,223; Dec. 17.
 Mold: See—
 Ingot mold.
 Molding. J. D. Bolender. 1,739,943; Dec. 17.
 Molding method and apparatus. G. E. Foerstner. 1,740,082; Dec. 17.
 Molten solids, Apparatus for faking. J. C. Boertlein. 1,740,064; Dec. 17.
 Mop and wringer, Combined. A. Yancey. 1,739,704; Dec. 17.
 Mortise deadlock. F. E. Best and F. Powell. 1,739,629; Dec. 17.
 Motion-controlling device. E. W. R. Klenow. 1,739,906; Dec. 17.
 Motor: See—
 Double-acting motor.
 Valveless motor.
 Mounting and light stop for double-shade rollers. A. W. Whitcomb. 1,740,213; Dec. 17.
 Mounting, Interchangeable-jewel. L. Baum. 1,740,060; Dec. 17.
 Mouthpiece for musical instruments. E. J. Gulick. 1,740,013; Dec. 17.
 Musical instrument. F. C. Peslin. 1,739,914; Dec. 17.
 Nest and nest rack, Hen's. W. E. Waller. 1,740,323; Dec. 17.
 Nonreversible furnace. L. Mambourg. 1,739,973; Dec. 17.
 Novelty case, Combination. B. D. Beitel. 1,739,890; Dec. 17.
 Nozzle of vacuum cleaners. S. M. Caristedt. 1,740,001; Dec. 17.
 Nut lock. V. C. Huff. 1,740,094; Dec. 17.
 Nut lock. F. J. Kraber. 1,740,308; Dec. 17.
 Oil, Apparatus for treating. A. B. Steen. 1,740,275; Dec. 17.
 Oil burner. M. J. Binkley. 1,740,062; Dec. 17.
 Oil burner. F. Hardinge. 1,739,548; Dec. 17.
 Oil containing ether derivatives of polyhydroxy alcohols, Soluble. D. R. Merrill. 1,739,688; Dec. 17.
 Oil cooler. H. F. Schmidt. 1,740,120; Dec. 17.
 Oil, Dehydrating. E. W. Gard, B. G. Aldridge, and H. J. Multer. 1,739,834; Dec. 17.
 Oil, Treating. E. W. Gard, B. G. Aldridge, and H. J. Multer. 1,739,898; Dec. 17.
 Oiling system. A. Nutt. 1,739,690; Dec. 17.
 Opener, Envelope. A. M. Jensen. 1,740,018; Dec. 17.
 Ore, mineral, or other matter, and the product produced thereby, Agglomerating. P. Jung. 1,739,839; Dec. 17.
 Organ-stop control. F. B. Converse. 1,740,155; Dec. 17.
 Ornament, Radiator. B. Intingaro. Des. 80,122-4; Dec. 17.
 Oscillating device. L. Greenberg. 1,739,587; Dec. 17.
 Overshoes, Making. R. E. Riley. 1,739,612; Dec. 17.
 Package and making same, Poultry. J. C. Hormel, H. H. Corey, and E. J. Cashman. 1,740,176; Dec. 17.
 Package and method of sealing, Hermetically-sealed. A. Podel. 1,739,692; Dec. 17.
 Packing ring for the valves or other reciprocating parts of fluid-pressure engines. H. R. Ricardo. 1,740,037; Dec. 17.
 Packing unit. H. A. Knox. 1,740,428; Dec. 17.
 Paint and varnish remover. J. M. Verderosa. 1,739,744; Dec. 17.

Paper disk stopper for milk bottles and the like, Water-resistant. C. Ellis. 1,739,582; Dec. 17.
 Paper-dispensing package. Z. W. Ranck. 1,739,580; Dec. 17.
 Paper feed for typewriters. O. Schlichter. 1,740,438; Dec. 17.
 Paper, Making straw. E. B. Weston and W. G. Clark. 1,740,132; Dec. 17.
 Paper, Method of and apparatus for finishing glassine. P. W. Bidwell. 1,739,572; Dec. 17.
 Paper product. C. Ellis. 1,739,580; Dec. 17.
 Paper rope carrier. T. Page. 1,740,261; Dec. 17.
 Parachute. G. M. Simmons. 1,740,044; Dec. 17.
 Parcel-sorting device. J. R. Sousa. 1,740,378; Dec. 17.
 Partition, Interior. P. Feldman and M. Yacker. 1,739,830; Dec. 17.
 Partition strip for composition flooring. W. G. Kelleweay. 1,740,179; Dec. 17.
 Partition wall. S. F. Corby and J. Wasp. 1,739,065; Dec. 17.
 Partition wall. S. F. Corby and J. Wasp. 1,739,066; Dec. 17.
 Pattern effects upon textile goods, Production of. G. Heberlein. 1,739,965-6; Dec. 17.
 Peeler, Vegetable. C. E. A. O'Loughlin. 1,739,517; Dec. 17.
 Pen, Fountain. C. E. Marshall. 1,740,189; Dec. 17.
 Percolator, Coffee. H. H. Schott. Des. 80,147; Dec. 17.
 Perforating machine. W. F. Lautenschlager. 1,739,681; Dec. 17.
 Photo-electric device. I. Langmuir. 1,740,252; Dec. 17.
 Photographic objective. H. W. Lee. 1,739,512; Dec. 17.
 Phototelegraphic synchronization. A. G. Cooley. 1,739,949; Dec. 17.
 Piano-pedal extension. C. E. Hunt. 1,740,017; Dec. 17.
 Piano, Radio, and phonograph, Combination player. H. J. La Jole. 1,739,680; Dec. 17.
 Picture frame. J. B. Sanborn. 1,740,203; Dec. 17.
 Piezo-electric interference eliminator. H. A. Affel. 1,739,494; Dec. 17.
 Pin lock. A. T. Linn. 1,739,847; Dec. 17.
 Pin-tumbler lock. W. D. Hainline. 1,739,964; Dec. 17.
 Pintle hook. F. M. Reid. 1,739,986; Dec. 17.
 Pipe machine, Spiral. K. J. Thorsby. 1,739,774; Dec. 17.
 Piston. G. A. Haight. 1,739,792; Dec. 17.
 Piston. A. L. Nelson. 1,739,605; Dec. 17.
 Piston and piston ring. A. V. Kinsel. 1,739,841; Dec. 17.
 Piston ring. I. C. Bell. 1,739,537; Dec. 17.
 Pitcher, Cream. H. H. Schott. Des. 80,144; Dec. 17.
 Planer head. F. E. Cardullo and H. W. Hunt. 1,739,501; Dec. 17.
 Planographic press. J. S. Fleming. 1,739,585; Dec. 17.
 Plant propagator. G. G. Babich. 1,740,057; Dec. 17.
 Plastic material for molds, Feeding. W. J. Miller. 1,739,981; Dec. 17.
 Playground apparatus. C. E. Hoppes. 1,740,304; Dec. 17.
 Pliers and wire-twisting tool, Combination. G. Donaldson. 1,740,392; Dec. 17.
 Plug, Clean out. F. J. Mersfelder and P. Balze. Re17,528; Dec. 17.
 Plumbing fixture. R. W. Wallace. 1,739,621; Dec. 17.
 Polybasic-acid-polyhydric-alcohol resin and making same. J. H. Schmidt. 1,739,771; Dec. 17.
 Pool, Knockdown. J. P. Hooper. 1,740,303; Dec. 17.
 Pool, Knockdown portable. J. P. Hooper and E. C. Clayton. 1,740,305; Dec. 17.
 Portable and adjustable light. H. F. Lessmann. 1,739,641; Dec. 17.
 Portable Jack. J. R. Henkle. 1,740,299; Dec. 17.
 Portrait enlargement visualizer, Photographic. R. F. Barton. 1,739,816; Dec. 17.
 Pot: See—
 Rapid-stewing pot.
 Powders, Apparatus for packing. H. J. Glaxner. 1,739,790; Dec. 17.
 Power system, Electrical. J. J. Kane. 1,740,356; Dec. 17.
 Power-transmitting mechanism. C. W. Steen. 1,740,046; Dec. 17.
 Preparing and dry-cleaning articles. B. M. Savitt. 1,740,271; Dec. 17.
 Preserving jar. E. P. Kirkevold. 1,739,905; Dec. 17.
 Press: See—
 Axle press.
 Planographic press.
 Press brake. R. T. Hazelton. 1,739,902; Dec. 17.
 Press for molded-leather articles. W. A. Bohne. 1,740,388; Dec. 17.
 Press for the production of artistic prints and impressions. J. Grünberg. 1,740,399; Dec. 17.
 Pressing machine, Power-operated. J. P. Singiser. 1,740,045; Dec. 17.
 Primer and lubricator for gasoline engines, Combined. G. A. Monument. 1,739,728; Dec. 17.
 Print washer. C. B. Truesell. 1,739,742; Dec. 17.
 Printing machine, Cylinder adjustment for offset. A. J. Graf and W. K. Eckhard. 1,739,963; Dec. 17.
 Propelling mechanism, Aircraft. C. S. Hall. 1,740,088; Dec. 17.
 Protecting device. D. Tobin. 1,740,210; Dec. 17.
 Protector and driver for bobbins and the like, Base. J. Lock. 1,740,309; Dec. 17.
 Protector, Clip and scalp. J. P. Fischer. 1,740,292; Dec. 17.
 Protector for bobbins and assembling, Base. J. Lock. 1,740,253; Dec. 17.

Protector switch. R. B. Cummins. 1,740,225; Dec. 17.
 Pulley block. W. Fisher. 1,740,168; Dec. 17.
 Pulley drive particularly for ring spinning and doubling frames, Idler. J. Hildebrandt. 1,739,550; Dec. 17.
 Pump. C. H. Braselton and F. B. MacLaren. 1,739,944; Dec. 17.
 Pump and distributor, Fuel. B. M. Aalaksen. 1,739,747; Dec. 17.
 Pump dynamometer. J. H. Howard and H. N. Marsh. 1,739,675; Dec. 17.
 Pump, Electrically-driven oil-well. C. J. Coberly. 1,740,003; Dec. 17.
 Pump for internal-combustion engines, Fuel. P. L'Orange. 1,740,360; Dec. 17.
 Pump, Rotary. A. Bernard. 1,739,661; Dec. 17.
 Pump structure. F. W. Johnson. 1,739,838; Dec. 17.
 Pump-gauging apparatus. W. Sheehan. 1,740,374; Dec. 17.
 Quick-service device. C. C. Farmer. 1,739,583; Dec. 17.
 Quoin chase, Printer's. C. F. Weldon. 1,740,382; Dec. 17.
 Rack: See—
 Cooling rack.
 Radiator. H. A. Higgins. 1,739,671; Dec. 17.
 Radiator-cap-securing device. H. H. Boyce. 1,740,152; Dec. 17.
 Radiator shell, Automobile. J. C. Coulombe. Des. 80,109-15; Dec. 17.
 Radiators, Forming. J. Karmazin. 1,740,098; Dec. 17.
 Radiocabinet or similar article. E. Worthington. Des. 80,157; Dec. 17.
 Radio loud-speaker. P. P. Schroeder. 1,739,615; Dec. 17.
 Radio receiving circuit. R. K. Potter. 1,739,520; Dec. 17.
 Radio signaling system. E. Bellini. 1,739,941; Dec. 17.
 Radio system, Wired. A. H. Taylor. 1,739,773; Dec. 17.
 Radio transmitting system, Directive. C. W. Rice. 1,740,370-1; Dec. 17.
 Raft, Trolling. H. Chitty. 1,740,002; Dec. 17.
 Rail clamp and brace. W. Leak. 1,740,359; Dec. 17.
 Rail guard, Third. J. Holzel. 1,739,591; Dec. 17.
 Railroad. H. R. Rosenbaum. 1,740,201; Dec. 17.
 Railway signal. J. Kilmala. 1,739,842; Dec. 17.
 Railway structure. C. J. Griffith. 1,739,636; Dec. 17.
 Rake: See—
 Collapsible rake.
 Rapid-stewing pot. A. Schmidt. 1,740,205; Dec. 17.
 Reamer, Rotary changeable cutter. S. L. Campbell. 1,739,823; Dec. 17.
 Record-resurfacing machine. V. L. Frykman. 1,740,425; Dec. 17.
 Record-translating device, Phonograph. W. P. Kent. 1,739,794; Dec. 17.
 Recording dynamometer and measuring load variations. F. W. Lake. 1,739,724; Dec. 17.
 Reel: See—
 Fishing reel.
 Reflecting signal. C. A. Persons. 1,739,733; Dec. 17.
 Refrigerating apparatus. J. G. King. 1,739,639; Dec. 17.
 Refrigerating apparatus. J. G. King. 1,739,723; Dec. 17.
 Refrigerating apparatus. S. M. Schwellen. 1,739,655; Dec. 17.
 Refrigerating system. S. C. Carney. 1,740,281; Dec. 17.
 Refrigeration. R. J. Cracknell. 1,739,544; Dec. 17.
 Refrigerator lining and manufacturing same. O. P. Greenwood and H. B. Bettlinger. 1,740,237; Dec. 17.
 Regulating system, Automatic. F. J. Champlin. 1,740,332; Dec. 17.
 Regulator: See—
 Fluid-pressure regulator.
 Reprodncer and receiver, Combination. J. N. Pepin. 1,739,768; Dec. 17.
 Restaurant. R. W. McCready. Des. 80,136; Dec. 17.
 Restraining device. O. K. Kjolseth. 1,740,357; Dec. 17.
 Rheostat. E. A. Bohlman. 1,739,942; Dec. 17.
 Ribbon and the like roll pack. A. J. Harris. 1,739,549; Dec. 17.
 Rifle-cleaning rod. R. F. Warren. 1,739,933; Dec. 17.
 Rim and fastening means for the same, Demountable. J. H. Wagenhorst. 1,739,877; Dec. 17.
 Ring: See—
 Piston ring.
 Rings, Making finger. H. W. Peters. 1,740,369; Dec. 17.
 Road materials, Apparatus for spreading and leveling. A. E. Schutte. 1,739,804; Dec. 17.
 Rock drill. F. M. Slater. 1,740,122; Dec. 17.
 Rocker. E. T. Blecker. Des. 80,103; Dec. 17.
 Rod and piston construction, Connecting. C. E. Barnes and J. A. Johnson. 1,739,705; Dec. 17.
 Roller mechanism, Feed. C. E. Moore. 1,740,306; Dec. 17.
 Rolling mills, Blank-serving apparatus for. E. A. Nelson. 1,739,854; Dec. 17.
 Room and information rack, Hotel clerk's. J. C. McKinney. 1,739,850; Dec. 17.
 Root-cutting machine. W. G. Hagmaier and E. C. Shaw. 1,740,086; Dec. 17.
 Rotor. F. E. Dumbleton. 1,740,077; Dec. 17.
 Rubber from plants, Extraction of. T. A. Edison. 1,740,079; Dec. 17.
 Safety appliance. A. L. Burton. 1,739,543; Dec. 17.
 Safety device for oil-injection engines. W. A. Morrison. 1,740,259; Dec. 17.
 Safety device for street cars and similar vehicles. J. Dolan. 1,739,714; Dec. 17.
 Safety device for submarines. R. E. Andrew. 1,739,815; Dec. 17.

Safety guard for punch presses. E. P. Johnson. 1,740,419; Dec. 17.
 Saw mill, Band-. W. G. Hagmaier and E. C. Shaw. 1,740,085; Dec. 17.
 Saw set. W. Setterlund. 1,739,656; Dec. 17.
 Scaffold horse. A. N. Gouldh. 1,739,718; Dec. 17.
 Scale, Weighing. A. van Duyn. 1,740,320; Dec. 17.
 Screen. W. C. Wilson. 1,739,701; Dec. 17.
 Screen construction. J. O. Wagner. 1,739,811; Dec. 17.
 Seal and making the same. W. Fehse and W. Hagen. 1,740,397; Dec. 17.
 Sealing articles with wire. H. B. Foulder. 1,739,755; Dec. 17.
 Seam for sewed articles. C. Theroux. 1,740,209; Dec. 17.
 Seat: See—
 Automobile seat.
 Sectional furnace. H. Cowles and J. K. Norris. 1,740,393; Dec. 17.
 Serving device for restaurants, Automatic. G. Giambra. 1,739,900; Dec. 17.
 Sewing machine. H. M. Stephenson. 1,740,380; Dec. 17.
 Shaft, Flexible. B. Granville. 1,739,756; Dec. 17.
 Sharpener, Electric pencil. A. C. Durst. 1,740,395; Dec. 17.
 Shavings and scrap of light metal and alloys thereof, Treating. J. A. Gann. 1,739,717; Dec. 17.
 Sheave structure. A. E. Hall. 1,740,087; Dec. 17.
 Sheet shifter. M. Griffin and H. Auburn. 1,739,547; Dec. 17.
 Shingle. C. Batcheller. 1,740,217; Dec. 17.
 Shipping case. H. R. Bliss. 1,739,778; Dec. 17.
 Ship's propeller. F. Wiswedel. 1,739,884; Dec. 17.
 Shock absorber. A. W. F. Manzel. 1,740,429; Dec. 17.
 Shoe. A. E. Block. 1,739,538 9; Dec. 17.
 Shoe form. W. J. De Witt. 1,740,157; Dec. 17.
 Shoe polisher and shoe-polish stick. N. C. Shatzer. 1,740,043; Dec. 17.
 Shoe stick. C. E. Young. 1,739,818; Dec. 17.
 Shoe stiffener. A. L. Clapp. 1,739,578; Dec. 17.
 Shredder, Stubble. G. E. Chase. 1,740,069; Dec. 17.
 Shuttle eye. M. Th. Kazamias. 1,740,023; Dec. 17.
 Shuttle for looms, Automatically threading. E. B. Tiff. 1,739,904; Dec. 17.
 Sidewalk, roadway, and the like. J. W. Robinson. 1,740,119; Dec. 17.
 Sign. L. H. Hyatt. 1,739,592; Dec. 17.
 Sign, Advertising. G. Hyman. 1,739,837; Dec. 17.
 Sign-control mechanism, Electric. L. B. Garber. 1,740,295; Dec. 17.
 Sign, Electric. J. Cantó. 1,739,577; Dec. 17.
 Sign, Luminous. A. de Francia. 1,740,228; Dec. 17.
 Signs to glass, Applying. H. Beinroth. 1,739,819; Dec. 17.
 Signal: See—
 Reflecting signal.
 Railway signal.
 Signal system and switch, Mine-hoist. M. W. Russey. 1,739,613; Dec. 17.
 Signalling system. W. P. Fowler. 1,739,833; Dec. 17.
 Silo attachment. E. M. sr. W. S. S. and E. M. jr. Kutz. 1,740,250; Dec. 17.
 Siren, Electric. L. H. Miles. 1,739,727; Dec. 17.
 Skid prevention for automobiles. F. Dodge. 1,739,713; Dec. 17.
 Slack adjuster. W. H. Sauvage. 1,739,694; Dec. 17.
 Sleeves of garments, Constructing the. V. Maronna. 1,739,797; Dec. 17.
 Slicing machine for slicing meat or the like. C. E. M. Van Berkel. 1,739,697; Dec. 17.
 Slicking machine. W. C. Wright. 1,740,434; Dec. 17.
 Smoker's pipes, Device for breaking in. L. E. Churchill. 1,740,334; Dec. 17.
 Sock, Woman's. F. L. Le Veque. Des. 80,128-30; Dec. 17.
 Socket and protector, Handle. J. H. Wilson. 1,739,700; Dec. 17.
 Socket, Electron-tube. W. M. Brower. 1,739,748; Dec. 17.
 Sound, Device for the reproduction of. C. H. Duffy. 1,740,161; Dec. 17.
 Sound-recording apparatus. E. W. Kellogg. 1,740,406; Dec. 17.
 Sound reproducer. H. Scharf. Re17,533; Dec. 17.
 Spectacle case. S. H. Winston. 1,740,184; Dec. 17.
 Speed mechanism, Variable. J. A. Lindholm. 1,739,554; Dec. 17.
 Speed unit, Electric low-. O. Cullman. 1,739,826; Dec. 17.
 Spindle drilling machine, Multiple-. J. L. Bernard and J. L. Skeehan. 1,740,149; Dec. 17.
 Spiral pipe, Making welded. A. J. Hand. 1,739,757; Dec. 17.
 Split reduction device. J. C. McCune. 1,739,602; Dec. 17.
 Spool. H. H. Wermine. 1,739,881; Dec. 17.
 Spool-cleaning machine. A. G. Baker. 1,739,775; Dec. 17.
 Spray-controlling device for road-scavenging machines. P. L'Orange. 1,740,361; Dec. 17.
 Spray gun. J. C. Hull. 1,740,241; Dec. 17.
 Squeezer, Lemon-slice. P. Glamzo. 1,740,170; Dec. 17.
 Stairway, Moving. M. C. Schwab. 1,740,121; Dec. 17.
 Stamping device. O. C. Correll. 1,740,285; Dec. 17.
 Stamping process for making sheet-metal articles. P. Schwarz. 1,739,524; Dec. 17.
 Stand: See—
 Switch stand.
 Testing stand.
 Stapling device. M. Vogel. 1,740,322; Dec. 17.
 Starter, Automatic motor. H. W. Cheney. 1,740,070; Dec. 17.
 Steam board. H. Betke. 1,739,571; Dec. 17.
 359 O. G.—500

Steam boiler. C. T. Carlson. 1,739,502; Dec. 17.
 Steam boiler. D. S. Jacobus. 1,739,760; Dec. 17.
 Steam generator. J. T. Cullen, Jr. 1,740,337; Dec. 17.
 Steam to internal-combustion engines, Apparatus for supplying. P. M. Cabell. 1,739,749; Dec. 17.
 Steel insert for store counters. W. N. Vance. 1,739,809; Dec. 17.
 Steering-gear attachment. R. E. Flathers. 1,739,832; Dec. 17.
 Steering means. C. S. Padgett. 1,739,856; Dec. 17.
 Steering wheel. C. W. Beck. 1,740,387; Dec. 17.
 Stiffener for soft collars. J. Sarandese. 1,740,270; Dec. 17.
 Stone, Manufacturing artificial. G. E. Kendall. 1,739,677; Dec. 17.
 Store front. S. B. Cassidy. Des. 80,107; Dec. 17.
 Store-front construction. C. F. Cameron. 1,740,224; Dec. 17.
 Store front or the like. C. Brandman. Des. 80,105; Dec. 17.
 Stove flue attachment, Gas-. P. J. Hentschel. 1,739,968; Dec. 17.
 Stroppler, Razor. R. H. Ingersoll. 1,740,349; Dec. 17.
 Stroppler, Razor-blade. R. H. Ingersoll. 1,740,243; Dec. 17.
 Structural unit. D. H. Bitner. 1,739,573; Dec. 17.
 Structure for car doors, Weatherproofing. C. E. Ekland and K. J. Tobin. 1,739,759; Dec. 17.
 Structures of reinforced concrete, Device for working out calculations in connection with. W. Sabatini. 1,739,523; Dec. 17.
 Submarine vessel. J. Peppin. 1,740,263; Dec. 17.
 Submarines, Rapid-salvage system for. E. Ellisberg. 1,740,231; Dec. 17.
 Subsoiler and aerator. S. M. McEwen. 1,739,765; Dec. 17.
 Support, Brake-hanger. F. Schaefer. 1,739,990; Dec. 17.
 Support, Chin. A. Galbraith. 1,740,340; Dec. 17.
 Support for milking pails. S. Hohulin. 1,739,674; Dec. 17.
 Support for resistances. W. Dublier. 1,740,160; Dec. 17.
 Support, Golf-bag. R. E. Wink. 1,739,702; Dec. 17.
 Support, Plant. J. Dal Maso. 1,740,364; Dec. 17.
 Support, Propeller-shaft. O. Mader. 1,740,362; Dec. 17.
 Supporter, Garment. F. Levy. 1,740,026; Dec. 17.
 Switch: See—
 Electric switch.
 Protector switch.
 Electrical switch.
 Switch. J. H. Hobson. 1,739,673; Dec. 17.
 Switch device, Annunciating. J. E. Lewis. 1,740,107; Dec. 17.
 Switch stand. L. R. Shaffer. 1,739,869; Dec. 17.
 Switch-stand lock. L. R. Shaffer. 1,739,868; Dec. 17.
 Switch structure, Treadle. P. R. Forman. 1,739,961; Dec. 17.
 Table: See—
 Ironing table.
 Table. H. O. Girard. Des. 80,118; Dec. 17.
 Tank: See—
 Cleaning tank.
 Tanks, Attachment for. J. R. Middleton. 1,739,852; Dec. 17.
 Tanks, Method and apparatus for constructing cylindrical. C. C. Pinckney. 1,740,033; Dec. 17.
 Teakettle. P. H. Ferrier, Jr. 1,739,894; Dec. 17.
 Teapot. H. H. Schott. Des. 80,146; Dec. 17.
 Telephone. J. T. F. Conti. 1,739,889; Dec. 17.
 Telephone mouthpiece, Sanitary individual. A. W. Cross. 1,739,950; Dec. 17.
 Telephone, Portable. R. S. Cooper. 1,739,503; Dec. 17.
 Telephone system. T. F. Crocker and H. R. Parshall. 1,740,073; Dec. 17.
 Telephone system, Automatic. E. Jacobsen. Re17,526; Dec. 17.
 Temperature-control apparatus. C. Willbjelm. 1,739,882; Dec. 17.
 Temperature-control apparatus, Automatic. G. H. Johanson. 1,739,903; Dec. 17.
 Terminal connection for electric apparatus. E. G. Newton. 1,740,307; Dec. 17.
 Terrestrial globe. T. Kamel and F. Kuwata. 1,740,022; Dec. 17.
 Testing device. J. H. Pengilly and V. Brown. 1,739,913; Dec. 17.
 Testing stand. C. H. Fennell. 1,740,167; Dec. 17.
 Textile fabric. W. Brewer. Des. 80,106; Dec. 17.
 Textile fabric or similar article, Appliqué. M. Goldberg. Des. 80,119; Dec. 17.
 Therapeutic device. E. Wolters. 1,739,625; Dec. 17.
 Thread clearer. S. Hyslop. 1,740,242; Dec. 17.
 Thermometer case. C. S. J. Russell. 1,739,693; Dec. 17.
 Thermometer case, Pocket. O. Greenwald. 1,739,669; Dec. 17.
 Time-control mechanism for electric stoves. C. C. Armstrong. 1,739,937; Dec. 17.
 Tin-plate-cleaning machine. C. L. Ingelfield and H. H. Giles. 1,739,593; Dec. 17.
 Toaster. L. F. Fisher. 1,739,831; Dec. 17.
 Tobacco, Pressing and packing manufactured. H. P. Taylor. 1,740,126; Dec. 17.
 Toilet bowl, Ventilated. C. J. Kaiser. 1,740,246; Dec. 17.
 Tongs provided with beatable irons, Curling. L. Spitzstein. 1,740,207; Dec. 17.
 Tool box. E. F. Hardt. 1,739,793; Dec. 17.
 Tool, Compound. C. March. Re17,532; Dec. 17.

Tool, Cylindrical milling. W. F. Emerson. 1,739,956; Dec. 17.
 Tool for applying and removing anchoring devices. A. Dinklage. 1,740,158; Dec. 17.
 Tool, Machine. M. I. Mathewson. 1,739,764; Dec. 17.
 Tool, Rlm. H. C. Kogelschatz. 1,740,099; Dec. 17.
 Tool, Wire-stretching. J. O. Smith. 1,739,858; Dec. 17.
 Tools and the like, Determining the wear of diamond-pointed. F. E. and C. J. Koebel. 1,739,553; Dec. 17.
 Tools of tungsten, Manufacture of. O. Menner. 1,740,009; Dec. 17.
 Tower arm. C. M. Goodrich. 1,740,398; Dec. 17.
 Toy figure, Running. E. Schliederer. 1,739,614; Dec. 17.
 Toy, Mechanical wheeled. J. J. Sapora. 1,740,269; Dec. 17.
 Toy, Musical. K. Behn. 1,739,569; Dec. 17.
 Toy or game, Gravity. L. S. Gunderman. 1,739,719; Dec. 17.
 Track construction, Monorail. P. S. Combs, jr. 1,740,417; Dec. 17.
 Traffic line and joint machine and producing same. J. N. Heltzel. 1,740,345; Dec. 17.
 Traffic signal. E. W. Weathers. Des. 80,154; Dec. 17.
 Trailer, Vehicle. J. B. Fisher. 1,739,716; Dec. 17.
 Train-order hoop. S. Smith. 1,740,206; Dec. 17.
 Transformer. S. Horelick. 1,740,093; Dec. 17.
 Transmission apparatus. L. F. Meunier. 1,739,980; Dec. 17.
 Transmission mechanism and brake. G. C. Carhart. 1,739,946; Dec. 17.
 Transmission, Planetary. E. L. Engelhardt. 1,740,010; Dec. 17.
 Transmission system. C. W. Green. 1,739,668; Dec. 17.
 Trap; See—
 Animal trap.
 Trap, J. O. Bewan. 1,739,493; Dec. 17.
 Trap, Filling. J. E. Blaine. 1,740,424; Dec. 17.
 Tread. G. E. Whitlock. 1,739,907; Dec. 17.
 Trousers. J. Hersher. Des. 80,120; Dec. 17.
 Truck. G. J. Kalberer. 1,740,404; Dec. 17.
 Truck for railroad vehicles. J. G. Blunt. 1,740,150; Dec. 17.
 Truck, Hand lift-platform. J. R. Wyllie. 1,739,999; Dec. 17.
 Truck, Industrial. W. C. Carr. 1,739,708; Dec. 17.
 Truck, Monorail car. P. S. Combs, jr. 1,740,416; Dec. 17.
 Truck, Platform. H. T. Halliwell. 1,739,589; Dec. 17.
 Truck, Railway. D. S. Barrows. 1,740,059; Dec. 17.
 Truck, Railway. D. S. Barrows. 1,740,143; Dec. 17.
 Trunk and luggage carrier, Combination. R. M. Cormican. Rel7,529; Dec. 17.
 Trunk, Wardrobe. J. Rauchbach. 1,739,735; Dec. 17.
 Truss for shoes. A. E. Block. 1,739,541; Dec. 17.
 Tube; See—
 Collapsible tube.
 Vacuum tube.
 Tube-cutting machine. G. W. Mudd. 1,740,430; Dec. 17.
 Tubular shafts for golf clubs and the like, Apparatus for and method of making. H. G. Barrett. 1,740,144; Dec. 17.
 Tuning, of high-frequency circuits. W. L. Carlson. 1,740,331; Dec. 17.
 Tuning radioreceivers. W. P. Heath. Rel7,531; Dec. 17.
 Turbine, Elastic-fluid. O. Rosenlicher. 1,740,372; Dec. 17.
 Turbine, Elastic-fluid. R. G. Standerwick. 1,740,379; Dec. 17.
 Turbine, Hydraulic. W. J. Rheingans. 1,740,036; Dec. 17.
 Turpentine, pine oil, and rosin from resinous woods, Extracting. R. C. Palmer. 1,740,115; Dec. 17.
 Typewriting machine. J. Muggill. 1,739,729; Dec. 17.
 Typewriting machine. J. A. B. Smith. 1,739,739; Dec. 17.
 Typewriting machine. J. Waldheim. 1,740,051; Dec. 17.
 Upholstery installation and fastener elements for use therewith. R. F. Walters. 1,740,431; Dec. 17.
 Upper and constructing same. E. S. Bott and A. S. Funk. 1,739,821; Dec. 17.
 Utensil, Cooking. J. Faruglia. 1,739,546; Dec. 17.
 Utensil, Kitchen. W. and W. F. Hodges. 1,740,302; Dec. 17.
 Vacuum tube. R. W. Lohman. 1,739,513; Dec. 17.
 Vacuum tube. G. H. Perryman. 1,740,264; Dec. 17.
 Valve. F. Schmidt. 1,740,041; Dec. 17.
 Valve bag and making same. L. H. Hartman. 1,739,758; Dec. 17.
 Valve block for fluid-pressure tools. E. W. Stevens. 1,739,927; Dec. 17.
 Valve, Compressor. J. C. McCune. 1,739,603; Dec. 17.
 Valve, Diaphragm. J. P. Crowley. 1,740,004; Dec. 17.
 Valve for oil-pumping equipment, Gas vent. C. W. Reese. 1,739,770; Dec. 17.
 Valve for tank cars and the like. G. Stancu, jr. 1,740,319; Dec. 17.

Valve mechanism. F. C. Marshall. 1,740,108; Dec. 17.
 Valve mechanism, Control. W. Wishart. 1,740,135; Dec. 17.
 Valve, Radiator. C. H. Jockmus. 1,739,721; Dec. 17.
 Valve, Relief. A. Friedman. 1,740,420-1; Dec. 17.
 Valve, Relief. W. J. Snow. 1,740,422; Dec. 17.
 Valve, Sprinkler. A. C. Hooper and J. W. McPhee. 1,740,015; Dec. 17.
 Valve, Tire. H. Hastings. 1,740,173; Dec. 17.
 Valve transmitter, Light. C. F. Jenkins. 1,740,352; Dec. 17.
 Valve unit for steam traps. C. H. Jockmus. 1,739,638; Dec. 17.
 Valveless motor. L. V. Fogas. 1,740,235; Dec. 17.
 Vaporizer. G. A. Eynon. 1,740,339; Dec. 17.
 Variations of pressure, Apparatus for producing. W. A. Loth. 1,739,600; Dec. 17.
 Vegetable materials, Treatment of fibrous. O. D. Lucas. 1,739,683; Dec. 17.
 Vehicle-buffer device. G. A. Lyon. 1,739,849; Dec. 17.
 Vehicle construction. J. A. Wright. 1,739,535; Dec. 17.
 Vehicle jack. P. Roberts. 1,740,268; Dec. 17.
 Vehicle propeller for endless conveyors. A. F. Hawkins. 1,740,014; Dec. 17.
 Vehicle spring and snubber, Combination. S. B. Rayzor. 1,739,917; Dec. 17.
 Vehicle wheel. J. H. Wagenhorst. 1,739,878; Dec. 17.
 Vending machine. L. H. Morin. 1,739,982; Dec. 17.
 Vending machine. A. R. Visitation. 1,739,810; Dec. 17.
 Ventilating system, Car. J. W. Bernbaum and W. Wright. 1,739,777; Dec. 17.
 Vulcanizer. W. M. Post. 1,740,034; Dec. 17.
 Vulcanizer. H. C. Bostwick. 1,740,005; Dec. 17.
 Wall. E. Berliner. 1,740,147-8; Dec. 17.
 Washer; See—
 Lock washer.
 Print washer.
 Washing apparatus, Detachable. E. B. Jones. 1,740,097; Dec. 17.
 Washing apparatus, Hydraulic-casting. W. Watson. 1,740,052; Dec. 17.
 Washing machine. J. E. Rempe. 1,740,437; Dec. 17.
 Waste material, Treating. A. G. Stillwell. 1,740,270; Dec. 17.
 Watchcase. A. P. Conant. Des. 180,116; Dec. 17.
 Watch construction. J. B. Kissinger. 1,740,427; Dec. 17.
 Watch, Novelty. J. B. Kissinger. 1,740,426; Dec. 17.
 Water-closets, Arrangement in. J. W. Henrekson. 1,740,346; Dec. 17.
 Water, Method of and apparatus for the continuous softening of. C. H. Nordell. 1,740,199; Dec. 17.
 Wave signalling system. L. A. Hazeltine. Rel7,530; Dec. 17.
 Wax, Manufacture of high-melting-point. F. W. Sullivan, jr. 1,740,125; Dec. 17.
 Waxing and polishing machine, Floor. J. Sassano. 1,739,653; Dec. 17.
 Waxing machine. G. H. Nelson and A. R. Thatcher. 1,739,983; Dec. 17.
 Weather-map pen box. C. F. Jenkins. 1,740,353; Dec. 17.
 Web-joining apparatus. J. T. Peto. 1,739,610; Dec. 17.
 Wedge retainer, Dust-guard. L. H. Stomps. 1,739,807; Dec. 17.
 Welded joint. W. G. Wehr. 1,740,053; Dec. 17.
 Welding apparatus. W. H. Pierson. 1,739,691; Dec. 17.
 Welding apparatus. C. C. Pinckney. 1,740,117; Dec. 17.
 Welding apparatus. J. C. White. 1,740,133; Dec. 17.
 Welding, Electric arc. J. M. Weed. 1,740,381; Dec. 17.
 Wheel; See—
 Steering wheel.
 Wind and water wheel.
 Vehicle wheel.
 Wheel manufacture, Metal. E. H. Arnold. 1,739,495; Dec. 17.
 Width maintainer. E. T. Ferngren. 1,739,959; Dec. 17.
 Wind and water wheel. F. Schuh. 1,739,866; Dec. 17.
 Winding machine. C. W. Valentine. 1,739,931; Dec. 17.
 Window and coal hopper, Combined. F. Mesker. 1,739,514; Dec. 17.
 Window frame. S. L. Brown. 1,739,575; Dec. 17.
 Window glass. W. W. Wood. 1,740,278; Dec. 17.
 Windshield cleaner. M. Garbell. 1,739,806; Dec. 17.
 Windshield-regulator mechanism. W. Marshall and C. W. Behnke. 1,739,726; Dec. 17.
 Windshields, Antifrost device for. H. H. Montgomery. 1,740,193; Dec. 17.
 Wiper for metal-coating machines. W. A. Painter. 1,740,114; Dec. 17.
 Wiper, Windshield. J. T. Sparling. 1,739,806; Dec. 17.
 Wireworking machine. O. F. Rohwedder. 1,740,038; Dec. 17.
 Work-holding clamp. C. L. Gustafson. 1,740,238; Dec. 17.
 Wrapping machine. A. M. English. 1,739,633; Dec. 17.
 Wrench. G. E. Eckland. 1,739,715; Dec. 17.
 Wrench. H. Watts. 1,739,880; Dec. 17.

CLASSIFICATION OF PATENTS

ISSUE OF DECEMBER 17, 1929

NOTE—First number=class, second number=subclass, third number=patent number.

1— 3: 1,740,322	24— 206: 1,739,500	49— 55: 1,739,519	74— 59: 1,739,980	95— 93: 1,739,742	121— 14: 1,739,707
49.4: 1,740,180	216: 1,740,266	51: 1,739,873	81: 1,740,363	97— 40: 1,740,321	19: 1,740,122
2— 2: 1,740,171	238: 1,739,848	77: 1,739,825	98: 1,739,764	172: 1,739,508	132: 1,740,341
79: 1,740,272	103: 1,739,981	81: 1,740,397	106: 1,739,931	212: 1,740,069	194: 1,739,644
98: 1,739,797	156: R. 17,523	82.1: 1,739,743	108: 1,740,419	212: 1,740,069	16: 1,740,068
114: 1,740,028	67: 1,739,963	23: 1,739,543	106: 1,740,056	99: 1,740,198	36: 1,740,254
132: 1,740,270	23: 1,740,344	73: 1,739,926	108: 1,739,605	90— 6: 1,739,899	37: 1,740,239
162: 1,740,218	25: 1,740,340	51— 76: 1,740,247	109: 1,739,705	8: 1,740,176	77: 1,740,337
193: 1,740,234	28— 19: 1,739,775	102: 1,739,660	109: 1,739,792	41: 1,740,170	225: 1,740,363
224: R. 17,525	20: 1,740,127	105: 1,739,753	109: 1,739,537	3: 1,740,399	234: 1,739,767
228: 1,739,687	1740,128	109: 1,739,925	109: 1,739,841	118: 1,740,196	265: 1,739,760
237: 1,740,026	64: 1,740,242	112: 1,739,738	17— 17: 1,740,037	217: 1,739,963	302: 1,739,502
3— 12: 1,740,230	84: 1,740,177	184.1: 1,739,956	65: 1,739,992	394: 1,740,382	379: 1,740,300
4— 3: 1,739,621	103: 1,739,667	218: 1,740,243	415.1: 1,739,585	400: 1,740,058	123— 25: 1,739,570
13: 1,740,346	160.5: 1,740,009	1740,243	102— 38: 1,739,921	102— 38: 1,739,921	66: 1,740,040
72: 1,740,246	160.6: 1,740,369	240: 1,740,006	103— 1: 1,740,100	103— 1: 1,740,100	74: 1,740,235
177: 1,740,303	174: 1,739,465	278: 1,740,005	77— 24: 1,740,149	10: 1,740,106	119: 1,739,859
194: 1,740,156	20: 1,740,257	53— 1: 1,740,205	79— 4: 1,739,824	53: 1,740,003	74: 1,740,259
5— 188: 1,739,805	55: 1,739,674	3: 1,739,700	80— 16: 1,739,854	129: 1,739,661	122: 1,740,339
226: 1,739,985	4: 1,739,527	740,136	43: 1,740,366	153: 1,739,838	139: 1,739,747
8— 5: 1,739,879	33— 71: 1,740,255	5: 1,739,831	58: 1,739,939	203: 1,739,770	173: 1,739,918
8: 1,740,271	94: 1,740,072	7: 1,739,546	81— 3: 1,740,158	232: 1,740,039	149: 1,739,555
20: 1,739,965	165: 1,740,390	8: 1,740,042	9.5: 1,739,972	1,740,101	187.5: 1,739,728
1739,966	201: 1,739,553	9: 1,739,894	165: 1,739,715	1,740,102	272: 1,739,808
9— 21.0: 1,740,290	11: 1,739,505	55— 10: 1,740,286	174: 1,739,880	1,740,104	299: 1,739,968
10— 50: 1,739,745	12: 1,740,075	56— 35: 1,740,274	195: 1,739,932	1,740,105	351: 1,739,595
104: 1,739,646	17: 1,739,567	122: 1,739,558	82— 11: 1,740,425	233: 1,740,103	360: 1,739,695
155: 1,739,712	26: 1,739,923	56— 24: 1,740,330	83— 9: 1,739,855	240: 1,739,511	167: 1,739,989
12— 54: 1,740,407	48: 1,740,261	88: 1,740,426	11: 1,740,194	172: 1,740,014	198: 1,740,083
55: 1,740,414	35— 5: 1,739,861	1,740,427	14: 1,739,574	4: 1,740,358	252: 1,739,910
1,740,409	12: 1,739,794	59— 79: 1,739,659	73: 1,740,324	156: 1,740,415	258: 1,739,625
1,740,410	15: 1,740,389	84: 1,739,722	94: 1,739,761	175: 1,740,357	347: 1,740,174
1,740,411	16: 1,739,968	87: 1,739,814	84— 11: 1,739,799	187: 1,740,143	1: 1,739,547
1,740,412	6: 1,739,821	87: 1,739,680	82— 17: 1,739,914	188: 1,740,150	10: 1,739,545
1,740,413	71: 1,739,538	62— 8: 1,739,639	230: 1,740,017	197: 1,740,059	131— 11: 1,740,126
128.4: 1,740,157	70: 1,739,540	119.5: 1,739,544	345: 1,740,155	205: 1,740,338	59: 1,740,334
133: 1,740,220	70: 1,739,539	159: 1,739,978	357: 1,739,791	341: 1,739,714	132— 32: 1,740,207
142: 1,739,612	94: 1,739,888	1739,979	398: 1,740,013	366: 1,740,000	33: 1,740,313
14: 1,739,593	143: 1,740,396	178: 1,739,750	407: 1,740,355	368: 1,739,829	36: 1,740,169
41: 1,739,521	19.5: 1,740,048	179: 1,740,281	55— 7: 1,740,284	1739,893	36.1: 1,740,164
49: 1,739,653	22: 1,739,971	63— 29: 1,740,060	87— 5: 1,739,744	106— 23: 1,739,566	1,740,292
108: 1,740,043	28: 1,740,071	1739,686	9: 1,739,631	31: 1,739,632	83: 1,739,890
120: 1,739,704	63: 1,739,850	17: 1,740,067	12: 1,740,012	107— 7: 1,739,504	111: 1,739,784
129: 1,739,872	72: 1,740,118	30: 1,739,756	19: 1,739,796	7: 1,739,504	18: 1,739,731
155: 1,740,001	77: 1,739,592	106: 1,739,947	88— 1: 1,739,733	19: 1,739,796	21: 1,740,319
253: 1,739,806	129: 1,739,577	130: 1,739,709	23: 1,739,650	15: 1,740,040	53: 1,740,420
254: 1,739,896	130: 1,739,709	131: 1,740,054	24: 1,739,607	15: 1,740,040	9: 1,740,421
107: 1,739,557	131: 1,740,054	68— 9: 1,739,571	68— 9: 1,739,571	21: 1,740,111	76: R. 17,528
18— 2: 1,740,034	132: 1,739,882	10: 1,740,045	10: 1,740,183	108— 10: 1,740,217	78: 1,739,787
3: 1,739,906	133: 1,740,228	57: 1,739,512	57: 1,739,512	148: 1,739,944	139: 1,740,135
10: 1,740,144	152: 1,740,203	69— 8: 1,740,388	60: 1,740,278	28: 1,739,594	44: 1,739,737
14: 1,740,029	22: 1,739,619	70— 46: 1,739,629	46: 1,739,629	93: 1,739,907	116: 1,740,200
17: 1,740,065	41.5: 1,740,061	53: 1,740,210	90: 1,740,066	98: 1,739,969	217: 1,739,994
30: 1,740,062	42: 1,740,376	91: 1,739,510	91— 7: 1,739,642	111— 7: 1,739,765	1,740,023
48.8: 1,739,677	17: 1,740,187	128: 1,739,868	12.5: 1,740,081	112— 248: 1,740,380	385.5: 1,739,912
50: 1,740,079	91: 1,739,933	13: 1,739,732	39: 1,739,983	262: 1,740,209	140— 105: 1,740,038
54: 1,740,227	28: 1,739,590	16: 1,739,664	51: 1,739,499	59: 1,739,506	107: 1,740,050
57: 1,740,226	45: 1,740,273	1739,665	59: 1,739,492	112: 1,739,757	119: 1,740,362
30: 1,739,611	46: 1,740,335	1739,666	59.4: 1,740,114	118: 1,740,008	143— 27: 1,740,085
80: 1,740,289	67: 1,740,333	17: 1,740,147	68: 1,739,578	120: 1,740,196	43: 1,740,074
96: 1,740,439	71: 1,739,493	44: 1,740,145	70: 1,739,597	114— 16: 1,740,263	144— 38: 1,740,244
4: 1,739,830	44: 1,740,089	44: 1,740,145	3: 1,740,132	16.4: 1,739,815	51: R. 17,524
26: 1,739,789	45— 24: 1,740,142	68: 1,739,977	5: 1,739,645	53: 1,740,231	1,739,516
11: 1,740,124	60: 1,739,643	71: 1,739,883	9: 1,739,683	115— 15: 1,739,884	208: 1,739,564
56.4: 1,740,224	138: 1,739,943	91: 1,740,258	10: 1,739,491	26: 1,740,002	303: 1,740,238
10: 1,739,663	— 1,740,431	98: 1,739,694	2	1740,216	145— 127: 1,740,065
146: 1,739,799	138: 1,739,943	98: 1,739,694	21: 1,739,580	34: 1,739,556	29: 1,739,995
188: 1,739,542	— 1,740,431	106: 1,740,110	1740,280	109: 1,739,711	102: 1,739,697
23— 97: 1,740,312	46— 37: 1,739,719	115: 1,739,754	54: 1,739,766	114: 1,740,130	204: 1,739,517
178: 1,740,342	40: 1,740,172	122: 1,739,573	71: 1,739,572	115: 1,740,135	140— 17: 1,740,434
199: 1,739,957	45: 1,739,614	73— 51: 1,740,167	35: 1,739,633	173: 1,739,915	150— 1.5: 1,739,702
288: 1,740,139	46: 1,739,569	74— 71: 1,739,826	36: 1,739,619	119— 21: 1,740,277	33: 1,739,780
24— 17: 1,740,262	47— 34: 1,740,269	74— 71: 1,739,826	38: 1,739,619	32: 1,740,402	43: 1,740,085
31: 1,740,181	39: 1,740,364	74— 71: 1,739,826	38: 1,739,619	42: 1,740,433	43: 1,740,074
71: 1,739,688	46— 52: 1,739,951	74— 71: 1,739,826	38: 1,739,619	45: 1,740,323	57: 1,740,066
1740,432	53.3: 1,740,208	74— 71: 1,739,826	38: 1,739,619	108: 1,740,196	38: 1,740,244
77: 1,739,975	53.3: 1,740,208	74— 71: 1,739,826	38: 1,739,619	16.4: 1,739,815	51: R. 17,524
84: 1,740,175	53.3: 1,740,208	74— 71: 1,739,826	38: 1,739,619	53: 1,740,231	1,739,516
150: 1,739,987	9: 1,740,236	74— 71: 1,739,826	38: 1,739,619	115— 15: 1,739,884	208: 1,739,564
180: 1,740,047	17: 1,739,936	74— 71: 1,739,826	38: 1,739,619	26: 1,740,002	303: 1,740,238
183: 1,739,618	17: 1,739,936	74— 71: 1,739,826	38: 1,739,619	1740,216	145— 127: 1,740,065
201: 1,739,676	17: 1,739,936	74— 71: 1,739,826	38: 1,739,619	34: 1,739,556	29: 1,739,995

154—	1: 1,739,670	178—	5: 1,739,949	198—	226: 1,739,836	220—	60: 1,739,759	247—	27: 1,739,963	265—	2: 1,739,724
	9: 1,740,245		1,740,354	199—	26: 1,740,435		63: 1,739,843	248—	41: 1,739,588		58: 1,740,320
	41: 1,739,762		6: 1,740,352	200—	7: 1,740,225		86: 1,739,525		65: 1,739,909	266—	5: 1,739,958
	42: 1,740,215		44: 1,739,494		26: 1,740,295		1,739,852	249—	59: 1,739,862		6: 1,740,347
155—	45.5: 1,739,530		1,739,531		38: 1,739,937	221—	60: 1,739,871	250—	2: 1,739,520	267—	8: 1,740,429
	14: 1,739,741		1,739,532		68: 1,739,788		1,739,922		11: 1,739,941		20: 1,739,917
	50: 1,740,090		1,739,606		82: 1,739,874		1,740,287		1,740,370		69: 1,739,974
	140: 1,739,552		1,739,608		85: 1,739,961		64: 1,739,678		1,740,371		37: 1,740,020
	162: 1,740,214	179—	1: 1,740,161		86: 1,740,107		67: 1,740,306		16: 1,740,160	268—	37: 1,740,020
	165: 1,740,267		2.5: 1,739,773		91: 1,740,405		69: 1,740,186		17: 1,739,948		63: 1,740,350
156—	10: 1,740,213		27: R. 17,526		138: 1,739,673		100: 1,740,348		30: 1,740,331	272—	8: 1,739,865
	14: 1,739,811		1,740,073		144: 1,739,835		101: 1,739,870		27: 1,739,924		33: 1,739,725
	161: 1,739,518		29: 1,739,503		150: 1,740,307		20: 1,740,008		1,740,202		41: 1,739,945
	22: 1,739,551		81: 1,739,889		1,740,307		1,740,151		1,740,252		57: 1,739,795
	44: 1,740,190	100.1: 1,739,768		55: 1,739,942	201—	59: 1,740,294		1,740,232	27.5: 1,740,264	279—	71: 1,740,377
	1,740,400		1,740,406		59: 1,740,294		1,740,232		1,740,375	280—	23: 1,739,628
157—	1: 1,740,099	171: R. 17,530		17: 1,739,786	202—	54: 1,740,115		1,740,368	33: 1,739,785		31: 1,739,785
158—	7: 1,739,929		1,739,699		54: 1,740,115	225—	22: 1,740,384		36: 1,740,146		33.1: 1,739,406
	7.5: 1,739,973		1,740,283	204—	1: 1,739,772	226—	29: 1,740,418		40: R. 17,531		33.2: 1,739,999
	36.3: 1,740,204	184: 1,739,950		4: 1,740,291		80: 1,739,526		11: 1,740,041		33.4: 1,739,716	
	42.4: 1,740,062		1: 1,740,385		5: 1,739,657		86: 1,739,875		77: 1,740,004	33.15: 1,739,966	
	76: 1,740,296		57: 1,739,535		57: 1,740,165		94: 1,740,032		156: 1,739,864		46: 1,740,404
	77: 1,739,548		82: 1,739,648	206—	1: 1,739,801	227—	28: 1,740,317		160: 1,739,991		81: 1,739,708
	115: 1,739,851	181—	31: R. 17,533		5: 1,740,134	229—	17: 1,739,529	252—	2: 1,739,734		94: 1,739,589
	116: 1,739,515		1,739,615		16: 1,739,793		33: 1,739,778		1,740,351		114: 1,739,589
	117.5: 1,740,249	183—	120: 1,740,248		16.5: 1,739,669		1,739,853	253—	77: 1,740,372		169: 1,739,967
159—	47: 1,740,276	184—	7: 1,739,690		1,739,693		1,739,693		118: 1,740,066	281—	8: 1,739,651
164—	49: 1,740,251		104: 1,740,130		34: 1,739,822	230—	92: 1,739,600		136: 1,740,036	284—	18: 1,740,015
	61: 1,740,430		105: 1,740,297		44: 1,739,920		134: 1,739,604	254—	7: 1,740,299	286—	6: 1,739,807
	64: 1,739,681	188—	32: 1,739,827		1,740,326		228: 1,739,603		80: 1,739,658		11: 1,740,428
	116: 1,740,374		1,739,828		1,740,327		231: 1,740,108		93: 1,740,268		125: 1,739,706
166—	14: 1,739,802		97: 1,740,027		45: 1,739,623	232—	1: 1,739,900		102: R. 17,527	287—	7: 1,740,078
167—	22: 1,739,586		104: 1,739,906		52: 1,739,549	234—	1.5: 1,740,353		167: 1,740,168	290—	34: 1,739,713
	37: 1,739,840		106: 1,739,781		58: 1,739,560	235—	61: 1,739,523	255—	61: 1,739,846	291—	2: 1,739,685
169—	4: 1,740,007		1,739,782		73: 1,740,424	236—	56: 1,739,638		72: 1,739,928		57: 1,740,301
170—	79: 1,739,866		1,739,783	207—	1: 1,739,630		65: 1,739,721		75: 1,739,823		79: 1,740,329
	163: 1,740,077		201: 1,739,694		180: 1,740,138		70: 1,739,882		1,739,934		234: 1,739,948
	170: 1,740,095		207: 1,739,990		400: 1,739,701		76: 1,739,903	257—	8: 1,740,336		246: 1,739,940
171—	95: 1,740,188	189—	7: 1,739,897		24: 1,740,199	237—	79: 1,739,576		8: 1,740,302		337: 1,739,654
	119: 1,739,579		33: 1,740,398		37: 1,739,640	238—	69: 1,739,636		82: 1,740,302	293—	347: 1,740,182
	1,740,332		34: 1,739,622	211—	157: 1,739,559		142: 1,740,201		96: 1,740,064		55: 1,739,849
	252: 1,740,031		37: 1,740,053		31: 1,739,955		190: 1,740,417		129: 1,739,672	294—	2: R. 17,532
172—	312: 1,740,356		38: 1,739,632		34: 1,739,813		263: 1,740,359		131: 1,739,671		27: 1,740,211
	120: 1,739,885		55: 1,739,632		74: 1,739,896	240—	8.6: 1,740,314		224: 1,740,318		69: 1,740,116
	239: 1,739,562		77: 1,739,575		128: 1,739,730		9: 1,740,229		245: 1,740,145		86: 1,739,601
	240: 1,740,436		82: 1,740,219		135: 1,739,809		41: 1,739,800		3: 1,740,206	296—	44: 1,739,710
173—	81: 1,740,403	190—	13: 1,739,735	212—	142: 1,739,938		44: 1,740,007		20: 1,740,109		84: 1,739,726
	266: 1,740,076	191—	30: 1,739,591		144: 1,739,952		48.6: 1,739,626	258—	3: 1,740,166		105: 1,740,025
	1,740,343		70: 1,739,844	213—	34: 1,739,876		60: 1,739,916		72: 1,740,223	297—	8: 1,739,723
	303: 1,739,740	192—	4: 1,740,137	214—	11: 1,740,378		61: 1,739,641	259—	75: 1,739,587	298—	38: 1,739,746
	318: 1,739,637		13: 1,739,946		17: 1,740,290		62: 1,740,178		101: 1,740,437	299—	88: 1,740,373
	328: 1,739,748		17: 1,739,751		90: 1,739,624		100: 1,739,679		135: 1,739,635		108: 1,740,361
	353: 1,740,367		30: 1,740,328	215—	38: 1,739,581	242—	46.2: 1,740,309		144: 1,740,097		117: 1,740,241
	367: 1,740,035	193—	105: 1,740,265		1,739,659		58: 1,739,610	260—	8: 1,739,771		133: 1,740,316
74—	89: 1,740,240		34: 1,739,514		40: 1,739,602		84.4: 1,740,222		14: 1,739,820	301—	6: 1,739,878
	177: 1,739,509		1,739,534		51: 1,739,582		118: 1,740,253		31: 1,739,736		24: 1,739,877
175—	21: 1,739,752	194—	6: 1,739,858		51: 1,739,582		123: 1,739,881		33: 1,739,662	303—	18: 1,739,602
	41.5: 1,740,131		72: 1,739,596		1,739,703		149: 1,740,311		54: 1,739,919		39: 1,739,583
	1,740,159		88: 1,739,810		91: 1,739,905	244—	11: 1,740,021		101: 1,739,963		86: 1,739,584
	183: 1,739,913	195—	19: 1,740,163		12: 1,739,755		12: 1,739,680		114: 1,740,140	304—	5: 1,739,718
	356: 1,740,053	196—	4: 1,739,834		12: 1,739,906		1,739,967		135: 1,740,162		40: 1,739,904
176—	42: 1,740,391		1,740,275		4: 1,739,691		12: 1,739,798		138: 1,740,141	305—	10: 1,739,533
	49: 1,740,030		20: 1,740,125	218—	12: 1,739,967		15: 1,739,703	261—	12: 1,739,817	306—	72: 1,740,046
	124: 1,739,498	197—	126: 1,739,739	219—	8: 1,740,117		19: 1,739,984		14: 1,739,563		160: 1,740,084
	126: 1,739,513		1,740,051		13: 1,740,133		21: 1,740,044		44: 1,740,282		163: 1,740,197
	1,739,561		131: 1,739,729		38: 1,739,818		25: 1,740,088		113: 1,739,867		170: 1,739,603
177—	7: 1,739,727		133: 1,740,438		34: 1,739,649		29: 1,740,016		115: 1,739,857		240: 1,739,528
	326: 1,740,129	198—	9: 1,739,598		47: 1,739,617	246—	128: 1,739,833	263—	15: 1,740,288	312—	75: 1,739,970
	336: 1,739,613		16: 1,740,121		1: 1,740,394		293: 1,739,842	265—	2: 1,739,675		84: 1,739,982
	353: 1,739,935		131: 1,740,233		9: 1,740,237		413: 1,739,869				
	360: 1,740,123		208: 1,739,497		24: 1,740,152		448: 1,740,365				
	386: 1,739,901		207: 1,739,887		53: 1,739,911						

U. S. GOVERNMENT PRINTING OFFICE: 1929

Dec. 24, 1929
ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

- Albee Drug Company. (See Tiger Drug Co. Inc.)
- Alburtis, Susan S., Chevy Chase and St. Leonard, Md. Pamphlets, booklets, catalogs, and brochures. 265,271; Dec. 24; Serial No. 285,841; published Oct. 8, 1929. Class 38.
- Amalgamated Carburettors Limited, Birmingham, England. Carburetors, air cleaners, and handle-bar-control mechanism. 265,445; Dec. 24; Serial No. 271,790; published Oct. 15, 1929. Class 23.
- American Chemical & Engineering Co. (See Fritsch, Robert.)
- American Products Company, The, doing business as Dentex Laboratories, Cincinnati, Ohio. Dentifrice. 265,441; Dec. 24; Serial No. 275,143; published Dec. 25, 1928. Class 6.
- American Veterinary Medical Association, Detroit, Mich. Technical monthly publication. 265,347; Dec. 24; Serial No. 288,895; published Oct. 8, 1929. Class 38.
- Anderson & Writer Corp., New York, N. Y. Tam o' shanters and berets. 265,394; Dec. 24; Serial No. 284,558; published Oct. 8, 1929. Class 39.
- Appel, Harry, New York, N. Y. Women's coats. 265,260; Dec. 24; Serial No. 288,160; published Oct. 8, 1929. Class 39.
- Associated Press, The, New York, N. Y. Newspaper articles. 265,345; Dec. 24; Serial No. 288,774; published Oct. 8, 1929. Class 38.
- Auto-Oven, Inc., New York, N. Y. Cooking-stove-oven grid and tray operating appliances. 265,470; Dec. 24. Class 34.
- Aztec Paint Products Co., Los Angeles, Calif. Paint. 265,309; Dec. 24; Serial No. 286,413; published Oct. 15, 1929. Class 16.
- Baker & Company, Inc., Newark, N. J. Metal for swaged-base dentures. 265,429; Dec. 24; Serial No. 289,095; published Oct. 15, 1929. Class 44.
- Balanst Corporation, Springfield, Mass. Balancing thermostats. 265,318; Dec. 24; Serial No. 288,543; published Oct. 8, 1929. Class 26.
- Bamberger, L. & Co., Newark, N. J. Hand bags, hat-boxes, trunks, etc. 265,433; Dec. 24; Serial No. 288,890; published Oct. 15, 1929. Class 3.
- Bauer Brothers Company, The, Springfield, Ohio. Mills for making pulp. 265,464; Dec. 24. Class 23.
- Benson Paint & Varnish Co., Birmingham, Ala. Paints and paint enamels. 265,415; Dec. 24; Serial No. 288,059; published Oct. 8, 1929. Class 16.
- Benson Paint & Varnish Co., Birmingham, Ala. Paints. 265,416; Dec. 24; Serial No. 288,057; published Oct. 8, 1929. Class 16.
- Benson Paint & Varnish Co., Birmingham, Ala. Painter's size and wall sizing. 265,417; Dec. 24; Serial No. 288,056; published Oct. 8, 1929. Class 16.
- Benson Paint & Varnish Co., Birmingham, Ala. Paints, size and wall sizing. 265,417; Dec. 24; Serial No. 1929. Class 16.
- Berkshire Knitting Mills, Wyomissing, Pa. Stockings. 265,319; Dec. 24; Serial No. 288,545; published Oct. 15, 1929. Class 39.
- Bloomburg Silk Mill, Bloomburg, Pa., and New York, N. Y. Dress silks. 265,437; Dec. 24; Serial No. 264,555; published Nov. 6, 1928. Class 42.
- Boncina, Eugenio, doing business as Elio-Snap Company, New York, N. Y. Anodyne, rubefacient, etc. 265,316; Dec. 24; Serial No. 288,448; published Oct. 8, 1929. Class 6.
- Boston Publishing Company, Boston, Mass. Sections or columns of daily newspapers. 265,256; Dec. 24; Serial No. 287,448; published Oct. 8, 1929. Class 38.
- Bower, Charles L., Seattle, Wash. Leather shoes. 265,368; Dec. 24; Serial No. 287,790; published Oct. 8, 1929. Class 39.
- Brandywine Fibre Products Company, Wilmington, Del. Fibre tubing. 265,456; Dec. 24. Class 13.
- Bronston Bros. & Co., Inc., New York, N. Y. Hats. 265,363-4; Dec. 24; Serial Nos. 288,007-8; published Oct. 8, 1929. Class 39.
- Bronston Bros. & Co., Inc., New York, N. Y. Hats, caps, and berets. 265,365; Dec. 24; Serial No. 288,004; published Oct. 8, 1929. Class 39.
- Budlong, Edward J., doing business as Budlong & Funchess Motor Products Co., Hanford, Calif. Piston rings. 265,448; Dec. 24; Serial No. 269,940; published Oct. 8, 1929. Class 35.
- Canada Foundries & Forgings Limited, Brockville, Ontario, Canada. Hammers, axes, hatchets,

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Flying Review Publishing Company. (See Karlovee, Ralph C.)

Fritsch, Robert, doing business as American Chemical & Engineering Co., Hawthorne, N. J. Leak-stopping compounds, rust-removing compounds, soldering paste, etc. 265,331; Dec. 24; Serial No. 287,729; published Oct. 8, 1929. Class 6.

Gear Processing, Inc., Cleveland, Ohio. Gears, splines, and lapping and honing machines. 265,398; Dec. 24; Serial No. 282,234; published Oct. 15, 1929. Class 25.

General Apparel Corporation of America, New York, N. Y. Dresses. 265,323; Dec. 24; Serial No. 288,956; published Oct. 15, 1929. Class 39.

General Paint Corporation, San Francisco, Calif. Paints, varnishes, and paint enamels. 265,296; Dec. 24; Serial No. 287,610; published Oct. 8, 1929. Class 16.

Goldstein, Joseph, New York, N. Y. Men's and boys' caps. 265,342; Dec. 24; Serial No. 286,430; published Oct. 8, 1929. Class 39.

Goodman, Abraham, Cincinnati, Ohio. Cigar and cigarette lighter wicks and flints. 265,385; Dec. 24; Serial No. 281,661; published Sept. 24, 1929. Class 34.

Goodyear Chemical Company, Inc., New York, N. Y. Chemical compound. 265,343; Dec. 24; Serial No. 285,857; published Oct. 8, 1929. Class 6.

Gould, George R., New Haven, Conn. Series of cartoons. 265,293; Dec. 24; Serial No. 287,067; published Oct. 8, 1929. Class 38.

Grant, William E., doing business as Peace Medical Company, Lancaster, Pa. Medicine for indigestion. 265,333; Dec. 24; Serial No. 288,532; published Oct. 8, 1929. Class 6.

Great Western Stove Company, Leavenworth, Kans. Gas ranges. 265,468; Dec. 24. Class 34.

Gumpert, S., Co. Inc., Brooklyn, N. Y. Pies. 265,408; Dec. 24; Serial No. 283,610; published Oct. 8, 1929. Class 46.

H. D. Boh Company Inc., New York, N. Y. Shirts, blouses, and wind-breakers. 265,263; Dec. 24; Serial No. 288,514; published Oct. 15, 1929. Class 39.

Hartt Boot and Shoe Company Limited, The, Fredericton, New Brunswick, Canada. Boots and shoes. 265,373; Dec. 24; Serial No. 287,411; published Oct. 8, 1929. Class 39.

Hawkins, Woodie W., Fort Worth, Tex. Automobile washing apparatus. 265,399; Dec. 24; Serial No. 281,831; published Oct. 15, 1929. Class 23.

Higley Chemical Company, Dubuque, Iowa. Powdered chemical neutralizer. 265,340; Dec. 24; Serial No. 286,772; published Oct. 8, 1929. Class 6.

Hindes, Jacob, doing business as Jacob Hindes Company, New York, N. Y. Women's coats, frocks, skirts, dresses. 265,261; Dec. 24; Serial No. 288,189; published Oct. 15, 1929. Class 39.

Hood, Jessie M., New York, N. Y. Fountain pens. 265,295; Dec. 24; Serial No. 287,349; published Oct. 8, 1929. Class 37.

Hoover Open-Face Infant Sanitary Apron Company, Woodland, Calif. Infants' rubber aprons. 265,335; Dec. 24; Serial No. 286,725; published Oct. 8, 1929. Class 39.

Houston Printing Company, Houston, Tex. Heading for an annual section of a newspaper. 265,403; Dec. 24; Serial No. 283,871; published Oct. 8, 1929. Class 38.

Hisey, W. P., Jr., assignor to Sanders Chemical Co., Memphis, Tenn. Medical preparation. 265,466; Dec. 24. Class 6.

International Extract Co. (See Paul, Milton.)

Interstate Factories, Inc., Indianapolis, Ind. Playsuits. 265,389; Dec. 24; Serial No. 284,266; published Oct. 15, 1929. Class 39.

Kahn, E. M., & Company, Dallas, Tex. Men's and boys' clothing. 265,254; Dec. 24; Serial No. 286,371; published Oct. 8, 1929. Class 39.

Kalmbach-Burekett Co. Inc., Shreveport, La. Chicken scratch grains and pearl grits. 265,469; Dec. 24; Serial No. 283,568; published Oct. 8, 1929. Class 46.

Karlovee, Ralph C., doing business as Flying Review Publishing Company, Cleveland, Ohio. Publication. 265,350; Dec. 24; Serial No. 288,719; published Oct. 8, 1929. Class 38.

Kem Products Co. Inc., Newark, N. J. Adhesives. 265,366; Dec. 24; Serial No. 285,274; published Oct. 8, 1929. Class 5.

Kenter, John T., Incorporated, Newark, N. J. Hill folds. 265,424; Dec. 24; Serial No. 289,465; published Oct. 15, 1929. Class 3.

Kirchhof Patent Company, The. (See Dietze, Charles H., sr.)

Kline Brothers Co., New York, N. Y. Trousers, suits, overcoats, etc. 265,255; Dec. 24; Serial No. 286,572; published Oct. 8, 1929. Class 39.

Koretine Laboratories. (See Chadwick, Kermit V.)

Kotex Company, Chicago, Ill. Sanitary belts. 265,413; Dec. 24; Serial No. 280,260; published Oct. 15, 1929. Class 44.

Lawrence, David, Publications. (See United States Daily Publishing Corporation.)

Lawresco, Inc., New York, N. Y. Outer wearing apparel. 265,337; Dec. 24; Serial No. 287,534; published Oct. 8, 1929. Class 39.

Lebanon Shirt Company, Lebanon, Pa., and New York, N. Y. Shirts, pajamas, and underwear. 265,442; Dec. 24; Serial No. 273,771; published Feb. 5, 1929. Class 39.

Le Godals, Julien P., Toronto, Ontario, Canada, and Brooklyn, N. Y. Watches, watchcases, clock movements, and sundials. 265,401; Dec. 24; Serial No. 279,796; published Oct. 15, 1929. Class 27.

Lezah Laboratories, Jersey City, N. J. Scalp ointment, facial cream, skin lotion, etc. 265,383; Dec. 24; Serial No. 283,925; published Oct. 8, 1929. Class 6.

Lilienthal & Grossman, Inc., New York, N. Y. Fabric gloves. 265,461; Dec. 24. Class 39.

Lilley Company, The, Columbus, Ohio. Trunks, valises, wardrobe cases, etc. 265,410; Dec. 24; Serial No. 281,837; published May 28, 1929. Class 3.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned olives. 265,465; Dec. 24. Class 46.

Lindsay, Robert G., doing business as Bob Lindsay, Cleveland, Ohio. Comic strips. 265,278; Dec. 24; Serial No. 287,352; published Oct. 8, 1929. Class 38.

Lionel Trading Co. Inc., New York, N. Y. Periodical. 265,354; Dec. 24; Serial No. 288,200; published Oct. 8, 1929. Class 38.

Lloyd, W. H. S., Company, New York, N. Y. Liquid preparations. 265,305; Dec. 24; Serial No. 287,416; published Oct. 15, 1929. Class 16.

Lloyd, W. H. S., Company, New York, N. Y. Liquid preparations to preserve wall paper. 265,372; Dec. 24; Serial No. 287,417; published Oct. 8, 1929. Class 6.

Lockwood, Brackett Co., Boston, Mass. Powder. 265,329; Dec. 24; Serial No. 287,537; published Oct. 8, 1929. Class 6.

Long & Schuman Company, Waukegan, Ill. Aprons and dresses. 265,336; Dec. 24; Serial No. 287,484; published Oct. 15, 1929. Class 39.

Lowrie, James W., Chicago, Ill. Magazines. 265,349; Dec. 24; Serial No. 288,713; published Oct. 8, 1929. Class 38.

Malzo Wheat Company, Minneapolis, Minn. Cereal breakfast food. 265,422; Dec. 24; Serial No. 288,243; published Oct. 8, 1929. Class 46.

Manhattan-Kreole Products, Inc., New York, N. Y. Shoe dressing. 265,453; Dec. 24. Class 4.

Manko, L. H., & Company. (See Manko, Louis H.)

Manko, Louis H., doing business as L. H. Manko & Company and National Summer Clothing Company, Philadelphia, Pa. Suits, coats, vests, and trousers. 265,265; Dec. 24; Serial No. 285,031; published Oct. 15, 1929. Class 39.

Manning & Manning, Chicago, Ill. Cuff protectors. 265,393; Dec. 24; Serial No. 278,652; published Oct. 8, 1929. Class 39.

Martino, Michael B., Brooklyn, N. Y. Motion-picture screen. 265,469; Dec. 24. Class 26.

Mason, J. G., doing business as Prune Products Co., Swainsboro, Ga. Medicines. 265,387; Dec. 24; Serial No. 280,133; published Sept. 24, 1929. Class 6.

Maurice Binchet, Parfums de Luxe, Societe Anonyme, Suresnes, France. Perfumes, toilet waters, face powders, etc. 265,317; Dec. 24; Serial No. 288,464; published Oct. 8, 1929. Class 6.

McEverlast, Inc., Los Angeles, Calif. Coating preparation for concrete. 265,463; Dec. 24. Class 12.

Meadows, W. R., Inc., Elgin, Ill. Construction materials. 265,471; Dec. 24. Class 12.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Cathartic preparation. 265,310; Dec. 24; Serial No. 289,081; published Oct. 8, 1929. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for regulating the kidneys. 265,311; Dec. 24; Serial No. 289,082; published Oct. 8, 1929. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for relieving indigestion. 265,312; Dec. 24; Serial No. 289,083; published Oct. 8, 1929. Class 6.

Me-We. (See Stocks, Charles E.)

Miller Brothers, Houston, Tex. Pants, overalls, shirts, etc. 265,267; Dec. 24; Serial No. 286,188; published Oct. 8, 1929. Class 39.

Miller Products Company, Portland, Ore. Insecticidal preparation. 265,344; Dec. 24; Serial No. 285,526; published Oct. 8, 1929. Class 6.

Mission Hosiery Mills, Los Angeles, Calif. Stockings. 265,447; Dec. 24; Serial No. 270,675; published Sept. 25, 1928. Class 39.

Moore Drug Company, Inc., New Orleans, La. Medicine for chills, fever, and la grippe. 265,330; Dec. 24; Serial No. 287,670; published Sept. 24, 1929. Class 6.

Myers, Lewis E., & Company, Valparaiso, Ind. assignor to The Northern Trust Company and Harold H. Rockwell, trustees. Art slates. 265,282; Dec. 24; Serial No. 287,834; published Oct. 8, 1929. Class 37.

National Newspaper Service, Chicago, Ill. Adventure strip for newspapers. 265,462; Dec. 24. Class 38.

National Panama Hat Company, Inc., New York, N. Y. Hats. 265,341; Dec. 24; Serial No. 286,467; published Oct. 8, 1929. Class 39.

National Rug & Hammock Mills, Milwaukee, Wis. Cotton and woolen rugs. 265,439; Dec. 24; Serial No. 243,276; published Oct. 8, 1929. Class 42.

National Summer Clothing Company. (See Manko, Louis H.)

New England Mills Co., Chicago, Ill. Pneumatic tires and inner tubes. 265,446; Dec. 24; Serial No. 271,499; published Oct. 1, 1929. Class 35.

New Jersey Asbestos Company, The, New York, N. Y. Machine packing. 265,452; Dec. 24. Class 35.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Noe, Roy H., doing business as Roy H. Noe, Inc., Memphis, Tenn. Exercisers. 265,405; Dec. 24; Serial No. 284,940; published Oct. 8, 1929. Class 22.

Northern Rubber Company, The, Barberton and Akron, Ohio. Vehicle tires and inner tubes therefor. 265,264; Dec. 24; Serial No. 289,243; published Oct. 8, 1929. Class 35.

Northern Trust Company et al., trustees. (See Myers, Lewis E., & Company, assignor.)

Northland Milling Company, Minneapolis, Minn. Wheat flour. 265,300; Dec. 24; Serial No. 286,792; published Oct. 15, 1929. Class 46.

Nowak, Walter, doing business as Excellent Mfg. Co., Buffalo, N. Y. Preparation for treating corns and callouses. 265,332; Dec. 24; Serial No. 288,267; published Oct. 8, 1929. Class 6.

Oregon Pulp and Paper Company, Salem, Ore. Bond paper. 265,273-7; Dec. 24; Serial Nos. 286,260-4; published Oct. 8, 1929. Class 37.

Oregon Pulp and Paper Company, Salem, Ore. Bond paper. 265,288; Dec. 24; Serial No. 286,269; published Oct. 8, 1929. Class 37.

Oregon Pulp and Paper Company, Salem, Ore. Bond paper. 265,313-15; Dec. 24; Serial Nos. 286,270-2; published Oct. 8, 1929. Class 37.

Packer Products Company, Cedar Rapids, Iowa. Meat scraps, chicken mash, and bone meal. 265,308; Dec. 24; Serial No. 286,073; published Oct. 8, 1929. Class 46.

Para Rubber Company, Newark, N. J. Shower curtains. 265,460; Dec. 24. Class 13.

Parents' Publishing Association, Inc., New York, N. Y. Magazine. 265,351; Dec. 24; Serial No. 288,620; published Oct. 8, 1929. Class 38.

Patricia Petticoat Co. Inc., The, New York, N. Y. Chemises, nightgowns, pajamas, etc. 265,259; Dec. 24; Serial No. 288,035; published Oct. 8, 1929. Class 39.

Paul, Milton, doing business as International Extract Co., New York, N. Y. Extracts. 265,450; Dec. 24. Class 46.

Peace Medical Company. (See Grant, William E.)

Penny, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton-canvas work gloves. 265,370-1; Dec. 24; Serial Nos. 287,589-90; published Oct. 8, 1929. Class 39.

Peoples Pastry & Baking Co., Detroit, Mich. Bread. 265,427; Dec. 24; Serial No. 289,246; published Oct. 8, 1929. Class 46.

Perfect Safety Paper Company, The, Holyoke, Mass. Printing and writing paper. 265,272; Dec. 24; Serial No. 286,190; published Oct. 8, 1929. Class 37.

Pike Manufacturing Co., Pike, N. H. Abrasive stones. 265,269; Dec. 24; Serial No. 288,086; published Oct. 8, 1929. Class 4.

Plant Flour Mills Company, St. Louis, Mo. Wheat flour. 265,425; Dec. 24; Serial No. 289,417; published Oct. 15, 1929. Class 46.

Polans, S. M. Co., Duluth, Minn. Coats, sport coats, skating coats, etc. 265,390; Dec. 24; Serial No. 283,218; published Oct. 8, 1929. Class 39.

Pomona Products Company, Griffin, Ga. Canned peaches. 265,467; Dec. 24. Class 46.

Pressing, W. C., Canning Co., The, Norwalk, Ohio. Canned corn. 265,396; Dec. 24; Serial No. 283,767; published June 25, 1929. Class 46.

Pretor, Evangelist, San Francisco, Calif. Fluid for use in removing shine from clothing. 265,459; Dec. 24. Class 6.

Prune Products Co. (See Mason, J. G.)

Publishers' Fiscal Corporation, The, New York, N. Y. Periodical. 265,290; Dec. 24; Serial No. 286,503; published Oct. 8, 1929. Class 38.

R. F. Products Corporation, Brooklyn, N. Y. Marcell Irons, hair-curling Irons, paper curlers, etc. 265,375; Dec. 24; Serial No. 286,953; published Oct. 8, 1929. Class 40.

Rasmussen, Geo., Co., Chicago, Ill. Maltless beverages and syrup, extracts, and concentrates for making the same. 265,435; Dec. 24; Serial No. 261,300; published Oct. 8, 1929. Class 45.

Raymond Trigger Co., Inc., The, New York, N. Y. Golf balls, clubs, bags, and tees. 265,434; Dec. 24; Serial No. 288,725; published Oct. 15, 1929. Class 22.

Reeves Manufacturing Company, The, Dover, Ohio. Stove-pipes. 265,454; Dec. 24. Class 34.

Reimer, Aug. G., doing business as Reimer's Laboratories, Chicago, Ill. Bronchial elixir, croup emulsion, cold cream, etc. 265,382; Dec. 24; Serial No. 284,996; published Oct. 8, 1929. Class 6.

Ro-Nu-It Corporation, Salt Lake City, Utah. Gloss enamel finish, clear varnish, and varnish stain, etc. 265,421; Dec. 24; Serial No. 288,434; published Oct. 15, 1929. Class 16.

Ribbon-Miter Machine Company, Indianapolis, Ind. Machines for cutting designs. 265,455; Dec. 24. Class 23.

Rockwell, Harold H., et al., trustees. (See Myers, Lewis E., & Company, assignor.)

Rohm & Haas Company, Philadelphia, Pa. Wetting-out agent. 265,366; Dec. 24; Serial No. 287,899; published Oct. 1, 1929. Class 6.

Rosedale Milling Company, Rosedale Station, Kansas City, Kans. Wheat grayshorts, poultry feeds, and grain meal. 265,380; Dec. 24; Serial No. 277,555; published Oct. 15, 1929. Class 46.

Rosen, Rosie, doing business as B. Rosen, New York, N. Y. Infants' wear. 265,258; Dec. 24; Serial No. 287,945; published Oct. 8, 1929. Class 39.

Rossmann, Inc., St. Paul, Minn. Men's and boys' clothing and furnishings. 265,392; Dec. 24; Serial No. 278,810; published Oct. 8, 1929. Class 39.

Rubenstein, Frank, & Co., Inc., New York, N. Y.; New Orleans, La.; Houston and San Antonio, Tex. Silk stockings. 265,324; Dec. 24; Serial No. 288,982; published Oct. 8, 1929. Class 39.

Rubenstein, Frank, & Co., Inc., New York, N. Y.; New Orleans, La.; and Houston and San Antonio, Tex. Silk stockings. 265,325; Dec. 24; Serial No. 288,983; published Oct. 8, 1929. Class 39.

Sanden, Alf H., doing business as Viking Bakery Co., Portland, Ore. Bread. 265,381; Dec. 24; Serial No. 277,223; published Oct. 15, 1929. Class 46.

Sanders Chemical Co. (See Hisey, W. P., Jr., assignor.)

San Francisco Stock Exchange Institute, San Francisco, Calif. Magazine, newspaper, bulletin, or journal. 265,355; Dec. 24; Serial No. 288,089; published Oct. 8, 1929. Class 38.

Saxony Mills, St. Louis, Mo. Wheat bran, wheat mixed feed, dairy feeds, etc. 265,428; Dec. 24; Serial No. 289,131; published Oct. 8, 1929. Class 46.

Schiff, Benjamin A., Chicago, Ill. Clocks. 265,361; Dec. 24; Serial No. 288,728; published Oct. 15, 1929. Class 27.

Sandler, Silas F., New York, N. Y. Sections of newspapers. 265,352-3; Dec. 24; Serial Nos. 288,487-8; published Oct. 8, 1929. Class 38.

Seaman Paper Company, Chicago, Ill. Cardboards, Bristol boards, and index Bristols. 265,279; Dec. 24; Serial No. 287,394; published Oct. 8, 1929. Class 37.

Seaman Paper Company, Chicago, Ill. Rotogravure papers, printing, writing, book, and cover papers. 265,280; Dec. 24; Serial No. 287,370; published Oct. 8, 1929. Class 37.

Shade Publishing Company, The, Philadelphia, Pa. Periodical. 265,338; Dec. 24; Serial No. 288,926; published Oct. 8, 1929. Class 38.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, enamels, or lacquers. 265,302; Dec. 24; Serial No. 287,316; published Oct. 8, 1929. Class 16.

Shirek & Hirsch, Incorporated, New York, N. Y. Coats, vests, trousers, etc. 265,326; Dec. 24; Serial No. 288,984; published Oct. 15, 1929. Class 39.

Slane Hosiery Mills, Inc., High Point, N. C. Hosiery. 265,327; Dec. 24; Serial No. 289,133; published Oct. 15, 1929. Class 39.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Wool carpets. 265,458; Dec. 24. Class 42.

Societe Anonyme Crayons Conte, Regny, France. Crayons, pencils, pens, etc. 265,281; Dec. 24; Serial No. 287,374; published Oct. 8, 1929. Class 37.

Solomone, Louis, doing business as The Cloud Pile End Co., New York, N. Y. Preparation to be used in the treatment of piles. 265,328; Dec. 24; Serial No. 286,664; published Oct. 8, 1929. Class 6.

Southern Rice Sales Company, Inc., New York, N. Y. Rice. 265,432; Dec. 24; Serial No. 288,930; published Oct. 8, 1929. Class 46.

Spalding, A. G., & Bros., New York, N. Y. Golf balls. 265,420; Dec. 24; Serial No. 288,526; published Oct. 15, 1929. Class 22.

Spencer, Fannie C., Chicago, Ill. Combined sanitary belt. 265,412; Dec. 24; Serial No. 281,705; published Oct. 8, 1929. Class 44.

Spiegelman, Gizella, New York, N. Y. Weekly pocket directory. 265,285; Dec. 24; Serial No. 287,675; published Oct. 8, 1929. Class 38.

Squibb, E. R., & Sons, New York, N. Y. Razor blades. 265,320; Dec. 24; Serial No. 288,732; published Oct. 8, 1929. Class 23.

Stanco, Incorporated, New York, N. Y. Insecticides. 265,369; Dec. 24; Serial No. 287,628; published Oct. 8, 1929. Class 6.

Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin assorting and counting machines. 265,440; Dec. 24; Serial No. 276,278; published Oct. 8, 1929. Class 26.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 265,358; Dec. 24; Serial No. 289,212; published Oct. 8, 1929. Class 32.

Stein, A., & Company, Chicago, Ill. Beach bags. 265,411; Dec. 24; Serial No. 282,322; published June 18, 1929. Class 3.

Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 265,451; Dec. 24. Class 42.

Stockham, Edward V., Inc., Havre de Grace, Md. Tomato catsup, canned tomato concentrate, canned pork and beans and vegetables. 265,374; Dec. 24; Serial No. 287,023; published Oct. 8, 1929. Class 46.

Stocks, Charles E., doing business as Me-We, El Paso, Tex. Ties, neck scarfs, and mufflers. 265,388; Dec. 24; Serial No. 284,876; published Oct. 15, 1929. Class 39.

Sue, Lucky, Chicago, Ill. Blood-purifying medicine. 265,384; Dec. 24; Serial No. 283,817; published Oct. 8, 1929. Class 6.

Sugarland Industries, The, Sugar Land, Tex. Magazines. 265,289; Dec. 24; Serial No. 286,460; published Oct. 8, 1929. Class 38.

Supreme Instrument Corporation, Greenwood, Miss. Electrical measuring instruments. 265,397; Dec. 24; Serial No. 282,621; published Oct. 15, 1929. Class 26.

Susquehanna Shirt Company, Philadelphia, Pa. Necktie shirts. 265,414; Dec. 24; Serial No. 288,672; published Oct. 8, 1929. Class 39.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Sweet-Orr & Co. Inc., Wappingers Falls and New York, N. Y. Jackets and work shirts. 265,321; Dec. 24; Serial No. 288,769; published Oct. 8, 1929. Class 39.
Tiger Drug Co. Inc., doing business as Albee Drug Company, Brooklyn, N. Y. Laxatives. 265,339; Dec. 24; Serial No. 286,802; published Oct. 8, 1929. Class 6.
Timme, E. F. & Son, New York, N. Y. Pile fabrics in the piece. 265,395; Dec. 24; Serial No. 283,824; published Aug. 6, 1929. Class 42.
Today In New York, New York, N. Y. Publication. 265,268; Dec. 24; Serial No. 287,892; published Oct. 8, 1929. Class 38.
Tru Foot Company. (See Wizard Lightfoot Appliance Company.)
Tru-Rest Bedding Company, Washington, D. C. Mattresses, bed springs, cots, etc. 265,359; Dec. 24; Serial No. 289,091; published Oct. 8, 1929. Class 32.
Ultra-Violet Generator Corporation, Chicago, Ill. Electric therapeutic device. 265,431; Dec. 24; Serial No. 288,938; published Oct. 8, 1929. Class 44.
United States Daily Publishing Corporation, The, doing business as David Lawrence Publications, Washington, D. C. Periodical. 265,292; Dec. 24; Serial No. 287,029; published Oct. 8, 1929. Class 38.
Varsity Hosiery Corporation, New York, N. Y. Hosiery. 265,391; Dec. 24; Serial No. 282,961; published Oct. 15, 1929. Class 39.

Vendola Corporation, New York, N. Y. Merchandise-vending machines. 265,334; Dec. 24; Serial No. 288,444; published Oct. 8, 1929. Class 23.
Viking Bakery Co. (See Sanden, Alf H.)
Viscose Company, The, Marcus Hook, Pa. Rayon yarn. 265,436; Dec. 24; Serial No. 262,878; published Oct. 30, 1928. Class 43.
Wertheimer-Waldenberg Co., Chicago, Ill. Women's coats and suits. 265,266; Dec. 24; Serial No. 285,314; published Oct. 15, 1929. Class 39.
Westfield Watch Company, Inc., New York, N. Y. Wrist watches. 265,362; Dec. 24; Serial No. 288,682; published Oct. 15, 1929. Class 27.
Wheatworth, Inc., New York, N. Y. Crackers or biscuits. 265,297; Dec. 24; Serial No. 287,726; published Oct. 15, 1929. Class 46.
Witherell & Broome, New York, N. Y. Medicated handkerchief. 265,430; Dec. 24; Serial No. 289,057; published Oct. 8, 1929. Class 44.
Wizard Lightfoot Appliance Company, doing business as Tru Foot Company, St. Louis, Mo. Corrective foot appliances. 265,304; Dec. 24; Serial No. 287,393; published Oct. 8, 1929. Class 44.
Zeblatt, Solomon, Milwaukee, Wis. Shoes. 265,457; Dec. 24. Class 39.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

Beeks Produce Co. Inc., San Antonio, Tex. Society Brand. For Mayonnaise. 36,762; Dec. 24.
Carrel, Harry M., Hammondon, N. J. Jersey Sun Shine Eggs. For Eggs. 36,763; Dec. 24.
Chicago Specialty Co. (See Podesta, L. A.)
General Nut Co., Chicago, Ill. Savigne Salted Nuts, Nut-Butter Toasted. For Nuts. 36,764; Dec. 24.
Goodman, A. & Sons, Inc., New York, N. Y. Goodman's. For Pure Matzoth Meal. 36,765; Dec. 24.
Goodman, A. & Sons, Inc., New York, N. Y. Goodman's. For Potato Starch. 36,766; Dec. 24.
Hills Brothers Company, The, New York, N. Y. Dromedary Dates (Baked in Sunshine—Nut Stuffed). For Dates. 36,767; Dec. 24.
Hills Brothers Company, The, New York, N. Y. Rico Grapefruit. For Grapefruit. 36,768; Dec. 24.
Hills Brothers Company, The, New York, N. Y. Indian Island Grapefruit. For Grapefruit. 36,769; Dec. 24.
Hills Brothers Company, The, New York, N. Y. Primrose Grapefruit. For Grapefruit. 36,770; Dec. 24.
Hills Brothers Company, The, New York, N. Y. Zest Grapefruit. For Grapefruit. 36,771; Dec. 24.
Hitt Flasheracka Company, Seattle, Wash. Hitt's Rack-eter Tricolor Flash Grenades. For Tricolor Flash Grenades. 36,772; Dec. 24.
Hitt Flasheracka Company, Seattle, Wash. Hitt's Rack-eter Rainbow Flash Grenades. For Rainbow Flash Grenades. 36,773; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. D. S. P. Co. For Boxes. 36,774; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Frincess. For Boxes. 36,775; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Davis shoes. For Boxes. 36,776; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. The Hasson Shoe. For Boxes. 36,777; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. D M Co. For Boxes. 36,778; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. H E S & Son Inc. For Boxes. 36,779; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Gillett-Upton Inc. For Boxes. 36,780; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. B S Co. For Boxes. 36,781; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Art shoe. For Boxes. 36,782; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Abraham and Straus, Inc. For Boxes. 36,783; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Metropolitan Boot Shop. For Boxes. 36,784; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Sake's. For Boxes. 36,785; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Reisman, Glass, Fitzgerald. For Boxes. 36,786; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Snappy Arch. For Boxes. 36,787; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Merchants Shoe Co. For Boxes. 36,788; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Superior Arch. For Boxes. 36,789; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Foot-Craft. For Boxes. 36,790; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. The Mabley & Carew Co. For Boxes. 36,791; Dec. 24.

Hoague-Sprague Corporation, Lynn, Mass. The Globe Shoe Co. For Boxes. 36,792; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Prosperity Shoe Co. For Boxes. 36,793; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Shoes of Character. For Boxes. 36,794; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Arch Shoe. For Boxes. 36,795; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Essex Shoe Co. For Boxes. 36,796; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. H. E. Ackerman. For Boxes. 36,797; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. A. W. Tedcastle Co. For Boxes. 36,798; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Maxphil. For Boxes. 36,799; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Pommeretts. For Boxes. 36,800; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Robbin's \$5.00 Shoe Store. For Boxes. 36,801; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. Milber's. For Boxes. 36,802; Dec. 24.
Hoague-Sprague Corporation, Lynn, Mass. L M F. For Boxes. 36,803; Dec. 24.
Jobbers Service Incorporated, Coldwater, Mich. Defiance Sweet Corn. For Canned Corn. 36,804; Dec. 24.
Jobbers Service Incorporated, Coldwater, Mich. Defiance Tomatoes. For Canned Tomatoes. 36,805; Dec. 24.
Jobbers Service Incorporated, Coldwater, Mich. Defiance Sweet Peas. For Canned Peas. 36,806; Dec. 24.
Jobbers Service Incorporated, Coldwater, Mich. Defiance Coffee. For Coffee. 36,807; Dec. 24.
McQuay-Norris Manufacturing Company, St. Louis, Mo. McQuay-Norris Double Ventilated Superoyl Rings. For Piston Rings. 36,808; Dec. 24.
North Platte Valley Co-Operative Cheese Company, Scottsbluff, Neb. Beauty Girl Products. For Cream Cheese. 36,809; Dec. 24.
Norwood & McCormick, Bryn Mawr, Calif. Royal Taste. For Fresh Oranges. 36,810; Dec. 24.
Nutrine Candy Company, Chicago, Ill. Nutrine Quality Candles. For Candy. 36,811; Dec. 24.
Par-X Service Corporation, Philadelphia, Pa. Karton Bread. For Bread. 36,812; Dec. 24.
Podesta, L. A., doing business as Chicago Specialty Co., San Francisco, Calif. Rhine Maid. For Malt Syrup. 36,813; Dec. 24.
Renz, George M., Wells, Minn. Glame. For a Medichal Tablet. 36,814; Dec. 24.
Rose City Chemical Company, Thomasville, Ga. Spray. For a Liquid Insecticide. 36,815; Dec. 24.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Foot-Bath Soap, Medicated. For Cake Soap. 36,816; Dec. 24.
Standard Brands Incorporated, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Fleischmann's Yeast. For Yeast. 36,817; Dec. 24.
Superior Laboratories, Inc., Milwaukee, Wis. Superior Gen-Sen Root and Herb Compound. For Medicinal Preparation for Stomach, Liver, Kidneys, and Bowels. 36,818; Dec. 24.
Susu Nut Company, The, Chicago, Ill. Susu Salted Nuts, Nut-Butter Toasted. For Nuts. 36,819; Dec. 24.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

Balkett Radio Company, North Chicago, Ill. What's This Talk About Tone? For Radios. 12,261; Dec. 24.
Balkett Radio Company, North Chicago, Ill. So Natural—You Forget It's Radio. For Radios. 12,262; Dec. 24.
Black & White Candy Co., Jacksonville, Tex. Black & White Candy Co. For Candles. 12,263; Dec. 24.
Coty, Inc., Wilmington, Del., and New York, N. Y. The New Vogue of Les Parfums Coty (for Nights of Gaiety Fragrance Symphonizing with Every Diversion of the Chic World). For Perfumes. 12,267; Dec. 24.
Coty, Inc., Wilmington, Del., and New York, N. Y. The New Vogue of Les Parfums Coty (Nights of Smart Brilliance, Fragrance Sounding the Note of Chic Activities). For Perfumes. 12,268; Dec. 24.
Coty, Inc., Wilmington, Del., and New York, N. Y. The New Vogue of Les Parfums Coty (In Rhythm with the Dance Fragrance Smartly Timed to Each Diversion). For Perfumes. 12,265; Dec. 24.

Coty, Inc., Wilmington, Del., and New York, N. Y. The New Vogue of Les Parfums Coty (for Hours of Splendour Fragrance Supremely Keyed to the Occasion). For Perfumes. 12,266; Dec. 24.
Coty, Inc., Wilmington, Del., and New York, N. Y. The New Vogue of Les Parfums Coty (for Nights of Gaiety Fragrance Symphonizing with Every Diversion of the Chic World). For Perfumes. 12,267; Dec. 24.
Coty, Inc., Wilmington, Del., and New York, N. Y. The New Vogue of Les Parfums Coty (Nights of Smart Brilliance, Fragrance Sounding the Note of Chic Activities). For Perfumes. 12,268; Dec. 24.
Multistamp Co., Inc., The, Norfolk, Va. At Each Turn of the Wrist. For Hand Stamps and Supplies. 12,269; Dec. 24.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Brominized oils for radiographic visualization. 291,651; Dec. 24. Class 6.
Aberlyons Laboratories, Inc., New York, N. Y. Preparation of dried liver and natural salts. 290,774; Dec. 24. Class 6.
Aderer, Julius, Inc., New York, N. Y. Casting gold for dentists' use. 292,023; Dec. 24. Class 44.
Allan & Co., Inc., St. Louis, Mo. Medicinal tonic. 291,753; Dec. 24. Class 6.
Allaway, Elmer A., Sioux City, Iowa. Hair tonic. 283,852; Dec. 24. Class 6.
Allbright-Nell Company, The, Chicago, Ill. Parcels of lard. 291,652; Dec. 24. Class 46.
American Beauty Coupon Company, St. Louis, Mo. Trading coupons. 291,653; Dec. 24. Class 38.
American Candy Company. (See Layman, Bertha M.)
American Gypsum Company, The, Port Clinton, Ohio. Colored gypsum stucco. 291,421; Dec. 24. Class 12.
American Laundry Machinery Company, The, Norwood Station, Cincinnati, Ohio. Publication. 292,385; Dec. 24. Class 38.
American Optical Company, Southbridge, Mass. Ophthalmic mountings, eye protectors, lenses, etc. 287,786; Dec. 24. Class 26.
American Optical Company, Southbridge, Mass. Ophthalmic mountings and parts therefor, eye protectors, etc. 289,171; Dec. 24. Class 26.
Apex Manufacturing Corporation, Baltimore, Md. Razor blades. 292,244; Dec. 24. Class 23.
Arco Company, The, Cleveland, Ohio. Polishing compound. 291,108; Dec. 24. Class 16.
Arlette, Inc., Louisville, Ky. Hair waving pads. 291,377-8; Dec. 24. Class 44.
Augustin, S. & Co., New York, N. Y. Sweaters and bathing suits. 291,261; Dec. 24. Class 39.
Automatic Cooking Machine Company, Inc., New Bedford, Mass. Automatic cooking machines. 291,078; Dec. 24. Class 23.
Badger Rubber Works, The, Milwaukee and Cudahy, Wis. Tire and tube patches, repair kits, and belts. 291,426; Dec. 24. Class 35.
Badger Rubber Works, The, Milwaukee and Cudahy, Wis. Tire flaps, flap material, transmission discs, etc. 291,427; Dec. 24. Class 35.
Badger Rubber Works, The, Milwaukee and Cudahy, Wis. Vehicle tires and inner tubes. 291,428; Dec. 24. Class 35.
Badger Rubber Works, The, Milwaukee and Cudahy, Wis. Vehicle tires, inner tubes, and transmission discs. 291,429; Dec. 24. Class 35.
Baker, Oliver, Manufacturing Company, Minneapolis, Minn. Key cases, constructed of leather, leatheroid, or fabric. 291,471; Dec. 24. Class 3.
Bamberger, L. & Co., Newark, N. J. Bed springs, mattresses, beds, etc. 290,290; Dec. 24. Class 32.
Baneroff, Whitney Company, San Francisco, Calif. Series of law books. 292,024; Dec. 24. Class 38.
Bankers Publishing Company, Milwaukee, Wis. Periodicals. 291,864; Dec. 24. Class 38.
Barium Reduction Corporation, Charleston, W. Va. Sodium sulphide. 273,619; Dec. 24. Class 6.
Barker Bros., Incorporated, Los Angeles, Calif. Household and office furniture. 290,808; Dec. 24. Class 32.
Barker Bros., Incorporated, Los Angeles, Calif. Beds, bed panels, dressers, etc. 291,432; Dec. 24. Class 32.
Barnes, Bertram C., doing business as Barnes Baking Co., Seattle, Wash. Bread. 292,349; Dec. 24. Class 46.
Bauer, Jack, New York, N. Y. Magazines. 288,580; Dec. 24. Class 38.
Beirs, Edward F., doing business as Oxylite Co., Hartford, Conn. Sedative and analgesic medicine. 289,959; Dec. 24. Class 6.

Benzit Aktiengesellschaft, Berlin, Germany. Chemical preparations. 291,865; Dec. 24. Class 6.
Berg Bros. Manufacturing Company Incorporated, Minneapolis, Minn. Weiner-roasting machine. 292,199; Dec. 24. Class 23.
Bergmann, Theo., Shoe Mfg. Co., Portland, Oreg. Leather sporting boots. 289,817; Dec. 24. Class 39.
Bergs, E. A., Fabriks Aktiebolag, Eskilstuna, Sweden. Planes, grooving irons, gouges, etc. 387,904; Dec. 24. Class 23.
Blancone, Paul, doing business as K-O-K Cleanser Company, Columbus, Ohio. Chemical washing fluid. 290,445; Dec. 24. Class 6.
Bigelow-Hartford Carpet Company, Thompsonville, Conn. Textile rugs and carpets. 289,387; Dec. 24. Class 42.
Binsky, Aaron I., Inc., New York, N. Y. Woolen goods. 290,646; Dec. 24. Class 42.
Blackwood Coal & Coke Company, Philadelphia, Pa. Coal. 289,566; Dec. 24. Class 1.
Blair Laboratories. (See Morton Manufacturing Corporation.)
Bon Vino Products, Inc., Buffalo, N. Y. Medicinal tonic. 291,434; Dec. 24. Class 6.
Bonide Chemical Co., Inc., Utica, N. Y. Squill compound. 291,497; Dec. 24. Class 6.
Boott Mills, Lowell, Mass. Towels. 275,097; Dec. 24. Class 42.
Borden, M. C. D. & Sons, Inc., New York, N. Y. Ladies' dresses. 291,111; Dec. 24. Class 39.
Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Work gloves. 291,112; Dec. 24. Class 39.
Bright & Company, Reading, Pa. Shovels. 290,684; Dec. 24. Class 23.
Brill, Louis, doing business as Brill Corset Co., Philadelphia, Pa. Corsets, brassieres, girdles, and garter belts. 291,548; Dec. 24. Class 39.
Bronston Bros. & Co., Inc., New York, N. Y. Hats. 288,003; Dec. 24. Class 39.
Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery. 286,858; Dec. 24. Class 39.
Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery. 286,864; Dec. 24. Class 39.
Bruning, Charles, Company, Inc., New York, N. Y. Abney hand levels, rulers, air meters, etc. 277,400; Dec. 24. Class 26.
Bruning, Charles, Company, Inc., New York, N. Y. Cylindrical blue-print machines, blue-printing machines, etc. 285,246; Dec. 24. Class 26.
Brunswick-Balke-Collender Company, The, Chicago, Ill., and Wilmington, Del. Bowling alleys and parts thereof. 291,549; Dec. 24. Class 22.
Buffalo Flour Mills Corporation, Buffalo, N. Y. Wheat flour. 292,432; Dec. 24. Class 46.
C-Dar-Flo Manufacturing Co. (See Underhill, George E.)
California Lands, Inc., San Francisco, Calif. Fresh deciduous and citrus fruits. 289,572; Dec. 24. Class 46.
Calligator Pear Company, Bonita, Calif. Fresh avocado or alligator pears. 290,994; Dec. 24. Class 46.
Capitol Paint & Varnish Works, Chicago, Ill. Paints, paint enamels, lacquers, etc. 291,321; Dec. 24. Class 16.
Cheese, N. Z., Ltd., Auckland, New Zealand. Cheese. 292,457; Dec. 24. Class 46.
Chidron-Werke G. m. b. H., Tuttlingen, Germany. Scissors, forceps, knives, probes, etc. 286,924; Dec. 24. Class 44.
Colorado Poultrymen's Exchange, The, Denver, Colo. Eggs. 290,243; Dec. 24. Class 46.
Continental Machinery and Supply Company, Los Angeles, Calif. Belt dressing. 292,029; Dec. 24. Class 4.
Cornel Drug Stores Inc., New York, N. Y. Cough medicine. 292,030; Dec. 24. Class 6.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

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Crawford, Gertrude B., doing business as Kid-um Exterminating Co., Flint, Mich. Insecticides. 291,117; Dec. 24. Class 6.

Crescent Mfg. Co. (See Nagel, Frank.)

Crosta Blanca Company, Inc., San Francisco, Calif. Malt-
less beverages. 291,439; Dec. 24. Class 45.

Cutts, Richard M., Jr., Quantico, Va. Compensator for fire-
arms. 292,315; Dec. 24. Class 9.

Daniels, Dr. A. C., Inc., Boston, Mass. Cat medicine.
277,099; Dec. 24. Class 6.

Daniels, Isa., Kansas City, Mo. Preparation for treating
hair and scalp. 292,257; Dec. 24. Class 6.

Davis & Catterall, Inc., Passaic, N. J., and New York, N. Y.
Cotton fabrics. 292,352; Dec. 24. Class 42.

Denison, Frank L., & Company, Inc., New York, N. Y. Cot-
ton, wool, silk, etc., piece goods. 287,959; Dec. 24.
Class 42.

De Valis, Inc., Lansdale, Pa. Hosiery. 291,208-9; Dec. 24.
Class 39.

Hickinson Company, Inc., Oswego, Oreg. Grape juice and
loganberry juice. 289,787; Dec. 24. Class 45.

Digestive Ferments Company, Detroit, Mich. Medicinal
preparation. 292,258-60; Dec. 24. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del.
Dyes and dyestuffs. 291,914; Dec. 24. Class 6.

Du Pont Rayon Company, New York, N. Y. Viscose yarns,
threads, and filaments. 290,058; Dec. 24. Class 43.

Durable Paint Company, Inc., Brooklyn, N. Y. Paints.
289,968; Dec. 24. Class 16.

Duro Metal Products Company, Chicago, Ill. Automotive
tools. 291,657; Dec. 24. Class 23.

Ediplex Fountain Pen and Pencil Co., Inc., New York, N. Y.
Fountain pens and pencils. 291,210; Dec. 24. Class 37.

Electric Rabbit Metals Company. (See Hall, James A.)

Elgin National Watch Company, Chicago, Ill. Watches.
290,940; Dec. 24. Class 27.

Englander Spring Bed Company, Brooklyn, N. Y. Beds.
292,400; Dec. 24. Class 32.

Esmond Mills, The, Esmond, R. I. Textile blankets.
292,316; Dec. 24. Class 42.

Essex Rubber Company, Inc., Trenton, N. J. Soles and
heels for boots and shoes. 291,085; Dec. 24. Class 39.

Etablissements F. Delory, Lorient, France. Canned fish.
291,329; Dec. 24. Class 46.

Faber Neophen Company. (See Ruskin, Lewis J.)

Fagley & Halpen, Philadelphia, Pa. Combination utensils.
290,943; Dec. 24. Class 13.

Fairchild Bros. & Foster, New York, N. Y. Protein to be
used for experimental, technical, and clinical purposes.
292,098; Dec. 24. Class 6.

Falling Spring Lime Company, Inc., Covington, Va. Com-
position of matter used as a soil conditioner. 290,779;
Dec. 24. Class 10.

Fawcett Publications, Inc., Robbinsdale, Minn. Maga-
zines. 291,660; Dec. 24. Class 38.

Feinstein, P., & Sons, New York, N. Y. Overcoats.
274,040; Dec. 24. Class 39.

Formfit Company, The, Chicago, Ill. Corsets, brassières,
girdles, etc. 290,566; Dec. 24. Class 39.

Fort Wayne Engineering & Manufacturing Co., Fort
Wayne, Ind. Mechanical water softeners. 291,614;
Dec. 24. Class 23.

Fox, Frances, Laboratories, Incorporated, Ridgewood,
N. J. Soap. 270,697; Dec. 24. Class 4.

Francene Incorporated, New York, N. Y. Cosmetics and
toilet accessories. 292,317; Dec. 24. Class 6.

Fromont Canning Company, Fremont, Mich. Canned
strained vegetable products and fruits. 275,892;
Dec. 24. Class 46.

French Chemical Co. (See Sternberg, Irving.)

Fried Garment Mfg. Co., Inc., Houston, Tex. Dresses,
aprons, coats, and underwear. 290,946; Dec. 24.
Class 39.

Frost Coal Company, Neponset, Mass. Coal. 286,355;
Dec. 24. Class 1.

Funk & Wagnalls Company, New York, N. Y. Periodical.
292,162; Dec. 24. Class 38.

Garrett, John E., New Glasgow, Nova Scotia, Canada, and
Malden, Mass. Rug hookers. 292,263; Dec. 24.
Class 23.

Gehr, Dowlat, Luttringhausen, Germany. Adjustable
screw wrenches. 288,278; Dec. 24. Class 23.

General Motors Corporation, Detroit, Mich. Automobiles
and structural parts thereof. 284,455; Dec. 24.
Class 19.

Gernsback Publications, Inc., New York, N. Y. Publica-
tion. 291,973; Dec. 24. Class 38.

Gibson-Homans Western Company, The, Kansas City, Mo.
Protective coating for roofs. 290,830; Dec. 24.
Class 12.

Gleason Works, The, Rochester, N. Y. Machines for pro-
ducing gears and for parts of said machinery. 290,510;
Dec. 24. Class 23.

Good Story Magazine Company, Inc., New York, N. Y.
Publication. 290,124; Dec. 24. Class 38.

Goodyear Tire & Rubber Company, The, Akron, Ohio.
Adhesives. 291,217; Dec. 24. Class 5.

Gordon, Samuel, San Francisco, Calif. Women's wearing
apparel. 281,730; Dec. 24. Class 39.

Grant, William E., doing business as Peace Medical Com-
pany, Lancaster, Pa. Vaginal douche. 292,103;
Dec. 24. Class 6.

Greene, William, doing business as Greene Service Com-
pany, New York, N. Y. Photographic enlargements.
292,354; Dec. 24. Class 38.

Guttman, Jacob, & Sons, Inc., New York, N. Y. Sports-
wear. 291,220; Dec. 24. Class 39.

H. D. T. Company, Factors. (See Triantafyllu, Harry D.)

H. and F. Food Products Corporation, Buffalo, N. Y.
Mayonnaise, celery sauce, salad dressing, and sandwich
spread. 270,376; Dec. 24. Class 46.

Hagerstown Leather Co., Inc., Hagerstown, Md. Leather.
291,005; Dec. 24. Class 1.

Hall, James A., doing business as Electric Rabbit Metals
Company, Los Angeles, Calif. Rabbit metal. 291,333;
Dec. 24. Class 14.

Handy, H. L., Company, Springfield, Mass. Eggs, ham,
bacon, etc. 290,511; Dec. 24. Class 46.

Hansley Mills, New York, N. Y. Underwear. 291,800;
Dec. 24. Class 39.

Hartman, Joel S., New York, N. Y. Toilet tissue. 290,833;
Dec. 24. Class 37.

Helland, John, Co., Chicago, Ill. Foot powder, damiana,
liver pills, etc. 270,840; Dec. 24. Class 6.

Henske, Edward A., doing business as Kin-Septic Com-
pany, St. Louis, Mo. Skin antiseptic. 291,983; Dec. 24.
Class 6.

High-Gloss, Inc., New York, N. Y. Brass and copper pol-
ish. 287,819; Dec. 24. Class 4.

Hillex Company, The, St. Paul, Minn. Cleaning compound,
bleach disinfectant, deodorant, and antiseptic. 291,827;
Dec. 24. Class 6.

Hogan, Molly M., New York, N. Y. Hair tonic, shampoo,
hair oil, and pomade. 290,573; Dec. 24. Class 6.

Hood Rubber Company, Inc., Watertown, Mass. Rubber
soles and heels. 289,627; Dec. 24. Class 39.

Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md.
Waterproof fabric and waterproof cotton duck. 286,169;
Dec. 24. Class 50.

Howdy Company, The, St. Louis, Mo. Maltless beverages,
syrops, extracts, and concentrates used in making the
same. 291,337; Dec. 24. Class 45.

Huyck, F. C., & Sons, Albany and Rensselaer, N. Y.
Blankets of textile fabric. 292,356; Dec. 24. Class 42.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-
Main, Germany. Medicinal preparations. 289,995;
Dec. 24. Class 6.

Illinois Zinc Company, Chicago, Ill. Zinc alloy. 291,769;
Dec. 24. Class 14.

Industrial Supply Company, Salt Lake City, Utah. Port-
able hand fire extinguishers, saws, twist drills, etc.
279,473; Dec. 24. Class 23.

Jacobs, Leon E., & Bro., New York, N. Y. Shirts and
collars. 290,254; Dec. 24. Class 39.

James Manufacturing Company, Fort Atkinson, Wis.
Feed, litter, and milk-can carriers, barn-door scrapers,
poultry equipment, etc. 291,668; Dec. 24. Class 23.

John, Robert, Long Branch, N. J. Liquid carbon remover.
256,780; Dec. 24. Class 6.

K-O-K Cleanser Company. (See Blumhagen, Paul.)

Karl Laboratories. (See Pomerance, Tulley J.)

Kin-Septic Company. (See Henske, Edward A.)

Kreher, Benjamin T., Mantua, N. J. Medical preparation
used in the treatment of hog cholera. 291,275; Dec. 24.
Class 6.

Klass, Carl, doing business as Carl Klass, a firm, Solingen,
Germany. Razor blades. 291,339; Dec. 24. Class 23.

Knox Hat Company, Inc., New York, N. Y. Caps and hats,
gloves, trousers, etc. 279,670; Dec. 24. Class 39.

Kochs, Theo. A., Company, Chicago, Ill. Hairdressing.
292,214; Dec. 24. Class 6.

Kramer Brothers, New York, N. Y. Hosiery. 252,284;
Dec. 24. Class 39.

Kraus, Herman, Inc., Toledo, Ohio. Ginger ale. 287,707;
Dec. 24. Class 45.

Kress, S. H., & Co., New York, N. Y. Men's underwear.
290,957; Dec. 24. Class 39.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio.
Brushes. 288,135; Dec. 24. Class 29.

Kunkelmann & Cie, Société Anonyme, Reims, France.
Champagne. 272,500; Dec. 24. Class 47.

Lamb Mfg. Company, Terra Haute, Ind. Professional and
service apparel. 290,183; Dec. 24. Class 39.

Lambert, Howard B., doing business as Universal Solvent
Company, Philadelphia, Pa. Cleanser. 291,228; Dec. 24.
Class 4.

Langbein, William, Bros., Brooklyn, N. Y. Castings and
forgings. 277,302; Dec. 24. Class 14.

La Salle Machine Works, Inc., Chicago, Ill. Press metal
machinery, punch presses, and parts. 277,067; Dec. 24.
Class 23.

Laura Hair Novelty Co., The. (See Than, Charles K.)

Layman, Bertha M., doing business as American Candy
Company, Kansas City, Mo. Pop corn. 275,168;
Dec. 24. Class 46.

Leonard Research Laboratories. (See Piccoli, Leonard J.)

Levin & Harris Shirt Co., Inc., New York, N. Y. Shirts.
291,396; Dec. 24. Class 39.

Lewis, Frank P., Cigar Co., Peoria, Ill. Cigars. 291,627;
Dec. 24. Class 17.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

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Lockwoven Hosiery Company, St. Louis, Mo. Hosiery,
underwear, and dresses. 280,128; Dec. 24. Class 39.

Lockwoven Hosiery Company, St. Louis, Mo. Hosiery,
underwear, neckwear, four-in-hand and bow ties.
280,848; Dec. 24. Class 39.

Loewy, Theresa, St. Louis, Mo. Beef and calves' feet
jelly. 281,740; Dec. 24. Class 46.

Loose-Wiles Biscuit Company, Long Island City, N. Y.
Cookies and biscuit. 292,268; Dec. 24. Class 46.

Lotus Limited, Stafford, England. Boots and shoes.
289,684; Dec. 24. Class 39.

Mackintosh, John, and Sons, Limited, Halifax, England.
Toffee. 290,170-1; Dec. 24. Class 46.

Mackintosh, John, and Sons, Limited, Halifax, England.
Toffee. 291,627; Dec. 24. Class 46.

Marcel Frank, Inc., New York, N. Y. Perfume and me-
dicinal atomizers. 291,560; Dec. 24. Class 44.

Marcellene Chemical Company, Richmond, Va. Hair and
toilet preparations. 289,791; Dec. 24. Class 6.

Mar-Vel-O Company. (See Rambonnet, Carrie H.)

Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft,
Augsburg, Germany. Turning lathes. 274,661; Dec.
24. Class 23.

Mattison, Mrs. Albert F., doing business as The Minute-
Robe Company, Buffalo, N. Y. Burial robes. 279,553;
Dec. 24. Class 39.

Meredith Publishing Company, Des Moines, Iowa. Pub-
lication. 292,274; Dec. 24. Class 38.

Midvale Company, The, Philadelphia, Pa. Castings, forg-
ings, ingots, etc. 288,861; Dec. 24. Class 14.

Mid-West Publishers, Inc., St. Louis, Mo. Magazine.
292,221; Dec. 24. Class 38.

Minute-Robe Company, The. (See Mattison, Mrs. Albert
F.)

Missoula Feed and Grain Company, Missoula, Mont.
Stock, cattle, and poultry feed. 292,411; Dec. 24.
Class 46.

Morland & Impey Limited, Birmingham, England. Loose-
leaf binders, paper, index cards, etc. 278,054; Dec. 24.
Class 37.

Morrison, George, Poughkeepsie, N. Y. Honey. 291,572;
Dec. 24. Class 46.

Morton Manufacturing Corporation, doing business as
Blair Laboratories, Lynchburg, Va. Soap. 291,285;
Dec. 24. Class 4.

Naamloze Vennootschap Utrechtsche Boterspritsfabriek
Voortheen Firma W. J. Notboom, Utrecht, Netherlands.
Biscuits. 289,550; Dec. 24. Class 46.

Nagel, Frank, doing business as Crescent Mfg. Co., Fre-
mont, Ohio. Razor blades. 291,400; Dec. 24. Class 23.

Namm, A. I., & Son, doing business as The Namm Store,
Brooklyn, N. Y. Men's clothing. 290,965; Dec. 24.
Class 39.

National-Erie Company, Erie, Pa. Ferrous castings.
291,927; Dec. 24. Class 14.

Neet, Incorporated, St. Louis, Mo. Depilatory. 290,141;
Dec. 24. Class 6.

Neustadter Bros., San Francisco, Calif. Sweaters, sweater
coats, and knitted shirts. 291,098; Dec. 24. Class 39.

O'Connor & Goldberg, Chicago, Ill. Women's shoes.
290,761; Dec. 24. Class 39.

Orr, J. K., Shoe Company, The, Atlanta, Ga. Shoes.
289,363; Dec. 24. Class 39.

Ostidek Co., The, Minneapolis, Minn. Dust mops.
282,790; Dec. 24. Class 29.

Overholt, A., & Company, Bradford, Pa. Whiskey.
291,784; Dec. 24. Class 49.

Oxylite Co. (See Belts, Edward F.)

Pace Milling Co., The, Luray, Va. Wheat flour. 292,227;
Dec. 24. Class 46.

Pal, O. Mor. Co., The. (See Swartz, William L.)

Parfumerie Roger et Gallet, Société Anonyme, Paris,
France. Perfumes, toilet waters, and perfumery.
275,292; Dec. 24. Class 6.

Parsons Paper Company, Holyoke, Mass. Writing and
printing papers. 287,262; Dec. 24. Class 37.

Peace Medical Company. (See Grant, William E.)

Peirce, E. W., doing business as E. W. Peirce Co., Zanes-
ville, Ohio. Honey. 291,633; Dec. 24. Class 46.

Pesodent Co., The, Chicago, Ill. Antiseptics. 292,228;
Dec. 24. Class 6.

Permanent Bevel Unbreakable Crystal Company, Pitts-
burgh, Pa. Composition watch crystals and transparent
composition disks, etc. 274,981; Dec. 24. Class 33.

Perrucci, Delfo, doing business as Phoebus Chemical Co.,
New York, N. Y. Polish. 291,922; Dec. 24. Class 16.

Philadelphia Magnesia Company, Philadelphia, Pa. Effer-
vescent solution of magnesia. 291,406; Dec. 24.
Class 6.

Phoebus Chemical Co. (See Perrucci, Delfo.)

Piccoli, Leonard J., doing business as Leonard Research
Laboratories, New York, N. Y. Preparations for colds
and irritations of the respiratory, intestinal, and urinary
systems. 292,284; Dec. 24. Class 6.

Piggly Wiggly Corporation, Cincinnati, Ohio. Brooms.
292,005-6; Dec. 24. Class 29.

Piggly Wiggly Corporation, Cincinnati, Ohio. Domestic
ammonia and liquid bluing. 292,007; Dec. 24. Class 6.

Piggly Wiggly Corporation, Cincinnati, Ohio. Brooms.
292,008; Dec. 24. Class 29.

Playground and Recreation Association of America, In-
corporated, New York, N. Y. Monthly magazine.
286,680; Dec. 24. Class 38.

Podolac Co. (See Powell, Joseph C.)

Pomerance, Tulley J., doing business as Karl Laboratories,
Detroit, Mich. Inhalant liquids. 291,788; Dec. 24.
Class 6.

Powdrell & Alexander, Inc., Boston, Mass. Piece goods of
cotton, linen, etc. 292,461; Dec. 24. Class 42.

Powell, Joseph C., doing business as Podolac Co., Char-
lotte, N. C. External medicinal preparation. 289,419;
Dec. 24. Class 6.

Protex Products Company. (See Schwartzman, Harry.)

Pyreneutrol Co. (See Rivero, Aquilino S.)

Queensboro Tool & Die Co., Inc., Long Island City, N. Y.
Accelerator pedals. 291,024; Dec. 24. Class 23.

Quigan, Frank J., Inc., Brooklyn, N. Y. Safety-razor
blades. 292,287; Dec. 24. Class 23.

Rambonnet, Carrie H., doing business as Mar-Vel-O Com-
pany, Chicago, Ill. Preparation for cleaning. 291,578;
Dec. 24. Class 4.

Ray-Brown Company, Inc., Woodburn, Oreg. Canned
fruits and vegetables. 286,590; Dec. 24. Class 46.

Reynolds, Karl G., Los Angeles, Calif. Publications.
275,630; Dec. 24. Class 38.

Renwal Scientific Engineering Company, Chicago, Ill.
Vibrating and heating apparatus and electrical equip-
ment associated therewith. 286,653-4; Dec. 24.
Class 44.

Renwal Scientific Engineering Company, Chicago, Ill.
Vibrating and heating apparatus and electrical equip-
ment associated therewith. 290,717; Dec. 24. Class 44.

Reynolds Metals Company, Louisville, Ky. Aluminum
solder. 291,409; Dec. 24. Class 14.

Rid-um Exterminating Co. (See Crawford, Gertrude B.)

Ringlette Permanent Company, San Francisco, Calif.
Permanent hair waving. 291,696; Dec. 24. Class 44.

Rivero, Aquilino S., doing business as Pyreneutrol Co.,
New York, N. Y. Medicinal preparation. 291,412;
Dec. 24. Class 6.

Rochester Co., Inc., The, Eud., Okla. Handkerchiefs.
292,178; Dec. 24. Class 42.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Pudding in
powdered form. 276,334; Dec. 24. Class 46.

Rorer, William H., Inc., Philadelphia, Pa. Medicine.
291,791; Dec. 24. Class 6.

Rossi Cigar Co., Oakland, Calif. Cigars. 286,594; Dec.
24. Class 17.

Roth-Büchner, Aktiengesellschaft, Berlin-Tempelhof, Ger-
many. Cutlery. 277,919; Dec. 24. Class 23.

Ruskin, Lewis J., doing business as Faber Neophen Com-
pany, Chicago, Ill. Internal medical preparations.
290,748; Dec. 24. Class 6.

Samaha Bros., Washington, D. C. Coffee. 291,358;
Dec. 24. Class 46.

Schall & Cie, Paris, France. Empty boxes and cases.
276,459; Dec. 24. Class 2.

Schapiro & Byne, Inc., New York, N. Y. Pins and safety
pins. 291,027; Dec. 24. Class 40.

Schliff, David H., doing business as Waverly Shirt
Co., New York, N. Y. Shirts. 289,208; Dec. 24.
Class 39.

Schwartzman, Harry, doing business as Protex Products
Company, Jersey City, N. J. Sanitary paper dress
shields and metal clips for attachment to garments.
278,557; Dec. 24. Class 40.

Sexauer, J. A. Mfg. Co., Inc., New York, N. Y. Washers,
faucet cushion, and bibb washers. 282,375; Dec. 24.
Class 35.

Silverman, David, New Castle, Pa. Leather shoes.
286,661; Dec. 24. Class 39.

Simmons, George W., Corporation, New York, N. Y. Pen-
cils, pads, tablets, etc. 282,495; Dec. 24. Class 37.

Simmons, George W., Corporation, New York, N. Y. Pen-
cils, tablets, wax paper, etc. 282,497; Dec. 24. Class 37.

Simmons, George W., Corporation, New York, N. Y. Cot-
ton bandage, absorbent cotton, etc. 283,307; Dec. 24.
Class 44.

Simmons, George W., Corporation, New York, N. Y. Cot-
ton bandage, absorbent cotton, etc. 283,471; Dec. 24.
Class 44.

Smidth, F. L. & Co., New York, N. Y. Cement-making
machinery and parts thereof. 285,181; Dec. 24.
Class 23.

Snyder, Sherwood P., doing business as Snyder's Com-
munity Kitchen Co., Dayton, Ohio. Mayonnaise dress-
ing, sandwich spread, etc. 290,977; Dec. 24. Class 46.

Società Invenzioni Brevetti Anonima-Torino, Turin, Italy.
Manufactured leather. 271,777; Dec. 24. Class 50.

Società Invenzioni Brevetti Anonima-Torino, Turin, Italy.
Manufactured leather. 271,782; Dec. 24. Class 50.

Solar Products Company, Chicago, Ill. Polish. 285,535;
Dec. 24. Class 16.

Solshine Manufacturing Company, Boston, Mass. Polish.
291,802; Dec. 24. Class 4.

Southern Grocery Company, San Marcos, Tex. Coffee.
266,593; Dec. 24. Class 46.

Spratt's Patent (America) Limited, London, England.
Dog food. 292,183; Dec. 24. Class 46.

Squeeze-Ezy Mop Co., Inc., New Orleans, La. Floor mops.
292,015; Dec. 24. Class 29.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Squibbs, E. R. & Sons, New York, N. Y. Antiseptic. 292,375; Dec. 24. Class 6.

Standard-Tilton Milling Company, The, St. Louis, Mo. All varieties of flour milled from wheat. 291,843; Dec. 24. Class 46.

Sté des Oeuvres du Midi, Paris, France. Raw ochers, pigments for general use. 288,763; Dec. 24. Class 6.

Stein Moss & Company, Inc., New York, N. Y. Children's dresses. 285,048-9; Dec. 24. Class 39.

Stein, S. & Co., New York, N. Y. Woolen goods. 291,592; Dec. 24. Class 42.

Stern Brothers, New York, N. Y. Letter heads, correspondence cards, and stationery. 288,670; Dec. 24. Class 37.

Sternberg, Irving, doing business as Frenchee Chemical Co., Brooklyn, N. Y. Shoe polishes, shoe dressings, and shoe-cleaning compositions. 291,298; Dec. 24. Class 4.

Swartz, William L., doing business as The Pal, O. Mor. Co., Pittsburgh, Pa. Capsules for treating headaches. 291,745; Dec. 24. Class 6.

Teschner-Myers Co., Inc., New York, N. Y. Supplies and apparatus for laboratories. 286,141; Dec. 24. Class 26.

Thalheimer Bros., Inc., Richmond, Va. Hosiery, underwear, and lingerie. 291,181; Dec. 24. Class 39.

Thau, Charles K., doing business as The Laura Hair Novelty Co., New York, N. Y. Hair nets. 283,897; Dec. 24. Class 42.

Thornion, René, New York, N. Y. Astringents, almond meal, bleach creams, etc. 291,182; Dec. 24. Class 6.

Tilden Company, The, New Lebanon, N. Y. Medicinal preparation. 289,654; Dec. 24. Class 6.

Tilden Company, The, New Lebanon, N. Y. Deodorizers and disinfectants. 291,703; Dec. 24. Class 6.

Tolley, Howard B., Newark, N. J. Bread. 291,184; Dec. 24. Class 46.

Tragason Products Limited, Hooton, near Birkenhead, England. Vegetable mucilage. 261,846; Dec. 24. Class 5.

Tragason Products Limited, Hooton, near Birkenhead, England. Vegetable mucilage. 261,848; Dec. 24. Class 5.

Triantafyllou, Harry H., doing business as H. D. T. Company, Factors, White Plains, N. Y. Polish. 282,207; Dec. 24. Class 16.

Troy Chemical Co., Inc., Binghamton, N. Y. Liniment. 291,702; Dec. 24. Class 6.

Twin City Shellac Co., Inc., Brooklyn, N. Y. Lacquer and varnish. 290,863; Dec. 24. Class 16.

Ulmann, Bernhard, Co., Inc., New York, N. Y. Woolen yarns. 292,344; Dec. 24. Class 43.

Ultra Chemical Company, New York, N. Y. High heat resisting aluminum powder for use as paint pigment. 291,486; Dec. 24. Class 16.

Underhill, George E., doing business as C-Dar-Flo Manufacturing Co., Fort Wayne, Ind. Paint for clothes closets, chests, drawers and storage rooms for clothes and furs. 291,704; Dec. 24. Class 16.

United Fireproofing Corp., New York, N. Y. Fireproofing solutions and chemicals. 291,151-2; Dec. 24. Class 6.

United Products Company, Inc., North Chicago, Ill. Benzine soaps. 288,939-41; Dec. 24. Class 4.

Universal Solvent Company. (See Lambert, Howard B.)

Van Evera, Dewitt, Chicago, Ill. Leather covered goods and articles. 290,532; Dec. 24. Class 3.

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 290,042; Dec. 24. Class 35.

Vitalait Laboratory of California, Inc., The, Pasadena, Calif. Extract of whole ovaries and corpus luteum. 292,189; Dec. 24. Class 6.

Vulcan Match Co., Inc., New York, N. Y. Matches. 291,850-1; Dec. 24. Class 9.

Wales Novelty Corporation, New York, N. Y. Cigarette and cigar cases. 291,039; Dec. 24. Class 8.

Wampole, Henry K., and Company, Incorporated, Philadelphia, Pa. Tonic. 292,133; Dec. 24. Class 6.

Waxed Products Co., Inc., Brooklyn, N. Y. Waxed paper. 291,040; Dec. 24. Class 37.

Wayburn, Ned, Studios of Stage Dancing Inc., New York, N. Y. Leaflets, pamphlets, and booklets. 289,428; Dec. 24. Class 38.

Wayburn, Ned, Studios of Stage Dancing Inc., New York, N. Y. Publication. 289,429; Dec. 24. Class 38.

Wayland-Lloyd Co., Inc., Providence, R. I. Dyestuffs. 291,852; Dec. 24. Class 6.

Wearever Shirt Co. (See Schiffer, David H.)

Wetherbee-Gunn Co., Evanston, Ill. Gas-fuel burners. 283,022; Dec. 24. Class 34.

Wilbar's, Inc., Boston, Mass. Shoes. 290,484; Dec. 24. Class 39.

Wisconsin Farmer Company, Racine, Wis. Publication. 288,530; Dec. 24. Class 38.

Wolff, Benjamin, & Company, Chicago, Ill. Sheet steel. 290,334; Dec. 24. Class 14.

Wolverine Shoe and Tanning Corporation, The, Rockford, Mich. Shoes. 285,955; Dec. 24. Class 39.

Yavgo Line & Twine Company, Rockville, R. I. Tarred cord and halibut lines, and white cotton fishlines. 291,231; Dec. 24. Class 22.

Yuma Mesa Grapefruit Company, Yuma, Ariz. Fresh grapefruit. 288,944; Dec. 24. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 3

Bags, Beach, A. Stein & Company. 265,411; Dec. 24; Serial No. 282,322; published June 18, 1929.

Bill folds. John T. Kenter, Incorporated. 265,424; Dec. 24; Serial No. 289,465; published Oct. 15, 1929.

Bill folds, cardcases, hand bags, etc. Louis F. Dow Co. 265,407; Dec. 24; Serial No. 284,031; published Oct. 8, 1929.

Hand bags, hatboxes, trunks, etc. L. Bamberger & Co. 265,433; Dec. 24; Serial No. 288,890; published Oct. 15, 1929.

Trunks, valises, wardrobe cases, etc. Lilley Company. 265,410; Dec. 24; Serial No. 281,837; published May 28, 1929.

CLASS 4

Abrasive stones. Pike Manufacturing Co. 265,269; Dec. 24; Serial No. 288,086; published Oct. 8, 1929.

Cleaner, Metal polish, paint cleaner, etc. Hry. Cardinal Laboratories, Inc. 265,270; Dec. 24; Serial No. 285,621; published Oct. 8, 1929.

Cleaning solution. Hydrocarbon. Conli Cleaners and Dyers, Inc. 265,294; Dec. 24. Serial No. 287,283; published Oct. 8, 1929.

Dressing, Shoe. Manhattan-Kreole Products, Inc. 265,453; Dec. 24.

CLASS 5

Adhesives. Kem Products Co., Inc. 265,306; Dec. 24; Serial No. 285,274; published Oct. 8, 1929.

Cements and gums. Rubber. Fisk Rubber Company. 265,298-9; Dec. 24; Serial Nos. 287,920-1; published Oct. 8, 1929.

CLASS 6

Agent, Wetting-out. Rihm & Haas Company. 265,366; Dec. 24; Serial No. 287,899; published Oct. 1, 1929.

Anodyne, rubefacient, counterirritant, etc. E. Bonclun. 265,316; Dec. 24; Serial No. 288,448; published Oct. 8, 1929.

Bronchial elixir, croup emulsion, cold cream, etc. A. G. Reimer. 265,382; Dec. 24; Serial No. 284,996; published Oct. 8, 1929.

Cathartic preparation. Wm. S. Merrell Company. 265,310; Dec. 24; Serial No. 289,081; published Oct. 8, 1929.

Chemical compound. Goodyear Chemical Company. 265,343; Dec. 24; Serial No. 285,857; published Oct. 8, 1929.

Chemical neutralizer, powdered. Higley Chemical Company. 265,340; Dec. 24; Serial No. 286,772; published Oct. 8, 1929.

Dentifrice. Amerleann Products Company. 265,441; Dec. 24; Serial No. 275,143; published Dec. 25, 1928.

Fluid for use in removing shine from clothing. E. Pretor. 265,459; Dec. 24.

Insecticidal preparation. Miller Products Company. 265,344; Dec. 24; Serial No. 285,526; published Oct. 8, 1929.

Insecticides. Stanco Incorporated. 265,369; Dec. 24; Serial No. 287,628; published Oct. 8, 1929.

Laxatives. Tiger Drug Co., Inc. 265,339; Dec. 24; Serial No. 286,802; published Oct. 8, 1929.

Leak-stopping compounds, rust-removing compounds, soldering paste, etc. R. Fritsch. 265,331; Dec. 24; Serial No. 287,729; published Sept. 24, 1929.

Medical preparation. W. P. Hisey, Jr. 265,466; Dec. 24; Serial No. 283,817; published Oct. 8, 1929.

Medicine for chills, fever, and in grippe. Moore Drug Company. 265,330; Dec. 24; Serial No. 287,670; published Sept. 24, 1929.

Medicine for indigestion. W. E. Grant. 265,333; Dec. 24; Serial No. 288,332; published Oct. 8, 1929.

Medicines. J. G. Mason. 265,387; Dec. 24; Serial No. 280,133; published Sept. 24, 1929.

Ointment, facial cream, skin lotion, etc. Scalp. Lezah Laboratories. 265,383; Dec. 24; Serial No. 283,925; published Oct. 8, 1929.

Perfumes, toilet waters, face powders, etc. Maurice Blanchet, Parfums de Luxe, Societe Anonyme. 265,317; Dec. 24; Serial No. 288,444; published Oct. 8, 1929.

Powder. Lockwood Brackett Co. 265,329; Dec. 24; Serial No. 287,537; published Oct. 8, 1929.

Preparation for regulating the kidneys. Wm. S. Merrell Company. 265,311; Dec. 24; Serial No. 289,082; published Oct. 8, 1929.

Preparation for relieving indigestion. Wm. S. Merrell Company. 265,312; Dec. 24; Serial No. 289,083; published Oct. 8, 1929.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Preparation for skin diseases. W. B. Carroll. 265,360; Dec. 24; Serial No. 289,064; published Oct. 8, 1929.

Preparation for treating corns and callouses. W. Nowak. 265,332; Dec. 24; Serial No. 288,267; published Oct. 8, 1929.

Preparation to be used in the treatment of piles. L. Solomone. 265,328; Dec. 24; Serial No. 286,664; published Oct. 8, 1929.

Preparations to preserve wall paper. Liquid. W. H. S. Lloyd Company. 265,372; Dec. 24; Serial No. 287,417; published Oct. 8, 1929.

Tablets. Danite Company. 265,322; Dec. 24; Serial No. 288,407; published Oct. 8, 1929.

Tooth paste. K. V. Chadwick. 265,367; Dec. 24; Serial No. 287,866; published Oct. 8, 1929.

CLASS 11

Carbon paper. Continental Carbon Corporation. 265,400; Dec. 24; Serial No. 281,075; published Oct. 15, 1929.

CLASS 12

Concrete, Coating preparation for. McEverlast, Inc. 265,463; Dec. 24.

Construction materials. W. R. Meadows, Inc. 265,471; Dec. 24.

CLASS 13

Curtains, Shower. Para Rubber Company. 265,460; Dec. 24.

Tubing, Fibre. Brandywine Fibre Products Company. 265,456; Dec. 24.

CLASS 16

Enamel finish, clear varnish, and varnish stain, etc. Gloss. Re-Nu-It Corporation. 265,421; Dec. 24; Serial No. 288,434; published Oct. 15, 1929.

Paint. Aztec Paint Products Co. 265,309; Dec. 24; Serial No. 286,413; published Oct. 15, 1929.

Paint, Heat-resisting. John S. Cox & Son. 265,301; Dec. 24; Serial No. 287,284; published Oct. 15, 1929.

Paints. Benson Paint & Varnish Co. 265,416; Dec. 24; Serial No. 288,057; published Oct. 8, 1929.

Paints. Benson Paint & Varnish Co. 265,418; Dec. 24; Serial No. 288,055; published Oct. 8, 1929.

Paints. L. F. Casoff. 265,449; Dec. 24.

Paints and paint enamels. Benson Paint & Varnish Co. 265,415; Dec. 24; Serial No. 288,059; published Oct. 8, 1929.

Paints and varnishes. Eagle Paint & Varnish Works, Inc. 265,303; Dec. 24; Serial No. 287,339; published Oct. 8, 1929.

Paints, colors, and pigments, Artists'. B. K. Elliott Company. 265,423; Dec. 24; Serial No. 288,114; published Oct. 15, 1929.

Paints, varnishes, and paint enamels. General Paint Corporation. 265,296; Dec. 24; Serial No. 287,610; published Oct. 8, 1929.

Paints, varnishes, enamels, or lacquers. Sherwin-Williams Company. 265,302; Dec. 24; Serial No. 287,316; published Oct. 8, 1929.

Preparations, Liquid. W. H. S. Lloyd Company. 265,305; Dec. 24; Serial No. 287,416; published Oct. 15, 1929.

Size and wall sizing. Painter's. Benson Paint & Varnish Co. 265,417; Dec. 24; Serial No. 288,056; published Oct. 8, 1929.

CLASS 22

Exercisers. R. H. Noe. 265,405; Dec. 24; Serial No. 284,949; published Oct. 8, 1929.

Fishing reels. Enterprise Manufacturing Company. 265,377; Dec. 24; Serial No. 279,839; published Oct. 15, 1929.

Golf balls. A. G. Spalding & Bros. 265,420; Dec. 20; Serial No. 288,526; published Oct. 15, 1929.

Golf balls, clubs, bags, and tees. Raymond Trigger Co. 265,434; Dec. 24; Serial No. 288,725; published Oct. 15, 1929.

Toy rattles. C. H. Dietze, sr. 265,379; Dec. 24; Serial No. 279,148; published Oct. 15, 1929.

Toy wagons. L. D. Ellis. 265,419; Dec. 29; Serial No. 288,645; published Oct. 15, 1929.

CLASS 23

Automobile washing apparatus. W. W. Hawkins. 265,399; Dec. 24; Serial No. 281,831; published Oct. 15, 1929.

Blades, Razor. E. R. Squibb & Sons. 265,320; Dec. 24; Serial No. 288,732; published Oct. 8, 1929.

Carburetors, air cleaners, and handlebar-control mechanism. Amalgamated Carburetors Limited. 265,445; Dec. 24; Serial No. 271,790; published Oct. 15, 1929.

Fountains, Soda. I. Fischman & Sons. 265,438; Dec. 24; Serial No. 268,862; published Oct. 8, 1929.

Gears, splines, and lapping and honing machines. Gear Processing, Inc. 265,398; Dec. 24; Serial No. 282,234; published Oct. 15, 1929.

Hammers, axes, hatchets, etc. Canada Foundries & Forgings Limited. 265,386; Dec. 24; Serial No. 280,220; published Oct. 8, 1929.

Machines for cutting designs. Ribbon-Miter Machine Company. 265,455; Dec. 24.

Mills for making pulp. Bauer Brothers Company. 265,464; Dec. 24.

Tools, Hand. Crown Cork & Seal Company. 265,345-6; Dec. 24; Serial Nos. 285,197-8; published Oct. 8, 1929.

Vending machines, Merchandise. Vendola Corporation. 265,334; Dec. 24; Serial No. 288,444; published Oct. 8, 1929.

CLASS 26

Assorting and counting machines. Coin. Standard-Johnson Company. 265,440; Dec. 24; Serial No. 276,278; published Oct. 8, 1929.

Measuring instruments, Electrical. Supreme Instrument Corporation. 265,397; Dec. 24; Serial No. 282,621; published Oct. 15, 1929.

Screen, Motion-picture. M. B. Martino. 265,469; Dec. 24.

Thermostats, Balancing. Balanstat Corporation. 265,318; Dec. 24; Serial No. 288,543; published Oct. 8, 1929.

CLASS 27

Clocks. B. A. Schiff. 265,361; Dec. 24; Serial No. 288,728; published Oct. 15, 1929.

Watches, watchcases, clock movements, and sundials. J. P. Le Godais. 265,401; Dec. 24; Serial No. 279,796; published Oct. 15, 1929.

Watches, Wrist. Westfield Watch Company. 265,362; Dec. 24; Serial No. 288,682; published Oct. 15, 1929.

CLASS 29

Cleaners, Windshield. Clinch Manufacturing Corporation. 265,444; Dec. 24; Serial No. 271,877; published Oct. 15, 1929.

Toothbrushes. Cutino Company. 265,356; Dec. 24; Serial No. 289,390; published Oct. 15, 1929.

Toothbrushes. Depyro Laboratories. 265,357; Dec. 24; Serial No. 289,345; published Oct. 15, 1929.

CLASS 32

Mattresses. Stearns & Foster Company. 265,358; Dec. 24; Serial No. 289,212; published Oct. 8, 1929.

Mattresses, bed springs, cots, etc. Tru-Rest Bedding Company. 265,359; Dec. 24; Serial No. 289,091; published Oct. 8, 1929.

Window-shade rollers. Clinch Manufacturing Corporation. 265,443; Dec. 24; Serial No. 271,879; published Oct. 8, 1929.

CLASS 34

Ranges, Gas. Great Western Stove Company. 265,468; Dec. 24.

Stove-oven grid and tray operating appliances, Cooking. Auto-Oven, Inc. 265,470; Dec. 24.

Stovepipes. Reeves Manufacturing Company. 265,434; Dec. 24.

Wicks and flints, Cigar and cigarette lighter. A. Goodman. 265,385; Dec. 24; Serial No. 281,661; published Sept. 24, 1929.

CLASS 35

Packing, Machine. New Jersey Asbestos Company. 265,452; Dec. 24.

Rings, Piston. E. J. Budlong. 265,448; Dec. 24; Serial No. 269,040; published Oct. 8, 1929.

Tires and inner tubes, Pneumatic. New England Mills Co. 265,446; Dec. 24; Serial No. 271,499; published Oct. 1, 1929.

Tires and inner tubes therefor, Vehicle. Northern Rubber Company. 265,264; Dec. 24; Serial No. 289,243; published Oct. 8, 1929.

CLASS 37

Cardboards, Bristol boards, and index Bristols. Seaman Paper Company. 265,279; Dec. 24; Serial No. 287,364; published Oct. 8, 1929.

Crayons, pencils, pens, etc. Societe Anonyme Crayons Conte. 265,281; Dec. 24; Serial No. 287,374; published Oct. 8, 1929.

Paper, Bond. Oregon Pulp and Paper Company. 265,273-7; Dec. 24; Serial Nos. 286,260-4; published Oct. 8, 1929.

Paper, Bond. Oregon Pulp and Paper Company. 265,288; Dec. 24; Serial No. 286,269; published Oct. 8, 1929.

Paper, Bond. Oregon Pulp and Paper Company. 265,318-15; Dec. 24; Serial Nos. 286,270-2; published Oct. 8, 1929.

Paper, Printing and writing. Perfect Safety Paper Company. 265,272; Dec. 24; Serial No. 286,190; published Oct. 8, 1929.

Paper towels. Crown Zellerbach Corporation. 265,402; Dec. 24; Serial No. 284,446; published Oct. 8, 1929.

Paper, Waxed. Economy Paper Company. 265,284; Dec. 24; Serial No. 287,575; published Oct. 8, 1929.

Papers. Seaman Paper Company. 265,280; Dec. 24; Serial No. 287,370; published Oct. 8, 1929.

Pencils. Dur-O-Lite Pencil Company. 265,286-7; Dec. 24; Serial Nos. 287,699-700; published Oct. 8, 1929.

Pencils, Refillable. Dur-O-Lite Pencil Company. 265,404; Dec. 24; Serial No. 279,837; published Oct. 8, 1929.

Pens, Fountain. J. M. Hood. 265,295; Dec. 24; Serial No. 287,349; published Oct. 8, 1929.

Slates, Art. Lewis E. Myers & Company. 265,282; Dec. 24; Serial No. 287,834; published Oct. 8, 1929.

CLASS 38

Cartoons, Series of. G. R. Gonid. 265,293; Dec. 24; Serial No. 287,067; published Oct. 8, 1929.

Comic strips. R. G. Lindsay. 265,278; Dec. 24; Serial No. 287,352; published Oct. 8, 1929.

Directory. G. Spiegelman. 265,285; Dec. 24; Serial No. 287,675; published Oct. 8, 1929.

Magazine, Crowell Publishing Company, 265,291; Dec. 24; Serial No. 286,718; published Oct. 8, 1929.
 Magazine, Parents' Publishing Association, Inc., 265,351; Dec. 24; Serial No. 288,620; published Oct. 8, 1929.
 Magazine, newspaper, bulletin, or journal, San Francisco Stock Exchange Institute, 265,355; Dec. 24; Serial No. 288,089; published Oct. 8, 1929.
 Magazines, J. W. Lowrie, 265,349; Dec. 24; Serial No. 288,713; published Oct. 8, 1929.
 Magazines, Sugarland Industries, 265,289; Dec. 24; Serial No. 286,460; published Oct. 8, 1929.
 Newspaper articles, Associated Press, 265,348; Dec. 24; Serial No. 288,774; published Oct. 8, 1929.
 Newspaper, heading for an annual section of a, Houston Printing Company, 265,403; Dec. 24; Serial No. 283,871; published Oct. 8, 1929.
 Newspapers, Adventure strip for, National Newspaper Service, 265,462; Dec. 24.
 Newspapers, sections of, S. F. Seidler, 265,352-3; Dec. 24; Serial Nos. 288,487-8; published Oct. 8, 1929.
 Newspapers, sections or columns of daily, Boston Publishing Company, 265,256; Dec. 24; Serial No. 287,448; published Oct. 8, 1929.
 Pamphlets, booklets, catalogs, and brochures, S. S. Alhburts, 265,271; Dec. 24; Serial No. 285,841; published Oct. 8, 1929.
 Periodical, Lionel Trading Co. Inc., 265,354; Dec. 24; Serial No. 288,200; published Oct. 8, 1929.
 Periodical, Publishers' Fiscal Corporation, 265,290; Dec. 24; Serial No. 286,503; published Oct. 8, 1929.
 Periodical, Shade Publishing Company, 265,338; Dec. 24; Serial No. 288,929; published Oct. 8, 1929.
 Periodical, United States Daily Publishing Corporation, 265,292; Dec. 24; Serial No. 287,929; published Oct. 8, 1929.
 Printed articles, A. R. Cuneco, 265,283; Dec. 24; Serial No. 288,534; published Oct. 8, 1929.
 Publication, American Veterinary Medical Association, 265,347; Dec. 24; Serial No. 288,895; published Oct. 8, 1929.
 Publication, R. C. Karlovic, 265,350; Dec. 24; Serial No. 288,710; published Oct. 8, 1929.
 Publication, Today in New York, 265,268; Dec. 24; Serial No. 287,892; published Oct. 8, 1929.

CLASS 39

Aprons and dresses, Long & Schuman Company, 265,336; Dec. 24; Serial No. 287,484; published Oct. 15, 1929.
 Aprons, infants' rubber, Hoover Open-Face Infant Sanitary Apron Company, 265,335; Dec. 24; Serial No. 286,725; published Oct. 8, 1929.
 Boots and shoes, Hartt Boot and Shoe Company Limited, 265,373; Dec. 24; Serial No. 287,411; published Oct. 8, 1929.
 Caps, men's and boys', J. Goldstein, 265,342; Dec. 24; Serial No. 286,450; published Oct. 8, 1929.
 Chemises, nightgowns, pajamas, etc., Patrician Petticoat Co. Inc., 265,259; Dec. 24; Serial No. 288,035; published Oct. 8, 1929.
 Clothes, work, Crawford-Austin Manufacturing Company, 265,257; Dec. 24; Serial No. 287,561; published Oct. 15, 1929.
 Clothing and furnishings, men's and boys', Rossman, Inc., 265,392; Dec. 24; Serial No. 278,810; published Oct. 8, 1929.
 Clothing, men's and boys', E. M. Kahn & Company, 265,254; Dec. 24; Serial No. 286,371; published Oct. 8, 1929.
 Coats and suits, women's, Wertheimer-Woldenberg Co., 265,266; Dec. 24; Serial No. 285,314; published Oct. 15, 1929.
 Coats, frocks, skirts, dresses, women's, J. Hinder, 265,261; Dec. 24; Serial No. 288,189; published Oct. 15, 1929.
 Coats, sport coats, skating coats, etc., S. M. Polans Co., 265,390; Dec. 24; Serial No. 283,218; published Oct. 8, 1929.
 Coats, vests, trousers, etc., Shirek & Hirsch, Incorporated, 265,326; Dec. 24; Serial No. 288,984; published Oct. 15, 1929.
 Coats, women's, H. Appel, 265,260; Dec. 24; Serial No. 288,160; published Oct. 8, 1929.
 Cuff protectors, Manning & Manning, 265,393; Dec. 24; Serial No. 278,652; published Oct. 8, 1929.
 Dresses, General Apparel Corporation of America, 265,323; Dec. 24; Serial No. 288,956; published Oct. 15, 1929.
 Gloves, Lillenthal & Grossman, Inc., 265,461; Dec. 24.
 Gloves, cotton-canvas work, J. C. Penney Company, 265,376-1; Dec. 24; Serial Nos. 287,589-90; published Oct. 8, 1929.
 Hats, Bronston Bros. & Co., 265,363-4; Dec. 24; Serial No. 288,007-8; published Oct. 8, 1929.
 Hats, National Panama Hat Company, 265,341; Dec. 24; Serial No. 286,467; published Oct. 8, 1929.
 Hats, caps, and berets, Bronston Bros. & Co., 265,365; Dec. 24; Serial No. 288,004; published Oct. 8, 1929.
 Hosiery, Slane Hosiery Mills Inc., 265,327; Dec. 24; Serial No. 289,133; published Oct. 15, 1929.
 Hosiery, Varsity Hosiery Corporation, 265,391; Dec. 24; Serial No. 282,961; published Oct. 15, 1929.
 Jackets and work shirts, Sweet-Orr & Co. Inc., 265,321; Dec. 24; Serial No. 288,769; published Oct. 8, 1929.
 Pants, overalls, shirts, etc., Miller Brothers, 265,267; Dec. 24; Serial No. 286,188; published Oct. 8, 1929.

Shirts, blouses, and windbreakers, H. D. Bob Company Inc., 265,263; Dec. 24; Serial No. 288,514; published Oct. 15, 1929.
 Shirts, men's dress, Cooper-Tritt Co., 265,262; Dec. 24; Serial No. 288,227; published Oct. 15, 1929.
 Shirts, negligee, Susquehanna Shirt Company, 265,414; Dec. 24; Serial No. 288,072; published Oct. 8, 1929.
 Shirts, pajamas, and underwear, Lebanon Shirt Company, 265,442; Dec. 24; Serial No. 273,771; published Feb. 5, 1929.
 Shoes, S. Zezblatt, 265,457; Dec. 24.
 Shoes, leather, C. L. Bower, 265,368; Dec. 24; Serial No. 287,790; published Oct. 8, 1929.
 Stockings, Berkshire Knitting Mills, 265,319; Dec. 24; Serial No. 288,545; published Oct. 15, 1929.
 Stockings, Mission Hosiery Mills, 265,447; Dec. 24; Serial No. 270,675; published Sept. 25, 1928.
 Stockings, silk, Frank Rubenstein & Co., 265,324; Dec. 24; Serial No. 288,982; published Oct. 8, 1929.
 Stockings, silk, Frank Rubenstein & Co., 265,325; Dec. 24; Serial No. 288,983; published Oct. 8, 1929.
 Suits, coats, vests, and trousers, L. H. Manko, 265,265; Dec. 24; Serial No. 285,031; published Oct. 15, 1929.
 Suits, play, Interstate Factories, Inc., 265,389; Dec. 24; Serial No. 284,266; published Oct. 15, 1929.
 Tann o' shanters and berets, Anderson & Writter Corp., 265,394; Dec. 24; Serial No. 284,553; published Oct. 8, 1929.
 Ties, neckscarfs, and mufflers, C. E. Stocks, 265,388; Dec. 24; Serial No. 284,876; published Oct. 15, 1929.
 Trousers, suits, overcoats, etc., Kline Brothers Co., 265,255; Dec. 24; Serial No. 286,572; published Oct. 8, 1929.
 Wear, infants', R. Rosen, 265,258; Dec. 24; Serial No. 287,945; published Oct. 8, 1929.
 Wearing apparel, outer, Lawrence, Inc., 265,337; Dec. 24; Serial No. 287,534; published Oct. 8, 1929.

CLASS 40

Marcel Irons, hair-curling irons, paper curlers, etc., R. F. Products Corporation, 265,375; Dec. 24; Serial No. 286,953; published Oct. 8, 1929.

CLASS 42

Carpets, wool, Alexander Smith & Sons Carpet Company, 265,458; Dec. 24.
 Cotton piece goods, J. L. Stifel & Sons, 265,451; Dec. 24; Serial No. 283,824; published Aug. 6, 1929.
 Fabrics in the piece, Pile, E. F. Timme & Son, 265,395; Dec. 24; Serial No. 283,824; published Aug. 6, 1929.
 Rugs, National Rug & Hammock Mills, 265,439; Dec. 24; Serial No. 243,276; published Oct. 8, 1929.
 Silks, dress, Bloomsburg Silk Mill, 265,437; Dec. 24; Serial No. 264,555; published Nov. 6, 1928.

CLASS 43

Yarn, rayon, Viscose Company, 265,436; Dec. 24; Serial No. 262,878; published Oct. 30, 1928.

CLASS 44

Belt, combined sanitary, F. C. Spencer, 265,412; Dec. 24; Serial No. 281,705; published Oct. 8, 1929.
 Electric therapeutic device, Ultra-Violet Generator Corporation, 265,431; Dec. 24; Serial No. 288,938; published Oct. 8, 1929.
 Foot appliances, corrective, Wizard Lightfoot Appliance Company, 265,304; Dec. 24; Serial No. 287,393; published Oct. 8, 1929.
 Gas masks, Deutsche Gasluhthleht-Auer-Gesellschaft mit beschraenkter Haftung, 265,426; Dec. 24; Serial No. 289,346; published Oct. 15, 1929.
 Medicated handkerchief, Witherell & Broome, 265,430; Dec. 24; Serial No. 289,057; published Oct. 8, 1929.
 Metal for swaged base dentures, Baker & Company, 265,429; Dec. 24; Serial No. 289,095; published Oct. 15, 1929.
 Sanitary belts, Kotex Company, 265,413; Dec. 24; Serial No. 280,260; published Oct. 15, 1929.

CLASS 45

Beverages and syrup, extracts, and concentrates for making the same, Mallless, Geo. Rasmussen Co., 265,435; Dec. 24; Serial No. 261,300; published Oct. 8, 1929.

CLASS 46

Bakery products, H. G. Cubbison, 265,406; Dec. 24; Serial No. 284,447; published Oct. 15, 1929.
 Bran, mixed feed, dairy feeds, etc., Wheat, Saxony Mills, 265,428; Dec. 24; Serial No. 289,131; published Oct. 8, 1929.
 Bread, H. Dreyer, 265,376; Dec. 24; Serial No. 280,226; published Oct. 15, 1929.
 Bread, Peoples Pastry & Baking Co., 265,427; Dec. 24; Serial No. 289,246; published Oct. 8, 1929.
 Bread, A. H. Sanden, 265,381; Dec. 24; Serial No. 277,223; published Oct. 15, 1929.
 Cake, honey, Ch. Demel's Söhne, 265,307; Dec. 24; Serial No. 285,550; published Oct. 15, 1929.
 Canned corn, W. C. Pressing Canning Co., 265,396; Dec. 24; Serial No. 283,767; published June 25, 1929.
 Canned olives, Lindsay Ripe Olive Company, 265,465; Dec. 24.
 Canned peaches, Pomona Products Company, 265,467; Dec. 24.

Cereal breakfast food, Maizo Wheat Company, 265,422; Dec. 24; Serial No. 288,243; published Oct. 8, 1929.
 Crackers or biscuits, Wheatworth, Inc., 265,297; Dec. 24; Serial No. 287,726; published Oct. 15, 1929.
 Extracts, M. Paul, 265,450; Dec. 24.
 Flour, City Mills Company, 265,378; Dec. 24; Serial No. 279,533; published Oct. 15, 1929.
 Flour, wheat, Northland Milling Company, 265,300; Dec. 24; Serial No. 286,792; published Oct. 15, 1929.
 Flour, wheat, Plant Flour Mills Company, 265,423; Dec. 24; Serial No. 289,417; published Oct. 15, 1929.
 Grains and pearl grits, Chicken scratch, Kalmbach-Burkett Co. Inc., 265,409; Dec. 24; Serial No. 283,568; published Oct. 8, 1929.

Meal scraps, chicken mash, and bone meal, Packer Products Company, 265,308; Dec. 24; Serial No. 286,073; published Oct. 8, 1929.
 Pies, S. Grumpert Co. Inc., 265,408; Dec. 24; Serial No. 283,610; published Oct. 8, 1929.
 Rice, Southern Rice Sales Company, 265,432; Dec. 24; Serial No. 288,930; published Oct. 8, 1929.
 Tomato catsup, canned tomato concentrate, pork and beans, and vegetables, Edward V. Stockham, Inc., 265,374; Dec. 24; Serial No. 287,023; published Oct. 8, 1929.
 Wheat, grayshirts, poultry feeds, and grain meal, Rosedale Milling Company, 265,380; Dec. 24; Serial No. 277,555; published Oct. 15, 1929.

ALPHABETICAL LIST OF LABELS

A. W. Tedenstle Co. For Boxes, Hoague-Sprague Corporation, 36,798; Dec. 24.
 Abraham and Straus, Inc. For Boxes, Hoague-Sprague Corporation, 36,783; Dec. 24.
 Arch Shoe, For Boxes, Hoague-Sprague Corporation, 36,795; Dec. 24.
 Art Shoe, For Boxes, Hoague-Sprague Corporation, 36,782; Dec. 24.
 B. S. Co. For Boxes, Hoague-Sprague Corporation, 36,781; Dec. 24.
 Beauty Girl Products, For Cream Cheese, North Platte Valley Co-Operative Cheese Company, 36,809; Dec. 24.
 D. M. Co. For Boxes, Hoague-Sprague Corporation, 36,778; Dec. 24.
 D. S. Co. For Boxes, Hoague-Sprague Corporation, 36,774; Dec. 24.
 Davis Shoes, For Boxes, Hoague-Sprague Corporation, 36,776; Dec. 24.
 Defiance Coffee, For Coffee, Jobbers Service Incorporated, 36,807; Dec. 24.
 Defiance Sweet Corn, For Canned Corn, Jobbers Service Incorporated, 36,804; Dec. 24.
 Defiance Sweet Peas, For Canned Peas, Jobbers Service Incorporated, 36,806; Dec. 24.
 Defiance Tomatoes, For Canned Tomatoes, Jobbers Service Incorporated, 36,805; Dec. 24.
 Dr. Scholl's Foot-Bath Soap, Medicated, For Cake Soap, Scholl Mfg. Co., 36,816; Dec. 24.
 Dromedary Dates (Baked in Sunshine—Nut Stuffed), For Dates, Hills Brothers Company, 36,767; Dec. 24.
 Essex Shoe Co. For Boxes, Hoague-Sprague Corporation, 36,796; Dec. 24.
 Fleischmann's Yeast, For Yeast, Standard Brands Incorporated, 36,817; Dec. 24.
 Foot-Craft, For Boxes, Hoague-Sprague Corporation, 36,790; Dec. 24.
 Gillett-Upton Inc. For Boxes, Hoague-Sprague Corporation, 36,780; Dec. 24.
 Glame, For a Medicinal Tablet, G. M. Rentz, 36,814; Dec. 24.
 Goodman's, For Pure Matzoth Meal, A. Goodman & Sons, Inc., 36,765; Dec. 24.
 Goodman's, For Potato Starch, A. Goodman & Sons, Inc., 36,766; Dec. 24.
 H. E. Ackerman, For Boxes, Hoague-Sprague Corporation, 36,797; Dec. 24.
 H. E. S. & Son Inc. For Boxes, Hoague-Sprague Corporation, 36,779; Dec. 24.
 Hilt's Racketeer Rainbow Flash Grenades, For Rainbow Flash Grenades, Hilt Flasheracka Company, 36,773; Dec. 24.
 Hilt's Racketeer Tricolor Flash Grenades, For Tricolor Flash Grenades, Hilt Flasheracka Company, 36,772; Dec. 24.
 Indian Island Grapefruit, For Grapefruit, Hills Brothers Company, 36,769; Dec. 24.
 Jersey Sun Shine Eggs, For Eggs, H. M. Carrell, 36,763; Dec. 24.
 Karron Bread, For Bread, Par-X Service Corporation, 36,812; Dec. 24.

L. M. F. For Boxes, Hoague-Sprague Corporation, 36,803; Dec. 24.
 Maxphil, For Boxes, Hoague-Sprague Corporation, 36,799; Dec. 24.
 McQuay-Norris Double Ventilated Superoyl Rings, For Piston Rings, McQuay-Norris Manufacturing Company, 36,808; Dec. 24.
 Merchants Shoe Co. For Boxes, Hoague-Sprague Corporation, 36,788; Dec. 24.
 Metropolitan Root Shop, For Boxes, Hoague-Sprague Corporation, 36,784; Dec. 24.
 Milner's, For Boxes, Hoague-Sprague Corporation, 36,802; Dec. 24.
 Nutrine Quality Candles, For Candy, Nutrine Candy Company, 36,811; Dec. 24.
 Pommeretts, For Boxes, Hoague-Sprague Corporation, 36,800; Dec. 24.
 Primrose Grapefruit, For Grapefruit, Hills Brothers Company, 36,770; Dec. 24.
 Princess, For Boxes, Hoague-Sprague Corporation, 36,775; Dec. 24.
 Prosperity Shoe Co. Inc. For Boxes, Hoague-Sprague Corporation, 36,793; Dec. 24.
 Reisman, Glass, Fitzgerald, For Boxes, Hoague-Sprague Corporation, 36,786; Dec. 24.
 Rhine Malt, For Malt Syrup, L. A. Podesta, 36,813; Dec. 24.
 Rico Grapefruit, For Grapefruit, Hills Brothers Company, 36,768; Dec. 24.
 Roblin's \$5.00 Shoe Store, For Boxes, Hoague-Sprague Corporation, 36,801; Dec. 24.
 Royal Taste, For Fresh Oranges, Norwood & McCormick, 36,810; Dec. 24.
 Saks, For Boxes, Hoague-Sprague Corporation, 36,785; Dec. 24.
 Savigne Salted Nuts, Nut-Butter Toasted, For Nuts, General Nut Co., 36,764; Dec. 24.
 Shoes of Character, For Boxes, Hoague-Sprague Corporation, 36,794; Dec. 24.
 Snappy Arch, For Boxes, Hoague-Sprague Corporation, 36,787; Dec. 24.
 Socley Brand, For Mayonnaise, Becks Produce Co. Inc., 36,762; Dec. 24.
 Spray, For a Liquid Insecticide, Rose City Chemical Company, 36,815; Dec. 24.
 Superior Arch, For Boxes, Hoague-Sprague Corporation, 36,789; Dec. 24.
 Superior Gen-Sen Root and Herb Compound, For Medicinal Preparation for Stomach, Liver, Kidneys, and Bowels, Superior Laboratories, Inc., 36,818; Dec. 24.
 Susu Salted Nuts, Nut-Butter Toasted, For Nuts, Susu Nut Company, 36,819; Dec. 24.
 The Globe Shoe Co. For Boxes, Hoague-Sprague Corporation, 36,792; Dec. 24.
 The Hasson Shoe, For Boxes, Hoague-Sprague Corporation, 36,777; Dec. 24.
 The Mabley & Carew Co. For Boxes, Hoague-Sprague Corporation, 36,791; Dec. 24.
 Zest Grapefruit, For Grapefruit, Hills Brothers Company, 36,771; Dec. 24.

ALPHABETICAL LIST OF PRINTS

At Each Turn of the Wrist, For Hand Stamps and Supplies, Multistamp Co., 12,269; Dec. 24.
 Black & White Candy Co. For Candles, Black & White Candy Co., 12,263; Dec. 24.
 So Natural—You Forget It's Radio, For Radios, Balkett Radio Company, 12,262; Dec. 24.
 The New Vogue of Les Parfums Coty (for Hours of Splendid Fragrance Supremely Kept to the Occasion), For Perfumes, Coty, Inc., 12,266; Dec. 24.
 The New Vogue of Les Parfums Coty (for Nights of Gaiety Fragrance Symphonizing with Every Diversion of the Chic World), For Perfumes, Coty, Inc., 12,267; Dec. 24.

The New Vogue of Les Parfums Coty (in Rhythm with the Dance Fragrance Smartly Timed to Each Diversion), For Perfumes, Coty, Inc., 12,265; Dec. 24.
 The New Vogue of Les Parfums Coty (Nights of Delight Fragrance Accentuating the Theme of Every Smart Diversion), For Perfumes, Coty, Inc., 12,264; Dec. 24.
 The New Vogue of Les Parfums Coty (Nights of Smart Brilliance, Fragrance Sounding the Note of Chic Activities), For Perfumes, Coty, Inc., 12,268; Dec. 24.
 What's This Talk About Tone? For Radios, Balkett Radio Company, 12,261; Dec. 24.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-breaker system. 1,740,531; Dec. 24.
- Abolin, Harry T., Hasbrouck Heights, assignor to Lin-crusta-Walton Company, Hackensack, N. J. Wall covering or similar article of manufacture in sheet form. Des. 80,153; Dec. 24.
- Adam, Alex J., San Antonio, Tex. Valve mechanism. 1,741,090; Dec. 24.
- Adam, Auguste E., Wimereux, France. Headlight-turning means for vehicles. 1,740,913; Dec. 24.
- Adams, Louis M., Los Angeles, Calif. Rail support. 1,741,005; Dec. 24.
- Aello, José, Villa Frontera, Coahuila, Mexico. Railway truck. 1,740,914; Dec. 24.
- Aeromotor Company. (See Scholes, Daniel R., assignor.)
- Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Compensation for phase variations. 1,740,491; Dec. 24.
- Agler, Anthony W., Los Angeles, Calif. Joint construction for metal plating of airships. 1,740,492; Dec. 24.
- Agnew, Norman F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swisvale, Pa. Measuring of time intervals. 1,741,006; Dec. 24.
- Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,740,553; Dec. 24.
- Altken, William, London, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Graded finder system. 1,740,559; Dec. 24.
- Aktiebolaget Carba. (See Tandberg, John G., assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Ljungström, F., Broberg, and Eriksson, assignors.)
- Allenou, Charles M. V., Nantes, France. Safety device for avoiding back-firing in carburetors. 1,740,760; Dec. 24.
- Allgemeine Elektrizitäts-Gesellschaft. (See Gudegast, Hermann, assignor.)
- Altorfer, Alpheus W., Peoria, Ill. Washing machine. 1,740,938; Dec. 24.
- Alvarado, Guillermo E. (See Grosser, Hans, assignor.)
- Alvey-Ferguson Company, The. (See Burnham, M. U., Argabrite, and Dionne, assignors.)
- American Brass Company, The. (See Lowe, William, assignor.)
- American Cast Iron Pipe Co. (See Barr, C. D., and Moore, assignors.)
- American Cast Iron Pipe Co. (See Moore, William D., assignor.)
- American Flyer Mfg. Co. (See Cuff, James E., assignor.)
- American Machine & Foundry Company. (See Carpenter, Edwin P., assignor.)
- American Machine & Foundry Company. (See Farmer, Fred, assignor.)
- American Machine & Foundry Company. (See Klein, Maximilian, assignor.)
- American Machine & Foundry Company. (See Knudsen, Knud N., assignor.)
- American Machine & Foundry Company. (See Leary, James W., assignor.)
- American Safety Device Co. (See Pitou, Eugene, assignor.)
- American Steam Pump Company. (See Barton, Ben D., assignor.)
- American Stove Company. (See Brodbeck, Almer H., assignor.)
- American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
- American Telephone and Telegraph Company. (See Herman, J., and Wright, assignors.)
- American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
- American Ticket Scale Company, The. (See Slezak, Vincent F., assignor.)
- Anderson, Alexander C. (See Bourke, R. L., and Anderson.)
- Anderson, David E., St. Paul, Minn. Producing fillers for railroad frogs. 1,740,720; Dec. 24.
- Andrews, Lawrence W. (See Zarate, Paul, Jr., assignor.)
- Andrews, Philip R., Seattle, Wash. Metal oar. 1,740,560; Dec. 24.
- Animated-Ads (A/Sia) Proprietary Limited. (See Blake, Ernest E., assignor.)
- Antikolor Mfg. Co. Inc., The. (See Walte, Ralph B., assignor.)
- Appelman, Boyd K., Beaumont, Tex. Well-drilling tool. 1,740,915; Dec. 24.
- Archer, Thomas P., and J. B. Flynn, assignors to Ternstedt Manufacturing Co., Detroit, Mich. Door bumper. 1,740,939; Dec. 24.
- Argabrite, George M. (See Burnham, M. U., Argabrite, and Dionne.)
- Ashton, Ralph E., Arvada, Colo. Gear-shift-lever guide. 1,740,916; Dec. 24.
- Asquith, Stead A., Los Angeles, Calif. Metal-working machine. 1,740,721; Dec. 24.
- Augenstein, Karl C., Cranston, assignor to Automatic Gold Chain Co., Providence, R. I. Band chain. 1,740,885; Dec. 24.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Yielding joint for insulators and the like. 1,740,638; Dec. 24.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Coating and heat treating. 1,740,639; Dec. 24.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electric switch. 1,740,640; Dec. 24.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Pole top pin for multiple construction. 1,740,641; Dec. 24.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,740,642; Dec. 24.
- Automatic Electric Inc. (See Altken, William, assignor.)
- Automatic Gold Chain Co. (See Augenstein, Karl C., assignor.)
- Avery, W. & T. Limited. (See Taylor, John W., assignor.)
- Avery, W. & T. Limited. (See Timson, William, assignor.)
- Ayer, John P., Portland, Me. Submarine rescue apparatus. 1,740,532; Dec. 24.
- B. O. T. Mfg. Co. (See Tilden, Bert O., assignor.)
- Bair, Robert M., Hummelstown, Pa. Coaching and aiming apparatus for firearms. 1,740,561; Dec. 24.
- Baker-Raulang Company, The. (See Remde, Edward H., assignor.)
- Baker, Thomas W. (See Magee, Frederick W., assignor.)
- Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Multunit printing machine. 1,741,122; Dec. 24.
- Banfield, Thomas H., Portland, Oreg. Casing for coal-burning stokers. Des. 80,159; Dec. 24.
- Barr, Clarence D. and W. D. Moore, assignors to American Cast Iron Pipe Co., Birmingham, Ala. Hot-blast cupola. 1,740,886; Dec. 24.
- Barrows, Donald S., Rochester, N. Y., and B. W. Kadel, Baltimore, Md., assignors to The Symington Company, New York, N. Y. Side frame. 1,740,562; Dec. 24.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Side frame. 1,740,563; Dec. 24.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Side frame. 1,740,564; Dec. 24.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Side frame. 1,740,565; Dec. 24.
- Bartels, Edward E., assignor to Standard Oil Company, Whiting, Ind. Conversion of hydrocarbon oils. 1,741,045; Dec. 24.
- Bartelson, John L., Claremont, N. H., assignor to Sullivan Machinery Corporation. Fluid-pressure motor. 1,740,676; Dec. 24.
- Bartlett Hayward Company, The. (See Meyer, Henry C. A., assignor.)
- Bartley, Iliam J., St. Catharines, Ontario, Canada. Storage-battery construction. 1,741,046; Dec. 24.
- Barton, Ben D., assignor to American Steam Pump Company, Battle Creek, Mich. Power attachment for motor vehicles. Re17,537; Dec. 24.
- Barton, Ben D., assignor to American Steam Pump Company, Battle Creek, Mich. Power attachment for motor vehicles. Re17,538; Dec. 24.
- Bass, Rubin, Brooklyn, N. Y. Garment holder. 1,740,643; Dec. 24.
- Bassett Metal Goods Company, The. (See Russ, John B., assignor.)
- Batts, Walter H., Grand Rapids, Mich. Garment hanger. 1,740,566; Dec. 24.
- Bauch, Richard, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Electrical distribution system. 1,740,447; Dec. 24.
- Baxter, Harold G., Baldwin, and F. von Hoorn, Brooklyn, N. Y., assignors to Westinghouse Electric & Manufacturing Company. Electric switch. 1,740,533; Dec. 24.
- Razzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,740,448; Dec. 24.

Biquard, Robert, Neuilly-sur-Seine, France. Device for determining defects in the static and dynamic balances of rotating bodies. 1,740,762; Dec. 24.
 Birdsey, Charles R., Hinsdale, and F. A. Manske, Chicago, Ill. Plaster-board-joint reinforcement. 1,740,493; Dec. 24.
 Beacon Steel Furniture Co. (See Clarin, Werner E., assignor.)
 Bead Chain Manufacturing Company, The. (See McCretton, George, assignor.)
 Beasley, Walton M., et al. (See Todd, John N., Jr., assignor.)
 Beaumont, R. H., Company. (See Beaumont, Robert H., assignor.)
 Beaumont, R. H., Company. (See Oettle, Harry B., assignor.)
 Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Storage and reclaiming system. 1,740,722; Dec. 24.
 Beck, Howard, Pocahontas, assignor of nine-tenths to M. Hurbough, Bliss, Idaho. Carburetor for internal-combustion engines. 1,740,917; Dec. 24.
 Becker, Mathias B., Chicago, Ill. Draft regulator for heating plants. 1,740,567; Dec. 24.
 Bell, William R., Terre Haute, Ind. Sectional sign or poster board. 1,740,534; Dec. 24.
 Bell, William T., Lincoln County, and F. J. Bretherton, London, England. Mechanically-propelled vehicle. 1,741,091; Dec. 24.
 Benjamin Electric Manufacturing Company. (See Phillips, Paul D., assignor.)
 Benjamin Electric Mfg. Co. (See Wilson, Wesley, assignor.)
 Bennett, Azzel C., assignor to Gifford-Wood Company, Hudson, N. Y. Conveyor bucket and closing the same. 1,741,123; Dec. 24.
 Berger Manufacturing Company. (See Vignos, Paul, assignor.)
 Bergeron, Arthur, and O. Boutin, Lawrence, Mass. Pickersick check. 1,741,047; Dec. 24.
 Berry, Francois J. B., Lille, France. Machine for rock or coal cutting. 1,740,761; Dec. 24.
 Berry, Melvin C., Washington, D. C. Convertible article of furniture. 1,741,048; Dec. 24.
 Bettini, Gianni, New York, N. Y. Portable lighter. 1,740,568; Dec. 24.
 Bettison, David C., Omaha, Nebr. Electrical apparatus. 1,741,007; Dec. 24.
 Beusch, Willi, Zug, Switzerland, assignor to Landis & Gyr A.-G. Induction meter. 1,740,580; Dec. 24.
 Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Slider-operated fastener and means for assembling and aligning the elements. 1,740,763; Dec. 24.
 Blair, Robert S., Stamford, Conn. Moving-picture apparatus. 1,740,677; Dec. 24.
 Blake, Ernest E., Coburg, Victoria, assignor, by mesne assignments, to Animated-Ads (A/Sia) Proprietary Limited, Melbourne, Australia. Machine for displaying advertising matter. 1,741,092; Dec. 24.
 Blakeslee, Orrin C., Compton, Calif. Rotary baller. 1,740,449; Dec. 24.
 Blanchard, Adna F., Tampa, Fla. Spring cover. 1,740,804; Dec. 24.
 Blewett, Arthur R., Chicago, Ill., assignor to International Harvester Company. Feeder construction for harvester thrashers. 1,740,723; Dec. 24.
 Bliss, E. W., Company. (See Kruse, Peter, assignor.)
 Bliss, E. W., Company. (See Strout, Robert W., assignor.)
 Blunt, James G., Schenectady, N. Y. Centering appliance for locomotive trailing trucks. 1,740,440; Dec. 24.
 Bong, Emil, Los Angeles, Calif. Toupee and wig making the same. 1,740,764; Dec. 24.
 Borchers, Wilhelm, Aachen, Germany, and R. W. Stimson, New York, N. Y.; said Borchers assignor to said Stimson. Alloy. 1,740,678; Dec. 24.
 Borchers, Wilhelm, Aachen, Germany, and R. W. Stimson, New York, N. Y.; said Borchers assignor to said Stimson. Alloy. 1,740,679; Dec. 24.
 Botley, Richard M. (See Hoyt, S. T., and Botley.)
 Bourke, Russell L., and A. C. Anderson, Petaluma, Calif. Provision cabinet. 1,741,008; Dec. 24.
 Boutin, Odilon. (See Bergeron, A., and Boutin.)
 Bowers, Edward, Paducah, Ky. Advertising display stand. Des. 80,160; Dec. 24.
 Bradshaw, George L., Indianapolis, Ind. Wall construction. 1,740,570; Dec. 24.
 Bramming, Carl, assignor to Delta Electric Company, Marion, Ind. Electric switch. 1,740,535; Dec. 24.
 Braselton, Chester H., New York, and F. B. MacLaren, Malba, Long Island, N. Y.; said MacLaren assignor to said Braselton. Fuel-supply system. 1,740,450; Dec. 24.
 Brasington, Charles P., Cincinnati, Ohio, assignor to The International Printing Ink Corporation, New York, N. Y. Mill roller. 1,740,940; Dec. 24.
 Braun, Karl. (See Erdh, P., and Braun.)
 Breisch, Edgar W., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hot-flame rectifier. 1,740,494; Dec. 24.
 Breisky, John V., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,740,536; Dec. 24.
 Bretherton, Francis J. (See Bell, W. T., and Bretherton.)

Brice, Cecil H., Brighton, England. Exhaust silencer for internal-combustion engines. 1,740,805; Dec. 24.
 Bridler, John J., San Francisco, Calif., assignor of one-half to A. Hampton, F. J. Miller, and F. Hansmann. Window construction. 1,740,724; Dec. 24.
 Briese, Alfred, and R. Callow, assignor to Wheeling Machine Products Company, Wheeling, W. Va. Device for closing and opening the vise jaws of automatic screw machines. 1,740,465; Dec. 24.
 Briggs, Stephen F., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tumbler lock. 1,741,093; Dec. 24.
 Briggs & Stratton Corporation. (See Briggs, Stephen F., assignor.)
 Brill, J. G., Company, The. (See Deal, E. T., and Scott, assignors.)
 British Dyestuffs Corporation Limited. (See Cronshaw, C. J. T., and Naunton, assignors.)
 Broberg, Isidor. (See Ljungström, F., Broberg, and Eriksson.)
 Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Combined cock handle and plate. Des. 80,161; Dec. 24.
 Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Door handle. Des. 80,162; Dec. 24.
 Brgan, James A., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,740,451; Dec. 24.
 Brooks, Eugene C., Springfield, Vt. Rag-disintegrating machine. 1,740,644; Dec. 24.
 Bronander, Wilhelm B., Montclair, N. J., assignor to International Cigar Machinery Company. Cigar-filler feed. 1,740,571; Dec. 24.
 Brown, Edgar A., et al. (See Hair, Charles E., assignor.)
 Brown, Herbert E., assignor of one-half to M. H. Mandelbaum, Chicago, Ill. Variable-speed-transmission gearing. 1,740,725; Dec. 24.
 Brown Lynch Scott Co. (See Smith, Edward M., assignor.)
 Brown, Phelps, Springfield, Mass. Distributor. 1,740,452; Dec. 24.
 Browne, Cecil O. (See Whitaker, A., and Browne.)
 Buehler, Leon, Jr., assignor to Frick Company, Waynesboro, Pa. Variable-capacity-control compressor. 1,740,967; Dec. 24.
 Burnett, Richard W., Chicago, Ill. Pipe anchor. 1,740,765; Dec. 24.
 Burnham, Morris U., Cincinnati, Ohio, and G. M. Argabrite and A. A. Dionne, Chicago, Ill., assignors to The Alvey-Ferguson Company, Cincinnati, Ohio. Drying apparatus. 1,740,680; Dec. 24.
 Burnham, Morris U., Cincinnati, Ohio, and G. M. Argabrite and A. A. Dionne, Chicago, Ill., assignors to The Alvey-Ferguson Company, Cincinnati, Ohio. Drying method. 1,740,681; Dec. 24.
 Buxton, Warner R., Longmeadow, Mass. Bill fold. 1,741,009; Dec. 24.
 C. & C. Engineering Co. (See Carrey, John O., assignor.)
 Callender, Hiram C., assignor to Ribbon Miter Machine Company, Indianapolis, Ind. Building glass or the like. Des. 80,163; Dec. 24.
 Callow, Russell. (See Briese, A., and Callow.)
 Camfield, William H., Newark, N. J. Door. 1,740,572; Dec. 24.
 Campbell, Donald J., Muskegon Heights, Mich. Control for jarring molding machines. 1,740,766; Dec. 24.
 Cantor, Max. (See Kirchhoff, R., and Cantor.)
 Cantrell, Frank J., San Francisco, Calif. Pin or similar article. Des. 80,164; Dec. 24.
 Cappellotti, Luis, Omaha, Nebr. Lumber-stabilizing device. 1,741,010; Dec. 24.
 Carpenter, Edwin P., Horley, England, assignor to American Machine & Foundry Company. Making plastic compositions. 1,740,573; Dec. 24.
 Carrey, John O., assignor to C. & C. Engineering Co., Inc., St. Louis, Mo. Shaft seal. 1,740,682; Dec. 24.
 Carter, Edward B., Boston, Mass. Washer-feeding machine. 1,740,968; Dec. 24.
 Carter, William C., Wellston, Mo. Carburetor. 1,740,453; Dec. 24.
 Carvill, Clarence, Clinton, Mass. Splint. 1,741,011; Dec. 24.
 Carvin, Edward O., Sierra City, Calif. Tread clearer. 1,740,537; Dec. 24.
 Case, Arthur F., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Safety stop. 1,740,726; Dec. 24.
 Case, J. L., Company. (See Davies, David P., assignor.)
 Cashman, Andrew A., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,740,454; Dec. 24.
 Cassidy, Leon S., and M. Romper, Bridgeton, N. J. Amusement railway. 1,740,496; Dec. 24.
 Cefaratti, John. (See Dinardo, G., and Cefaratti.)
 Celanese Corporation of America. (See Drayfus, C., and Platt, assignors.)
 Celanese Corporation of America. (See Ellis, George H., assignor.)
 Central Furniture Frame Co., Inc. (See Stoll, Charles, assignor.)
 Chandler, Tommie B., Bakersfield, Calif. Combination wall table and ironing board. 1,741,094; Dec. 24.
 Channing, R. H., Jr., agent. (See Koenig, H. T., Fischer, Haffey, and Clappitt, assignors.)
 Channing, R. H., Jr., agent. (See Lowe, S. P., and Koenig, assignors.)

Cherry-Burrell Corporation. (See Mack, Charles B., assignor.)
 Chicago Forging & Manufacturing Company. (See Gilmore, Charles B., assignor.)
 Chlpron Stamp Company. (See Smith, Albert K., Jr., assignor.)
 Chireix, Henri, Paris, France. Duplex transmission system. 1,740,969; Dec. 24.
 Chogo, Koji, Kobe, assignor of one-half to S. Kubota, Tokyo, Japan. Apparatus for mixing liquid and gas. 1,740,441; Dec. 24.
 Christensen, Norman V., and H. J. Le Vesconte, assignors to Union Special Machine Company, Chicago, Ill. Feed-off-the-arm sewing machine. 1,741,095; Dec. 24.
 Christensen, Norman V., Chicago, and H. J. Le Vesconte, Maywood, assignors to Union Special Machine Company, Chicago, Ill. Feed-off-the-arm sewing machine. 1,741,096; Dec. 24.
 Christensen, Oswald A., Oakland, Calif. Hose connection. 1,740,574; Dec. 24.
 Chronik, August and L., New York, N. Y. Thread-counting apparatus. 1,740,970; Dec. 24.
 Chronik, Louis. (See Chronik, August and L.)
 Chrysler Corporation. (See Henderson, Herbert V., assignor.)
 Clappitt, Audis B. (See Koenig, H. T., Fischer, Haffey, and Clappitt.)
 Clarin, Werner E., assignor to Beacon Steel Furniture Co., Chicago, Ill. Folding chair. 1,740,806; Dec. 24.
 Clark, Williford L., Jamestown, N. Y. Casket latch. 1,741,097; Dec. 24.
 Clarke, Alex. A., Chicago, Ill. Air-suction apparatus. 1,740,918; Dec. 24.
 Clarke, Harry S., Long Beach, Calif. Arm for street-lighting standards. Des. 80,165; Dec. 24.
 Clarke, Harry S., Los Angeles, Calif. Street-lighting standard. Des. 80,166; Dec. 24.
 Clausen, Sigurd, and V. G. Hanson, Brooklyn, N. Y., assignors to International Cigar Machinery Company. Bunch transfer for cigar machines. 1,740,575; Dec. 24.
 Clayton Gin Compress Company. (See Mackenzie, Alexander S., assignor.)
 Clayton & Lambert Manufacturing Company. (See Ironside, James, assignor.)
 Clifford, Leslie B., Texarkana, Ark. Air or gas lift for fluids. 1,740,807; Dec. 24.
 Coleman, John F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,741,012; Dec. 24.
 Coleman, Stephen R., Los Angeles, Calif. Continuous calendar. 1,740,497; Dec. 24.
 Collette, William E., Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,740,498; Dec. 24.
 Colt, Charles R., Brooklyn, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Overseaming sewing machine. 1,740,808; Dec. 24.
 Columbus Creosoting Company. (See Warmoth, George W., assignor.)
 Combustion Utilities Corporation. (See Greenfield, Benjamin, assignor.)
 Commonwealth Shoe & Leather Company. (See Jones, Paul, assignor.)
 Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
 Connelly, Peter F., Spokane, Wash. Tamping machine. 1,740,538; Dec. 24.
 Connor, William L. (See Ofstad, Nicholas J., assignor.)
 Consolidated Steel Corporation. (See Griffin, Alvah M., assignor.)
 Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
 Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Flexible sharp-freezing container. 1,740,919; Dec. 24.
 Copes, Louis G., Bayonne, N. J. Muller. 1,740,442; Dec. 24.
 Cordill, Rex, Los Angeles, and H. C. Yunker, Oakland, Calif.; said Yunker assignor to said Cordill. Animated signboard. 1,740,498; Dec. 24.
 Corlett, Webster D., Oak Park, Ill., assignor to Standard Screw Company, Jersey City, N. J. Ball joint. 1,740,971; Dec. 24.
 Cornet y Oliveras, Juan, Barcelona, Spain. Pump. 1,741,070; Dec. 24.
 Corning Glass Works. (See Leiby, States L., assignor.)
 Costaganna, Celeste, assignor of one-half to R. Trevisan, San Francisco, Calif. Automobile bumper. 1,740,576; Dec. 24.
 Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Power-controlling apparatus. 1,740,500; Dec. 24.
 Cox, John W., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,740,767; Dec. 24.
 Cricchio, Paul, assignor to Majestic Lamp Works, New York, N. Y. Lamp or analogous article. Des. 80,167; Dec. 24.
 Crocker, Thomas F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,741,098; Dec. 24.
 Crompton, Inc. (See Crompton, Randolph, assignor.)
 Crompton, Randolph, Worcester, assignor to Crompton, Inc., Boston, Mass. Weaving. 1,740,768; Dec. 24.

Crosby, Oscar A., Philadelphia, Pa. Tap and die holder. 1,740,887; Dec. 24.
 Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
 Crownshaw, Cecil J. T., and W. J. S. Naunton, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of metallic xanthates. 1,740,809; Dec. 24.
 Cuff, James E., assignor to American Flyer Mfg. Co., Chicago, Ill. Tender for toy locomotives. Des. 80,168; Dec. 24.
 Cummer, Frederick H., Los Angeles, Calif. Mixer for road materials. 1,741,013; Dec. 24.
 Curlee, Jasper N., assignor of one-half to H. Scher, Little Rock, Ark. Universal joint. 1,741,099; Dec. 24.
 Currier, Arthur L., New Ipswich, N. H. Chuck. 1,740,645; Dec. 24.
 Cutler-Hammer, Inc. (See Hutton, Ulric O., assignor.)
 Cyclo Corporation. (See Honig, Frank, assignor.)
 Danco, Léon A., Fairfield, assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Toilet box or similar container. Des. 80,169; Dec. 24.
 Davidson, James L., Los Angeles, Calif. Fireproof door. 1,740,888; Dec. 24.
 Davies, David P., assignor to J. I. Case Company, Racine, Wis. Tractor. 1,740,810; Dec. 24.
 Davis Boring Tool Company. (See Kilzer, James E., assignor.)
 Davis, James R., Newport, Vt. Milk-cooling apparatus. 1,740,646; Dec. 24.
 Davis, Norman E. (See Wright, G. M., Smith, and Davis.)
 Daw, Marvin C., East Cleveland, assignor to The Kelly Reamer Company, Cleveland, Ohio. Reamer. 1,740,647; Dec. 24.
 Day, Carroll B. (See Dykes, Albert H., assignor.)
 Deal, Edwin T., Aldan, and L. F. Scott, assignors to The J. G. Brill Company, Philadelphia, Pa. Chair. Des. 80,170; Dec. 24.
 Dearborn Company, The. (See Wuenn, Edward, assignor.)
 Debelack, Alexander F., Sheboygan, Wis. Baby conveyance. 1,741,014; Dec. 24.
 De Camp, Merrill O., Jackson, Mich. Parking mechanism. 1,740,920; Dec. 24.
 De Forest, Lee, New York, N. Y., assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Wireless telegraph and telephone system. 1,740,577; Dec. 24.
 De Forest Radio Telephone & Telegraph Company. (See De Forest, Lee, assignor.)
 Dehis, John C., et al. (See Gump, William, assignor.)
 De La Mare, Thomas, Salt Lake City, Utah. Precast concrete metal-lined pipe. 1,741,049; Dec. 24.
 Delmanhorst, Herman F., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky. Reflecting device. 1,741,100; Dec. 24.
 Delonde, Emile, New York, N. Y. Oyster opener. 1,741,015; Dec. 24.
 Delta Electric Company. (See Bramming, Carl, assignor.)
 Dennis, Claude J., and J. E. Pearce, Dallas, Tex. Advertising device. 1,741,050; Dec. 24.
 Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tread-rolling device. 1,740,579; Dec. 24.
 Deutsche Schiff- und Maschinenbau Aktiengesellschaft. (See Weis, Gabriel, assignor.)
 Dietaphone Corporation. (See Lucarelle, Joseph M., assignor.)
 Diehl, Frank, Wahash, Ind. Machine for trimming veneer. 1,740,972; Dec. 24.
 Dietz, Jessie M., Portland, Oreg. Diaper. 1,740,973; Dec. 24.
 Dietzgen, Eugene Co. (See Langsner, Adolph, assignor.)
 Dinardo, Giovanni, Philadelphia, and J. Cefaratti, Darby, Pa. Blower and smoke consumer. 1,741,101; Dec. 24.
 Dionne, Arthur A. (See Burnham, M. U., Argabrite, and Dionne.)
 Dodge, Merton L. (See Pearson, P. E., and Dodge.)
 Doebler Die-Casting Co. (See Vericel, Antoine, assignor.)
 Doelfel, John G. (See Sauer, Conrad, assignor.)
 D'Olier, William L., Philadelphia, Pa., assignor, by mesne assignments, to C. H. Gray and J. Schaaf, Buffalo, N. Y., and W. G. Peuchen, North Tonawanda, N. Y. Screen. 1,740,578; Dec. 24.
 Dominion Wood Heel Corporation. (See Raymond, Ralph L., assignor.)
 Donat, Karl, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Method of and apparatus for melting or fusing glass, quartz, or ceramic materials into metal caps and similar metal articles. 1,740,443; Dec. 24.
 Douglass, Roy D. (See Harter, Marion H., assignor.)
 Downham, Harold. (See Downham, Sidney J. and H.)
 Downham, Sidney J. and H., Holborn, England. Bath seat. 1,740,444; Dec. 24.
 Drake, La Verne, Lake Stevens, Wash. Valve. 1,740,811; Dec. 24.
 Draper Corporation. (See Keegan, Patrick, assignor.)
 Drayfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Preserving the luster of organic derivatives of cellulose. 1,740,889; Dec. 24.
 Dudley, Andrew T., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Pump. 1,741,102; Dec. 24.

Dugelay, Paul, Paris, France, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Feed-water heater. 1,741,124; Dec. 24.

Dulaney, George W., jr. (See Winslow, William H., assignor.)

Dunlap, Edwin T., Hawarden, Iowa. Clothesline bracket. 1,740,727; Dec. 24.

Dunn, Harold E., Sioux Falls, S. Dak. Ice-cream-dispensing container. 1,740,539; Dec. 24.

Duro Company, The. (See Eisenhauer, Charles P., assignor.)

Dykes, Albert H., Revere, assignor of one-half to C. B. Day, Boston, Mass. Gun lock. 1,741,125; Dec. 24.

Eaton Axle & Spring Company. (See Veale, George W., assignor.)

Eckert, Gustav. (See Schaefer, W. H., and Eckert.)

Eckstrand, Rudolph C., Seattle, Wash. Traffic warning device. 1,740,501; Dec. 24.

Egger, Louis G., New York, N. Y. Curtain-supporting draw cord. 1,740,974; Dec. 24.

Elring, Anthony, Irvington, N. J. Shade-pull clasp. 1,740,975; Dec. 24.

Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Water-softening apparatus. 1,740,540; Dec. 24.

Eisler, Charles, Newark, N. J., assignor to Eisler Electric Corporation. Stem-making machine for radiotubes and the like. 1,741,016; Dec. 24.

Eisler Electric Corporation. (See Eisler, Charles, assignor.)

Electric Arc Cutting and Welding Company. (See Holslag, Claude J., assignor.)

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Coloring of products comprising cellulose acetate. 1,740,890; Dec. 24.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Coloring of products comprising cellulose acetate. 1,740,891; Dec. 24.

Emmert, John R., and W. Grimmich, assignors to Emil J. Paldar Co., Chicago, Ill. Placemot for headrests for barber chairs. 1,740,648; Dec. 24.

Enna, Ernst F. H., Copenhagen, Denmark. Method and apparatus for uniting crude rubber and leather or other material. 1,740,580; Dec. 24.

Eppheimer, William J., Honey Brook, Pa. Coffin spring. 1,740,581; Dec. 24.

Erie Malleable Iron Company. (See Cox, John W., assignor.)

Eriksson, Erik O. (See Ljungström, F., Broberg, and Eriksson.)

Euclid Electric & Manufacturing Company, The. (See Rasmussen, Christian H., assignor.)

Evans Case Company. (See Lawrence, Cecil, H., assignor.)

Faber, Jerry A., Hawthorne, N. J. Pipe and radiator support. 1,740,769; Dec. 24.

Fabric Dry Cleaning Machinery Co. Inc. (See Traube, Abraham, assignor.)

Farmer, Albert M., Chicago, Ill. Piston ring. 1,740,812; Dec. 24.

Farmer, Fred, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Package conveyor for bread-wrapping machines. 1,740,582; Dec. 24.

Farrar, Allan C., Whitman, Mass. Detachable heel. 1,740,976; Dec. 24.

Feld, Bert D., London, and T. C. Standbrook, Ilford, assignors to Stanfield Radio Company, Limited, London, England. Potential supply means. 1,741,017; Dec. 24.

Fetter, Edward, Baltimore, Md. Cord-reinforced tube. 1,740,445; Dec. 24.

Filer & Stowell Co., The. (See Pelton, George M., assignor.)

Findelsen, Paul F., Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Loud-speaker. 1,740,446; Dec. 24.

Fischer, Oscar A. (See Koenig, H. T., Fischer, Haffey, and Clamplitt.)

Fisher, George F., Oklahoma City, Okla. Automatic animal trap. 1,740,583; Dec. 24.

Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)

Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)

Fisk Rubber Company, The. (See Winkle, George F., assignor.)

Flexible Steel Lacing Company. (See Purple, George E., assignor.)

Floradny, Burton S., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Fluid-operated brake system. 1,740,725; Dec. 24.

Flynn, John B. (See Archer, T. P., and Flynn.)

Ford, Sam, Toledo, Ohio. Corner fastening for bed rails. 1,741,051; Dec. 24.

Foster, Harry C., assignor to Indiana Lamp Corporation, Connersville, Ind. Multiple signal light and unit assembly. 1,740,541; Dec. 24.

Foster Wheeler Corporation. (See Irish, David J., assignor.)

France, Edward E., Holyoke, Colo. Figure toy. 1,741,103; Dec. 24.

Frankart, Charles. (See von Frankenberg, Arthur, assignor.)

Franklin, Charles S., Buckhurst Hill, England, assignor to Radio Corporation of America. Directional antenna. 1,740,851; Dec. 24.

Freeman, Hubert M. (See Sutherland, L., and Freeman.)

Freers, Fred E., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Switch mechanism. 1,740,977; Dec. 24.

French, Gordon W. (See Robinson, P. G., Sargent, and French.)

Frey Engineering Company. (See Willcox, Frederick H., assignor.)

Frick Company. (See Buehler, Leon, Jr., assignor.)

Friedman, Emory G., Tampico, Mexico. Tank-sealing device. 1,741,104; Dec. 24.

Frismuth, Ernst, Siemensstadt, near Berlin, Germany. Nut-locking washer. 1,740,852; Dec. 24.

Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)

Früh, Peter, and K. Braun, Gauting, near Munich, Germany; said Braun assignor to said Früh. Spool for loom and other textile machines. 1,740,502; Dec. 24.

Fry, Donald H., Los Angeles, Calif. Device for forming ice cubes. 1,740,503; Dec. 24.

Fryer, Edward R., Kenmore, N. Y. Combined fender and lamp casing for vehicles. Dec. 80,171; Dec. 24.

Fulghum, Claude L. (See Zoller, A. E., and Fulghum.)

Fuller Lehigh Company. (See Taylor, James H., assignor.)

Gadogast, Hermann, Tempelhof, near Berlin, assignor to Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Indicating dial. 1,740,941; Dec. 24.

Gallimore, Keith F., and R. M. Woytych, Fon du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Work holder. 1,740,542; Dec. 24.

Gardner, Robert H., and H. G. Hodge, Coffeyville, Kans., assignors to Sinclair Refining Company, New York, N. Y. Refining of hydrocarbon oils. 1,740,584; Dec. 24.

Garlick, Jew, Paterson, N. J. Automatic coaster for autos. 1,740,455; Dec. 24.

Garnett, Henry J. (See Smith, W. S., Garnett, and Holden.)

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Feeding apparatus. 1,740,683; Dec. 24.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,740,684; Dec. 24.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Expandable-chamber motor. 1,740,685; Dec. 24.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling motor. 1,740,686; Dec. 24.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,740,687; Dec. 24.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Fluid-pressure motor. 1,740,688; Dec. 24.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,740,689; Dec. 24.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,740,690; Dec. 24.

Gartin, Elmer G., Claremont, N. H. Rock-drilling tool. 1,741,126; Dec. 24.

Garriss, Gus, Des Moines, Iowa. Barbecue machine. 1,740,729; Dec. 24.

Gasoline Corporation. (See Greenstreet, Charles J., assignor.)

General Aniline Works, Inc. (See Kirchhoff, R., and Cantor, assignors.)

General Aniline Works, Inc. (See Kränzlein, G., and Vollmann, assignors.)

General Aniline Works, Inc. (See Wolfsleben, George, assignor.)

General Rubber Company. (See McGavack, John, assignor.)

General Spring Bumper Corporation. (See Jandus, H. S., and Morgan, assignors.)

General Steel Castings Corporation. (See Hallquist, Elmer G., assignor.)

Gennis, John N., Houston, Tex. Water cooler. 1,740,685; Dec. 24.

George, Walter D., Tuscola, Ill. Ironing board. 1,741,032; Dec. 24.

Gerngross, Otto, Berlin-Grünwald, and K. Rölke, Charlottenburg, assignors, by mesne assignments, to Kall-Chemie A. G., Berlin, Germany. Disinfectant, antiseptic, and medicament. 1,740,543; Dec. 24.

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Findelsen, Paul F., assignor.)

Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)

Gibson, George T., Des Moines, Iowa. Electrical service and meter cabinet. 1,740,730; Dec. 24.

Gifford-Wood Company. (See Bennett, Azzel C., assignor.)

Gillespie, Alexander, Pittsfield, Ill. Tempering wheel. 1,740,892; Dec. 24.

Gillett, Frank B. (See Strachauer, F. W., and Gillett.)

Gillette Rubber Company. (See Krause, Arnold R., assignor.)

Gilliam, James P., Los Angeles, Calif. Registering renewable plug fuses. 1,741,018; Dec. 24.

Gillinder Brothers, Inc. (See Gillinder, Edwin B., assignor.)

Gillinder, Edwin B., assignor to Gillinder Brothers, Inc. Port Jervis, N. Y. Transparent bowl. Dec. 80,172; Dec. 24.

Gillman, George H., Belmont, Mass. Drilling machine. 1,740,813; Dec. 24.

Gillmore, Charles B., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Window attachment. 1,740,586; Dec. 24.

Girard, Henry O., Nashua, N. H. Chair. Des. 80,173; Dec. 24.

Glick, Edward G., Chicago, Ill. Spare-tire cover. 1,741,105; Dec. 24.

Goldrick, Albert R., assignor to The Midland Bank, trustee, Cleveland, Ohio. Mixing pigments. 1,740,979; Dec. 24.

Goldsmith, Henry F., Philadelphia, Pa. Chart. 1,740,978; Dec. 24.

Goldstein, Adolph O., assignor to Sno-Ko Inc., Santa Cruz, Calif. Ice-cutting machine. 1,741,053; Dec. 24.

Gordon, Griffith L. (See Mantle, D. L., and Gordon.)

Gordon, Hiram. (See Rogge, A. C., and Gordon.)

Gothardt, Henry R., assignor to Logan Co., Louisville, Ky. Conveyor. 1,740,921; Dec. 24.

Graber Manufacturing Company, The. (See Rosenfeld, M. C., and McCabe, assignors.)

Graham, Walter D., River Forest, Ill. Electrically-heated fabric and the like. 1,741,054; Dec. 24.

Graton & Knight Company. (See Griffith, Winfred S., assignor.)

Gravell, James H., Elkins Park, Pa. Preparing metal for painting. 1,740,731; Dec. 24.

Gray, C. H., et al. (See D'Olier, William L., assignor.)

Gray, Ellsworth, and R. A. Mueller, Houston, Tex. Back-pressure valve for drilling rigs. 1,740,770; Dec. 24.

Greenfield, Benjamin, Jackson Heights, assignor to Combustion Utilities Corporation, New York, N. Y. Fluid pump. 1,740,587; Dec. 24.

Greenstreet, Charles J., New York, N. Y., assignor to Gasoline Corporation. Apparatus and process of treating hydrocarbon oils. 1,740,691; Dec. 24.

Greibach, Emil H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Graphic instrument. 1,740,456; Dec. 24.

Gretencort, John, Lewistown, Mont. Clay-treating attachment for pug mills. 1,740,504; Dec. 24.

Griffin, Alvah M., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif. Mud flume. 1,740,732; Dec. 24.

Griffith, Winfred S., assignor to Graton & Knight Company, Worcester, Mass. Preparing leather belting for gluing or cementing. 1,741,106; Dec. 24.

Griffith, Winfred S., assignor to Graton & Knight Company, Worcester, Mass. Leather-scratching machine. 1,741,107; Dec. 24.

Grimmich, William. (See Emmert, J. R., and Grimmich.)

Griswold, William A. (See Teller, Jacob, assignor.)

Groak, Irwin D., Chicago, Ill. Cooking stove. 1,740,505; Dec. 24.

Grosser, Hans, Buenos Aires, Argentina, assignor to G. E. Alvarado, New York, N. Y. Lacing for shoes and other articles. 1,740,506; Dec. 24.

Gruver, Joseph H., Baltimore County, Md. Closure for containers. 1,741,108; Dec. 24.

Guhl, Martin, Hamburg, Germany. Needle guard for sewing machines. 1,740,853; Dec. 24.

Gump, William, Newark, N. J., assignor of forty per cent to J. C. Dehls and forty per cent to L. Stein. Cellulose-acetate composition. 1,740,854; Dec. 24.

Haas, Charles A., Redwood City, assignor to Haas Non-Glare Headlight Company, San Francisco, Calif. Non-glare headlight. 1,740,507; Dec. 24.

Haas Non-Glare Headlight Company. (See Haas, Charles A., assignor.)

Haffey, Earl F. (See Koenig, H. T., Fischer, Haffey, and Clamplitt.)

Hair, Charles E., Beaumont, assignor of one-half to E. A. Brown, Barnwell, and one-half to F. U. Hair, Charleston, S. C. Highway template construction and maintenance machine. 1,741,127; Dec. 24.

Hair, Fay U., et al. (See Hair, Charles E., assignor.)

Hall, Edwin T., El Paso, Tex., assignor to Sullivan Machinery Corporation. Feeding mechanism. 1,740,692; Dec. 24.

Hallquist, Elmer G., Edwardsville, assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway truck. 1,740,508; Dec. 24.

Hamilton, Charles E., Los Angeles, Calif., assignor to E. Lane, P. Mendelson, and C. Mendelson, New York, N. Y. Flatwork ironer. 1,740,980; Dec. 24.

Hamilton, Frederick, Providence, R. I. Illuminating means. 1,740,688; Dec. 24.

Hammer, Anthony J., St. Louis County, Mo., assignor to International Smoke Burner Co., Dover, Del. Device for promoting combustion. 1,740,457; Dec. 24.

Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,740,858; Dec. 24.

Hammond, John H., Jr., Gloucester, Mass. System of secret radiant telephony and telegraphy. 1,740,859; Dec. 24.

Hampton, Alfred, et al. (See Bridler, John J., assignor.)

Hampton, Walton L., Louisville, Ky., and V. A. Tracy, Salt Lake City, Utah. Label-pasting device. 1,740,981; Dec. 24.

Hanny, Charles E., Unionville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Snap switch. 1,740,861; Dec. 24.

Hanny, Charles E., Unionville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Residence panel board. 1,740,862; Dec. 24.

Hansen, Abel, Metuchen, N. J. Urinal. 1,740,860; Dec. 24.

Hansen, Raymond J., Redondo Beach, Calif. Window-raising mechanism. 1,740,733; Dec. 24.

Hansmann, Frederick, et al. (See Bridler, John J., assignor.)

Hansmann, Paul, and H. Strack, Long Prairie, Minn., assignors, by mesne assignments, to the said Hansmann. Antiside-draft plow hitch. 1,740,589; Dec. 24.

Hanson, Victor G. (See Clausen, S., and Hanson.)

Harrington, Charles N., H. T. May, and C. B. Maxfield, assignors to La Crosse Knitting Company, La Crosse, Wis. Hosiery-drying apparatus. 1,740,942; Dec. 24.

Harrington, Earl P., Youngstown, Ohio. Rotary conveyor. 1,741,019; Dec. 24.

Harter, Marion H., assignor to R. D. Douglass, Minneapolis, Minn. Valve pliers. 1,740,591; Dec. 24.

Hartman, William W., Memphis, Tenn. Tool for placing or removing piston-pin retaining rings. 1,740,590; Dec. 24.

Hassensall, Louis W., Toledo, Ohio. Device for cooling liquids. 1,740,509; Dec. 24.

Hawkins, Harry. (See Seal, F. H., and Hawkins.)

Hazel, James O., assignor to J. Long, Atchison, Kans. Electric railway signal lantern. 1,740,592; Dec. 24.

Headrick, James. (See Hiller, Seymour W., assignor.)

Heald Machine Company, The. (See Gallimore, K. F., and Woytych, assignors.)

Hebrew, Joseph S., Masury, Ohio, assignor to Westinghouse Electric & Manufacturing Company. R. R. reactor. 1,740,458; Dec. 24.

Hell Co., The. (See Kuhlman, George, assignor.)

Helmerding, W. C., Company. (See Helmerding, William G., assignor.)

Helmerding, William G., assignor to W. C. Helmerding Company, Louisville, Ky. Latch for pivoted handles. 1,741,109; Dec. 24.

Hein, George N., San Francisco, Calif. Adapter and lock for hypodermic syringes. 1,740,459; Dec. 24.

Hedne, Otto H., Eugene, Ore. Thatched stock shelter. 1,740,510; Dec. 24.

Heinrich, Paul W., Grosse Pointe Park, Mich. Piston-ring setter. 1,741,110; Dec. 24.

Hellstrand, Edward A., Guildford, England. Shock absorber for use in vehicle suspension. 1,740,734; Dec. 24.

Helwig, Edward L. (See Hollander, C. S., and Helwig.)

Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile molding. Des. 80,174; Dec. 24.

Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile molding. Des. 80,175; Dec. 24.

Henschel, Minnie, Oshkosh, Wis. Combination telephone bookstand and calendar. 1,740,855; Dec. 24.

Herm, Ole G. (See Hollingsworth, Carl W., assignor.)

Herman, Joseph, Westfield, and S. B. Wright, South Orange, N. J., assignors to American Telephone and Telegraph Company. Volume regulation in two-way telephone circuits. 1,740,856; Dec. 24.

Hershey, Milton S., Hershey, Pa. Manufacturing sugar. 1,740,693; Dec. 24.

Heyboer, Adrian, Grand Rapids, Mich. Wafer plate. 1,740,649; Dec. 24.

Heyer Duplicator Co. Inc., The. (See Kurth, William H., assignor.)

Hicks, Irving C., Topeka, Kans., assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck. 1,740,511; Dec. 24.

Hicks, John N., and C. Severns, Los Angeles, Calif. Elevator. 1,741,055; Dec. 24.

High, Agnes. (See Wright, Virgil, assignor.)

Highway Trailer Company. (See Nolen, T., and Perine, assignors.)

Hill, Harold S., Miami, Fla. Combined window awning and shutter. 1,740,593; Dec. 24.

Hill, Joseph M., assignor of one-fourth to S. F. Norton, Ogden, Utah. Smoke condenser. 1,740,594; Dec. 24.

Hill, N. N. Brass Co., The. (See Hill, Norman N., assignor.)

Hill, Norman N., assignor to The N. N. Hill Brass Co., East Hampton, Conn. Toy telephone. 1,741,020; Dec. 24.

Hillier, Seymour W., assignor of one-half to J. Headrick, Sultan, Wash. Guy-line tightener. 1,740,982; Dec. 24.

Hines, Joseph E., Latrobe, Pa. Crank-case ventilator. 1,741,111; Dec. 24.

Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass-surfacing apparatus. 1,741,021; Dec. 24.

Hodge, Howard G. (See Gardner, R. H., and Hodge.)

Hoe, R., & Co. (See Ball, Harry V., assignor.)

Hoe, R., and Co. (See Roosen, Oscar C., assignor.)

Hoffman, George A., assignor to The New Method Stove Company, Mansfield, Ohio. Burner-mounting means. 1,740,512; Dec. 24.

Hohlt, Hans L., Santo Domingo, Dominican Republic. Stream motor. 1,740,595; Dec. 24.

Hohlt, Hans L., Santo Domingo, Dominican Republic. Stream motor. 1,740,596; Dec. 24.

Holden, John A. (See Smith, W. S., Garnett, and Holden.)

Holdener, Frank A. (See Newton, D., and Holdener.)

Holland, William H., Manchester, England. Knitted articles or fabrics and the manufacture thereof. 1,740,630; Dec. 24.

Hollander, Charles S., Philadelphia, and E. L. Helwig, Bristol, Pa. Reactive packing for metallurgical refractories. 1,741,128; Dec. 24.

Hollingsworth, Carl W., assignor, by mesne assignments, to O. G. Herm, Marshalltown, Iowa. Clutch mechanism. 1,740,735; Dec. 24.

Holmes, Bradford B., New York, N. Y. Snubber. 1,740,460; Dec. 24.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Traction mechanism. 1,740,694; Dec. 24.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,741,112; Dec. 24.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,741,129; Dec. 24.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,741,131; Dec. 24.

Holslag, Claude J., East Orange, assignor to Electric Arc Cutting and Welding Company, Newark, N. J. Arc-welding system. 1,740,983; Dec. 24.

Honig, Frank, Oak Park, assignor to Cyclo Corporation, Chicago, Ill. Mechanism for and method of coiling wire or the like. 1,741,056; Dec. 24.

Hosner, Ralph B., San Francisco, Calif. Bed-spring fabric. 1,741,022; Dec. 24.

Hotchner, Joseph, San Francisco, Calif. Illuminated sign. 1,740,736; Dec. 24.

Howe, Glenn A., Silverton, Oreg. Golf bag. 1,741,057; Dec. 24.

Hoyer, Otto A. E., Plaistow, London, England. Geometrical instrument. 1,740,597; Dec. 24.

Hoyt, Simes T., and R. M. Botley, Honolulu, Hawaii. Tray-filling machine. 1,740,893; Dec. 24.

Hubbard and Company. (See Peirce, Charles L., Jr., assignor.)

Hueter, Ernst, Darmstadt, Germany. Sound generator. 1,740,651; Dec. 24.

Hughes, Roland T., Oak Park, Ill. Convenience outlet. 1,740,652; Dec. 24.

Hultgren, Charles, assignor to S. Karpen & Bros., Chicago, Ill. Day bed. 1,740,598; Dec. 24.

Hunneman, Carleton, Jr., Brookline, Mass. Drier. 1,740,653; Dec. 24.

Hunter, Philip C., Richmond, Surrey, England. Bookrest. 1,740,814; Dec. 24.

Hurbough, Myron. (See Beck, Howard, assignor.)

Hutto, Marsden C., Detroit, Mich. Multiple-cylinder grinder. 1,740,461; Dec. 24.

Hutton, Ulric O., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Conditioning fluids. 1,740,462; Dec. 24.

Hydraulic Brake Company. (See Floraday, Burton S., assignor.)

Hynes, John J., University City, Mo. Necktie. 1,740,984; Dec. 24.

Improved Brick Corporation of Delaware. (See Pelton, John C., assignor.)

Indiana Lamp Corporation. (See Foster, Harry C., assignor.)

International Cigar Machinery Company. (See Bronander, Wilhelm B., assignor.)

International Cigar Machinery Company. (See Clausen, S., and Hanson, assignors.)

International Harvester Company. (See Blewett, Arthur R., assignor.)

International Harvester Company. (See Keith, Robert R., assignor.)

International Harvester Company. (See Klipp, Roy H., assignor.)

International Harvester Company. (See Smith, Leonard E., assignor.)

International Harvester Company. (See Welty, Albert B., assignor.)

International Printing Ink Corporation. (See Brasington, Charles P., assignor.)

International Silver Company. (See Kintz, Alfred G., assignor.)

International Smoke Burner Co. (See Hammer, Anthony J., assignor.)

Intertype Corporation. (See Sperry, Samuel E., assignor.)

Irish, David J., Staten Island, assignor to Foster Wheeler Corporation, New York, N. Y. Air-mixing burner. 1,740,985; Dec. 24.

Ironsides, James, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Collapsible stove structure. 1,740,943; Dec. 24.

Irsik, Edward L., Ingalls, Kans. Railroad-crossing gate. 1,740,815; Dec. 24.

Isaak, Nathaniel K., Parkston, S. Dak. Windshield heater. 1,741,058; Dec. 24.

Jacobson, David L., Pittsburg, Pa., assignor to The Koppers Company. Gas purification. 1,741,113; Dec. 24.

Jaeger, Max, Wesselburen, Germany, assignor to H. Krueger, Washington, D. C. Apparatus for digging up and conveying ground from below the surface. 1,740,922; Dec. 24.

Jaeger, Max, Wesselburen, Germany, assignor to H. Krueger, Washington, D. C. Machine for digging up ground from below the surface. 1,740,923; Dec. 24.

Jandus, Herbert S., and J. R. Morgan, Detroit, Mich., assignors, by mesne assignments, to General Spring Rumper Corporation. Clamp plate. Des. 80,176; Dec. 24.

Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Contact scanning disk. 1,740,654; Dec. 24.

Jenkins Laboratories. (See Jenkins, Charles F., assignor.)

Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt or pepper shaker or similar article. Des. 80,177; Dec. 24.

Johansson, Carl E., Detroit, Mich. Gauge. 1,740,695; Dec. 24.

Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Induction motor with movable magnetic bridges. 1,740,599; Dec. 24.

Johnson, Sylvester A., North Providence, R. I., assignor to Spidel Bros. Chain. 1,740,894; Dec. 24.

Jones, Paul, assignor to Commonwealth Shoe & Leather Company, Whitman, Mass. Shoe heel. 1,740,655; Dec. 24.

Jones, Samuel C., Atlantic City, N. J. Envelope. 1,741,059; Dec. 24.

Jury, Walter H., Sausalito, Calif. Drapery cornice. 1,740,513; Dec. 24.

Kadel, Byers W. (See Barrows, D. S., and Kadel.)

Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Slide frame. 1,740,600; Dec. 24.

Kajiura, Chiyokichi, Honolulu, Hawaii. Kamaboko-molding machine. 1,741,023; Dec. 24.

Kaletay, Joseph F., New York, N. Y. Roller screen. 1,740,816; Dec. 24.

Kall-Chemie A. G. (See Gerngross, O., and Rülke, assignors.)

Karpen, S., & Bros. (See Hultgren, Charles, assignor.)

Kassander, Leopold, assignor to Nathan Manufacturing Company, New York, N. Y. Sprinkling device for locomotive ash pans. 1,740,601; Dec. 24.

Kausch, Emil, Milwaukee, Wis. Ventilator. 1,740,817; Dec. 24.

Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)

Keegan, Patrick, Fall River, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,741,114; Dec. 24.

Keeler, John M., assignor of one-half to C. R. Welsh, New Brighton, Pa. Convertible faucet. 1,740,602; Dec. 24.

Keith, David F., Toronto, Ontario, Canada. Refrigerating device. 1,740,737; Dec. 24.

Keith, Robert R., Hinsdale, Ill., assignor to International Harvester Company. Rim for motor-truck wheels. 1,740,738; Dec. 24.

Keller, William H., Inc. (See Shaft, Ernest H., assignor.)

Kellert, Charles L., Baltimore, Md. Light color screen. 1,740,603; Dec. 24.

Kellogg, Herbert C., Detroit, Mich. Compressor. 1,740,924; Dec. 24.

Kellogg Switchboard and Supply Company. (See Freers, Fred E., assignor.)

Kelly Reamer Company, The. (See Daw, Marvin C., assignor.)

Kernohan, Robert B., and J. S. Lochhead, Pittsburgh, Pa. Open-hearth furnace. 1,741,024; Dec. 24.

Kernohan, Robert B., J. S. Lochhead, and W. Trinks, Pittsburgh, Pa. Open-hearth-furnace structure and method of operation. 1,741,025; Dec. 24.

Kidwell & Company. (See Kidwell, Cleo H., assignor.)

Kidwell, Cleo H., Dongan Hills, N. Y., assignor to Kidwell & Company, Inc. Box. Des. 80,178; Dec. 24.

Klenz, Raymond, Cleveland, Ohio. Chaser. 1,740,604; Dec. 24.

Kligour, Walter M. S., Lexington, Mass. Motor-vehicle safety device. 1,740,895; Dec. 24.

Kligour, Walter M. S., Lexington, Mass. Motor-vehicle safety device. 1,740,896; Dec. 24.

Killingworth, Virgil S., Jennings, Okla. Pressure-fluid hammer. 1,740,818; Dec. 24.

Klizer, James E., assignor, by mesne assignments, to Davis Boring Tool Company, St. Louis, Mo. Expansion reamer. 1,740,986; Dec. 24.

Kimball, Samuel J., Elgin, Ill., assignor, by mesne assignments, to Van Sicklen Corporation. Ash receptacle. 1,740,514; Dec. 24.

King, Thomas F., New Orleans, La. Collar button. 1,741,027; Dec. 24.

Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 80,210; Dec. 24.

Klipp, Roy H., Chicago, Ill., assignor to International Harvester Company. Detachable cultivator shovel. 1,740,739; Dec. 24.

Kirchhoff, Richard, Berlin-Lichterfelde, and M. Cantor, Berlin-Zehlendorf, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Disazo dyes. 1,740,819; Dec. 24.

Kirsten-Boeing Engineering Co., The. (See Kirsten, Kurt F. J., assignor.)

Kirsten, Kurt F. J., assignor to The Kirsten-Boeing Engineering Co., Seattle, Wash. Engine-driven marine vessel. 1,740,820; Dec. 24.

Kleffman, John, Hibbing, Minn. Snare. Re17,534; Dec. 24.

Klein, Hermann, assignor to Klein, Weiner & Bell, Milwaukee, Wis. Apparatus for finishing and rolling cleaned rugs and the like. 1,740,925; Dec. 24.

Klein, Maximilian, Lansdale, Pa., assignor to American Machine & Foundry Company. Paper-inserting device for cigarette-machine printers. 1,740,605; Dec. 24.

Klein, Weiner & Bell. (See Klein, Hermann, assignor.)

Kliegl Bros. Universal Electric Stage Lighting Co. (See Kliegl, Herbert A., assignor.)

Kliegl, Herbert A., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Spotlight. 1,740,463; Dec. 24.

Knauf, Carl, Kirkland, Wash. Lawn-mower-sharpening apparatus. 1,740,464; Dec. 24.

Kneuper, Alexander D., Los Angeles, Calif., assignor to L. Kneuper. Apparatus for lifting viscous fluids. 1,740,821; Dec. 24.

Kneuper, Louise. (See Kneuper, Alexander D., assignor.)

Knudsen, Knud N., Floral Park, N. Y., assignor to American Machine & Foundry Company. Cigarette-perforating device. 1,740,606; Dec. 24.

Koch, Gustav H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible gear wheel. 1,740,656; Dec. 24.

Koch, Walther, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Relay device. 1,740,465; Dec. 24.

Koenig, Henry T. (See Lowe, S. P., and Koenig.)

Koenig, Henry T., O. A. Fischer, E. F. Haffey, and A. B. Clamplitt, Denver, Colo., assignors to R. H. Channing, Jr., agent, San Francisco, Calif. Flotation process. 1,741,028; Dec. 24.

Kolpien, Kenneth H. (See Parker, F. H., and Kolpien.)

Komarek-Greaves and Company. (See Komarek, Gustav, assignor.)

Komarek, Gustav, assignor to Komarek-Greaves and Company, Chicago, Ill. Fluxer. 1,740,657; Dec. 24.

Koppers Company, The. (See Jacobson, David L., assignor.)

Koupal, Walter G., Tarentum, and J. H. Redshaw, Homestead, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for handling glass sheets. 1,741,026; Dec. 24.

Kragh, Carl. (See Levy, C. C., and Kragh.)

Kramer, Julius. (See Lowery, L. H., and Kramer.)

Kriuzlein, Georg, and H. Vollmann, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Benzanthrone carboxylic acids and preparation thereof. 1,740,771; Dec. 24.

Kraupner, Bohumil, Roudnice, Czechoslovakia. Pressing iron. 1,740,658; Dec. 24.

Krause, Arnold R., assignor to Gillette Rubber Company, Eau Claire, Wis. Rimming press. 1,740,987; Dec. 24.

Kremer, Joseph, Long Island City, N. Y., assignor to Wappler Electric Company, Inc. Electrically-operated hair curler. 1,740,988; Dec. 24.

Kroll, Wilhelm, Luxemburg, Luxemburg. Production of metallic beryllium. 1,740,857; Dec. 24.

Kropff, Wilhelm, Berlin-Charlottenburg, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,740,944; Dec. 24.

Krueger, Hedwig. (See Jaeger, Max, assignor.)

Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Tubular can-body horn. 1,740,863; Dec. 24.

Kubota, Shiro. (See Chogo, Koji, assignor.)

Kuehn, Waldemar O., and T. Wesolowski, Milwaukee, Wis. Safety lock for gas cocks. 1,740,945; Dec. 24.

Kuehne, Otto R., Redlands, Calif. Sanitary attachment for toilet seats. 1,740,544; Dec. 24.

Kuhlman, George, Long Island City, N. Y., assignor to The Heli Co., Milwaukee, Wis. Hinge for rear gates. 1,740,772; Dec. 24.

Kunze, Hugo. (See Wandersleb, E., and Kunze.)

Kupfer, Carl, assignor to Triumph-Werke Nürnberg A.-G., Nürnberg, Germany. Decimal tabulator for typewriters. 1,740,926; Dec. 24.

Kupfer, William H., Chicago, Ill. Badge. 1,740,822; Dec. 24.

Kurth, William H., assignor to The Hoyer Duplicator Co., Inc., Chicago, Ill. Stencil sheet and backing. 1,741,029; Dec. 24.

Kurtz, Benjamin F., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Empty and load brake. 1,740,645; Dec. 24.

Kurz-Kasch Company, The. (See McBarron, William H., assignor.)

La Bar, Bert G., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuse holder for portable meters. 1,740,466; Dec. 24.

Lacault, Robert E., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Radio receiving system. 1,740,946; Dec. 24.

La Crosse Knitting Company. (See Harrington, C. N., May, and Maxfield, assignors.)

Lambert, Homer P., Anderson, Ind. Rotary file. 1,740,467; Dec. 24.

Lamson Company, The. (See Cowley, James T., assignor.)

Landini, Adelmo, Genoa, Italy. Elastic globe map of the world. 1,740,927; Dec. 24.

Landis & Gyr A.-G. (See Reusch, Willi, assignor.)

Lane, Edwin, et al. (See Hamilton, Charles E., assignor.)

Langguth, Paul, Berlin, Germany. Combination structural plate. 1,740,928; Dec. 24.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Measuring tape. 1,740,947; Dec. 24.

La Roche, Pierre, Blédeford, Me. Humidifier. 1,740,897; Dec. 24.

Lawrence, Cecil H., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Combination pocket lighter and cigarette holder. Des. 80,179; Dec. 24.

Lawrence, John D., San Diego, Calif. Steel interlocked, asbestos-sheathed stucco or brick veneer wall. 1,740,898; Dec. 24.

Lea, Frederick H., South Amboy, N. J. Life-saving device for submarines. 1,740,948; Dec. 24.

Leary, James W., Bloomfield, N. J., assignor to American Machine & Foundry Company. Conveyer. 1,740,607; Dec. 24.

Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Projector. 1,740,608; Dec. 24.

Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Light projector. 1,740,609; Dec. 24.

Lederer, Alphonse J., assignor to Henry Lederer & Bro., Inc., Providence, R. I. Pocket lighter. Des. 80,180; Dec. 24.

Lederer, Henry, & Bro., Inc. (See Lederer, Alphonse J., assignor.)

Lederer, Henry, & Bro., Inc. (See Rosenthal, Jack, assignor.)

Lenk, Gus F., Dallas, Tex. Charging apparatus for incinerators. 1,740,610; Dec. 24.

Leschke, August H., Pittsburgh, Pa. Cleaning device for railway cars. 1,740,540; Dec. 24.

Levenson, Adolph, Long Island City, N. Y. Garment weight. 1,741,060; Dec. 24.

Le Vesconte, Harold J. (See Christensen, N. V., and Le Vesconte.)

Levy, Cyril C., Pittsburgh, and C. Kragh, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Knife-blade switch. 1,740,547; Dec. 24.

Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)

Lewis Invisible Stitch Machine Company. (See Tate, Samuel G., assignor.)

Libby, A. D. T., et al. (See Norwood, Harry G., assignor.)

Lildal, Jakob J., Copenhagen, Denmark. Gear-shifting apparatus. 1,740,823; Dec. 24.

Lincrusta-Walton Company. (See Abolin, Harry T., assignor.)

Lind, Theodore, Taylorville, Ill. Automobile top. Des. 80,181; Dec. 24.

Linder, Friedrich. (See Schuler, H., and Linder.)

Lindh, Charles F., Brooklyn, N. Y., assignor to Standard Tobacco Stemmer Company. Leaf-stemming device. 1,740,611; Dec. 24.

Little, Charles R., Coventry, England. Cover for joints. 1,740,740; Dec. 24.

Ljungström, Fredrik, Lidings-Brevik, I. Broberg, Skarstrå, Lidings, and E. O. Eriksson, Lidings-Brevik, assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Air preheater for locomotives. 1,740,696; Dec. 24.

Lochhead, James S. (See Kernohan, R. B., and Lochhead.)

Lochhead, James S. (See Kernohan, R. B., Lochhead, and Trinks.)

Lockwood Manufacturing Company. (See Prabell, Albert, assignor.)

Lowe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Receiver arrangement. 1,740,864; Dec. 24.

Logan Co. (See Gotthardt, Henry R., assignor.)

Long, John. (See Hazel, James O., assignor.)

Loock, Robert J., Baltimore, Md. Lubricant-retaining washer. 1,740,929; Dec. 24.

Louis, Terrence G., Springfield, assignor to Wico Electric Company, West Springfield, Mass. Breaker-point mechanism. 1,740,515; Dec. 24.

Louisville Frog, Switch & Signal Company. (See Delmanhorst, Herman F., assignor.)

Louisville Frog, Switch & Signal Company. (See Zehnder, Louis R., assignor.)

Lowe, Sherwin P., and H. T. Koenig, Denver, Colo., assignors to R. H. Channing, Jr., agent, San Francisco, Calif. Flotation process. 1,741,030; Dec. 24.

Lowe, William, Ansonia, assignor to The American Brass Company, Waterbury, Conn. Machine for twisting metal strips. 1,740,612; Dec. 24.

Lowery, Louis H., and J. Kramer, assignors to Pullman Couch Company, Chicago, Ill. Cushion-stuffing machine. 1,740,865; Dec. 24.

Lucarelli, Joseph M., assignor to Dictaphone Corporation, Bridgeport, Conn. Correction device. 1,740,468; Dec. 24.

Luery, Michael, Chicago, Ill. Baby swing. 1,740,949; Dec. 24.

Lund, Andrew, administrator. (See Lund, Joel.)

Lund, Joel, deceased, San Francisco, Calif.; A. Lund, administrator. Bench plane. 1,740,469; Dec. 24.

Lurie, Benjamin, Chicago, Ill. Dental impression tray. 1,740,773; Dec. 24.

Lyle, James C., Plymouth, Mass. Rotary mixer. 1,740,613; Dec. 24.

Lyon Metal Products, Incorporated. (See Vance, Walter N., assignor.)

Lytle, William O., New Kensington, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,740,989; Dec. 24.

Macallen Company, The. (See McCarthy, Louis, assignor.)

MacDonald, Ralph L., Niagara Falls, N. Y. New type of electrolytic cell. 1,740,659; Dec. 24.

MacGahan, Paul, Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,740,548; Dec. 24.

Mack, Charles B., assignor, by mesne assignments, to Cherry-Barrall Corporation, Chicago, Ill. Valve device. 1,740,774; Dec. 24.

Mack, George W., Atlantic City, N. J., assignor to Mack Machine Company, Inc. Combined tool box and workbench. 1,740,470; Dec. 24.

Mack Machine Company. (See Mack, George W., assignor.)

MacKay, John F., Lancaster, Pa. Egg-turning means for incubators. 1,740,516; Dec. 24.

Mackenzie, Alexander S., assignor to Clayton Gln Compress Company, Houston, Tex. Cotton condenser. 1,740,990; Dec. 24.

MacLaren, Fred B. (See Braselton, C. H., and MacLaren.)

Magee, Frederick W., assignor of one-half to T. W. Baker, London, Ontario, Canada. Motorist's eye shield. 1,741,061; Dec. 24.

Majestic Lamp Works. (See Cricchio, Paul, assignor.)

Mallette, Cyrus. (See Skaggs, M. C., and Mallette.)

Malm, William, New Orleans, La. Electrical transmission of motion pictures and the like. 1,740,930; Dec. 24.

Mandelbaum, Maurice H. (See Brown, Herbert E., assignor.)

Manhattan Bead Chain Co. (See Wolf, Sam T., assignor.)

Manske, Frederick A. (See Birdsey, C. R., and Manske.)

Mantle, David Le R., and G. L. Gordon, Pawhuska, Okla. Moving-picture projector. 1,740,932; Dec. 24.

Marcus, Samuel, Brooklyn, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Doll eyes. 1,740,000; Dec. 24.

Marcus, Samuel, Brooklyn, assignor, by mesne assignments, to Markon Manufacturing Co., Inc., New York, N. Y. Tool for attaching eye sets. 1,740,991; Dec. 24.

Margerson, Everett A., San Jose, Calif. Automatic display machine. 1,740,517; Dec. 24.

Markon Manufacturing Co., Inc. (See Marcus, Samuel, assignor.)

Markon Manufacturing Co. (See Wilhelm, John H., assignor.)

Marks, Marvin E., Albany, Ind. Corner-bead tool. 1,740,825; Dec. 24.

Marquist, Andrew, Saugatuck, Mich., assignor of one-half to E. F. Marquist, Chicago, Ill. Raincoat. 1,740,614; Dec. 24.

Marquist, Edwin F. (See Marquist, Andrew, assignor.)

Marshall-Wells Company. (See Walker, James W., assignor.)

Martin, George W., San Francisco, Calif. Bean-cleaning machine. 1,740,933; Dec. 24.

Martin, Glenn L., Company, The. (See Van Dusen, Charles A., assignor.)

Martin, Robert E., Chicago, Ill., assignor to Sullivan Machinery Company. Air-lift pumping system. 1,740,742; Dec. 24.

Marx, George G., Detroit, Mich. Grate-bar-shaking and clinker-crushing apparatus. 1,741,062; Dec. 24.

Mason, Arthur J., Homewood, Ill. Washing granular material. 1,741,063; Dec. 24.

Mathieu, Frederick W., assignor to Robert Phillips Co., Inc., New York, N. Y. Lighting fixture. Des. 80,182; Dec. 24.

Matthews, H. A., Mfg. Co., The. (See Naylor, Henry R., assignor.)

Mattson, Richard B., Bessemer, Mich. Cigarette extinguisher and receiver. 1,740,826; Dec. 24.

Mauer, Michael M., New York, N. Y. Egg-candling device. 1,740,661; Dec. 24.

Maxfield, Charles B. (See Harrington, C. N., May, and Maxfield.)

May, Henry T. (See Harrington, C. N., May, and Maxfield.)

Mayea, Louis T., Fairhaven, Mich. Door lock. 1,740,827; Dec. 24.

Mayer, Clarence S., et al. (See Norwood, Harry G., assignor.)

McBarron, William H., Cincinnati assignor to The Kurz-Kasch Company, Dayton, Ohio. Hinge and mounting therefor. 1,740,866; Dec. 24.

McBride, Lewis M., Washington, D. C. Fluid-projecting apparatus. 1,740,471; Dec. 24.

McCabe, Frank E. (See Rosenfeld, M. C., and McCabe.)

McCarthy, Louis, Boston, Mass., assignor to The Macallen Company. Machine for making composite sheets. 1,740,992; Dec. 24.

McCoy Electric Incubator Company, The. (See McCoy, Frank H., assignor.)

McCoy, Frank H., assignor to The McCoy Electric Incubator Company, Cleveland, Ohio. Incubator and hatcher. 1,740,741; Dec. 24.

McCretton, George, assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Chain attachment. 1,740,992; Dec. 24.

McDonnell, William R., Seattle, Wash. Vehicle brake. 1,740,993; Dec. 24.

McFall, Thurlow E., assignor to Sparta Foundry Company, Sparta, Mich. Molding machine. 1,740,775; Dec. 24.

McFarland, Numan H., Lubbock, Tex. Vegetable-slicing machine. 1,740,472; Dec. 24.

McGavack, John, Jackson Heights, assignor to General Rubber Company, New York, N. Y. Treating rubber latex. 1,740,994; Dec. 24.

McGuire, Bernard H., Los Angeles, Calif. Stuffing-box gland. 1,740,997; Dec. 24.

McKee, Ralph H., Leonia, N. J., assignor to Southern Electro-Chemical Company, New York, N. Y. Nitric-acid concentration. 1,740,549; Dec. 24.

McKesson & Robbins, Incorporated. (See Danco, Leon A., assignor.)

McMahon, William F., Riverside, Calif. Pump piston. 1,740,981; Dec. 24.

McManis, Fred, assignor to W-K-M Company, Houston, Tex. Tractor attachment for pipe cleaners. 1,740,663; Dec. 24.

McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Tin-plate-spotting machine. 1,740,697; Dec. 24.

Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 80,183; Dec. 24.

Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directional antenna system. 1,740,950; Dec. 24.

Mendelson, Charles, et al. (See Hamilton, Charles E., assignor.)

Mendelson, Percy, et al. (See Hamilton, Charles E., assignor.)

Meredith, Harry R., et al. (See Murphy, Robert N., assignor.)

Meyer, Henry C. A., assignor to The Bartlett Hayward Company, Baltimore, Md. Valve-operating mechanism. 1,741,064; Dec. 24.

Meyer, John F., Berkeley, Calif. Mortise gauge. 1,740,473; Dec. 24.

Meyer, Jos. H., Bros., Inc. (See Meyer, Maximilian C., assignor.)

Meyer, Maximilian C., Brooklyn, assignor to Jos. H. Meyer Bros., Inc., New York, N. Y. Iridescent products and making the same. 1,740,615; Dec. 24.

Michelin, Marcel M., Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Container or carton. 1,740,550; Dec. 24.

Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Nonskid tire. 1,740,616; Dec. 24.

Midgley, William, San Francisco, Calif. Street-car construction. 1,740,995; Dec. 24.

Midland Bank, trustee, The. (See Golrick, Albert R., assignor.)

Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Alkaline storage battery. 1,740,518; Dec. 24.

Miller, Frank J., et al. (See Bridler, John J., assignor.)

Miller, Louis R., Norwalk, Wis. Moldboard attachment. 1,740,519; Dec. 24.

Miller, Wilber B., Flushing, N. Y., assignor to Orweld Acetylene Company. Welding flux. 1,741,031; Dec. 24.

Milnes, Thomas E., McKees Rocks, Pa. Antiskid device. 1,741,065; Dec. 24.

Minter, Clarke C., Bloomfield, N. J. Internal-combustion engine. 1,741,032; Dec. 24.

Mishawaka Rubber and Woolen Manufacturing Company. (See Blair, George W., assignor.)

Moldenhauer, Otto A., Milwaukee, Wis. Self-locking door-control device. 1,740,951; Dec. 24.

Montana, N. V. (See Schaefer, Hanns, assignor.)

Mooney, Frances J., Philadelphia, Pa. Clothes hanger. 1,740,809; Dec. 24.

Moore, Harold J., Middletown, Conn. Buffer for cleaning and similar tools. 1,740,474; Dec. 24.

Moore, William D. (See Barr, C. D., and Moore.)

Moore, William D., assignor to American Cast Iron Pipe Co., Birmingham, Ala. Hot-blast cupola. 1,740,900; Dec. 24.

Morgan, Henry W., Rochester, N. Y. Nailing machine. 1,741,135; Dec. 24.

Morgan, John R. (See Jandus, H. S., and Morgan.)

Morgan, Merton W., assignor to Poole Engineering and Machine Company, Baltimore, Md. Flexible coupling. 1,740,617; Dec. 24.

Morgan, Orville S., Baldwin, Kans. Notebook divider. 1,741,006; Dec. 24.

Morrison, John H., East Orange, N. J., assignor to Utility Container Corporation. Sanitary moistureproof container. 1,740,828; Dec. 24.

Muehlberg, Karl O., Manitowoc, Wis. Tube coupling. 1,740,664; Dec. 24.

Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blindstitch sewing machine. 1,740,901; Dec. 24.

Mueller, Robert A. (See Gray, E., and Mueller.)

Muir, William F., Alameda, Calif. Fireplace. 1,740,896; Dec. 24.

Munson, Cooper C., Los Angeles, Calif. Fire extinguisher. 1,740,965; Dec. 24.

Mural, Teizo, Kyoto, I. Sacki, Osaka, and H. Sato, Kyoto, Japan. Electric singeing machine. 1,740,776; Dec. 24.

Murdoch, Charles A., New York, N. Y. Pump. 1,740,475; Dec. 24.

Murphy, Michael J., Chicago, Ill. Display device. 1,740,520; Dec. 24.

Murphy, Robert N., assignor of twenty-eight and three-fourths per cent to the estate of James S. Wilson, deceased, and of eleven and one-fourth per cent to H. R. Meredith, Ottawa, Ontario, Canada. Sanitary-trap fitting. 1,740,902; Dec. 24.

Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Automobile signaling device. 1,740,777; Dec. 24.

Murray, John F., et al., executors. (See Murray, Thomas E.)

Murray, John J., Arlington, Mass. Card-separating mechanism. 1,741,007; Dec. 24.

Murray, Joseph B., et al., executors. (See Murray, Thomas E.)

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. T. E. Jr., and J. F. Murray, executors. Electric fuse. 1,740,698; Dec. 24.

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. T. E. Jr., and J. F. Murray, executors. Electric fuse. 1,740,699; Dec. 24.

Murray, Thomas E., Jr., et al., executors. (See Murray, Thomas E.)

Nash, John E., Bellingham, Wash. Wrist driving signal lamp. 1,740,778; Dec. 24.

Nathan Manufacturing Company. (See Kassander, Leopold, assignor.)

National Cash Register Company, The. (See Kropff, Wilhelm, assignor.)

National Cash Register Company, The. (See Shipley, Bernis M., assignor.)

National Lead Company. (See Thompson, Gustave W., assignor.)

National Supply Company, The. (See Williams, Edward H., assignor.)

Naunton, William J. S. (See Cronshaw, C. J. T., and Naunton.)

Naylor, Henry R., Derby, assignor to The H. A. Matthews Mfg. Co., Seymour, Conn. Card-table tray. 1,741,136; Dec. 24.

Neldinger, George H., assignor to Peerless Tube Company, Bloomfield, N. J. Feed mechanism. 1,741,033; Dec. 24.

Nelson, Prithiof, Rockford, Ill. Kutting machine and the like. 1,740,618; Dec. 24.

Nelson, Gustavus E., Springfield, Ill. Artificial bait. 1,740,521; Dec. 24.

Nessler, Charles G., assignor to The Nestle-Le Mur Company, New York, N. Y. Heater for waving hair. Re17,536; Dec. 24.

Nestle-Le Mur Company, The. (See Nessler, Charles G., assignor.)

Neumann, Josef, Milwaukee, Wis. Trolley wheel. 1,740,619; Dec. 24.

New Method Stove Company, The. (See Hoffman, George A., assignor.)

Newton, Willard, Montgomery, Ala. Moth eliminator. 1,741,068; Dec. 24.

Newton, Dudley, and F. A. Holdener, Sacramento, Calif. Fishing tackle. 1,741,034; Dec. 24.

Niagara Mixer Company, The. (See Parker, F. H., and Kolpeln, assignors.)

Nichols, William B., Graham, Tex. Underreamer. 1,740,829; Dec. 24.

Nickel, Albert P. H. G., Charlottenburg, and J. J. Spanner, Berlin, Germany. Electrical vacuum discharge device. 1,740,700; Dec. 24.

Nolen, Truly, and R. T. Perline, Indianapolis, Ind., assignors to Highway Trailer Company, Edgerton, Wis. Dumping vehicle. 1,740,779; Dec. 24.

Norberg, Bror G., Seattle, Wash. Combination curtain pole, curtain-rod bracket, and suspending means. Des. 80,184; Dec. 24.

Norton, Stillman F. (See Hill, Joseph M., assignor.)

Norwood, Harry G., Baltimore, Md., assignor of one-half to A. D. T. Libby, East Orange, N. J., and one-half to C. S. Mayer, New York, N. Y. Truss. 1,740,952; Dec. 24.

Norwood, Harry G., Baltimore, Md., assignor of one-half to A. D. T. Libby, East Orange, N. J., and one-half to C. S. Mayer, New York, N. Y. Truss. 1,740,953; Dec. 24.

Nowosielski, Edward B., Bloomfield, assignor to Splittorf Electrical Company, Newark, N. J. Magneto-electric generator. 1,741,137; Dec. 24.

Nowosielski, Edward B., Bloomfield, assignor to Splittorf Electrical Company, Newark, N. J. Combination condenser and resistance unit. 1,741,138; Dec. 24.

Nowosielski, Edward B., Bloomfield, assignor to Splittorf Electrical Company, Newark, N. J. Dial for radio receiving sets. 1,741,139; Dec. 24.

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Controlling phase relations between stations. 1,740,820; Dec. 24.

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Suppression of echoes and singing in four-wire circuits. 1,740,621; Dec. 24.

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Controlling phase relations between stations. 1,740,867; Dec. 24.

Oettie, Harry B., assignor to R. H. Beaumont Co., Philadelphia, Pa. Automatic tram-car loading gate. 1,740,748; Dec. 24.

Officer, Charles B., Chicago, Ill., assignor to Sullivan Machinery Company. Mining machine. 1,741,184; Dec. 24.

Ofstad, Nicholas J., Redlands, assignor to W. L. Connor, Los Angeles, Calif. Fruit-washing machine. 1,740,868; Dec. 24.

Ofstad, Nicholas J., Redlands, assignor to W. L. Connor, Los Angeles, Calif. Fruit-washing machine. 1,740,869; Dec. 24.

Ofstad, Nicholas J., Redlands, assignor to W. L. Connor, Los Angeles, Calif. Fruit-washing machine. 1,740,870; Dec. 24.

Ohio Brass Company, The. (See Austin, Arthur O., assignor.)

Oliphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Pumping system. 1,741,069; Dec. 24.

Osann, Frederick, Company. (See Plumley, Raymond L., assignor.)

Osborne, John W., Aisey, Ill. Machine for mixing road material. 1,741,035; Dec. 24.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,740,701; Dec. 24.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,740,703; Dec. 24.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,740,706; Dec. 24.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Forging machine. 1,740,708; Dec. 24.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,741,130; Dec. 24.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,741,132; Dec. 24.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,741,133; Dec. 24.

Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Haulage mechanism. 1,740,702; Dec. 24.

Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanisms. 1,740,704; Dec. 24.

Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,740,705; Dec. 24.

Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Corporation. Hoist. 1,740,707; Dec. 24.

Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)

Oven, Frank J., Chicago, Ill., assignor to Victor Mfg. & Gasket Co. Metallic packing. 1,740,780; Dec. 24.

Ovtschunickoff, Alexander, Arnstadt, Germany. Multiple-card match package. 1,740,476; Dec. 24.

Owens, James C., and E. Wofford, Southmont, N. C. Sash construction. 1,740,622; Dec. 24.

Oxweld Acetylene Company. (See Miller, Wilber B., assignor.)

P. and F. Engineering Syndicate Limited. (See Pitt, Gordon, assignor.)

Paidar, Emil J., Co. (See Emmert, J. R., and Grimmerich, assignors.)

Paine, Herman, and J. J. Readle, Muncie, Ind. Ventilator device. 1,740,954; Dec. 24.

Parker, Frank H., and K. H. Kolpeln, assignors, by mesne assignments, to The Niagara Mixer Company, Cleveland, Ohio. Culinary mixer. 1,740,709; Dec. 24.

Parker, Frank H., and K. H. Kolpeln, assignors, by mesne assignments, to The Niagara Mixer Company, Cleveland, Ohio. Fluid motor. 1,740,710; Dec. 24.

Parker, Lamir, Los Angeles, Calif. Casement-window fastener. 1,740,830; Dec. 24.

Parks, Dennis, St. Louis, Mo. Equalizing plate for use in heel building. 1,740,871; Dec. 24.

Parrish, William C., Port Arthur, Tex. Pumping system. 1,741,115; Dec. 24.

Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Fluid transmission and control means for machine tools. 1,740,744; Dec. 24.

Pass & Seymour, Inc. (See Zeldner, Richard A., assignor.)

Pasternak, Martin. (See Van Dyck, A. F., Quinby, and Pasternak.)

Patterson, George M., Kansas City, Kans. Serving table. 1,740,831; Dec. 24.

Payne, Charles A., Syracuse, N. Y. Combined candle snuffer and lighter. 1,740,623; Dec. 24.

Pearce, John E. (See Dennis, C. J., and Pearce.)

Pearson, Paul E., and M. L. Dodge, assignors to Seattle Astoria Iron Works, Seattle, Wash. Applying can closures. 1,740,872; Dec. 24.

Peck, Clifford F., Chesterton, Ind. Slide brass for rolling-mill housings. 1,740,751; Dec. 24.

Peel, Peter J., Chicago, Ill. Apparatus for the application of electric hydro-physio therapeutics. 1,740,624; Dec. 24.

Peerless Tube Company. (See Neldinger, George H., assignor.)

Peirce, Charles L., Jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company. Pole step. 1,740,873; Dec. 24.

Peirce, Israel L., Pomona, Calif. Pocketbook. 1,741,071; Dec. 24.

Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Lumber-sawing machine. 1,740,998; Dec. 24.
 Pelton, John C., Santa Barbara, Calif., assignor to improved Brick Corporation of Delaware. Automatic brick-making machine and apparatus. 1,740,711; Dec. 24.
 Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining of hydrocarbon oils. 1,740,625; Dec. 24.
 Pennington, Harry, Houston, Tex. Rotary rig. 1,741,140; Dec. 24.
 Pennington, John R. (See Pennington, William D. and J. R.)
 Pennington, Olive B., administratrix. (See Pennington, William D. and J. R.)
 Pennington, William D. and J. R., deceased, Chicago, Ill.; O. B. Pennington, administratrix, assignor, by mesne assignments, to said W. D. Pennington. Clock-bank device. 1,740,955; Dec. 24.
 Perine, Robert T. (See Nolen, T., and Perine.)
 Petrelli, Joseph V., New Rochelle, N. Y. Sliding register. 1,740,826; Dec. 24.
 Peuchen, W. G., et al. (See D'Olier, William L., assignor.)
 Phillips, Paul D., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Wireless cluster. 1,740,856; Dec. 24.
 Phillips, Paul D., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Cover for reflectors. 1,740,957; Dec. 24.
 Phillips, Robert, Co. (See Mathieu, Frederick W., assignor.)
 Pianoforte Supplies Limited. (See Stone, Joseph A., assignor.)
 Pickering, Leon Q., Lake Mary, Fla. Gasoline-tank filler pipe and closure. 1,740,522; Dec. 24.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid-fuel cookstove. 1,740,749; Dec. 24.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid-fuel cookstove. 1,740,740; Dec. 24.
 Pierce, Oscar H., Toronto, Ontario, Canada. Holder for marking tickets. 1,740,832; Dec. 24.
 Pinaud Incorporated. (See Michellin, Marcel M., assignor.)
 Pitou, Eugene, assignor to American Safety Device Co., New York, N. Y. Landing stage. 1,740,953; Dec. 24.
 Pitt, Gordon, assignor to P. and F. Engineering Syndicate Limited, London, England. Rotary engine. 1,741,072; Dec. 24.
 Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)
 Pittsburgh Plate Glass Company. (See Koupal, W. G., and Redshaw, Joseph H., assignors.)
 Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
 Platt, Herbert. (See Dreyfus, C., and Platt.)
 Plumley, Raymond L., Brooklyn, assignor to Frederick Osann Company, New York, N. Y. Portable sewing-machine frame. Des. 80,185; Dec. 24.
 Polhemus, Charles B. and E. R., San Jose, Calif.; said E. R. Polhemus assignor to said Charles B. Polhemus. Rldger. 1,740,874; Dec. 24.
 Polhemus, Edward R. (See Polhemus, Charles B. and E. R.)
 Poole Engineering and Machine Company. (See Morgan, Merton W., assignor.)
 Porte, René, assignor to Societe Hardoll (Etablissements Hariveau & Dollimier et René Porte & Cie, Reunis), Levallois-Perret, France. Liquid measuring and distributing system. 1,740,875; Dec. 24.
 Porter, George A., Leominster, Mass. Combined barrette, comb, and hair waver. 1,741,073; Dec. 24.
 Potter, Albert A., Okmulgee, Okla. Bomb and setting means therefor. 1,741,030; Dec. 24.
 Pouvallsmith Corporation. (See Smith, Grant E., assignor.)
 Prabel, Albert, Bellevue, Ky., assignor to Lockwood Manufacturing Company, Cincinnati, Ohio. Multiple-pan structure. 1,740,999; Dec. 24.
 Pratt Chuck Company. (See Scarritt, Winthrop T., assignor.)
 Pressed Steel Car Company. (See Kurtz, Benjamin F., assignor.)
 Price, William E., White Plains, N. Y. Electric-lighted display sign or emblem. 1,740,747; Dec. 24.
 Fritz, Lawrence G. (See Tyson, Frank, assignor.)
 Pullman Couch Company. (See Lowery, L. H., and Kramer, assignors.)
 Purple, George E., La Grange, assignor to Flexible Steel Lacing Company, Chicago, Ill. Machine for inserting belt lacing. 1,740,959; Dec. 24.
 Pyrene-Minimax Corporation. (See Schnabel, Rudolf, assignor.)
 Quaker Silver Company. (See Jennings, James W., assignor.)
 Quinby, Edwin J. (See Van Dyck, A. F., and Quinby.)
 Quinby, Edwin J. (See Van Dyck, A. F., Quinby, and Pasternak.)
 R. M. Company. (See Murray, Howard J., assignor.)
 Radio Corporation of America. (See Franklin, Charles S., assignor.)
 Radio Corporation of America. (See Lacault, Robert E., assignor.)
 Radio Corporation of America. (See Loewe, Siegmund, assignor.)
 Radio Corporation of America. (See Ranger, Richard H., assignor.)
 Radio Corporation of America. (See Van Dyck, A. F., and Quinby, assignors.)
 Radio Corporation of America. (See Van Dyck, A. F., Quinby, and Pasternak, assignors.)
 Radio Corporation of America. (See Wright, G. M., Smith, and Davis, assignors.)
 Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,741,118; Dec. 24.
 Randall, Meredith S. (See Woodall, H. J., and Randall.)
 Ranger, Richard H., Brooklyn, N. Y., assignor to Radio Corporation of America. Comparing and selecting radio-signals. 1,740,833; Dec. 24.
 Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Cross-screen picture-transmitting system. 1,740,834; Dec. 24.
 Rasmussen, Christian H., Cleveland, assignor to The Euclid Electric & Manufacturing Company, Euclid, Ohio. Electric trolley hoist. 1,741,074; Dec. 24.
 Ratigan, James P., Los Angeles, Calif. Safety book. 1,740,782; Dec. 24.
 Raymond, Ralph L., Montreal, Quebec, assignor to Dominion Wood Heel Corporation, Limited, Montreal, Canada. Air jack for wood-heel-turning machines and the like. 1,740,934; Dec. 24.
 Read, Arthur, Portland, Oreg. Automatic hose reel and protector. 1,740,748; Dec. 24.
 Readie, Joseph J. (See Palne, H., and Readie.)
 Reddick, Pearl E., Pleasant Garden, N. C. Porch swing. 1,741,075; Dec. 24.
 Redshaw, Joseph H. (See Koupal, W. G., and Redshaw.)
 Reid, Frederick M., assignor to Fruehauf Tractor Company, Detroit, Mich. Tractor and semitrailer. 1,740,933; Dec. 24.
 Reliable Electric Co. (See Skidmore, Henry F., assignor.)
 Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,740,712; Dec. 24.
 Remington, Arthur L., assignor to Warp Compressing Machine Company, Worcester, Mass. Spindle mounting for creels. 1,740,783; Dec. 24.
 Remington, Arthur L., assignor to Warp Compressing Machine Company, Worcester, Mass. Holder for yarn packages. 1,740,784; Dec. 24.
 Rempfer, Marvin. (See Cassidy, L. S., and Rempfer.)
 Reserve Holding Company. (See Crocker, Thomas F., assignor.)
 Rheinische Metallwaren- und Maschinenfabrik. (See Schuler, H., and Linder, assignors.)
 Ribbon Miter Machine Company. (See Callender, Hiram C., assignor.)
 Rich, George R., Battle Creek, assignor to Wilcox-Rich Corporation, Detroit, Mich. Composite metal valve tappet. 1,740,666; Dec. 24.
 Ricks, Rasdal, Springfield, Mo. Mop holder. 1,740,903; Dec. 24.
 Rldger, George J., Brooklyn, N. Y. Glare shield for eyeglasses. 1,740,835; Dec. 24.
 Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Initial-starting unloader for air compressors. 1,741,117; Dec. 24.
 Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,186; Dec. 24.
 Rini, Anthony M., Dover, Ohio. Sealing ring for jars. 1,740,904; Dec. 24.
 Rip Van Winkle Wall Bed Company. (See Sinclair, Neil, assignor.)
 Rithner, Henry, Wellsburg, W. Va. Candle tumbler or similar article. Des. 80,187; Dec. 24.
 Roberge, Israel, Pawtucket, R. I. Window-screen fixture. 1,740,960; Dec. 24.
 Roberts, Clarence A., Lakewood, Ohio. Pump. 1,740,523; Dec. 24.
 Roberts, Clifford, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel lift for boots or shoes. 1,741,037; Dec. 24.
 Roberts, Francis C., Los Angeles, Calif. Coin-controlled vending machine. 1,741,000; Dec. 24.
 Robinson, Erdis G., Columbus, Ohio. Lens-beveling attachment for lens-edge-grinding machines. 1,740,551; Dec. 24.
 Robinson, Percy G., T. Sargent, and G. W. French, assignors to Strachan & Henshaw, Limited, Whitehall, Bristol, England. Delivery device. 1,740,552; Dec. 24.
 Robison, Isaac R., Ione, Oreg. Bearing-aligning tool. 1,740,830; Dec. 24.
 Robson, Stanley, Avonmouth, England. Preparation of sulphate of ammonia. 1,740,837; Dec. 24.
 Rodman, Clarence J., and C. A. Syer, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective apparatus. 1,740,477; Dec. 24.
 Roosen, Oscar C., Brooklyn, assignor to R. Hoe and Co., Inc., New York, N. Y. Shear-pin mounting. 1,740,838; Dec. 24.
 Rogers, John C. (See Rogers, Walter F. and J. C.)
 Rogers, Walter F. and J. C., Chicago, Ill. Broiler oven. 1,740,785; Dec. 24.
 Rogge, Albert C., and H. Gordon, Columbus, Ohio. Heel-sent-trimming machine. 1,740,667; Dec. 24.

Rosenfeld, Mortimer C., Cleveland, and F. E. McCabe, Chagrin Falls, assignors to The Grabler Manufacturing Company, Cleveland, Ohio. Sign and manufacturing the same. 1,741,118; Dec. 24.
 Rosenthal, Jack, Brooklyn, N. Y., assignor to Henry Lederer & Bro., Inc., Providence, R. I. Automatic lighter. Des. 80,188; Dec. 24.
 Rossien, Gustave, Edegem lez Anvers, Belgium. Elevator. 1,740,905; Dec. 24.
 Rothausky, Simon, and J. Schler, Akron, Ohio. Adjustable sectional bed. 1,740,906; Dec. 24.
 Rubin, Samuel L., Winnipeg, Manitoba, Canada, assignor to I. Wilensky, Devils Lake, N. Dak. Box-spring mattress. 1,741,038; Dec. 24.
 Rubber Latex Research Corporation. (See Wescott, William B., assignor.)
 Ruess, Ernst, Munich, Germany. Carrying body for rigid airships. 1,740,839; Dec. 24.
 Rülke, Kurt. (See Gerngross, O., and Rülke.)
 Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Fluid-pressure motor. 1,740,713; Dec. 24.
 Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Fluid-pressure motor. 1,740,714; Dec. 24.
 Rupley, William E., Los Angeles, assignor to Western Pipe and Steel Company of California, San Francisco, Calif. Electric pipe-welding apparatus. 1,741,076; Dec. 24.
 Rusack, Herman, Providence, R. I. Nut lock. 1,741,077; Dec. 24.
 Russ, John B., Shelton, assignor to The Bassett Metal Goods Company, Inc., Derby, Conn. Wardrobe-trunk lock or similar article. Des. 80,189; Dec. 24.
 Rybeck, Adolph W., assignor to The T. L. Smith Company, Milwaukee, Wis. Snubber for concrete-mixer skips. 1,740,786; Dec. 24.
 Sahlin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for softening shoe stiffeners. 1,740,478; Dec. 24.
 Saeki, Isao. (See Mural, T., Saeki, and Sato.)
 Salvador, Ramon, New Orleans, La. Pipe-coupling seal. 1,740,479; Dec. 24.
 Sargent, Tom. (See Robinson, P. G., Sargent, and French.)
 Sato, Helihiro. (See Mural, T., Saeki, and Sato.)
 Sauer, Conrad, assignor of fifty per cent to J. G. Doelfel, Pittsburgh, Pa. Supporting and clamping device. 1,740,878; Dec. 24.
 Scarritt, Winthrop T., assignor to Pratt Chuck Company, Utica, N. Y. Engine muffler. 1,741,078; Dec. 24.
 Schaefer, John, et al. (See D'Olier, William L., assignor.)
 Schaefer, Hanns, Essen-on-the-Ruhr, Germany, assignor to the firm N. V. Montania, The Hague, Netherlands. Construction of galleries and tunnels for mines and the like. 1,740,961; Dec. 24.
 Schaefer, William H., Great Neck, and G. Eckert, Bronx, N. Y. Clip or fastener. 1,741,039; Dec. 24.
 Scher, Harry. (See Curlee, Jasper N., assignor.)
 Schler, Anton, Hinsdale, Ill. Stove inclosure. 1,740,668; Dec. 24.
 Schler, John. (See Rothausky, S., and Schler.)
 Schmedden, Henry E., Coldwater, Mich. Fishing pole. 1,740,908; Dec. 24.
 Schmidt, Alfred, Dusseldorf, Germany. Pipe bend. 1,740,824; Dec. 24.
 Schmidt, Edward T., Blackwell, Okla. Token control. 1,740,962; Dec. 24.
 Schmiedeknecht, Victor E., Louisville, Ky. Plumbing fixture. 1,740,553; Dec. 24.
 Schnabel, Rudolf, Berlin, Germany, assignor, by mesne assignments, to Pyrene-Minimax Corporation. Generating foam, mixtures of liquid and gaseous substances, mixtures of different liquids and different gases, or emulsions. 1,740,840; Dec. 24.
 Scholes, Daniel R., assignor to Aeromotor Company, Chicago, Ill. Motion-transmitting mechanism. 1,740,627; Dec. 24.
 Schott, Charles G., St. Louis, Mo. Heating stove. Des. 80,190; Dec. 24.
 Schuler, Hermann, and F. Linder, Dusseldorf, assignors to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Carriage for light ordnance. 1,740,907; Dec. 24.
 Schurtz, Ralph E., Kansas City, Mo. Liquor-transfer-valve operation for absorption refrigerator systems. 1,740,715; Dec. 24.
 Scott, Louis F. (See Deal, E. T., and Scott.)
 Seal, Frank H., and H. Hawkins, Great Falls, Mont. Record-changing mechanism for disk-record sound-reproducing machines. 1,741,040; Dec. 24.
 Seattle Astoria Iron Works. (See Pearson, P. E., and Dodge, assignors.)
 Sebring, Charles L., assignor to The Sebring Pottery Company, Sebring, Ohio. Dish. Des. 80,191; Dec. 24.
 Sebring Pottery Company, The. (See Sebring, Charles L., assignor.)
 Sensenbaugh, Delmond, Bloomington, Ill. Grain-cracking machine. 1,740,787; Dec. 24.
 Severns, Clayton. (See Hicks, J. N., and Severns.)
 Seyl, Joseph C., Chicago, Ill. Filling device. 1,741,119; Dec. 24.
 Shaff, Ernest H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Governor for pressure-fluid-operated tools. 1,740,669; Dec. 24.
 Shapiro, Henry, Philadelphia, Pa. Lighter. 1,740,628; Dec. 24.
 Sharp, Thomas C., Los Angeles, Calif. Garage-door-opening device. 1,740,877; Dec. 24.
 Shaw, William R., Denver, Colo. Vehicle spotlight. 1,740,909; Dec. 24.
 Sheridan, Leslie M., Coppercliff, Ontario, Canada. Variable-speed driving mechanism. 1,740,788; Dec. 24.
 Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,740,629; Dec. 24.
 Shuman, Arno, Philadelphia, Pa. Skylight construction. 1,740,749; Dec. 24.
 Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Donat, Karl, assignor.)
 Silica Gel Corporation, The. (See Miller, Ernest B., assignor.)
 Simplex Sampling Association. (See Stenz, Bernard F., assignor.)
 Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Vertically-pivoted wall bed. 1,740,789; Dec. 24.
 Sinclair Refining Company. (See Gardner, R. H., and Hodge, assignors.)
 Sinclair Refining Company. (See Pelzer, Harry L., assignor.)
 Skaggs, Mert C., and C. Mallette, Crocker, Mo. Luggage retainer. 1,740,670; Dec. 24.
 Skidmore, Henry F., assignor to Reliable Electric Co., Chicago, Ill. Self-soldering heat-coll fuse for switch-board protection. 1,740,480; Dec. 24.
 Slezak, Vincent F., assignor, by mesne assignments, to The American Ticket Scale Company, Chicago, Ill. Delayed-coin-controlled apparatus. 1,740,878; Dec. 24.
 Smith, Albert K., Jr., assignor to Chipron Stamp Company, Los Angeles, Calif. Label mounting for stamps. 1,740,630; Dec. 24.
 Smith, Edward M., Peoria, assignor to Brown Lynch Scott Co., Monmouth, Ill. Wheeled-harrow frame adjustment. 1,740,841; Dec. 24.
 Smith, Grant E., assignor to Pouvallsmith Corporation, Poughkeepsie, N. Y. Steering-wheel and forming same. 1,740,750; Dec. 24.
 Smith, Leonard E., Corpus Christi, Tex., assignor to International Harvester Company. Truck for tractor-drawn implements. 1,740,751; Dec. 24.
 Smith, Sidney B. (See Wright, G. M., Smith, and Davis.)
 Smith, T. L., Company, The. (See Rybeck, Adolph W., assignor.)
 Smith, William E. (See Vensel, I. W., and Smith.)
 Smith, Wiloughby S., Newton Poppleford, H. J. Garnett, Sevenoaks, and J. A. Holden, Gidea Park, England. Magnetic alloy. 1,740,880; Dec. 24.
 Sno-Ko Inc. (See Goldstein, Adolph O., assignor.)
 Societe Hardoll (Etablissements Hariveau & Dollimier et René Porte & Cie, Reunis). (See Porte, René, assignor.)
 Sonner, Carl J., Los Angeles, Calif. Faucet. 1,740,879; Dec. 24.
 Sorensen, Andrew J., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,741,001; Dec. 24.
 Southern Electro-Chemical Company. (See McKee, Ralph H., assignor.)
 Spanjers, Anton R. P. (See Spanjers, Arnold J. and A. R. P.)
 Spanjers, Arnold J., Duluth, and A. R. P. Spanjers, Minneapolis, Minn. Weather strip. Rel. 7,539; Dec. 24.
 Spanner, Johannes J. (See Nickel, A. P. H.-G., and Spanner.)
 Sparta Foundry Company. (See McFall, Thurlow E., assignor.)
 Speidel Bros. (See Johnson, Sylvester A., assignor.)
 Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Slug-trimming knife. 1,741,079; Dec. 24.
 Spltdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
 Stadium Underwear Company. (See Grageser, Charles F., assignor.)
 Stallard, Roswell G., Centralia, Wash. Pipe union. 1,740,910; Dec. 24.
 Standard Car Truck Company. (See Webb, Edwin W., assignor.)
 Standard Oil Company. (See Bartels, Edward E., assignor.)
 Standard Oil Company. (See Watts, George W., assignor.)
 Standard Screw Company. (See Corlett, Webster D., assignor.)
 Standard Tobacco Stemmer Company. (See Lindh, Charles F., assignor.)
 Standbrook, Theodore C. (See Feld, B. D., and Standbrook.)
 Stanfield Radio Company. (See Feld, B. D., and Standbrook, assignors.)
 Stanton, Warren F., Pawtucket, R. I. Gas engine. 1,740,790; Dec. 24.
 Stedfield, Christian H., Brainerd, Minn. Windshield cleaner. Rel. 7,535; Dec. 24.
 Steen, Andrew G., Brooklyn, N. Y. Display device. 1,740,842; Dec. 24.
 Stein, Leo, et al. (See Gump, William, assignor.)
 Stenz, Bernard F., assignor to Simplex Sampling Association, New York, N. Y. Sample card. 1,741,080; Dec. 24.
 Stern, Mitchell, Philadelphia, Pa. Back rest for bathtubs. 1,740,791; Dec. 24.

Stakney, Burnham C., Hillside, N. J. Internal-combustion engine. 1,740,843; Dec. 24.
 Stimson, Robert W. (See Borchers, W., and Stimson.)
 Stockman, Henry A., Birmingham, Ala. Manufacture of porous brick and the like. 1,740,631; Dec. 24.
 Still, Charles, Rockaway Beach, assignor to Central Furniture Frame Co. Inc., Brooklyn, N. Y. Settee or similar article. Des. 80,192; Dec. 24.
 Stone, Joseph A., Walsall, assignor to Pianoforte Supplies Limited, Simplex Works, England. Lid-supporting means for cabinets or boxes. 1,741,081; Dec. 24.
 Stoye, Kurt, New York, N. Y. Electrotherapeutic machine. 1,740,963; Dec. 24.
 Strachan & Henshaw, Limited. (See Robinson, P. G., Sargent, and French, assignors.)
 Strachauer, Frederick W., and F. B. Gillett, Sacramento, Calif. Flue-bulking machine. 1,740,792; Dec. 24.
 Strack, Herman. (See Hansmann, P., and Strack.)
 Stout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. High-speed feed for sheet metal. 1,740,844; Dec. 24.
 Styer, Charles A. (See Rodman, C. J., and Styer.)
 Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Automatic fluid-pressure pump. 1,740,793; Dec. 24.
 Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
 Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
 Sullivan Machinery Company. (See Martin, Robert E. C., assignor.)
 Sullivan Machinery Company. (See Officer, Charles B., assignor.)
 Sullivan Machinery Company. (See Oliphant, John, assignor.)
 Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
 Sullivan Machinery Company. (See Osgood, Robert C., assignor.)
 Sullivan Machinery Company. (See Rundqvist, Thore R., assignor.)
 Sullivan Machinery Corporation. (See Bartelsen, John, assignor.)
 Sullivan Machinery Corporation. (See Hall, Edwin T., assignor.)
 Sutherland, Lee, and H. M. Freeman, East Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Tube device. 1,740,481; Dec. 24.
 Sweeney, James A., Providence, R. I. Ophthalmic mounting. Des. 80,193; Dec. 24.
 Symington Company, The. (See Barrows, Donald S., assignor.)
 Symington Company, The. (See Barrows, D. S., and Kadel, assignors.)
 Symington Company, The. (See Kadel, Byers W., assignor.)
 Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)
 Taffner, Thomas L., Chicago, Ill. Closure for jars. 1,740,881; Dec. 24.
 Tandberg, John G., Lund, assignor to Aktiebolaget Carba, Stockholm, Sweden. Control. 1,741,120; Dec. 24.
 Tannenholz, Melville, Brooklyn, N. Y. Luncheon mat for hot plates. Des. 80,194; Dec. 24.
 Tate, Samuel G., Washington, D. C., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blindstitch felling machine. 1,740,882; Dec. 24.
 Taylor, James H., Chicago, Ill., assignor, by mesne assignments, to Fuller Lehigh Company. Pulverized-coal-transport system. 1,741,041; Dec. 24.
 Taylor, John W., assignor to W. & T. Avery Limited, Birmingham, England. Liquid dashpot. 1,740,794; Dec. 24.
 Taylor, John W., Birmingham, assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Weighing apparatus. 1,740,795; Dec. 24.
 Temple, Harvey A., Greene, Iowa. Shingle. 1,740,883; Dec. 24.
 Teller, Jacob, assignor of one-half to W. A. Griswold, Nashville, Tenn. Heater. 1,740,671; Dec. 24.
 Tenstedt Manufacturing Co. (See Archer, T. P., and Flynn, assignors.)
 Terry, Walter J., Seattle, Wash. Dental hand piece. 1,740,796; Dec. 24.
 Texas Company, The. (See Dudley, Andrew T., assignor.)
 Thiel, Heinrich, Ruhl, Germany. Automatic feed for sawing machines or the like. 1,741,082; Dec. 24.
 Thompson, Arthur W., East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Chemical container. 1,740,482; Dec. 24.
 Thompson, Gustave W., Brooklyn, assignor to National Lead Company, New York, N. Y. Treating lead alloys. 1,740,752; Dec. 24.
 Thormann, Wilhelm, Hanover-Linden, Germany. Articulated tank locomotive. 1,740,797; Dec. 24.
 Thornton, Renee, New York, N. Y. Box cover. Des. 80,195; Dec. 24.
 Thibe, Bverette O., Ontario, Calif. Illuminated sign. 1,740,845; Dec. 24.
 Tilden, Bert O., assignor to B. O. T. Mfg. Co., Trenton, N. J. Cabinet for bush tank. Des. 80,196; Dec. 24.
 Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Water-closet combination. Des. 80,197; Dec. 24.

Timken Roller Bearing Company, The. (See Hicks, Irving C., assignor.)
 Timson, William, assignor to W. & T. Avery Limited, Birmingham, England. Automatic weighing device. 1,740,798; Dec. 24.
 Todd, John N., Jr., assignor of twenty per cent to D. L. Whetstone and twenty per cent to W. M. Beasley, Montgomery, Ala. Circuit breaker. 1,740,911; Dec. 24.
 Tracy, Vern A. (See Hampton, W. L., and Tracy.)
 Trageser, Charles F., assignor to Stadium Underwear Company, Inc., Baltimore, Md. Pajama pants. 1,740,354; Dec. 24.
 Traube, Abraham, assignor to Fabric Dry Cleaning Machinery Co. Inc., Brooklyn, N. Y. Dry-cleaning apparatus. 1,740,718; Dec. 24.
 Trear, Peter D., Leavenworth, Kans. Machine for cutting meat, etc. 1,741,042; Dec. 24.
 Trevisan, Rinaldo. (See Costaganni, Celeste, assignor.)
 Trinks, Willibald. (See Kernohan, R. B., Lockhead, and Trinks.)
 Trinks, Willibald, Pittsburgh, Pa. Operating an open-hearth furnace. 1,741,002; Dec. 24.
 Triumph-Werke Nürnberg A.-G. (See Kupfer, Carl, assignor.)
 Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
 Trumbull Electric Manufacturing Company, The. (See Hannay, Charles E., assignor.)
 Trusler, Frank S., Vernon, Tex. Artificial tooth. 1,740,483; Dec. 24.
 Tucker, Walter N., Monroe, Wash. Poultry feeder. 1,741,083; Dec. 24.
 Tucher, Jean E., Paris, France. Rotary engine. 1,741,084; Dec. 24.
 Tyson, Frank, assignor of one-half to L. G. Pritz, Canton, Ohio. Vacuum cleaner. 1,740,625; Dec. 24.
 Union Oil Company of California. (See Subkow, Philip, assignor.)
 Union Special Machine Company. (See Christensen, N. V., and Le Vesconte, assignors.)
 Union Switch & Signal Company, The. (See Agnew, Norman F., assignor.)
 Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
 Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
 Union Switch & Signal Company, The. (See Vensel, I. W., and Smith, assignors.)
 United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
 United Shoe Machinery Corporation. (See Brogan, James A., assignor.)
 United Shoe Machinery Corporation. (See Cashman, Andrew A., assignor.)
 United Shoe Machinery Corporation. (See Collette, William E., assignor.)
 United Shoe Machinery Corporation. (See Roberts, Clifford, assignor.)
 United Shoe Machinery Corporation. (See Sabia, Ernest E., assignor.)
 United States Electrical Manufacturing Company. (See Johnson, Carl E., assignor.)
 Utility Container Corporation. (See Morrison, John H., assignor.)
 Valine, Manuel P., Hamilton City, Calif. Trailer hitch and tire carrier. 1,741,085; Dec. 24.
 Vallas, Lionel, Chicago, Ill. Flashing for walls and chimneys. 1,740,753; Dec. 24.
 Vallé, John R., New York, N. Y. Safety fender for motor cars. 1,740,528; Dec. 24.
 Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Sheet-metal rack. 1,740,754; Dec. 24.
 Van Dusen, Charles A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Impervious seaplane float. 1,740,840; Dec. 24.
 Van Dyck, Arthur F., and E. J. Quinby, Yonkers, N. Y., assignors to Radio Corporation of America. Electrical reproducer cabinet. Des. 80,198; Dec. 24.
 Van Dyck, Arthur F., and E. J. Quinby, Yonkers, and M. Pasternak, New York, N. Y., assignors to Radio Corporation of America. Electrical reproducer cabinet. Des. 80,199; Dec. 24.
 Van Sicklen Corporation. (See Kimball, Samuel J., assignor.)
 Veale, George W., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Bumper. 1,740,527; Dec. 24.
 Veale, George W., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Bumper. 1,740,528; Dec. 24.
 Vensel, Isalah W., Wilkinsburg, and W. E. Smith, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electric lock for interlocking machine levers. 1,741,003; Dec. 24.
 Verice, Antoine, Baldwin, N. Y., assignor to Doehler Die-Casting Co. Radio loud-speaker or the like. Des. 80,200; Dec. 24.
 Verice, Antoine, Baldwin, N. Y., assignor to Doehler Die-Casting Co. Radio loud-speaker or the like. Des. 80,201; Dec. 24.
 Verice, Antoine, Baldwin, N. Y., assignor to Doehler Die-Casting Co. Radiocabinet or the like. Des. 80,202; Dec. 24.

Victor Mfg. & Gasket Co. (See Olen, Frank J., assignor.)
 Victor Talking Machine Company. (See Whitaker, A., and Browne, assignors.)
 Vignos, Paul, assignor to Berger Manufacturing Company, Canton, Ohio. Latch for lockers. 1,740,672; Dec. 24.
 Vollmann, Heinrich. (See Kränzelin, G., and Vollmann.)
 Von Behr, Fritz, Uslar in Solling, Hanover, Germany. Impregnating process for dyeing or preserving wood. 1,740,484; Dec. 24.
 Vondersaar, Edwin L., Indianapolis, Ind. Game. 1,740,799; Dec. 24.
 Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 80,203; Dec. 24.
 Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Aquarium or similar article. Des. 80,204; Dec. 24.
 Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp or similar article. Des. 80,205; Dec. 24.
 Von Hoorn, Fred. (See Baxter, H. G., and Von Hoorn.)
 Von Linprun, Inka, Mannheim, Germany. Violin support. 1,740,824; Dec. 24.
 Vreeland, Frederick K., Montclair, N. J. Exclusive radio transmission and reception. 1,740,964; Dec. 24.
 W.-K.M. Company. (See McManis, Fred, assignor.)
 Wackerow, George L., Mellette, S. Dak. End-gate construction. 1,740,756; Dec. 24.
 Waite, Ralph B., Springfield, N. Y., assignor to The Antidolor Mfg. Co. Inc. Medicament container. 1,740,717; Dec. 24.
 Walker, James W., assignor to Marshall-Wells Company, Duluth, Minn. Vehicle tire. Des. 80,206; Dec. 24.
 Wallace, Edwin C., Newton, Mass. Penetration method of road construction. 1,740,718; Dec. 24.
 Waltner, Albert, Brooklyn, N. Y. Animal trap. 1,740,632; Dec. 24.
 Wandersleb, Ernst, and H. Kunze, assignor to the firm of Carl Zeiss, Jena, Germany. Sunshade for photographic objectives. 1,740,529; Dec. 24.
 Wappler Electric Company. (See Kremer, Joseph, assignor.)
 Warmoth, George W., Indianapolis, assignor to Columbus Crossting Company, Columbus, Ind. Kerfing saw. 1,740,535; Dec. 24.
 Warp Compressing Machine Company. (See Remington, Arthur L., assignor.)
 Watson, Richard M., Detroit, Mich. Loose-leaf binder. 1,740,936; Dec. 24.
 Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Heat-exchange apparatus. 1,741,043; Dec. 24.
 Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Side frame and spring structure. 1,740,912; Dec. 24.
 Wehringer, Herman H., Montclair, N. J. Detachable lock for removable sections of antiskid chains. 1,740,847; Dec. 24.
 Wehrle Company, The. (See Pickup, George E., assignor.)
 Wels, Gabriel, Bremen-Horn, assignor to Deutsche Schiff- und Maschinenbau Aktiengesellschaft, Bremen, Germany. Power-transmission gear. 1,740,756; Dec. 24.
 Wellman-Seaver-Morgan Company, The. (See Case, Arthur F., assignor.)
 Welsh, Charles R. (See Keeler, John M., assignor.)
 Welty, Albert B., Chicago, Ill., assignor to International Harvester Company. Straw-walker rack. 1,740,719; Dec. 24.
 Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,740,485; Dec. 24.
 Wescott, William B., Dover, assignor to Rubber Latex Research Corporation, Boston, Mass. Rubber heel and making the same. 1,740,633; Dec. 24.
 Wesolowski, Theodore. (See Kuehn, W. O., and Wesolowski.)
 Westerfield, Granville G., Indianapolis, Ind. Crock-making mold. 1,740,757; Dec. 24.
 Western Pipe and Steel Company of California. (See Ruple, William E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Baugh, Richard, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Baxter, H. G., and von Hoorn, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Breisch, Edgar W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Breisky, John V., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Greibach, Emil H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hebrew, Joseph S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Koch, Walther, assignor.)
 Westinghouse Electric & Manufacturing Company. (See La Bar, Bert G., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Levy, C. C., and Kragh, assignors.)
 Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Rodman, C. J., and Styer, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Sutherland, L., and Freeman, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Thompson, Arthur W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See White, Thomas U., assignor.)
 Wetmore, Miner P., Norwich, Conn. Refrigerating unit for attachment to ice boxes. 1,740,848; Dec. 24.
 Wetthauer, Jules L., Belmont, Mass. Vehicle indicator switch. 1,740,634; Dec. 24.
 Wheeling Machine Products Company. (See Briese, A., and Callow, assignors.)
 Wheelock, Charles W., assignor to Wheelock Manufacturing Company, Malden, Mass. Fire screen. 1,740,486; Dec. 24.
 Wheelock Manufacturing Company. (See Wheelock, Charles W., assignor.)
 Whetstone, David L., et al. (See Todd, John N., Jr., assignor.)
 Whipple, Charles R., and T. C. Winn, Detroit, Mich. Drill stand. 1,741,044; Dec. 24.
 Whitaker, Alfred, West Drayton, and C. O. Browne, Ealing Common, England, assignors to Victor Talking Machine Company. Light-controlling means. 1,740,673; Dec. 24.
 White, Douglas G. F., Hammersmith, London, England. Valve for internal-combustion engines. 1,740,758; Dec. 24.
 White, John D., Wichita Falls, Tex. Sign. 1,740,674; Dec. 24.
 White, Richard P., Chicago, Ill. Display vessel and hinge therefor. 1,740,965; Dec. 24.
 White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,740,487; Dec. 24.
 White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,740,556; Dec. 24.
 Wiberg, Oscar A., Flinspong, Sweden. Making blade rings for radial flow turbines. 1,740,800; Dec. 24.
 Wico Electric Company. (See Louis, Terrence G., assignor.)
 Wickle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,740,635; Dec. 24.
 Wilcox-Rich Corporation. (See Rich, George R., assignor.)
 Wilensky, Ida. (See Rubin, Samuel L., assignor.)
 Wilhelm, John H., Long Island, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Artificial eyes. 1,740,675; Dec. 24.
 Wilcox, Frederick H., assignor to Freyn Engineering Company, Chicago, Ill. Burner. 1,740,836; Dec. 24.
 Wilcox & Gibbs Sewing Machine Company. (See Colt, Charles R., assignor.)
 Williams, Clinton R., New York, N. Y. Toy and the like. 1,740,884; Dec. 24.
 Williams, Edward H., Crafton, Pa., assignor to The National Supply Company, Toledo, Ohio. Packing sleeve for overshots. 1,740,849; Dec. 24.
 Wilson, Horatio W., Washington C. H., Ohio. Vehicle signal lamp. 1,740,637; Dec. 24.
 Wilson, Estate of James S., et al. (See Murphy, Robert N., assignor.)
 Wilson, Wesley, assignor to Benjamin Electric Mfg. Co., Chicago, Ill. Reflector. 1,740,488; Dec. 24.
 Winn, Thomas C. (See Whipple, C. R., and Winn.)
 Winslow, William H., assignor to G. W. Dulany, Jr., Chicago, Ill. Manufacture of boilers. 1,741,121; Dec. 24.
 Wofford, Earl. (See Owens, J. C., and Wofford.)
 Wolf, Sam T., assignor to Manhattan Bead Chain Co., New York, N. Y. Clasp for a necklace. Des. 80,207; Dec. 24.
 Wolfsleben, Georg, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of black trisazo dyestuffs. 1,740,801; Dec. 24.
 Woodall, Herbert J., and M. S. Randall, Detroit, Mich. Automobile closed-body construction. 1,740,489; Dec. 24.
 Wornstaff, Richard A., Brighton, Iowa. Utility shovel. 1,741,004; Dec. 24.
 Worthington Pump and Machinery Corporation. (See Dugelay, Paul, assignor.)
 Worthington Pump and Machinery Corporation. (See Rlesner, Michael, assignor.)
 Woytych, Raymond M. (See Gallimore, K. F., and Woytych.)
 Wright, George M., S. B. Smith, and N. E. Davis, Chelmsford, England, assignors to Radio Corporation of America. Picture telegraphy. 1,740,490; Dec. 24.
 Wright, Sumner B. (See Herman, J., and Wright.)
 Wright, Virgil, assignor of one-third to A. High, Dallas, Tex. Machine for cutting gaskets. 1,740,530; Dec. 24.
 Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Tapered paper container. 1,740,966; Dec. 24.
 Wuenn, Edward, assignor to The Dearborn Company, Chicago, Ill. Card table. Des. 80,208; Dec. 24.
 Wurster, Oscar H., Chicago, Ill. Spraying apparatus. 1,740,759; Dec. 24.

ALPHABETICAL LIST OF PATENTEEES

- Younz, Daniel H., Manchester, Iowa. Toothed implement. 1,740,557; Dec. 24.
 Yunker, Henry C. (See Cordill, R., and Yunker.)
 Zarate, Paul, Jr., assignor of one-half to L. W. Andrews, Kansas City, Mo. Radio condenser. 1,740,850; Dec. 24.
 Zarse, Walter J., Milwaukee, Wis. Baseball game. 1,741,086; Dec. 24.
 Zehnder, Louis R., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky. Reflecting device. 1,741,087; Dec. 24.
 Zehnder, Louis R., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky. Reflecting device. 1,741,088; Dec. 24.
 Zeidler, Richard A., Secaucus, N. J., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Wall fixture. Des. 80,209; Dec. 24.
 Zeiss, Firm of Carl. (See Wandersleb, E., and Kunze, assignors.)
 Zifferer, Lothar R., Columbia, Pa. Pipe hanger. 1,740,802; Dec. 24.
 Zifferer, Lothar R., Columbia, Pa. Pipe hanger. 1,740,803; Dec. 24.
 Zitzerman, Jacob, New York, N. Y. Container and server for spreads. 1,741,089; Dec. 24.
 Zoller, Albert E., and C. L. Fulghum, Tiffin, Ohio. Railroad-platform bridge. 1,740,937; Dec. 24.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Acid concentration, Nitric. R. H. McKee. 1,740,549; Dec. 24.
 Acids and preparing them, Benzanthrone carboxylic. G. Kränzlein and H. Vollmann. 1,740,771; Dec. 24.
 Adapter and lock for hypodermic syringes. G. N. Hein. 1,740,459; Dec. 24.
 Advertising device. C. J. Dennis and J. E. Pearce. 1,741,050; Dec. 24.
 Advertising display stand. E. Bowers. Des. 80,160; Dec. 24.
 Air-mixing burner. D. J. Irish. 1,740,985; Dec. 24.
 Air or gas lift for fluids. L. B. Clifford. 1,740,807; Dec. 24.
 Airships, Carrying body for rigid. E. Ruess. 1,740,839; Dec. 24.
 Air-suction apparatus. A. A. Clarke. 1,740,918; Dec. 24.
 Alloy. W. Borchers and K. W. Stimson. 1,740,678-9; Dec. 24.
 Alloy, Magnetic. W. S. Smith, H. J. Garnett, and J. A. Holden. 1,740,880; Dec. 24.
 Alloys, Treating lead. G. W. Thompson. 1,740,752; Dec. 24.
 Anchor, Pipe. R. W. Burnett. 1,740,765; Dec. 24.
 Animal trap. A. Waltner. 1,740,632; Dec. 24.
 Animal trap, Automatic. G. F. Flaher. 1,740,583; Dec. 24.
 Antenna, Directional. C. S. Franklin. 1,740,851; Dec. 24.
 Antenna system, Directional. A. Meissner. 1,740,950; Dec. 24.
 Antiskid device. T. E. Miles. 1,741,065; Dec. 24.
 Aquarium or similar article. A. von Frankenberg. 80,204; Dec. 24.
 Automobile closed-body construction. H. J. Woodall and M. S. Randall. 1,740,489; Dec. 24.
 Automobile molding. H. V. Henderson. Des. 80,174-5; Dec. 24.
 Automobile top. T. Lind. Des. 80,181; Dec. 24.
 Awning and shutter, Combined window. H. S. Hill. 1,740,593; Dec. 24.
 Back rest for bathtubs. M. Stern. 1,740,791; Dec. 24.
 Badge. W. H. Kupfer. 1,740,822; Dec. 24.
 Bag: See—
 Golf bag.
 Baller, Rotary. O. C. Blakeslee. 1,740,449; Dec. 24.
 Bait, Artificial. G. E. Nelson. 1,740,521; Dec. 24.
 Ball joint. W. D. Corlett. 1,740,971; Dec. 24.
 Bank device, Clock. W. D. and J. R. Pennington. 1,740,955; Dec. 24.
 Barbecue machine. G. Garvis. 1,740,729; Dec. 24.
 Barrette, comb. and hair waver, Combined. G. A. Porter. 1,741,073; Dec. 24.
 Baseball game. W. J. Zarse. 1,741,086; Dec. 24.
 Bath seat. S. J. and H. Downham. 1,740,444; Dec. 24.
 Battery: See—
 Storage battery.
 Battery construction, Storage. H. J. Bartley. 1,741,046; Dec. 24.
 Bed, Adjustable sectional. S. Rothauszky and J. Schler. 1,740,906; Dec. 24.
 Bed, Day. C. Hultgren. 1,740,598; Dec. 24.
 Bed-spring fabric. R. B. Hosner. 1,741,022; Dec. 24.
 Bed, Vertically-pivoted wall. N. Sinclair. 1,740,789; Dec. 24.
 Bill fold. W. R. Buxton. 1,741,009; Dec. 24.
 Binder, Loose-leaf. R. M. Watson. 1,740,936; Dec. 24.
 Blower and smoke consumer. G. Dinardo and J. Cefferatti. 1,741,101; Dec. 24.
 Board: See—
 Ironing board. Panel board.
 Bolters, Manufacture of. W. H. Winslow. 1,741,121; Dec. 24.
 Bomb and setting means therefor. A. A. Potter. 1,741,036; Dec. 24.
 Book rest. P. C. Hunter. 1,740,814; Dec. 24.
 Bowl, Transparent. E. B. Gillinder. Des. 80,172; Dec. 24.
 Box. C. H. Kidwell. Des. 80,178; Dec. 24.
 Bracket: See—
 Clothesline bracket.
 Brake: See—
 Empty and load brake. Vehicle brake.
 Brake system, Fluid-operated. B. S. Floraday. 1,740,728; Dec. 24.
 Braking apparatus, Railway. J. P. Coleman. 1,741,012; Dec. 24.
 Brass for rolling-mill housings, Side. C. F. Peek. 1,740,781; Dec. 24.
 Breaker-point mechanism. T. G. Louis. 1,740,515; Dec. 24.
 Brick and the like, Manufacture of porous. H. A. Stockmar. 1,740,631; Dec. 24.
 Brickmaking machine and apparatus, Automatic. J. C. Felton. 1,740,711; Dec. 24.
 Brooch or similar article. B. Mechlovits. Des. 80,183; Dec. 24.
 Buckle, Shoe. S. M. Riker. Des. 80,186; Dec. 24.
 Buffer for cleaning and similar tools. H. J. Moore. 1,740,474; Dec. 24.
 Bumper. G. W. Vale. 1,740,527; Dec. 24.
 Bumper, Automobile. C. Costaganna. 1,740,576; Dec. 24.
 Bumper, Door. T. P. Archer and J. B. Flynn. 1,740,939; Dec. 24.
 Burner: See—
 Air-mixing burner.
 Burner. F. H. Willcox. 1,740,636; Dec. 24.
 Burner-mounting means. G. A. Hoffman. 1,740,512; Dec. 24.
 Button, Collar. T. F. King. 1,741,027; Dec. 24.
 Cabinet, Electrical reproducer. A. F. Van Dyck and E. J. Quinby, and M. Pasternak. Des. 80,198; Dec. 24.
 Cabinet, Electrical reproducer. A. F. Van Dyck, E. J. Quinby, and M. Pasternak. Des. 80,199; Dec. 24.
 Cabinet, Electrical service and meter. G. T. Gibson. 1,740,730; Dec. 24.
 Cabinet for flush tank. B. O. Tilden. Des. 80,196; Dec. 24.
 Cabinet, Provision. R. L. Bourke and A. C. Anderson. 1,741,008; Dec. 24.
 Calendar, Continuous. S. R. Coleman. 1,740,497; Dec. 24.
 Candle snuffer and lighter, Combined. C. A. Payne. 1,740,623; Dec. 24.
 Candle tumbler or similar article. H. Rithner. Des. 80,187; Dec. 24.
 Car construction, Street. W. Midgley. 1,740,995; Dec. 24.
 Car loading gate, Automatic tram. H. B. Oettle. 1,740,743; Dec. 24.
 Carburetor. W. C. Carter. 1,740,453; Dec. 24.
 Carburetor for internal-combustion engines. H. Beck. 1,740,917; Dec. 24.
 Card, Sample. B. F. Stenz. 1,741,080; Dec. 24.
 Card-separating mechanism. J. J. Murray. 1,741,067; Dec. 24.
 Card table. E. Wuenn. Des. 80,208; Dec. 24.
 Cash register. W. Kropff. 1,740,944; Dec. 24.
 Cash register. B. M. Shipley. 1,740,629; Dec. 24.
 Casing for coal-burning stokers. T. H. Banfield. Des. 80,169; Dec. 24.
 Casings for vehicles, Combined fender and lamp. E. R. Fryer. Des. 80,171; Dec. 24.
 Cellulose-acetate composition. W. Gump. 1,740,854; Dec. 24.
 Chain. S. A. Johnson. 1,740,594; Dec. 24.
 Chain attachment. G. McCretton. 1,740,992; Dec. 24.
 Chain, Band. K. C. Augenstein. 1,740,885; Dec. 24.
 Chair: See—
 Folding chair.
 Chair. E. T. Deal and L. F. Scott. Des. 80,170; Dec. 24.
 Chair. H. O. Girard. Des. 80,173; Dec. 24.
 Chamber motor, Expansible. E. G. Gartin. 1,740,685; Dec. 24.
 Chart. H. F. Goldsmith. 1,740,978; Dec. 24.
 Chaser. R. Klenz. 1,740,804; Dec. 24.
 Chuck. A. L. Currier. 1,740,645; Dec. 24.
 Cigar filler feed. W. B. Bronander. 1,740,571; Dec. 24.
 Cigar machines, Bunch transfer for. S. Clausen and V. G. Hanson. 1,740,575; Dec. 24.
 Cigarette-machine printer, Paper-inserting device for. M. Klein. 1,740,605; Dec. 24.
 Cigarette-perforating device. K. N. Knudsen. 1,740,606; Dec. 24.
 Circuit breaker. J. N. Todd, Jr. 1,740,911; Dec. 24.
 Circuit-breaker system. C. Aalborg. 1,740,531; Dec. 24.
 Circuits, Suppression of echoes and singing in four-wire. H. Nyquist. 1,740,621; Dec. 24.
 Circuits, Volume regulation in two-way telephone. J. Herman and S. B. Wright. 1,740,856; Dec. 24.
 Clamp plate. H. S. Jandus and J. R. Morgan. Des. 80,176; Dec. 24.
 Clasp: See—
 Shade-pull clasp.
 Clasp for a necklace. S. T. Wolf. Des. 80,207; Dec. 24.
 Cleaner: See—
 Vacuum cleaner. Windshield cleaner.
 Cleaning apparatus, Dry. A. Traube. 1,740,716; Dec. 24.
 Cleaning machine, Bean. G. W. Martin. 1,740,933; Dec. 24.
 Cleaning device for railway cars. A. H. Leschke. 1,740,546; Dec. 24.
 Clip or fastener. W. H. Schaefer and G. Eckert. 1,741,039; Dec. 24.

Closure for containers. J. H. Gruver. 1,741,108; Dec. 24.
 Closure for jars. T. L. Tallafiero. 1,740,881; Dec. 24.
 Closures, Applying can. P. E. Pearson and M. L. Dodge. 1,740,872; Dec. 24.
 Clothes hanger. F. J. Mooney. 1,740,899; Dec. 24.
 Clothesline bracket. E. T. Dunlap. 1,740,727; Dec. 24.
 Clutch mechanism. C. W. Hollingsworth. 1,740,735; Dec. 24.
 Coal-transport system, Pulverized. J. H. Taylor. 1,741,041; Dec. 24.
 Coaster for autos, Automatic. J. Garlick. 1,740,455; Dec. 24.
 Coating and heat treating. A. O. Austin. 1,740,639; Dec. 24.
 Cock handle and plate, Combined. A. H. Brodbeck. Des. 80,161; Dec. 24.
 Coffin spring. W. J. Eppheimer. 1,740,591; Dec. 24.
 Coin-controlled apparatus, Delayed. V. F. Slezak. 1,740,878; Dec. 24.
 Coloring of products comprising cellulose acetate. G. H. Ellis. 1,740,890; Dec. 24.
 Combustion, Device for promoting. A. J. Hammer. 1,740,457; Dec. 24.
 Compressor. H. C. Kellogg. 1,740,924; Dec. 24.
 Compressor, Variable-capacity-control. L. Buchler, Jr. 1,740,967; Dec. 24.
 Compressors, Initial-starting unloader for air. M. Riesner. 1,741,117; Dec. 24.
 Condenser and resistance unit, Combination. E. B. Nowosielski. 1,741,138; Dec. 24.
 Condenser, Cotton. A. S. Mackenzie. 1,740,990; Dec. 24.
 Condenser, Smoke. J. M. Hill. 1,740,594; Dec. 24.
 Conduit fitting. J. W. Cox. 1,740,767; Dec. 24.
 Container and server for spreads. J. Ziltzman. 1,741,089; Dec. 24.
 Container, Chemical. A. W. Thompson. 1,740,482; Dec. 24.
 Container, Flexible sharp-freezing. L. G. Copeman. 1,740,919; Dec. 24.
 Container, Ice-cream-dispensing. H. E. Dunn. 1,740,539; Dec. 24.
 Container, Medicament. R. B. Walte. 1,740,717; Dec. 24.
 Container or carton. M. M. Michellin. 1,740,550; Dec. 24.
 Container, Sanitary moistureproof. J. H. Morrison. 1,740,828; Dec. 24.
 Container, Tapered paper. W. L. Wright. 1,740,960; Dec. 24.
 Control. J. G. Tandberg. 1,741,120; Dec. 24.
 Control system. T. U. White. 1,740,487; Dec. 24.
 Control system, Supervisory. R. J. Wensley. 1,740,485; Dec. 24.
 Control system, Supervisory. T. U. White. 1,740,550; Dec. 24.
 Controlling phase relations between stations. H. Nyquist. 1,740,807; Dec. 24.
 Conveyor, Baby. A. F. Debelack. 1,741,014; Dec. 24.
 Conveyor. H. R. Gotthardt. 1,740,921; Dec. 24.
 Conveyor. J. W. Leary. 1,740,607; Dec. 24.
 Conveyor bucket and closing the same. A. C. Bennett. 1,741,123; Dec. 24.
 Conveyor, Rotary. E. P. Harrington. 1,741,010; Dec. 24.
 Cooler: See—
 Water cooler.
 Cooling apparatus, Milk. J. R. Davis. 1,740,646; Dec. 24.
 Cooling liquids, Device for. L. W. Hassensall. 1,740,509; Dec. 24.
 Cord, Curtain-supporting draw. L. G. Egger. 1,740,974; Dec. 24.
 Cord-reinforced tube. E. Fetter. 1,740,445; Dec. 24.
 Correction device. J. M. Lucarelle. 1,740,468; Dec. 24.
 Counting apparatus, Thread. A. Chronik and L. Chronik. 1,740,970; Dec. 24.
 Coupling: See—
 Flexible coupling. Tube coupling.
 Cover, Box. R. Thornton. Des. 80,195; Dec. 24.
 Cover for joints. C. R. Little. 1,740,740; Dec. 24.
 Cover for reflectors. P. D. Phillips. 1,740,957; Dec. 24.
 Cover, Spare-tire. E. G. Gilck. 1,741,105; Dec. 24.
 Cover, Spring. A. F. Blanchard. 1,740,804; Dec. 24.
 Crank-case ventilator. J. E. Hines. 1,741,111; Dec. 24.
 Crate-bar shaking and clinker-crushing apparatus. G. C. Marx. 1,741,062; Dec. 24.
 Crock-making mold. G. G. Westerfield. 1,740,757; Dec. 24.
 Cullinary mixer. F. H. Parker and K. H. Kolpien. 1,740,709; Dec. 24.
 Cultivator shovel, Detachable. R. H. Klipp. 1,740,739; Dec. 24.
 Cupola, Hot-blast. C. D. Barr and W. D. Moore. 1,740,886; Dec. 24.
 Cupola, Hot-blast. W. D. Moore. 1,740,900; Dec. 24.
 Curtain pole, curtain-rod bracket, and suspending means. Combination. B. G. Norberg. Des. 80,184; Dec. 24.
 Cushion-stuffing machine. L. H. Lowery and J. Kramer. 1,740,865; Dec. 24.
 Dabspot, Liquid. J. W. Taylor. 1,740,794; Dec. 24.
 Defects in the static and dynamic balances of rotating bodies, Device for determining. R. Biquard. 1,740,762; Dec. 24.
 Delivery device. P. G. Robinson, T. Sargent, and G. W. French. 1,740,552; Dec. 24.
 Dental hand piece. W. J. Terry. 1,740,796; Dec. 24.
 Dental impression tray. B. Lurie. 1,740,773; Dec. 24.
 Dial for radio receiving sets. E. B. Nowosielski. 1,741,139; Dec. 24.
 Dial, Indicating. H. Gadegast. 1,740,941; Dec. 24.
 Diaper. J. M. Dietz. 1,740,973; Dec. 24.
 Digging up and conveying ground from below the surface. Apparatus for. M. Jaeger. 1,740,922; Dec. 24.
 Dish. C. L. Sebring. Des. 80,191; Dec. 24.
 Disinfectant, antiseptic, and medicament. O. Gerngross and K. Rulke. 1,740,543; Dec. 24.
 Disintegrating machine, Rag. E. C. Brooks. 1,740,644; Dec. 24.
 Disk, Contact scanning. C. F. Jenkins. 1,740,654; Dec. 24.
 Display device. M. J. Murphy. 1,740,520; Dec. 24.
 Display device. A. G. Steen. 1,740,842; Dec. 24.
 Display machine, Automatic. E. A. Margeson. 1,740,517; Dec. 24.
 Display vessel and hinge therefor. R. P. White. 1,740,965; Dec. 24.
 Distributor. P. Brown. 1,740,452; Dec. 24.
 Doll eyes. S. Marcus. 1,740,660; Dec. 24.
 Door. W. H. Camfield. 1,740,572; Dec. 24.
 Door control device, Self-locking. O. A. Moldenhauer. 1,740,951; Dec. 24.
 Door, Fireproof. J. L. Davidson. 1,740,888; Dec. 24.
 Door handle. A. H. Brodbeck. Des. 80,162; Dec. 24.
 Door lock. L. T. Mayea. 1,740,827; Dec. 24.
 Door-opening device, Garage. T. C. Sharp. 1,740,877; Dec. 24.
 Draft regulator for heating plants. M. B. Becker. 1,740,567; Dec. 24.
 Drapery cornice. W. H. Jury. 1,740,513; Dec. 24.
 Drier. C. Hunneman, Jr. 1,740,653; Dec. 24.
 Drill: See—
 Rock drill.
 Drill stand. C. R. Whipple and T. C. Winn. 1,741,044; Dec. 24.
 Drilling machine. G. H. Gilman. 1,740,813; Dec. 24.
 Drilling mechanism. E. G. Gartin. 1,740,887; Dec. 24.
 Drilling mechanism. E. G. Gartin. 1,740,889-90; Dec. 24.
 Drilling mechanism. C. F. Osgood. 1,740,701; Dec. 24.
 Drilling mechanism. C. F. Osgood. 1,740,703; Dec. 24.
 Drilling motor. E. G. Gartin. 1,740,686; Dec. 24.
 Driving mechanism, Variable-speed. L. M. Sheridan. 1,740,788; Dec. 24.
 Drying apparatus. M. U. Burnham, G. M. Argabrite, and A. A. Dionne. 1,740,680; Dec. 24.
 Drying method. M. U. Burnham, G. M. Argabrite, and A. A. Dionne. 1,740,681; Dec. 24.
 Dyeing or preserving wood, Impregnating process for. F. von Behr. 1,740,484; Dec. 24.
 Dyes, Diazo. R. Kirchhoff and M. Cantor. 1,740,819; Dec. 24.
 Dyestuffs, Production of black trisazo. G. Wolfsleben. 1,740,801; Dec. 24.
 Egg-candling device. M. M. Mauer. 1,740,661; Dec. 24.
 Electric generator. Magneto. E. B. Nowosielski. 1,741,137; Dec. 24.
 Electric hydro-physio therapeutics, Apparatus for the application of. P. J. Peel. 1,740,624; Dec. 24.
 Electric switch. C. D. Ainsworth. 1,740,558; Dec. 24.
 Electric switch. A. O. Austin. 1,740,640; Dec. 24.
 Electric switch. H. G. Baxter and F. von Hoorn. 1,740,533; Dec. 24.
 Electric switch. C. Branning. 1,740,535; Dec. 24.
 Electric switch. H. J. Hammerly. 1,740,858; Dec. 24.
 Electrical apparatus. D. C. Bettison. 1,741,007; Dec. 24.
 Electrical distribution system. R. Rauch. 1,740,447; Dec. 24.
 Electrical protective device. J. V. Brelsky. 1,740,536; Dec. 24.
 Electrolytic cell, New type of. R. L. MacDonald. 1,740,659; Dec. 24.
 Electrotherapeutic machine. K. Stoye. 1,740,963; Dec. 24.
 Elevator. J. N. Hicks and C. Severns. 1,741,055; Dec. 24.
 Elevator. G. Rossien. 1,740,905; Dec. 24.
 Empty and load brake. B. F. Kurtz. 1,740,545; Dec. 24.
 Engine: See—
 Gas engine. Rotary engine.
 Internal-combustion engine.
 Engine muffler. W. T. Searritt. 1,741,078; Dec. 24.
 Envelope. S. C. Jones. 1,741,059; Dec. 24.
 Exhaust silencer for internal-combustion engines. C. H. Brice. 1,740,805; Dec. 24.
 Extinguisher and receiver, Cigarette. R. B. Mattson. 1,740,820; Dec. 24.
 Eyeshield, Motorist's. F. W. Magee. 1,741,001; Dec. 24.
 Eyes, Artificial. J. H. Wilhelm. 1,740,675; Dec. 24.
 Fabric: See—
 Bedspring fabric.
 Fabric and the like, Electrically-heated. W. D. Graham. 1,741,054; Dec. 24.
 Fastener and means for assembling and aligning the elements. Slider-operated. G. W. Blair. 1,740,763; Dec. 24.
 Fastener. Casement-window. L. Parker. 1,740,830; Dec. 24.
 Fastening for bed rails, Corner. S. Ford. 1,741,051; Dec. 24.
 Fastening-inserting machine. W. E. Collette. 1,740,498; Dec. 24.
 Faucet. C. J. Sonner. 1,740,879; Dec. 24.
 Faucet, Convertible. J. M. Keeler. 1,740,602; Dec. 24.
 Feed mechanism. G. H. Neldinger. 1,741,033; Dec. 24.
 Feed-water heater. P. Dugelay. 1,741,124; Dec. 24.
 Feeder, Poultry. W. N. Tucker. 1,741,083; Dec. 24.
 Feeding apparatus. E. G. Gartin. 1,740,683; Dec. 24.
 Feeding mechanism. E. T. Hall. 1,740,692; Dec. 24.

Felling machine, Blindstitch. C. W. Mueller. 1,740,901; Dec. 24.
 Felling machine, Blindstitch. S. G. Tate. 1,740,882; Dec. 24.
 Fender for motor cars, Safety. J. R. Vallé. 1,740,526; Dec. 24.
 Filament rectifier, Hot. E. W. Brelsche. 1,740,494; Dec. 24.
 File, Rotary. H. P. Lambert. 1,740,467; Dec. 24.
 Filling device. J. C. Scyl. 1,741,119; Dec. 24.
 Firearms, Coaching and aiming apparatus for. R. M. Bair. 1,740,561; Dec. 24.
 Fire extinguisher. C. C. Munson. 1,740,665; Dec. 24.
 Fireplace. W. F. Muir. 1,740,990; Dec. 24.
 Fire screen. C. W. Wheelock. 1,740,486; Dec. 24.
 Fishing pole. H. E. Schmedien. 1,740,908; Dec. 24.
 Fishing tackle. D. Newton and F. A. Holdener. 1,741,034; Dec. 24.
 Flashing for walls and chimneys. L. Vallas. 1,740,753; Dec. 24.
 Flexible coupling. M. W. Morgan. 1,740,617; Dec. 24.
 Float, Impervious seaplane. C. A. Van Dusen. 1,740,846; Dec. 24.
 Flotation process. H. T. Koenig, O. A. Fischer, E. F. Hafer, and A. B. Clappitt. 1,741,028; Dec. 24.
 Flotation process. S. P. Lowe and H. T. Koenig. 1,741,030; Dec. 24.
 Flue-bulging machine. F. W. Strachauer and F. B. Gillett. 1,740,792; Dec. 24.
 Fluid motor. F. H. Parker and K. H. Kolpien. 1,740,710; Dec. 24.
 Fluid-pressure motor. J. L. Bartleson. 1,740,676; Dec. 24.
 Fluid-pressure motor. E. G. Gartin. 1,740,688; Dec. 24.
 Fluid-pressure motor. T. R. E. Rundqvist. 1,740,713-14; Dec. 24.
 Fluid-projecting apparatus. L. M. McBridge. 1,740,471; Dec. 24.
 Fluids, Conditioning. U. O. Hutton. 1,740,462; Dec. 24.
 Fluxer. G. Komarek. 1,740,657; Dec. 24.
 Folding chair. W. B. Clarin. 1,740,806; Dec. 24.
 Folding machine. A. A. Cashman. 1,740,454; Dec. 24.
 Forging machine. C. F. Osgood. 1,740,708; Dec. 24.
 Frame: See—
 Side frame.
 Frame adjustment. Wheeled-harrow. E. M. Smith. 1,740,841; Dec. 24.
 Frame and spring structure, Side. E. W. Webb. 1,740,912; Dec. 24.
 Fuel-supply system. C. H. Braselton and F. B. MacLaren. 1,740,450; Dec. 24.
 Furnace: See—
 Open-hearth furnace.
 Furnace, Operating an open-hearth. W. Trinks. 1,741,002; Dec. 24.
 Furnace structure and method of operation, Open-hearth. R. B. Kernohan, J. S. Lochhead, and W. Trinks. 1,741,048; Dec. 24.
 Furniture, Convertible article of. M. C. Berry. 1,741,048; Dec. 24.
 Fuse, Electric. T. E. Murray. 1,740,698-9; Dec. 24.
 Fuse for switchboard protection, Self-soldering heat-coil. H. F. Skidmore. 1,740,480; Dec. 24.
 Galleries and tunnels for mines and the like, Construction of. H. Schaefer. 1,740,961; Dec. 24.
 Game. R. L. Voniersaar. 1,740,799; Dec. 24.
 Garment hanger. W. H. Battis. 1,740,566; Dec. 24.
 Gas engine. W. F. Stanton. 1,740,790; Dec. 24.
 Gas purification. D. L. Jacobson. 1,741,113; Dec. 24.
 Gate: See—
 Car-loading gate. Railroad-crossing gate.
 Gate construction, End. G. L. Wackerow. 1,740,755; Dec. 24.
 Gauge: See—
 Mortise gauge.
 Gauge. C. E. Johansson. 1,740,695; Dec. 24.
 Gear, Power-transmission. G. Wels. 1,740,750; Dec. 24.
 Gear-shifting-lever guide. R. E. Ashton. 1,740,916; Dec. 24.
 Gear-shifting apparatus. J. J. Lildal. 1,740,823; Dec. 24.
 Gear wheel, Flexible. G. H. Koch. 1,740,656; Dec. 24.
 Gearing, Variable-speed transmission. H. E. Brown. 1,740,725; Dec. 24.
 Generating foam, mixtures of liquid and gaseous substances, mixtures of different liquids and different gases, or emulsions. R. Schnabel. 1,740,840; Dec. 24.
 Generator: See—
 Sound generator.
 Geometrical instrument. O. A. E. Hoyer. 1,740,597; Dec. 24.
 Glass, Apparatus for making composite. W. O. Lytle. 1,740,989; Dec. 24.
 Glass or the like, Building. H. C. Callender. Des. 80,163; Dec. 24.
 Glass, quartz, or ceramic materials into metal caps and similar metal articles, Melting or fusing. K. Donat. 1,740,443; Dec. 24.
 Glass sheets, Apparatus for handling. W. G. Koupal and J. H. Redshaw. 1,741,026; Dec. 24.
 Glass-surfacing apparatus. H. K. Hitchcock. 1,741,021; Dec. 24.
 Golf bag. G. A. Howe. 1,741,057; Dec. 24.
 Governor for pressure-fluid-operated tools. E. H. Shaff. 1,740,669; Dec. 24.
 Graded-finder system. W. Aitken. 1,740,559; Dec. 24.
 Grain-cracking machine. D. Sensenbaugh. 1,740,787; Dec. 24.
 Graphic instrument. E. H. Greibach. 1,740,456; Dec. 24.

Grinder, Multiple-cylinder. M. C. Hutto. 1,740,461; Dec. 24.
 Gun lock. A. H. Dykes. 1,741,125; Dec. 24.
 Guy-line tightener. S. W. Hillier. 1,740,982; Dec. 24.
 Hair curler, Electrically-operated. J. Kremer. 1,740,988; Dec. 24.
 Hammer, Pressure-fluid. V. S. Killingsworth. 1,740,818; Dec. 24.
 Hanger: See—
 Clothes hanger. Pipe hanger.
 Garment hanger.
 Haulage mechanism. R. C. Osgood. 1,740,702; Dec. 24.
 Headlight, Nonglare. C. A. Haas. 1,740,507; Dec. 24.
 Headlight-turning means for vehicles. A. E. Adam. 1,740,913; Dec. 24.
 Headrests for barber chairs, Placement for. J. R. Emmert and W. Grimmich. 1,740,648; Dec. 24.
 Heat-exchange apparatus. G. W. Watts. 1,741,043; Dec. 24.
 Heater: See—
 Feed-water heater. Windshield heater.
 Heater. J. Teller. 1,740,671; Dec. 24.
 Heater for waving hair. C. G. Nessler. Rel. 7,536; Dec. 24.
 Heel and making the same, Rubber. W. B. Wescott. 1,740,633; Dec. 24.
 Heel, Detachable. A. C. Farrar. 1,740,976; Dec. 24.
 Heel lift for boots or shoes. C. Roberts. 1,741,037; Dec. 24.
 Heel-seat-trimming machine. A. C. Rogge and H. Gordon. 1,740,667; Dec. 24.
 Heel, Shoe. P. Jones. 1,740,655; Dec. 24.
 High-speed feed for sheet metal. R. W. Strout. 1,740,844; Dec. 24.
 Highway-template construction and maintenance machine. C. E. Hair. 1,741,127; Dec. 24.
 Hinge and mounting therefor. W. H. McBarron. 1,740,866; Dec. 24.
 Hinge for rear gates. G. Kuhlman. 1,740,772; Dec. 24.
 Hoist. R. C. Osgood. 1,740,707; Dec. 24.
 Hoisting mechanism. C. F. Osgood. 1,740,706; Dec. 24.
 Hoisting mechanism. R. C. Osgood. 1,740,704-5; Dec. 24.
 Holder for marking tickets. O. H. Pierce. 1,740,832; Dec. 24.
 Holder for portable meters, Fuse. B. G. La Bar. 1,740,466; Dec. 24.
 Holder for yarn packages. A. L. Remington. 1,740,784; Dec. 24.
 Holder, Garment. R. Bass. 1,740,643; Dec. 24.
 Holder, Mop. R. Bicks. 1,740,903; Dec. 24.
 Holder, Tap and die. O. A. Crosby. 1,740,887; Dec. 24.
 Holder, Work. K. F. Gallimore and R. M. Woytych. 1,740,542; Dec. 24.
 Hook: See—
 Safety hook.
 Horn, Tubular can-body. P. Kruse. 1,740,863; Dec. 24.
 Hose connection. O. A. Christensen. 1,740,574; Dec. 24.
 Hose reel and protector, Automatic. A. Read. 1,740,748; Dec. 24.
 Hose-drying apparatus. C. N. Harrington. H. T. May, and C. B. Maxfield. 1,740,942; Dec. 24.
 Humidifier. P. La Roche. 1,740,897; Dec. 24.
 Ice cubes, Device for forming. D. H. Fry. 1,740,503; Dec. 24.
 Ice-cutting machine. A. O. Goldstein. 1,741,053; Dec. 24.
 Illuminating means. F. Hamilton. 1,740,588; Dec. 24.
 Implement, Toothed. D. H. Young. 1,740,557; Dec. 24.
 Incubators, Charging for apparatus for. G. F. Lenk. 1,740,610; Dec. 24.
 Incubator and hatcher. F. H. McCoy. 1,740,741; Dec. 24.
 Incubators, Egg-turning means for. J. F. MacKay. 1,740,516; Dec. 24.
 Induction meter. W. Beusch. 1,740,569; Dec. 24.
 Insulator. A. O. Austin. 1,740,642; Dec. 24.
 Internal-combustion engine. C. C. Minter. 1,741,032; Dec. 24.
 Internal-combustion engine. B. C. Stickney. 1,740,843; Dec. 24.
 Iridescent products and making the same. M. C. Meyer. 1,740,615; Dec. 24.
 Iron: See—
 Pressing iron.
 Ironer, Flatwork. C. E. Hamilton. 1,740,980; Dec. 24.
 Ironing board. W. D. George. 1,741,052; Dec. 24.
 Jack for wood-heel-turning machine and the like, Air. R. L. Raymond. 1,740,934; Dec. 24.
 Joint: See—
 Ball joint. Universal joint.
 Joint construction for metal plating of airships. A. W. Agler. 1,740,492; Dec. 24.
 Joint for insulators and the like, Yielding. A. O. Austin. 1,740,638; Dec. 24.
 Knife-blade switch. C. C. Levy. 1,740,547; Dec. 24.
 Knife, Slug-trimming. S. E. Sperry. 1,741,079; Dec. 24.
 Knitted articles or fabrics and the manufacture thereof. W. H. Holland. 1,740,650; Dec. 24.
 Knitting machine and the like. F. Nelson. 1,740,618; Dec. 24.
 Label mounting for stamps. A. K. Smith, Jr. 1,740,630; Dec. 24.
 Lacing for shoes and other articles. H. Grosser. 1,740,506; Dec. 24.
 Lamp. A. von Frankenberg. Des. 80,203; Dec. 24.
 Lamp or analogous article. P. Cricchio. Des. 80,167; Dec. 24.
 Lamp or similar article. A. von Frankenberg. Des. 80,205; Dec. 24.

Lamp, Vehicle signal. H. W. Wilson. 1,740,637; Dec. 24.
 Lamp, Wrist driving signal. J. E. Nash. 1,740,778; Dec. 24.
 Landing stage. E. Pitou. 1,740,958; Dec. 24.
 Lantern, Electric railway signal. J. O. Hazel. 1,740,592; Dec. 24.
 Latch, Casket. W. L. Clark. 1,741,097; Dec. 24.
 Latch for lockers. P. Vignos. 1,740,672; Dec. 24.
 Latch for pivoted handles. W. G. Helmerdinger. 1,741,109; Dec. 24.
 Latex, Treating rubber. J. McGavack. 1,740,994; Dec. 24.
 Leaf-stemming device. C. F. Lindb. 1,740,611; Dec. 24.
 Leather belting for gluing or cementing, Preparing. W. S. Griffith. 1,741,105; Dec. 24.
 Leather-scratching machine. W. S. Griffith. 1,741,107; Dec. 24.
 Lens-beveling attachment for lens-edge-grinding machines. E. G. Robinson. 1,740,551; Dec. 24.
 Lid-supporting means for cabinets or boxes. J. A. Stone. 1,741,081; Dec. 24.
 Life-saving device for submarines. F. H. Lear. 1,740,948; Dec. 24.
 Lifting viscous fluids, Apparatus for. A. D. Kneuper. 1,740,821; Dec. 24.
 Light color screen. C. L. Kellert. 1,740,603; Dec. 24.
 Light-controlling means. A. Whitaker and C. O. Browne. 1,740,673; Dec. 24.
 Light projector. S. L. Leiby. 1,740,609; Dec. 24.
 Lighter. H. Shapiro. 1,740,628; Dec. 24.
 Lighter and cigarette holder, Combination pocket. C. H. Lawrence. Des. 80,179; Dec. 24.
 Lighter, Automatic. J. Rosenthal. Des. 80,188; Dec. 24.
 Lighter, Pocket. A. J. Lederer. Des. 80,180; Dec. 24.
 Lighter, Portable. G. Bettini. 1,740,568; Dec. 24.
 Lighting fixture. F. W. Mathieu. Des. 80,182; Dec. 24.
 Liquid and gas, Apparatus for mixing. K. Chogo. 1,740,441; Dec. 24.
 Lock: See—
 Casket lock. Nut lock.
 Door lock. Tumbler lock.
 Gun lock.
 Lock for gas cocks, Safety. W. O. Knehn and T. Wesolowski. 1,740,945; Dec. 24.
 Lock for interlocking machine levers, Electric. I. W. Vensel. 1,741,003; Dec. 24.
 Lock for removable sections of antiskid chains, Detachable. H. H. Wehringer. 1,740,847; Dec. 24.
 Lock or similar article, Wardrobe trunk. J. B. Russ. Des. 80,189; Dec. 24.
 Locomotive, Articulated tank. W. Thormann. 1,740,797; Dec. 24.
 Looms, Feeler mechanism for. P. Keegan. 1,741,114; Dec. 24.
 Loud-speaker. P. F. Findelsen. 1,740,446; Dec. 24.
 Luggage, Retainer. M. C. Skaggs and C. Mallette. 1,740,670; Dec. 24.
 Lumber-stabilizing device. L. Cappelletti. 1,741,010; Dec. 24.
 Machine for cutting gaskets. V. Wright. 1,740,530; Dec. 24.
 Machine for cutting meat, etc. P. D. Trear. 1,741,042; Dec. 24.
 Machine for digging up ground from below the surface. M. Jaeger. 1,740,923; Dec. 24.
 Machine for displaying advertising matter. E. E. Blake. 1,741,092; Dec. 24.
 Machine for inserting belt lacing. G. E. Purple. 1,740,959; Dec. 24.
 Machine for making composite sheets. L. McCarthy. 1,740,662; Dec. 24.
 Machine for mixing road material. J. W. Osborne. 1,741,035; Dec. 24.
 Machine for rock or coal cutting. F. J. B. Berry. 1,740,761; Dec. 24.
 Machine for trimming veneer. F. Diehl. 1,740,972; Dec. 24.
 Machine for twisting metal strips. W. Lowe. 1,740,612; Dec. 24.
 Map of the world, Elastic globe. A. Landini. 1,740,927; Dec. 24.
 Marine vessel, Engine-driven. K. F. J. Kirsten. 1,740,820; Dec. 24.
 Mat for hot plates, Luncheon. M. Taunnenholz. Des. 80,194; Dec. 24.
 Match package, Multiple-card. A. Orschinnikoff. 1,740,476; Dec. 24.
 Mattress, Box-spring. S. L. Rubin. 1,741,038; Dec. 24.
 Measuring and distributing system, Liquid. R. Porte. 1,740,875; Dec. 24.
 Measuring instrument, Electrical. P. MacGahan. 1,740,548; Dec. 24.
 Measuring of time intervals. N. F. Agnew. 1,741,006; Dec. 24.
 Metal for painting, Preparing. J. H. Gravell. 1,740,731; Dec. 24.
 Metal-lined pipe, Precast concrete. T. De La Mare. 1,741,049; Dec. 24.
 Metal-working machine. S. A. Asquith. 1,740,721; Dec. 24.
 Metallic beryllium, Production of. W. Kroll. 1,740,857; Dec. 24.
 Metallic xanthates, Manufacture of. C. J. T. Cronshaw and W. J. S. Naunton. 1,740,809; Dec. 24.
 Meter: See—
 Induction meter.

Mill roller. C. P. Brasington. 1,740,940; Dec. 24.
 Mining apparatus. M. P. Holmes. 1,741,112; Dec. 24.
 Mining machine. M. P. Holmes. 1,741,129; Dec. 24.
 Mining machine. M. P. Holmes. 1,741,131; Dec. 24.
 Mining machine. C. B. Osceola. 1,741,134; Dec. 24.
 Mining machine. C. F. Osgood. 1,741,130; Dec. 24.
 Mining machine. C. F. Osgood. 1,741,132-3; Dec. 24.
 Mixer: See—
 Culinary mixer. Rotary mixer.
 Mixer for road materials. F. H. Cummer. 1,741,013; Dec. 24.
 Mold: See—
 Crock-making mold.
 Moldboard attachment. L. R. Miller. 1,740,519; Dec. 24.
 Molding machine. T. E. McFall. 1,740,775; Dec. 24.
 Molding machine. J. T. Ramsden. 1,741,116; Dec. 24.
 Molding machine, Kamaboko. C. Kajiwara. 1,741,023; Dec. 24.
 Molding machines, Control for jarring. D. J. Campbell. 1,740,766; Dec. 24.
 Mortise gauge. J. F. Meyer. 1,740,473; Dec. 24.
 Moth eliminator. W. Newsom. 1,741,068; Dec. 24.
 Motion-transmitting mechanism. D. R. Scholes. 1,740,627; Dec. 24.
 Motor: See—
 Chamber motor. Fluid-pressure motor.
 Drilling motor. Steam motor.
 Fluid motor.
 Motor with movable magnetic bridges, Induction. C. E. Johnson. 1,740,599; Dec. 24.
 Mounting, Ophthalmic. J. A. Sweeney. Des. 80,193; Dec. 24.
 Mounting, Shear-pin. O. C. Roosen. 1,740,838; Dec. 24.
 Mud flume. A. M. Griffin. 1,740,732; Dec. 24.
 Muller. L. G. Copes. 1,740,442; Dec. 24.
 Nailing machine. H. W. Morgan. 1,741,135; Dec. 24.
 Necktie. J. J. Hynes. 1,740,984; Dec. 24.
 Needle guard for sewing machines. M. Guhl. 1,740,853; Dec. 24.
 Notebook divider. O. S. Morgan. 1,741,066; Dec. 24.
 Nut lock. H. Rnsack. 1,741,077; Dec. 24.
 Nut-locking washer. E. Frischmuth. 1,740,852; Dec. 24.
 Oar, Metal. P. R. Andrews. 1,740,560; Dec. 24.
 Oils, Apparatus and process of treating hydrocarbon. C. J. Greenstreet. 1,740,691; Dec. 24.
 Oils, Conversion of hydrocarbon. E. E. Bartels. 1,741,045; Dec. 24.
 Oils, Refining of hydrocarbon. R. H. Gardner and H. G. Hodge. 1,740,584; Dec. 24.
 Oils, Refining of hydrocarbon. H. L. Pelzer. 1,740,625; Dec. 24.
 Open-hearth furnace. R. B. Kernohan and J. S. Lochhead. 1,741,024; Dec. 24.
 Opener, Oyster. E. Delonde. 1,741,015; Dec. 24.
 Ordnance, Carriage for light. H. Schuler and F. Linde. 1,740,907; Dec. 24.
 Outlet, Convenience. R. T. Hughes. 1,740,852; Dec. 24.
 Oven, Broiler. W. F. and J. C. Rogers. 1,740,785; Dec. 24.
 Packing for metallurgical refractories, Reactive. C. S. Hollander and E. L. Helwig. 1,741,128; Dec. 24.
 Packing, Metallic. F. J. Owen. 1,740,780; Dec. 24.
 Packing sleeve for overshots. E. H. Williams. 1,740,849; Dec. 24.
 Pajama pants. C. F. Trageser. 1,740,554; Dec. 24.
 Pan structure, Multiple. A. Præbell. 1,740,909; Dec. 24.
 Panel board, Residence. C. E. Hannay. 1,740,862; Dec. 24.
 Parking mechanism. M. O. De Camp. 1,740,920; Dec. 24.
 Pasting device, Label. W. L. Hampton and V. A. Tracy. 1,740,981; Dec. 24.
 Phase relations between stations, Controlling. H. Nyquist. 1,740,620; Dec. 24.
 Phase variations, Compensation for. H. A. Affel. 1,740,491; Dec. 24.
 Picker-stick check. A. Bergeron and O. Boutin. 1,741,047; Dec. 24.
 Picture apparatus, Moving. R. S. Blair. 1,740,677; Dec. 24.
 Picture projector, Motion. D. Le R. Mantle and G. L. Gordon. 1,740,932; Dec. 24.
 Picture-transmitting system, Cross-screen. R. H. Ranger. 1,740,834; Dec. 24.
 Pictures and the like, Electrical transmission of motion. W. Malm. 1,740,930; Dec. 24.
 Pigments, Mixing. A. R. Gairick. 1,740,979; Dec. 24.
 Pin or similar article. F. J. Cantrell. Des. 80,164; Dec. 24.
 Pipe: See—
 Metal-lined pipe.
 Pipe bend. A. Schmidt. 1,740,524; Dec. 24.
 Pipe hanger. L. R. Zifferer. 1,740,802-3; Dec. 24.
 Pipe union. R. G. Stallard. 1,740,910; Dec. 24.
 Piston, Pump. W. F. McMahon. 1,740,931; Dec. 24.
 Piston ring. A. M. Farmer. 1,740,812; Dec. 24.
 Piston-ring setter. P. W. Heinrich. 1,741,110; Dec. 24.
 Plane, Bench. J. Lund. 1,740,469; Dec. 24.
 Plaster-board joint reinforcement. C. R. Birdsey and F. A. Manske. 1,740,493; Dec. 24.
 Plastic compositions, Making. E. P. Carpenter. 1,740,573; Dec. 24.
 Plate for use in heel building, Equalizing. D. Parks. 1,740,871; Dec. 24.
 Plate, Wafer. A. Herboer. 1,740,649; Dec. 24.
 Pliers, Valve. M. H. Harter. 1,740,591; Dec. 24.
 Plow hitch, Anti-side-draft. P. Hansmann and H. Strack. 1,740,589; Dec. 24.

Plug fuses, Registering renewable. J. P. Gilliam. 1,741,018; Dec. 24.
 Plumbing fixture. V. E. Schmledenecht. 1,740,553; Dec. 24.
 Pocketbook. I. L. Peirce. 1,741,071; Dec. 24.
 Pole top pin for multiple construction. A. O. Austin. 1,740,641; Dec. 24.
 Potential supply means. B. D. Feld and T. C. Standbrook. 1,741,017; Dec. 24.
 Power attachment for motor vehicles. B. D. Barton. Re17,537-8; Dec. 24.
 Power-controlling apparatus. J. T. Cowley. 1,740,500; Dec. 24.
 Preheater for locomotives, Air. F. Ljungström, I. Broberg, and E. O. Eriksson. 1,740,696; Dec. 24.
 Preserving the luster of organic derivatives of cellulose. C. Dreyfus and H. Platt. 1,740,889; Dec. 24.
 Press: See—
 Blimming press.
 Pressing iron. B. Kraupner. 1,740,658; Dec. 24.
 Printing machine, Multituit. H. V. Ball. 1,741,122; Dec. 24.
 Projector. S. L. Leiby. 1,740,608; Dec. 24.
 Protective apparatus. C. J. Rodman and C. A. Styer. 1,740,477; Dec. 24.
 Pug mills, Clay-treating attachment for. J. Gretencort. 1,740,504; Dec. 24.
 Pump. J. Cornet y Oliveras. 1,741,070; Dec. 24.
 Pump. A. T. Dudley. 1,741,102; Dec. 24.
 Pump. C. A. Murdoch. 1,740,475; Dec. 24.
 Pump. C. A. Roberts. 1,740,523; Dec. 24.
 Pump, Automatic fluid-pressure. P. Subkow. 1,740,793; Dec. 24.
 Pump, Fuel. B. Greenfield. 1,740,587; Dec. 24.
 Pumping system. J. Oliphant. 1,741,069; Dec. 24.
 Pumping system. W. C. Parrish. 1,741,115; Dec. 24.
 Pumping system, Air-lift. R. E. C. Martin. 1,740,742; Dec. 24.
 Rack: See—
 Sheet-metal rack. Walker rack.
 Radiocabinet or the like. A. Vericel. Des. 80,202; Dec. 24.
 Radiocapenser. P. Zarate, Jr. 1,740,850; Dec. 24.
 Radio loud-speaker or the like. A. Vericel. Des. 80,200-1; Dec. 24.
 Radio receiving system. R. E. Lacault. 1,740,946; Dec. 24.
 Radiosignals, Comparing and selecting. R. H. Ranger. 1,740,833; Dec. 24.
 Radio transmission and reception, Exclusive. F. K. Vreeland. 1,740,964; Dec. 24.
 Radiotubes and the like, Stem-making machine for. C. Elser. 1,741,016; Dec. 24.
 Railroad-crossing gate. E. L. Irsik. 1,740,815; Dec. 24.
 Railroad frogs, Producing fillers for. D. E. Anderson. 1,740,720; Dec. 24.
 Railroad-platform bridge. A. E. Zoller and C. L. Fulghum. 1,740,937; Dec. 24.
 Railway, Amusement. L. S. Cassidy and M. Rempfer. 1,740,496; Dec. 24.
 Raincoat. A. Marquist. 1,740,614; Dec. 24.
 Reactor, R. R. J. S. Hebrew. 1,740,458; Dec. 24.
 Reamer. M. C. Daw. 1,740,647; Dec. 24.
 Reamer, Expansion. J. E. Kilzer. 1,740,986; Dec. 24.
 Receiver arrangement. S. Loewe. 1,740,864; Dec. 24.
 Record, Ash. S. J. Kimball. 1,740,514; Dec. 24.
 Record-changing mechanism for disk-record sound-reproducing machines. F. H. Seal and H. Hawkins. 1,741,040; Dec. 24.
 Reflecting device. H. F. Delmanhorst. 1,741,100; Dec. 24.
 Reflecting device. L. R. Zehnder. 1,741,087-8; Dec. 24.
 Reflector. W. Wilson. 1,740,488; Dec. 24.
 Refrigerating device. D. F. Keith. 1,740,737; Dec. 24.
 Refrigerating unit for attachment to ice-boxes. M. P. Wetmore. 1,740,848; Dec. 24.
 Register: See—
 Cash register. Sliding register.
 Relay device. W. Koch. 1,740,465; Dec. 24.
 Retaining washer, Lubricant. R. J. Look. 1,740,929; Dec. 24.
 Rider. C. B. and E. R. Polhemus. 1,740,874; Dec. 24.
 Ritz, Rotary. H. Pennington. 1,741,140; Dec. 24.
 Rim for motor truck wheels. R. R. Keith. 1,740,738; Dec. 24.
 Rimming press. A. R. Krause. 1,740,987; Dec. 24.
 Ring: See—
 Piston ring.
 Rings for radial-flow turbines, Making blade. O. A. Wilberg. 1,740,800; Dec. 24.
 Road construction, Penetration method of. E. C. Wallace. 1,740,718; Dec. 24.
 Rock drill. E. G. Gartin. 1,740,684; Dec. 24.
 Roller: See—
 Mill roller.
 Roller screen. J. F. Kaletay. 1,740,816; Dec. 24.
 Rotary engine. G. Pitt. 1,741,072; Dec. 24.
 Rotary engine. J. E. Tuscher. 1,741,084; Dec. 24.
 Rotary mixer. J. C. Lyle. 1,740,613; Dec. 24.
 Rubber and leather or other material, Method and apparatus for uniting crude. E. F. H. Enna. 1,740,580; Dec. 24.
 Rugs and the like, Apparatus for finishing and rolling cleaned. H. Klein. 1,740,925; Dec. 24.
 Safety device for avoiding back-firing in carburetors. C. M. V. Allenou. 1,740,760; Dec. 24.

Safety device, Motor-vehicle. W. M. S. Kilgour. 1,740,895-6; Dec. 24.
 Safety hook. J. P. Ratigan. 1,740,782; Dec. 24.
 Safety stop. A. F. Case. 1,740,726; Dec. 24.
 Salt or pepper shaker or similar article. J. W. Jennings. Des. 80,177; Dec. 24.
 Sash construction. J. C. Owens and E. Wofford. 1,740,622; Dec. 24.
 Saw, Kerfing. G. W. Warmoth. 1,740,555; Dec. 24.
 Sawing machine, Lumber. G. M. Pelton. 1,740,998; Dec. 24.
 Sawing machines or the like, Automatic feed for. H. Thiel. 1,741,082; Dec. 24.
 Screen: See—
 Fire screen. Roller screen.
 Light-color screen.
 Screen. W. L. D'Olier. 1,740,578; Dec. 24.
 Screw machines, Device for closing and opening the vise jaws of automatic. A. Briese and R. Callow. 1,740,495; Dec. 24.
 Seal, Pipe-coupling. R. Salbador. 1,740,479; Dec. 24.
 Sealing ring for jars. A. M. Rini. 1,740,904; Dec. 24.
 Seat: See—
 Bath seat.
 Serving table. G. M. Patterson. 1,740,831; Dec. 24.
 Settee or similar article. C. Stoll. Des. 80,192; Dec. 24.
 Sewing machine, Feed-off-the-arm. N. V. Christensen and H. J. Le Vesconte. 1,741,095-6; Dec. 24.
 Sewing-machine frame, Portable. R. L. Plumley. Des. 80,185; Dec. 24.
 Sewing machine, Oversewing. C. R. Colt. 1,740,808; Dec. 24.
 Shade-pull clasp. A. Eiring. 1,740,975; Dec. 24.
 Shaft seal. J. O. Carrey. 1,740,682; Dec. 24.
 Sharpening apparatus, Lawn-mowers. C. Knauf. 1,740,464; Dec. 24.
 Sheet-metal rack. W. N. Vance. 1,740,754; Dec. 24.
 Shelter, Thatched stock. O. H. Heine. 1,740,510; Dec. 24.
 Shield for eyeglasses, Glare. G. J. Riderich. 1,740,835; Dec. 24.
 Shingle. H. A. Teeple. 1,740,883; Dec. 24.
 Shock absorber for use in vehicle suspension. E. A. Hellstrand. 1,740,734; Dec. 24.
 Shoe stiffeners, Method of and machine for softening. E. E. Sablin. 1,740,478; Dec. 24.
 Shoes, Manufacture of. L. J. Bazzoni. 1,740,448; Dec. 24.
 Shovel: See—
 Cultivator shovel. Utility shovel.
 Side frame. D. S. Barrows. 1,740,663-5; Dec. 24.
 Side frame. D. S. Barrows and B. W. Kadel. 1,740,562; Dec. 24.
 Side frame. B. W. Kadel. 1,740,600; Dec. 24.
 Sign. J. D. White. 1,740,674; Dec. 24.
 Sign and manufacturing the same. M. C. Rosenfeld and F. E. McCabe. 1,741,118; Dec. 24.
 Sign, Illuminated. J. Hotchner. 1,740,736; Dec. 24.
 Sign, Illuminated. E. O. Tilbe. 1,740,845; Dec. 24.
 Sign or emblem, Electric-lighted display. W. E. Price. 1,740,747; Dec. 24.
 Sign or poster board, Sectional. W. R. Bell. 1,740,534; Dec. 24.
 Signal light and unit assembly, Multiple. H. C. Foster. 1,740,541; Dec. 24.
 Signaling device, Automobile. H. J. Murray. 1,740,777; Dec. 24.
 Signboard, Animated. R. Cordill and H. C. Yunker. 1,740,499; Dec. 24.
 Singeing machine, Electric. T. Mural, I. Saeki, and H. Sato. 1,740,776; Dec. 24.
 Skylight construction. A. Shuman. 1,740,749; Dec. 24.
 Slicing machine, Vegetable. N. H. McFarland. 1,740,472; Dec. 24.
 Sliding register. J. V. Petrelli. 1,740,626; Dec. 24.
 Snap switch. C. E. Hannay. 1,740,861; Dec. 24.
 Snare. J. Kleffman. Re17,534; Dec. 24.
 Snubber. B. B. Holmes. 1,740,460; Dec. 24.
 Snubber for concrete-mixer skips. A. W. Rybeck. 1,740,786; Dec. 24.
 Sound generator. E. Huefer. 1,740,651; Dec. 24.
 Spindle mounting for creels. A. L. Remington. 1,740,783; Dec. 24.
 Splint. C. Carvill. 1,741,011; Dec. 24.
 Spool for looms and other textile machines. P. Fröh and K. Braun. 1,740,502; Dec. 24.
 Spoon or similar article. A. G. Kintz. Des. 80,210; Dec. 24.
 Spotlight. H. A. Kleigl. 1,740,463; Dec. 24.
 Spotlight, Vehicle. W. R. Shaw. 1,740,909; Dec. 24.
 Spraying apparatus. O. H. Wurster. 1,740,759; Dec. 24.
 Spring: See—
 Coffin spring.
 Sprinkling device for locomotive ash pans. L. Kassander. 1,740,601; Dec. 24.
 Stand: See—
 Drill stand.
 Standard. Street-lighting. H. S. Clarke. Des. 80,166; Dec. 24.
 Standards, Arm for street-lighting. H. S. Clarke. Des. 80,165; Dec. 24.
 Steering wheel and forming same. G. E. Smith. 1,740,750; Dec. 24.
 Stencil sheet and backing. W. H. Kurth. 1,741,029; Dec. 24.
 Step, Pole. C. L. Peirce, Jr. 1,740,873; Dec. 24.
 Storage and reclaiming system. R. H. Beaumont. 1,740,722; Dec. 24.

ALPHABETICAL LIST OF INVENTIONS

Storage battery, Alkaline. E. B. Miller. 1,740,518; Dec. 24.
 Stove, Cooking. I. D. Grook. 1,740,505; Dec. 24.
 Stove, Heating. C. G. Schott. 1,740,506; Dec. 24.
 Stove inclosure. A. Schierer. 1,740,668; Dec. 24.
 Stove, Liquid-fuel cook-. G. E. Pickup. 1,740,745-6; Dec. 24.
 Stove structure, Collapsible. J. Ironside. 1,740,943; Dec. 24.
 Stream motor. H. I. Hohlt. 1,740,595-6; Dec. 24.
 Structural plate, Combination. P. Langguth. 1,740,928; Dec. 24.
 Stucco or brick veneer wall, Steel interlocked, asbestos-sheathed. J. D. Lawrence. 1,740,898; Dec. 24.
 Stuffing-box gland. B. H. McGuire. 1,740,907; Dec. 24.
 Submarine rescue apparatus. J. P. Ayer. 1,740,532; Dec. 24.
 Sugar, Manufacturing. M. S. Hershey. 1,740,603; Dec. 24.
 Sulphate of ammonia, Preparation of. S. Robson. 1,740,837; Dec. 24.
 Sunshade for photographic objectives. E. Wandersleb and H. Kunze. 1,740,529; Dec. 24.
 Support, Pipe and radiator. J. A. Faber. 1,740,769; Dec. 24.
 Support, Rail. L. M. Adams. 1,741,005; Dec. 24.
 Support, Violin. I. von Linprun. 1,740,824; Dec. 24.
 Supporting and clamping device. C. Sauer. 1,740,876; Dec. 24.
 Swing, Baby. M. Luery. 1,740,949; Dec. 24.
 Swing, Porch. P. F. Reddick. 1,741,075; Dec. 24.
 Switch: See—
 Electrical switch. Snapswitch.
 Knife-blade switch. Vehicle indicator switch.
 Switch mechanism. F. E. Freers. 1,740,977; Dec. 24.
 Table: See—
 Serving table.
 Table and ironing board, Combination wall. T. B. Chandler. 1,741,094; Dec. 24.
 Tabulator for typewriters, Decimal. C. Kupfer. 1,740,926; Dec. 24.
 Tamping machine. P. F. Connelly. 1,740,538; Dec. 24.
 Tank filler pipe and closure, Gasoline. L. Q. Pickering. 1,740,522; Dec. 24.
 Tank-sealing device. E. G. Friedman. 1,741,104; Dec. 24.
 Tape, Measuring. A. Langsner. 1,740,947; Dec. 24.
 Telegraph and telephone system, Wireless. L. de Forest. 1,740,577; Dec. 24.
 Telegraphy, Picture. G. M. Wright, S. B. Smith, and N. E. Davis. 1,740,490; Dec. 24.
 Telephone bookstand and calendar, Combination. M. Henschel. 1,740,855; Dec. 24.
 Telephone system. T. F. Crocker. 1,741,098; Dec. 24.
 Telephone and telegraphy, System of secret radiant. J. H. Hammond, Jr. 1,740,859; Dec. 24.
 Thrashers, Feeder construction for harvester. A. R. Blewett. 1,740,723; Dec. 24.
 Tin-plate-spotting machine. C. E. McManus. 1,740,697; Dec. 24.
 Tire-building machine. G. F. Wike. 1,740,635; Dec. 24.
 Tire, Nonskid. T. Midgley. 1,740,616; Dec. 24.
 Tire, Vehicle. J. W. Walker. 1,740,206; Dec. 24.
 Toilet box or similar container. L. A. Danco. 1,740,169; Dec. 24.
 Toilet seats, Sanitary attachment for. O. R. Kuehne. 1,740,544; Dec. 24.
 Token control. E. T. Schmidt. 1,740,962; Dec. 24.
 Tool, Bearing-aligning. I. R. Robinson. 1,740,836; Dec. 24.
 Tool box and workbench, Combined. G. W. Mack. 1,740,470; Dec. 24.
 Tool, Corn-head. M. F. Marks. 1,740,825; Dec. 24.
 Tool for attaching eye sets. S. Marcus. 1,740,991; Dec. 24.
 Tool for placing or removing piston-pin-retaining rings. W. W. Hartman. 1,740,590; Dec. 24.
 Tool, Rock-drilling. E. G. Gartin. 1,741,126; Dec. 24.
 Tool, Well-drilling. B. K. Appleman. 1,740,915; Dec. 24.
 Tooth, Artificial. F. S. Trusler. 1,740,483; Dec. 24.
 Toupee and wig and making the same. E. Bong. 1,740,764; Dec. 24.
 Toy and the like. C. R. Williams. 1,740,884; Dec. 24.
 Toy, Figure. E. E. France. 1,741,103; Dec. 24.
 Toy locomotives, Tender for. J. E. Cuff. 1,740,168; Dec. 24.
 Toy telephone. N. N. Hill. 1,741,020; Dec. 24.
 Traction mechanism. M. P. Holmes. 1,740,694; Dec. 24.
 Tractor. D. P. Davies. 1,740,810; Dec. 24.
 Tractor and semitrailer. F. M. Reid. 1,740,935; Dec. 24.
 Tractor attachment for pipe cleaners. F. McManis. 1,740,663; Dec. 24.
 Traffic-controlling apparatus, Railway. A. J. Sorensen. 1,741,001; Dec. 24.
 Traffic warning device. R. C. Eckstrand. 1,740,501; Dec. 24.
 Trailer hitch and tire carrier. M. P. Valine. 1,741,085; Dec. 24.
 Transmission and control means for machine tools, Fluid. F. A. Parsons. 1,740,744; Dec. 24.
 Transmission system, Duplex. H. Chireix. 1,740,969; Dec. 24.
 Trap: See—
 Animal trap.
 Trap fitting, Sanitary. R. N. Murphy. 1,740,902; Dec. 24.
 Tray, Card-table. H. R. Naylor. 1,741,136; Dec. 24.
 Tray-filling machine. S. T. Hoyt and R. M. Botley. 1,740,803; Dec. 24.
 Tread clearer. E. O. Carvin. 1,740,537; Dec. 24.
 Tread-rolling device. C. H. Desautels. 1,740,579; Dec. 24.
 Trimming machine. J. A. Brogan. 1,740,451; Dec. 24.
 Trolley hoist, Electric. C. H. Rasmussen. 1,741,074; Dec. 24.
 Trolley wheel. J. Neumann. 1,740,619; Dec. 24.
 Truck, Car. I. C. Hicks. 1,740,511; Dec. 24.
 Truck for tractor-drawn implements. L. E. Smith. 1,740,751; Dec. 24.
 Truck, Industrial. E. H. Remde. 1,740,712; Dec. 24.
 Truck, Railway. J. Aello. 1,740,914; Dec. 24.
 Truck, Railway. E. G. Hallquist. 1,740,508; Dec. 24.
 Trucks, Centering appliance for locomotive trailing. J. G. Blunt. 1,740,440; Dec. 24.
 Truss. H. G. Norwood. 1,740,952-3; Dec. 24.
 Tube: See—
 Cord-reinforced tube.
 Tube coupling. K. O. Muehlberg. 1,740,664; Dec. 24.
 Tube device. L. Sutherland and H. M. Freeman. 1,740,481; Dec. 24.
 Tumbler lock. S. F. Briggs. 1,741,093; Dec. 24.
 Underreamer. W. B. Nichols. 1,740,829; Dec. 24.
 Universal joint. J. N. Curlee. 1,741,099; Dec. 24.
 Urinal. A. Hansen. 1,740,860; Dec. 24.
 Utility shovel. R. A. Wornstaff. 1,741,004; Dec. 24.
 Vacuum cleaner. F. Tyson. 1,740,525; Dec. 24.
 Vacuum discharge device, Electrical. A. P. H. G. Nickel and J. J. Spanner. 1,740,700; Dec. 24.
 Valve. La V. Drake. 1,740,811; Dec. 24.
 Valve device. C. B. Mack. 1,740,774; Dec. 24.
 Valve for drilling rigs, Back-pressure. E. Gray and R. A. Mueller. 1,740,770; Dec. 24.
 Valve for internal-combustion engines. D. G. F. White. 1,740,758; Dec. 24.
 Valve mechanism. A. J. Adam. 1,741,090; Dec. 24.
 Valve-operating mechanism. H. C. A. Meyer. 1,741,004; Dec. 24.
 Valve operation for absorption refrigerator systems, Liquor-transfer. R. E. Schurtz. 1,740,715; Dec. 24.
 Valve tappet, Composite-metal. G. R. Rich. 1,740,600; Dec. 24.
 Vehicle brake. W. R. McDonnell. 1,740,993; Dec. 24.
 Vehicle, Dumping. T. Nolen and R. T. Perline. 1,740,779; Dec. 24.
 Vehicle indicator switch. J. L. Wettlaufer. 1,740,634; Dec. 24.
 Vehicle, Mechanically-propelled. W. T. Bell and F. J. Bretherton. 1,741,091; Dec. 24.
 Vending machine, Coin-controlled. F. C. Roberts. 1,741,000; Dec. 24.
 Ventilator: See—
 Crank-case ventilator.
 Ventilator. E. Kausch. 1,740,817; Dec. 24.
 Ventilator device. H. Paine and J. J. Readle. 1,740,954; Dec. 24.
 Walker rack, Straw. A. B. Welty. 1,740,719; Dec. 24.
 Wall construction. G. L. Bradshaw. 1,740,570; Dec. 24.
 Wall covering or similar article of manufacture in sheet form. H. T. Abolin. 1,740,158; Dec. 24.
 Wall fixture. R. A. Zeidler. 1,740,209; Dec. 24.
 Washer: See—
 Nut-locking washer. Retaining washer.
 Washer-feeding machine. E. B. Carter. 1,740,968; Dec. 24.
 Washing granular material. A. J. Mason. 1,741,063; Dec. 24.
 Washing machine. A. W. Altortfer. 1,740,938; Dec. 24.
 Washing machine, Fruit. N. J. Ofstad. 1,740,869-70; Dec. 24.
 Water-closet combination. B. O. Tilden. 1,740,197; Dec. 24.
 Water cooler. J. N. Gennis. 1,740,585; Dec. 24.
 Water-softening apparatus. C. P. Eisenhauer. 1,740,540; Dec. 24.
 Weather strip. A. J. and A. R. P. Spanjers. 1,740,539; Dec. 24.
 Weaving. R. Crompton. 1,740,768; Dec. 24.
 Weighing apparatus. J. W. Taylor. 1,740,795; Dec. 24.
 Weighing device, Automatic. W. Timson. 1,740,798; Dec. 24.
 Weight, Garment. A. Levenson. 1,741,060; Dec. 24.
 Welding apparatus. Electric pipe. W. E. Rupley. 1,741,076; Dec. 24.
 Welding flux. W. B. Miller. 1,741,031; Dec. 24.
 Welding system, Arc. C. J. Holmslag. 1,740,983; Dec. 24.
 Wheat, Tempering. A. Gillespie. 1,740,892; Dec. 24.
 Wheel: See—
 Gear wheel.
 Trolley wheel.
 Windshield cleaner. C. H. Stedtfeld. 1,740,535; Dec. 24.
 Windshield heater. N. K. Isaak. 1,741,058; Dec. 24.
 Window attachment. C. B. Gilmore. 1,740,586; Dec. 24.
 Window construction. J. J. Bridler. 1,740,724; Dec. 24.
 Window-raising mechanism. R. J. Hansen. 1,740,733; Dec. 24.
 Window-screen fixture. I. Roberge. 1,740,960; Dec. 24.
 Wire or the like, Mechanism for and method of coiling. F. Honig. 1,741,056; Dec. 24.
 Wireless cluster. P. D. Phillips. 1,740,950; Dec. 24.
 Wrapping machines, Package conveyor for bread. F. Farmer. 1,740,582; Dec. 24.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 24, 1929

NOTE—First number=class, second number=subclass, third number=patent number.

1- 10: 1,741,135	32- 11: 1,740,796	72- 16: 1,740,493	105- 205: 1,740,600	132- 48: 1,741,073	177- 320: 1,740,778
41: 1,740,498	33- 89: 1,740,597	174- 1,740,898	219: 1,740,511	56: 1,740,764	353: 1,740,455
49: 4: 1,740,959	178: 1,740,695	26: 1,740,928	452: 1,740,995	79: 1,740,854	1,740,487
12: 1,741,061	197: 1,740,473	54: 1,741,049	106- 38: 1,740,573	134- 25: 1,740,518	1,740,556
13: 1,740,835	12: 1,740,680	128: 1,740,825	107- 8: 1,741,023	136- 134: 1,741,046	1,740,534
132: 1,740,614	24: 1,740,681	73- 51: 1,740,762	108- 16: 1,740,749	137- 75: 1,740,524	1,740,534
132: 1,741,060	5: 1,740,927	74- 7: 1,740,756	26: 1,740,753	103: 1,740,715	1,740,980
146: 1,740,994	12: 1,741,060	29: 1,740,656	110- 22: 1,740,985	104: 1,740,774	1,740,480
224: 1,740,554	34: 1,740,655	34: 1,740,838	57: 1,740,696	153: 1,740,669	44: 1,740,491
108: 1,740,860	35: 1,741,037	39: 1,740,788	109: 1,740,610	160: 1,740,805	1,740,621
155: 1,740,444	36: 1,740,976	39: 1,740,916	171: 1,740,601	171: 1,740,078	1,740,856
245: 1,740,544	37- 87: 1,740,923	58: 1,740,822	175: 1,740,457	139- 170: 1,741,047	179- 18: 1,740,559
26: 1,740,598	108: 1,741,127	59: 1,740,725	112- 63: 1,741,095	232: 1,740,768	27: 1,741,098
66: 1,740,906	107: 1,740,497	109: 1,740,728	171: 1,740,096	270: 1,741,114	109: 1,740,446
170: 1,740,789	16: 1,740,630	174: 1,740,812	162: 1,740,808	423: 1,740,474	180- 1: 1,740,920
288: 1,741,051	31: 1,740,517	174: 1,740,931	177: 1,740,882	143- 168: 1,740,908	22: 1,741,091
351: 1,741,038	33: 1,741,092	75- 15: 1,740,752	174: 1,740,901	171: 1,741,082	53: R. 17,537
5: 1,740,889	40: 1,741,050	17: 1,740,857	226: 1,740,853	144- 90: 1,740,972	R. 17,538
174: 1,740,890	107: 1,740,497	45: 1,740,678	113- 60: 1,740,863	133: 1,740,555	72: 1,740,810
8: 1,740,716	125: 1,740,855	76- 5: 1,740,708	121: 1,740,872	285: 1,740,470	181- 32: 1,740,651
24: 1,740,560	7: 1,741,044	77- 7: 1,741,044	114- 16: 1,740,532	307: 1,741,010	182- 22: 1,740,902
89: 1,740,495	75: 5: 1,740,947	78- 99: 1,741,033	16: 7: 1,740,948	145- 11: 1,740,469	183- 121: 1,740,462
101: 1,740,604	131: 1,740,888	80- 1: 1,740,781	115- 1,740,986	146- 69: 1,741,042	184- 4: 1,740,627
17: 1,740,667	132: 1,740,747	81- 5: 1: 1,740,591	129: 1,740,941	194: 1,740,472	55: 1,740,686
42: 1,740,448	137: 1,740,674	83- 6: 1,740,787	135: 1,740,978	199: 1,740,933	43: 1,740,726
50: 1,740,871	140: 1,740,736	10: 1,740,442	16: 1,740,510	202: 1,740,868	62: 1,741,012
52: 1,740,478	42: 1,741,125	12: 1,740,940	37: 1,740,741	174: 1,740,870	96: 1,740,794
55: 1,740,454	94: 1,740,561	28: 1,740,892	44: 1,740,616	148- 8: 1,740,731	189- 55: 1,740,583
87: 1,740,934	18: 1,740,908	62: 1,741,033	61: 1,741,063	150- 1.5: 1,741,037	191- 60: 1,740,619
1: 1,740,958	27: 1,741,034	73: 1,741,013	5: 1,740,708	37: 1,741,071	192- 48: 1,740,455
13: 1,740,525	43: 1,740,521	84- 281: 1,740,524	6: 1,740,685	38: 1,741,009	194- 61: 1,740,955
33: 1,740,546	63: 1,740,583	88- 1: 1,740,520	7: 1,740,684	54: 1,741,105	196- 28: 1,740,584
88: 1,740,663	87: 1,740,632	9: 1,740,683	54: 1,741,077	54: 1,741,077	49: 1,740,691
229: 1,740,903	44: 1,740,476	1,741,088	13: 1,740,445	152- 14: 1,740,616	55: 1,740,625
255: R. 17,535	45- 26: 1,740,831	1,741,100	1,740,692	14: 1,740,616	58: 1,741,045
96: 1,740,939	75: 1,741,136	16: 8: 1,740,932	1,740,701	78: 1,740,612	197- 1: 1,740,878
145: 1,740,866	80: 1,740,814	18: 1,740,677	1,741,126	81: 1,740,792	178: 1,740,926
9: 1,741,015	102: 1,741,006	24: 1,740,490	12: 1,740,676	2.5: 1,740,662	198- 42: 1,740,921
1: 1,740,968	138: 1,740,489	39: 1,740,970	1,740,713	10: 1,740,579	102: 1,740,723
2: 1,740,957	40: 1,740,660	61: 1,740,673	14: 1,740,766	10: 1,740,579	189: 1,740,607
50: 1,740,994	1,740,675	27: 1,740,690	27: 1,740,690	41: 1,740,580	209: 1,740,905
59: 1,740,633	1,741,103	28: 1,740,688	45: 9: 1,740,883	45: 9: 1,740,883	215: 1,741,019
59: 1,740,750	45: 1,740,888	90- 21: 1,740,744	1,740,689	155- 46: 1,741,048	199- 59: 1,741,079
59: 1,740,644	46: 1,741,020	91- 50: 1,740,697	1,740,714	58: 1,740,949	200- 15: 1,740,547
156: 1,740,990	47- 58: 1,740,484	62: 5: 1,741,089	80: 1,740,818	58: 1,741,075	16: 1,740,977
18: 1,740,572	48- 190: 1,740,613	68: 1,740,979	44: 1,740,877	66: 1,741,075	16: 1,740,535
40: 5: 1,741,058	49- 2: 1,741,016	70: 1,740,615	46: 1,740,811	143: 1,740,808	143: 1,740,452
50: 1,740,724	14: 1,740,989	70: 2: 1,740,639	70: 1,740,704	188: 1,740,648	30: 1,740,515
56: 4: 1,740,622	81: 1,740,443	93- 2: 1,740,582	8: 1,741,084	156- 10: 1,740,974	52: 1,740,896
69: R. 17,539	81: 1,740,443	68: 1,740,981	25: 1,740,897	14: 1,740,960	59: 1,740,634
26: 1,741,116	106: 1,740,551	23: 1,740,718	53: 1,740,846	33: 1,740,586	97: 1,740,465
48: 1,740,775	184: 3: 1,740,461	43: 1,740,922	65: 1,740,700	39: 1,740,816	106: 1,740,911
1: 1,740,840	235: 1,741,021	48: 1,740,580	90: 1,740,975	40: 1,740,975	121: 1,741,018
3: 1,741,113	246: 1,740,464	55: 1,740,874	93: 1,741,000	44: 1,740,735	124: 1,740,480
119: 1,740,837	53- 6: 1,740,999	103: 1,740,941	142: 1,740,760	36: 1,740,450	174: 1,740,533
161: 1,740,549	10: 1,740,649	134: 1,740,619	190: 1,740,768	59: 1,740,745	127: 1,740,699
252: 1,740,482	55- 10: 1,740,557	198: 1,740,739	191: 1,741,032	118: 1,740,636	129: 1,740,466
101: 1,741,027	70: 1,741,004	238: 1,740,751	38: 1,740,943	7: 1,741,064	131: 1,740,698
126: 1,740,982	80: 1,740,894	88: 1,740,954	39: 1,740,512	63: 1,740,451	145: 1,740,861
129: R. 17,534	93: 1,740,992	97: 1,740,817	41: 1,740,739	71: 1,740,530	150: 1,740,531
143: 1,740,506	61- 45: 1,740,951	101: 1,740,626	1,740,785	166- 19: 1,740,449	151: 1,740,858
205: 1,740,763	62- 45: 1,740,565	90: 1,740,671	90: 1,740,671	167- 14: 1,740,543	151: 1,740,858
236: 1,740,847	92: 1,740,509	102- 4: 1,741,036	121: 1,740,996	169- 26: 1,740,665	162: 1,740,640
238: 1,740,782	1,740,587	103- 4: 1,740,			

CLASSIFICATION OF PATENTS

115— 98: 1,740,881	234— 5: 1,740,456	247— 25: 1,740,767	254— 186: 1,740,705	265— 58: 1,740,795	287— 90: 1,740,971
117— 60: 1,741,081	36: 5: 1,741,006	17: 1,740,769	19: 1,741,140	1: 5: 1,741,128	1: 1,740,929
119— 8: 1,741,076	2: 1,740,944	30: 1,740,553	20: 1,740,761	14: 1,740,900	37: 1,740,895
8: 1,740,983	27: 1,740,829	31: 1,740,765	75: 1,740,829	25: 1,740,886	48: 1,740,827
1,741,031	236— 45: 1,740,867	1,740,802	81: 1,740,915	10: 1,740,460	84: 1,740,830
25: 1,740,658	238— 26: 1,741,005	1,740,803	257— 224: 1,741,043	37: 1,740,894	288: 1,741,039
46: 1,741,054	240— 3: 1,740,463	37: 1,740,876	259— 9: 1,740,657	268— 61: 1,740,951	304: 1,741,097
1: 1,740,947	10: 5: 1,740,603	250— 6: 1,740,964	96: 1,740,504	126: 1,740,733	293— 37: 1,740,526
29: 1,740,522	41: 1,740,507	9: 1,740,577	101: 1,740,938	5: 1,741,122	55: 1,740,527
45: 1,741,104	1,740,606	1,740,859	108: 1,741,055	2: 4: 1,740,844	294— 90: 1,740,849
55: 1,741,111	1,740,609	122: 1,740,709	122: 1,740,709	86: 1,740,552	91: 1,741,055
85: 1,740,477	61: 1,740,909	260— 11: 1,740,809	61: 1,740,771	10: 1,740,842	296— 36: 1,740,755
100: 1,740,875	62: 1,740,913	16: 1,741,138	72: 1,740,801	88: 1,741,086	56: 1,740,772
17: 1,740,942	73: 1,740,458	17: 1,740,620	84: 1,740,819	131: 1,740,799	298— 23: 1,740,779
62: 1,740,566	103: 1,740,957	20: 1,740,867	69: 1,740,453	17: 1,740,040	299— 24: 1,741,068
64: 1,740,643	78: 1,741,056	72: 1,740,917	72: 1,740,917	1: 1,740,542	78: 1,740,748
29: 1,740,670	130: 1,740,502	27: 1,740,864	77: 1,740,441	75: 1,740,645	84: 1,740,879
1,741,085	131: 1,740,784	27: 1,740,864	92: 1,740,594	31: 1,741,014	89: 1,740,471
2: 1,741,067	9: 1,740,500	27: 5: 1,740,481	28: 1,741,112	33: 1: 1,740,712	130: 1,740,759
46: 1,740,865	243— 3: 1,740,839	251— 127: 1,740,770	30: 1,741,129	124: 1,740,734	301— 12: 1,740,738
34: 1,740,873	31: 1,740,492	132: 1,740,602	1,741,131	44: 1,740,832	49: 1,721,065
5: 6: 1,740,966	41: 1,741,022	164: 1,740,945	1,741,132	46: 1,740,780	302— 28: 1,741,041
5: 7: 1,740,828	245— 5: 1,741,007	54: 1,741,133	1,741,133	87: 1,740,664	303— 23: 1,740,545
71: 1,741,059	63: 1,741,001	140: 1,740,710	1,741,134	122: 1,740,910	305— 9: 1,740,537
21: 1,740,967	138: 1,741,003	254— 184: 1,740,702	1,741,002	150: 1,740,910	308— 187: 1,740,475
25: 1,741,117	293: 1,740,815	185: 1,740,707	1,741,024	7: 1,740,682	312— 57: 1,741,000
54: 1,740,924	247— 2: 1,740,730	1,740,694	1,741,025	33: 1,740,997	190: 1,740,888
96: 1,741,101	10: 1,740,862	1,740,706	1,740,706	287— 90: 1,740,740	193: 1,740,672
117: 1,740,918					

U. S. GOVERNMENT PRINTING OFFICE: 1929

Dec. 31, 1929

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Addington, Daisy B., Tampa, Fla. Hair-waving solution. 265,570; Dec. 31; Serial No. 287,733; published Oct. 15, 1929. Class 6.

Adjusta Co., New York, N. Y. Abdominal and sanitary belts. 265,587; Dec. 31. Class 44.

Alsop, William K. (See Teas, William H., assignor.)

Amenta, Angelo, Johnstown, Pa. Hair tonic. 265,627; Dec. 31. Class 6.

American Forestry Company, The. (See Borst, Theodore F.)

American Steam Gauge & Valve Mfg. Co., Boston, Mass., assignor to Consolidated Ashcroft Hancock Company, New York, N. Y. Valves. 76,984; renewed Mar. 1, 1930.

Apotein Aktiengesellschaft, Zurich, Switzerland. Negative moulding mass. 265,496; Dec. 31; Serial No. 285,319; published Sept. 24, 1929. Class 1.

Arden, Elizabeth, Inc., New York, N. Y. Cream. 265,639; Dec. 31. Class 6.

Aronson-Caplin Company, Inc., New York, N. Y. Silk crepe and cotton crepe. 265,541; Dec. 31; Serial No. 288,772; published Oct. 15, 1929. Class 42.

Artistic Shoe Company, Inc., Brooklyn, N. Y. Shoes, slippers, boots, etc. 265,618; Dec. 31. Class 39.

Atkinson, E. E. & Co., Minneapolis, Minn. Hats and lingerie. 265,619; Dec. 31. Class 39.

Auld, D. L., Company, The, Columbus, Ohio. Plywood for airplanes. 265,550; Dec. 31; Serial No. 287,556; published Oct. 15, 1929. Class 12.

Aurora Corset Company, Aurora, Ill. Corsets. 77,607; renewed Apr. 26, 1930.

Badger Specialty Company, Manitowoc, Wis. Account books. 265,614; Dec. 31. Class 37.

Baker, Sally, Candy Shops, Inc., Brooklyn, N. Y. Chocolates and candies. 265,645; Dec. 31. Class 46.

Barnett Canvas Goods & Bag Co., Inc., Philadelphia, Pa. Tents, grave linings, canopies, etc. 265,533; Dec. 31; Serial No. 284,319; published Oct. 15, 1929. Class 50.

Baron, H. & Co., Inc., Brooklyn, N. Y. Fruit preserves, jelly, and canned crushed fruits. 265,599; Dec. 31. Class 46.

Barrymore Seamless Wiltons, Inc., The, Philadelphia, Pa. Textile carpets. 265,653; Dec. 31. Class 42.

Beacon Manufacturing Company, New Bedford, Mass. Blankets. 265,599; Dec. 31; Serial No. 260,973; published Oct. 15, 1929. Class 42.

Bear Malt Products Company. (See Rubin, Henry.)

Bennett, E. W., and Company, assignor to George E. Bennett, doing business as E. W. Bennett & Co., San Francisco, Calif. Metal polish. 76,907; renewed Feb. 22, 1930.

Berliner, Edwin E. & Co., New York, N. Y. Cotton piece goods. 265,512; Dec. 31; Serial No. 229,083; published Oct. 15, 1929. Class 42.

Bilrite Collar Co., New York, N. Y. Men's collars. 265,633; Dec. 31. Class 39.

Blankinship, Daniel W., Brooklyn, Md. Preparation for the nerves, rheumatism, and neuritis. 265,572; Dec. 31; Serial No. 287,690; published Oct. 15, 1929. Class 6.

Borst, Theodore F., doing business as The American Forestry Company, Framingham Center, Mass. Horticultural growths. 265,513; Dec. 31; Serial No. 283,371; published Oct. 1, 1929. Class 1.

Bowers, Edward C., and Charles L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Straight-tooth cylinder for carding cotton. 265,641; Dec. 31. Class 23.

Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery. 265,490; Dec. 31; Serial No. 286,805; published Oct. 15, 1929. Class 39.

Brown's, George, Sons, Inc., Mount Joy, Pa. Silk piece goods. 265,652; Dec. 31. Class 42.

Burgess-Norton Mfg. Company, Geneva, Ill. Hatchets, screw drivers, and steel knives. 77,222; renewed Mar. 22, 1930.

Burnett, Ezerton, Ltd., to Frank Jennings Burnett, doing business as Ezerton Burnetts, Wellington, England, successor. Serzes. 76,324; renewed Jan. 4, 1930.

Caldwell, Ira, deceased, assignor to Elizabeth H. Tompkins, trustee, doing business as Ira Caldwell Drug Company, Newburgh, N. Y. Herb tea. 33,045; renewed June 6, 1929.

California Prune & Apricot Growers Association, San Jose, Calif. Dried fruits. 265,604; Dec. 31. Class 46.

Carbox Chemical Company, West End, N. J. Oxidizing chemical or catalytical agent. 265,582; Dec. 31; Serial No. 286,154; published Oct. 15, 1929. Class 6.

Carquinez Packing Co., assignor to G. W. Hume Company, San Francisco, Calif. Canned fruits. 77,197-8; renewed Mar. 22, 1930.

Cary and Company, Inc., Binghamton, N. Y. Suits, overalls, jackets, etc. 265,651; Dec. 31. Class 39.

Catchings, William B., Raleigh, N. C. Bituminous composition for roadways. 265,546; Dec. 31; Serial No. 287,906; published Oct. 15, 1929. Class 12.

Century Cement Corporation, Rosendale, N. Y. Cement for construction work. 265,523; Dec. 31; Serial No. 280,630; published Oct. 15, 1929. Class 12.

Choctaw Clay Corporation, New Orleans, La. Fuller's earth. 265,529; Dec. 31; Serial No. 286,419; published Oct. 15, 1929. Class 1.

Cleveland Stone Company, The, Cleveland, Ohio. Certain named stone. 34,353; renewed Mar. 20, 1930.

Colorado Fuel & Iron Company, Denver, Colo. Coal. 265,491-2; Dec. 31; Serial Nos. 286,817-8; published Oct. 1, 1929. Class 1.

Comet Rice Company. (See Seaboard Rice Milling Co.)

Compagnie Generale d'Electricite, Paris, France. Embroidery and lace in piece goods. 265,537; Dec. 31; Serial No. 283,665; published Oct. 15, 1929. Class 42.

Con-Ferro Paint and Varnish Co., The, St. Louis, Mo. Stipple wall finish. 265,552; Dec. 31; Serial No. 287,793; published Oct. 1, 1929. Class 12.

Connelly Iron Sponge & Governor Company, New York, to Connelly Iron Sponge & Governor Company, Long Island City, N. Y. Purifying material for gas. 77,904; renewed May 17, 1930.

Consolidated Ashcroft Hancock Company. (See American Steam Gauge & Valve Mfg. Co., assignor.)

Crocker-McElwain Company, Holyoke, Mass. Writing paper. 77,905-8; renewed May 17, 1930.

Curtiss Candy Company, The, Chicago, Ill. Chewing gum. 265,613; Dec. 31. Class 46.

Dahlstedt Nurseries. (See Maytrott, Warren W.)

Darkite Corporation, Nashville, Tenn. Light projectors. 265,583; Dec. 31; Serial No. 281,411; published Oct. 15, 1929. Class 21.

Darison, Gohat, St. Louis, Mo. Fur-scarf hangers. 265,573; Dec. 31; Serial No. 287,651; published Sept. 24, 1929. Class 50.

De Berard, Wilford H., doing business as De Berard Grape Growers, Cucamonga, Calif. Fresh deciduous fruits. 265,609; Dec. 31. Class 46.

De Grandmont, Ernest, assignor to E. de Grandmont, Inc., New York, N. Y. Coutilis, batistes, satins, etc. 75,846; renewed Nov. 23, 1929.

De Montagnac, E. & Fils, Sedan, France. Woolen piece goods. 265,503; Dec. 31; Serial No. 268,851; published Oct. 15, 1929. Class 42.

Denver Fire Clay Company, The, Denver, Colo. Refractory fire-brick material. 265,548; Dec. 31; Serial No. 287,743; published Sept. 24, 1929. Class 12.

Depyro Laboratories, Portland, Me. Brushes for artificial teeth and plates. 265,478; Dec. 31; Serial No. 289,344; published Oct. 15, 1929. Class 29.

Des Rosieres Patents Company, Inc., Providence, R. I. Golf balls. 265,650; Dec. 31. Class 22.

Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics. 265,642; Dec. 31. Class 42.

Deutsche Edelstahlwerke A. G., Bochum, Germany. Steel. 265,482; Dec. 31; Serial No. 288,899; published Oct. 8, 1929. Class 14.

Dickey, John R., deceased, Bristol, Tenn., assignor to John R. Dickey, Jr., and Herman S. Dickey, executors, doing business as Dickey Drug Company, Bristol, Va. Eye-water. 76,355; renewed Jan. 11, 1930.

Dickey, W. S., Clay Manufacturing Co., Kansas City, Mo. Fire brick. 265,474; Dec. 31; Serial No. 278,211; published Oct. 1, 1929. Class 12.

Dixon, John, & Co., to O. T. Limited, Prahran, near Melbourne, Victoria, Australia, successor. Nonalcoholic extract. 75,694; renewed Nov. 2, 1929.

Dodge Steel Company, Philadelphia, Pa. Alloy-steel castings. 265,487; Dec. 31; Serial No. 287,960; published Oct. 8, 1929. Class 14.

Donnelley, R. R., & Sons Company, Chicago, Ill. Printed pictures and pictorial illustrations. 77,407; renewed Apr. 5, 1930.

Dormeyer, A. F. Mfg. Co., Chicago, Ill. Electric-motor-driven food mixers. 265,585; Dec. 31. Class 21.

Du Pont Vicoloid Company. (See Pacific Novelty Company, assignor.)

Duralith Corporation, New York, N. Y. Material in the nature of a plastic composition. 265,514; Dec. 31; Serial No. 283,183; published Oct. 15, 1929. Class 12.

Duraloy Company, The, Pittsburgh, Pa. Metal alloys. 265,497; Dec. 31; Serial No. 285,256; published Oct. 15, 1929. Class 14.

Dwight Lumber Co., The, San Francisco, Calif. Lumber. 265,557; Dec. 31; Serial No. 285,735; published Oct. 15, 1929. Class 12.

Dyrkerhoff, Eduard. (See Pennrich & Company, Inc.)

Elseman's Inc., Atlanta, Ga. Men's suits. 265,638; Dec. 31. Class 39.

Electro Bleaching Gas Company, New York, N. Y. Specially-treated chlorine gas. 76,714; renewed Feb. 8, 1930.

Engelbreton Grupe Co., Los Angeles, Calif. Fresh vegetables. 265,608; Dec. 31. Class 46.

Evans & Howard Fire Brick Co., St. Louis, Mo. Fire brick. 265,566; Dec. 31; Serial No. 288,116; published Oct. 1, 1929. Class 12.

Fairchild Aviation Corporation, New York, N. Y. Aeroplanes. 265,501; Dec. 31; Serial No. 271,596; published Oct. 15, 1929. Class 19.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Farchild Publications Corp., New York, N. Y. Articles or news columns for magazines, newspapers, and trade papers, etc. 265,654; Dec. 31. Class 38.

Farrand, Clair L., Long Island City, N. Y. Loud-speakers. 265,598; Dec. 31. Class 21.

Feldman Brothers Company Inc., New York, N. Y. Stockings. 265,634; Dec. 31. Class 39.

Federal Paper Stock Co., St. Louis, Mo. Waste of cotton, wool, and mixtures thereof. 265,494; Dec. 31; Serial No. 286,237; published Oct. 8, 1929. Class 1.

Fee & Mason Manufacturing Company, Inc., New York, N. Y. Flushometers, toilet chairs for water-closet supports, roof and floor drainers, etc. 265,493; Dec. 31; Serial No. 286,318; published Oct. 15, 1929. Class 13.

Feldman, Charles L. (See Bowers, Edward C.)

Fleetwood Auto Trunk & Supply Co., Inc., Jamaica, N. Y. Automobile trunks. 265,637; Dec. 31. Class 3.

Florsheim Shoe Company, The, assignor to The Florsheim Shoe Company, Chicago, Ill. Cloth and leather boots and shoes. 77,632; renewed Apr. 26, 1930.

Forrest Fabrics Corporation, New York, N. Y. Silk piece goods. 265,519; Dec. 31; Serial No. 282,534; published Oct. 15, 1929. Class 42.

Foster, F. A. & Co. Inc., as assignee of F. A. Foster & Co., assignor, by mesne assignments, to F. A. Foster & Company, Incorporated, New York, N. Y. Textiles. 77,716; renewed May 3, 1930.

Frazier Paint Company, Detroit, Mich. Paints and paint products, etc. 265,635; Dec. 31. Class 10.

Friedman, Dorothy, Mount Vernon, N. Y. Rouges, face powders, face creams, etc. 265,577; Dec. 31; Serial No. 286,574; published Oct. 15, 1929. Class 6.

Fulton Bag & Cotton Mills, Atlanta, Ga. Furniture pads. 265,524; Dec. 31; Serial No. 280,441; published Oct. 15, 1929. Class 50.

G. & M. Stores, Inc., Davenport, Iowa. Wheat flour, coffee, peanut butter, etc. 265,527; Dec. 31; Serial No. 286,322; published Oct. 15, 1929. Class 46.

Gellman, Benjamin, doing business as Paloma Manufacturing Company, Philadelphia, Pa. Hairdressing cream. 265,598; Dec. 31; Serial No. 262,389; published Nov. 20, 1928. Class 6.

General Flooring & Stucco Corporation, New York, N. Y. Cement stucco, magnesite stucco, and plaster. 265,544; Dec. 31; Serial No. 288,297; published Oct. 1, 1929. Class 12.

General Refractories Company, Philadelphia, Pa. High-temperature refractory cement. 265,528; Dec. 31; Serial No. 286,613; published Oct. 15, 1929. Class 12.

Glassberg, Joseph, New York, N. Y. Shoes. 265,617; Dec. 31. Class 39.

Glasson, Ernest F., San Juan Bautista, Calif. Fresh pears. 265,643; Dec. 31. Class 46.

Glofelty, Webster B., Sharpburg, to Webster B. Glofelty, Pittsburg, Pa. Dental cement and root filler. 77,642; renewed Apr. 26, 1930.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Hose. 265,596; Dec. 31. Class 35.

Gossett Mills, Anderson, S. C. Cotton, silk, etc. piece goods. 265,555; Dec. 31; Serial No. 286,118; published Oct. 15, 1929. Class 42.

Grant & Hall Laboratories, St. Louis, Mo. Composition for use in treating hair. 265,574; Dec. 31; Serial No. 287,470; published Oct. 15, 1929. Class 6.

Grat Northern Products Co., Chicago, Ill. Aluminum ware. 265,483-4; Dec. 31; Serial Nos. 288,233-4; published Oct. 15, 1929. Class 13.

Gretsch & Brenner, Inc., New York, N. Y. Musical instruments. 265,589; Dec. 31. Class 36.

Harris-Thomas Company, assignor to Harris-Thomas Company, Roxbury, Mass. Plastic, self-hardening material. 265,597; Dec. 31. Class 16.

Hartman Electrical Mfg. Co., The, Mansfield, Ohio. Spraying apparatus and systems. 265,610; Dec. 31. Class 23.

Hartman Mfg. Co., Vincennes, Ind., to Hartman Mfg. Co., Evansville, Ind. Cultivators. 77,870; renewed May 10, 1930.

Hayden Watch Co. (See Isrel, Samuel.)

Heaton-Peninsular Button Fastener Company, Boston, Mass. Metallic fasteners. 76,951; renewed Mar. 1, 1930.

Heaton-Peninsular Button Fastener Company, Boston, Mass. Certain machines. 76,998; renewed Mar. 1, 1930.

Hinkel, J. J. Co., San Francisco, Calif. Wearing apparel. 265,616; Dec. 31. Class 39.

Hill & Griffith Co., The, Cincinnati, Ohio. Blend of natural materials to be used in molding and core sands. 265,505; Dec. 31; Serial No. 267,254; published Aug. 21, 1928. Class 1.

Hold-Tite Products Company, San Francisco, Calif. Adhesive liquid rubber coating. 265,601; Dec. 31. Class 5.

Hollander, A. & Son, Inc., Newark and Long Branch, N. J., Middletown, N. Y., and Montreal, Quebec, Canada. Fur skins. 265,565; Dec. 31; Serial No. 288,337; published Oct. 8, 1929. Class 1.

Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh fruits, fruit, orange jelly, orange marmalade, etc. 265,592; Dec. 31. Class 46.

Houston Coal Company, Cincinnati, Ohio. Coal. 265,575; Dec. 31; Serial No. 287,078; published Oct. 1, 1929. Class 1.

Howe Seale Co., The, Rutland, Vt. Sates. 77,241; renewed Mar. 22, 1930.

Hume, G. W., Company. (See Carquinez Packing Co., assignor.)

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Calcium metal, calcium alloys, magnesium alloys, etc. 265,569; Dec. 31; Serial No. 287,803; published Oct. 8, 1929. Class 14.

Inderrieden, J. B., Co., The. (See Waukesha Canning Company, The, assignor.)

Isrel, Samuel, doing business as Hayden Watch Co., New York, N. Y. Watches. 265,632; Dec. 31. Class 27.

Jacobs, Walter C., Newark, N. J. Electrotypes. 77,734; renewed May 3, 1930.

Jenner Glaswerk Schott & Gen., Jena, Germany. Thermometer tubes and thermometers. 265,636; Dec. 31. Class 26.

Jenkins & Macy Company, Rochester, N. Y. Anthracite and bituminous coal, canal coal, and coke. 265,498; Dec. 31; Serial No. 276,545; published Oct. 1, 1929. Class 1.

Johns-Manville Corporation, New York, N. Y. Felts for lining or filling walls, floors, etc. 265,571; Dec. 31; Serial No. 287,731; published Sept. 24, 1929. Class 12.

Juillard, A. D. & Co., Inc., New York, N. Y. Fabrics. 265,532; Dec. 31; Serial No. 284,357; published Oct. 15, 1929. Class 42.

Kahn & Frank, New York, N. Y. Hosiery. 77,515; renewed May 10, 1930.

Keen Corporation, Seattle, Wash. Wheel toys. 265,611; Dec. 31. Class 22.

"Keramag" Keramische Werke Aktien-Gesellschaft, Bonn, Germany. Bathtubs, lavatories, toilet bowls, and drinking fountains. 265,534; Dec. 31; Serial No. 284,182; published Oct. 15, 1929. Class 13.

Knight Products, Inc., Cincinnati, Ohio. Coal. 265,522; Dec. 31; Serial No. 281,145; published Oct. 1, 1929. Class 1.

Kolster Radio Corporation, Newark, N. J. Radio broadcast receiving apparatus, loud-speakers, etc. 265,612; Dec. 31. Class 21.

Koppers Company, The, Pittsburgh, Pa. Raw or partly-prepared product from coal and oil. 265,476; Dec. 31; Serial No. 277,373; published Oct. 1, 1929. Class 1.

Koppers Company, The, Pittsburgh, Pa. Raw or partly-prepared product from coal and oil. 265,502; Dec. 31; Serial No. 269,027; published Oct. 1, 1929. Class 1.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Certain foods. 76,561; renewed Jan. 25, 1930.

Lawresco, Inc., New York, N. Y. Lambskins. 265,551; Dec. 31; Serial No. 287,535; published Oct. 15, 1929. Class 1.

Leontine, Incorporated. (See Manning, Minnie S., assignor.)

Les Parfums de Molyneux, Inc., New York, N. Y. Perfume, toilet waters, lotions, etc. 265,590; Dec. 31. Class 6.

Lewendahl, Walther, Shoe Co. Inc., New York, N. Y. Sandals. 265,620; Dec. 31. Class 39.

Magnolia Metal Company, New York, N. Y. Antifriction metals, alloys, and journal bearings. 34,606; renewed May 1, 1930.

Manning, Minnie S., Chester, Vt., assignor, by mesne assignments, to Leontine, Incorporated, West Hartford, Conn. Cleaning and polishing preparations. 77,534; renewed Apr. 19, 1930.

Markwell Manufacturing Co., Inc., New York, N. Y. Hatchets, hammers, crate openers, etc. 265,481; Dec. 31. Class 23.

May Department Stores Company, The, St. Louis, Mo. Shoes. 265,621; Dec. 31. Class 39.

Mayer, Max, doing business as Max Mayer & Co., Long Beach and New York, N. Y. Gloves. 265,615; Dec. 31. Class 39.

Maytrott, Warren W., doing business as Dahladel Nurseries, Vineland, N. J. Dahlia tubers, plants, etc. 265,531; Dec. 31; Serial No. 284,479; published Oct. 15, 1929. Class 1.

McConnell Mfg. Company, Newark, N. J. Electrical windshield wipers and cleaners. 265,593; Dec. 31. Class 19.

McKesson & Robbins, Incorporated. (See Moore, Richard J.)

McNeely Company, Philadelphia, Pa. Glazed kid. 265,581; Dec. 31; Serial No. 286,356; published Oct. 1, 1929. Class 1.

Merkle Willey Broom Co., to Merkle Broom Co., Paris, Ill., successor. Brooms. 77,660-1; renewed Apr. 26, 1930.

Metalcraft Corporation, assignor to The Metalcraft Corporation, St. Louis, Mo. Toy airship construction sets. 265,649; Dec. 31. Class 22.

Midland Coal Sales Company, Cincinnati, Ohio. Coal. 265,560; Dec. 31; Serial No. 267,005; published July 24, 1928. Class 1.

Mid-West Home Service Company, The, Indianapolis, Ind. Composition roofing. 265,545; Dec. 31; Serial No. 287,941; published Oct. 1, 1929. Class 12.

Minute Tapioca Company, Orange, Mass., assignor, by mesne assignments, to Minute Tapioca Company, Inc., New York, N. Y. Prepared tapioca. 75,870; renewed Nov. 29, 1929.

Miscoult Egg & Poultry Company, Sedalia, Mo. Dressed poultry. 265,591; Dec. 31. Class 46.

Moore, Richard J., New York, N. Y., to McKesson & Robbins, Incorporated, Bridgeport, Conn., successor. Foot powder. 70,255; renewed Dec. 28, 1929.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Morton, Warner G., to Warner G. Morton, Albany, N. Y., successor. Anthracite coal. 77,780; renewed May 3, 1930.

Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 265,554; Dec. 31; Serial No. 286,834; published Oct. 15, 1929. Class 42.

National Coffee Co., to National Coffee Co., Fort Worth, Tex., successor. Coffee and tea. 76,527; renewed Jan. 25, 1930.

National Fabric & Finishing Company, Boston, Mass., and New York, N. Y. Printed cotton piece goods. 265,507; Dec. 31; Serial No. 266,614; published Oct. 15, 1929. Class 42.

National Washboard Company, Chicago, Ill. Washboards. 265,485-6; Dec. 31; Serial Nos. 288,027-8; published Oct. 15, 1929. Class 24.

Neuberger Chemical Corporation, Wilmington, Del., and Irvington, N. J. Paving material. 265,553; Dec. 31; Serial No. 286,949; published Oct. 1, 1929. Class 12.

New Castle Leather Co., Inc., New York, N. Y. Finished kid and goats' skin leather. 265,576; Dec. 31; Serial No. 286,894; published Oct. 1, 1929. Class 1.

Newport Company, The, Carrollville, Wis. Turpentine. 265,623; Dec. 31. Class 16.

Newport Company, The, Carrollville, Wis. Dyestuffs, zinc chloride, aluminum chloride, etc. 265,624; Dec. 31. Class 6.

Newport Company, The, Carrollville, Wis. Rosin. 265,625; Dec. 31. Class 1.

Newskin Company, Brooklyn, N. Y. Face cream. 265,479; Dec. 31; Serial No. 289,242; published Oct. 15, 1929. Class 6.

Norfolk Tank Corporation, Norfolk, Va. Iron and/or steel pipe. 265,594; Dec. 31. Class 13.

North American Refractories Company, Cleveland, Ohio. Fire clay and calcined fire clay. 265,489; Dec. 31; Serial No. 287,767; published Sept. 24, 1929. Class 1.

Northern Illinois Construction Company, Chicago, Ill. Concrete, bricks, lumber, etc. 265,525; Dec. 31; Serial No. 280,190; published Oct. 1, 1929. Class 12.

Norvell-Shapleigh Hardware Company, by change of name to Shapleigh Hardware Company, St. Louis, Mo. Locks and bolts. 77,750; renewed May 3, 1930.

Norvell-Shapleigh Hardware Company, by change of name to Shapleigh Hardware Company, St. Louis, Mo. Squares and wing dividers. 77,751; renewed May 3, 1930.

Norvell-Shapleigh Hardware Company, by change of name to Shapleigh Hardware Company, St. Louis, Mo. Tools. 77,752; renewed May 3, 1930.

Noveltex, Inc., New York, N. Y. Cotton, silk, and cotton and silk fabrics in the piece. 265,543; Dec. 31; Serial No. 288,483; published Oct. 15, 1929. Class 42.

O. T. Limited. (See Dixon, John, & Co.)

Oelwein Chemical Co., Oelwein, Iowa. Cod-liver-oil powder. 265,561; Dec. 31; Serial No. 289,288; published Oct. 15, 1929. Class 6.

Oliver-Flinn Co., Memphis, Tenn. Baking powder. 77,753; renewed May 3, 1930.

Doors. 265,622; Dec. 31. Class 12.

Pacific Novelty Company, assignor to Du Pont Viscoloid Company, New York, N. Y. Hairpins and combs. 76,195; renewed Dec. 28, 1929.

Pacific Star Roof Company. (See Star Roof Co., Inc.)

Paidar, Emil J., Company, Chicago, Ill. Hairdressers' chairs, footrests, stools, etc. 265,600; Dec. 31. Class 22.

Paloma Manufacturing Company. (See Gellman, Benjamin.)

Parisian Company, The, Canton, Ohio. Hosiery. 265,640; Dec. 31. Class 39.

Peerless Wedge Company, Detroit, Mich. Wedges, anchors, hangers, and mountings for angle irons of walls. 265,646; Dec. 31. Class 12.

Pennrich & Co., Inc., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany. Peat mulch. 265,515; Dec. 31; Serial No. 282,677; published Oct. 15, 1929. Class 1.

Pennrich & Company, Inc., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany. Peat-moss bales for poultry litter. 265,516; Dec. 31; Serial No. 282,676; published Oct. 15, 1929. Class 1.

Pennrich & Company, Inc., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany. Peat dust. 265,517; Dec. 31; Serial No. 282,675; published Oct. 15, 1929. Class 1.

Pennrich & Company, Inc., New York, N. Y., assignor to Eduard Dyckerhoff, Blumenau, near Hanover, Germany. Peat-moss bales for stable bedding. 265,518; Dec. 31; Serial No. 282,674; published Oct. 15, 1929. Class 1.

Perlman, Selah and Stern, Inc., New York, N. Y. Linen tablecloths, napkins, etc. 265,558; Dec. 31; Serial No. 285,294; published Oct. 15, 1929. Class 42.

Phoenix Horse Shoe Company. (See Roberts, Samuel H.)

Piel Bros., Inc., Brooklyn, N. Y. Beverages. 265,630-1; Dec. 31. Class 45.

Pinkham & Smith Company, Boston, Mass. Marine and field glasses. 77,754; renewed May 3, 1930.

Plastic Stone Products Corp., New York, N. Y. Stucco and plastic coatings and plastic wall finishes. 265,578; Dec. 31; Serial No. 286,586; published Sept. 24, 1929. Class 12.

Plastic Stone Products Corp., New York, N. Y. Stucco and plastic coatings. 265,579; Dec. 31; Serial No. 286,585; published Oct. 1, 1929. Class 12.

Plastic Stone Products Corp., New York, N. Y. Stucco and plastic coatings and plastic wall finishes. 265,580; Dec. 31; Serial No. 286,584; published Sept. 24, 1929. Class 12.

Powers, John R., doing business as Rochester Street Signal Company, Rochester, N. Y. Signs and signals. 265,511; Dec. 31; Serial No. 234,447; published Oct. 1, 1929. Class 50.

Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits and canned vegetables. 76,599; renewed Feb. 1, 1930.

Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits and vegetables. 76,698; renewed Feb. 8, 1930.

Pratt-Low Preserving Co., Santa Clara, Calif. Canned fruits and vegetables. 77,138; renewed Mar. 15, 1930.

Price Flavoring Extract Company, Chicago, Ill. Flavoring extracts. 77,567; renewed Apr. 19, 1930.

Puritan Chemical Company, Atlanta, Ga. Air deodorant. 265,592; Dec. 31; Serial No. 289,252; published Oct. 15, 1929. Class 6.

Putnam, Charles E., Seattle, Wash. Wooden shingles. 265,538-9; Dec. 31; Serial Nos. 283,624-5; published Oct. 1, 1929. Class 12.

Ramer Reviews, Inc., New York, N. Y. Printed publication or magazine. 265,473; Dec. 31; Serial No. 278,310; published Apr. 2, 1929. Class 38.

Reisig Hair Felt Co. Inc., Salem, Mass. Hair-felt carpet lining. 265,500; Dec. 31; Serial No. 276,222; published Oct. 15, 1929. Class 50.

Research Laboratories, Inc., Portland, Oreg. Medicinal preparation. 265,504; Dec. 31; Serial No. 267,858; published Oct. 15, 1929. Class 6.

Rigot & Wiseman, Wheeling, W. Va. Blank forms. 265,588; Dec. 31. Class 37.

Riley Penn Oil Company, Burlington, Iowa. Lubricating oils, greases, gasoline, and kerosene. 265,584; Dec. 31. Class 15.

Roberts, Samuel H., Chicago, to Phoenix Horse Shoe Company, Joliet, Ill.; Cleveland, Ohio; and Poughkeepsie, N. Y., successor. Horseshoe calks. 71,342; renewed Nov. 17, 1928.

Rochester Street Signal Company. (See Powers, John R.)

Rolls Razor (1927) Limited, by change of name Rolls Razor Limited, London, England. Safety razor. 265,629; Dec. 31. Class 23.

Royal Granite Company, St. Cloud, Minn. Cut granite and granite. 265,559; Dec. 31; Serial No. 285,176; published Oct. 1, 1929. Class 12.

Royal Granite Company, St. Cloud, Minn. Cut granite and granite finished. 265,560; Dec. 31; Serial No. 285,174; published Oct. 8, 1929. Class 12.

Rubin, Henry, doing business as Bear Malt Products Company, Brooklyn, N. Y. Hops. 265,568; Dec. 31; Serial No. 287,979; published Oct. 1, 1929. Class 1.

Russell Manufacturing Company, The, Middletown, Conn. Shock-absorbing rings and cords for use on landing gear and tail skids, etc. 265,536; Dec. 31; Serial No. 285,609; published Oct. 15, 1929. Class 19.

Schallman Sportswear Company, New York, N. Y. Leather. 265,567; Dec. 31; Serial No. 288,091; published Oct. 1, 1929. Class 1.

Schechtman, Abram B., Newark, N. J. Preparation for the treatment of headache, neuralgia, lumbago, etc. 265,499; Dec. 31; Serial No. 276,805; published July 23, 1929. Class 6.

Schmidt & Melmer, Weldenau-on-the-Sieg, Germany. Bins, pails, and buckets and parts thereof. 265,520; Dec. 31; Serial No. 282,138; published Oct. 15, 1929. Class 2.

Schoenheit, A., Medicine Co., The, San Jose, Calif. Remedy for certain diseases. 75,656; renewed Nov. 2, 1929.

Schwabacher Bros. & Co., Inc., Seattle, Wash. Pipes. 76,306; renewed Jan. 4, 1930.

Seaboard Rice Milling Co., Galveston, Tex., by change of name to Comet Rice Company, New York, N. Y. Rice. 77,427; renewed Apr. 5, 1930.

Seaboard Rice Milling Co., Galveston, Tex., by change of name to Comet Rice Company, New York, N. Y. Rice. 77,833-5; renewed May 10, 1930.

Scars, Roebuck and Co., Chicago, Ill. Wash fabrics. 265,547; Dec. 31; Serial No. 287,845; published Oct. 15, 1929. Class 42.

Shapleigh Hardware Company. (See Norvell-Shapleigh Hardware Company.)

Shumofsky, Morris, Bridgeport, Conn. Butter rings. 265,586; Dec. 31. Class 46.

Shumofsky, Morris, Bridgeport, Conn. Coffee cake. 265,626; Dec. 31. Class 46.

Smith & Butterfield Co., Evansville, Ind. Photo prints. 265,475; Dec. 31; Serial No. 277,855; published May 14, 1929. Class 38.

South Shore Sheet Metal Works, Inc., Chicago, Ill. Skylights, rain eaves, eaves troughs, etc. 265,556; Dec. 31; Serial No. 285,894; published Oct. 15, 1929. Class 12.

Spencer, George, Moulton & Company, Limited, London, England. India-rubber buffing and drawsprings and bearing blocks. 265,540; Dec. 31; Serial No. 283,559; published Oct. 15, 1929. Class 19.

Squirrel Brand Company, The, assignor to Squirrel Brand Co., Cambridge, Mass. Certain foods. 76,187; renewed Dec. 21, 1929.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. Empty glass bottles. 265,526; Dec. 31; Serial No. 280,139; published Oct. 15, 1929. Class 33.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

Standard Cigar Company of Pittsburgh, Pa. The, assignor to The Standard Cigar Company, Pittsburgh, Pa. Cigars, tobaccos, and cheroots. 76,800; renewed Feb. 15, 1930. Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 265,605; Dec. 31. Class 15.
Standard Oil Company of New York, New York, N. Y. Refined petroleum. 76,188; renewed Dec. 21, 1929.
Stanley Works, The, New Britain, Conn. Steel hinges. 76,520; renewed Jan. 25, 1930.
Star Roof Co. Inc., doing business as Star Roof Company and Pacific Star Roof Company, Los Angeles, Calif. Roofing materials. 265,477; Dec. 31; Serial No. 282,203; published Oct. 15, 1929. Class 12.
Sun Rubber Company, The, Harborton, Ohio. Table pads, mats. 265,510; Dec. 31; Serial No. 255,324; published Oct. 1, 1929. Class 50.
Swift and Company, Chicago, Ill. Glue. 265,595; Dec. 31. Class 5.
Taplin-Rice-Clerkin Company, The, Akron, Ohio. Certain heating apparatus. 76,048; renewed Dec. 7, 1929.
Taylor, Horace B., deceased, Philadelphia, assignor to I. J. Taylor, executrix, doing business as H. B. Taylor Co., Bala, Pa. Pills for female complaints. 77,111; renewed Mar. 8, 1930.
Teas, William H., assignor to William K. Alsop, Ridgway, Pa. Hide powder. 76,824; renewed Feb. 15, 1930.
Texas Citrus Fruit Growers Exchange, The, Mission, Tex. Fresh citrus fruit. 265,647; Dec. 31. Class 46.
Thibault, Richard E., incorporated, New York, N. Y. Wall paper. 265,607; Dec. 31. Class 37.
Thomas & Lelopes, Hartford, Conn. Medicinal plaster. 265,480; Dec. 31; Serial No. 289,236; published Oct. 15, 1929. Class 6.
Tinsel Corporation of America, New York, N. Y. Parchment lamp shades. 265,521; Dec. 31; Serial No. 281,974; published Oct. 15, 1929. Class 34.
Tompkins, Elizabeth H., trustee. (See Caldwell, Ira, assignor.)
Trangott, William, St. Louis, Mo. Maltless beverage. 265,495; Dec. 31; Serial No. 286,088; published Oct. 15, 1929. Class 45.
Tuttle & Bailey Manufacturing Company, New York, N. Y. Heating registers. 265,602; Dec. 31. Class 34.
Twining, E. S. & Co., New York, N. Y. Cotton, linen, and/or textile fabrics treated with rubber or other proofing material. 265,564; Dec. 31; Serial No. 288,975; published Oct. 15, 1929. Class 50.
United States Gypsum Company, Chicago, Ill. Sound-absorbing material. 265,549; Dec. 31; Serial No. 287,610; published Oct. 15, 1929. Class 12.
United States Rubber Company, New York, N. Y. Belting and hose. 265,628; Dec. 31. Class 35.
U. S. Trading Company, Jacksonville, Fla. Ground moss peat. 265,644; Dec. 31. Class 1.
Upjohn Company, The, Kalamazoo, Mich. Granular effervescent salt. 265,563; Dec. 31; Serial No. 289,221; published Oct. 15, 1929. Class 6.
Utica Hydraulic Cement Company, Utica, Ill. Building cement. 265,648; Dec. 31. Class 12.
Voss Bros. Mfg. Co., Davenport, Iowa. Laundry washing machines and parts thereof. 265,472; Dec. 31; Serial No. 279,579; published Oct. 15, 1929. Class 24.
Warmack-Williams Stove Co., Fort Smith, Ark. Gas heaters. 265,606; Dec. 31. Class 34.
Warren Axe & Tool Company, Warren, Pa. Tools. 77,014; renewed Mar. 1, 1930.
Waukesha Canning Company, The, Waukesha, Wis., assignor, by mesne assignments, to The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 76,465; renewed Jan. 18, 1930.
Waukesha Canning Company, The, Waukesha, Wis., assignor, by mesne assignments, to The J. B. Inderrieden Co., Chicago, Ill. Canned peas. 77,015; renewed Mar. 1, 1930.
Weck, Edward, to Edward Weck & Son, Inc., New York, N. Y., successor. Razors. 77,682; renewed Apr. 26, 1930.
Western Shade Cloth Company, The, Chicago, Ill. Window shades. 265,603; Dec. 31. Class 32.
Wickwire Spencer Steel Company. (See Bowers, Edward C., and Feldman.)
Williams, Rollin H., Detroit, Mich. Automobiles and structural parts thereof. 265,530; Dec. 31; Serial No. 284,713; published Oct. 15, 1929. Class 19.
Wilson, Emma J., to Roy S. Wilson, Zanesville, Ohio, successor. Remedies for certain diseases. 76,954; renewed Mar. 1, 1930. Class 6.
Wright, W. H. & Sons, Company, Ogden, Utah. Sheets, pillowcases, and blankets. 265,542; Dec. 31; Serial No. 288,770; published Oct. 15, 1929. Class 42.
Ynchausti & Co., Manila, P. I., and San Francisco, Calif. Manila rope. 265,488; Dec. 31; Serial No. 282,949; published Oct. 15, 1929. Class 7.
Zapon Company, The, Wilmington, Del. Waterproofed textile fabrics. 265,535; Dec. 31; Serial No. 283,914; published Oct. 15, 1929. Class 50.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

American Pop Corn Company, Sioux City, Iowa. American Beauty Giant Pop Corn. For Pop Corn. 36,820; Dec. 31.
Angonon, A. Inc., New York, N. Y. Angonon's. For Bread Sticks. 36,821; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Cocktail. For Candy. 36,822; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Violet. For Candy. 36,823; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Licorice. For Candy. 36,824; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Cloves. For Candy. 36,825; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Lime. For Candy. 36,826; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Orange. For Candy. 36,827; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Wintergreen. For Candy. 36,828; Dec. 31.
Aromint Corporation, Cincinnati, Ohio. Aromints Cinnamon. For Candy. 36,829; Dec. 31.
Begley Food Products Co., Chicago, Ill. Begley's Famous Corned Beef and Cabbage. For Canned Corn Beef and Cabbage. 36,830; Dec. 31.
California Crushed Fruit Corporation, Los Angeles, Calif. Mission Dry Sparkling Grapefruit. For Grapefruit Drink. 36,831; Dec. 31.
California Crushed Fruit Corporation, Los Angeles, Calif. Mission Dry Sparkling Orange. For Orange Drink. 36,832; Dec. 31.
Cowles Detergent Company, The, Cleveland, Ohio. Escaloid. For Detergents. 36,833; Dec. 31.
Dairymen's League Co-Operative Association, Inc., Utica and New York, N. Y. Dairylea Roller Process Dried Skim Milk. For Dried Skim Milk. 36,834; Dec. 31.
Dairymen's League Co-Operative Association, Inc., Utica and New York, N. Y. Dairylea Gray-Jensen Process Dried Skim Milk. For Dried Skim Milk. 36,835; Dec. 31.
General Laboratories, Inc., Madison, Wis. Five Gallons B-K. Concentrated Sodium Hypochlorite. For Sodium Hypochlorite Fluid. 36,836; Dec. 31.
Gilliam, Cley, doing business as Gilliam Candy Co., Paducah, Ky. Gilliam's Pecor Bar. For Candy Bar. 36,837; Dec. 31.
Girland, A. & Bro., San Francisco, Calif. Buon Sapor. For Cottonseed Salad Oil. 36,838; Dec. 31.
Haas, Geo., & Sons, San Francisco, Calif. Home Kraft Candles. For Candy. 36,839; Dec. 31.
Hills Brothers Company of Florida, The, Clearwater, Fla. Dromedary Grapefruit. For Canned Grapefruit. 36,840; Dec. 31.
Hollywood Dry Corporation, Los Angeles, Calif. Hollywood English Type Ginger Beer. For Ginger Beer. 36,841; Dec. 31.
Huston, Tom, Peanut Company, Columbus, Ga. Easy to Eat. For Chocolate-Coated Peanuts. 36,842; Dec. 31.
Jeckay Products Co., Cleveland, Ohio. Jeckay Pomade. For Pomade for Hair. 36,843; Dec. 31.
Kelling Nut Co., The, Chicago, Ill. Double-Kay Nut-Butter Toasted. For Nuts. 36,844; Dec. 31.
Koh-I-Noor Bleistiftfabrik I. & C. Hardtmuth, Budweis, Czechoslovakia. Navigator Lead Pencils. For Lead Pencils. 36,845; Dec. 31.
Paige, Pat, incorporated, New York, N. Y. Komic Klown. For a Clown Doll. 36,846; Dec. 31.
Philadelphia Malt Extract Company, Philadelphia, Pa. Hale Hearty. For Malt Syrup. 36,847; Dec. 31.
Pichel, Ralph, doing business as The Old Servitor Distributing Co., Hartsdale, N. Y. A Little Smile. For Flavoring Extracts. 36,848; Dec. 31.
Old Servitor Distributing Co., The. (See Pichel, Ralph.)
Rinnander, Victor T., Denver, Colo. Lemon-Cheese Sandwich Spread. For a Sandwich Spread. 36,849; Dec. 31.
Ruddies, G. F., Chicago, Ill. Decarbonol. For Compound for Decarbonizing and Lubricating the Upper Gasoline-Engine Cylinder. 36,850; Dec. 31.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Surgical Arch Supports. For Arch Supports. 36,851; Dec. 31.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Scientific Arch Supports. For Arch Supports. 36,852; Dec. 31.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Ailrite Arch Support. For Arch Supports. 36,853; Dec. 31.
Silk Life, Incorporated, Jacksonville, Fla. Silk Life, Incorporated. For a Silk Preservative. 36,854; Dec. 31.
Standard Brands Incorporated, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Fleischmann's Spring Laid Egg Yolks. For Frozen Egg Yolks. 36,855; Dec. 31.
Standard Brands Incorporated, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Fleischmann's Spring Laid Egg Whites. For Frozen Egg Whites. 36,856; Dec. 31.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS

Standard Brands Incorporated, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Fleischmann's Spring Laid Whole Eggs. For Frozen Whole Eggs. 36,857; Dec. 31.
Stuart Chocolates Co., Milwaukee, Wis. Stuart Chocolates Co. For Chocolates. 36,858; Dec. 31.
Superior Type Company, The, Chicago, Ill. Carnival. For Rubber-Stamp Sets for Children. 36,859; Dec. 31.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS

Arden, Elizabeth, Inc., doing business as Elizabeth Arden, New York, N. Y. The First Christmas Gifts. For Venetian Toilet Preparations. 12,270; Dec. 31.
Arden, Elizabeth, Inc., doing business as Elizabeth Arden, New York, N. Y. If You Should Take a Boat and Sail Around the World. For Venetian Toilet Preparations. 12,271; Dec. 31.
Arden, Elizabeth, Inc., doing business as Elizabeth Arden, New York, N. Y. The First Christmas Gifts. For Venetian Toilet Preparations. 12,272; Dec. 31.
Capital Incubator Co., St. Paul, Minn. Capital. For Incubators and Brooders. 12,273; Dec. 31.

Cream of Wheat Corporation, The, Minneapolis, Minn. Mary and Antoinette Pinchot, Daughters of Mr. and Mrs. Amos Pinchot, of Park Avenue, New York. For Wheat Breakfast Food. 12,274; Dec. 31.
Eureka Suction Company, Londonville, Ohio. Eureka Suction Echoes. For Plate Retainers to Hold Up Artificial Teeth. 12,275; Dec. 31.
Orange-Crush Company, Chicago, Ill. Here's How; Orange-Crush-Dry. For a Carbonated Orangeade. 12,276; Dec. 31.
Tancill, Grace, St. Louis, Mo. Grance Tancill Jersey Coat Dress, Model 14. For Dresses. 12,277; Dec. 31.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907)

Abingdon Milling & Cattle Feeding Company, Abingdon, Ill. Stock food. 287,602; Dec. 31. Class 46.
Acme Brick Company, Danville, Ill. Brick. 291,600; Dec. 31. Class 12.
Acme Shear Company, Incorporated, The, Bridgeport, Conn. Shears and scissors. 292,514; Dec. 31. Class 23.
Alexander, G. W. & Co., Inc., Reading, Pa. Felt hats. 284,707; Dec. 31. Class 39.
Alkaline Products Co., The, Kansas City, Mo. Antacid and carminative digestant powder. 292,515; Dec. 31. Class 6.
Allied Drug and Chemical Corporation, New York, N. Y. Uric-acid solvent and preparation. 292,433; Dec. 31. Class 6.
Altorfer Bros. Company, East Peoria, Ill. Laundry washing machines. 292,193; Dec. 31. Class 24.
Alvita Food Products Inc., Boston, Mass. Cereal breakfast foods. 288,458; Dec. 31. Class 46.
American Can Company, New York, N. Y. Cans. 279,266; Dec. 31. Class 2.
American Crayon Company, The, Sandusky, Ohio. Ink paste. 292,087; Dec. 31. Class 11.
American Pharmaceutical Company, Inc., New York, N. Y. Vegetable material used as a laxative and corrector for constipation. 292,608; Dec. 31. Class 6.
Ardmore Manufacturing Company, Chicago, Ill. Hand tools. 292,084; Dec. 31. Class 23.
Atlantic Gear Works Inc., Brooklyn, N. Y. Noiseless gears and pinions. 292,091; Dec. 31. Class 23.
Bagnette Watch Company. (See Goldstein, Edward.)
Baldwin, Robert E., Sanford, Fla. Fresh celery. 283,841; Dec. 31. Class 46.
Beagle, Eugene E., doing business as United Pharmacal Laboratories, Waterbury, Conn. Bitter medicated mineral oil. 292,153; Dec. 31. Class 6.
Bendiner & Schlesinger, Inc., New York, N. Y. General tonic. 291,755; Dec. 31. Class 6.
Beriel Limited, Sydney, New South Wales, Australia. Corsets and brassieres. 291,959; Dec. 31. Class 39.
Bigelow-Hartford Carpet Company, Thompsonville, Conn. Woven textile rugs and carpets. 289,386; Dec. 31. Class 42.
Bi-Jo Specialty Co. (See Randall, Hilbert A.)
Binsky, Aaron L., Inc., New York, N. Y. Outer clothing. 290,648; Dec. 31. Class 39.
Bishop, Alfred, Ltd., London, England. Medicinal preparations. 289,915; Dec. 31. Class 6.
Bougon, Paul, Fish & Oyster Co. Inc., New Orleans, La. Canned shrimp. 287,864; Dec. 31. Class 46.
Bowman Hat Company, Knoxville, Tenn. Men's hats and caps. 292,093; Dec. 31. Class 38.
Boye, James H., Manufacturing Co., Chicago, Ill. Necktie, hat, and garment, and metal shoe racks. 287,398; Dec. 31. Class 13.
Blackman & Blackman, Inc., doing business as Premo Pharmaceutical Laboratories, New York, N. Y. Inhalant germicide. 292,155; Dec. 31. Class 6.
Bliss Milling Company, Seymour, Ind. Flour. 288,636; Dec. 31. Class 46.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 292,711; Dec. 31. Class 42.
Bryan, Davis, Publishing Co. Inc., New York, N. Y. Monthly magazine. 290,207; Dec. 31. Class 38.
Buffalo Lamp & Mfg. Co. Inc., Buffalo, N. Y. Perculators, sugar bowls, pitchers, trays, etc. 289,063; Dec. 31. Class 13.
Burd, Samuel L., doing business as Burd Buyers Service, Philadelphia, Pa. Hosiery. 292,025; Dec. 31. Class 39.

Cable Company, The, Chicago, Ill. Radio receiving sets and parts thereof. 284,322; Dec. 31. Class 21.
California Fruit Growers Exchange, Los Angeles, Calif. Pectin. 273,861; Dec. 31. Class 46.
California Packing Corporation, San Francisco, Calif. Canned fruits and vegetables, dried fruit, pickles, etc. 282,635; Dec. 31. Class 46.
Canepa, John B., Company, The, Chicago, Ill. Allimentary paste goods. 281,257; Dec. 31. Class 46.
Canfield, Charles H., doing business as Handy Washer Company, Syracuse, N. Y. Washing machines. 292,576; Dec. 31. Class 24.
Carlisle Shoe Company, Carlisle, Pa. Boots and shoes. 288,176; Dec. 31. Class 39.
Carmel Valley Fruit Growers Association, Monterey, Calif. Fresh deciduous fruits. 291,714; Dec. 31. Class 46.
Celanese Corporation of America, New York, N. Y. Fabrics made wholly or partially of cellulose derivatives. 292,395; Dec. 31. Class 42.
Ceramic Machinery Company, doing business as Columbia Manufacturing Company, Hamilton, Ohio. Electrically-operated household mixers. 282,528; Dec. 31. Class 21.
Champion Fibre Company, The, Canton, N. C. Tannin extracts. 292,600; Dec. 31. Class 6.
Chattillon, John, & Sons, New York, N. Y. Weighing scales. 289,873; Dec. 31. Class 26.
Chetwode Inc., New York, N. Y. Ladies' stockings. 289,006; Dec. 31. Class 39.
Chicago Specialty Co. (See Podesta, L. A.)
Cincinnati Victor Company, The, Cincinnati, Ohio. Electric fans, electric reflecting heaters, etc. 288,221; Dec. 31. Class 21.
Cinch Manufacturing Corporation, Chicago, Ill. Separable snap fasteners. 271,878; Dec. 31. Class 13.
Citigins Corporation, Atlantic City, N. J. Liquefied petroleum gas. 290,549; Dec. 31. Class 6.
Clearwater Growers Association, Clearwater, Fla. Fresh citrus fruits. 291,715; Dec. 31. Class 46.
Cleopatra Chemists Corporation, New York, N. Y. Compounds for cleaning, shaving cream, soap powders, etc. 289,069; Dec. 31. Class 4.
Closson, Ralph, doing business as Kavtex Co., Logansport, Ind. Preparation for the relief of ailments in the kidneys. 291,716; Dec. 31. Class 6.
Coca Cola Bottling Co., The, Wichita, Kans. Soda water. 289,338; Dec. 31. Class 45.
Cochrane, James A., doing business as J. A. Cochrane & Co., Keokuk, Iowa. Preparations for the treatment of pyorrhea, trench mouth, bleeding gums, etc. 291,202; Dec. 31. Class 6.
Cohn & Rosenberger, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. 291,816-7; Dec. 31. Class 28.
Cohen, Benjamin, doing business as Insene Manufacturing Co., Philadelphia, Pa. Insecticide for roaches, etc. 292,615; Dec. 31. Class 6.
Colson Company, The, Elyria, Ohio. Vibratory converters. 274,205; Dec. 31. Class 21.
Columbia Manufacturing Company. (See Ceramic Machinery Company.)
Columbia-Okanogan Orchards, Inc., Brewster, Wash. Fresh apples. 249,089; Dec. 31. Class 46.
Compafia Tabacalera Nacional S. A., Habana, Cuba. Cigars. 290,822; Dec. 31. Class 17.
Consolidated Millinery Company, Chicago, Ill. Millinery. 290,824; Dec. 31. Class 39.
Cooley Finishing Company, The, Pawtucket, R. I. Waterproof cotton duck or similar awning fabric. 283,674; Dec. 31. Class 50.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Co-Operative Olive Producers Association. (See Shurtleff, Flavel.)
 Craft, Wm. J., doing business as Craftoll Company, Glendale, Calif. Lubricating compounds and oils. 290,745; Dec. 31. Class 15.
 Craftoll Company. (See Craft, Wm. J.)
 Cunningham Products Corporation, The, New York, N. Y. Friction and pyrophoric lighters. 291,052; Dec. 31. Class 34.
 Cunningham Products Corporation, The, New York, N. Y. Perfumery atomizers. 291,053; Dec. 31. Class 44.
 Driver-Harris Company, Harrison, N. J. Resistance wire, rods, and strands, etc. 291,610-1; Dec. 31. Class 21.
 Dursar Corporation, The, Newark, N. J. Cast-iron ferrous metal castings. 291,658; Dec. 31. Class 14.
 Eastern Cotton Oil Company, Norfolk, Va. Fertilizer. 292,157; Dec. 31. Class 10.
 Edison, Thomas A., Incorporated, West Orange, N. J. Radio receiving sets. 291,442; Dec. 31. Class 21.
 Eneblend Co., The. (See Kelly, Bertie.)
 English Textile Manufacturing Company, Limited, The, Manchester, England. Yarns and threads. 286,042; Dec. 31. Class 34.
 Epstein, Bernard, New York, N. Y. Skirts. 290,941; Dec. 31. Class 39.
 Establecimiento Modelo Terrabusi. (See Terrabusi, Ambrosio U.)
 Ever Fresh Nut Co., Inc., Rochester, N. Y. Edible salted nuts. 283,267; Dec. 31. Class 46.
 Expando Company, Chicago, Ill. Automobile bodies. 291,764; Dec. 31. Class 19.
 Fashion Shop, The, Washington, D. C. Clothing. 273,290-1; Dec. 31. Class 39.
 Filene's, Wm., Sons Company, Boston, Mass. Friction cigarette lighters, friction table lighters, etc. 289,736; Dec. 31. Class 34.
 Firebrand Kitchen Equipment Company, The, New York, N. Y. Cincinnati, Ohio, and Chicago, Ill. Urns, accessories for urns, steam tables, etc. 281,278; Dec. 31. Class 13.
 Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Compounded unvulcanized rubber. 288,229-30; Dec. 31. Class 1.
 Flannery Manufacturing Company, Pittsburgh, Pa. Pots for holding baths for heat treating and the like to be heated. 283,025; Dec. 31. Class 34.
 Floyd, C., Tampa, Fla. Cigars. 292,159-60; Dec. 31. Class 17.
 Friedman Silver Co., Inc., Brooklyn, N. Y. Table hollow ware of base metal. 290,460; Dec. 31. Class 13.
 Gallina, R. A., Felli di Giuseppe, Chieri, Italy. Bed-covers, coverlets, coverings, and counterpanes. 277,577; Dec. 31. Class 42.
 Gamble, David C., Lima, Ohio. Stock and poultry minerals, a conditioner. 287,578; Dec. 31. Class 6.
 Garlin, H. P., Co., San Francisco, Calif. Fresh deciduous fruits, cantaloupes, and vegetables. 289,581; Dec. 31. Class 46.
 Gaylord, Robert, Incorporated, St. Louis, Mo. Cases. 292,264; Dec. 31. Class 2.
 Gear Processing, Inc., Cleveland, Ohio. Metallic lugs and hones and lugs and hones of abrasive material. 289,674; Dec. 31. Class 4.
 Genozon Company, The. (See Phytamin Corporation, The.)
 Gildersleeve, Joseph B., doing business as The Motormite Company, New York, N. Y. Chemical preparation. 292,206; Dec. 31. Class 6.
 Goldstein, Edward, doing business as Baguette Watch Company, New York, N. Y. Watches. 292,207; Dec. 31. Class 27.
 Grasselli Chemical Company, The, Cleveland, Ohio. Fluxes. 292,106; Dec. 31. Class 6.
 Greene, E. L., Knitting Mills, Inc., Bath, N. Y. Bathing suits. 292,107; Dec. 31. Class 39.
 Grifling, Edgar J., Waterbury, Conn. Polish. 289,515; Dec. 31. Class 16.
 Gysin, Sebastian, doing business as Milwaukee Whole Food Products, Milwaukee, Wis. Table salt. 291,824; Dec. 31. Class 6.
 Hall, Charles P., doing business as The C. P. Hall Company, Akron, Ohio. Compound. 292,355; Dec. 31. Class 6.
 Hamilton Metalplane Co., Milwaukee, Wis. Airplanes and constructive or structural parts of airplanes. 279,470; Dec. 31. Class 19.
 Handy Washer Company. (See Canfield, Charles H.)
 Hanover Electric Company, Inc., New York, N. Y. Reading glasses. 291,981; Dec. 31. Class 26.
 Hanover Rubber Co., "Excelsior" Inc., New York, N. Y. Surgical appliances. 273,700; Dec. 31. Class 44.
 Hecht, Herman, doing business as Hecht's Bakery, Bristol, Tenn. Bread. 292,108; Dec. 31. Class 46.
 Henderson, James D., Chicago, Ill. Electrical advertising display cabinets and electrical advertising match and toothpick dispensers. 290,572; Dec. 31. Class 21.
 Hinton, Warner D., Oakland, Ky. Spark plugs. 291,389; Dec. 31. Class 21.
 Hobson, Jay G., & Co., Inc., Chillicothe, Ohio. Capsules. 292,532; Dec. 31. Class 6.
 Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 291,530; Dec. 31. Class 30.
 Holland & Son, New York, N. Y. Silk piece goods. 292,806; Dec. 31. Class 42.
 Hudson, J. L., Company, The, Detroit, Mich. Boys' hosiery. 292,210; Dec. 31. Class 39.
 Hyman & Oppenheim, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 292,359; Dec. 31. Class 6.
 Industrial Home for the Blind, The, Brooklyn, N. Y. Cane, fibre, wood, leather, metal, and compo board, etc., seats for chairs. 279,518; Dec. 31. Class 32.
 Industrial Rayon Corporation, Cleveland, Ohio. Rayon yarn. 275,357; Dec. 31. Class 43.
 Insene Manufacturing Co. (See Cohen, Benjamin.)
 International Agricultural Corporation, New York, N. Y. Fertilizers. 292,110; Dec. 31. Class 10.
 International Products Corporation, New York, N. Y. Canned corned beef. 291,057; Dec. 31. Class 46.
 International Sbrt Corporation, New York, N. Y. Dress shirts. 286,331; Dec. 31. Class 39.
 Iowa Fiber Box Company, Keokuk, Iowa. Shipping containers. 282,115; Dec. 31. Class 2.
 Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 279,652; Dec. 31. Class 54.
 Jaeger Company, Inc., The, New York, N. Y. Woolen slippers, gloves, bath robes, etc. 291,770; Dec. 31. Class 39.
 James Manufacturing Company, Fort Atkinson, Wis. Metal gutter and manger drains, metal gates, etc. 291,669; Dec. 31. Class 13.
 James Manufacturing Company, Fort Atkinson, Wis. Equipment—namely, flues, hovers, etc. 291,670; Dec. 31. Class 34.
 James Manufacturing Company, Fort Atkinson, Wis. Mangers and tanks. 291,672; Dec. 31. Class 2.
 Joles, Bessie L., Eau Claire, Wis. Medicinal preparation for the treatment of rheumatism and for purifying the blood. 291,673; Dec. 31. Class 6.
 Kavatox Co. (See Closson, Ralph.)
 Kelly, Bertie, doing business as The Eneblend Co., Weatherford, Tex. Rouge. 291,566; Dec. 31. Class 6.
 Knapp-Monarch Company, St. Louis, Mo., and Webster City, Iowa. Electric toasters, electric heating pads, etc. 288,748-9; Dec. 31. Class 21.
 Krouhelm, Jacob, Cleveland, Ohio. Resilient seats for couches, chairs, davenport. 283,618; Dec. 31. Class 22.
 Lattanzio, Polidoro, Astoria, N. Y. Ameliorative. 292,405; Dec. 31. Class 6.
 Leather Goods Novelty Co., Los Angeles, Calif. Leather key cases. 291,710; Dec. 31. Class 3.
 Lewis, A. H., Medicine Co., The, St. Louis, Mo. Carminative antacid corrective. 292,675; Dec. 31. Class 6.
 Libbey, W. S., Company, Lewiston, Me. Blankets. 290,756; Dec. 31. Class 42.
 Lieber, Hugo, New York, N. Y. Earphones. 292,216; Dec. 31. Class 44.
 Limit Engineering Co. Ltd., London, England. Talking machines and parts thereof and records. 288,751; Dec. 31. Class 35.
 Lincoln Macaroni Mfg. Company, Brooklyn, N. Y. Macaroni. 291,089; Dec. 31. Class 46.
 Lord & Taylor, New York, N. Y. Boots, shoes, and slippers. 292,269; Dec. 31. Class 39.
 M. & B. Products Co., Philadelphia, Pa. Insecticide. 292,408; Dec. 31. Class 6.
 Madison Woolen Company, Madison, Me. Woolen piece goods. 292,501-3; Dec. 31. Class 42.
 Magay Corporation, New York, N. Y. Medicinal preparation. 292,217; Dec. 31. Class 6.
 Main Toy Company, Oskaloosa, Iowa. Toy building blocks. 291,194; Dec. 31. Class 22.
 Make Peace Preserving Company, Wareham, Mass. Canned fruits and vegetables. 279,352; Dec. 31. Class 46.
 Manhattan Shirt Co., The, New York, N. Y. Negligee shirts, pajamas, and underwear. 291,517; Dec. 31. Class 39.
 Maple Leaf Milling Company, Limited, Toronto, Canada. Grain products. 290,712; Dec. 31. Class 46.
 Marling Wire Company, The, Muskegon, Mich. Magnet wire. 255,565; Dec. 31. Class 21.
 Marlboro Wire Good Company, Marlboro, Mass. Soap dishes, toothbrush holders, wall brackets, etc. 289,471; Dec. 31. Class 13.
 McCarthy, Charles H., Minneapolis, Minn. Quarterly publication. 292,272; Dec. 31. Class 38.
 McCreery, James, & Company, New York, N. Y. Necklaces and bracelets. 290,901; Dec. 31. Class 28.
 Merck & Co., Inc., Rahway, N. J. Toilet cream. 271,261; Dec. 31. Class 6.
 Metal Lubricant Company, The, Columbus, Ohio. Lubricants, lubricating oils, and greases. 291,733; Dec. 31. Class 15.
 Milwaukee Whole Food Products. (See Gysin, Sebastian.)
 Mirakel Optical Co., Mount Vernon, N. Y. Binoculars. 292,113; Dec. 31. Class 26.
 Mitchell Medicine Company, Inc., Birmingham, Ala. Healing ointment. 270,752; Dec. 31. Class 6.
 Mollé Company, The, Cleveland, Ohio. Toilet preparations. 286,995; Dec. 31. Class 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Mono-Aircraft Corporation, Moline, Ill. Monoplanes. 291,779; Dec. 31. Class 19.
 Mooney, William P., doing business as Mooney's Laboratory, Milwaukee, Wis. Capsules. 291,032; Dec. 31. Class 6.
 Motormite Company, The. (See Gildersleeve, Joseph B.)
 Muhs, Henry, Company, The, Passaic, N. J. Sausage patties. 291,014; Dec. 31. Class 46.
 National Drying Machinery Co., The, Philadelphia, Pa. Cloth-drying machines and drying machines. 290,588; Dec. 31. Class 23.
 National Paper and Type Company, Inc., New York, N. Y. Periodical. 292,329; Dec. 31. Class 38.
 National Wiring & Protective Co. Inc., Brooklyn, N. Y. Burglar alarms and burglar-alarm systems. 273,832; Dec. 31. Class 21.
 New Era Motors, Incorporated, New York, N. Y. Automobiles. 290,518; Dec. 31. Class 19.
 New Orleans Coffee Co., Ltd., New Orleans, La. Compound of coffee and chicory, and a compound of coffee, cereal, and chicory. 289,125; Dec. 31. Class 46.
 "Nix-Lix Mfg. Co." (See Quast, Otto K.)
 Northern Products, Inc., Denver, Colo. Preparation for killing dandelions. 286,651; Dec. 31. Class 6.
 Nu-Art Cook-Ware Corporation, Chicago, Ill. Triplicate sets, waffle molds, frying pans, etc. 291,354; Dec. 31. Class 13.
 Oceanic Sales Co., Seattle, Wash. Canned salmon. 284,362; Dec. 31. Class 46.
 Oglesby, M. Curtis, Pomona, Calif. Cold creams, massage cream, hair dye, etc. 286,259; Dec. 31. Class 6.
 Oliver Iron & Steel Corporation, Pittsburgh, Pa. Bolts. 292,174; Dec. 31. Class 13.
 Olmstead, Mary B., Friend, Neb. Vanishing cream, lip stick, face powder, and perfume. 291,136; Dec. 31. Class 6.
 Oswald, Anthony L., Hutchinson, Kans. Drinking water. 292,077; Dec. 31. Class 45.
 Pacatome Company, San Francisco, Calif. Diatomaceous silica. 288,974; Dec. 31. Class 1.
 Pacatome Company, San Francisco, Calif. Silica. 288,976-7; Dec. 31. Class 1.
 Padgett, Benjamin L., Los Angeles, Calif. Graph boards. 282,791; Dec. 31. Class 29.
 Panplastics Corporation, New York, N. Y. Condensation products. 274,276; Dec. 31. Class 1.
 Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of roundworms and tapeworms. 292,507; Dec. 31. Class 6.
 Parker Brothers Inc., Portland, Me., and Salem, Mass. Board game. 292,414; Dec. 31. Class 22.
 Pearlman Brothers, New York, N. Y. Hats and caps. 289,085; Dec. 31. Class 39.
 Phytamin Corporation, The, doing business as The Genozon Company, Battle Creek, Mich. Tonic tablet preparation. 291,023; Dec. 31. Class 6.
 Pike-O-Chase Chemical Company, Foxburg, Pa. Pile ointment. 291,634; Dec. 31. Class 6.
 Pilot Hosiery Mills, Incorporated, Lexington, N. C. Socks. 291,838; Dec. 31. Class 39.
 Pinand Incorporated, New York, N. Y. Filled powder compacts. 278,603; Dec. 31. Class 6.
 Pinco Papers, Incorporated, Camden, N. J. Decorative papers. 281,789; Dec. 31. Class 37.
 Podesta, L. A., doing business as Chicago Specialty Co., San Francisco, Calif. Malt syrup. 291,472; Dec. 31. Class 46.
 Pool, R. F., Jr., Manufacturing Co., McKinney, Tex. Men's underwear and pajamas. 292,046; Dec. 31. Class 39.
 Preferred Shirt Co., Inc., New York, N. Y. Shirts, wind-breakers, pajamas, etc. 290,907; Dec. 31. Class 39.
 Premo Pharmaceutical Laboratories. (See Blackman & Blackman, Inc.)
 Prinfitt Textile Company, Inc., The, Cincinnati, Ohio. Hosiery and underwear. 291,888; Dec. 31. Class 39.
 Puritan Malt Extract Company, Chicago, Ill. Hops. 291,693; Dec. 31. Class 1.
 Quast, Otto K., doing business as "The Nix-Lix Mfg. Co.," Spokane, Wash. Preparation for treating colds and catarrh. 276,536; Dec. 31. Class 6.
 Queen Perfumery Co., Inc., The, Santurce, P. R. Perfumes. 291,889; Dec. 31. Class 6.
 Rainized Process Ltd., New York, N. Y. Waterproofed products. 280,275; Dec. 31. Class 50.
 Randall, Hilbert A., doing business as Bi-To Specialty Co., Dallas, Tex. Antiseptic mosquito balm. 289,162; Dec. 31. Class 6.
 Rawlings Manufacturing Company, St. Louis, Mo. Playballs. 292,553; Dec. 31. Class 22.
 Rednoll Manufacturing Corporation, Kansas City, Mo. Machine or apparatus for reclaiming lubricating oils. 273,379; Dec. 31. Class 23.
 Rhedstrom Bros. Company, The, Cincinnati, Ohio. Salad dressing. 292,288; Dec. 31. Class 46.
 Rhodes, Ernest L., Company, Atlanta, Ga. Ladies' hats. 290,147; Dec. 31. Class 39.
 Rice-Klein Co., Los Angeles, Calif. Underwear. 291,789; Dec. 31. Class 39.
 Richard Hudnut, New York, N. Y. Deodorant. 292,579; Dec. 31. Class 6.
 Riddo-Glums Chemical Co. (See Wolverton, Marie K.)
 Roe, Chester M., doing business as Universal Packing Manufacturing Co., New York, N. Y. Asbestos metallic gaskets, packing, tape, etc. 288,480; Dec. 31. Class 35.
 Rustless Iron Corporation of America, New York, N. Y. Iron and steel. 291,580; Dec. 31. Class 14.
 St. Elmo Lumber & Coal Company, St. Elmo, Ill. Eight-sided cottages. 290,527; Dec. 31. Class 12.
 Saratoga-Carlbad Company, Saratoga Springs, N. Y. Spring water. 286,545; Dec. 31. Class 45.
 Satisfaction Supply Co. Inc., New York, N. Y. Asbestos. 285,425; Dec. 31. Class 1.
 Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Lead pencils, coloured pencils, and copying pencils. 287,843; Dec. 31. Class 37.
 Scott, Rufus W., Company, New York, N. Y. Hosiery. 292,126; Dec. 31. Class 39.
 Scott, Rufus W., Company, New York, N. Y. Hosiery. 292,230; Dec. 31. Class 39.
 Sears, Roebuck and Co., Chicago, Ill. Electrical devices used in the kitchen. 290,611; Dec. 31. Class 21.
 Sears, Roebuck and Co., Chicago, Ill. Hats. 291,242; Dec. 31. Class 39.
 Sears, Roebuck and Co., Chicago, Ill. Hats. 291,795; Dec. 31. Class 39.
 Seco Leather Products Company, New York, N. Y. Wallets and bill folds. 290,665-6; Dec. 31. Class 3.
 Seco Leather Products Company, New York, N. Y. Wallets and bill folds. 290,668-9; Dec. 31. Class 3.
 Seneca Coal and Coke Company, The, Tulsa, Okla. Coal. 291,244; Dec. 31. Class 1.
 Sheinker, Elias, doing business as W. Sheinker & Son, New York, N. Y. Flavoring medium. 289,647; Dec. 31. Class 45.
 Shurtleff, Flavel, doing business as Co-Operative Olive Producers Association, Los Angeles, Calif. Canned olives. 288,441; Dec. 31. Class 46.
 Skat Company, The, Hartford, Conn. Hand-cleaning preparation. 291,640; Dec. 31. Class 4.
 Sobel Shoe Co. Inc., Boston, Mass. Shoes. 291,297; Dec. 31. Class 39.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Valises, suitcases, trunks, etc. 271,773; Dec. 31. Class 3.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Tailored covers made of leather manufactured from scraps of real leather. 271,774; Dec. 31. Class 32.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Sport suits, coats, ulsters, boots, etc. 271,775; Dec. 31. Class 39.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Articles made of leather. 271,776; Dec. 31. Class 40.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Valises, suitcases, trunks, etc. 271,778; Dec. 31. Class 3.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Tailored covers made of leather. 271,779; Dec. 31. Class 32.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Sport suits, coats, jackets, boots, etc. 271,780; Dec. 31. Class 39.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Articles made of leather. 271,781; Dec. 31. Class 40.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Material made from scraps of real leather. 285,829-30; Dec. 31. Class 1.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Boxes, cases, wastebaskets, etc. 285,831-2; Dec. 31. Class 2.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Sheet packings, jointings, couplings, etc. 285,833-4; Dec. 31. Class 35.
 Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Sporting goods. 285,835-6; Dec. 31. Class 22.
 Société A Responsabilité Limitée dite "Guy De Vadimon," Paris, France. Pyrophoric and friction lighters. 282,260; Dec. 31. Class 34.
 Soft-Lite Lens Co., Inc., New York, N. Y. Ophthalmic lenses and blanks. 292,292; Dec. 31. Class 26.
 Squibb, E. R., & Sons, New York, N. Y. Vitamins dietary supplement. 292,687; Dec. 31. Class 6.
 Stanavo Specification Board, assignor to Stanavo Specification Board, Inc., New York, N. Y. Lubricating oils and greases and motor-fuel oils. 287,502; Dec. 31. Class 15.
 Stanavo Specification Board, assignor to Stanavo Specification Board, Inc., New York, N. Y. Lubricating oils and greases and motor-fuel oils. 289,996; Dec. 31. Class 15.
 Standard Brands Incorporated, Dover, Del.; Cincinnati, Ohio; and New York, N. Y. Baking powder. 292,184; Dec. 31. Class 6.
 Star Aircraft Company, Bartlesville, Okla. Airplanes. 292,556; Dec. 31. Class 19.
 Stein Cosmetics Company, Inc., New York, N. Y. Hair shampoo. 289,850; Dec. 31. Class 6.
 Steinberger Bros. Glove Corp., San Francisco, Calif., and New York, N. Y. Gloves. 290,435-6; Dec. 31. Class 39.
 Sterling Vegetable Growers Association, Sterling, Ill. Fresh tomatoes, peppers, and eggplant. 287,267; Dec. 31. Class 46.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Stox, Inc., Chicago, Ill. Board games. 283,473; Dec. 31. Class 22.
Strasburg, R. J., Co., Rochester, N. Y. Medicinal preparation. 292,234; Dec. 31. Class 6.
Sullivan Company, The, Memphis, Tenn. Quick-setting compound for all cement. 292,688; Dec. 31. Class 6.
Superior Chemical Company, Inc., Los Angeles, Calif. Cleaning fluid. 286,085; Dec. 31. Class 4.
Sylvania Industrial Corporation, New York, N. Y. Sheets made of regenerated cellulose. 291,593; Dec. 31. Class 1.
Ternbusch, Ambrosius U., doing business as Establecimiento Modelo Ternbusch, Buenos Aires, Argentina. Bakery products. 291,290; Dec. 31. Class 46.
Toledo Rex Spray Company, The, Toledo, Ohio. Lighter fluid. 278,143; Dec. 31. Class 6.
Tragason Products Limited, Hooton, near Birkenhead, England. Vegetable mucilage. 261,847; Dec. 31. Class 6.
Triangle Travelling Bag Works, Inc., Cincinnati, Ohio. Trunks, traveling bags, pocketbooks, etc. 290,096; Dec. 31. Class 3.
Trinidad Lake Petroleum Company, Limited, The, assignor to The Trinidad Lake Asphalt Operating Company, Limited, Brighton, Trinidad. Sanitary oil for use in lining ditches. 270,562; Dec. 31. Class 6.
United Pharmaceutical Laboratories. (See Beadle, Eugene E.)
United States Shoe Company, The, Cincinnati, Ohio. Shoes. 271,154; Dec. 31. Class 39.
Universal Packing Manufacturing Co. (See Roe, Chester M.)
Valrose Chemical Co. (See Woolsey, Henry S.)
Veeder-Root Incorporated, Hartford, Conn. Mechanical counting and indicating devices. 273,482; Dec. 31. Class 26.
Velvetknit Corporation, Syracuse, N. Y. Knitted cloth. 290,805; Dec. 31. Class 29.
Victor Balata & Textile Belting Co., New York, N. Y. Solid woven belt. 291,956-7; Dec. 31. Class 35.
Victor Goulash Co., Chicago, Ill. Goulash. 289,558; Dec. 31. Class 46.
Victory Racing Plate Company, The, Baltimore, Md. Horseshoes. 283,357; Dec. 31. Class 3.
Vitagenol Medicine Co., El Paso, Tex. General nutritive and restorative tonic. 292,598; Dec. 31. Class 6.
Washington Manufacturing Co., Nashville, Tenn. Work clothing. 289,700; Dec. 31. Class 39.
Waterbury Mattress Company, The, Waterbury, Conn. Bed springs, pillows, mattresses, etc. 292,019; Dec. 31. Class 32.
Webster, William A., Company, The, Memphis, Tenn. Toothbrushes and shaving brushes. 292,135; Dec. 31. Class 29.
Webster, William A., Company, The, Memphis, Tenn. Dental cream. 292,137; Dec. 31. Class 6.
Westchester County Automotive Service Association, Inc., Yonkers, N. Y. Gasoline, kerosene, greases, etc. 291,375; Dec. 31. Class 15.
Western Cartridge Company, East Alton, Ill. Rifle cartridges. 284,709; Dec. 31. Class 9.
Western Shade Cloth Company, The, Chicago, Ill. Window-shade cloth. 292,696; Dec. 31. Class 42.
Windship, Bolt & Co., Wakefield, Mass. Underwear. 291,946; Dec. 31. Class 39.
Wolcott, Incorporated, Hartford, Conn. Exercisers. 287,271; Dec. 31. Class 44.
Wolverton, Marie K., doing business as Ridde-Girms Chemical Co., Detroit, Mich. Antiseptic and astringent powders. 283,244; Dec. 31. Class 6.
Woolsey, Henry S., doing business as Valrose Chemical Co., Kingston, N. Y. Tablets having the properties of a tonic and body builder. 274,687; Dec. 31. Class 6.
Wyoming Valley Paper Mill, Northumberland, N. H., and New York, N. Y. Toilet paper. 289,431-2; Dec. 31. Class 27.
Yellow Taxi Corp., New York, New York, N. Y. Taxicabs. 269,170; Dec. 31. Class 19.
Zenith Radio Corporation, Chicago, Ill. Radio receiving sets and parts thereof and apparatus. 273,789; Dec. 31. Class 21.
Zigal Products Co., Rochester, N. Y. Bleaching liquid. 281,184; Dec. 31. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay and calcined fire clay. Fire. North American Refractories Company. 265,469; Dec. 31; Serial No. 287,767; published Sept. 24, 1929.
Coal. Colorado Fuel & Iron Company. 265,491-2; Dec. 31; Serial Nos. 286,817-8; published Oct. 1, 1929.
Coal. Houston Coal Company. 265,575; Dec. 31; Serial No. 287,078; published Oct. 1, 1929.
Coal. Knight Products, Inc. 265,522; Dec. 31; Serial No. 281,145; published Oct. 1, 1929.
Coal. Midland Coal Sales Company. 265,506; Dec. 31; Serial No. 267,005; published July 24, 1928.
Coal. Anthracite. W. G. Morton. 77,780; renewed May 3, 1930.
Coal, cannel coal, and coke, Anthracite and bituminous. Jenkins & Macy Company. 265,498; Dec. 31; Serial No. 276,845; published Oct. 1, 1929.
Dahlia tubers, plants, etc. W. W. Maytrott. 265,531; Dec. 31; Serial No. 284,479; published Oct. 15, 1929.
Earth, Fuller's. Choctaw Clay Corporation. 265,529; Dec. 31; Serial No. 286,419; published Oct. 15, 1929.
Hops. H. Rubin. 265,568; Dec. 31; Serial No. 287,979; published Oct. 1, 1929.
Horticultural growths. T. F. Borst. 265,513; Dec. 13; Serial No. 283,371; published Oct. 1, 1929.
Kid, Glazed. McNeely Company. 265,581; Dec. 31; Serial No. 286,356; published Oct. 1, 1929.
Lambskins. Lawrence, Inc. 265,551; Dec. 31; Serial No. 287,533; published Oct. 15, 1929.
Leather. Schalmann Sportswear Company. 265,567; Dec. 31; Serial No. 288,091; published Oct. 1, 1929.
Leather, finished kid and goats' skin. New Castle Leather Co. 265,576; Dec. 31; Serial No. 286,894; published Oct. 1, 1929.
Materials to be used in molding and core sands. Blend of natural. Hill & Griffith Co. 265,506; Dec. 31; Serial No. 267,254; published Aug. 21, 1928.
Moulding mass. Negative. Apotela Aktiengesellschaft. 265,496; Dec. 31; Serial No. 285,319; published Sept. 24, 1929.
Peat dust. Pennrich & Company. 265,517; Dec. 31; Serial No. 282,675; published Oct. 15, 1929.
Peat, Ground moss. U. S. Trading Company. 265,644; Dec. 31.
Peat-moss bales for poultry litter. Pennrich & Company. 265,516; Dec. 31; Serial No. 282,676; published Oct. 15, 1929.
Peat-moss bales for stable bedding. Pennrich & Company. 265,518; Dec. 31; Serial No. 282,674; published Oct. 15, 1929.
Peat mull. Pennrich & Co., Inc. 265,515; Dec. 31; Serial No. 282,677; published Oct. 15, 1929.

Product from coal and oil, Raw or partly-prepared. Koppers Company. 265,476; Dec. 31; Serial No. 277,373; published Oct. 1, 1929.
Product from coal and oil, Raw or partly-prepared. Koppers Company. 265,502; Dec. 31; Serial No. 269,027; published Oct. 1, 1929.
Rosin. Newport Company. 265,625; Dec. 31.
Skins, Fur. A. Hollander & Son, Inc. 265,565; Dec. 31; Serial No. 288,337; published Oct. 8, 1929.
Waste of cotton, wool, and mixtures thereof. Federal Paper Stock Co. 265,494; Dec. 31; Serial No. 286,237; published Oct. 8, 1929.

CLASS 2

Bins, pails, and buckets and parts thereof. Schmidt & Melmer. 265,520; Dec. 31; Serial No. 282,138; published Oct. 15, 1929.

CLASS 3

Horseshoe calks. S. H. Roberts. 71,342; renewed Nov. 17, 1928.
Trunks, Automobile. Fleetwood Auto Trunk & Supply Co. 265,637; Dec. 31.

CLASS 4

Cleaning and polishing preparations. M. S. Manning. 77,554; renewed Apr. 19, 1930.
Metal polish. E. W. Bennett and Company. 76,907; renewed Feb. 22, 1930.

CLASS 5

Adhesive liquid rubber coating. Hold-Tite Products Company. 265,601; Dec. 31.
Glue. Swift and Company. 265,595; Dec. 31.

CLASS 6

Baking powder. Oliver-Flinn Co. 77,753; renewed May 3, 1930.
Chemical or catalytical agent, Oxidizing. Carbox Chemical Company. 265,582; Dec. 31; Serial No. 286,154; published Oct. 15, 1929.
Cod-liver-oil powder. Oelwein Chemical Co. 265,561; Dec. 31; Serial No. 289,288; published Oct. 15, 1929.
Composition for use in treating hair. Grant & Hall Laboratories. 265,574; Dec. 31; Serial No. 287,470; published Oct. 15, 1929.
Cream. Elizabeth Arden, Inc. 265,639; Dec. 31.
Cream, Face. Newskin Company. 265,479; Dec. 31; Serial No. 289,242; published Oct. 15, 1929.
Cream, Hairdressing. B. Gellman. 265,508; Dec. 31; Serial No. 263,359; published Nov. 20, 1928.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

ix

Deodorant, Air. Puritan Chemical Company. 265,562; Dec. 31; Serial No. 289,252; published Oct. 15, 1929.
Dyestuffs, zinc chloride, aluminum chloride, etc. Newport Company. 265,624; Dec. 31.
Eyewater. J. R. Dickey. 76,355; renewed Jan. 11, 1930.
Gas, Chlorin. Electro Bleaching Gas Company. 76,714; renewed Feb. 8, 1930.
Herb tea. I. Caldwell. 33,045; renewed June 6, 1929.
Medicinal plaster. Thomas & Leippes. 265,480; Dec. 31; Serial No. 289,236; published Oct. 15, 1929.
Medicinal preparation. Research Laboratories, Inc. 265,504; Dec. 31; Serial No. 267,858; published Oct. 15, 1929.
Perfume, toilet waters, lotions, etc. Les Parfums de Molyneux, Inc. 265,590; Dec. 31.
Pills for female complaints. H. B. Taylor. 77,111; renewed Mar. 8, 1930.
Powder, Foot. R. J. Moore. 76,255; renewed Dec. 28, 1929.
Powder, Hide. W. H. Teas. 76,824; renewed Feb. 15, 1930.
Preparation for the nerves, rheumatism, and neuritis. D. W. Blankinship. 265,572; Dec. 31; Serial No. 287,690; published Oct. 15, 1929.
Preparation for the treatment of headache, neuralgia, lumbago, etc. A. B. Scheetman. 265,499; Dec. 31; Serial No. 276,805; published July 23, 1929.
Purifying material for gas. Connelly Iron Sponge & Governor Company. 77,904; renewed May 17, 1930.
Remedies for certain diseases. E. J. Wilson. 76,954; renewed Mar. 1, 1930.
Remedy for certain diseases. A. Schoenheit Medicine Co. 75,656; renewed Nov. 2, 1929.
Rouges, face powders, face creams, etc. D. Freedman. 265,577; Dec. 31; Serial No. 286,874; published Oct. 15, 1929.
Salt, Granular effervescent. Upjohn Company. 265,563; Dec. 31; Serial No. 289,221; published Oct. 15, 1929.
Solution, Hair-waving. D. B. Addington. 265,570; Dec. 31; Serial No. 287,733; published Oct. 15, 1929.
Tonic, Hair. A. Amenta. 265,627; Dec. 31.

CLASS 7

Rope, Manila. Ynchausti & Co. 265,488; Dec. 31; Serial No. 287,949; published Oct. 15, 1929.

CLASS 8

Pipes. Schwabacher Bros. & Co. Inc. 76,306; renewed Jan. 4, 1930.

CLASS 12

Bituminous composition for roadways. W. B. Catchings. 265,546; Dec. 31; Serial No. 287,906; published Oct. 15, 1929.

Brick, Fire. W. S. Dickey Clay Manufacturing Co. 265,474; Dec. 31; Serial No. 278,211; published Oct. 1, 1929.
Brick, Fire. Evans & Howard Fire Brick Co. 265,586; Dec. 31; Serial No. 288,116; published Oct. 1, 1929.
Cement, Building. Utica Hydraulic Cement Company. 265,648; Dec. 31.
Cement for construction work. Century Cement Corporation. 265,523; Dec. 31; Serial No. 280,630; published Oct. 15, 1929.
Cement, High-temperature refractory. General Refractories Company. 265,528; Dec. 31; Serial No. 286,613; published Oct. 15, 1929.
Cement stucco, magnesite stucco, and plaster. General Flooring & Stucco Corporation. 265,544; Dec. 31; Serial No. 288,297; published Oct. 1, 1929.
Concrete, brick, lumber, etc. Northern Illinois Construction Company. 265,525; Dec. 31; Serial No. 280,190; published Oct. 1, 1929.
Doors, Pacific Door and Sash Company. 265,622; Dec. 31.
Felts for lining or filling walls, floors, etc. Johns-Manville Corporation. 265,571; Dec. 31; Serial No. 287,731; published Sept. 24, 1929.
Fire-brick material, Refractory. Denver Fire Clay Company. 265,548; Dec. 31; Serial No. 287,743; published Sept. 24, 1929.
Granite and granite, Cut. Royal Granite Company. 265,559; Dec. 31; Serial No. 285,176; published Oct. 1, 1929.
Granite and granite finished, Cut. Royal Granite Company. 265,560; Dec. 31; Serial No. 285,174; published Oct. 8, 1929.
Lumber. Dwight Lumber Co. 265,557; Dec. 31; Serial No. 285,735; published Oct. 15, 1929.
Material in the nature of a plastic composition. Durallith Corporation. 265,514; Dec. 31; Serial No. 283,183; published Oct. 15, 1929.
Paving material. Neuberger Chemical Corporation. 265,553; Dec. 31; Serial No. 286,940; published Oct. 1, 1929.
Plywood for airplanes. D. L. Auld Company. 265,550; Dec. 31; Serial No. 287,556; published Oct. 15, 1929.
Roofing, Composition. Mid-West Home Service Company. 265,545; Dec. 31; Serial No. 287,941; published Oct. 1, 1929.
Roofing materials. Star Roof Co. Inc. 265,477; Dec. 31; Serial No. 282,203; published Oct. 15, 1929.
Shingles, Wooden. C. E. Putnam. 265,538-9 Dec. 31; Serial Nos. 283,024-5; published Oct. 1, 1929.
Skylights, rain spouts, eaves troughs, etc. South Shore Sheet Metal Works, Inc. 265,556; Dec. 31; Serial No. 285,294; published Oct. 15, 1929.

Sound-absorbing material. United States Gypsum Company. 265,549; Dec. 31; Serial No. 287,640; published Oct. 15, 1929.
Stipple wall finish. Con-Ferro Paint and Varnish Co. 265,552; Dec. 31; Serial No. 287,793; published Oct. 1, 1929.
Stone. Cleveland Stone Company. 34,353; renewed Mar. 20, 1930.
Stucco and plastic coatings. Plastic Stone Products Corp. 265,579; Dec. 31; Serial No. 286,585; published Oct. 1, 1929.
Stucco and plastic coatings and plastic wall finishes. Plastic Stone Products Corp. 265,578; Dec. 31; Serial No. 286,586; published Sept. 24, 1929.
Stucco and plastic coatings and plastic wall finishes. Plastic Stone Products Corp. 265,580; Dec. 31; Serial No. 286,584; published Sept. 24, 1929.
Wedges, anchors, hangers, and mountings for angle irons of walls. Peerless Wedge Company. 265,646; Dec. 31.

CLASS 13

Aluminum ware. Great Northern Products Co. 265,483-4; Dec. 31; Serial Nos. 288,233-4; published Oct. 15, 1929.
Bathrooms, lavatories, toilet bowls, and drinking fountains. "Keramag". Keramische Werke Aktiengesellschaft. 265,534; Dec. 31; Serial No. 284,182; published Oct. 15, 1929.
Flushometers, toilet chairs for water-closet supports, etc. Fee & Mason Manufacturing Company. 265,493; Dec. 31; Serial No. 286,318; published Oct. 15, 1929.
Hinges, Steel. Stanley Works. 76,520; renewed Jan. 25, 1930.
Pipe. Norfolk Tank Corporation. 265,594; Dec. 31.
Valves. American Steam Gauge & Valve Mfg. Co. 76,984; renewed Mar. 1, 1930.

CLASS 14

Calcium metal, calcium alloys, magnesium alloys, etc. I. G. Farbenindustrie Aktiengesellschaft. 265,569; Dec. 31; Serial No. 287,803; published Oct. 8, 1929.
Castings, alloy-steel. Dodge Steel Company. 265,487; Dec. 31; Serial No. 287,960; published Oct. 8, 1929.
Metal alloys. Duralloy Company. 265,487; Dec. 31; Serial No. 285,256; published Oct. 15, 1929.
Metals, alloys, and journal bearings. Antifriction. Magnolia Metal Company. 34,606; renewed May 1, 1930.
Steel. Deutsche Edelstahlwerke A. G. 265,482; Dec. 31; Serial No. 288,899; published Oct. 8, 1929.

CLASS 15

Candles. Standard Oil Company. 265,605; Dec. 31.
Oils, greases, gasoline, and kerosene. Riley Penn Oil Company. 265,584; Dec. 31.
Petroleum. Standard Oil Company of New York. 76,188; renewed Dec. 21, 1929.

CLASS 16

Paints and paint products, etc. Frazer Paint Company. 265,635; Dec. 31.
Plastic self-hardening material. Harris-Thomas Company. 265,597; Dec. 31.
Turpentine. Newport Company. 265,623; Dec. 31.

CLASS 17

Cigars, tobies, and cheroots. Standard Cigar Company of Pittsburgh, Pa. 76,800; renewed Feb. 15, 1930.

CLASS 19

Aeroplanes. Fairchild Aviation Corporation. 265,501; Dec. 31; Serial No. 271,596; published Oct. 15, 1929.
Automobiles and structural parts thereof. R. H. Williams. 265,530; Dec. 31; Serial No. 284,713; published Oct. 15, 1929.
Buffing and draw springs and bearing blocks. India-rubber. George Spencer, Moulton & Company. 265,540; Dec. 31; Serial No. 283,559; published Oct. 15, 1929.
Shock-absorbing rings and cords. Russell Manufacturing Company. 265,536; Dec. 31; Serial No. 283,699; published Oct. 15, 1929.
Windshield wipers and cleaners. McConnell Mfg. Company. 265,593; Dec. 31.

CLASS 21

Light projectors. Darklite Corporation. 265,583; Dec. 31; Serial No. 281,411; published Oct. 15, 1929.
Loud-speakers. C. L. Farrand. 265,598; Dec. 31.
Mixers, Electric motor-driven food. A. F. Dormeyer Mfg. Co. 265,585; Dec. 31.
Radio broadcast receiving apparatus, loud-speakers, etc. Kolster Radio Corporation. 265,612; Dec. 31.

CLASS 22

Golf balls. Dea Rosieres Patents Company. 265,650; Dec. 31.
Toy airship construction sets. Metalcraft Corporation. 265,649; Dec. 31.
Toys. Keen Corporation. 265,611; Dec. 31.

CLASS 23

Cultivators. Hartman Mfg. Co. 77,870; renewed May 10, 1930.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Cylinder for carding cotton, Straight-tooth, Edward C. Rowers and Charles L. Feldman, 265,641; Dec. 31.
Hatchets, hammers, knives, etc., Markwell Manufacturing Co., Inc., 265,481; Dec. 31.
Hatchets, screw drivers, and steel knives, Burgess-Norton Mfg. Company, 77,222; renewed Mar. 22, 1930.
Machines, Certain, Heaton-Peninsular Button Fastener Company, 76,998; renewed Mar. 1, 1930.
Razors, E. Weck, 77,682; renewed Apr. 26, 1930.
Razors, Safety, Rolfs Razor (1927) Limited, 265,629; Dec. 31.
Spraying apparatus and systems, Hartman Electrical Mfg. Co., 265,610; Dec. 31.
Tools, Norvell-Shapleigh Hardware Company, 77,752; renewed May 3, 1930.
Tools, Warren Axe & Tool Company, 77,014; renewed Mar. 1, 1930.

CLASS 24

Laundry washing machines and parts thereof, Voss Bros. Mfg. Co., 265,472; Dec. 31; Serial No. 279,579; published Oct. 15, 1929.
Washboards, National Washboard Company, 265,485-6; Dec. 31; Serial Nos. 288,027-8; published Oct. 15, 1929.

CLASS 25

Locks and bolts, Norvell-Shapleigh Hardware Company, 77,750; renewed May 3, 1930.
Scales, Howe Scale Co., 77,241; renewed Mar. 22, 1930.

CLASS 26

Glasses, Marine and field, Pinkham & Smith Company, 77,754; renewed May 3, 1930.
Squares and wing dividers, Norvell-Shapleigh Hardware Company, 77,751; renewed May 3, 1930.
Thermometer tubes and thermometers, Jenae Glaswerk Schott & Gen., 265,636; Dec. 31.

CLASS 27

Watches, S. Isrel, 265,632; Dec. 31.

CLASS 28

Brooms, Merkle Wiley Broom Co., 77,660-1; renewed Apr. 26, 1930.
Brushes for artificial teeth and plates, Depyro Laboratories, 265,478; Dec. 31; Serial No. 280,344; published Oct. 15, 1929.

CLASS 32

Chairs, foot rests, stools, etc., Emil J. Paldar Company, 265,600; Dec. 31.
Shades, Window, Western Shade Cloth Company, 265,603; Dec. 31.

CLASS 33

Bottles, Empty glass, Stanco Incorporated, 265,526; Dec. 31; Serial No. 280,139; published Oct. 15, 1929.

CLASS 34

Heaters, Gas, Warmack-Williams Stove Co., 265,606; Dec. 31.
Heating apparatus, Taplin-Rice-Clerkin Company, 70,048; renewed Dec. 7, 1929.
Heating registers, Tuttle & Bailey Manufacturing Company, 265,602; Dec. 31.
Lamp shades, Parchment, Tinsel Corporation of America, 265,521; Dec. 31; Serial No. 281,974; published Oct. 15, 1929.

CLASS 35

Belting and hose, United States Rubber Company, 265,628; Dec. 31.
Hose, Goodyear Tire & Rubber Company, 265,590; Dec. 31.

CLASS 36

Accordions, Gretsch & Brenner, Inc., 265,589; Dec. 31.

CLASS 37

Books, Account, Badger Specialty Company, 265,614; Dec. 31.
Forms, Blank, Rigot & Wiseman, 265,588; Dec. 31.
Paper, Wall, Richard E. Thibaut, Incorporated, 265,607; Dec. 31.
Paper, Writing, Crocker-McElwain Company, 77,905-S; renewed May 17, 1930.

CLASS 38

Magazines, newspapers, and trade papers, etc., Articles or news columns for, Fairchild Publications Corp., 265,654; Dec. 31.
Photo prints, Smith & Butterfield Co., 265,475; Dec. 31; Serial No. 277,855; published May 14, 1929.
Pictures and pictorial illustrations, Printed, R. R. Donnelley & Sons Company, 77,407; renewed Apr. 5, 1930.
Publications, Printed, Ramer Reviews, Inc., 265,473; Dec. 31; Serial No. 278,310; published Apr. 2, 1929.

CLASS 39

Apparel, Wearing, J. J. Henkel Co., 265,616; Dec. 31.
Boots and shoes, Florsheim Shoe Company, 77,632; renewed Apr. 26, 1930.

Collars, Men's, Bilrite Collar Co., 265,633; Dec. 31.
Corsets, Aurora Corset Company, 77,607; renewed Apr. 26, 1930.
Gloves, M. Mayer, 265,615; Dec. 31.
Hats and lingerie, E. E. Atkinson & Co., 265,619; Dec. 31.
Hosiery, Brown Durrell Co., 265,490; Dec. 31; Serial No. 286,865; published Oct. 15.
Hosiery, Kahn & Frank, 77,815; renewed May 10, 1930.
Hosiery, Parisian Company, 265,640; Dec. 31.
Sandals, Walther Loewendahl Shoe Co., Inc., 265,020; Dec. 31.
Shoes, J. Glassberg, 265,617; Dec. 31.
Shoes, May Department Stores Company, 265,621; Dec. 31.
Shoes, slippers, boots, etc., Artistic Shoe Company, 265,618; Dec. 31.
Stockings, Pedden Brothers Company, Inc., 265,634; Dec. 31.
Suits, Men's, Elseman's Inc., 265,638; Dec. 31.
Suits, overalls, jackets, etc., Cary and Company, 265,651; Dec. 31.

CLASS 40

Fasteners, Metallic, Heaton-Peninsular Button Fastener Company, 76,951; renewed Mar. 1, 1930.
Hairpins and combs, Pacific Novelty Company, 76,196; renewed Dec. 28, 1929.

CLASS 42

Blankets, Beacon Manufacturing Company, 265,509; Dec. 31; Serial No. 260,973; published Oct. 15, 1929.
Carpets, Textile, Barrymore Seamless Wiltons, Inc., 265,653; Dec. 31.
Cotton duck, Mount Vernon-Woodberry Mills, Inc., 265,554; Dec. 31; Serial No. 286,834; published Oct. 15, 1929.
Cotton piece goods, Edwin E. Berliner & Co., 265,512; Dec. 31; Serial No. 229,983; published Oct. 15, 1929.
Cotton piece goods, Printed, National Fabric & Finishing Company, 265,507; Dec. 31; Serial No. 266,614; published Oct. 15, 1929.
Cotton, silk, and cotton and silk fabrics in the piece, Novelty, Inc., 265,543; Dec. 31; Serial No. 288,483; published Oct. 15, 1929.
Cotton, silk, etc., piece goods, Gossett Mills, 265,555; Dec. 31; Serial No. 286,118; published Oct. 15, 1929.
Coutils, batistes, satins, etc., E. de Grandmont, 75,846; renewed Nov. 23, 1929.
Embroidery and laces in piece goods, Compagnie Generale d'Electricite, 265,537; Dec. 31; Serial No. 283,665; published Oct. 15, 1929.
Fabrics, A. D. Juillard & Co., 265,532; Dec. 31; Serial No. 284,357; published Oct. 15, 1929.
Fabrics, Wash, Sears, Roebuck and Co., 265,547; Dec. 31; Serial No. 287,845; published Oct. 15, 1929.
Fabrics, Woolen and worsted, Detmer, Bruner & Mason, Inc., 265,642; Dec. 31.
Serge, Egerton Burnett, Lt., 76,324; renewed Jan. 4, 1930.
Sheets, pillowcases, blankets, W. H. Wright & Sons Company, 265,542; Dec. 31; Serial No. 288,770; published Oct. 15, 1929.
Silk crepe and cotton crepe, Aronson-Caplin Company, 265,541; Dec. 31; Serial No. 288,772; published Oct. 15, 1929.
Silk piece goods, Foremost Fabrics Corporation, 265,519; Dec. 31; Serial No. 282,534; published Oct. 15, 1929.
Silk piece goods, George Brown's Sons, Inc., 265,652; Dec. 31.
Tablecloths, napkins, etc., Linen, Perlmann, Schall and Stern, Inc., 265,558; Dec. 31; Serial No. 285,294; published Oct. 15, 1929.
Textiles, F. A. Foster & Co., Inc., 77,716; renewed May 3, 1930.
Woolen piece goods, E. de Montagnac & Fils, 265,503; Dec. 31; Serial No. 268,851; published Oct. 15, 1929.

CLASS 44

Belts, Abdominal and sanitary, Adjuta Co., 265,587; Dec. 31.
Dental cement and root filler, W. B. Glatfelter, 77,642; renewed Apr. 26, 1930.

CLASS 45

Beverage, Maltless, W. Traugott, 265,495; Dec. 31; Serial No. 286,088; published Oct. 15, 1929.
Beverages, Piel Bros., 265,630-1; Dec. 31.
Extract, Non-alcoholic, John Dixon & Co., 75,694; renewed Nov. 2, 1929.

CLASS 46

Butter rings, M. Shumofsky, 265,586; Dec. 31.
Cake, Coffee, M. Shumofsky, 265,626; Dec. 31.
Canned fruits, Carquinez Packing Co., 77,197-8; renewed Mar. 22, 1930.
Canned fruits and vegetables, Pratt-Low Preserving Company, 76,599; renewed Feb. 1, 1930.
Canned fruits and vegetables, Pratt-Low Preserving Company, 76,698; renewed Feb. 8, 1930.
Canned fruits and vegetables, Pratt-Low Preserving Company, 77,138; renewed Mar. 15, 1930.
Canned peas, Waukesha Canning Company, 77,015; renewed Mar. 1, 1930.
Canned vegetables, Waukesha Canning Company, 76,465; renewed Jan. 18, 1930.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Chocolates and candies, Sally Baker Candy Shops, Inc., 265,645; Dec. 31.
Coffee and tea, National Coffee Co., 76,527; renewed Jan. 25, 1930.
Extracts, Flavoring, Price Flavoring Extract Company, 77,597; renewed Apr. 19, 1930.
Flour, coffee, peanut butter, etc., Wheat, G. & M. Stores, Inc., 265,527; Dec. 31; Serial No. 286,322; published Oct. 15, 1929.
Foods, Kroger Grocery & Baking Co., 76,561; renewed Jan. 25, 1930.
Foods, Squirrel Brand Company, 76,187; renewed; Dec. 31.
Fruits, W. H. De Berard, 265,609; Dec. 31.
Fruits, Dried, California Prune & Apricot Growers Association, 265,604; Dec. 31.
Fruits, Fresh citrus, Texas Citrus Fruit Growers Exchange, 265,647; Dec. 31.
Fruits, orange jelly, orange marmalade, etc., Fresh citrus, Holly Hill Fruit Products, Inc., 265,592; Dec. 31.
Gum, Chewing, Curtiss Candy Company, 265,613; Dec. 31.
Pears, Fresh, E. F. Gleason, 265,643; Dec. 31.
Poultry, Dressed, Missouri Egg & Poultry Company, 265,591; Dec. 31.
Preserves, jelly, and canned crush fruits, Fruit, H. Baron & Co., 265,599; Dec. 31.
Rice, Seaboard Rice Milling Co., 77,427; renewed Apr. 5, 1930.

Rice, Seaboard Rice Milling Co., 77,833-5; renewed May 10, 1930.
Tapioca, Minute Tapioca Company, 75,870; renewed Nov. 23, 1929.
Vegetables, Eugehretson Grupe Co., 265,608; Dec. 31.

CLASS 50

Cotton, linen, and/or textile fabrics treated with rubber or other proofing material, E. S. Twining & Co., 265,564; Dec. 31; Serial No. 288,675; published Oct. 15, 1929.
Electrotypes, W. C. Jacobs, 77,734; renewed May 3, 1930.
Furniture pads, Fulton Bag & Cotton Mills, 265,524; Dec. 31; Serial No. 280,441; published Oct. 15, 1929.
Hair-felt carpet lining, Reisig Hair Felt Co., Inc., 265,500; Dec. 31; Serial No. 276,222; published Oct. 15, 1929.
Hangers, Fur-scarf, G. Davison, 265,573; Dec. 31; Serial No. 287,651; published Sept. 24, 1929.
Pads and mats, Sun Rubber Company, 265,510; Dec. 31; Serial No. 255,324; published Oct. 1, 1929.
Signs and signals, J. R. Powers, 265,511; Dec. 31; Serial No. 234,447; published Oct. 1, 1929.
Tents, grave hangings, canopies, etc., Barnett Canvas Goods & Bag Co., Inc., 265,533; Dec. 31; Serial No. 284,319; published Oct. 15, 1929.
Waterproofed textile fabrics, Zapon Company, 265,535; Dec. 31; Serial No. 283,914; published Oct. 15, 1929.

ALPHABETICAL LIST OF LABELS.

A Little Smile, For Flavoring Extracts, R. Pichel, 36,848; Dec. 31.
Absorbine Jr., For Liniment, W. F. Young, Inc., 36,862; Dec. 31.
American Beauty Giant Pop Corn, For Pop Corn, American Pop Corn Company, 36,820; Dec. 31.
Angonosa's, For Bread Sticks, A. Angonosa, Inc., 36,821; Dec. 31.
Aromints Cinnamon, For Candy, Aromint Corporation, 36,829; Dec. 31.
Aromints Cloves, For Candy, Aromint Corporation, 36,825; Dec. 31.
Aromints Cocktail, For Candy, Aromint Corporation, 36,822; Dec. 31.
Aromints Licorice, For Candy, Aromint Corporation, 36,824; Dec. 31.
Aromints Lime, For Candy, Aromint Corporation, 36,826; Dec. 31.
Aromints Orange, For Candy, Aromint Corporation, 36,827; Dec. 31.
Aromints Violet, For Candy, Aromint Corporation, 36,823; Dec. 31.
Aromints Wintergreen, For Candy, Aromint Corporation, 36,828; Dec. 31.
Begley's Famous Corned Beef and Cabbage, For Canned Corned Beef and Cabbage, Begley Food Products Co., 36,830; Dec. 31.
Bison Sapor, For Cottonseed Salad Oil, A. Gluriani & Bro., 36,838; Dec. 31.
Carnival, For Rubber Stamp Sets for Children, Superior Type Company, 36,859; Dec. 31.
Dairyland Gray-Jensen Process, Dried Skim Milk, For Dried Skim Milk, Dairyland's League Co-Operative Association, Inc., 36,834; Dec. 31.
Dairyland Roller Process, Dried Skim Milk, For Dried Skim Milk, Dairyland's League Co-Operative Association, Inc., 36,834; Dec. 31.
Decarbonol, For Compound for Decarbonizing and Lubricating the Upper Gasoline-Engine Cylinder, G. F. Ruddle, 36,850; Dec. 31.
Donble-Kay Nut-Butter Toasted, For Nuts, Kelling Nut Co., 36,844; Dec. 31.
Dromedary Grapefruit, For Canned Grapefruit, Hills Brothers Company of Florida, 36,840; Dec. 31.
Dr. Scholl's Airline Arch Support, For Arch Supports, Scholl Mfg. Co., 36,853; Dec. 31.

Dr. Scholl's Scientific Arch Supports, For Arch Supports, Scholl Mfg. Co., 36,852; Dec. 31.
Dr. Scholl's Surgical Arch Supports, For Arch Supports, Scholl Mfg. Co., 36,851; Dec. 31.
Easy to Eat, For Chocolate-Coated Peanuts, Tom Huston Peanut Company, 36,842; Dec. 31.
Escoldol, For Detergents, Cowles Detergent Company, 36,833; Dec. 31.
Five Gallons B-K, Concentrated Sodium Hypochlorite, For Sodium Hypochlorite Fluid, General Laboratories, Inc., 36,836; Dec. 31.
Fleischmann's Spring Laid Egg Whites, For Frozen Egg Whites, Standard Brands Incorporated, 36,856; Dec. 31.
Fleischmann's Spring Laid Whole Eggs, For Frozen Whole Eggs, Standard Brands Incorporated, 36,857; Dec. 31.
Gilliam's Peas Bar, For Candy Bar, C. Gilliam, 36,837; Dec. 31.
Hale Hearty, For Malt Syrup, Philadelphia Malt Extract Company, 36,847; Dec. 31.
Hollywood English Type Ginger Beer, For Ginger Beer, Hollywood Dry Corporation, 36,841; Dec. 31.
Home Kraft Candies, For Candy, Geo. Haas & Sons, 36,839; Dec. 31.
Jeckay Pomade, For Pomade for Hair, Jeckay Products Co., 36,843; Dec. 31.
Komik Klown, For a Clown Doll, Pat Falge, Incorporated, 36,846; Dec. 31.
Lemon-Cheese Sandwich Spread, For a Sandwich Spread, V. T. Rinnander, 36,849; Dec. 31.
Mission Dry Sparkling Grapefruit, For Grapefruit Drink, California Crushed Fruit Corporation, 36,831; Dec. 31.
Mission Dry Sparkling Orange, For Orange Drink, California Crushed Fruit Corporation, 36,832; Dec. 31.
Mississippi, For Ginger Cake, Two Brothers' Bakery, 36,860; Dec. 31.
Navigator Lead Pencils, For Lead Pencils, Koh-I-Noor Pencilfabrik L. & C. Hardtmuth, 36,845; Dec. 31.
Silk Life, Incorporated, For a Silk Preservative, Silk Life, Incorporated, 36,854; Dec. 31.
Stuart Chocolates Co., For Chocolates, Stuart Chocolates Co., 36,858; Dec. 31.
The Sportman's Lotion, For Lotion for the Skin, M. E. Wiltse, 36,861; Dec. 31.

ALPHABETICAL LIST OF PRINTS.

Capital, For Incubators and Brooders, Capital Incubator Co., 12,273; Dec. 31.
Eureka Suction Echoes, For Plate Retainers to Hold Up Artificial Teeth, Eureka Suction Company, 12,275; Dec. 31.
Grace Tancill Jersey Coat Dress, Model 14, For Dresses, G. Tancill, 12,277; Dec. 31.
Here's How, Orange Crush-Dry, For a Carbonated Orangeade, Orange-Crush Company, 12,276; Dec. 31.
If You Should Take a Boat and Sail Around the World, For Venetian Toilet Preparations, Elizabeth Arden, Inc., 12,271; Dec. 31.

Mary and Antoinette Pinchot, Daughters of Mr. and Mrs. Amos Pinchot, of Park Avenue, New York, For Wheat Breakfast Food, Cream of Wheat Corporation, 12,274; Dec. 31.
The First Christmas Gifts, For Venetian Toilet Preparations, Elizabeth Arden, Inc., 12,270; Dec. 31.
The First Christmas Gifts, For Venetian Toilet Preparations, Elizabeth Arden, Inc., 12,272; Dec. 31.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31st DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil-circuit interrupter. 1,741,965; Dec. 31.
- Aaron, Albert, and S. Benjamin, Gloversville, assignors to Louis Meyers & Son, Inc., New York, N. Y. Binding. 1,742,117; Dec. 31.
- Achilles, Friedrich, Aachen, Germany. Card clothing. 1,741,597; Dec. 31.
- Acker, George H., assignor to The Cleveland Worm and Gear Company, Cleveland, Ohio. Worm-gear reduction unit. 1,741,671; Dec. 31.
- Acker, Miriam C., assignor to Isabey-Paris, Inc., New York, N. Y. Lip-stick holder. Des. 80,211; Dec. 31.
- Ackerman, Albert H., Chicago, Ill., assignor to Catalytic Chemical Company. Treating mineral oils. 1,742,020; Dec. 31.
- Ackerman, Albert H., Chicago, Ill., assignor to Catalytic Chemical Company, Denver, Colo. Treating lubricating oil stock. 1,742,021; Dec. 31.
- Ackerman, Frank, St. Louis, assignor to Curtis Manufacturing Company, Welston, Mo. Portable apparatus. 1,741,598; Dec. 31.
- Acme Motion Picture Projector Company. (See Moulton, Forest R., assignor.)
- Adamowicz, Philip J., Chicago, Ill. Bird cage. 1,741,967; Dec. 31.
- Adams, Nathan J., Poteet, Tex. Churn. 1,742,118; Dec. 31.
- Adams, Sam, assignor of one-half to O. H. Evans, Wellsboro, Pa. Milk-cooling device. 1,742,119; Dec. 31.
- Advance Machine Works, Inc. (See Ross, Hugh M., assignor.)
- Advance Machine Company. (See Richardson, M. H., and Gebert, assignors.)
- Afonso, Ivan R., London, England. Liquid-storage tank. 1,742,120; Dec. 31.
- Ager, Allen. (See Ager, C. E., Kall, Ager, and Kall.)
- Ager, Chester E., and P. Kall, A. Ager, and W. Kall, Lincoln, Nebr. Refreshment stand. Des. 80,212; Dec. 31.
- Agfa Ansco Corporation. (See Matthies, O., Dieterle, and Wendt, assignors.)
- Aktiebolaget Birka Regulator. (See Appelberg, Axel O., assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Baumann, Adolf, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Kloninger, Hans C., assignor.)
- Aktiengesellschaft vormals Skodawerke in Pilsen. (See Koubu, Ludwig, assignor.)
- Aland, Richard C. (See Baer, W. E., and Aland.)
- Albert, Alberto, Barcelona, Spain. Thermostatic circuit making and breaking device. 1,741,599; Dec. 31.
- Aldeborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Tubular gage. 1,741,268; Dec. 31.
- Alden, Reginald J., Springfield, Mass. Cartridge. 1,741,990; Dec. 31.
- Alden, Reginald J., Springfield, Mass. Cartridge. 1,741,991; Dec. 31.
- Alden, Reginald J., Pittsburg, Mass. Firearm. 1,741,992; Dec. 31.
- Alger, Harley C., assignor to R. R. Donnelley & Sons Co., Chicago, Ill. Gluing mechanism for bookbinding machines. 1,741,269; Dec. 31.
- Allen, George A., et al. (See Butler, Thomas H., assignor.)
- Allen, Grosvenor N., assignor to Onelda Community, Limited, Onelda, N. Y. Spoon or similar article. Des. 80,213; Dec. 31.
- Allgemeine Elektrizitäts-Gesellschaft. (See Radloff, Johannes, assignor.)
- Alliance Machine Company, The. (See Kendall, Edgar H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Brown, Arthur J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Zimmermann, James G., assignor.)
- Altman, Simon, Bronx, N. Y. Paper-currency holder. 1,741,270; Dec. 31.
- Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Spliced paper reed. 1,741,392; Dec. 31.
- Amend, William, Rochester, N. Y. Game. 1,741,903; Dec. 31.
- American Aluminum Ware Co. (See Brucker, Henry, assignor.)
- American Automatic Sanitation Company. (See Graffau, L. H., and Peterson, assignors.)
- American Brass Company, The. (See Coe, James R., assignor.)
- American Cyanamid Company. (See Barsky, G., and Griffith, assignors.)
- American Dresser Tunnel Kilns, Inc. (See Brain, George, assignor.)
- American Electrical Heater Company. (See Kuhn, Frank, assignor.)
- American Laundry Machinery Company, The. (See Schramm, Albert O., assignor.)
- American Laundry Machinery Company, The. (See Schramm, A. O., and Schreiber, assignors.)
- American Multigraph Company, The. (See Dietz, Valentin, assignor.)
- American Provident Corporation. (See De Forest, Charles, assignor.)
- American Rolling Mill Company, The. (See Wehr, E. R., and Mahle, assignors.)
- American Shoe Machinery and Tool Company. (See Krag, Harry W., assignor.)
- American Smelting and Refining Company. (See Slagle, E. A., and O'Harra, assignors.)
- American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
- American Telephone and Telegraph Company. (See French, Norman R., assignor.)
- American Telephone and Telegraph Company. (See Green, Estill L., assignor.)
- American Telephone and Telegraph Company. (See Niles, E. W., and Edwards, assignors.)
- American Type Founders Company. (See Kelly, William M., assignor.)
- Amory, Robert, Milton, Mass., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Spacing mechanism for conveyor systems. 1,741,752; Dec. 31.
- Amstutz, N. S. (See Pelletier, W. D., and Harris, assignors.)
- Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Retainer for nuts. 1,742,052; Dec. 31.
- Anderson, John E., assignor to Pilbrico Jointless Firebrick Company, Chicago, Ill. Circulating-air-cooled block. 1,741,180; Dec. 31.
- Angell, Edward C., New York, N. Y. Paper container. 1,741,490; Dec. 31.
- Angst, Emil, Seebach, near Zurich, Switzerland. Sewing machine. 1,741,179; Dec. 31.
- Ankersen, George W. (See Balson, H. B., and Ankersen.)
- Ansell, George A., assignor to The Dunlop Tire & Rubber Goods Co., Limited, Toronto, Ontario, Canada. Pressure hose and making same. 1,741,491; Dec. 31.
- Antoine, Tony, Brussels, Belgium. Carburetor for internal-combustion engines. 1,741,447; Dec. 31.
- Appelberg, Axel O., assignor to Aktiebolaget Birka Regulator, Stockholm, Sweden. Electric switch. 1,741,600; Dec. 31.
- Appelberg, Axel O., assignor to Aktiebolaget Birka Regulator, Stockholm, Sweden. Thermostatic make and break switch. 1,741,601; Dec. 31.
- Arnold, George A., East Orange, assignor to Motor Improvements, Inc., Newark, N. J. Filter. 1,741,672; Dec. 31.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter or similar article. Des. 80,214; Dec. 31.
- Art Metal Screen and Weather Strip Company. (See Shogren, Charles A., assignor.)
- Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
- Arvey Manufacturing Co., The. (See Hall, Richard E., assignor.)
- Asst. Michel L., Chicago, Ill. Cheese cutting machine. 1,741,753; Dec. 31.
- Athey, Isaac H., Chicago, Ill. Cane harvester. 1,741,602; Dec. 31.
- Atlanta Casket Company. (See Carlson, John E., assignor.)
- Atwater Kent Manufacturing Company. (See Fenton, Almon N., assignor.)
- Atwood, Leonard, Farmington, Me., assignor to National High Pressure Hose Co., Boston, Mass. Cord-forming apparatus. 1,742,172; Dec. 31.
- Automatic Electric Inc. (See Gillings, C., and Passmore, assignors.)
- Automatic Electric Inc. (See Voss, John H., assignor.)
- Automatic File & Index Co. (See Straubel, Frederick L. G., assignor.)
- Automatic Penell Vending Machine Corporation. (See Lowry, Samuel D., assignor.)
- Automatic Transmission Company. (See Lyman, Kenneth E., assignor.)
- Automatic Transmission Company. (See Lyman, K. E., and Lane, assignors.)

Automatic Transmission Company. (See Lyman, K. E., and McMullen, assignors.)
Automatic Transmission Company. (See Lyman, K. E., McMullen, and Lane, assignors.)
Automatic Transmission Company. (See McMullen, Roger B., Jr., assignor.)
Avery, Henry A., O. Petermann, and E. L. Harmon, Groton, assignors, by mesne assignments, to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,741,673; Dec. 31.
Avrutik, Joseph, Bronx, N. Y. Table. 1,741,904; Dec. 31.
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window-sash construction. 1,741,354; Dec. 31.
Axelman, Mayer, Chicago, Ill. Traveling-case frame. 1,741,603; Dec. 31.
Ayres, Eugene E., Jr., Swarthmore, assignor to The B. A. S. Company, Philadelphia, Pa. Chlorination. 1,741,393; Dec. 31.
Ayres, Eugene E., Jr., Chester, assignor to The B. A. S. Company, Philadelphia, Pa. Manufacture of glyoxal and glycollic acid. 1,741,394; Dec. 31.
B. A. S. Company, The. (See Ayres, Eugene E., Jr., assignor.)
Babcock, Leon W., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive. 1,741,146; Dec. 31.
Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
Babcock & Wilcox Company, The. (See Smith, Herman B., assignor.)
Babson, Henry B., and G. W. Ankersen, Chicago, Ill. High-frequency communicating system. 1,741,493; Dec. 31.
Baker, Charles H., assignor to Firestone Footwear Company, Hudson, Mass. Separable fastener. 1,741,805; Dec. 31.
Baker, George W., Chicago, Ill., and J. H. Dean, Ludington, Mich., assignor to Northwestern Expanded Metal Company, Chicago, Ill. Manufacture of expanded metal. 1,742,155; Dec. 31.
Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company, Carrier-current system. 1,741,218; Dec. 31.
Baker, William E. et al., trustees. (See Baker, W. E., and Aland, assignors.)
Baker, William E., and R. C. Aland, assignors to W. E. Baker and G. A. Frazz, trustees of The Web Engineering Company, Cleveland, Ohio. Fluid-pressure engine. 1,741,141; Dec. 31.
Ball, William, Wallington, England. Calculating machine, cash register, and the like. 1,742,053; Dec. 31.
Bamfield, James W., Toronto, Ohio, assignor to Follansbee Brothers Company, Pittsburgh, Pa. Polishing device for furnace conveyors. 1,741,494; Dec. 31.
Banning, Ephraim. (See Edelman, Philip E., assignor.)
Barber-Colman Company. (See Edgar, John, assignor.)
Barber, Herbert G., et al. (See Marlon, Frank, assignor.)
Barkel, Jean A. H., Washington, D. C. Internal-combustion engine. 1,741,355; Dec. 31.
Barker, Eugene. (See Speck, W. C., and Barker.)
Barker, Eugene. (See Speck, W. C., Barker, Whipple, and Dierker.)
Barratt, Frederick R., Krugersdorp, Transvaal, South Africa. Tube-mill shell liner. 1,741,604; Dec. 31.
Barratt Company, The. (See Canton, Maurice L., assignor.)
Barnowman, Arthur H., assignor to J. M. Fisher Company, Artichoke, Mass. Chain. 1,741,271; Dec. 31.
Barr, James P., Piedmont, assignor to The Little River Redwood Co., San Francisco, Calif. Deck for cooling towers. 1,741,495; Dec. 31.
Barsky, George, New York, N. Y., and P. W. Griffith, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing cyanamid. 1,741,674; Dec. 31.
Barth, Paul, et al. (See Doppera, John, assignor.)
Barton, Joseph M., Athol, Mass. Kettle. 1,741,675; Dec. 31.
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, Telephone system. 1,741,272; Dec. 31.
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, Protective device for electric circuits. 1,741,356; Dec. 31.
Bastian-Morley Company. (See Morley, James P., assignor.)
Bates, Albert J., Jr., Chicago, assignor to Bates Expanded Steel Truss Company, East Chicago, Ind. Manufacture of expanded-metal structures. 1,741,273; Dec. 31.
Bates, Charles H., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Machine and assembling screw parts or the like. 1,742,173; Dec. 31.
Bates Expanded Steel Truss Company. (See Bates, Albert J., Jr., assignor.)
Bath, Wilmer H., West Conshohocken, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,741,395; Dec. 31.
Bath, Wilmer H., West Conshohocken, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,741,396; Dec. 31.
Bath, Wilmer H., West Conshohocken, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,741,397; Dec. 31.

Bath, Wilmer H., West Conshohocken, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,741,398; Dec. 31.
Bauck, Theodore H., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Die-holding means for metal heading and trimming machines. 1,742,022; Dec. 31.
Baumann, Adolf, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Power-plant installation. 1,741,905; Dec. 31.
Baumann, Le Roy C., Chicago, Ill. Radio reproducer. 1,741,274; Dec. 31.
Bausch & Lomb Optical Company. (See Rayton, Wilber B., assignor.)
Bawtree, Edward, Orpington, England. Organ. 1,742,121; Dec. 31.
Bean, Ormond R., Portland, Oreg. Unitary combined tub and surgical basin. 1,741,606; Dec. 31.
Beattley, Earle J. R., Edgewood, R. I. Ophthalmic mounting. 1,741,806; Dec. 31.
Beattley, Earle J. R., Edgewood, and J. N. Nelson, Cranston, R. I., assignors to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,741,807; Dec. 31.
Beauchamp, George D. et al. (See Doppera, John, assignor.)
Beck, Christoph, Ludwigshafen-on-the-Rhine and H. Diekmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Liquefying oxides of nitrogen. 1,741,906; Dec. 31.
Beck, George C., Spokane, Wash. Machine for making expander steel. 1,741,905; Dec. 31.
Beck, George C., Spokane, Wash. Making expander steel. 1,741,907; Dec. 31.
Becker, Ellsworth D., and A. B. Elliott, Reading, Pa. Finger-ring guard. 1,741,908; Dec. 31.
Beckmann, George H., Saddle River, N. J. Windshield heater. 1,741,968; Dec. 31.
Begtrup, Edward F., Jersey City, N. J. Aluminothermic welding of rails and the like. 1,741,399; Dec. 31.
Belden Manufacturing Company. (See Werminie, Hugo H., assignor.)
Beler, Adolf, deceased, Pittsburgh, Pa., by Grayson Heat Control, Inc., Lynwood, Calif., assignee. Thermostatic valve. 1,742,544; Dec. 31.
Bell, John E., Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Fractionating vapors from pressure stills and the like. 1,741,275; Dec. 31.
Bell, John E., Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Operation of pressure stills. 1,741,276; Dec. 31.
Bell, John E., Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Cracking hydrocarbons. 1,741,357; Dec. 31.
Bell, John E., deceased, by L. R. Bell, executrix, Brooklyn, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,741,277; Dec. 31.
Bell, Lola R., executrix. (See Bell, John E.)
Bell Telephone Laboratories, Incorporated. (See Green, Charles W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
Bellows, Warren E., East Orange, N. J. Detachable connection for wrench sockets and the like. 1,741,969; Dec. 31.
Belohlavek, John, Chicago, Ill. Loose-leaf binder. 1,741,909; Dec. 31.
Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building construction. 1,741,219; Dec. 31.
Bemis Industries, Inc. (See Bemis, Albert F., assignor.)
Bender, Hoist Manufacturing Company. (See Schmidt, Friedrich J., assignor.)
Bendix Brake Company. (See Lyman, K. E., and McConkey, assignors.)
Bendix Brake Company. (See Thomas, George J., assignor.)
Benjamin, Schnyler. (See Aaron, A., and Benjamin.)
Bennett, Horace M., and S. J. Boman, Margaret, Tex. Sharpening device for hair clippers. 1,742,054; Dec. 31.
Benner, Raymond C., Niagara Falls, and A. P. Thompson, Jackson Heights, assignor to General Chemical Company, New York, N. Y. Producing elemental sulphur. 1,741,551; Dec. 31.
Bennis, Alfred W., Little Hulton, near Bolton, England. Mechanically-actuated grate furnace. 1,741,808; Dec. 31.
Benson, William E., Wollaston, assignor of one-half to T. M. Prudden, Hingham, Mass. Container. 1,741,509; Dec. 31.
Bentley, Anson J., Niles, Ohio. Apparatus for use in the manufacture of ice. 1,742,122; Dec. 31.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing machines. 1,741,910; Dec. 31.
Berke, Raymond O., Denver, Colo. Display device. 1,742,164; Dec. 31.
Berkshire Knitting Mills. (See Ischinger, Alfred E., assignor.)
Berry, John F., Lewis, Iowa. Auxiliary sustaining and propelling means for airplanes. 1,742,123; Dec. 31.
Bersted, Martin C., San Diego, Calif. Automatically-controlled electric connection plug. 1,741,911; Dec. 31.
Bichroux, Max, Aachen, Germany. Manufacture of window glass. 1,741,912; Dec. 31.

Bidal, Paul, Paris, France. Telescopic socket wrench. 1,741,810; Dec. 31.
Blinn, Frederick W., Quincy, Mass., assignor to Virginia Smelting Company, Portland, Me. Stripping rags with sulphur dioxide. 1,741,496; Dec. 31.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Anchor. 1,742,162; Dec. 31.
Birmingham, Henry, deceased, Ashland, Mass.; W. J. Birmingham, administrator. Drop-forging hammer. 1,741,811; Dec. 31.
Birmingham, Wilfred J., administrator. (See Birmingham, Henry.)
Bishop, Edward B., Haverhill, Mass. Heel for boots and shoes. 1,741,754; Dec. 31.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Coupling for conduit outlet boxes. 1,741,358; Dec. 31.
Bissell Carpet Sweeper Company. (See Owen, Ira J., assignor.)
Bixby, Walter. (See Hathaway, E. F., and Bixby.)
Black and Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
Black & Decker Manufacturing Company, The. (See Stumpf, Walter, assignor.)
Blaisdell, Sidney B., Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Thread-controlling mechanism for braiding machines. 1,742,124; Dec. 31.
Blaisdell, Sidney B., Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Thread-controlling mechanism for braiding machines. 1,742,125; Dec. 31.
Blaisdell, Sidney B., Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Braiding machine. 1,742,126; Dec. 31.
Blake, Joseph E., Gardner, Mass. Sled. 1,742,127; Dec. 31.
Blankenship, Wayne J., assignor to M. S. Cohen, Los Angeles, Calif. Oil-well pump. 1,741,913; Dec. 31.
Blaw-Knox Company. (See Dyrsen, Waldemar, assignor.)
Bocchino, Ernest, Newark, N. J. Roasting-pan-split device. 1,741,400; Dec. 31.
Bock, Herman, et al. (See Nemeth, Steffen P., assignor.)
Bodendick, Henry W., assignor to Tip's Tool Company, Incorporated, Taylorville, Ill. Insulating safety tool for handling live wires, etc. 1,741,970; Dec. 31.
Bodendick, Henry W., assignor to Tip's Tool Company, Incorporated, Taylorville, Ill. High-tension-wire cutter. 1,741,971; Dec. 31.
Bodine, Clarence E., Sedalia, Mo. Locomotive boiler. 1,741,181; Dec. 31.
Bodine Electric Company. (See Thompson, Clifford F., assignor.)
Bohn Aluminum & Brass Corp. (See Skillman, Verne, assignor.)
Bohn, Olaf M., Mysen, Norway. Drinking fountain. 1,741,552; Dec. 31.
Bohnack, John A. (See Hauserman, E. F., Mowery, and Bohnack.)
Bolla, Pietro, Milan, Italy, assignor to General Electric Company, Winding coils. 1,741,220; Dec. 31.
Boltz, Fred S., Mansfield, Mass. Earth-drilling apparatus. 1,741,497; Dec. 31.
Roman, Sidney J. (See Bennett, H. M., and Roman.)
Bond, Charles W., Burr, W. Va. Mail-box-flag control. 1,742,128; Dec. 31.
Borden Company, The. (See Olsen, Olaf C., assignor.)
Borel, Paul, Marseille, France. Semiautomatic map-pointer for road vehicles. 1,741,676; Dec. 31.
Bortkiewicz, Louis, Racoon Station, Pa. Straightening die construction. 1,741,278; Dec. 31.
Boulding, George R., Hazen, Nev. Advertising device. 1,741,914; Dec. 31.
Bousman, Samuel L., Denver, Colo., assignor to The Dorr Company, New York, N. Y. Continuous settling apparatus. 1,741,498; Dec. 31.
Bowman, Manifold, Michael. (See Whitaker, A., and Bowman-Manifold.)
Bowman, William C., Hayward, Calif. Staple. 1,741,279; Dec. 31.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Tie back for curtains and drapes. 1,741,182; Dec. 31.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Boynton, John E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Working moldable matter. 1,741,812; Dec. 31.
Boynton, John E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for producing composite articles. 1,741,813; Dec. 31.
Boynton, John E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for extruding matter. 1,741,814; Dec. 31.
Boynton, John E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for treating moving matter. 1,741,815; Dec. 31.
Boynton, John E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for pumping material. 1,741,816; Dec. 31.
Boys, Porter & Co. (See McGee, Edgar I., assignor.)

Bradley, Josiah, Brooklyn, N. Y. Retort-operating apparatus. 1,742,023; Dec. 31.
Bradley, Thomas B., Du Bois, Pa. Bottle-opening device. 1,741,607; Dec. 31.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Power-actuated brake mechanism for automotive vehicles. 1,741,817; Dec. 31.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Power-actuated brake mechanism for automotive vehicles. 1,741,818; Dec. 31.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,741,819; Dec. 31.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,741,820; Dec. 31.
Bragg-Klesrath Corporation. (See Bragg, C. S., and Klesrath, assignors.)
Brain, George, Tiffin, assignor to American Dressler Tunnel Kins, Inc., Cleveland, Ohio. Combustion-chamber construction. 1,741,147; Dec. 31.
Brandau, Georg, Bremen, Germany. Mudguard for vehicles. 1,742,156; Dec. 31.
Brandes Laboratories, Inc. (See Brown, Ralph L., assignor.)
Brandes Laboratories, Inc. (See Staunton, Le Roy W., assignor.)
Brassack, William L., and H. E. Grau, Mount Lebanon Township, Allegheny County, Pa. Grit eliminator. 1,741,915; Dec. 31.
Brees, James L., Jr., assignor to Oil Devices Corporation, Chicago, Ill. Hydrocarbon burner. 1,741,553; Dec. 31.
Bremer, Harry A., Chicago, Ill., assignor to Bremer-Tully Manufacturing Company, Chicago, Ill. 1,741,221; Dec. 31.
Bremer-Tully Manufacturing Company. (See Bremer, Harry A., assignor.)
Brenkert, Joseph W., San Diego, Calif. Vehicle signaling direction apparatus. 1,741,821; Dec. 31.
Brennen, John B., Atlanta, Ga. Cotton-cleaner beater shaft. 1,742,129; Dec. 31.
Brewer, Robert W., A., Jenkintown, assignor to H. F. Pitcairn, Bryn Athyn, Pa. Valve adjusting means for internal-combustion engines. 1,741,677; Dec. 31.
Brewer, Robert W., A., Jenkintown, assignor to H. F. Pitcairn, Bryn Athyn, Pa. Valve-operating mechanism. 1,741,678; Dec. 31.
Brewer, William R., Duluth, Minn. Gas mixer. 1,741,280; Dec. 31.
Brewer-Titchener Corporation, The. (See Bates, Charles H., assignor.)
Brewton, Philip. (See Chin, Tom H., assignor.)
Bridgeport Hardware Manufacturing Corporation, The. (See Sullivan, Ralph R., assignor.)
Britten, Robert, assignor to John Crossley & Sons, Ltd., Halifax, England. Loom for weaving pile fabrics. 1,741,916; Dec. 31.
Brockett, Bluford W., Cleveland Heights, assignor to The Van Dorn Iron Works Co., Cleveland, Ohio. Speaking panel for jails. 1,741,917; Dec. 31.
Bronner, Frederick H., Portland, Oreg. Certificate holder. 1,741,608; Dec. 31.
Brooke, Frank W. (See Swindell, E. H., and Brooke.)
Brooks, Gus A., Mayslick, Ky. Antiglare apparatus. 1,741,609; Dec. 31.
Brooks, Gus A., Mayslick, Ky. Automobile tag. 1,741,610; Dec. 31.
Brown, Arthur J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Thrust bearing. 1,741,822; Dec. 31.
Brown Company. (See Ives, Charles Q., assignor.)
Brown Company. (See Richter, George A., assignor.)
Brown, George A., Minneapolis, Minn. Vehicle body. Des. 80,215; Dec. 31.
Brown, Ralph L., assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound reproducer. 1,741,499; Dec. 31.
Brown, Ray F., Lynn, Mass., assignor to General Electric Company, Fuse puller. 1,741,222; Dec. 31.
Brucker, Henry, Newark, N. J., assignor to American Aluminum Ware Co. Combined closure and pouring spout. 1,741,972; Dec. 31.
Bruckshaw, Herbert S., Bolton, England. Reinforcement for strong rooms, safes, and the like. 1,741,611; Dec. 31.
Brunh, Bruno, Bethlehem, Pa., assignor to G. Polysius, Dessau, Germany. Making fused cement. 1,741,973; Dec. 31.
Bryan, Harry F., Chicago, Ill., assignor to Bnsign Carburetor Company, Los Angeles, Calif. Carburetor. 1,741,401; Dec. 31.
Bryan, Sally, Denver, Colo. Container for imparting radium emanations to fluids. Des. 80,216; Dec. 31.
Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., and Stertzbach, assignors.)
Buckeye Steel Castings Company, The. (See Speck, W. C., and Barker, assignors.)
Buckeye Steel Castings Company, The. (See Speck, W. C., Barker, Whipple, and Dierker, assignors.)

Buchwald, Emilio, Buenos Aires, Argentina. Appliance for cutting or sawing carcasses of dead animals. 1,741,554; Dec. 31.

Budd Wheel Company. (See Hughes, James W., assignor.)

Budd Wheel Company. (See Hunt, J. Harold, assignor.)

Bulldog Electric Products Company. (See Frank, Harrison J. L., assignor.)

Burbank, Leonard, Baltimore, Md., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Replaceable receptacle closure. 1,741,918; Dec. 31.

Burbank, Leonard, Baltimore, Md., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Replaceable closure for receptacles. 1,741,919; Dec. 31.

Burch, George B., Blake, Nebr. Double-header pump jack. 1,742,055; Dec. 31.

Burden, Harry C., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Suction-roll shell filling. 1,741,974; Dec. 31.

Burg, John C., Brooklyn, N. Y. Wall-plate support for separable cable connectors. 1,741,823; Dec. 31.

Burgess, Joseph B., New York, assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y. Display toy aeroplane. 1,741,448; Dec. 31.

Burkett, Limited. (See Brock, Arthur G., assignor.)

Burham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch and closing mechanism therefor. 1,741,824; Dec. 31.

Burham, Harry S., Schenectady, N. Y. Ball joint. 1,741,975; Dec. 31.

Burton, Frank E., Mount Carmel, assignor to Winchester Repeating Arms Co., New Haven, Conn. Trigger mechanism for firearms. 1,741,281; Dec. 31.

Bushnell, Charles S. (See Howe, W. K., and Bushnell.)

Bushnell, Henri, St. Cloud, France. Radio direction finder, hertzian compass, and the like. 1,741,282; Dec. 31.

Buss, August, Detroit, Mich. Radiator relief valve. 1,741,612; Dec. 31.

Butcher, Charles A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short-circuit detector. 1,741,976; Dec. 31.

Butcher, Kearney, Ascot Vale, Victoria, Australia. Collapsible stretcher. 1,741,449; Dec. 31.

Butler, Thomas H., assignor of three-eighths to W. D. Skoop, three-eighths to G. A. Allen, and one-fourth to T. N. Lewis, Denver, Colo. Wing-window holder for locomotive cabs. 1,741,500; Dec. 31.

Butterworth, Harry W., Jr. (See Rowley, W. S., and Butterworth.)

Butterworth, H. W., & Sons Company. (See Rowley, W. S., and Butterworth, assignors.)

Callie Brothers Company, The. (See Smith, Theodore L., assignor.)

Caldwell, Joseph B. (See Scarborough, J. A., Caldwell, and Coursey.)

Canden, Andrew B., assignor of one-half to P. Neuman, Durant, Okla. Insect-destroying machine. 1,741,359; Dec. 31.

Camp, Percy R., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Brake mechanism for railway cars. 1,741,148; Dec. 31.

Campbell, Alexander A., West Springfield, Mass. Radiator valve. 1,741,402; Dec. 31.

Campbell, Charles S., and A. E. Hunt, New Haven, Conn., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Record card or like member for indexes or files. 1,741,283; Dec. 31.

Campbell, Leon W., assignor to The Murray Company, Dallas, Tex. Press-box-door compensator. 1,741,284; Dec. 31.

Capel, William H., Jr., Cincinnati, Ohio. Adjustable floating bushing. 1,741,183; Dec. 31.

Carlson, Arle C., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company and H. H. Rockwell as trustees. Coaster-wagon rear axle. 1,741,142; Dec. 31.

Carlson, Eric. (See Will, W. O., and Carlson.)

Carlson, John E., assignor to Atlanta Casket Company, Atlanta, Ga. Burial casket. 1,742,130; Dec. 31.

Caro Cloth Corporation. (See Chase, Charles H., assignor.)

Carpenter, Richard J., Oakland, Calif. Pick for musical instruments. 1,741,285; Dec. 31.

Carr, Edward G., Chicago, Ill. Earth-mold-making machine. 1,741,825; Dec. 31.

Carr, Fred S., Newton, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation. Nut and screw fastening. 1,742,131; Dec. 31.

Carrier Engineering Company Limited. (See Robertson, R. J. R., and Fowler, assignors.)

Carroll, Glen L. (See Lynch, G. B., Carroll, and Gumm.)

Carr, G. Harry, Buffalo, N. Y. Bending machine. 1,742,058; Dec. 31.

Carr, J. I. Company. (See Crawford, John F., assignor.)

Carr, Owen S., Walden, Colo. Cleaning and scouring device. 1,741,223; Dec. 31.

Catalytic Chemical Company. (See Ackerman, Albert H., assignor.)

Cattigiani, Francesco, Indianapolis, Pa. Check for railway cars. 1,741,613; Dec. 31.

Caton, Maurice L., Quebec, Canada, assignor to The Barrett Company. Roofing strip. 1,741,403; Dec. 31.

Central Alloy Steel Corporation. (See Trevorton, Stephen, assignor.)

Chamberlin, Ing., assignor of thirty per cent to W. Katz and A. Kurlansky, St. Louis, Mo. Attachment for hats or caps. 1,742,132; Dec. 31.

Chappell, Marvin L., Inglewood, and G. J. Ziser, Los Angeles, assignors, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Purifying petroleum distillates. 1,741,555; Dec. 31.

Chase, Charles H., Stoneham, Mass., assignor to Caro Cloth Corporation, Carolina, R. I. Needling machine. 1,742,133; Dec. 31.

Chase Machine Company. (See Chase, S., 4th, and Pfeiffer, assignors.)

Chase, Stephen, 4th, Chicago, and B. S. Pfeiffer, Winnetka, assignors to Chase Machine Company, Chicago, Ill. Rug-drying machine. 1,741,755; Dec. 31.

Chase, Theron P., Detroit, Mich., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion engine. Rel. 7,549; Dec. 31.

Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft. (See Magat, Israel, assignor.)

Chicago Railway Signal and Supply Company. (See McCarthy, Daniel J., assignor.)

Chin, Tom H., assignor of one-fourth to P. Brewton, Mobile, Ala. Tongue scraper. 1,741,143; Dec. 31.

Chocolat Tobler Holding Co. Aktiengesellschaft. (See Schiffer, Werner, assignor.)

Chrisfield, Howard E., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Shoe sole. Des. 80,217; Dec. 31.

Christian, Thomas, Chicago, Ill. Dispensing device. 1,742,157; Dec. 31.

Christy, William B., assignor to Horn Surgical Company, Philadelphia, Pa. Knit garment. 1,741,826; Dec. 31.

Chrysler Corporation. (See Henderson, Herbert V., assignor.)

Church, Frederick A., Venice, Calif. Laminated construction for roller-coaster tracks. 1,741,286; Dec. 31.

Cincinnati Grinders, Incorporated. (See Helm, Lewis R., assignor.)

Clapp, Albert L., Danvers, Mass. Oil and grease proof liner paper or board and making same. 1,741,556; Dec. 31.

Clark, Arthur L., Montclair, N. J. Game apparatus. 1,741,224; Dec. 31.

Clark, Eugene F., Damariscotta, Me., assignor to Marshall Field Mills Corporation, Philadelphia, Pa. Yarn-positioning device for looms for weaving tufted pile fabric. 1,742,021; Dec. 31.

Clark, Everett E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,741,287; Dec. 31.

Clark, Lee H., Rosemont, assignor to The Sharples Specialty Company, Philadelphia, Pa. Oil-purifying apparatus. 1,741,756; Dec. 31.

Cleavers Equipment Corporation, The. (See Fuqua, Clarence V., assignor.)

Cleveland Graphite Bronze Company, The. (See Palm, John V. O., assignor.)

Cleveland Trust Company as trustee. (See Jardine, Frank, assignor.)

Cleveland Worm and Gear Company, The. (See Acker, George H., assignor.)

Coe, James R., assignor to American Brass Company, Waterbury, Conn. Adjusting means for rolling-mill rolls. 1,741,405; Dec. 31.

Cogswell, Leander A., assignor to Lacene Manufacturing Company, Manchester, N. H. Gradling machine. 1,741,149; Dec. 31.

Cohen, M., Seaton. (See Blankenship, Wayne J., assignor.)

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Lawn sprinkler. 1,741,557; Dec. 31.

Colman, Howard D., Rockford, assignor to E. S. Nethercut, Evanston, Ill. Warper and method of warping yarn. 1,741,757; Dec. 31.

Colt's Patent Fire Arms Manufacturing Company. (See Pfeiffer, Christian, assignor.)

Colyn, John, Chebells, Wash. Bulb-planting device. 1,741,614; Dec. 31.

Comfoelastic Corporation. (See Mayer, Jerome, assignor.)

Computing-Tabulating-Recording Co. (See Peirce, John R., assignor.)

Condit Electrical Manufacturing Corporation. (See Burham, George A., assignor.)

Condit Electrical Manufacturing Corporation. (See Greene, Austin E., assignor.)

Congoleum-Nalru Incorporated. (See Velt, Walter, assignor.)

Conkle, William H., Phenix City, Ala. Feeler mechanism for magazine looms. 1,742,134; Dec. 31.

Connersville Blower Company, The. (See Houghton, Carl R., assignor.)

Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)

Consolidated Steel Strapping Company. (See Lau, Edwin F., assignor.)

Constantator Co., The. (See Spillane, James D., assignor.)

Container Corporation of America. (See Walter, Harrison B., assignor.)

Continental Can Company. (See Burbank, Leonard, assignor.)

Continental Scale Works. (See Weber, Mathias J., assignor.)

Cooke, John W., Calgate, Md. Escape device for submarines. 1,741,827; Dec. 31.

Coon, Chester C., and H. H. Minor, Fresno, Calif.; said Minor assignor to said Coon. Come-along-operating device. 1,741,288; Dec. 31.

Cooper, David A., Dayton, Ohio. Resilient sheet holder for railway cars. 1,741,558; Dec. 31.

Copeland Products, Inc. (See Little, Thomas J., Jr., assignor.)

Coppock, Fred D., Greenville, Ohio. Discharge-control-lining device for dump bodies. 1,742,058; Dec. 31.

Cornelius, Cornelius E., Stockholm, Sweden. Electric furnace. 1,741,977; Dec. 31.

Cornell, Chauncey A., Detroit, Mich. Turret machine for metal working. 1,742,135; Dec. 31.

Corwin, Charles P., Brownwood, Tex. Self-playing violin. 1,742,057; Dec. 31.

Coslow, Carl W. (See John, K. B., Coslow, and Schwindt.)

Coty, Alfred C., and T. E. Carthage, N. Y. Paper-bag machine. 1,742,174; Dec. 31.

Coty, Thomas E. (See Coty, Alfred C. and T. E.)

Coulson, Edwin, Chiswick, London, England. Meat-clamping means for slicing machines. 1,742,059; Dec. 31.

Coulson, Edwin, Chiswick, London, England. Feed mechanism for use with slicing machines. 1,742,060; Dec. 31.

Conlas, Wilbur J., assignor to Deere & Company, Moline, Ill. Making traction lugs. 1,741,450; Dec. 31.

Coulter, William J., Toronto, Ontario, Canada. Clothes drier. 1,741,289; Dec. 31.

Coursey, Frederick. (See Scarborough, J. A., Caldwell, and Coursey.)

Courtney, Delbert E., Golden, Colo. Sound-operated coin detector and eliminator. 1,741,978; Dec. 31.

Cowan, Edgar H., Marion, Ohio. Wear-compensating piston. 1,742,136; Dec. 31.

Coxey, Horace L., Massillon, Ohio. Hot top for ingot molds. 1,741,615; Dec. 31.

Cradley, Allen E., assignor to Logan Co., Inc., Louisville, Ky. Conveyor. 1,741,616; Dec. 31.

Craigton, Adam, Hamilton, Ontario, Canada. Internal-combustion engine. 1,741,404; Dec. 31.

Crane, Charles R., 2d, and R. H. Zinkil, assignors to Crane Co., Chicago, Ill. Sink. Des. 80,218; Dec. 31.

Crane Co. (See Crane, C. R., 2d, and Zinkil, assignors.)

Crawford, John F., assignor to J. I. Case Company, Racine, Wis. Lubricating system for differential vehicle housings. 1,741,501; Dec. 31.

Cribben & Sexton Company. (See Smith, Wilson A., assignor.)

Crichton, Leslie N., and S. L. Goldsborough, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electrical system. 1,742,025; Dec. 31.

Crompton & Knowles Loom Works. (See Clark, Everett E., assignor.)

Crompton & Knowles Loom Works. (See Frechett, George, assignor.)

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See King, William H., assignor.)

Crompton & Knowles Loom Works. (See Marsden, Fred, assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)

Cronwall, Magnus. (See Ellberg, J., and Cronwall.)

Cross, Walter M., Kansas City, Mo. Tube fitting. 1,742,175; Dec. 31.

Crossland, George, Wallingford, Vt., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Axminster setting frame. 1,741,828; Dec. 31.

Crossley, Alfred. (See Taylor, A. H., and Crossley.)

Crossley, John, & Sons Ltd. (See Britton, Robert, assignor.)

Crouse-Hinds Company. (See Rissell, Carl H., assignor.)

Crowell, William D., St. Louis, Mo. Ventilating means for vehicle bodies. 1,741,502; Dec. 31.

Crown Cork & Seal Company. (See Waltkus, Vincent, assignor.)

Cucolo, Gerardo G., Waterbury, Conn. Stake for holding concrete forms. 1,741,829; Dec. 31.

Cudahy Brothers Company. (See Hoy, Frank H., assignor.)

Cutren, Vananches H., Wilmington, Del. Core-molding machine. 1,741,503; Dec. 31.

Curry Handpiece Protector Company, The. (See Curry, Ward E., assignor.)

Curry, Ward E., Bradentown, assignor to The Curry Handpiece Protector Company, Sarasota, Fla. Sanitary protector for handpieces and the like. 1,742,061; Dec. 31.

Curtis Gas Engine Corporation. (See Newton, Earle R., assignor.)

Curtis Manufacturing Company. (See Ackerman, Frank, assignor.)

Curtis, Thomas S., Huntington Park, assignor to The Vitrefax Company, Los Angeles, Calif. Refractory composition and making. 1,741,920; Dec. 31.

Cutler-Hammer Inc. (See Evans, Clarence T., assignor.)

Cutler-Hammer Inc. (See Meier, George J., assignor.)

Dagel, Thomas E., Edgeley, N. Dak. Combination snow-plow and sweeper. 1,741,360; Dec. 31.

Dahlstrom Metallic Door Company. (See Dawson, Axel G., assignor.)

Dahlstrom Metallic Door Company, The. (See Jacobson, Ludvig G., assignor.)

Dalton, Hubert, Stamford, Conn. Curtain holder. 1,741,504; Dec. 31.

Dalton, Hubert, Stamford, Conn. Curtain holder. 1,741,505; Dec. 31.

Danckwardt, Harriett, administratrix. (See Danckwardt, Paul.)

Danckwardt, Paul, deceased, La Junta, Colo. H. Danckwardt, administratrix. Obtaining hydrocarbons of low boiling points from hydrocarbons of high boiling points. 1,742,165; Dec. 31.

Davenport, Harry J., Paterson, N. J. Deodorizing and dehumidifying composition and making same. 1,741,921; Dec. 31.

Davey, George W., Long Island City, N. Y. Furnace wall. 1,741,679; Dec. 31.

Davey, George W., Long Island City, N. Y. Furnace wall. 1,741,680; Dec. 31.

Davidson Manufacturing Company. (See Davidson, William W., assignor.)

Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Company, Madison, Wis. Feeding mechanism. 1,741,451; Dec. 31.

Davis & Geck, Inc. (See Watson, Cassius H., assignor.)

Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,742,026; Dec. 31.

Davis, Wallace E., Ranger, Tex. Goal-line staff. 1,741,452; Dec. 31.

Davis, Walter N., Staten Island, N. Y. Apparatus for raising sunken vessels. 1,741,681; Dec. 31.

Dawson, Axel G., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Variable panel and molding retainer. 1,741,979; Dec. 31.

Dawson, George H., Cambridge, Mass., assignor by mesne assignments, to Remington Rand Inc., New York, N. Y. Card carrier. 1,741,150; Dec. 31.

Dawson, Howard H., assignor to The Ohio Chemical & Manufacturing Company, Cleveland, Ohio. Purification of ethylene. 1,741,559; Dec. 31.

Day, William B., Lexington, assignor of one-half to K. W. Renick, Winchester, Ky. Electric defroster for refrigerating coils. 1,742,062; Dec. 31.

Dayton Malleable Iron Company, The. (See Runyan, William B., assignor.)

Dean, James H. (See Baker, G. W., and Dean.)

Decker, Alonzo G., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson Heights, Md. Switch. 1,741,406; Dec. 31.

Deere & Company. (See Coultas, Wilbur J., assignor.)

Deere & Company. (See White, Charles E., assignor.)

De Forest, Charles, Yonkers, assignor to American Provident Corporation, New York, N. Y. Window-display device. 1,741,980; Dec. 31.

De Grasse, Daniel J., New York, N. Y. Collapsible gocart. 1,742,137; Dec. 31.

De Haven, James R., Champaign, Ill. Duplex door. 1,742,027; Dec. 31.

Denison, George W., Bay Village, Ohio. Method of and apparatus for distributing pulverized fuel. 1,741,184; Dec. 31.

Desmond, Matthew F., Burlingame, Calif. Sandwich-bread slice-cutter mold. 1,741,682; Dec. 31.

Deutsche Gold- und Silber-Scheideanstalt. (See Fannwitz, Wilhelm, assignor.)

Deutschmann, Tobe, Corporation. (See Fleming, Wilfred K., assignor.)

Dewey, Bradley, Cambridge, Mass., and T. L. Taliaferro, Chicago, Ill. Drying apparatus. 1,741,981; Dec. 31.

De Witt, William J., assignor to The Shoe Form Co., Inc., Auburn, N. Y. Making shoe forms. 1,741,830; Dec. 31.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Expandable shoe form. 1,741,831; Dec. 31.

Diaz, Angelo, New York, N. Y. Hair clip. 1,741,407; Dec. 31.

Diamond Candle Co. (See Purcell, Mark, assignor.)

Dickey, Laurence P., Mountain Lakes, N. J., assignor to August Goertz & Co., Inc. Producing decorative surfaces. 1,741,683; Dec. 31.

Diekmann, Heinrich. (See Beck, C., and Diekmann.)

Dierker, Arthur H. (See Speck, W. C., Barker, Whipple, and Dierker.)

Dieterich, Conrad A., Mount Vernon, N. Y. Bumper for motor vehicles. 1,741,506; Dec. 31.

Dieterich, Walter. (See Matthies, O., Dieterich, and Wendt.)

Dietz, Valentin, Frankfurt-on-the-Main, Germany, assignor to The American Multigraph Company, Cleveland, Ohio. Dry offset-printing process. 1,741,758; Dec. 31.

Digson, Charles, St. Mande, France. Hot-water heater and boiler. 1,742,063; Dec. 31.

Dinstuhl, Neely B., Memphis, Tenn. Attaching sheets to mattresses. 1,742,064; Dec. 31.

Dixon, Harry, Des Moines, assignor to Rolscreen Company, Polka, Iowa. Rolling-screen installation. 1,741,922; Dec. 31.

Doane, Le Roy C., and A. B. Megraw, assignors to The Miller Company, Meriden, Conn. Chandelier. 1,741,408; Dec. 31.

Doulinson, William J., Somerville, Mass. Photo-engraver's cabinet. 1,741,684; Dec. 31.
 Doumal, Jan, Dobris, Czechoslovakia. Screw clamp. 1,741,923; Dec. 31.
 Doumascolo, Salvatore, Brooklyn, N. Y. Aeroplane. 1,741,617; Dec. 31.
 Donnelly, R. R., & Sons Co. (See Alger, Harley C., assignor.)
 Donnelly, Joseph F., South Bellingham, Wash. Lifting jack. 1,741,144; Dec. 31.
 Donovan, John F. (See Stiles, W. H., Wagener, and Donovan.)
 Dopyera, John, assignor to G. D. Beauchamp, T. E. Kleinmeyer, and P. Barth, Los Angeles, Calif. Stringed musical instrument. 1,741,433; Dec. 31.
 D'Orazio, Alfred, Yonkers, N. Y. Drill. 1,741,507; Dec. 31.
 Dorr Company, The. (See Rousman, Samuel I., assignor.)
 Doyle, Frances G., New York, N. Y. Bedclothes support and arch protector. 1,741,361; Dec. 31.
 Draper Corporation. (See Tebo, William A., assignor.)
 Drannon, William M., Anaheim, Calif. Sander and buffer. 1,741,145; Dec. 31.
 Dudley, Jesse C., Wilkesburg, Pa. Water-level indicator and automatic scoop control for locomotive tenders. 1,741,618; Dec. 31.
 Dunham, George W., assignor to The Whirlidry Corporation, Utica, N. Y. Multiple-compartment laundry machine. 1,741,685; Dec. 31.
 Dunham, George W., Utica, N. Y., assignor to The Whirlidry Corporation, New Haven, Conn. Multiple-compartment laundry machine. 1,741,686; Dec. 31.
 Dunlop Tire & Rubber Goods Co., The. (See Ansell, George A., assignor.)
 Dunn, John S., Philadelphia, Pa. Relay switch. 1,741,409; Dec. 31.
 Dupire, André P. H., Thiais, France. Apparatus for electrolyzing chiefly alkaline chlorides. 1,741,290; Dec. 31.
 Durkin, William H. (See Kemper, A. H. and Durkin.)
 Dysson, Waldemar, Sharpsburg, assignor to Blaw-Knox Company, Pittsburgh, Pa. Heat exchanger. 1,741,225; Dec. 31.
 Earshaw, Joseph C., assignor to Moss Rose Manufacturing Company, Philadelphia, Pa. Textile fabric. Des. 8,219; Dec. 31.
 Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
 Edelman, Benjamin, New York, N. Y. Garment protector. 1,741,410; Dec. 31.
 Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Acoustic reproducer horn suitable for use with radio sets. 1,741,508; Dec. 31.
 Edmann, Robert, New York, N. Y. Signal device. 1,741,587; Dec. 31.
 Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Method of and machine for relieving cutters. 1,741,759; Dec. 31.
 Edison Electric Appliance Company. (See Kelly, William D., assignor.)
 Edison, Theodore M., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electromechanical translating device. 1,741,226; Dec. 31.
 Edison, Thomas A., Incorporated. (See Edison, Theodore M., assignor.)
 Edmanson-Bock Catering Company. (See Nemeth, Stefan P., assignor.)
 Edwards, O. M., Company, The. (See Axe, Roy T., assignor.)
 Edwards, William H. (See Niles, E. W. and Edwards.)
 Efectite Corporation. (See von Nessen, Walter, assignor.)
 Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Converting petroleum. 1,741,509; Dec. 31.
 Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,741,510; Dec. 31.
 Ehmman, Leo, Vienna, Austria. Water replenisher and level maintainer. 1,741,982; Dec. 31.
 Elser, George H. J., Pittsburgh, Pa. Ladle discharger. 1,742,065; Dec. 31.
 Elliot, Samuel, Manchester, Mass. Clutch. 1,741,688; Dec. 31.
 Ellberg, John, New York, and M. Cronwall, Brooklyn, N. Y. Valve, cock and the like. 1,741,983; Dec. 31.
 Elliott, Albert B. (See Becker, E. D., and Elliott.)
 Elliott, Nelson, New Westminster, British Columbia, Canada. Cooling means for engine pistons. 1,742,028; Dec. 31.
 Elmendorf, Armin, Chicago, Ill. Insulating building material and making the same. 1,741,760; Dec. 31.
 Ely, Alonzo B., Groton, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,741,689; Dec. 31.
 Ely, Alonzo B., Groton, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,741,690; Dec. 31.
 Em-Dee Supply Company, The. (See Gilbert, Levi L., assignor.)
 Endicott Johnson Corporation. (See Chrisfield, Howard E., assignor.)
 Engel, Albert W., Chicago, Ill. Advertising display board. 1,741,560; Dec. 31.
 Engel, Maurice J., New York, N. Y. Blade holder. 1,741,924; Dec. 31.
 Engels, William H., Rahway, N. J., assignor to Merck & Co., New York, N. Y. Quinine compound and making the same. 1,741,761; Dec. 31.

Engineering Products Corporation, The. (See Lufkin, John L., assignor.)
 Enock, Arthur G., Hailsham, England, assignor to Burtectas Limited, London, England. Apparatus for heating, cooling, or otherwise treating liquids in bottles. 1,741,925; Dec. 31.
 Ensign Carburetor Company. (See Bryan, Harry F., assignor.)
 Equipment Specialties Co. (See Hull, George A., assignor.)
 Erismann, John L., Oak Park, assignor to Link-Belt Company, Chicago, Ill. Speed-reduction unit. 1,741,561; Dec. 31.
 Evans, Clarence T., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor controller. 1,741,762; Dec. 31.
 Evans, Otis H. (See Adams, Sam, assignor.)
 Evensen, Anton, Fox Lake, Ill. Vault construction. 1,741,511; Dec. 31.
 Eves, Joseph R., assignor to Falls Electric Furnace Corporation, Buffalo, N. Y. Electric furnace. 1,741,411; Dec. 31.
 Fabricoid Incorporated. (See Gardner, Frederick P., assignor.)
 Faguy, Joseph A., Montreal, Quebec, Canada. Windshield and the like. 1,741,562; Dec. 31.
 Fallot, Alfred, Plauen i. Vogt, Germany, by H. Priester, executor, Berlin, Germany. Raising, changing, and driving the paper-web rolls in printing machines, and more particularly in rotary printing machines. 1,742,029; Dec. 31.
 Falls Electric Furnace Corporation. (See Eves, Joseph R., assignor.)
 Farber, Clayton W., Bowmanstown, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc sulphide. 1,742,030; Dec. 31.
 Faries Manufacturing Company. (See Miller, George L., assignor.)
 Farrell, Sidney T., Newtonville, Mass. Game. 1,741,832; Dec. 31.
 Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Temperature-responsive device. 1,742,138; Dec. 31.
 Fay, Alpheus, Louisville, Ky. Apparatus for operating upon composite substances. 1,741,763; Dec. 31.
 Federwitz, Theodore A., assignor to Stokes and Smith Company, Philadelphia, Pa. Sheet feeder and conveyor. 1,741,412; Dec. 31.
 Feldman, Isaac, Philadelphia, Pa. Combination oil receiver and guard for sewing machines. 1,741,454; Dec. 31.
 Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Meyer, Ullrich, assignor.)
 Fenton, Almon N., Collingswood, N. J., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Power supply for thermionic devices. 1,741,691; Dec. 31.
 Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Self-locking slide loop. 1,741,619; Dec. 31.
 Fereck, John, From W. Va. Combination hose and supporter. 1,741,512; Dec. 31.
 Ferguson, William I., Chicago, Ill. Water-heating apparatus. 1,741,455; Dec. 31.
 Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Speed governor for hydraulic drives. 1,741,833; Dec. 31.
 Fidelity Machine Company. (See Blaisdell, Sidney B., assignor.)
 Filler & Stowell Co., The. (See Pelton, George M., assignor.)
 Finch, Stanley W., Washington, D. C. Rail-tying device. 1,741,151; Dec. 31.
 Finizio, Thomas D., Peckskill, N. Y. Bumper for motor vehicles. 1,741,513; Dec. 31.
 Firestone Footwear Company. (See Baker, Charles H., assignor.)
 Firestone Tire and Rubber Company, The. (See Stevens, Horace D., assignor.)
 Fischer, Franz, Mulheim-on-the-Ruhr, Germany. Purifying gases from organically combined sulphur. 1,741,834; Dec. 31.
 Fisher, J. M., Company. (See Barrowman, Arthur H., assignor.)
 Fixler, Maurice, Chicago, Ill. Hemstitched appliqué work and making the same. 1,741,620; Dec. 31.
 Fleming, Wilfred K., Cambridge, Mass., assignor, by mesne assignments, to Toile Deutschmann Corporation. Connecting plug. 1,741,185; Dec. 31.
 Fletcher, George H., Sheffield, England, assignor to Westinghouse Electric & Manufacturing Company. Flexible gear wheel. 1,741,984; Dec. 31.
 Flintkote Company, The. (See Harris, William A., assignor.)
 Flintkote Company, The. (See Richardson, John M., assignor.)
 Flis, Stanislaw, and M. Kasprzak, Gowanda, N. Y. Envelope. 1,741,456; Dec. 31.
 Foley, Frederic E. B. (See Sederholm, J. E., and Foley.)
 Follansbee Brothers Company. (See Banfield, James W., assignor.)
 Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Sorting machine. 1,741,985; Dec. 31.

Foster Wheeler Corporation. (See Winslow, William H., assignor.)
 Fowler, Alexander. (See Robertson, K. J. R., and Fowler.)
 Fox, Harry, Lowell, Mass. Upholstery edge. 1,741,413; Dec. 31.
 Fox, Martin, assignor to The Seng Company, Chicago, Ill. Connector for bed sections. 1,742,139; Dec. 31.
 Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Compound switch. 1,741,227; Dec. 31.
 Franky, George. (See Thoenes, E. J., and Franky.)
 Frantz, George A., et al., trustees. (See Baker, W. E., and Aland, assignors.)
 Frazier, Sherman W. (See Wilson, William S., assignor.)
 Frechett, George, Lowell, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,741,186; Dec. 31.
 French, Norman R., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Compound loading system. 1,741,926; Dec. 31.
 Fried, Krupp Aktiengesellschaft. (See Jacobs, Werner, assignor.)
 Friedrich, Ernst, and W. Meyer, assignors to Patent-Freihand-Gesellschaft fuer Elektrische Glueblampen m. b. H., Berlin, Germany. Current rectifier. 1,741,291; Dec. 31.
 Friedrichs, Wilhelm, Berlin, Germany. Cash-franking machine. 1,741,927; Dec. 31.
 Froehle, Charles J., Dayton, Ohio. Potato slicer or the like. 1,741,764; Dec. 31.
 Fulenwider, Harry. (See Fulenwider, James and H., Robinson, and Norris.)
 Fulenwider, Jesse, H. Fulenwider, E. W. Robinson, and H. S. Norris, Savannah, Ga., assignors to said Jesse Fulenwider and said Harry Fulenwider. Lock-roofing forming machine. 1,742,031; Dec. 31.
 Fuqua, Clarence V., assignor to The Cleaners Equipment Corporation, Kansas City, Mo. Clarifier. 1,741,187; Dec. 31.
 Gafney, James, New York, N. Y. Package rack for group mail boxes. 1,741,328; Dec. 31.
 Gaudner, Otto, New York, N. Y. Damping device for cornets. 1,741,835; Dec. 31.
 Garaja, Joseph, Pittsburgh, Pa. Paper weight. 1,741,692; Dec. 31.
 Gardner, Alfred C., Cardiff, Wales. Food container. 1,742,066; Dec. 31.
 Gardner, Frederick P., assignor to Fabricoid Incorporated, New York, N. Y. Fiber-cleaning machine. 1,741,765; Dec. 31.
 Garlick, William A., San Francisco, Calif. Card-display machine. 1,741,228; Dec. 31.
 Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,742,166; Dec. 31.
 Gebert, Albert E. (See Richardson, M. H., and Gebert.)
 General Chemical Company. (See Benner, R. C., and Thompson, assignors.)
 General Electric Company. (See Baker, Walter R. G., assignor.)
 General Electric Company. (See Bolis, Pietro, assignor.)
 General Electric Company. (See Brown, Ray E., assignor.)
 General Electric Company. (See Faus, Harold T., assignor.)
 General Electric Company. (See Hall, Chester I., assignor.)
 General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
 General Electric Company. (See Hendricks, Allan B., Jr., assignor.)
 General Electric Company. (See O'Neill, James A., assignor.)
 General Electric Company. (See Paluoff, Konstantin K., assignor.)
 General Electric Company. (See Peek, Frank W., Jr., assignor.)
 General Electric Company. (See Powell, Samuel T., assignor.)
 General Electric Company. (See Sanborn, Arthur R., assignor.)
 General Electric Company. (See Seeley, Harold T., assignor.)
 General Electric Company. (See Stiles, W. H., Wagener, and Donovan, assignors.)
 General Electric Company. (See Taylor, George F., assignor.)
 General Electric Company. (See Weber, Louis J., assignor.)
 General Electric Company. (See Welsch, Wilhelm, assignor.)
 General Mills, Inc. (See Ulstrom, Alger R., assignor.)
 General Motors Research Corporation. (See Chase, Theron P., assignor.)
 General Railway Signal Company. (See Howe, Winthrop K., assignor.)
 General Railway Signal Company. (See Howe, W. K., and Bushnell, assignors.)
 General Railway Signal Company. (See Wenholz, Walter W., assignor.)
 General Spring Bumper Corporation. (See Meyerhuber, William, assignor.)
 General Weatherstrip Company. (See Lane, Alfred M., assignor.)

Gibbs, Leon M., Birmingham, Ala., assignor to Two-Car Transportation Company. Method and apparatus for conducting and making records and reports of transportation of railroad cars. 1,741,229; Dec. 31.
 Gilbert, Levi L., Muskegon, Mich., assignor to The Em-Dee Supply Company. Surgical operating cushion. 1,741,836; Dec. 31.
 Gilbert, Levi L., Portland, Oreg., assignor to The Em-Dee Supply Company. Maternity sheet. 1,741,837; Dec. 31.
 Gilbert, Levi L., Muskegon, Mich., assignor to The Em-Dee Supply Company. Maternity pad. 1,741,838; Dec. 31.
 Gillen, George A., Jersey City, N. J., assignor to Gillen, Kimmy, Baker Syndicate, Inc., New York, N. Y. Condenser. 1,741,152; Dec. 31.
 Gillen, George A., New York, N. Y., assignor to Great Western Fuse Co. Inc. Electrical connector. 1,742,160; Dec. 31.
 Gillen, George A., New York, N. Y., assignor to Great Western Fuse Co. Inc. Electrical connector. 1,742,161; Dec. 31.
 Gillen, Kimmy, Baker Syndicate, Inc. (See Gillen, George A., assignor.)
 Gillespie, Loren L., Hopkins, Mo. Egg-handling apparatus. 1,741,929; Dec. 31.
 Gillette Rubber Company. (See Hutchens, Ralph W., assignor.)
 Gillette Rubber Company. (See Krause, Arnold R., assignor.)
 Gillette Rubber Co. (See Krause, A. R., and Hirsch, assignors.)
 Gillinder Brothers, Inc. (See Gillinder, Edwin B., assignor.)
 Gillinder, Edwin B., assignor to Gillinder Brothers, Inc., Port Jervis, N. Y. Reflector bowl for electric lamps. 1,741,693; Dec. 31.
 Gillings, Charles, and W. O. Passmore, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,741,514; Dec. 31.
 Gilmet, Thomas, Piercefield, N. Y. Logging appliance. 1,741,292; Dec. 31.
 Girard, Edward L. and F. E. Washingtonville, Ohio. Can opener. 1,742,140; Dec. 31.
 Girard, Fred E. (See Girard, Edward L. and F. E.)
 Glacier Corporation, The. (See Scarlett, George B., assignor.)
 Glass, Jacob, New York, N. Y. Surgical appliance. 1,741,457; Dec. 31.
 Glenn, Ralph W., Piedmont, Calif. Autographic manifold register. 1,741,362; Dec. 31.
 Gnagl, Lauren C., Lima, Ohio. Radiator. 1,741,930; Dec. 31.
 Gockerell, Fritz, Munich, assignor of one-half to G. M. Wolff, Rodewisch, Germany. High-speed internal-combustion engine with self-ignition. 1,741,766; Dec. 31.
 Godfrey, Frank H., St. Paul, Minn. Connecting rod. 1,741,621; Dec. 31.
 Goertz, August, & Co. (See Dickey, Laurence P., assignor.)
 Goldberg, Samuel, assignor to Universal Fixture Corporation, New York, N. Y. Metal shelving. 1,741,293; Dec. 31.
 Goldsborough, Shirley L. (See Crichton, L. N., and Goldsborough.)
 Gombaf, Joseph, Detroit, Mich. Davenport. 1,741,153; Dec. 31.
 Gompf, Gustav R., Berlin, Germany. Manifold sales book. 1,742,067; Dec. 31.
 Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
 Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
 Goodman Manufacturing Company. (See Sloane, William W., assignor.)
 Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
 Goodwin, Bruce S. (See Silder, J. A., and Goodwin.)
 Goodwin, George S., and W. J. Tollerton, deceased, by C. H. Tollerton, executrix, Chicago, Ill. Car frame. 1,741,188; Dec. 31.
 Goodwin, William M., Central Square, N. Y. Poppet-valve action for internal-combustion engines. 1,741,230; Dec. 31.
 Gordon, Louis. (See Sundock, Philip, assignor.)
 Gottfried Baking Co. (See Gottfried, Charles, assignor.)
 Gottfried, Charles, assignor to Gottfried Baking Co., Inc., New York, N. Y. Roll-making machine. 1,741,694; Dec. 31.
 Gould Coupler Company. (See Sauvage, William H., assignor.)
 Graber, Jonathan P., Bloomfield, Mont. Machine drive. 1,741,695; Dec. 31.
 Graf, Albert J., Westfield, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 1,741,414; Dec. 31.
 Grafuhl, Leon B., and R. E. Peterson, Los Angeles, Calif., assignors, by mesne assignments, to American Automatic Sanitation Company, Wilmington, Del. Sterilizer for toilet seats and the like. 1,741,622; Dec. 31.
 Graham, Frank M., Ottumwa, Iowa. Bottle cooler and dispenser. 1,741,563; Dec. 31.
 Grandjean, Georges, Les Forgets, Isle Adam, France, assignor to Isothermos Corporation of America, New York, N. Y. Journal box. 1,741,931; Dec. 31.
 Grasset, Paul, Versailles, France. Maritime ram with barometric chamber. 1,742,068; Dec. 31.

Gray, Herman E. (See Brasack, W. L., and Gray.)
 Gray, Edwin T., assignor to W. H. S. Lloyd Co., New York, N. Y. Wall panel. Des. 80,220; Dec. 31.
 Gray, Edwin T., assignor to W. H. S. Lloyd Co., New York, N. Y. Wall panel. Des. 80,221; Dec. 31.
 Gray, Edwin T., assignor to W. H. S. Lloyd Co., New York, N. Y. Wall panel. Des. 80,222; Dec. 31.
 Graydon Heat Control, Inc. (See Beler, Adolf, assignor.)
 Grossjean, James E., Lima, Ohio. Shoe sole. Des. 80,223; Dec. 31.
 Great Western Fuse Co. Inc. (See Gillen, George A., assignor.)
 Green, Austin E., Medford, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Venting electric switch. 1,741,839; Dec. 31.
 Green, Charles W., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier-current signaling system. 1,741,767; Dec. 31.
 Green, Estill L., East Orange, N. J., assignor to American Telephone and Telegraph Company. Piezo-electric interference eliminator. 1,741,363; Dec. 31.
 Greenhalgh, George H., Newark, N. J., and R. P. F. Ladd, New York, N. Y., assignors to Motors Improvement, Inc. Purifier for contaminated liquids. 1,741,686; Dec. 31.
 Greenwald, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Brine tank. 1,741,458; Dec. 31.
 Greenwald, Roy C., and G. E. Thimmes, Mechanicsville, Iowa; said Greenwald assignor to said Thimmes. Sample holder. 1,742,069; Dec. 31.
 Greenson, Siegfried W., Crookston, Nebr. Hammer. 1,742,032; Dec. 31.
 Gregory, Thirlow G. (See Wilson, Steven, assignor.)
 Griffith, Palmer W. (See Barsky, G., and Griffith.)
 Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical transmitting apparatus. 1,741,231; Dec. 31.
 Gross, Arthur R., assignor, by mesne assignments, to Trussell Steel Doors, Inc., St. Paul, Minn. Hollow sheet-metal unit and producing the same. 1,741,932; Dec. 31.
 Groves, Thomas S., Leeburg, Pa. Roll polisher. 1,742,070; Dec. 31.
 Gummi, Abbie. (See Lynch, G. B., Carroll, and Gummi.)
 Gunnison, John H., Madison, Wis. Grader and scarifier. 1,741,933; Dec. 31.
 Guyon, Yves, and R. H. C. Marty, Paris, France. Wire-making machine. 1,741,623; Dec. 31.
 Haas, Max, Buchsach, near Frankfurt-on-the-Main, Germany. Light advertising plant. 1,742,071; Dec. 31.
 Haber, Albert J., Ann Arbor, Mich. Dispensing cabinet for tongue depressors. 1,741,295; Dec. 31.
 Hagen, Russell W., Chicago, Ill., assignor to J. A. Meyer, St. Louis, Mo., Dnm. Re-17,546; Dec. 31.
 Hahnley, Susan J., Brooklyn, N. Y. Package or container for liquids. 1,741,154; Dec. 31.
 Hall, Addye Y., New York, N. Y. Piano-instruction device. 1,741,768; Dec. 31.
 Hall, Addye Y., New York, N. Y. Piano-instruction device. 1,741,769; Dec. 31.
 Hall, Chester L., Fort Wayne, Ind., assignor to General Electric Company. Demand meter and recorder. 1,742,072; Dec. 31.
 Hall, Marlon M., Fort Nelson, Ontario, Canada. Necktie. 1,741,232; Dec. 31.
 Hall, Richard E., Chean, N. Y., assignor, by mesne assignments, to The Arvey Manufacturing Co., Wilmington, Del. Felted fibrous container. 1,742,073; Dec. 31.
 Halliwell, Howard T., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Metallic stool. 1,742,033; Dec. 31.
 Halpin, Martin, Brooklyn, N. Y. Shingle. 1,741,515; Dec. 31.
 Halser, Charles W., Evansville, Ind. Bottle-cap lifter. 1,741,204; Dec. 31.
 Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Signaling, indicating, stopping, and starting device. 1,741,564; Dec. 31.
 Halverson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lamp globe. Des. 80,225; Dec. 31.
 Hampton, Charles G., New York, N. Y. Machine for producing figured paper. 1,741,697; Dec. 31.
 Hampton, Charles G., New York, N. Y. Soft rag printing roller. 1,741,698; Dec. 31.
 Handis, Joseph. (See Wilson, William, assignor.)
 Hanington, Charles A., Freeport, N. Y. Decorating flexible material. 1,741,770; Dec. 31.
 Hansen, Fred A., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Conveyor. 1,741,516; Dec. 31.
 Hansen, Fred A., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Conveyor. 1,741,624; Dec. 31.
 Hansen, Lorrin L., Wasta, S. Dak., assignor of one-half to C. H. Loeck, Rapid City, S. Dak. Dirigible airship. 1,741,699; Dec. 31.
 Harden, Walter, assignor of one-third to J. F. Holland and one-third to W. F. Holland, Cincinnati, Ohio. Sound-wave transmitting and amplifying device. 1,741,934; Dec. 31.
 Hare, Franklin C., assignor to G. A. Woolsey, Rockford, Ill. Brooder heater. 1,741,565; Dec. 31.
 Harmon, Arthur J. and J. W., Chicago, Ill. Pipe bender. 1,741,840; Dec. 31.

Harmon, Edwin L. (See Avery, H. A., Petermann, and Harmon.)
 Harmon, James W. (See Harmon, Arthur J. and J. W.)
 Harris, Charles, Chicago, Ill. Cigar lighter or similar article. Des. 80,224; Dec. 31.
 Harris, Joseph, Wheaton, Ill. Ventilating screen. 1,741,986; Dec. 31.
 Harris, Oren D. (See Pelffer, W. D., and Harris.)
 Harris, Percival, New York, N. Y. Artificial eyelashes for dolls. 1,741,415; Dec. 31.
 Harris, William A., Brighton, assignor to The Flintkote Company, Boston, Mass. Self-aligning strip shingle. 1,741,566; Dec. 31.
 Hart, Alfred V., Westfield, N. J., and J. T. Hart, Rockville Center, N. Y. Method and apparatus for manufacturing brushes. 1,741,700; Dec. 31.
 Hart, Joseph T. (See Hart, Alfred V. and J. T.)
 Hartmann, Otto. (See Schmidt, W., and Hartmann.)
 Hartzell Industries, Inc. (See Reymiller, John L., assignor.)
 Harvey, Harry E., assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Pipe bender. 1,741,935; Dec. 31.
 Harvis, George, Detroit, Mich. Electric heating device. 1,741,625; Dec. 31.
 Harwie, Carl G., Wilkesburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Automatic train recorder. 1,741,936; Dec. 31.
 Haseltine, Stacey B., assignor to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism. 1,741,627; Dec. 31.
 Hatch, Charles T., assignor to Union Steel Products Company, Abilene, Mich. Coating machine. 1,741,155; Dec. 31.
 Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Boston, Mass. Axminster loom. 1,742,167; Dec. 31.
 Hauserman, E. F., Company, The. (See Hauserman, E. F., Mowery, and Bohnsack, assignors.)
 Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, East Cleveland, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Wall-support structure. Re-17,547; Dec. 31.
 Hayakawa, Yachi, Chicago, Ill. Ventilator. 1,742,034; Dec. 31.
 Hays Manufacturing Co. (See Schneider, William, assignor.)
 Healey, Frederick H., Northfield, near Birmingham, England. Sand back rest. 1,741,156; Dec. 31.
 Heake, James M., assignor to Heake & Son, Camden, N. J. Shoulder strap for liner. 1,741,628; Dec. 31.
 Heake & Son. (See Heake, James M., assignor.)
 Heaton, Herman C., Chicago, Ill. Method and apparatus for heat recovery. 1,741,567; Dec. 31.
 Hebig, Henry C., Roselle Park, N. J., assignor of fifty-five per cent to N. Littell, New Canaan, Conn. Footwear. 1,742,170; Dec. 31.
 Hecht, Heinrich, and W. Rudolph, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Diaphragm for acoustical apparatus. 1,741,841; Dec. 31.
 Heidebreder, Fred, Quincy, Ill. Airplane propelling mechanism. 1,741,617; Dec. 31.
 Heidebrink, Jay A., Minneapolis, Minn. Filtering attachment for anesthetizing machines. 1,741,233; Dec. 31.
 Helm, Lewis R., Danbury, Conn., assignor, by mesne assignments, to Cincinnati Grinders, Incorporated, Cincinnati, Ohio. Grinding. 1,741,236; Dec. 31.
 Hellman, Marco H., Los Angeles, Calif. Shipping and display case for saddles. 1,741,771; Dec. 31.
 Helzel, Joseph W., Warren, Ohio. Road screed. 1,741,459; Dec. 31.
 Hein, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Scale. 1,741,416; Dec. 31.
 Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Hood. Des. 80,226; Dec. 31.
 Hendricks, Allan B., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric switch. 1,741,296; Dec. 31.
 Hendricks, Elfonso H., Lubbock, Tex. Motor. 1,741,460; Dec. 31.
 Hennrich, Frank, Chicago, Ill. Oil burner. 1,741,364; Dec. 31.
 Hennessy, Daniel E., Cambridge, assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck. 1,741,712; Dec. 31.
 Henry, Marlon J., Fort Madison, Iowa. Bolt and nut lock. 1,741,234; Dec. 31.
 Henry, Marlon J., Fort Madison, Iowa. Lubricating device. 1,741,235; Dec. 31.
 Hercules Powder Company. (See Babcock, Leon W., assignor.)
 Herman, Florentine P., West Palm Beach, Fla. Surgical instrument. 1,741,461; Dec. 31.
 Herrenbruck, Herman, assignor to Orbon Store Co., Belleville, Ill. Stove casing. 1,741,297; Dec. 31.
 Henze, Charles, Anvelais, Belgium. Grinding table. 1,741,462; Dec. 31.
 Hevi Duty Electric Company. (See Hansen, Fred A., assignor.)
 Hewitt, Edward R., Midvale, N. J., assignor to International Motor Company, New York, N. Y. Venturi combustion chamber for internal-combustion engines. 1,741,417; Dec. 31.

Heyer, Alfred J., assignor, by mesne assignments, to Hussmann-Ligouler Company, St. Louis, Mo. Counter refrigerator. 1,741,568; Dec. 31.
 Heymann, Edward, Boston, Mass. Brake mechanism. 1,741,365; Dec. 31.
 Hickok, George F., San Francisco, Calif. Choker hook. 1,741,463; Dec. 31.
 Hicks, Patrick, North Cambridge, Mass. Fastening device. 1,742,141; Dec. 31.
 Highway Steel Products Co. (See Robertson, Robert R., assignor.)
 Hill, Edward B., Chicago, Ill. Nursing-bottle holder. 1,741,937; Dec. 31.
 Hill, Hermann, Detroit, Mich., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Shoe mounting for ironing machines. 1,741,298; Dec. 31.
 Himmel Brothers Co., The. (See Himmel, Fred and I., assignors.)
 Himmel, Fred and I., assignors to The Himmel Brothers Co., New Haven, Conn. Building material. 1,741,299; Dec. 31.
 Himmel, Isidore. (See Himmel, Fred and I.)
 Hindman, Howard A., Seattle, Wash. Electrically-heated insulated steam table. 1,741,569; Dec. 31.
 Hires, John E., Langhorne, Pa., assignor, by mesne assignments, to Salem Glass Works, Salem, N. J. Bottle-handling device. 1,742,074; Dec. 31.
 Hirsch, Alfred C. (See Krause, A. R., and Hirsch.)
 Hise Bed Spring Company. (See Hise, James P., assignor.)
 Hise, James P., Staunton, Va., assignor to Hise Bed Spring Company. Bedspring. 1,742,075; Dec. 31.
 Hodgkins, Ernest C., Newton Center, Mass. Temperature regulator for mechanical refrigerators. 1,741,237; Dec. 31.
 Hoe, R., & Co. (See Graf, Albert J., assignor.)
 Hofstra, Wiebe S., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,742,142; Dec. 31.
 Holland, John F., et al. (See Harden, Walter, assignor.)
 Holland, William F., et al. (See Harden, Walter, assignor.)
 Holmes, Edward L., New York, N. Y., assignor to Holmes Navigating Apparatus Co., Inc. Automatic deviation and distance integrating apparatus. 1,741,713; Dec. 31.
 Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let off for looms. 1,741,300; Dec. 31.
 Holmes, Louis D., and J. S. Townsend, assignors to Whiting Corporation, Harvey, Ill. Transfer platform. 1,741,772; Dec. 31.
 Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,742,168; Dec. 31.
 Holmes Navigating Apparatus Co. (See Holmes, Edward L., assignor.)
 Holt, Donald, assignor to Edward Holt Company, Chicago, Ill. Lighting fixture and the like. 1,741,301; Dec. 31.
 Holt, Edward, Company. (See Holt, Donald, assignor.)
 Holt, Henry K. (See Hornbeck, E. R., and Holt.)
 Holtschmidt, Friedrich, Berlin, Germany. Moving staircase. 1,741,842; Dec. 31.
 Holtz, George H., Oxford, Wis. Corn binder. 1,741,938; Dec. 31.
 Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
 Holzwarth Gas Turbine Co. (See Sedlmeir, Michael, assignor.)
 Holzwarth, Hans, Düsseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Combustion turbine. 1,741,939; Dec. 31.
 Hoover, Kenneth H., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Monazo pyrazolone dye. 1,741,418; Dec. 31.
 Horix, Carl, Chicago, Ill. Beverage and preparing the same. 1,741,773; Dec. 31.
 Horn Surgical Company. (See Christy, William B., assignor.)
 Hornbeck, Everett R., and H. K. Holt, Cisco, Tex. Tug-wheel clutch. 1,741,629; Dec. 31.
 Horne, Bartlett S., and R. M. Laughinghouse, Jacksonville, Fla. Safety device. 1,741,626; Dec. 31.
 Hotchkiss, Donald V., Dorset, England. Propulsion of water craft and aircraft. 1,741,238; Dec. 31.
 Hough, Clinton W., Boonville, assignor to Wired Radio, Inc., New York, N. Y. Correction of power factor in induction motors. 1,741,518; Dec. 31.
 Houghton, Carl R., assignor to The Connorsville Blower Company, Inc., Connorsville, Ind. Dust separator. 1,741,774; Dec. 31.
 Houghton, E. F., and Company. (See Pressell, George W., assignor.)
 Houghton, Roy, Detroit, Mich. Receptacle for refuse. 1,742,076; Dec. 31.
 Houpit, Clayton S. (See Mavor, W., and Houpit.)
 Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,742,076; Dec. 31.
 Howe, Winthrop K., and C. S. Bushnell, assignors to Trackway apparatus for train-control systems. 1,741,775; Dec. 31.
 Hower, Harry G., Chicago, Ill. Tire. Des. 80,227; Dec. 31.

Hoy, Frank H., assignor to Cudahy Brothers Company, Milwaukee, Wis. Sausage casing. 1,741,239; Dec. 31.
 Hudson, Charles A., assignor to F. E. Hudson & Sons, Incorporated, Ellisburg, N. Y. Clamping die blocks. 1,741,302; Dec. 31.
 Hudson, F. E., & Sons, Incorporated. (See Hudson, Charles A., assignor.)
 Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Dephlegmator or fractionating column. 1,741,519; Dec. 31.
 Hughes, Charles R., Altoona, Pa. Mining machine. 1,741,714; Dec. 31.
 Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender, head lamp, and parking lamp for vehicles. Des. 80,228; Dec. 31.
 Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender and lamp casing for vehicles. Des. 80,229; Dec. 31.
 Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Disk-rolling mill. 1,741,715; Dec. 31.
 Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Refrigerator car. 1,741,630; Dec. 31.
 Hunt, Alfred E. (See Campbell, C. S., and Hunt.)
 Hunt, Alfred E., New Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,741,303; Dec. 31.
 Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Securing wheel disks to rims. 1,741,716; Dec. 31.
 Hunt, Warren T., assignor to The Willys-Overland Company, Toledo, Ohio. Cooling system. 1,741,464; Dec. 31.
 Hunter, Philinda, Marion, Ill. Invalid's cot. 1,741,717; Dec. 31.
 Huppert, William, New York, N. Y. Electrical attachment plug. Des. 80,231; Dec. 31.
 Huriburt Research Corporation. (See Zeidler, William A., assignor.)
 Hursthal, Alphons O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Panel for driers. 1,741,306; Dec. 31.
 Hussmann-Ligouler Company. (See Heyer, Alfred J., assignor.)
 Hussmann-Ligouler Company. (See Stelner, Joseph C., assignor.)
 Hutchens, Ralph W., assignor to Gillette Rubber Company, Eau Claire, Wis. Tire or similar article. Des. 80,230; Dec. 31.
 Hutchings, Le Roi E., Buffalo, N. Y., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Filing device. 1,741,157; Dec. 31.
 Hutchins, James V. (See Ritter, Frank M., assignor.)
 Hutchinson, John, Great Neck, N. Y. Internal-combustion engine. 1,741,987; Dec. 31.
 Huth, Dr. Erich F., Ges. m. b. H. (See Pauli, Heinrich, assignor.)
 Huttlinger, William R., Philadelphia, Pa. High-voltage switch. 1,742,077; Dec. 31.
 Huxman, Richard F., Benton Harbor, Mich. Grass clipper. 1,741,172; Dec. 31.
 Hynes, Leo P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Door-engine control. 1,741,988; Dec. 31.
 Hynes, Leo P., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric heating system. 1,742,159; Dec. 31.
 I. G. Farbenindustrie Aktiengesellschaft. (See Beck, C., and Diekmann, assignors.)
 I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Richard, assignor.)
 India Tire & Rubber Company, The. (See Lerch, William G., assignor.)
 Individual Drink'g Cup Company. (See Moore, Hugh, assignor.)
 Inshaw, George R., Glasgow, Scotland. Transmission gear for overhead engine cam shafts. 1,741,570; Dec. 31.
 International Motor Company. (See Hewitt, Edward R., assignor.)
 International Motor Company. (See Masury, Alfred F., assignor.)
 International Precipitation Company. (See Viets, F. H., and Welskopf, assignors.)
 Irvin, Richard, Knoxville, Pa. Air filter. 1,741,367; Dec. 31.
 Isaacson, William O., Chicago, Ill. Anchor. 1,741,776; Dec. 31.
 Isabey-Paris, Inc. (See Acker, Miriam C., assignor.)
 Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 80,232; Dec. 31.
 Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 80,233; Dec. 31.
 Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 80,234; Dec. 31.
 Isothermos Corporation of America. (See Grandjean, Georges, assignor.)
 Ives, Charles Q., Stratford, Conn., assignor to Brown Company, Berlin, N. H. Apparatus for raising liquids. 1,741,571; Dec. 31.
 Jackes-Evans Manufacturing Company. (See Jackes, Stanley P., assignor.)

Jacks, Stanley F., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo. Stovepipe. 1,741,304; Dec. 31.

Jackson, Corwill, Chicago, Ill. Tamping and like implement. 1,741,240; Dec. 31.

Jacobs, Reed, Grattinger, Iowa. Attachment for cream separators. 1,742,078; Dec. 31.

Jacobs, Werner, Essen, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Variable-speed gear. 1,741,631; Dec. 31.

Jacobsen, Ludwig G., assignor to The Dahlstrom Metallic Door Company, Jamestown, N. Y. Elevator-entrance inclosure. 1,741,940; Dec. 31.

Jacobsen, Ludwig G., assignor to The Dahlstrom Metallic Door Company, Jamestown, N. Y. Elevator-entrance inclosure. 1,741,940; Dec. 31.

Jacobsen, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Series boiler. 1,741,701; Dec. 31.

Jacobsen, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace wall and baffles. 1,741,718; Dec. 31.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Reducing products of carbon monoxide. 1,741,306; Dec. 31.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Reducing products of carbon monoxide. 1,741,307; Dec. 31.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Reducing products of carbon monoxide. 1,741,308; Dec. 31.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,741,309; Dec. 31.

Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Contact sulphuric acid process. 1,741,310; Dec. 31.

Jaeger, Alphons O., St. Louis, Mo., assignor to The Selden Company, Pittsburgh, Pa. Purification of aromatic hydrocarbons. 1,741,305; Dec. 31.

Jagenberg, Emil, Dusseldorf, Germany. Roll cutting and winding machine. 1,741,520; Dec. 31.

James, William S. (See Stratford, Charles W., and James.)

Jandewitch, Joseph H., New York, N. Y. Shirt-collar stiffener. 1,741,311; Dec. 31.

Jardine, Frank, Cleveland, Ohio, assignor, by mesne assignments, to Cleveland Trust Company, as trustee, Cleveland, Ohio. Piston. 1,741,843; Dec. 31.

Jefferson Electric Company. (See Johnson, Chester A., assignor.)

Jencks, Hollis W., Highland Park, Mich., assignor to Trustco Steel Company, Youngstown, Ohio. Loading platform. 1,741,189; Dec. 31.

John, Kenneth B., C. W. Coslow, and C. J. Schwindt, assignors, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Tablet machine. 1,741,312; Dec. 31.

Johnson Automobile Lock Company. (See Johnson, Colville L., assignor.)

Johnson, Chester A., assignor to Jefferson Electric Company, Chicago, Ill. Machine for assembling fuses. 1,741,119; Dec. 31.

Johnson, Colville L., assignor to Johnson Automobile Lock Co., St. Louis, Mo. Refrigerator-coil mounting. 1,741,989; Dec. 31.

Johnson, Colville L., assignor to Johnson Automobile Lock Company, St. Louis, Mo. Transmission lock. 1,741,990; Dec. 31.

Johnson, Edward E., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Pen and pencil mount. 1,741,368; Dec. 31.

Johnson, Frank L., Statesville, N. C. Bottle. Des. 80,235; Dec. 31.

Johnson, Fred, Leicester, England. Sole-laying press for use in the repair and manufacture of boots and shoes. 1,741,844; Dec. 31.

Johnson, George T., and H. W. Stertzbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck side frame. 1,741,845; Dec. 31.

Johnson, Ray W., Chicago, Ill. Antitheft spare-wheel device. 1,741,314; Dec. 31.

Johnson, Samuel J., assignor to The Seinsheimer Paper Company, Cincinnati, Ohio. Garment-hanger cover. 1,741,777; Dec. 31.

Johnson Service Company. (See Otto, Carl A., assignor.)

Johnson, Tomlinson F., Jr., Atlanta, Ga. Disconnecting air-break switch. 1,742,079; Dec. 31.

Johnson, Tomlinson F., Jr., Atlanta, Ga. Disconnecting air-break switch. 1,742,143; Dec. 31.

Johnson, Tomlinson F., Jr., Atlanta, Ga. Disconnecting air-break switch. 1,742,144; Dec. 31.

Jolley, Samuel L., Norwalk, Calif. Sucker-rod-joint lock. 1,741,720; Dec. 31.

Jones, George A., assignor to Shoe Products, Inc., Lynn, Mass. Shoe. 1,741,419; Dec. 31.

Jones, Howard R., Philadelphia, Pa. Dental appliance. 1,742,080; Dec. 31.

Jones, Paul C., Cuyahoga Falls, Ohio assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,741,778; Dec. 31.

Jones, Timmie J., Moorhead, Miss. Sanitary towel-service vending machine. 1,741,572; Dec. 31.

Jose, Daisy B., Leedey, Okla. Auxiliary spool holder for sewing machines. 1,741,632; Dec. 31.

Judell, Julius S., assignor to The Milwaukee Flush Valve Company, Milwaukee, Wis. Combination fixture. 1,741,521; Dec. 31.

Kahn, Oscar L., New York, N. Y. Parasol and umbrella. 1,741,846; Dec. 31.

Kall, Carl. (See Ager, C. E., Kall, Ager, and Kall.)

Kall, Philip. (See Ager, C. E., Kall, Ager, and Kall.)

Kall, Wilton. (See Ager, C. E., Kall, Ager, and Kall.)

Kandle, Furman M., Atlantic City, N. J. Furnace grate. 1,742,081; Dec. 31.

Karpen, S., & Bros. (See Kaspar, Frank, assignor.)

Kasper, Frank, assignor to S. Karpen & Bros., Chicago, Ill. Cushion construction. 1,741,847; Dec. 31.

Kasprzak, Mateusz. (See Ellis, S., and Kasprzak.)

Katz, William, et al. (See Chamberlain, Ing, assignor.)

Keller, Henry G., Glenside, Pa. Variable-lift wing for aeroplanes. 1,742,082; Dec. 31.

Kelley, William J., Minneapolis, Minn. Medical appliance. 1,741,313; Dec. 31.

Kellogg Company. (See Wilder, Harold K., assignor.)

Kellogg, Henry M., Milford, Conn. Fastening device. 1,741,942; Dec. 31.

Kelly, William D., Western Springs, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 1,742,083; Dec. 31.

Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Printing press. 1,741,848; Dec. 31.

Kelty, Charles R., Milton, Mass. Motor-controlling device. 1,741,721; Dec. 31.

Kemper, Albert H., and W. H. Durkin, Dayton, Ohio. Steam boiler. 1,741,633; Dec. 31.

Kendall, Edgar H., assignor to The Alliance Machine Company, Alliance, Ohio. Ladle trolley. 1,741,315; Dec. 31.

Kennedy, John B., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Automatic fastener. 1,741,154; Dec. 31.

Kessel, Anton, San Jose, Calif. Direction indicator. 1,741,190; Dec. 31.

Khalra, Randhir S., Navasota, Tex. Phonograph. 1,741,465; Dec. 31.

Kiefer, Kenneth H., et al. (See Volkman, Frederick C., assignor.)

King, Bertell W., New York, N. Y. Paste ejector. 1,741,991; Dec. 31.

King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Depth-indicating device. 1,742,084; Dec. 31.

King-Seeley Corporation. (See King, Horace W., assignor.)

King, William H., Clinton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent repeated indication of woff exhaustion. 1,741,316; Dec. 31.

Kipnis, Asher, assignor to Republic Knitting Mills, Brooklyn, N. Y. Knitting machine. 1,742,036; Dec. 31.

Kipper, Herman B., Muskegon, Mich. Heating and agitating apparatus. 1,741,573; Dec. 31.

Kipping, Thilo. (See Pohlmann, Gustav, assignor.)

Kirby, James B., West Richfield, Ohio. Clothes-washing machine. 1,741,191; Dec. 31.

Kirby, James B., West Richfield, Ohio. Clothes-washing machine. 1,741,317; Dec. 31.

Kirby Manufacturing Company, The. (See Otterbein, John A., assignor.)

Kirk, Henry C., assignor to Samuel Kirk and Son Incorporated, Baltimore, Md. Candlestick. Des. 80,236; Dec. 31.

Kirk, Samuel, and Son Incorporated. (See Kirk, Henry C., assignor.)

Kirn, Robert E., New York, N. Y. Piston ring. 1,741,849; Dec. 31.

Kleckler, Harry, Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Quick-setting device for brush holders. 1,741,992; Dec. 31.

Kleinmeyer, T. E., et al. (See Dopyera, John, assignor.)

Kleinschmidt, Harry D., Westmont, N. J. Adjustable motor-vehicle seat. 1,742,037; Dec. 31.

Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)

Kloninger, Hans C., Wettingen, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. System and apparatus for operating one or more electrical power auxiliary stations from a central station. 1,741,993; Dec. 31.

Knight American Patents Company. (See Knight, Charles Y., assignor.)

Knight, Charles Y., Pasadena, Calif., assignor to Knight American Patents Company, Chicago, Ill. Internal-combustion engine. 1,741,994; Dec. 31.

Kobbe, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Sulphur-containing overing. 1,741,522; Dec. 31.

Kobbe, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Article made of fabric. 1,742,145; Dec. 31.

Koch, Clarence B. (See Snelling, W. O., and Koch.)

Kollsman, Paul, Woodhaven, N. Y. Indicator. 1,741,702; Dec. 31.

Kondolf, Henry E., Brooklyn, N. Y. Paper package and display cover therefor. 1,741,369; Dec. 31.

Koppers Company, The. (See Puening, Franz, assignor.)

Koubka, Ludwig, Pilsen, assignor to Aktiengesellschaft vormals Skodawerke in Pilsen, Prague, Czechoslovakia. Electric conductor for electric machines and apparatus. 1,741,420; Dec. 31.

Kraemer, August F., assignor to Louis Stern Company, Providence, R. I. Foldable extension device. 1,741,421; Dec. 31.

Krag, Harry W., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo. Cutting machine. 1,741,780; Dec. 31.

Krasnikov, Nicolai P., Moscow, Russia. Process and slot member for manufacturing glass sheets. 1,741,523; Dec. 31.

Kraus, Charles E., Brooklyn, N. Y., assignor to Sialco, Incorporated. Heat insulation. 1,741,574; Dec. 31.

Krause, Arnold R., Eau Claire, Wis., assignor to Gillette Rubber Company. Tread measuring and cutting machine. 1,741,634; Dec. 31.

Krause, Arnold R., and A. C. Hirsch, assignors to Gillette Rubber Co., Eau Claire, Wis. Tread measuring and cutting device. 1,741,635; Dec. 31.

Kreher, Max, Freiberg, Germany. Power-transmission mechanism. 1,741,524; Dec. 31.

Kreissig, Ernst, Uerdlingen, Germany. Spring counter-balancing means. 1,741,525; Dec. 31.

Kremmling, Otto, Hammersleben, near Oschersleben, Germany. Method of and apparatus for mechanically treating objects. 1,741,722; Dec. 31.

Kroh, Calvin Z., Toledo, Ohio. Motor-boat top. 1,741,318; Dec. 31.

Küchenmeister, Heinrich, Berlin, Germany. Talking machine. 1,742,085; Dec. 31.

Kühl, Theodor, assignor to the firm Carl Zeiss, Jena, Germany. Appliance for photographing the interior of the eye. 1,741,526; Dec. 31.

Kuhn, Frank, assignor to American Electrical Heater Company, Detroit, Mich. Thermostatic switch for electrical heating devices. 1,741,466; Dec. 31.

Kuker, Otto J., Seattle, Wash. Hand level. 1,741,422; Dec. 31.

Kurlansky, Aaron, et al. (See Chamberlain, Ing, assignor.)

Kusterer, Carl C., Grand Rapids, Mich. Convertible chair bed. 1,741,192; Dec. 31.

La Barre, Theodore C., Seattle, Wash. Crosscut-saw jointer. 1,741,850; Dec. 31.

Lacene Manufacturing Company. (See Cogswell, Leander A., assignor.)

Lachman, Maurice, New York, N. Y. Girder. 1,741,423; Dec. 31.

Lackey, Robert M., Waterford, N. Y. Shopping bag. 1,741,527; Dec. 31.

Lamons, Charles P., Chickasha, Okla. Density regulator for seed rolls on linters. 1,741,636; Dec. 31.

La Mont, Artemus L., Fredericktown, Mo. Vibrator for ore screens. 1,741,528; Dec. 31.

Lamson Company, The. (See Amory, Robert, assignor.)

Land, Charles W., Brighton, Victoria, Australia. Visible-index card filing device. 1,741,467; Dec. 31.

Landis & Gyr, A.-G. (See Züger, Julius, assignor.)

Lane, Albert M. (See Lyman, K. E., and Lane.)

Lane, Albert M. (See Lyman, K. E., McMullen, and Lane.)

Lane, Alfred M., assignor to General Weatherstrip Company, St. Louis, Mo. Metal weather strip. 1,741,781; Dec. 31.

Lange, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Heater. 1,741,468; Dec. 31.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting apparatus. 1,741,370; Dec. 31.

Lapsley, Howard G., Plainfield, N. J. Projectile toy. 1,741,995; Dec. 31.

La Roque, George A., Hartford, Conn. Metal-handling apparatus. 1,741,782; Dec. 31.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 1,742,086; Dec. 31.

Latia, John S., et al. (See Renwick, Frederick W., assignor.)

Lau, Edwin F., Melrose Park, assignor to Consolidated Steel Strapping Company, Chicago, Ill. Crating. 1,741,241; Dec. 31.

Laughinghouse, Richard M. (See Horne, B. S., and Laughinghouse.)

Laurent, Emile A., Denver, Colo. Automobile signal lamp. Des. 80,237; Dec. 31.

Lazarus, Meyer, Brooklyn, N. Y. Electric rectifying device. 1,741,319; Dec. 31.

Leach, Ross O., Highland Park, Mich. Combination roost, litter carrier, and window. 1,741,159; Dec. 31.

Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,741,996; Dec. 31.

Lee, William S., R. Pfachler, and D. Nabow, Charlotte, N. C. Hydraulic gate-operating mechanism. 1,741,320; Dec. 31.

Le Fever, Daniel M., assignor to Pass & Seymour, Incorporated, Syracuse, N. Y. Sign receptacle. 1,741,723; Dec. 31.

Legge, Peter S., Somerville, Mass. Edging machine. 1,741,321; Dec. 31.

Legge, Peter S., Pompton Lakes, N. J. Stone-working machine. 1,741,322; Dec. 31.

Lehman, Max R., Quincy, assignor to Orbon Stove Co., Belleville, Ill. Stove casing. Des. 80,238; Dec. 31.

Lehr, Arthur, Hamburg, Germany. Marine life-saving apparatus. 1,741,851; Dec. 31.

Leiter, Friedrich F., Vienna, Austria. Endoscope. 1,741,575; Dec. 31.

Lemm, Gotthard J., Tacoma, Wash. Sink strainer. 1,741,242; Dec. 31.

Leonard, Foster A., et al. (See Thomas, William M., assignor.)

Leonhardt, Andrew W., Cleveland, Ohio. Disappearing support. 1,741,703; Dec. 31.

Lerch, William G., Akron, assignor to The India Tire & Rubber Company, Mogadore, Ohio. Marking tires. 1,741,997; Dec. 31.

Le Rud, Gustav, Argusville, N. Dak. Belt guide. 1,741,852; Dec. 31.

Lessing, Rudolf, London, England. Treatment of materials with binders in the briquetting of said materials. 1,741,193; Dec. 31.

Levin, Abraham S. (See Stein, M., and Levin.)

Levine, Harold, Newark, N. J. Rodent or the like diet cup. 1,741,194; Dec. 31.

Levy, Arthur M., assignor to Superloid Manufacturing Company, Inc., Brooklyn, N. Y. Ophthalmic mounting. 1,742,163; Dec. 31.

Lewis, George A., Cleveland, Ohio. Foldable table. 1,741,576; Dec. 31.

Lewis-Shepard Company. (See Hennessy, Daniel E., assignor.)

Lewis-Shepard Company. (See Warshaw, Nathaniel, assignor.)

Lewis, Tony N., et al. (See Butler, Thomas H., assignor.)

Lewis, Wilbur S., assignor to The Nestle-Le Mur Company, Cleveland, Ohio. Permanent-waving hair curler. 1,742,177; Dec. 31.

Liddell, Robert P. F. (See Greenbalgh, G. H., and Liddell.)

Liddell, Robert P. F., New York, N. Y., assignor to Motor Improvements, Inc., Newark, N. J. Filter. 1,741,705; Dec. 31.

Lilienfeld, Leon, Vienna, Austria. Vegetable textile material and producing same. 1,741,637; Dec. 31.

Lingo, Archibald E., Collingswood, assignor to John E. Lingo & Son, Inc., Camden, N. J. Making columns and the like. 1,741,704; Dec. 31.

Lingo, John E., & Son, Inc. (See Lingo, Archibald E., assignor.)

Link-Belt Company. (See Erisman, John L., assignor.)

Link, Louis. (See Weller, D. R., and Link.)

Linney, Joseph R., Clinton County, N. Y. Sintering machine. 1,741,943; Dec. 31.

Linney, Joseph R., Clinton County, N. Y. Sintering machine. 1,741,944; Dec. 31.

Littell, Nelson. (See Hebig, Henry C., assignor.)

Little, Percy F., Lyon Park, Va. Automatic choke-valve control. 1,741,706; Dec. 31.

Little River Redwood Co., The. (See Barry, James P., assignor.)

Little, Thomas J., Jr., assignor to Copeland Products, Inc., Detroit, Mich. Refrigerator. 1,741,638; Dec. 31.

Lloyd, W. H. S., Co. (See Gray, Edwin T., assignor.)

Loenneke, Louis J., et al. (See Nemeth, Steffen P., assignor.)

Logan Co. (See Crady, Allen E., assignor.)

Lombardini, Luigi, Turin, Italy. Visible card-index file. 1,742,087; Dec. 31.

Lombardo, Antonio, Brooklyn, N. Y. Automatic bomb-dropping device. 1,741,195; Dec. 31.

Lomax, Clarence E. (See Voss, J. H., and Lomax.)

Lomax, Clarence E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Secretary service for telephones. 1,741,639; Dec. 31.

Loose, O., Kansas City, Mo. Folding carton. 1,741,196; Dec. 31.

Long, Bernard, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de St-Gobain Chauny & Cley, Paris, France. Electric furnace. 1,741,469; Dec. 31.

Long, Elmer C., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich. Piston. 1,741,243; Dec. 31.

Loock, Carl H. (See Hansen, Lorrin L., assignor.)

Love, Andrew, Paddington, New South Wales, Australia. Shoe fastening. 1,741,640; Dec. 31.

Lower, Mary E., Williamsburg, Pa. Canning corn. 1,741,724; Dec. 31.

Lower, Melvin S., assignor to The Sun Rubber Company, Barberton, Ohio. Sponge cup. 1,741,783; Dec. 31.

Lowry, Samuel D., assignor to Automatic Pencil Vending Machine Corporation, Houston, Tex. Pencil-vending machine. 1,742,039; Dec. 31.

Lucas, John H., assignor to The Milwaukee Electric Railway & Light Company, Milwaukee, Wis. Car-seat-reversing mechanism. 1,741,784; Dec. 31.

Luer, August J., Alton, Ill. Combination heater and mixer. 1,741,160; Dec. 31.

Lufkin, John L., assignor to The Engineering Products Corporation, Inc., New York, N. Y. Manhole guard. 1,741,323; Dec. 31.

Lundstrom, William C., Spokane, Wash. Automobile dressing room. 1,741,424; Dec. 31.

Lyman, Kenneth E., Hinsdale, assignor, by mesne assignments, to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,553; Dec. 31.

Lyman, Kenneth E., assignor to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,555; Dec. 31.

Lyman, Kenneth E., assignor to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,562; Dec. 31.

ALPHABETICAL LIST OF PATENTEES

Lyman, Kenneth E., assignor to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,863; Dec. 31.

Lyman, Kenneth E., assignor to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,864; Dec. 31.

Lyman, Kenneth E., assignor to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,865; Dec. 31.

Lyman, Kenneth E. and A. M. Lane, assignors to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,856; Dec. 31.

Lyman, Kenneth E. and A. M. Lane, assignors to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,859; Dec. 31.

Lyman, Kenneth E. and A. M. Lane, assignors to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,860; Dec. 31.

Lyman, Kenneth E. and A. M. Lane, assignors to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,861; Dec. 31.

Lyman, Kenneth E. and M. W. McConkey, assignors to Bendix Brake Company, Chicago, Ill. Brake. 1,741,577; Dec. 31.

Lyman, Kenneth E., Rockford, and R. B. McMullen, Jr., Evanston, assignors to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,857; Dec. 31.

Lyman, Kenneth E., Rockford, R. B. McMullen, Jr., Evanston, and A. M. Lane, assignors to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,854; Dec. 31.

Lynch, Charles W., Perry, assignor to Williams Iron Works Company, Incorporated, Tonkawa, Okla. Chain tightener. 1,741,755; Dec. 31.

Lynch, George B., C. L. Carroll, and A. Gumm, Tucson, Ariz. Rivet-removing tool. 1,742,040; Dec. 31.

Lyon Metal Products, Incorporated. (See Vance, Walter N., assignor.)

Lyons, James G., Stockton, Calif. Vacuum wing stabilizer for aeroplanes. 1,741,578; Dec. 31.

Magat, Israel, assignor to Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft, Berlin, Germany. Preparing medicines. 1,741,786; Dec. 31.

Magrath, George H., Whitinsville, Mass. Spindle clutch. 1,741,197; Dec. 31.

Magruder, Willett C., Louisville, Ky. Razor cabinet. 1,741,945; Dec. 31.

Mahlie, Carl C. (See Wehr, E. R., and Mahlie.)

Mahon, Frank, Brattleboro, assignor of one-third to E. L. Scott, Barre, and one-third to H. G. Barber, Brattleboro, Vt. Heating system and apparatus. 1,741,529; Dec. 31.

Marsden, Fred, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for loom thread cutters. 1,741,324; Dec. 31.

Martin, Traugott, Paterson, N. J. Narrow-ware loom. 1,741,641; Dec. 31.

Martinez, Miguel P., New York, N. Y. Electric station indicator. 1,741,371; Dec. 31.

Marty, René H. C. (See Guyon, Y., and Marty.)

Maryland Baking Company. (See Rolker, Edwin, assignor.)

Mangold, John A., St. Petersburg, Fla. Bottle holder and filter. 1,742,041; Dec. 31.

Mann, Joseph, Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Combined hem folder and strip guide. 1,741,566; Dec. 31.

Manville, E. J., Machine Company, The. (See Bauck, Theodore H., assignor.)

Mann, Joseph, Chicago, Ill. Combined cigarette case and lighter. 1,741,857; Dec. 31.

Markes, Ronel T., Philadelphia, Pa. Automobile roof-lining construction. 1,741,946; Dec. 31.

Marschke, Reinhold B., St. Paul, Minn. Window. 1,741,998; Dec. 31.

Marsden, John E. (See Milliken, John A., assignor.)

Marshall Field Mills Corporation. (See Clark, Eugene F., assignor.)

Mason, Richard C., Tulsa, Okla. Pump. 1,741,244; Dec. 31.

Masury, Alfred P., assignor to International Motor Company, New York, N. Y. Driving mechanism for six-wheel vehicles. 1,741,425; Dec. 31.

Matthews, W. N., Corporation. (See Birkenmeyer, Theodore, assignor.)

Matthies, Otto W., Dieterle, and B. Wendt, Dessau in Anhalt, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Sensitized element, silver halide emulsion therefor, and manufacturing the same. 1,742,042; Dec. 31.

Mauchan, Charles B., Glasgow, Scotland. Starting gate for race courses. 1,741,470; Dec. 31.

Mavor, Wilfrid, and C. S. Houpt, Ottawa, Ontario, Canada; said Mavor assignor to said Houpt. Transferring natural-wood-grain designs of a wood panel to another article. 1,741,471; Dec. 31.

Maxon, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,742,088; Dec. 31.

Maxon, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,742,178; Dec. 31.

Mav, John W., Belmont, Mass. Making shoes. 1,741,999; Dec. 31.

Mayer, Jerome, Belle Harbor, assignor to Comfolastic Corporation, New York, N. Y. Elasticized fabric. 1,741,530; Dec. 31.

Maynes, Emma C. (See Maynes, Hyla F., assignor.)

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Amusement ride. 1,741,245; Dec. 31.

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Amusement ride. 1,741,246; Dec. 31.

McCaleb, Albert G., assignor to Pines Winterfront Company, Chicago, Ill. Locking device. 1,741,161; Dec. 31.

McCarthy, Daniel J., Carpentersville, Ill., assignor to Chicago Railway Signal and Supply Company. Railway signal system. 1,741,642; Dec. 31.

McClure, Ora D., Ishpeming, Mich. Plunger pump. 1,741,643; Dec. 31.

McConkey, Montgomery W. (See Lyman, K. E., and McConkey.)

McDonald, Roland G., East Rochester, N. Y. Measuring and mixing device. 1,741,325; Dec. 31.

McGee, Edgar L., Scottsdale, assignor to Boyts, Porter & Co., Connelville, Pa. Valve. 1,742,043; Dec. 31.

McGowan, William R., McKees Rocks, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Shock-absorbing device. 1,741,162; Dec. 31.

McKeown, William C., Baltimore, Md. Apparatus for utilizing fluid fuels. 1,741,725; Dec. 31.

McKenna, Charles B., New York, N. Y. Valve. 1,741,198; Dec. 31.

McKesson, William C., Chicago, Ill. Oil-burning apparatus. 1,741,868; Dec. 31.

McMullen, Roger B., Jr. (See Lyman, K. E., and McMullen.)

McMullen, Roger B., Jr., Evanston, assignor to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,741,858; Dec. 31.

McMurtry Manufacturing Company, The. (See Scheide-man, Henry A., assignor.)

McNally, Charles S., Philadelphia, Pa. Dispenser. 1,741,326; Dec. 31.

Megraw, Albert B. (See Doane, L. C., and Megraw.)

Melhrum, Alexander, assignor, by mesne assignments, to H. W. and W. L. Smith, Syracuse, N. Y. Vehicle wheel. 1,742,044; Dec. 31.

Menes, Raymond, Brooklyn, N. Y. Building brace. 1,742,045; Dec. 31.

Merek & Co. (See Engels, William H., assignor.)

Merklinger, Frank E. (See Vaucrain, C. P., and Merklinger.)

Merrino, Nicholas, Mattapan, Mass. Protector for hair-dressing use and the like. 1,741,327; Dec. 31.

Merry, Ambrose A., et al. (See Robinson, James W., assignor.)

Merté, Willy, assignor to the firm Carl Zeiss, Jena, Germany. Photographable lens, corrected spherically, chromatically, astigmatically and for coma. 1,741,947; Dec. 31.

Merwath, William C., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Valve-lifting device. 1,741,426; Dec. 31.

Mett, Frederick A., Woodlawn, Md., assignor to Powhatan Mining Corporation. Refining asbestos ore. 1,741,569; Dec. 31.

Metzner, Albert W. (See Sherman, J. Q., and Metzner.)

Meuer, George J., assignor, by mesne assignments, to Cutler Hammer, Inc., Milwaukee, Wis. Socket or mounting for vacuum tubes. 1,741,372; Dec. 31.

Meyer, Charles, Miami, Fla. Juice extractor. 1,742,080; Dec. 31.

Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., assignor.)

Meyer, George J., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Automatic pressure cooker. 1,741,579; Dec. 31.

Meyer, Julius A. (See Hagen, Russell W., assignor.)

Meyer, Ulmas, assignor to Felten & Guillaume Carlswerk Aetien-Gesellschaft, Cologne-Mulheim, Germany. Electric conductor for signaling purposes. 1,741,644; Dec. 31.

Meyer, Wilfried. (See Friederich, E., and Meyer.)

Meyers, Louis, & Son, Inc. (See Aaron, A., and Benjamin, assignors.)

Meyershuber, William, assignor to General Spring Bumper Corporation, Detroit, Mich. Clamp plate. Dec. 31.

Meyrowitz, E. H., Inc. (See Meyrowitz, Emil R., assignor.)

Meyrowitz, Emil R., New York, N. Y., assignor to E. H. Meyrowitz, Inc., Goetzels. 1,741,427; Dec. 31.

Michel, Richard, Uerdingen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of ethylated naphthalenes. 1,741,472; Dec. 31.

Michel, Richard, Uerdingen, Niederelheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of condensation products. 1,741,473; Dec. 31.

ALPHABETICAL LIST OF PATENTEES

Michelsen, William O., Woodhaven, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,741,328; Dec. 31.

Mieville, Charles, Paris, France. Thermoelectric couple. 1,741,870; Dec. 31.

Miller, Archibald S., St. Paul, Minn. Battery-terminal cleaner. 1,741,531; Dec. 31.

Miller Company, The. (See Doane, L. C., and Megraw, assignors.)

Müller, David A., Campbelltown, Pa. Soldering iron. 1,741,707; Dec. 31.

Miller, George L., assignor to Farles Manufacturing Company, Decatur, Ill. Lamp base. Dec. 31.

Milliken, John A., Ambler, assignor to J. E. Marsden, Philadelphia, Pa. Apparatus for blowing glass. 1,741,708; Dec. 31.

Mills, Herbert S., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Rosin-applying device. 1,741,373; Dec. 31.

Mills Novelty Company. (See Mills, Herbert S., assignor.)

Milwaukee Electric Railway & Light Company. (See Lucas, John H., assignor.)

Milwaukee Flush Valve Company, The. (See Judell, Julius S., assignor.)

Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)

Miner, W. H., Inc. (See O'Connor, John F., assignor.)

Minor, Herbert H. (See Coon, C. C., and Minor.)

Mishawaka Rubber and Woolen Manufacturing Company. (See Kennedy, John B., assignor.)

Mitchell, Algie R., Port Thomas, Ky. Automatic shade roller. 1,741,871; Dec. 31.

Moe-Bridges Company. (See Sutherland, Alexander K., assignor.)

Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Machine for lapping and stitching fabric sections. 1,741,872; Dec. 31.

Mohawk Carpet Mills, Inc. (See Crossland, George, assignor.)

Mourou-Witt Manufacturing Company. (See Witt, William A., assignor.)

Montgomery, John H., Omaha, Nebr. Dishwashing machine. 1,741,329; Dec. 31.

Moody, Lewis F., Philadelphia, Pa. Runner for turbines. 1,741,787; Dec. 31.

Moore, Charles A., Edina, Minn. Vent-lating and refrigerating apparatus. 1,741,580; Dec. 31.

Moore, Hugh, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Cup dispenser. 1,741,474; Dec. 31.

Moore, Hugh, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing device. 1,741,475; Dec. 31.

Moore, William A., Sauk Center, Minn. Minnow pail. 1,742,046; Dec. 31.

Moore, William M., Philadelphia, Pa. Stand. Dec. 31.

Morley, James P., assignor to Bastian-Morley Company, La Porte, Ind. Water-heater drain. 1,742,000; Dec. 31.

Morse, Albert W., Long Island City, N. Y. Combination gas and oil burner. 1,741,532; Dec. 31.

Morton, W. Brown. (See Arendt, Morton, assignor.)

Motz, Wilhelm L., Wandersbek, near Hamburg, Germany. Loading plant. 1,741,374; Dec. 31.

Morn, Walter W., Kenosha, Wis. Spotlight. 1,741,788; Dec. 31.

Moshelm, Albert, New York, N. Y. Cake of soap. Dec. 31.

Moss Rose Manufacturing Company. (See Earnshaw, Joseph C., assignor.)

Moss, Walter L., Waco, Tex. Cloth-cutting machine. 1,742,047; Dec. 31.

Motor Improvements, Inc. (See Arnold, George A., assignor.)

Motor Improvements, Inc. (See Greenhalgh, G. H., and Liddell, assignors.)

Motor Improvements, Inc. (See Liddell, Robert P. F., assignor.)

Moulton, Forest R., assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Driving mechanism for motion-picture-projection machines. 1,742,001; Dec. 31.

Mowery, Leroy D. (See Hauserman, E. E., Mowery, and Bohnsack.)

Munger, Francis, Minneapolis, Minn. Sustained-tone piano. 1,741,948; Dec. 31.

Murray Company, The. (See Campbell, Leon W., assignor.)

Murray, John F., et al., executors. (See Murray, Thomas E.)

Murray, Joseph B., et al., executors. (See Murray, Thomas E.)

Murray, Thomas E., deceased, Brooklyn, N. Y.; J. R. T. E., Jr., and J. F. Murray, executors. Air-conditioning apparatus. 1,741,726; Dec. 31.

Murray, Thomas E., Jr., et al., executors. (See Murray, Thomas E.)

Murray, Thomas G. (See Perks, C., Shields, and Murray.)

Mutch, George A., Coral Gables, assignor to New-H-Man Corporation, Miami, Fla. Water softener. 1,741,645; Dec. 31.

Myers, Altice E. (See Stubblefield, John A., assignor.)

Nannloze Vennootschap International Octrooibureau. (See Schoonbeek, Pancras, assignor.)

Nabow, David. (See Lee, W. S., Pfaffler, and Nabow.)

Nagy, Sándor, Mandok, Hungary, assignor of one-half to S. Robb, New York. Water turbine. 1,741,949; Dec. 31.

Nash, Benjamin S., Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric or similar article. Dec. 31.

National Aniline & Chemical Co. (See Hoover, Kenneth H., assignor.)

National Folding Box Company. (See Reichel, Ferdinand, assignor.)

National High Pressure Hose Co. (See Atwood, Leonard, assignor.)

Naugatuck Chemical Company, The. (See Owen, Allen F., assignor.)

Naylor, Jesse R., Portland, Ore. Spirits-aging apparatus. 1,741,727; Dec. 31.

Naylor, William S., Spokane, Wash. Dispensing and measuring device. 1,741,476; Dec. 31.

Nebel, Albin C., Amsterdam, N. Y. Knitting machine. 1,742,048; Dec. 31.

Nelson, John N. (See Bentley, E. J. R., and Nelson.)

Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,741,199; Dec. 31.

Nemeth, Stefan P., assignor to L. J. Leonneke and H. Rock, copartners doing business as Edmanson-Bock Catering Company, Chicago, Ill. Package-vending machine. 1,741,728; Dec. 31.

Nenzel, Joseph F., Los Angeles, Calif., assignor to Nenzel Manufacturing Company, Wilmington, Del. Lamp. Re17,545; Dec. 31.

Nenzel Manufacturing Company. (See Nenzel, Joseph F., assignor.)

Nestle-Le Mur Company, The. (See Lewis, Wilbur S., assignor.)

Nethercut, Edgar S. (See Colman, Howard D., assignor.)

Neuland, Alfons H., Irvington, N. J. Power-control system. 1,741,428; Dec. 31.

New Haven Clock Co., The. (See Porter, Wilson E., assignor.)

New-H-Man Corporation. (See Mutch, George A., assignor.)

New Jersey Zinc Company, The. (See Farber, Clayton W., assignor.)

Newbery, James F. (See Oakley, H., and Newbery.)

Neuman, Porter. (See Camden, Andrew B., assignor.)

Newspaper Stuffing Machine Company, The. (See Halvorsen, Severin, assignor.)

Newton, Earle R., assignor to Curtis Gas Engine Corporation, New York, N. Y. Power plant. 1,741,729; Dec. 31.

Newton, Earle R., assignor to Curtis Gas Engine Corporation, New York, N. Y. Power plant. 1,741,730; Dec. 31.

Nicolson, Alexander M., assignor to Wired Radio, Inc., New York, N. Y. Noncircular cone loud-speaker. 1,741,533; Dec. 31.

Nicolson, Alexander M., assignor to Wired Radio, Inc., New York, N. Y. Eccentric cone loud-speaker. 1,742,002; Dec. 31.

Nielsen, Claudius, Detroit, Mich. Mixing machine. 1,741,646; Dec. 31.

Niles, Elliot W., Bloomfield, N. J., and W. H. Edwards, Bayside, N. Y., assignors to American Telephone and Telegraph Company. Current-equalizing device. 1,741,375; Dec. 31.

Nitards, Otto J., Minneapolis, Minn. Wind motor. 1,741,247; Dec. 31.

Nitardy, Otto J., Minneapolis, Minn. Wind motor. 1,741,248; Dec. 31.

Nordensson, Tom K. A., Glasgow, Scotland. Compressor driven by internal-combustion engines. 1,741,731; Dec. 31.

Nordin, Erick A., Chicago, Ill. Ironing board. 1,741,581; Dec. 31.

Nordine, Axel O., Seattle, Wash. Trailer-frame construction. 1,741,873; Dec. 31.

Norris, Harry S. (See Fulenwider, James and H., Robinson, and Norris.)

North & Judd Manufacturing Company. (See Wardner, Orl E., assignor.)

Northern Trust Company, The, et al., trustees. (See Carlson, Arlie C., assignor.)

Northwestern Expanded Metal Company. (See Baker, G. W., and Dean, assignors.)

Norwood, Harry Y., West Rush, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,741,330; Dec. 31.

Oakley, Hubert, and J. F. Newbery, Davis, Okla. Twine holder. 1,741,874; Dec. 31.

Obbard, Norman B., Pittsburgh, Pa. Truss. 1,741,331; Dec. 31.

O'Brien, Timothy J. (See Skelton, H. R., and O'Brien.)

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Brake mechanism. 1,741,647; Dec. 31.

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,741,648; Dec. 31.

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,741,649; Dec. 31.

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,741,650; Dec. 31.

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism. 1,741,651; Dec. 31.

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing device for vehicles. 1,742,003; Dec. 31.

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,742,004; Dec. 31.
 O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,742,005; Dec. 31.
 O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Locking center-pin construction for railway cars. 1,742,006; Dec. 31.
 O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Center-pin locking arrangement for railway cars. 1,742,007; Dec. 31.
 O'Hara, Berry M. (See Slagle, E. A., and O'Hara.)
 Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
 Ohio Chemical & Manufacturing Company, The. (See Lawson, Howard H., assignor.)
 Oil Devices Corporation. (See Breese, James L., Jr., assignor.)
 Oilgear Company, The. (See Ferris, Walter, assignor.)
 Olsen, Olaf C., Dayton, Ohio, assignor of two-thirds to The Borden Company, Warren, Ohio. Refrigerating apparatus. 1,741,652; Dec. 31.
 Onoda Community, Limited. (See Allen, Grosvenor N., assignor.)
 O'Neill, James A., Lynn, Mass., assignor to General Electric Company. Globe holder. 1,742,179; Dec. 31.
 Orthon Stove Co. (See Herrenbruck, Herman, assignor.)
 Orthon Stove Co. (See Lehman, Max R., assignor.)
 Orrell, Arthur R., Memphis, Tenn. Trap. 1,741,429; Dec. 31.
 Ormberg, Axel, Wilpen, Minn. Closure cap. 1,742,090; Dec. 31.
 Orr, Francis L., Sacramento, Calif. Bean cutter. 1,741,709; Dec. 31.
 Osborn, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,742,180; Dec. 31.
 Otterbein, John A., assignor to The Kirby Manufacturing Company, Middletown, Conn. Toy. 1,742,158; Dec. 31.
 Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Automatic control device. 1,742,091; Dec. 31.
 Overton, Brodie C., St. Louis, Mo. Vending and display rack. 1,741,532; Dec. 31.
 Overman, George W. P., Norfolk, Va. Lifeboat-releasing device. 1,742,092; Dec. 31.
 Owen, Allen E., Jackson Heights, N. Y., assignor to The Nantuxuk Chemical Company, Nantuxuk, Conn. Preparing waterproofing compositions and products. 1,741,541; Dec. 31.
 Owen, Ira J., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 1,741,163; Dec. 31.
 Paisseau, Jean, Paris, France. Varnishing leather and like material. 1,742,146; Dec. 31.
 Palm, John V. O., Cleveland Heights, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Alloy. 1,741,733; Dec. 31.
 Palmer, Harry A., assignor to Reynolds Spring Company, Jackson, Mich. Escutcheon plate. 1,741,653; Dec. 31.
 Palford, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,741,200; Dec. 31.
 Pannwitz, Wilhelm, Berlin-Copenick, Germany, assignor to Deutsche Gold- und Silber-Scheideanstalt Frankfurt-am-Main, Germany. Device for tightly clamping tools in handpieces. 1,741,734; Dec. 31.
 Paper & Textile Machinery Company, The. (See Burden, Harry C., assignor.)
 Paradiso, Bertrand, Brooklyn, N. Y. Inked ribbon and making the same. 1,742,093; Dec. 31.
 Park Metalware Co., Inc. (See Zilliox, John, assignor.)
 Parker, Karr, Buffalo, N. Y. System of reception and reproduction of radio programs. 1,741,430; Dec. 31.
 Parker, Karr, Buffalo, N. Y. Sound-reproducing set. 1,741,431; Dec. 31.
 Parks & Woolson Machine Company. (See Richardson, Charles G., assignor.)
 Paris & Seymour, Incorporated. (See Le Fever, Daniel M., assignor.)
 Passmore, William O. (See Gillings, C., and Passmore.)
 Pastore, Salvatore, Providence, R. I. Support for telephone receivers. 1,741,950; Dec. 31.
 Patent-Treuhand-Gesellschaft fuer Elektrische Glueh-lampen m. b. H. (See Friederich, E., and Meyer, assignors.)
 Paul, Julius, assignor of fifty per cent to R. M. Sellwood, Duluth, Minn. Brake. 1,741,875; Dec. 31.
 Paul, Heinrich, assignor to the firm Dr. Erich F. Huth Ges. m. b. H., Berlin, Germany. High-frequency generating and amplifying system. 1,741,710; Dec. 31.
 Pearl, Leonard S., Revere, assignor of forty-five one-hundredths to T. E. Ryan, Medford, Mass. Device for cleaning meat from bones. 1,741,332; Dec. 31.
 Pearson, Oscar A., Oak Park, assignor to Thorderson Electric Manufacturing Company, Chicago, Ill. Coil-cutting machine. 1,741,511; Dec. 31.
 Peck, Frank W., Jr., Pittsfield, Mass., assignor to General Electric Company. Insulating support. 1,741,333; Dec. 31.
 Peiffer, William D., and O. D. Harris, Mishawaka, assignors of one-third to N. S. Amstutz, Valparaiso, Ind. Separable fastener. 1,741,750; Dec. 31.

Pelce, John R., assignor to Computing-Tabulating-Recording Co., New York, N. Y. Accounting machine. 1,741,201; Dec. 31.
 Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Supporting the skid bars or like elements in sawmills. 1,741,951; Dec. 31.
 Pennsylvania Pump & Compressor Company. (See Merwarth, William C., assignor.)
 Perks, Charles, London, C. E. Shields, Clive Vale, and T. G. Murray, Teddington, England. Sun blind. 1,742,094; Dec. 31.
 Perrier, Daniel, Urieux, France, assignor of one-half to Société Anonyme Française dite: Compagnie Industrielle des Moteurs à Explosion, C. I. M. E., Paris, France. Centrifugal separator. 1,742,095; Dec. 31.
 Perrier, Daniel, Urieux, France, assignor of one-half to Société Anonyme Française dite: Compagnie Industrielle des Moteurs à Explosion, C. I. M. E., Paris, France. Centrifugal separator. 1,742,096; Dec. 31.
 Petermann, Otto. (See Avery, H. A., Petermann, and Harmon.)
 Peterson, Robert E. (See Fraefel, L. R., and Peterson.)
 Pfuehler, Richard. (See Lee, W. S., Pfuehler, and Nabow.)
 Pfeiffer, Benjamin S. (See Chase, S., 4th, and Pfeiffer.)
 Pfeiffer, Christian, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Speed regulator for machine guns. 1,741,432; Dec. 31.
 Pfeiffer, Christian, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Speed regulator for machine guns. 1,741,534; Dec. 31.
 Pfister, Emil, Fribourg, Switzerland, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Metallizing the surfaces of insulating bands. 1,741,477; Dec. 31.
 Phillips, Carlton R., Oakland, Calif. Dirigible headlight. 1,741,433; Dec. 31.
 Phillips, Elwood C., Evanston, Ill. Table. 1,741,779; Dec. 31.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Range. 1,742,008; Dec. 31.
 Pierce-Arrow Motor Car Company, The. (See Hughes, James R., assignor.)
 Pierce, Walter H., Watertown, assignor, by mesne assignments, to United Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,742,169; Dec. 31.
 Plitzsch, Kurt F., assignor, by mesne assignments, to The Seiden Research & Engineering Corporation, Pittsburgh, Pa. Filter. 1,741,334; Dec. 31.
 Plisworth, David. (See West, Horatio G., assignor.)
 Plines Winterfront Company. (See McCaleb, Albert G., assignor.)
 Pinkerton, Frederick O., et al. (See Renwick, Frederick W., assignor.)
 Pitterlin, Harold F. (See Brewer, Robert W. A., assignor.)
 Pittoni, Louis E., Jamaica, N. Y., assignor to The Rome Company, Inc. Tufted mattress. 1,741,790; Dec. 31.
 Pilibric Jointless Firebrick Company. (See Anderson, John E., assignor.)
 Pohlmann, Gustav, Copitz, near Pirna, assignor, by mesne assignments, to T. Kipping, Dresden, Germany. Trailer coupling for tractor vehicles. 1,741,654; Dec. 31.
 Polysius, G. (See Bruhn, Bruno, assignor.)
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Center friction for clocks and watches. 1,741,952; Dec. 31.
 Powell, Samuel T., New Kensington, Pa., assignor to General Electric Company. Rotary pickling machine. 1,741,240; Dec. 31.
 Power, Lawrence E., assignor to The Reliance Company, Milwaukee, Wis. Resistor unit and forming the same. 1,741,582; Dec. 31.
 Powers, Joseph H., New Castle, Ohio. Valve. 1,741,735; Dec. 31.
 Powhatan Mining Corporation. (See Mett, Frederick A., assignor.)
 Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,741,583; Dec. 31.
 Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,742,009; Dec. 31.
 Pratt, Clifton J., Tulsa, Okla., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon-oil conversion. 1,741,535; Dec. 31.
 Pratt, Della L., Lindfield, near Sydney, New South Wales, Australia. Determination of figure types. 1,741,335; Dec. 31.
 Pratt & Floren, Inc. (See Pratt, L. E., and Sloan, assignor.)
 Pratt, Lowellyn E., Nutley, N. J., and H. L. Sloan, Brooklyn, N. Y., assignors to Pratt & Floren, Inc., New York, N. Y. Advertising device. 1,741,434; Dec. 31.
 Pratt & Whitney Aircraft Co., The. (See Willgoos, Andrew V. D., assignor.)
 Pressell, George W., assignor to E. F. Houghton and Company, Philadelphia, Pa. Carbonizing material. 1,741,336; Dec. 31.
 Priester, Harry, executor. (See Fallot, Alfred.)
 Prima, Arturo, (Fordson, Mich. Buckle. 1,741,876; Dec. 31.
 Pritchett, Rufus H., Reusselaer, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y. Preparing phenyl-oxalyl acetic-acid alkyl esters. 1,741,877; Dec. 31.

Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
 Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)
 Prosperity Company, The. (See Ledbetter, James C., assignor.)
 Protzer, Fritz, Detroit, Mich. Self-closing valve. 1,741,250; Dec. 31.
 Prouty, Kenneth A. (See Scott, W. A., and Prouty.)
 Prudden, Theodore M. (See Benson, William E., assignor.)
 Puening, Franz, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company. Coke-oven apparatus. 1,741,164; Dec. 31.
 Purcell, Mark, New York, N. Y., assignor to Diamond Candle Co., Inc. Night-light and votive-light holder. 1,741,337; Dec. 31.
 Putman, Alden L., assignor to Whitehead & Kales Company, Detroit, Mich. Making vehicle wheels. 1,741,478; Dec. 31.
 Quincey Stove Manufacturing Company, The. (See Lange, Henry, assignor.)
 Radio Patents Corporation. (See Pfister, Emil, assignor.)
 Radio Patents Corporation. (See Schmierer, Johannes M., assignor.)
 Radloff, Johannes, assignor to the firm Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Engine cylinder. 1,742,097; Dec. 31.
 Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Tungsten-tantalum alloy. 1,741,953; Dec. 31.
 Rankin Automatic Glass Feeder Company. (See Rankin, Carl H., assignor.)
 Rankin, Carl H., assignor to Rankin Automatic Glass Feeder Company, Limited, York, England. Method of and apparatus for charging molten glass into molds. 1,742,098; Dec. 31.
 Rasmussen, Charles M., Seattle, Wash. Tractor-track inclosure. 1,741,878; Dec. 31.
 Rathbone, Herbert. (See Rathbone, John H. and H.)
 Rathbone, John H., and H., Stretford, England. Hand-propelled paddle boat. 1,741,879; Dec. 31.
 Rathburg, Hans, Furth, Germany, assignor to Rheinisch-Westfälische Sprengstoff-Aktiengesellschaft, Cologne, Germany. Primer composition. 1,741,540; Dec. 31.
 Rau, Lester C., Cincinnati, Ohio. Display device. 1,741,880; Dec. 31.
 Raule, Clifford T., Brookline, Pa. Hollow packing ring for pistons. 1,741,436; Dec. 31.
 Rayton, Wilbur B., assignor to Rausch & Lomb Optical Company, Rochester, N. Y. Goggles. 1,741,536; Dec. 31.
 Reck, Maurus C., Rochester, N. Y., assignor to Sterling Range and Furnace Corporation. Cooking stove. 1,741,791; Dec. 31.
 Redgrave, Charles R. (See Swift, Edwin J., assignor.)
 Regan Safety Devices Company, The. (See Shaver, A. G., and Rosenzweig, assignors.)
 Reichel, Ferdinand, assignor to National Folding Box Company, New Haven, Conn. Display carton. 1,741,655; Dec. 31.
 Reintjes, George P., Kansas City, Mo. Locomotive-fire-box lining. 1,741,584; Dec. 31.
 Reliance Company, The. (See Power, Laurence E., assignor.)
 Remington Rand Inc. (See Campbell, C. S., and Hunt, assignors.)
 Remington Rand Inc. (See Hunt, Alfred E., assignor.)
 Remington Rand Inc. (See Hutchings, Le Roi E., assignor.)
 Renick, Kathryn W. (See Day, William B., assignor.)
 Renwick, Frederick W., Camden, N. J., assignor of three-eighths to J. S. Latta and one-fourth to F. O. Pinkerton, Philadelphia, Pa. Distant control for radio apparatus. 1,742,147; Dec. 31.
 Republic Knitting Mills. (See Kipnis, Asher, assignor.)
 Reserve Holding Company. (See Lomax, Clarence E., assignor.)
 Reserve Holding Company. (See Voss, J. H., and Lomax, assignors.)
 Reymiller, John L., Ploua, Ohio, assignor, by mesne assignments, of one-half to Hartzell Industries, Inc., Wilmington, Del. Outside spray booth. 1,741,954; Dec. 31.
 Reynolds Spring Company. (See Palmer, Harry A., assignor.)
 Rheinisch-Westfälische Sprengstoff-Aktiengesellschaft. (See Rathburg, Hans, assignor.)
 Rich, Lester J., New York, N. Y. Sanitary wearing apparel. 1,741,881; Dec. 31.
 Rich, Malcolm N., East Orange, N. J., assignor to Westinghouse Lamp Company. Obtaining chromium. 1,741,955; Dec. 31.
 Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Side frame and journal box. 1,741,537; Dec. 31.
 Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Side frame with separable journal boxes. 1,741,538; Dec. 31.
 Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Perch clock. 1,742,170; Dec. 31.

Richardson, John M., Cincinnati, assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Roofing slab. 1,741,539; Dec. 31.
 Richardson, Myron H., Chicago, and A. E. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Check-controlled mechanism. 1,742,010; Dec. 31.
 Richardson, Rodney G., Chicago, Ill. Electric fan. 1,741,736; Dec. 31.
 Richter, George A., assignor to Brown Company, Berlin, N. H. Production of high alpha cellulose fiber for the manufacture of cellulose derivatives. 1,741,540; Dec. 31.
 Rickersberg, Emanuel, Cleveland, Ohio. Combination brush and spraying nozzle. 1,741,435; Dec. 31.
 Riley Stoker Company. (See Taylor, Irving A., assignor.)
 Rinehart, Braman C., Chicago, Ill. Oil-storage-tank gauge. 1,741,792; Dec. 31.
 Ring, Harry S., Chicago, Ill. Pivot and bearing. 1,741,737; Dec. 31.
 Ritenour, Earl E., Alliance, Nebr. Railway wheel pilot. 1,742,148; Dec. 31.
 Ritter, Frank M., assignor of three-fourths to J. V. Hutchins, Washington, D. C. Cutting reel for lawn mowers. 1,741,376; Dec. 31.
 Robb, Stephen. (See Nagy, Sandor, assignor.)
 Roberts, Hugo, Habana, Cuba. Fumigating apparatus. 1,742,149; Dec. 31.
 Robertson, Kenneth J. R., and A. Fowler, assignors to Carrier Engineering Company Limited, London, England. Drying oven. 1,742,099; Dec. 31.
 Robertson, Robert R., Chicago, Ill., assignor to Highway Steel Products Co. Contraction road strip. 1,741,585; Dec. 31.
 Robinson, Edward W. (See Fulenwider, James and H., Robinson, and Norris.)
 Robinson, James W., assignor of one-fourth to A. A. Merry and one-fourth to R. W. White, Rochester, N. Y. Machine for drying photographic prints. 1,741,882; Dec. 31.
 Rockwell, Harold H., et al., trustees. (See Carlson, Artie C., assignor.)
 Rolker, Edwin, assignor to Maryland Baking Company, Baltimore, Md. Cone remover and trimmer. 1,741,656; Dec. 31.
 Rolland Glass Company. (See Stewart, Laurence E., assignor.)
 Rollins, Jarrot L., Colfax, Calif. Dimmer glass. 1,742,049; Dec. 31.
 Rollins, Richard B., Chicago, Ill. Sanitary bottle rack. 1,742,150; Dec. 31.
 Roltsen Company. (See Dixon, Harry, assignor.)
 Rome Company, The. (See Pittoni, Louis E., assignor.)
 Rosenzweig, Fred M. (See Shaver, A. G., and Rosenzweig, assignors.)
 Ross, Edwin D., Detroit, Mich. Window. 1,741,479; Dec. 31.
 Ross, Hugh M., Richmond Hill, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Feeding device. 1,741,788; Dec. 31.
 Roth, G. A., Manufacturing Co. (See Roth, Gilbert A., assignor.)
 Roth, Gilbert A., assignor to G. A. Roth Manufacturing Co., Hastings, Nebr. Automobile awning. 1,741,202; Dec. 31.
 Rowan, Eugene J., Rockville Center, N. Y. Steam generator. 1,741,657; Dec. 31.
 Rowe, Ambrose L., Detroit, Mich. Rapid-transit system. 1,741,203; Dec. 31.
 Rowley, William S., and H. W. Butterworth, Jr., Philadelphia, Pa., assignors to H. W. Butterworth & Sons Company. Treating textile fabrics. 1,741,338; Dec. 31.
 Royal Typewriter Company. (See Michelsen, William O., assignor.)
 Rozankovich, Thomas, Galveston, Tex. Spring wheel. 1,742,100; Dec. 31.
 Rudolph, Wilhelm. (See Hecht, H., and Rudolph.)
 Rüggeberg, Paul, Berlin-Tempelhof, Germany. Welding rails. 1,741,437; Dec. 31.
 Rumsey, Robert G., Kinsley, Kans. Screened folding crib. 1,742,011; Dec. 31.
 Runyan, William B., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Jack. 1,741,793; Dec. 31.
 Rusk, Elmer L. (See Williams, S. G., and Rusk.)
 Russell, Joseph C. (See Russell, Robert C. and J. C.)
 Russell, Robert C. and J. C., Pittsburgh, Pa. Index. 1,741,586; Dec. 31.
 Rutherford, Richard A., Co. (See Zwicke, William A., assignor.)
 Ryan, Thomas F. (See Pearl, Leonard S., assignor.)
 Ryan, Harrison C., Shaker Heights, Ohio. Inking carriage. 1,741,883; Dec. 31.
 Sager, Jesse H., Smithton, Pa. Pitcher. 1,741,339; Dec. 31.
 Sakier, George, New York, N. Y. Lamp shade and combination thereof with lamps. 1,741,658; Dec. 31.
 Salem Glass Works. (See Hires, John E., assignor.)
 Sanborn, Arthur R., East Orange, N. J., assignor to General Electric Company. Controller. 1,741,165; Dec. 31.
 Saurwein, Albert G., Cleveland, Ohio. Electric arc lamp. 1,741,539; Dec. 31.
 Sauvage, William H., assignor, by mesne assignments, to Gould Coupler Company, New York, N. Y. Slack adjuster. 1,741,739; Dec. 31.
 Sawyer, Harold L. (See Tibbets, C. B., and Sawyer.)
 Scarborough, John A., J. B. Caldwell, and F. Coursey, Paris, Tex. Piston. 1,741,659; Dec. 31.

Scarlett, George B., assignor to The Glacfer Corporation, Kennett Square, Pa. Insulating wrapper. 1,741,377; Dec. 31.

Schäfer, Werner, Laupen, near Bern, assignor to Chocolat Tobler Holding Co., Aktiengesellschaft, Schaffhausen, Switzerland. Keyboard for typewriting machines, typesetting machines, or the like. 1,742,152; Dec. 31.

Schaff, Arthur, Valparaiso, Ind. Replaceable clinker book. 1,741,587; Dec. 31.

Scheidegger, Henry A., Edgewater, assignor of one-half to The McMurtry Manufacturing Company, Denver, Colo. Glass-grooving machine. 1,742,101; Dec. 31.

Schenck, Joseph, Wichita, Kans. Lister. 1,741,794; Dec. 31.

Schneider, Gustav A., Bramley, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Friction clutch. 1,741,438; Dec. 31.

Schmidt, Emil, Leipzig, Germany. Machine for the mechanical production of paper cups pressed in folds. 1,741,584; Dec. 31.

Schmidt, Friedrich J., Auburn, assignor to Bender Hoist Manufacturing Company, Omaha, Nebr. Hoisting and lifting crane. 1,741,660; Dec. 31.

Schmidt, Wilhelm, and O. Hartmann, Cassel-Wilhelms-höhe, Germany, assignors to Schmidt'sche Heissdampf-Gesellschaft m. b. H. Process and apparatus for obtaining power and heat from steam. 1,741,378; Dec. 31.

Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Schmidt, W., and Hartmann, assignors.)

Schmieder, Johannes M., Gross Lichterfelde, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Apparatus for obviating network noises. 1,741,480; Dec. 31.

Schmieder, Johannes M., Lichterfelde, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Preglow gas-discharge tube. 1,741,481; Dec. 31.

Schmitt, Otto G., assignor to The Scholl Mfg. Co. Inc., Chicago, Ill. Metal-polishing machine. 1,741,169; Dec. 31.

Schneider, Walter C., Detroit, Mich. Starter motor drive. 1,741,251; Dec. 31.

Schneider, William, Erie, Pa., assignor to Hays Manufacturing Co. Handle attachment. 1,741,588; Dec. 31.

Schnell, Emil and P. Glendale, Long Island, N. Y. Laundry machinery lock. 1,741,661; Dec. 31.

Schnell, Philip. (See Schnell, Emil and P.)

Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Corner light for an automotive vehicle. 80,245; Dec. 31.

Scholl Mfg. Co. Inc., The. (See Schmitt, Otto G., assignor.)

Scholl, William M., Chicago, Ill. Orthopedic sock. 1,741,340; Dec. 31.

Scholl, William M., Chicago, Ill. Arch support. 1,741,341; Dec. 31.

Schoonenberg, Pancras, assignor to Naamloze Vennootschap Internationale Oetoolbureau, Eindhoven, Netherlands. Process and apparatus for sealing off a hollow glass body from an annular glass body. 1,741,662; Dec. 31.

Schoor, Samuel, Newark, N. J. Resilient wheel. 1,741,344; Dec. 31.

Schramm, Albert O., St. Louis, Mo., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Stretching and drying frame. 1,741,541; Dec. 31.

Schramm, Albert O., and J. H. Schreiber, St. Louis, Mo., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Machine for raising nap on textiles and the like. 1,741,542; Dec. 31.

Schreiber, John H. (See Schramm, A. O., and Schreiber.)

Schulze, John W., Providence, R. I. Cigar lighter. 1,741,956; Dec. 31.

Schwartz, Samuel, Albany, N. Y. Necktie. 1,741,345; Dec. 31.

Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Panel for driers. 1,741,342; Dec. 31.

Schwendt, Christian J. (See John, K. B., Coslow, and Schwendt.)

Scott, Edwin L., et al. (See Marlon, Frank, assignor.)

Scott, Walter A., River Forest, Ill., and K. A. Prouty, Hermosa Beach, Calif. Charcoal chewing gum. 1,741,589; Dec. 31.

Scovell Manufacturing Company. (See Fenton, Paul E., assignor.)

Seagles, Ernest, Washington, D. C. Tool cabinet for butchers. 1,742,102; Dec. 31.

Security Trust Company. (See Long, Elmer C., assignor.)

Sedholm, John E., and F. E. B. Foley, St. Paul, Minn. Urethro-cystoscopic instrument. 1,741,740; Dec. 31.

Sedlmair, Michael, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Cooling device for the reversing stator blades of turbines. 1,741,957; Dec. 31.

Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Automatic control system. 1,742,151; Dec. 31.

Schulmer Paper Company, The. (See Johnson, Samuel J., assignor.)

Selden Company, The. (See Jaeger, Alphonso O., assignor.)

Selden Research & Engineering Corporation, The. (See John, K. B., Coslow, and Schwendt, assignors.)

Selden Research & Engineering Corporation, The. (See Metzsch, Kurt F., assignor.)

Selwood, Richard M. (See Paul, Julius, assignor.)

Seng Company, The. (See Fox, Martin, assignor.)

Seybold, Charles, assignor to The Seybold Machine Company, Dayton, Ohio. Safety stopping device. 1,741,439; Dec. 31.

Seybold Machine Company, The. (See Seybold, Charles, assignor.)

Shapiro, Michael, Brooklyn, N. Y. Window stop. 1,741,262; Dec. 31.

Sharples Specialty Company, The. (See Bath, Wilmer H., assignor.)

Sharples Specialty Company. (See Clark, Lee H., assignor.)

Shaver, Archibald G., Chicago, Ill., and F. M. Rosenzweig, Niagara Falls, N. Y., assignors to The Regan Safety Devices Company, Inc., New York, N. Y. Induction train-control system. 1,741,440; Dec. 31.

Shawker, Frank F., Toledo, Ohio. Massage implement. 1,741,795; Dec. 31.

Shawmut Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)

Sheaffer, W. A., Pen Company. (See Johnson, Edward E., assignor.)

Shelrs, William J., Brooklyn, N. Y. Cushion frame for tires. 1,741,441; Dec. 31.

Sherman, Francis H., Palmer, Mass. Filler for cartons or other containers. 1,741,741; Dec. 31.

Sherman, John Q., and A. W. Metzger, Dayton, Ohio, assignors to The Standard Register Company. Manifold register. 1,741,442; Dec. 31.

Shields, Charles E. (See Perks, C., Shields, and Murray.)

Shoe Form Co., The. (See De Witt, William J., assignor.)

Shoe Products, Inc. (See Jones, George A., assignor.)

Shogren, Charles A., assignor, by mesne assignments, to Art Metal Screen and Weather Strip Company, Chicago, Ill. Metal frame for screens. 1,741,958; Dec. 31.

Sholtes, Peter, Youngstown, Ohio. Gauge attachment. 1,742,103; Dec. 31.

Slalco, Incorporated. (See Kraus, Charles E., assignor.)

Signal Gesellschaft mit beschränkter Haftung. (See Hecht, H., and Rudolph, assignors.)

Simons, Walter B., assignor to The Geo. L. Squier Mfg. Co., Buffalo, N. Y. Rasping drums for decorating machines and process of decorating. 1,741,543; Dec. 31.

Stclair Refining Company. (See Bell, John E., assignor.)

Skelton, Harland R., Nantasket, and T. J. O'Brien, Hull, Mass. Fishing tackle. 1,741,253; Dec. 31.

Skillman, Verne, Highland Park, assignor to Bohm Aluminum & Brass Corp., Detroit, Mich. Tuning bearing shells and the like. 1,741,204; Dec. 31.

Skinner Automotive Device Co. (See Skinner, Ralph L., assignor.)

Skinner Irrigation Company, The. (See Coles, Walter H., assignor.)

Skinner, Ralph L., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich. Oil rectifier. 1,741,482; Dec. 31.

Skinner, Ralph L., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich. Internal combustion engine oil distillator. 1,741,483; Dec. 31.

Skoldberg, Ernest W., New York, N. Y. Life preserver. 1,742,104; Dec. 31.

Skotnik, Samuel, Bronx, N. Y. Condiment shaker. 1,741,742; Dec. 31.

Slade, Edward, New York, N. Y. Strand and brake lining and making the same. 1,741,443; Dec. 31.

Slade, Edward, New York, N. Y. Brake system and mechanism. 1,741,796; Dec. 31.

Single, Edgar A., Trenton, and B. M. O'Harra, Westfield, N. J., assignors to American Smelling and Refining Company, New York, N. Y. Briquetting flue dust. 1,741,544; Dec. 31.

Slate Aircraft Corporation. (See Slate, Thomas B., assignor.)

Slate, Thomas B., Arcadia, Calif., assignor to Slate Aircraft Corporation. Steam turbine. 1,741,379; Dec. 31.

Slider, Jesse A., and B. S. Goodwin, Lamar, Colo. Water strainer for engine cooling systems. 1,741,444; Dec. 31.

Sloan, Henry L. (See Pratt, L. E., and Sloan.)

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Cable-reel locomotive. 1,742,012; Dec. 31.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mine-locomotive safety device. 1,742,013; Dec. 31.

Smith, George G., and G. G. Stoup, Franklin, Va. Automobile jack. 1,741,343; Dec. 31.

Smith, George L., Boston, Mass. Fastening device. 1,742,014; Dec. 31.

Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method and apparatus for utilizing waste heat. 1,741,663; Dec. 31.

Smith, Hurlburt W., et al. (See Meldrum, Alexander, assignor.)

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,741,545; Dec. 31.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,741,664; Dec. 31.

Smith, L. C. & Corona Typewriters Inc. (See Avery, H. A., Petermann, and Harmon, assignors.)

Smith, L. C. & Corona Typewriters Inc. (See Ely, Alonzo B., assignor.)

Smith, Leatham D., Sturgeon Bay, Wis. Self-unloading apparatus for cargo carriers. 1,741,167; Dec. 31.

Smith, S. Morgan, Company. (See Syvertsen, Harald, assignor.)

Smith, Theodore L., assignor to The Cattle Brothers Company, Detroit, Mich. Locking clamp for outboard motors. 1,741,205; Dec. 31.

Smith, Wilbert L., et al. (See Meldrum, Alexander, assignor.)

Smith, Wilson A., assignor to Cribben & Sexton Company, Chicago, Ill. Gas range. 1,741,885; Dec. 31.

Snelling, Walter O., and C. B. Koch, Allentown, Pa., assignors to Trojan Powder Company, New York, N. Y. Manufacture of cordeau. 1,741,380; Dec. 31.

Société Anonyme des Manufactures des Glaces & Produits Chimiques de St-Gobain, Chauny & Cirey. (See Long, Bernard, assignor.)

Société Anonyme Française dite: Compagnie Industrielle des Moteurs à Explosion, C. I. M. E. (See Perrier, Daniel, assignor.)

Speck, William C., E. Barker, A. E. Whipple, and A. H. D'cker, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Apparatus for cleaning castings. 1,741,959; Dec. 31.

Speck, William C., and E. Parker, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Apparatus for cleaning castings. 1,741,960; Dec. 31.

Spencer, Owen H., Indianapolis, Ind. Vehicle body and tire carrier combined. 1,741,346; Dec. 31.

Spillane, James D., Bronx, assignor to The Constantator Co., Inc., New York, N. Y. Motive-power regulator. 1,741,381; Dec. 31.

Spoor, John R., Kalamazoo, Mich. Stock-controlling means for paper-making machines. 1,741,347; Dec. 31.

Squier, Geo. L., Mfg. Co., The. (See Simons, Walter B., assignor.)

Stackhouse, Thomas H., Wilmington, Del. Motor fuel. 1,741,206; Dec. 31.

Standard Gage Company. (See Aldeborgh, Erik H., assignor.)

Standard Oil Company of California. (See Chappell, M. L., and Ziser, assignors.)

Standard Oil Development Company. (See Weller, D. R., and Link, assignors.)

Standard Parts Corporation. (See Utley, Albert A., assignor.)

Standard Pressed Steel Co. (See Halliwell, Howard T., assignor.)

Standard Register Company, The. (See Sherman, J. Q., and Metzger, assignors.)

Starke, Emil O., Oak Park, Ill. Fretted string instrument. Des. 80,246; Dec. 31.

Staunton, Le Roy W., Jackson Heights, N. Y., assignor to Brandes Laboratories, Inc., Newark, N. J. Sound reproducer. 1,742,016; Dec. 31.

Stearns & Foster Company, The. (See Nash, Benjamin S., assignor.)

Steel and Tubes, Inc. (See Harvey, Harry E., assignor.)

Steel and Tubes, Inc. (See Vincent, Frank P., assignor.)

Steln, Norris, and A. S. Levin, Philadelphia, Pa. Leg construction for water coolers. 1,741,961; Dec. 31.

Stelner, Joseph C., assignor, by mesne assignments, to Hussmann-Ligoni Company, St. Louis, Mo. Slicing machine. 1,742,105; Dec. 31.

Sterling Range and Furnace Corporation. (See Reck, Maurus C., assignor.)

Stern, Louis, Company. (See Kraemer, August F., assignor.)

Stertzach, Harry W. (See Johnson, G. T., and Stertzach.)

Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Grooving tool. 1,741,797; Dec. 31.

Stevenson, William B., Moorestown, N. J., assignor to Victor Talking Machine Company. Radiocabinet. Des. 80,247; Dec. 31.

Stevenson, William B., Moorestown, N. J., assignor to Victor Talking Machine Company. Cabinet for sound producing and reproducing instruments. Des. 80,248; Dec. 31.

Stewart, Laurence E., Bradford, Pa., assignor to Rolland Glass Company, Clarksburg, W. Va. Sheet-glass manufacture. 1,741,886; Dec. 31.

Stewart Manufacturing Corporation. (See Will, W. O., and Carlson, assignors.)

Stiles, William H., P. F. Wagener, and J. P. Donovan, Cleveland, Ohio, assignors to General Electric Company. Sealing machine for incandescent lamps and similar materials. 1,742,153; Dec. 31.

Stocker, Hattie V. G., New York, N. Y. Safety device for automobiles. 1,741,484; Dec. 31.

Stokes, Charles L., Los Angeles, Calif. Purifying lubricating oil. 1,741,348; Dec. 31.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Coating apparatus. 1,741,382; Dec. 31.

Stokes and Smith Company. (See Federwitz, Theodore A., assignor.)

Stokes and Smith Company. (See Stokes, John S., assignor.)

Stone, William H., Goodland, Kans. Lifting jack. 1,742,106; Dec. 31.

Stopp, William D., et al. (See Butler, Thomas H., assignor.)

Stoup, George G. (See Smith, G. G., and Stoup.)

Stratford, Charles W., San Francisco, Calif. Centrifugal separator and valve therefor. 1,741,207; Dec. 31.

Stratford, Charles W., and W. S. James, San Francisco, Calif. Apparatus for refining oil. 1,741,887; Dec. 31.

Straubel, Frederick L. G., assignor to The Automatic File & Index Co., Green Bay, Wis. Follower for card trays. 1,741,743; Dec. 31.

Strotz, Carl G., St. Louis, Mo. Refrigerator latch. 1,741,546; Dec. 31.

Stubblefield, John A., Bay City, assignor of one-half to A. E. Myers, Condon, Oreg. Valve construction. 1,742,107; Dec. 31.

Stumpf, Walter, Baltimore County, assignor to The Black & Decker Manufacturing Company, Towson, Md. Trigger switch. 1,741,383; Dec. 31.

Sullivan Machinery Company. (See Gartin Elmer G., assignor.)

Sullivan Machinery Company. (See Hofstra, Wiebe S., assignor.)

Sullivan Machinery Company. (See Holmes, Morris P., assignor.)

Sullivan Machinery Company. (See Maxson, Louis A., assignor.)

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)

Sullivan, Ralph R., Oakland, Calif., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Screw driver. 1,741,349; Dec. 31.

Sun Rubber Company, The. (See Lower, Melvin S., assignor.)

Sundock, Philip, assignor, by mesne assignments, to L. Gordon, Brooklyn, N. Y. Sanitary toilet-seat-cover dispenser. 1,741,798; Dec. 31.

Superlold Manufacturing Company. (See Levy, Arthur M., assignor.)

Sutherland, Alexander K., assignor to Moe-Bridges Company, Milwaukee, Wis. Shade holder. 1,741,547; Dec. 31.

Swartz, Howard W., Galesburg, Ill. Bathroom fixture. 1,742,050; Dec. 31.

Swann, William B., Kokomo, Ind. Forming drum tires. 1,741,208; Dec. 31.

Swift, Edwin J., New Rochelle, assignor of one-half to C. R. Redgrave, New York, N. Y. Photograph or corner mount. 1,741,350; Dec. 31.

Swindell, Edward H., and F. W. Brooke, assignors to William Swindell & Bros., Pittsburgh, Pa. Furnace and operating the same. 1,741,209; Dec. 31.

Swindell, William, & Bros. (See Swindell, E. H., and Brooke, assignors.)

Symington Company, The. (See Richards, Willard F., assignor.)

Syracuse Washing Machine Corporation. (See Hill, Hermann, assignor.)

Syvertsen, Harald, assignor to S. Morgan Smith Company, Inc., York, Pa. Plate-steel speed ring for hydraulic turbines. 1,741,254; Dec. 31.

Taffie, Thomas, and R. O. Welch, Portland, Oreg.; said Welch assignor to said Taffie. Mileage indicator. 1,741,255; Dec. 31.

Tabulating Machine Company, The. (See Ford, Eugene A., assignor.)

Tabulating Machine Company, The. (See Kleckler, Harry, assignor.)

Tallaferro, Thomas L. (See Dewey, R., and Tallaferro.)

Tanner Engineering Company, The. (See Tanner, Harry L., assignor.)

Tanner, Harry L., Brooklyn, assignor to The Tanner Engineering Company, Inc., Long Island City, N. Y. Electrical indicating instrument. 1,741,590; Dec. 31.

Tasman, George, Brooklyn, N. Y. Automobile door construction. 1,741,384; Dec. 31.

Tatter, John W., Oak Park, Ill. Pump. 1,741,591; Dec. 31.

Taylor, Albert H., and A. Crossley, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. High-frequency oscillation system. 1,741,485; Dec. 31.

Taylor, George F., Schenectady, N. Y., assignor to General Electric Company. Stylus for sound-reproducing machines. 1,741,256; Dec. 31.

Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)

Taylor, Irving A., assignor to Riley Stoker Company, Worcester, Mass. Protected grate block for stokers. 1,741,744; Dec. 31.

Taylor, Robert W., Banning, Calif. Compensating pad for mattresses. 1,742,108; Dec. 31.

Tebo, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Roll for textile machinery. 1,741,351; Dec. 31.

Teetor, Ralph R., Hagerstown, Ind. Piston pin and forming same. 1,742,015; Dec. 31.

Ternstedt Manufacturing Company. (See Schnell, William, assignor.)

Texas Gulf Sulphur Company. (See Kobbé, William H., assignor.)

Theodoropoulos, Aristede A., New York, N. Y. Cleaning and massaging device. 1,741,962; Dec. 31.

Thimmes, George E. (See Greenwald, R. C., and Thimmes.)

Thomas, Edward J., St. Louis, and G. Frankey, Maplewood, Mo. Wall-paper remover. 1,741,257; Dec. 31.
 Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,741,163; Dec. 31.
 Thomas, Percy H., Upper Montclair, N. J. Two-circuit transmission tower. 1,741,963; Dec. 31.
 Thomas, William M., et al. (See Thomas, William M., assignor.)
 Thomas, William M., Los Angeles, Calif. Apparatus for photographically marking film during the exposing thereof. 1,741,386; Dec. 31.
 Thomas, William M., assignor, by mesne assignments, to W. M. Thomas and F. A. Leonard, Los Angeles, Calif. Projector for colored motion pictures. 1,741,385; Dec. 31.
 Thompson, Alfred P. (See Benner, R. C., and Thompson.)
 Thompson, Cleve. (See Thompson, Thurm and C.)
 Thompson, Clifford F., Oak Park, Ill. Stator for induction motors. 1,741,799; Dec. 31.
 Thompson, George K., Summit, N. J. Tile slab. 1,741,745; Dec. 31.
 Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
 Thompson, Thurm and C., Porterville, Calif. Traller truck. 1,741,445; Dec. 31.
 Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Sprinkler head. 1,741,665; Dec. 31.
 Thompson, Wayne B., Winchester, Mass. Spray gun. 1,741,169; Dec. 31.
 Thorndarson Electric Manufacturing Company. (See Pearson, Oscar A., assignor.)
 Tibbets, Charles B., Walpole, and H. L. Sawyer, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,741,486; Dec. 31.
 Tilney, Merritt W., Seattle, Wash. Automobile bed. 1,741,592; Dec. 31.
 Tip's Tool Company. (See Bodendieck, Henry W., assignor.)
 Toeller, George W., assignor to Zulu Toy Manufacturing Company, Inc., Battle Creek, Mich. Lamp. Des. 80,249; Dec. 31.
 Toledo Scale Company. (See Hem, Halvor O., assignor.)
 Toller, Clara H., executrix. (See Goodwin, G. S., and Toller.)
 Tollerton, William J. (See Goodwin, G. S., and Tollerton.)
 Townsend, John S. (See Holmes, L. D., and Townsend.)
 Townom, Frederick, Washington, D. C. Headlight projector. 1,741,888; Dec. 31.
 Trautner, Nicholas W., St. Paul, Minn. Spare-tire lock. 1,741,593; Dec. 31.
 Trevelton, Stephen, Canton, assignor to Central Alloy Steel Corporation, Massillon, Ohio. Open-hearth furnace. 1,741,666; Dec. 31.
 Truett, Louis, Willow Springs, Ill. Toothpick dispenser. 1,741,889; Dec. 31.
 Trojan Powder Company. (See Snelling, W. O., and Koch, assignors.)
 Truett Steel Company. (See Jencks, Hollis W., assignor.)
 Truesdell Steel Doors, Inc. (See Gross, Arthur R., assignor.)
 Turner, Bennett G., Los Angeles, Calif. Auto screen. 1,741,890; Dec. 31.
 Turner, George W., Excelsior Springs, Mo. Airship. 1,741,446; Dec. 31.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion for looms. 1,741,210; Dec. 31.
 Turner Tanning Machinery Company, The. (See Schettler, Gustav A., assignor.)
 Two-Car Transportation Company. (See Gibbs, Leon M., assignor.)
 Tyder, Emil, Evanston, Ill. Valve for sprinkler systems. 1,741,548; Dec. 31.
 Uistrom, Alger K., Minneapolis, Minn., assignor, by mesne assignments, to General Mills, Inc. Electrical control system. 1,741,170; Dec. 31.
 Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
 Union Asbestos & Rubber Co. (See Wild, Rudolf J. R., assignor.)
 Union Special Machine Company. (See Berger, Joseph, assignor.)
 Union Special Machine Company. (See Mann, Joseph, assignor.)
 Union Special Machine Company. (See Moffatt, James R., assignor.)
 Union Steel Products Company. (See Hatch, Charles T., assignor.)
 Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
 Union Switch & Signal Company, The. (See Harwig, Carl G., assignor.)
 United Carr Fastener Corporation. (See Carr, Fred S., assignor.)
 United Carr Fastener Corporation. (See Pierce, Walter H., assignor.)
 United Shoe Machinery Corporation. (See Tibbets, C. B., and Sawyer, assignors.)
 United States Chain & Forging Company. (See McGowen, William R., assignor.)

United States Printing & Lithograph Company, The. (See Burgess Joseph E., assignor.)
 Universal Draft Gear Attachment Co. (See Camp, Percy H., assignor.)
 Universal Fixture Corporation. (See Goldberg, Samuel, assignor.)
 Universal Oil Products Company. (See Egloff, Gustav, assignor.)
 Universal Oil Products Company. (See Huff, Lyman C., assignor.)
 Universal Oil Products Company. (See Pratt, Clifton J., assignor.)
 Universal Optical Corporation. (See Beatty, E. J. R., and Nelson, assignors.)
 Universal Optical Corporation. (See Nelson, John N., assignor.)
 Utches, Nathan L., New York, N. Y. Lighting fixture. 1,741,171; Dec. 31.
 Utley, Albert A., assignor to Standard Parts Corporation, Oak Park, Ill. Striker plate for door latches. 1,741,258; Dec. 31.
 Utz, William A., sr., Cleveland, Ohio. Display desk appliance machine casing or similar article. Des. 80,250; Dec. 31.
 Vallier, Elijah G., Wauwatosa, assignor to Western States Envelope Co., Milwaukee, Wis. Gumming attachment for envelope machines. 1,741,211; Dec. 31.
 Vallon, Cecil N., Cobham, England. Safety razor. 1,741,891; Dec. 31.
 Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Floor plate. 1,741,487; Dec. 31.
 Van Dorn Iron Works Co., The. (See Brockett, Bluford W., assignor.)
 Varkas, Spiros S., New York, N. Y. Aeroplane landing-gear arm. 1,741,964; Dec. 31.
 Yates, John, New York, N. Y. Can and bottle opener. 1,741,259; Dec. 31.
 Vancolin, Charles P., Drexel Hill, and F. E. Merklinger, Philadelphia, Pa. Axle box. 1,741,260; Dec. 31.
 Velt, Walter, New York, N. Y., assignor to Congoleum-Nairn Incorporated. Making linoleum and product thereof. 1,741,488; Dec. 31.
 Vernon, Vernon A., Wellington, New Zealand. Transport vehicle. 1,742,154; Dec. 31.
 Victor Talking Machine Company. (See Stevenson, William B., assignor.)
 Viets, Floyd H., Glendale, and C. H. Welskopf, Hawthorne, assignors to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation. 1,741,362; Dec. 31.
 Vincent, Frank P., Elyria, Ohio, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Brazing. 1,742,017; Dec. 31.
 Vincent, Sidney C., et al. (See Volkman, Frederick C., assignor.)
 Virginia Smelting Company. (See Blinn, Frederick W., assignor.)
 Vitrefax Company, The. (See Curtis, Thomas S., assignor.)
 Vogt, Clarence W., assignor to Vogt Instant Freezers, Inc., Louisville, Ky. Manufacturing ice cream or the like. 1,742,171; Dec. 31.
 Vogt Instant Freezers, Inc. (See Vogt, Clarence W., assignor.)
 Volkman, Frederick C., assignor of one-third to K. H. Klefer and S. C. Vincent, Baltimore, Md. Thermostat. 1,741,892; Dec. 31.
 Vollmer, Frank R., Reading, Pa. Water-cooling unit for electric refrigerators. 1,741,594; Dec. 31.
 Von der Lippe-Lipski, Elaine, Washington, D. C. Preserving perishable goods in storage and transit. 1,742,038; Dec. 31.
 Vonnegut, Ina H., Indianapolis, Ind. Paper box. 1,741,261; Dec. 31.
 Von Nessen, Walter, New York, N. Y., assignor to Efcollite Corporation. Lighting-fixture bracket or article of analogous nature. Des. 80,251; Dec. 31.
 Voss, John H., assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,741,549; Dec. 31.
 Voss, John H., Berwyn, and C. E. Lomax, Oak Park, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,741,746; Dec. 31.
 Wagener, Paul F. (See Stiles, W. H., Wagener, and Donovan.)
 Walt, Henry H., Chesterton, Ind. Armature construction. 1,741,262; Dec. 31.
 Waltkus, Vincent, Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Counting mechanism. 1,741,387; Dec. 31.
 Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread clearer for warp-replenishing looms. 1,741,263; Dec. 31.
 Walch, Ceylon C., Syracuse, N. Y. Garment supporter. 1,741,212; Dec. 31.
 Walker Dishwasher Corporation. (See Walker, Forrest A., assignor.)
 Walker, Forrest A., assignor to Walker Dishwasher Corporation, Syracuse, N. Y. Mechanical dishwasher. 1,741,173; Dec. 31.
 Wall & Ochs, Incorporated. (See Wall, William L., assignor.)
 Wall, William L., assignor to Wall & Ochs, Incorporated, Philadelphia, Pa. Eye-testing apparatus. 1,741,213; Dec. 31.

Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Fiber-board shipping case. 1,741,214; Dec. 31.
 Wappler, Frederick C., New York, N. Y. Transformer. 1,741,265; Dec. 31.
 Wappler, Otto, Philadelphia, Pa. Head lamp. 1,741,264; Dec. 31.
 Wardner, Oel E., assignor to North & Judd Manufacturing Company, New Britain, Conn. Belt buckle. Des. 80,252; Dec. 31.
 Wardner, Oel E., assignor to North & Judd Manufacturing Company, New Britain, Conn. Belt buckle. Des. 80,253; Dec. 31.
 Warshaw, Nathaniel, Mattapan, assignor to Lewis-Shepard Company, Watertown, Mass. Automatic brake-controlling mechanism. 1,741,215; Dec. 31.
 Washburn, Frederick C., New Bedford, Mass. Warp beam. 1,741,890; Dec. 31.
 Watson, Cassius H., assignor to Davis & Garp, Inc., Brooklyn, N. Y. Suture. 1,741,893; Dec. 31.
 Watson, James B., Detroit, Mich. Internal-combustion engine. 1,741,894; Dec. 31.
 Waits, Elmer A., Tulsa, Okla. Oil-well-flowing apparatus. 1,741,489; Dec. 31.
 Web Engineering Company, The. (See Baker, W. E., and Amand.)
 Weber, Louis J., Schenectady, N. Y., assignor to General Electric Company. Electric switch mechanism. 1,742,109; Dec. 31.
 Weber, Mathias J., assignor to Continental Scale Works, Chicago, Ill. Body-measuring device. 1,741,174; Dec. 31.
 Wehr, Earl R., and C. C. Mahlie, assignors to The American Rolling Mill Company, Middletown, Ohio. Metal-coating metal sheets. 1,741,388; Dec. 31.
 Wehrle Company, The. (See Pickup, George E., assignor.)
 Welhe, Charles. (See Welhe, Clyde R., assignor.)
 Welhe, Clyde R., assignor of one-half to C. Welhe, Connelville, Pa. Treating continuously-moving material. 1,742,110; Dec. 31.
 Welshan, Bernhard, Sigmaringen, Germany. Production of soft iron. 1,742,111; Dec. 31.
 Welskopf, Charles H. (See Viets, F. H., and Welskopf.)
 Welch, Robert O. (See Taaffe, T., and Welch.)
 Weller, Daniel R., and L. L. Lunk, Baton Rouge, La., assignors to Standard Oil Development Company. Coking oils. 1,741,895; Dec. 31.
 Welsch, Wilhelm, Berlin-Niederschonhausen, Germany, assignor to General Electric Company. Dynamo-electric-machine armature. 1,742,112; Dec. 31.
 Wendt, Bruno. (See Matthies, O., Dieterle, and Wendt.)
 Wendholz, Walter W., assignor to General Railway Signal Company, Rochester, N. Y. Control means for switch machines. 1,742,113; Dec. 31.
 Wentworth, Pearl J., Fort Thomas, Ky. Making shoes. 1,741,747; Dec. 31.
 Wermlie, Hugo H., Villa Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill. Magnetic bobbin. 1,742,018; Dec. 31.
 West, Horatio G., East Brookfield, assignor to D. Pillsworth, Worcester, Mass. Loom picker. 1,741,353; Dec. 31.
 Western Electric Company. (See Boynton, John E., assignor.)
 Western States Envelope Co. (See Vallier, Elijah G., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Butcher, Charles A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Crichton, L. N., and Goldsborough, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Fletcher, George H., assignor.)
 Westinghouse Lamp Company. (See Ramage, John H., assignor.)
 Westinghouse Lamp Company. (See Rich, Malcolm N., assignor.)
 Whipple, Albert E. (See Speck, W. C., Barker, Whipple, and Dierker.)
 Whirldry Corporation, The. (See Dunham, George W., assignor.)
 Whitaker, Alfred, West Drayton, and M. Bowman-Manifold, Hayes, England. Light-controlling means. 1,742,115; Dec. 31.
 Whitaker, Jonathan and R. Savile Town, Dewsbury, England. Machine for dyeing, scouring, and washing wool and other fibrous materials. 1,742,114; Dec. 31.
 Whitaker, Rufus. (See Whitaker, Jonathan and R.)
 White, Calvin J., St. Ignace, Mich. Tire tool. 1,741,801; Dec. 31.
 White, Charles E., assignor to Deere & Company, Moline, Ill. Planting mechanism. 1,741,216; Dec. 31.
 White, Harry F., Fresno, Calif. Illuminated sign. 1,741,748; Dec. 31.
 White, Richard W., et al. (See Robinson, James W., assignor.)
 Whitehead & Kales Company. (See Putman, Alden L., assignor.)
 Whitehead, Thomas C. (See Greenwald, Harold A., assignor.)
 Whiting Corporation. (See Holmes, L. D., and Townsend, assignors.)
 Whitney, F. A., Carriage Company. (See Ambler, George B., assignor.)

Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission circuits. 1,741,749; Dec. 31.
 Wilcox, Lewis T., Peekskill, N. Y. Water heater. 1,741,175; Dec. 31.
 Wild, Rudolf J. R., assignor to Union Asbestos & Rubber Co., Chicago, Ill. Friction-resistive material for brakes, clutches, or the like. 1,741,896; Dec. 31.
 Wilder, Harold K., assignor to Kellogg Company, Battle Creek, Mich. Continuous mixing machine. 1,741,176; Dec. 31.
 Will, Walter O., and E. Carlson, assignors to Stewart Manufacturing Corporation, Chicago, Ill. Safety guard for power presses. 1,741,177; Dec. 31.
 Willgoos, Andrew V. D., assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Spark-plug cable terminal. 1,741,667; Dec. 31.
 Williams Iron Works Company. (See Lynch, Charles W., assignor.)
 Williams, Samuel G., and E. L. Rusk, Windsor, Mo. Feed trough. 1,742,019; Dec. 31.
 Willrodt, Fred L., Omaha, Nebr. Steering attachment for tractors. Rel7,543; Dec. 31.
 Willys-Overland Company, The. (See Hunt, Warren T., assignor.)
 Wilson, Elihu C., Los Angeles, Calif. Latch. 1,741,389; Dec. 31.
 Wilson, Steven, Cleveland, Ohio, assignor of one-half to T. G. Gregory. Sanitary telephone attachment. 1,741,668; Dec. 31.
 Wilson, William, assignor of one-half to J. Handis, Trenton, N. J. Brake. 1,741,178; Dec. 31.
 Wiles, William S., assignor of fifty per cent to S. W. Frazier, Washington, D. C. Price card and support. 1,741,669; Dec. 31.
 Winchester Repeating Arms Co. (See Burton, Frank F., assignor.)
 Wine Railway Appliance Company. (See Wine, William E., assignor.)
 Wine, William E., Toledo, Ohio. Body bolster. 1,741,897; Dec. 31.
 Wine, William E., assignor to Wine Railway Appliance Company, Toledo, Ohio. Body bolster. Rel7,542; Dec. 31.
 Winslow, William H., Chicago, Ill., assignor to Foster Wheeler Corporation, New York, N. Y. Superheater tube and making same. 1,741,217; Dec. 31.
 Winthrop Chemical Company. (See Pritchett, Rufus H., assignor.)
 Wired Radio, Inc. (See Hough, Clinton W., assignor.)
 Wired Radio, Inc. (See Nicolson, Alexander M., assignor.)
 Wired Radio, Inc. (See Taylor, A. H., and Crossley, assignors.)
 Wise, Solomon, Cincinnati, Ohio. Lock. 1,741,390; Dec. 31.
 Wise, Solomon, Cincinnati, Ohio. Lock for spare wheels. 1,741,391; Dec. 31.
 Witham, George S., Jr., Hudson Falls, N. Y. Moisture indication and control. 1,741,266; Dec. 31.
 Witt, William A., Lake Bluff, assignor to Monroe-Witt Manufacturing Company, North Chicago, Ill. Seal press. 1,741,595; Dec. 31.
 Wolff, Gerhard M. (See Cockerell, Fritz, assignor.)
 Wollstein, Ralph R., Ozone Park, N. Y. Breast supporter. 1,741,898; Dec. 31.
 Woodward, William E., Forest Hills, N. Y. Locomotive. 1,741,670; Dec. 31.
 Woolsey, George A. (See Hare, Franklin C., assignor.)
 Wordingham, George, Milwaukee, Wis. Coat hanger. 1,741,750; Dec. 31.
 Wright, Carr W., Cincinnati, Ohio. Toy baseball game. 1,741,596; Dec. 31.
 Wright, Frank A., Westcliff-on-sea, England. Enabling light to penetrate foggy atmosphere. 1,742,116; Dec. 31.
 Wright, James A., Montreal, Quebec, Canada. Rear-axle assembly. 1,741,550; Dec. 31.
 Yates, William H., New York, N. Y. Electric-lamp fixture. 1,741,965; Dec. 31.
 Young, James C., New York, N. Y. Window box. 1,742,051; Dec. 31.
 Zeldin, William A., assignor to Hurlburt Research Corporation, New York, N. Y. Plutite for scissors. 1,741,808; Dec. 31.
 Zeiss, firm Carl. (See Kuhl, Theodor, assignor.)
 Zeiss, firm Carl. (See Merté, Willy, assignor.)
 Zilliox, John, assignor to Park Metalware Co. Inc., Orchard Park, N. Y. Clamp for electrical cables. 1,741,804; Dec. 31.
 Zimmermann, James G., Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company. Rheostatic circuit-controlling apparatus. 1,741,802; Dec. 31.
 Zink, Roy H. (See Crane, C. R., 2d, and Zink.)
 Ziser, George J. (See Chappell, M. L., and Ziser.)
 Zuckeweller, Gustave C., San Diego, Calif. Combined eighth bend and clean-out pipe fitting. 1,741,899; Dec. 31.
 Zuger, Julius, Zug, Switzerland, assignor to Landis & Gyr A.-G. Meter and magnet core. 1,741,751; Dec. 31.
 Zulu Toy Manufacturing Company. (See Toeller, George W., assignor.)
 Zwickel, William A., Ozone Park, assignor to Richard A. Rutherford Co., Inc., New York, N. Y. Ticker attachment. 1,741,267; Dec. 31.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF DECEMBER, 1929

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, releases, and designs.

Accounting machine. J. R. Peirce. 1,741,201; Dec. 31.
Acid alkyl esters. New process of preparing phenyl oxalyl acetate. R. H. Pritchett. 1,741,877; Dec. 31.
Acid manufacture of glyoxal and glycolic. E. E. Ayres, Jr. 1,741,394; Dec. 31.
Acid process. Contact sulphuric. A. O. Jaeger. 1,741,310; Dec. 31.
Advertising device. G. R. Boulding. 1,741,914; Dec. 31.
Advertising device. L. E. Pratt and H. L. Sloan. 1,741,434; Dec. 31.
Aeroplane. S. Dolimascio. 1,741,817; Dec. 31.
Aeroplane. Variable lift wing for. H. G. Keller. 1,741,982; Dec. 31.
Air-brake switch. Disconnecting. T. F. Johnson, Jr. 1,741,079; Dec. 31.
Air-brake switch. Disconnecting. T. F. Johnson, Jr. 1,741,143-4; Dec. 31.
Air-conditioning apparatus. T. E. Murray. 1,741,726; Dec. 31.
Air-cooled block. Circulating. J. E. Anderson. 1,741,180; Dec. 31.
Aliphatic propelling mechanism. F. Heldbreder. 1,741,517; Dec. 31.
Aliphatic. Auxiliary sustaining and propelling means for. J. M. Berry. 1,741,123; Dec. 31.
Airship. G. W. Turner. 1,741,446; Dec. 31.
Airship. Dirigible. L. L. Hansen. 1,741,699; Dec. 31.
Alkaline chlorides. Apparatus for electrolyzing chiefly. A. F. H. Dupire. 1,741,290; Dec. 31.
Alloy. J. V. O. Palm. 1,741,733; Dec. 31.
Alloy. Tungsten-tantalum. J. H. Ramage. 1,741,953; Dec. 31.
Amusement ride. H. F. Maynes. 1,741,245-6; Dec. 31.
Anchor. T. Birkenmaier. 1,742,162; Dec. 31.
Anchor. W. O. Isaacson. 1,741,778; Dec. 31.
Antidote apparatus. G. A. Brooks. 1,741,609; Dec. 31.
Apparel. Sanitary wearing. L. J. Rich. 1,741,881; Dec. 31.
Applying work and making the same. Hemstitched. M. Fixer. 1,741,620; Dec. 31.
Armature construction. H. H. Walt. 1,741,262; Dec. 31.
Armature. Dynamo-electric machine. W. Welsch. 1,742,112; Dec. 31.
Asbestos ore. Refining. F. A. Mett. 1,741,869; Dec. 31.
Auto screen. H. G. Turner. 1,741,890; Dec. 31.
Automobile dressing room. W. C. Lundstrom. 1,741,424; Dec. 31.
Automobile jack. G. G. Smith and G. G. Stoup. 1,741,343; Dec. 31.
Automobile. Safety device for. H. V. G. Stocker. 1,741,481; Dec. 31.
Awning. Automobile. G. A. Roth. 1,741,202; Dec. 31.
Axle assembly. Rear. J. A. Wright. 1,741,550; Dec. 31.
Axle box. C. P. Vaucalin and F. E. Merklinger. 1,741,260; Dec. 31.
Axle. Coaster-wagon rear. A. C. Carlson. 1,741,142; Dec. 31.
Axminster setting frame. G. Crossland. 1,741,828; Dec. 31.
Bag. See—
Shopping bag.
Bag machine. Paper. A. C. and T. E. Coty. 1,742,174; Dec. 31.
Ball joint. H. S. Burnham. 1,741,975; Dec. 31.
Bean cutter. F. L. Orr. 1,741,709; Dec. 31.
Bearings. Thrust. A. J. Brown. 1,741,822; Dec. 31.
Bed. Automobile. M. W. Tilney. 1,741,592; Dec. 31.
Bed. Convertible chair. C. C. Kusterer. 1,741,102; Dec. 31.
Bed sections. Connector for. M. Fox. 1,742,189; Dec. 31.
Bedspring. J. P. Hise. 1,742,035; Dec. 31.
Belt guide. G. Le Rud. 1,741,852; Dec. 31.
Bending machine. G. H. Case. 1,742,056; Dec. 31.
Beverage and preparing the same. C. Horix. 1,741,773; Dec. 31.
Binder. Corn. G. H. Holtz. 1,741,938; Dec. 31.
Binder. Loose-leaf. J. Belohlavek. 1,741,909; Dec. 31.
Binding. A. Aaron and S. Benjamin. 1,742,117; Dec. 31.
Block. See—
Air-cooled block.
Board. See—
Display board. Ironing board.
Boat. Hand-propelled paddle. J. H. Rathbone and H. Rathbone. 1,741,879; Dec. 31.
Body bolster. W. E. Wine. 1,741,542; Dec. 31.
Body bolster. W. E. Wine. 1,741,597; Dec. 31.
Boiler. See—
Locomotive boiler. Steam boiler.
Series boiler.
Bolt and nut lock. M. J. Henry. 1,741,234; Dec. 31.

xxxii

ALPHABETICAL LIST OF INVENTIONS.

xxxiii

Cartridge. R. J. Alden. 1,741,900-1; Dec. 31.
Case. See—
Shipping case.
Case for saddles. Shipping and display. M. H. Hellman. 1,741,771; Dec. 31.
Cash-franking machine. W. Friedrichs. 1,741,927; Dec. 31.
Casing. Sausage. F. H. Hoy. 1,741,239; Dec. 31.
Casing. Stove. H. Herrenbruck. 1,741,297; Dec. 31.
Casket. Burial. J. E. Carlson. 1,742,130; Dec. 31.
Castings. Apparatus for cleaning. W. C. Speck and E. Barker. 1,741,960; Dec. 31.
Castings. Apparatus for cleaning. W. C. Speck, E. Barker, A. E. Whipple, and A. H. Dierker. 1,741,959; Dec. 31.
Catalytic apparatus. A. O. Jaeger. 1,741,309; Dec. 31.
Cellulose fiber for the manufacture of cellulose derivatives. Production of high-alpha. G. A. Richter. 1,741,840; Dec. 31.
Cement. Making fused. R. Bruhn. 1,741,973; Dec. 31.
Centrifugal machine. W. H. Bath. 1,741,395-8; Dec. 31.
Centrifugal separator. D. Perrier. 1,742,095-6; Dec. 31.
Chain. A. H. Barrowman. 1,741,271; Dec. 31.
Chain tightener. C. W. Lynch. 1,741,785; Dec. 31.
Chandelier. L. C. Doane and A. B. Megraw. 1,741,408; Dec. 31.
Check-controlled mechanism. M. H. Richardson and A. E. Gebert. 1,742,010; Dec. 31.
Chlorination. E. E. Ayres, Jr. 1,741,393; Dec. 31.
Chock for railway cars. F. Catignani. 1,741,013; Dec. 31.
Choker hook. G. F. Hickok. 1,741,463; Dec. 31.
Chromium. Obtaining. M. N. Rich. 1,741,955; Dec. 31.
Churn. N. J. Adams. 1,742,118; Dec. 31.
Cigarette case and lighter. Combined. J. Mara. 1,741,867; Dec. 31.
Circuit-controlling apparatus. Rheostatic. J. G. Zimmermann. 1,741,802; Dec. 31.
Circuit interrupter. Oil. C. Aalborg. 1,741,966; Dec. 31.
Circuit making and breaking apparatus. Thermostatic. A. Albert. 1,741,599; Dec. 31.
Circuits. Protective device for electric. H. M. Bascom. 1,741,356; Dec. 31.
Clamp. See—
Screw clamp.
Clamp for electrical cables. J. Zilliox. 1,741,804; Dec. 31.
Clamp plate. W. Meyerhuber. 1,742,042; Dec. 31.
Clamping die blocks. C. A. Hudson. 1,741,302; Dec. 31.
Clamping tools in handpieces. Device for tightly. W. Pannwitz. 1,741,734; Dec. 31.
Clarifier. C. V. Fuqua. 1,741,187; Dec. 31.
Cleaner. See—
Terminal cleaner.
Cleaning and massaging device. A. A. Theodoropoulos. 1,741,962; Dec. 31.
Cleaning and scouring device. O. S. Case. 1,741,223; Dec. 31.
Cleaning machine. Fiber. F. P. Gardner. 1,741,765; Dec. 31.
Clip. See—
Hair clip.
Clipper. Grass. R. F. Huxman. 1,741,172; Dec. 31.
Clock. Perch. C. G. Richardson. 1,742,170; Dec. 31.
Clocks and watches. Center friction for. W. E. Porter. 1,741,952; Dec. 31.
Closure and pouring spout. Combined. H. Brucker. 1,741,972; Dec. 31.
Closure cap. A. Ornberg. 1,742,090; Dec. 31.
Cloth-cutting machine. W. L. Moss. 1,742,047; Dec. 31.
Clothes drier. W. J. Coulter. 1,741,289; Dec. 31.
Clothing. Card. F. Achilles. 1,741,597; Dec. 31.
Clutch. S. Elliot. 1,741,688; Dec. 31.
Clutch. Friction. G. A. Schettler. 1,741,438; Dec. 31.
Clutch. Spindle. G. H. Magrath. 1,741,197; Dec. 31.
Clutch. Tug-wheel. E. R. Hornbeck and H. K. Holt. 1,741,629; Dec. 31.
Coat hanger. G. Wordingham. 1,741,750; Dec. 31.
Coating apparatus. J. S. Stokes. 1,741,382; Dec. 31.
Coating apparatus. C. B. Tibbetts and H. L. Sawyer. 1,741,486; Dec. 31.
Coating machine. C. T. Hatch. 1,741,155; Dec. 31.
Coll mounting. Refrigerator. C. L. Johnson. 1,741,989; Dec. 31.
Colls. Winding. P. Bolls. 1,741,220; Dec. 31.
Coin detector and eliminator. Sound-operated. D. E. Courtney. 1,741,978; Dec. 31.
Collar stiffener. Shirt. J. H. Janowitch. 1,741,311; Dec. 31.
Columns and the like. Making. A. E. Lingo. 1,741,704; Dec. 31.
Combustion-chamber construction. G. Brain. 1,741,147; Dec. 31.
Come-along-operating device. C. C. Coon and H. H. Minor. 1,741,288; Dec. 31.
Communicating system. High-frequency. H. B. Babson and G. W. Ankersen. 1,741,493; Dec. 31.
Composite articles. Apparatus for producing. J. E. Boynton. 1,741,813; Dec. 31.
Compound switch. H. J. L. Frank. 1,741,227; Dec. 31.
Compressor driven by internal-combustion engines. T. K. A. Nordensson. 1,741,731; Dec. 31.
Condensation products from olefins and hydrocarbons of the naphthalene series and making same. R. Michel. 1,741,548; Dec. 31.
Condensation products. Manufacture of. R. Michel. 1,741,473; Dec. 31.
Condenser. G. A. Gillen. 1,741,152; Dec. 31.
Condiment shaker. S. Skotnik. 1,741,742; Dec. 31.
Conductor for signaling purposes. Electric. U. Meyer. 1,741,644; Dec. 31.
Cone remover and trimmer. E. Rolker. 1,741,656; Dec. 31.
Connecting rod. F. H. Godfrey. 1,741,621; Dec. 31.
Connection for wrench sockets and the like. Detachable. W. S. Bellows. 1,741,969; Dec. 31.
Container. W. E. Benson. 1,741,009; Dec. 31.
Container. Felted fibrous. R. E. Hall. 1,742,073; Dec. 31.
Container. Food. A. C. Gardner. 1,742,066; Dec. 31.
Container for imparting radium emanations to fluids. S. Bryan. 1,742,216; Dec. 31.
Container. Paper. E. C. Angell. 1,741,490; Dec. 31.
Continuous-settling apparatus. S. I. Bousman. 1,741,408; Dec. 31.
Control device. Automatic. C. A. Otto. 1,742,091; Dec. 31.
Control system. Automatic. H. T. Seeley. 1,742,151; Dec. 31.
Controller. A. R. Sanborn. 1,741,163; Dec. 31.
Conveyer. A. E. Crady. 1,741,616; Dec. 31.
Conveyer. F. A. Hansen. 1,741,516; Dec. 31.
Conveyer. F. A. Hansen. 1,741,624; Dec. 31.
Cooker. Automatic pressure. G. J. Meyer. 1,741,579; Dec. 31.
Cooler and dispenser. Bottle. F. M. Graham. 1,741,563; Dec. 31.
Cooling device for the reversing stator blades of turbines. M. Sedlmair. 1,741,957; Dec. 31.
Cooling device. Milk. S. Adams. 1,742,119; Dec. 31.
Cooling means for engine pistons. N. Elliott. 1,742,028; Dec. 31.
Cooling system. W. T. Hunt. 1,741,464; Dec. 31.
Cord-forming apparatus. L. Atwood. 1,742,172; Dec. 31.
Cordeau. Manufacture of. W. O. Snelling and C. B. Koch. 1,741,880; Dec. 31.
Cornets. Damping device for. O. Gantner. 1,741,835; Dec. 31.
Cot. Invalid's. P. Hunter. 1,741,717; Dec. 31.
Cotton-cleaner beater shaft. J. B. Brennan. 1,742,129; Dec. 31.
Counting mechanism. V. Waitkus. 1,741,387; Dec. 31.
Coupling for conduit-outlet boxes. C. H. Bissell. 1,741,358; Dec. 31.
Coupling for tractor vehicles. Trailer. G. Pohlmann. 1,741,654; Dec. 31.
Cover. Garment-hanger. S. J. Johnson. 1,741,777; Dec. 31.
Covering. Sulphur-containing. W. H. Kobbé. 1,741,522; Dec. 31.
Crane. Hoisting and lifting. F. J. Schmidt. 1,741,660; Dec. 31.
Crating. E. F. Lau. 1,741,241; Dec. 31.
Crib. Screened folding. R. G. Rumsey. 1,742,011; Dec. 31.
Cup. See—
Diet cup. Sponge cup.
Cup dispenser. H. Moore. 1,741,474; Dec. 31.
Curler. Permanent-waving hair. W. S. Lewis. 1,742,177; Dec. 31.
Current collector. E. A. Larsson. 1,742,086; Dec. 31.
Current-equalizing device. E. W. Niles. 1,741,375; Dec. 31.
Current rectifier. E. Friederich and W. Meyer. 1,741,291; Dec. 31.
Current system. Carrier. W. R. G. Baker. 1,741,213; Dec. 31.
Cushion construction. F. Kaspar. 1,741,847; Dec. 31.
Cutter. See—
Bean cutter. Wire cutter.
Cutter mold. Sandwich-bread slicer. M. F. Desmond. 1,741,682; Dec. 31.
Cutters. Method of and machine for relieving. J. Edgar. 1,741,759; Dec. 31.
Cutting and winding machine. Roll. E. Jagenberg. 1,741,520; Dec. 31.
Cutting machine. H. W. Krag. 1,741,780; Dec. 31.
Cutting machine. Cheese. M. L. Ast. 1,741,753; Dec. 31.
Cutting machine. Coll. O. A. Pearson. 1,741,711; Dec. 31.
Cutting or sawing carcasses of dead animals. Appliance for. E. Buchwald. 1,741,554; Dec. 31.
Cyanamid. Producing. G. Barsky and P. W. Griffith. 1,741,674; Dec. 31.
Cylinder. Engine. J. Radloff. 1,742,097; Dec. 31.
Davenport. J. Gombar. 1,741,153; Dec. 31.
Deck for cooling towers. J. P. Barry. 1,741,495; Dec. 31.
Decorating flexible material. C. A. Hanington. 1,741,770; Dec. 31.
Decorative surfaces. Producing. L. P. Dickey. 1,741,683; Dec. 31.
Decorticating machines and process of decorticating. Rasp-ing drum for. W. B. Simmons. 1,741,543; Dec. 31.
Dental appliance. H. R. Jones. 1,742,080; Dec. 31.
Deodorizing and dehumidifying composition and making same. H. J. Davenport. 1,741,921; Dec. 31.
Deplegator or fractionating column. L. C. Huff. 1,741,519; Dec. 31.
Depth-indicating device. H. W. King. 1,742,084; Dec. 31.
Detector. See—
Short-circuit detector.
Deviation and distance integrating apparatus. Automatic. E. L. Holmes. 1,741,713; Dec. 31.
Device for cleaning meat from bones. L. S. Pearl. 1,741,332; Dec. 31.

Diaphragm for acoustical apparatus. H. Hecht and W. Rudolph. 1,741,841; Dec. 31.
Die construction, Straightening. L. Bortkewicz. 1,741,278; Dec. 31.
Die-holding means for metal heading and trimming machines. T. H. Bauck. 1,742,022; Dec. 31.
Diet cup, Rodent or the like. H. Levine. 1,741,194; Dec. 31.
Dimmer glass. J. L. Rollins. 1,742,049; Dec. 31.
Direction indicator. A. Kessel. 1,741,180; Dec. 31.
Dishwasher, Mechanical. F. A. Walker. 1,741,173; Dec. 31.
Dishwashing machine. J. H. Montgomery. 1,741,329; Dec. 31.
Disk rolling mill. J. W. Hughes. 1,741,715; Dec. 31.
Dispenser. C. S. McNally. 1,741,326; Dec. 31.
Dispenser, Sanitary-toilet-seat-cover. P. Sundock. 1,741,798; Dec. 31.
Dispenser, Toothpick. L. Trnovec. 1,741,889; Dec. 31.
Dispensing and measuring device. W. S. Naylor. 1,741,479; Dec. 31.
Dispensing device. T. Christian. 1,742,157; Dec. 31.
Dispensing device. H. Moore. 1,741,475; Dec. 31.
Display board, Advertising. A. W. Engel. 1,741,560; Dec. 31.
Display carton. F. Reichel. 1,741,655; Dec. 31.
Display device. R. O. Berke. 1,742,164; Dec. 31.
Display device. L. C. Rau. 1,741,880; Dec. 31.
Display device, Window. C. DeForest. 1,741,980; Dec. 31.
Distributing pulverized fuel, Method of and apparatus for. G. W. Denison. 1,741,184; Dec. 31.
Door compensator, Press-box. L. W. Campbell. 1,741,284; Dec. 31.
Door construction, Automobile. G. Tasman. 1,741,384; Dec. 31.
Door, Duplex. J. R. De Haven. 1,742,027; Dec. 31.
Door operating mechanism. S. B. Haseldine. 1,741,627; Dec. 31.
Drier. See—
Clothes drier.
Driers, Panel for. A. O. Huxthal. 1,741,366; Dec. 31.
Driers, Panel for. W. M. Schwartz. 1,741,342; Dec. 31.
Drill. A. D'Orazio. 1,741,507; Dec. 31.
Drilling apparatus, Earth. F. S. Boltz. 1,741,497; Dec. 31.
Drilling mechanism. E. G. Gartin. 1,742,166; Dec. 31.
Drinking fountain. O. M. Böhm. 1,741,552; Dec. 31.
Drum. R. W. Hagen. Re17,546; Dec. 31.
Drying apparatus. B. Dewey and T. L. Tallafiero. 1,741,981; Dec. 31.
Drying machine, Rug. S. Chase, 4th, and B. S. Pfeiffer. 1,741,755; Dec. 31.
Dump bodies, Discharge-controlling device. F. D. Coppock. 1,742,058; Dec. 31.
Dust separator. C. R. Houghton. 1,741,774; Dec. 31.
Dye, Monazo pyrazolone. K. H. Hoover. 1,741,418; Dec. 31.
Edging machine. P. S. Legge. 1,741,321; Dec. 31.
Egg-binding apparatus. L. L. Gillespie. 1,741,929; Dec. 31.
Elasticized fabric. J. Mayer. 1,741,530; Dec. 31.
Electric conductor for electric machines and apparatus. I. Rouba. 1,741,420; Dec. 31.
Electric furnace. C. E. Cornelius. 1,741,977; Dec. 31.
Electric furnace. J. R. Eves. 1,741,411; Dec. 31.
Electric furnace. B. Long. 1,741,469; Dec. 31.
Electric heater. W. D. Kelley. 1,742,083; Dec. 31.
Electric interference eliminator, Plezo. E. I. Green. 1,741,563; Dec. 31.
Electric rectifying device. M. Lazarus. 1,741,319; Dec. 31.
Electric switch. A. O. Appelberg. 1,741,600; Dec. 31.
Electric switch. A. B. Hendricks, Jr. 1,741,296; Dec. 31.
Electric switch, Venting. A. E. Greene. 1,741,830; Dec. 31.
Electrical connector. G. A. Gillen. 1,742,160-1; Dec. 31.
Electrical control system. A. R. Ulstrom. 1,741,170; Dec. 31.
Electrical indicating instrument. H. L. Tanner. 1,741,590; Dec. 31.
Electrical power auxiliary stations from a central station. System and apparatus for operating one or more. H. C. Kloninger. 1,741,993; Dec. 31.
Electrical precipitation, Apparatus for. F. H. Viets and C. H. Weiskopf. 1,741,352; Dec. 31.
Electron system. E. N. Crichton and S. L. Goldsborough. 1,742,025; Dec. 31.
Elevator entrance inclosure. L. G. Jacobson. 1,741,940; Dec. 31.
Elevator entrance toe guard. L. G. Jacobson. 1,741,941; Dec. 31.
Endoscope. F. F. Letter. 1,741,575; Dec. 31.
Engine. See—
Fluid-pressure engine. Internal-combustion engine.
Engine control, Door. L. P. Hynes. 1,741,988; Dec. 31.
Engine oil distillator, Internal-combustion. R. L. Skinner. 1,741,483; Dec. 31.
Engine with self-ignition, High-speed internal-combustion. F. Beckerle. 1,741,769; Dec. 31.
Engines, Venturi combustion chamber for internal-combustion. E. R. Hewitt. 1,741,417; Dec. 31.
Envelope. S. Ellis and M. Kasprzak. 1,741,456; Dec. 31.
Envelope machines, Gumming attachment for. E. G. Vallier. 1,741,211; Dec. 31.
Escutcheon plate. H. A. Palmer. 1,741,653; Dec. 31.
Ethylene, Purification of. H. H. Dawson. 1,741,550; Dec. 31.
Explosive. L. W. Babcock. 1,741,146; Dec. 31.
Extension device, Foldable. A. F. Kraemer. 1,741,421; Dec. 31.
Extractor. See—
Juice extractor.
Extruding matter, Method of and apparatus for. J. E. Hoynton. 1,741,814; Dec. 31.
Eye-testing apparatus. W. L. Wall. 1,741,213; Dec. 31.
Eyelashes for dolls, Artificial. P. Harris. 1,741,415; Dec. 31.
Fabric. See—
Elasticized fabric.
Fabric, Articles made of. W. H. Kobbé. 1,742,145; Dec. 31.
Fabrics, Treating textile. W. S. Rowley and H. W. Butterworth, Jr. 1,741,338; Dec. 31.
Fan, Electric. R. G. Richardson. 1,741,736; Dec. 31.
Fastener. W. H. Pierce. 1,742,169; Dec. 31.
Fastener, Automatic. J. B. Kennedy. 1,741,158; Dec. 31.
Fastener, Separable. C. H. Baker. 1,741,805; Dec. 31.
Fastener, Separable. W. D. Pfeiffer and C. D. Harris. 1,741,789; Dec. 31.
Fastening device. F. Hicks. 1,742,141; Dec. 31.
Fastening device. H. M. Kellogg. 1,741,942; Dec. 31.
Fastening device. G. L. Smith. 1,742,014; Dec. 31.
Fastening, Nut and screw. F. S. Carr. 1,742,131; Dec. 31.
Fastening, Shoe. A. Love. 1,741,640; Dec. 31.
Feeder and conveyor, Sheet. T. A. Federwitz. 1,741,412; Dec. 31.
Feeding device. H. M. Ross. 1,741,738; Dec. 31.
Feeding mechanism. W. W. Davidson. 1,741,451; Dec. 31.
Fender and lamp casing for vehicles, Combined. J. R. Hughes. Des. 80,229; Dec. 31.
Fender, head lamp and parking lamp for vehicles, Combined. J. R. Hughes. Des. 80,228; Dec. 31.
Figure types, Determination of. D. L. Pratt. 1,741,335; Dec. 31.
Filling device. L. R. E. Hutchings. 1,741,157; Dec. 31.
Filling device, Visible-index-card. C. W. Land. 1,741,467; Dec. 31.
Filler for cartons or other containers. F. H. Sherman. 1,741,741; Dec. 31.
Film during the exposing thereof, Apparatus for photographically marking. W. M. Thomas. 1,741,386; Dec. 31.
Filter. G. A. Arnold. 1,741,672; Dec. 31.
Filter. R. P. F. Liddell. 1,741,705; Dec. 31.
Filter. K. F. Pletsch. 1,741,334; Dec. 31.
Filter, Air. R. Irvin. 1,741,367; Dec. 31.
Filtering attachment for anesthetizing machines. J. A. Heldbrink. 1,741,233; Dec. 31.
Firearm. R. J. Alden. 1,741,902; Dec. 31.
Firearms, Trigger mechanism for. F. F. Burton. 1,741,281; Dec. 31.
Fishing tackle. H. B. Skelton. 1,741,253; Dec. 31.
Fixture, Bathroom. H. W. Swartz. 1,742,050; Dec. 31.
Fixture, Combination. J. S. Judell. 1,741,521; Dec. 31.
Floor plate. W. N. Vance. 1,741,487; Dec. 31.
Fluid-pressure engine. W. E. Baker and R. C. Aland. 1,741,141; Dec. 31.
Foldable table. G. A. Lewis. 1,741,576; Dec. 31.
Footwear. Henry C. Hebig. 1,742,176; Dec. 31.
Fountain. See—
Drinking fountain.
Frame. See—
Axminster setting frame. Travelling case frame.
Car frame. Truck side frame.
Stretching and drying frame.
Frame and journal box, Side. W. F. Richards. 1,741,537; Dec. 31.
Frame for screens, Metal. C. A. Shogren. 1,741,958; Dec. 31.
Frame with separable journal boxes, Side. W. F. Richards. 1,741,538; Dec. 31.
Fretted string instrument. E. O. Starke. Des. 80,246; Dec. 31.
Fuel, Motor. T. H. Stackhouse. 1,741,206; Dec. 31.
Fuels, Apparatus for utilizing fluid. W. C. McKeown. 1,741,725; Dec. 31.
Fumigating apparatus. H. Roberts. 1,742,149; Dec. 31.
Furnace. See—
Electric furnace. Grate furnace.
Furnace and operating the same. E. H. Swindell and F. W. Brooke. 1,741,209; Dec. 31.
Furnace wall. G. W. Davey. 1,741,679-80; Dec. 31.
Furnace wall and baffle. D. S. Jacobus. 1,741,718; Dec. 31.
Fuse puller. R. F. Brown. 1,741,222; Dec. 31.
Game. W. Amend. 1,741,003; Dec. 31.
Game. S. T. Farrell. 1,741,832; Dec. 31.
Game apparatus. A. L. Clark. 1,741,224; Dec. 31.
Garment, Knit. W. B. Christy. 1,741,826; Dec. 31.
Garment press. J. C. Ledbetter. 1,741,996; Dec. 31.
Garment protector. B. Edelman. 1,741,410; Dec. 31.
Gas and oil burner, Combination. A. W. Morse. 1,741,532; Dec. 31.
Gas-discharge tube, Preglow. J. M. Schmlerer. 1,741,481; Dec. 31.
Gas mixer. W. R. Brewer. 1,741,280; Dec. 31.
Gases from organically combined sulphur, Purifying. F. Fischer. 1,741,834; Dec. 31.
Gate for race courses, Starting. C. B. Mauchan. 1,741,470; Dec. 31.

Gate-operating mechanism, Hydraulic. W. S. Lee, R. Pfuebler, and D. Nabow. 1,741,320; Dec. 31.
Gauge. See—
Tank gauge. Tubular gauge.
Gauge attachment. P. Sholtes. 1,742,103; Dec. 31.
Gear arm, Aeroplane landing. S. S. Varkas. 1,741,964; Dec. 31.
Gear for overhead engine cam shafts, Transmission. G. R. Inshaw. 1,741,570; Dec. 31.
Gear, Variable-speed. W. Jacobs. 1,741,631; Dec. 31.
Gear wheel, Flexible. G. H. Fletcher. 1,741,984; Dec. 31.
Generating and amplifying system, High-frequency. H. Paul. 1,741,710; Dec. 31.
Generator. See—
Steam generator.
Glider. M. Lachman. 1,741,423; Dec. 31.
Glass. See—
Dimmer glass.
Glass, Apparatus for blowing. J. A. Milliken. 1,741,708; Dec. 31.
Glass into molds, Method of and apparatus for charging molten. C. H. Rankin. 1,742,098; Dec. 31.
Glass, Manufacture of window. M. Bicheroux. 1,741,912; Dec. 31.
Glass manufacture, Sheet. L. E. Stewart. 1,741,886; Dec. 31.
Glass sheets, Process and slot member for manufacturing. N. P. Krasnikov. 1,741,523; Dec. 31.
Gluing mechanism for bookbinding machine. H. C. Alger. 1,741,269; Dec. 31.
Goal-line staff. W. E. Davis. 1,741,452; Dec. 31.
Gocart, Collapsible. D. J. De Grasse. 1,742,137; Dec. 31.
Goggles. E. B. Meyrowitz. 1,741,427; Dec. 31.
Goggles. W. B. Rayton. 1,741,536; Dec. 31.
Governor for hydraulic drives, Speed. W. Ferris. 1,741,833; Dec. 31.
Grader and scarifier. J. H. Gunnison. 1,741,933; Dec. 31.
Grinding machine. L. A. Cogswell. 1,741,149; Dec. 31.
Grate block for stokers, Protected. I. A. Taylor. 1,741,744; Dec. 31.
Grate, Furnace. F. M. Kandle. 1,742,081; Dec. 31.
Grate furnace, Mechanically-actuated. A. W. Bennis. 1,741,808; Dec. 31.
Grinding. L. R. Helm. 1,741,236; Dec. 31.
Grinding table. C. Heuze. 1,741,462; Dec. 31.
Grit eliminator. W. L. Brasack and H. E. Grau. 1,741,915; Dec. 31.
Grooving machine, Glass. H. A. Scheldeman. 1,742,101; Dec. 31.
Guard for power presses, Safety. W. O. Will and E. Carlson. 1,741,177; Dec. 31.
Guard, Manhole. J. L. Lufkin. 1,741,323; Dec. 31.
Gun, Charcoal chewing. W. A. Scott and K. A. Prouty. 1,741,589; Dec. 31.
Guns, Speed regulator for machine. C. Pfeiffer. 1,741,432; Dec. 31.
Guns, Speed regulator for machine. C. Pfeiffer. 1,741,534; Dec. 31.
Hair clip. A. Diaz. 1,741,407; Dec. 31.
Hammer. S. W. Gregersen. 1,742,032; Dec. 31.
Hammer, Drop-forging. H. Birmingham. 1,741,811; Dec. 31.
Hand brake. J. F. O'Connor. 1,742,005; Dec. 31.
Handle attachment. W. Schneider. 1,741,588; Dec. 31.
Hanger. See—
Coat hanger.
Harvester, Cane. I. H. Athey. 1,741,602; Dec. 31.
Hats or caps, Attachment for. I. Chamberlin. 1,742,132; Dec. 31.
Headlight, Dirigible. C. R. Phillips. 1,741,433; Dec. 31.
Headlight projector. F. Transom. 1,741,888; Dec. 31.
Heat exchanger. W. Dvrssen. 1,741,225; Dec. 31.
Heat insulation. C. E. Kraus. 1,741,574; Dec. 31.
Heat, Method and apparatus for utilizing waste. H. B. Smith. 1,741,663; Dec. 31.
Heat recovery, Method and apparatus for. H. C. Heaton. 1,741,567; Dec. 31.
Heater. See—
Brooder heater. Water heater.
Electric heater. Windshield heater.
Heater, H. Lange. 1,741,468; Dec. 31.
Heater and boiler, Hot-water. C. Digeon. 1,742,063; Dec. 31.
Heater and mixer, Combination. A. J. Luer. 1,741,160; Dec. 31.
Heating and agitating apparatus. H. B. Klipper. 1,741,573; Dec. 31.
Heating apparatus, Water. W. I. Ferguson. 1,741,455; Dec. 31.
Heating device, Electric. G. Harvis. 1,741,625; Dec. 31.
Heating system and apparatus. F. Marlon. 1,741,529; Dec. 31.
Heating system, Electric. L. P. Hynes. 1,742,159; Dec. 31.
Heel for boots and shoes. E. B. Bishop. 1,741,754; Dec. 31.
Hem folder and strip guide, Combined. J. Mann. 1,741,866; Dec. 31.
High-voltage switch. W. R. Hutteringer. 1,742,077; Dec. 31.
Hoisting mechanism. W. S. Hofstra. 1,742,142; Dec. 31.
Hoisting mechanism. M. P. Holmes. 1,742,168; Dec. 31.
Hoisting mechanism. L. A. Maxson. 1,742,088; Dec. 31.
Hoisting mechanism. C. F. Osgood. 1,742,180; Dec. 31.
Holder and filter, Bottle. J. A. Mangold. 1,742,041; Dec. 31.
Holder, Blade. M. J. Engel. 1,741,924; Dec. 31.
Holder, Certificate. F. H. Bronner. 1,741,608; Dec. 31.
Holder, Curtain. H. Dalton. 1,741,504-5; Dec. 31.
Holder for railway cars, Resilient sheet. D. A. Cooper. 1,741,558; Dec. 31.
Holder for sewing machines, Auxiliary spool. D. B. Jose. 1,741,632; Dec. 31.
Holder, Globe. J. A. O'Neill. 1,742,179; Dec. 31.
Holder, Lip-stick. M. C. Acker. Des. 80,211; Dec. 31.
Holder. Night-light and votive-light. M. Purcell. 1,741,337; Dec. 31.
Holder, Nursing-bottle. E. B. Hill. 1,741,937; Dec. 31.
Holder, Paper-currency. S. Altman. 1,741,270; Dec. 31.
Holder, Sample. R. C. Greenwald and G. E. Thimmes. 1,742,069; Dec. 31.
Holder, Shade. A. K. Sutherland. 1,741,547; Dec. 31.
Holder, Twine. H. Oakley and J. F. Newbery. 1,741,874; Dec. 31.
Hood. H. V. Henderson. Des. 80,226; Dec. 31.
Hook. See—
Choker hook. Clinker hook.
Horn suitable for use with radio sets, Acoustic reproducer. P. E. Edelman. 1,741,508; Dec. 31.
Hose and supporter, Combination. J. Fereck. 1,741,512; Dec. 31.
Hydrocarbon burner. J. L. Breese, Jr. 1,741,553; Dec. 31.
Hydrocarbons, Cracking. J. E. Bell. 1,741,277; Dec. 31.
Hydrocarbons, Cracking. J. E. Bell. 1,741,357; Dec. 31.
Hydrocarbons of low boiling points from hydrocarbons of high boiling points, Obtaining. P. Danckwardt. 1,742,165; Dec. 31.
Hydrocarbons, Purification of aromatic. A. O. Jaeger. 1,741,805; Dec. 31.
Ice, Apparatus for use in the manufacture of. A. J. Bentley. 1,742,122; Dec. 31.
Ice cream or the like, Manufacturing. C. W. Vogt. 1,742,171; Dec. 31.
Index. H. C. and J. C. Russell. 1,741,586; Dec. 31.
Index file, Visible card. L. Lombardini. 1,742,087; Dec. 31.
Index or file. A. E. Hunt. 1,741,303; Dec. 31.
Indicator. See—
Direction indicator. Station indicator.
Mileage indicator.
Indicator, P. Kollman. 1,741,702; Dec. 31.
Inked ribbon and making the same. B. Paradise. 1,742,093; Dec. 31.
Inking carriage. H. C. Ryan. 1,741,883; Dec. 31.
Inking mechanism for printing machines. A. J. Graf. 1,741,414; Dec. 31.
Insect-destroying machine. A. B. Camden. 1,741,359; Dec. 31.
Insulated steam table, Electrically-heated. H. A. Hindman. 1,741,569; Dec. 31.
Insulating bands, Metallizing the surfaces of. E. Pfaffner. 1,741,477; Dec. 31.
Insulating building material and making the same. A. Elmendorf. 1,741,760; Dec. 31.
Internal-combustion engine. J. A. H. Barkelj. 1,741,355; Dec. 31.
Internal-combustion engine. T. P. Chase. Re17,549; Dec. 31.
Internal-combustion engine. A. Craigon. 1,741,404; Dec. 31.
Internal-combustion engine. J. Hutchinson. 1,741,987; Dec. 31.
Internal-combustion engine. C. Y. Knight. 1,741,994; Dec. 31.
Internal-combustion engine. J. B. Watson. 1,741,894; Dec. 31.
Iron. See—
Soldering iron.
Iron, Production of soft. B. Weisban. 1,742,111; Dec. 31.
Ironing board. E. A. Nordin. 1,741,581; Dec. 31.
Ironing machine, Shoe mounting for. H. Hill. 1,741,298; Dec. 31.
Jack. See—
Automobile jack. Pump jack.
Lifting jack.
Jack. W. B. Runyan. 1,741,793; Dec. 31.
Joint. See—
Ball joint.
Jolt lock, Sucker-rod. S. L. Jolley. 1,741,720; Dec. 31.
Journal box. G. Grandjean. 1,741,931; Dec. 31.
Juice extractor. C. Meyer. 1,742,089; Dec. 31.
Kettle. J. M. Barton. 1,741,675; Dec. 31.
Keyboard for typewriting machines, typesetting machines, or the like. W. Schäffer. 1,742,152; Dec. 31.
Knitting machine. A. Kipnis. 1,742,036; Dec. 31.
Knitting machine. A. C. Nebel. 1,742,048; Dec. 31.
Ladle discharger. G. H. J. Elser. 1,742,065; Dec. 31.
Lamp. J. F. Nenzel. Re17,545; Dec. 31.
Lamp. G. W. Toeller. Des. 80,249; Dec. 31.
Lamp, Automobile signal. E. A. Laurent. Des. 80,237; Dec. 31.
Lamp base. G. L. Miller. Des. 80,239; Dec. 31.
Lamp, Electric arc. A. G. Saurwein. 80,244; Dec. 31.
Lamp fixture, Electric. W. H. Yates. 1,741,965; Dec. 31.
Lamp globe. C. A. B. Halvorson. Des. 80,225; Dec. 31.
Lamp, Head. O. Wappler. 1,741,264; Dec. 31.
Latch. E. C. Wilson. 1,741,389; Dec. 31.
Latch, Refrigerator. C. G. Strotz. 1,741,546; Dec. 31.

Laundry machine, Multiple-compartment. G. W. Dunham. 1,741,685-6; Dec. 31.
 Laundry-machinery lock. E. and P. Schnell. 1,741,661; Dec. 31.
 Lawn sprinkler. W. H. Coles. 1,741,557; Dec. 31.
 Leg construction for water coolers. M. Stein and A. S. Levin. 1,741,961; Dec. 31.
 Level. Hand. O. J. Kruker. 1,741,422; Dec. 31.
 Level indicator and automatic scoop for locomotive tenders. Water. J. C. Dudley. 1,741,618; Dec. 31.
 Lifeboat-releasing device. G. W. P. Overman. 1,742,092; Dec. 31.
 Life preserver. E. W. Skoldberg. 1,742,104; Dec. 31.
 Life-saving apparatus, Marine. A. Lehr. 1,741,851; Dec. 31.
 Lifter: See—
 Bottle-cap lifter.
 Lifting jack. J. F. Donnelly. 1,741,144; Dec. 31.
 Lifting jack. W. H. Stone. 1,742,106; Dec. 31.
 Linoleum and product thereof, Making. W. Veit. 1,741,488; Dec. 31.
 Liquid in bottles, Apparatus for heating, cooling, or otherwise treating. A. G. Enock. 1,741,925; Dec. 31.
 Liquid, Apparatus for raising. C. Q. Ives. 1,741,571; Dec. 31.
 Lister. J. Schermuly. 1,741,794; Dec. 31.
 Light advertising plant. M. Haase. 1,742,071; Dec. 31.
 Light-controlling means. A. Whitaker and M. Bowman. 1,742,115; Dec. 31.
 Light for an automotive vehicle, Corner. W. Schnell. 1,742,245; Dec. 31.
 Light to penetrate foggy atmosphere, Enabling. F. A. Wright. 1,742,116; Dec. 31.
 Ligher. Cigar. J. W. Schulze. 1,741,956; Dec. 31.
 Ligher or similar article. L. V. Aronson. Des. 80,244; Dec. 31.
 Ligher or similar article, Cigar. C. Harris. Des. 80,224; Dec. 31.
 Lighting fixture. N. L. Ureles. 1,741,171; Dec. 31.
 Lighting fixture and the like. D. Holt. 1,741,301; Dec. 31.
 Lighting fixture bracket or article of analogous nature. W. von Nessen. Des. 80,251; Dec. 31.
 Loading plant. W. L. Mertz. 1,741,374; Dec. 31.
 Loading system, Compound. N. R. French. 1,741,926; Dec. 31.
 Lock: See—
 Bolt and nut lock. Tire lock.
 Joint lock. Transmission lock.
 Laundry-machinery lock.
 Lock. S. Wise. 1,741,390; Dec. 31.
 Lock for spare wheels. S. Wise. 1,741,391; Dec. 31.
 Locking forming machine. J. and H. Fulewider, E. W. Robinson, and H. S. Norris. 1,742,031; Dec. 31.
 Locking clamp for outboard motors. T. L. Smith. 1,741,205; Dec. 31.
 Locking device. A. G. McCaleb. 1,741,161; Dec. 31.
 Locking slide loop, Self. P. E. Fenton. 1,741,619; Dec. 31.
 Locomotive. W. E. Woodard. 1,741,670; Dec. 31.
 Locomotive boiler. C. E. Rodline. 1,741,181; Dec. 31.
 Locomotive, Cable reel. W. W. Sloane. 1,742,012; Dec. 31.
 Locomotive-fire-box lining. G. P. Reintjes. 1,741,584; Dec. 31.
 Locomotive safety device, Mine. W. W. Sloane. 1,742,013; Dec. 31.
 Locking appliance. T. Gillmer. 1,741,292; Dec. 31.
 Loom. Axminster. E. F. Mathaway and W. Bixby. 1,742,167; Dec. 31.
 Loom for weaving pile fabrics. R. Britton. 1,741,916; Dec. 31.
 Loom, Narrow-ware. T. Martin. 1,741,641; Dec. 31.
 Loom picker. H. G. West. 1,741,353; Dec. 31.
 Loom thread cutters, Thread control for. F. Marsden. 1,741,324; Dec. 31.
 Looms, Feeder mechanism for magazine. W. H. Conkle. 1,742,134; Dec. 31.
 Looms for weaving tufted pile fabric, Yarn-positioning device for. E. F. Clark. 1,742,024; Dec. 31.
 Looms, Let-off for. E. R. Holmes. 1,741,300; Dec. 31.
 Looms, Thread clearer for weft-replenishing. W. H. Wakefield. 1,741,263; Dec. 31.
 Looms, Tube frame for Axminster. E. E. Clark. 1,741,287; Dec. 31.
 Looms, Warp stop motion for. R. G. Turner. 1,741,210; Dec. 31.
 Looms, Weft detector for. G. Frechett. 1,741,186; Dec. 31.
 Loudspeaker, Eccentric cone. A. M. Nicolson. 1,742,002; Dec. 31.
 Loudspeaker, Noncircular cone. A. M. Nicolson. 1,741,533; Dec. 31.
 Lubricating device. M. J. Henry. 1,741,235; Dec. 31.
 Lubricating system for differential vehicle housings. J. F. Crawford. 1,741,501; Dec. 31.
 Lugs, Making traction. W. J. Coultas. 1,741,450; Dec. 31.
 Machine and method for assembling screw parts or the like. C. H. Bates. 1,742,173; Dec. 31.
 Machine casing or similar article, Display desk appliance. W. A. Utz. Des. 80,250; Dec. 31.
 Machine drive. J. P. Graber. 1,741,695; Dec. 31.
 Machine for assembling fuses. C. A. Johnson. 1,741,719; Dec. 31.

Machine for drying photographic prints. J. W. Robinson. 1,741,882; Dec. 31.
 Machine for dyeing, scouring, and washing wool and other fibrous materials. J. and R. Whitaker. 1,742,114; Dec. 31.
 Machine for lapping and stitching fabric sections. J. R. Moffatt. 1,741,572; Dec. 31.
 Machine for making expander steel. G. C. Beck. 1,741,905; Dec. 31.
 Machine for producing figured paper. C. G. Hampson. 1,741,697; Dec. 31.
 Machine for raising nap on textiles and the like. A. O. Schramm and J. H. Schreiber. 1,741,542; Dec. 31.
 Machine for the mechanical production of paper cups pressed in folds. E. Schmidt. 1,741,884; Dec. 31.
 Magnetic bobbin. H. H. Wermline. 1,742,018; Dec. 31.
 Mail-box flag control. C. W. Bond. 1,742,128; Dec. 31.
 Make and break switch, Thermostatic. A. O. Appelberg. 1,741,601; Dec. 31.
 Manifold register. J. Q. Sherman and A. W. Metzner. 1,741,442; Dec. 31.
 Manifold register, Autographic. R. W. Glenn. 1,741,362; Dec. 31.
 Map pointer for road vehicles, Semiautomatic. P. Borel. 1,741,676; Dec. 31.
 Maritime ram with barometric chamber. P. Grasset. 1,742,068; Dec. 31.
 Massage implement. F. F. Shawker. 1,741,795; Dec. 31.
 Material, Apparatus for handling loose. C. E. Davis. 1,742,026; Dec. 31.
 Material, Apparatus for handling loose. T. E. Pray. 1,742,009; Dec. 31.
 Material, Treating continuously-moving. C. R. Weihe. 1,742,110; Dec. 31.
 Materials with binders in the briquetting of said materials, Treatment of. R. Lessing. 1,741,193; Dec. 31.
 Maternity pad. L. L. Gilbert. 1,741,838; Dec. 31.
 Mattress, Tufted. L. E. Filton. 1,741,790; Dec. 31.
 Measuring and cutting machine, Tread. A. R. Krause. 1,741,634-5; Dec. 31.
 Measuring and mixing device. R. G. McDonald. 1,741,325; Dec. 31.
 Measuring device, Body. M. J. Weber. 1,741,174; Dec. 31.
 Mechanically treating objects, Method and apparatus for. O. Kreinling. 1,741,722; Dec. 31.
 Medical appliance. W. J. Kelley. 1,741,313; Dec. 31.
 Medicines, Preparing. I. Magat. 1,741,786; Dec. 31.
 Metal-coating metal sheets. E. R. Wehr and C. C. Mahlie. 1,741,388; Dec. 31.
 Metal-handling apparatus. G. A. La Rocque. 1,741,782; Dec. 31.
 Metal, Manufacture of expanded. G. W. Baker and J. H. Dean. 1,742,155; Dec. 31.
 Metal-polishing machine. O. G. Schmitt. 1,741,166; Dec. 31.
 Metal structures, Manufacture of expanded. A. J. Bates, jr. 1,741,273; Dec. 31.
 Metal and magnet core. J. Züger. 1,741,751; Dec. 31.
 Meter and recorder, Demand. C. I. Hall. 1,742,072; Dec. 31.
 Metal unit and producing the same, Hollow sheet. A. R. Gross. 1,741,932; Dec. 31.
 Mileage indicator. T. Taaffe and R. O. Welch. 1,741,255; Dec. 31.
 Mill: See—
 Disk-rolling mill.
 Mill rolls, Adjusting means for rollings. J. R. Coe. 1,741,405; Dec. 31.
 Mill shell liner, Tube. F. R. Barratt. 1,741,604; Dec. 31.
 Mining machine. C. R. Hughes. 1,741,714; Dec. 31.
 Mining machine. L. A. Maxson. 1,742,178; Dec. 31.
 Mining machine. T. E. Pray. 1,741,583; Dec. 31.
 Mixer: See—
 Gas mixer.
 Mixing machine. C. Nielsen. 1,741,646; Dec. 31.
 Mixing machine, Continuous. H. K. Wilder. 1,741,176; Dec. 31.
 Moisture indication and control. G. S. Witham, jr. 1,741,266; Dec. 31.
 Mold: See—
 Cutter mold.
 Mold-making machine, Earth. E. G. Carr. 1,741,825; Dec. 31.
 Moldable matter, working. J. E. Boynton. 1,741,812; Dec. 31.
 Molding machine, Core. V. H. Curren. 1,741,503; Dec. 31.
 Molds, Hot top for ingot. H. L. Coxe. 1,741,615; Dec. 31.
 Motor: See—
 Wind motor.
 Motor. E. P. H. Hendricks. 1,741,460; Dec. 31.
 Motor controller. C. T. Evans. 1,741,762; Dec. 31.
 Motor controlling device. C. R. Kelly. 1,741,721; Dec. 31.
 Motors, Stator for induction. C. F. Thompson. 1,741,799; Dec. 31.
 Moving matter, Method of and apparatus for treating. J. E. Boynton. 1,741,815; Dec. 31.
 Mowers, Cutting reel for lawn. F. M. R'tter. 1,741,370; Dec. 31.
 Musical instrument, Stringed. J. Dopyera. 1,741,453; Dec. 31.

Naphthalene, Manufacture of ethylated. R. Michel. 1,741,472; Dec. 31.
 Necktie. M. M. Hall. 1,741,232; Dec. 31.
 Necktie. S. Schwartz. 1,741,345; Dec. 31.
 Needling machine. C. H. Chase. 1,742,133; Dec. 31.
 Noises, Apparatus for obviating network. J. M. Schmierer. 1,741,480; Dec. 31.
 Nuts, Retainer for. C. E. Anderson. 1,742,052; Dec. 31.
 Oil, Apparatus for refining. C. W. Stratford and W. S. James. 1,741,887; Dec. 31.
 Oil burner. F. Hennebühle. 1,741,364; Dec. 31.
 Oil-burner apparatus. W. C. McKesson. 1,741,868; Dec. 31.
 Oil conversion, Hydrocarbon. C. J. Pratt. 1,741,535; Dec. 31.
 Oil, Cracking. G. Egloff. 1,741,510; Dec. 31.
 Oil-purifying apparatus. L. H. Clark. 1,741,756; Dec. 31.
 Oil, Purifying lubricating. C. L. Stokes. 1,741,348; Dec. 31.
 Oil rectifier. R. L. Skinner. 1,741,482; Dec. 31.
 Oil stock, Treating lubricating. A. H. Ackerman. 1,742,021; Dec. 31.
 Oil-well flowing apparatus. E. A. Watts. 1,741,489; Dec. 31.
 Oils, Coking. D. R. Weller and L. Link. 1,741,895; Dec. 31.
 Oils, Treating mineral. A. H. Ackerman. 1,742,020; Dec. 31.
 Open-hearth furnace. S. Treverton. 1,741,666; Dec. 31.
 Opener, Can. E. L. and F. F. Glard. 1,742,140; Dec. 31.
 Opener, Can and bottle. J. Vattes. 1,741,259; Dec. 31.
 Opening device, Bottle. T. B. Bradley. 1,741,607; Dec. 31.
 Operating upon composite substances, Apparatus for. A. Fay. 1,741,763; Dec. 31.
 Ophthalmic mounting. E. J. R. Beatty. 1,741,806; Dec. 31.
 Ophthalmic mounting. E. J. R. Beatty and J. N. Nelson. 1,741,807; Dec. 31.
 Ophthalmic mounting. A. M. Levy. 1,742,163; Dec. 31.
 Ophthalmic mounting. J. N. Nelson. 1,741,199; Dec. 31.
 Organ. E. Bawtree. 1,742,121; Dec. 31.
 Oscillation system, High-frequency. A. H. Taylor and A. Crossley. 1,741,485; Dec. 31.
 Oven apparatus, Coke. F. Puening. 1,741,164; Dec. 31.
 Oven, Drying. K. J. R. Robertson and A. Fowler. 1,742,009; Dec. 31.
 Oxides of nitrogen, Liquefying. C. Beck and H. Diekmann. 1,741,906; Dec. 31.
 Package or container for liquids. S. J. Haigney. 1,741,154; Dec. 31.
 Pad: See—
 Maternity pad.
 Pad for mattresses, Compensating. R. W. Taylor. 1,742,105; Dec. 31.
 Pail, Minnow. W. A. Moore. 1,742,046; Dec. 31.
 Pan-split device, Roasting. E. Bocchino. 1,741,400; Dec. 31.
 Panel and molding retainer, Variable. A. G. Dawson. 1,741,979; Dec. 31.
 Paper or board and making the same, Oil and grease proof liner. A. L. Clapp. 1,741,556; Dec. 31.
 Paper box. I. H. Yonnegut. 1,741,261; Dec. 31.
 Paper-making machines, Stock-controlling means for. J. R. Spoor. 1,741,347; Dec. 31.
 Paper package and display cover therefor. H. E. Kondolf. 1,741,369; Dec. 31.
 Paper remover, Wall. E. J. Thoenes and G. Frankey. 1,741,237; Dec. 31.
 Parasol and umbrella. O. I. Kahn. 1,741,846; Dec. 31.
 Paste ejector. B. W. King. 1,741,991; Dec. 31.
 Pen and pencil mount. E. E. Johnson. 1,741,368; Dec. 31.
 Petroleum distillates, Purifying. M. L. Chappell and G. J. Ziser. 1,741,565; Dec. 31.
 Petroleum, Converting. G. Egloff. 1,741,509; Dec. 31.
 Phonograph. R. S. Khaira. 1,741,465; Dec. 31.
 Photograph or corner mount. E. J. Swift. 1,741,350; Dec. 31.
 Photographic lens, corrected spherically, chromatically, astigmatically, and for coma. W. Merté. 1,741,847; Dec. 31.
 Photographing the interior of the eye, Appliance for. T. Kühl. 1,741,626; Dec. 31.
 Piano-instruction device. A. Y. Hall. 1,741,768-9; Dec. 31.
 Piano, Sustained-tone. F. Munger. 1,741,948; Dec. 31.
 Pick for musical instruments. R. J. Carpenter. 1,741,285; Dec. 31.
 Picker: See—
 Loom picker.
 Picking machine, Rotary. S. T. Powell. 1,741,249; Dec. 31.
 Picture-projection machines, Driving mechanism for motion. F. R. Moulton. 1,742,001; Dec. 31.
 Pin construction for railway cars, Locking center. J. F. O'Connor. 1,742,006; Dec. 31.
 Pin-locking arrangement for railway cars, Center. J. F. O'Connor. 1,742,007; Dec. 31.
 Pintle for scissars. W. A. Zeldler. 1,741,803; Dec. 31.
 Pipe bender. A. J. Harmon and J. W. Harmon. 1,741,840; Dec. 31.
 Pipe bender. H. E. Harvey. 1,741,935; Dec. 31.
 Pipe fitting, Combined eighth bend and clean-out. G. C. Zuckeweller. 1,741,899; Dec. 31.
 Piston. F. Jardine. 1,741,843; Dec. 31.

Piston. E. C. Long. 1,741,243; Dec. 31.
 Piston. J. A. Scarborough, J. B. Caldwell, and F. Coursey. 1,741,659; Dec. 31.
 Piston pin and forming same. R. R. Teator. 1,742,015; Dec. 31.
 Piston ring. R. E. Kirn. 1,741,849; Dec. 31.
 Piston, Wear-compensating. E. H. Cowan. 1,742,136; Dec. 31.
 Pistons, Hollow packing ring for. C. T. Raule. 1,741,436; Dec. 31.
 Pitcher. J. H. Sager. 1,741,339; Dec. 31.
 Pivot and bearing. H. S. Ring. 1,741,737; Dec. 31.
 Planting device, Bulb. J. Colyn. 1,741,614; Dec. 31.
 Planting mechanism. C. E. White. 1,741,216; Dec. 31.
 Platform, Loading. H. W. Jencks. 1,741,189; Dec. 31.
 Platform, Transfer. L. D. Holmes and J. S. Townsend. 1,741,772; Dec. 31.
 Plug, Automatically-controlled electric connection. M. C. Bersted. 1,741,911; Dec. 31.
 Plug, Connecting. W. K. Fleming. 1,741,185; Dec. 31.
 Plug, Electrical attachment. W. Huppert. Des. 80,231; Dec. 31.
 Polisher, Roll. T. S. Groves. 1,742,070; Dec. 31.
 Polishing device for furnace conveyors. J. W. Banfield. 1,741,494; Dec. 31.
 Portable apparatus. F. Ackerman. 1,741,598; Dec. 31.
 Power and heat from steam, Process and apparatus for obtaining. W. Schmidt and O. Hartmann. 1,741,378; Dec. 31.
 Power-control system. A. H. Neuland. 1,741,428; Dec. 31.
 Power factor in induction motors, Correction of. C. W. Hough. 1,741,518; Dec. 31.
 Power plant. E. R. Newton. 1,741,729-30; Dec. 31.
 Power-plant installation. A. Baumann. 1,741,605; Dec. 31.
 Power supply for thermionic devices. A. N. Fenton. 1,741,691; Dec. 31.
 Power regulator, Motive. J. D. Spillane. 1,741,381; Dec. 31.
 Power-transmission mechanism. M. Kreher. 1,741,524; Dec. 31.
 Preserving perishable goods in storage and transit. E. von der Lippe-Lipski. 1,742,038; Dec. 31.
 Press: See—
 Garment press. Seal press.
 Printing press.
 Press for use in the repair and manufacture of boots and shoes, Sole-laying. F. Johnson. 1,741,844; Dec. 31.
 Pressure hose and making same. G. A. Ansell. 1,741,491; Dec. 31.
 Price card and support. W. S. Wilson. 1,741,669; Dec. 31.
 Primer composition. H. Rathburg. 1,741,540; Dec. 31.
 Printing machines, and more particularly in rotary printing machines, Raising, changing, and driving the paper web rolls in. A. Fallot. 1,742,029; Dec. 31.
 Printing press. W. M. Kelly. 1,741,040; Dec. 31.
 Printing process, Dry-off-set. V. Dietz. 1,741,758; Dec. 31.
 Printing roller, Soft-rag. C. G. Hampson. 1,741,698; Dec. 31.
 Projector for colored motion pictures. W. M. Thomas. 1,741,385; Dec. 31.
 Propulsion of watercraft and aircraft. D. V. Hotchkiss. 1,741,238; Dec. 31.
 Protector for hairdressing use and the like. N. Merlino. 1,741,827; Dec. 31.
 Puller: See—
 Fuse puller.
 Pump. R. C. Mason. 1,741,244; Dec. 31.
 Pump. J. W. Tatter. 1,741,591; Dec. 31.
 Pump jack, Double-header. G. B. Burch. 1,742,055; Dec. 31.
 Pump, Oil-well. W. J. Blankenship. 1,741,913; Dec. 31.
 Pump, plunger. O. D. McClure. 1,741,643; Dec. 31.
 Pumping material, Apparatus for. J. E. Boynton. 1,741,816; Dec. 31.
 Purifier for contaminated liquids. G. H. Greenbalgh and R. P. F. Liddell. 1,741,686; Dec. 31.
 Quinine compound and making the same. W. H. Engels. 1,741,761; Dec. 31.
 Rack: See—
 Bottle rack. Vending and display rack.
 Rack for group mail boxes, Package. J. Gafney. 1,741,928; Dec. 31.
 Radiator. L. C. Gnagl. 1,741,930; Dec. 31.
 Radio apparatus, Distant control for. F. W. Renwick. 1,742,147; Dec. 31.
 Radiocabinet. W. B. Stevenson. Des. 80,247; Dec. 31.
 Radio direction finder, Hertzian compass, and the like. H. Busignies. 1,741,282; Dec. 31.
 Radioprograms, System of reception and reproduction of. K. Parker. 1,741,430; Dec. 31.
 Radioreducer. L. C. Baumann. 1,741,274; Dec. 31.
 Rage with sulphur dioxide, Stripping. F. W. Binns. 1,741,496; Dec. 31.
 Rail-tying device. S. W. Finch. 1,741,151; Dec. 31.
 Raising sunken vessels, Apparatus for. W. N. Davis. 1,741,681; Dec. 31.
 Range. G. E. Pickup. 1,742,008; Dec. 31.
 Range, Gas. W. A. Smith. 1,741,885; Dec. 31.
 Razor, Safety. C. N. Vallon. 1,741,891; Dec. 31.
 Receptacle closure, Replaceable. L. Burbank. 1,741,918-9; Dec. 31.
 Receptacle for refuse. R. Houghten. 1,742,075; Dec. 31.
 Receptacle, Sign. D. M. Le Fever. 1,741,728; Dec. 31.

Record card or like member for indexes or files. C. S. Campbell and A. E. Hunt. 1,741,283; Dec. 31.
Records and reports of transportation of railroad cars. Method and apparatus for conducting and making. L. M. Gibbs. 1,741,229; Dec. 31.
Recorder: See—
Train recorder.
Reduction unit, Worm-gear. G. H. Acker. 1,741,071; Dec. 31.
Reel, Spliced paper. G. B. Ambler. 1,741,392; Dec. 31.
Reinforcement for strong rooms, safes, and the like. H. S. Bruckshaw. 1,741,611; Dec. 31.
Reflector bowl for electric lamps. E. B. Gillinder. 1,741,693; Dec. 31.
Refractory composition and making. T. S. Curtis. 1,741,920; Dec. 31.
Refreshment stand. C. E. Ager, C. and P. Kall, A. Ager, and W. Kall. Des. 80,212; Dec. 31.
Refrigerating apparatus. O. C. Olsen. 1,741,652; Dec. 31.
Refrigerating coils, Electric defroster for. W. B. Day. 1,742,062; Dec. 31.
Refrigerator. T. J. Little, Jr. 1,741,638; Dec. 31.
Refrigerator, Counter. A. J. Meyer. 1,741,568; Dec. 31.
Refrigerators, Water-cooling unit for electric. F. R. Vollmer. 1,741,594; Dec. 31.
Register: See—
Manifolding register.
Regulator: See—
Lower regulator.
Regulator for seed rolls on rollers, Density. C. P. Lamons. 1,741,636; Dec. 31.
Relay switch. J. S. Dunn. 1,741,409; Dec. 31.
Resilient wheel. S. Schoor. 1,741,344; Dec. 31.
Resistor unit and forming the same. L. E. Power. 1,741,582; Dec. 31.
Robot-operating apparatus. J. Bradley. 1,742,023; Dec. 31.
Ring: See—
Piston ring.
Ring guard, Finger. E. D. Becker and A. B. Elliott. 1,741,908; Dec. 31.
Road strip, Construction. R. R. Robertson. 1,741,585; Dec. 31.
Rod: See—
Connecting rod.
Roll for textile machinery. W. A. Tebo. 1,741,351; Dec. 31.
Roll making machine. C. Gottfried. 1,741,694; Dec. 31.
Roller: See—
Printing roller.
Roller-coaster tracks, Laminated construction for. F. A. Church. 1,741,286; Dec. 31.
Roof lining construction, Automobile. R. T. Markee. 1,741,946; Dec. 31.
Roofing slab. J. M. Richardson. 1,741,536; Dec. 31.
Roofing strip. M. L. Canton. 1,741,403; Dec. 31.
Roost, litter carrier, and window, Combination. R. O. Leach. 1,741,159; Dec. 31.
Roof applying device. H. S. Mills. 1,741,373; Dec. 31.
Rubber composition and method of preserving rubber. H. C. Jones. 1,741,778; Dec. 31.
Safety device. B. S. Horne and R. M. Laughlinhouse. 1,741,626; Dec. 31.
Safety stopping device. C. Seybold. 1,741,439; Dec. 31.
Sales book, Manifolding. G. R. Gompf. 1,742,067; Dec. 31.
Sail back rest. F. H. Headley. 1,741,156; Dec. 31.
Sander and buffer. W. M. Drennon. 1,741,145; Dec. 31.
Sanitary protector for hand pieces and the like. W. E. Curry. 1,742,061; Dec. 31.
Sash construction, Window. R. T. Axe. 1,741,354; Dec. 31.
Saw jointer, Crosscut. T. C. La Bare. 1,741,850; Dec. 31.
Scale. H. O. Hem. 1,741,416; Dec. 31.
Scried, Road. J. W. Heltzel. 1,741,450; Dec. 31.
Screen: See—
Auto screen.
Screen-installation, Rolling. H. Dixon. 1,741,922; Dec. 31.
Screw clamp. J. Dohnd. 1,741,923; Dec. 31.
Screw driver. R. R. Sullivan. 1,741,349; Dec. 31.
Screw press. W. A. Witt. 1,741,595; Dec. 31.
Sealing machine for incandescent lamps and similar materials. W. H. Stiles, P. F. Wagener, and J. F. Donovan. 1,742,153; Dec. 31.
Seat: See—
Vehicle seat.
Sealing off a hollow glass body from an annular glass body. Process and apparatus for. P. Schoonenberg. 1,741,662; Dec. 31.
Semi-reversing mechanism, Car. J. H. Lucas. 1,741,784; Dec. 31.
Sensitized element, silver halid emulsion therefor, and manufacturing the same. O. Matthies, W. Dieterle, and H. Wendt. 1,742,042; Dec. 31.
Separator: See—
Dust separator.
Separator and valve therefor, Centrifugal. C. W. Stratford. 1,741,207; Dec. 31.
Separators, Attachment for cream. R. Jacobs. 1,742,078; Dec. 31.
Series boiler. D. S. Jacobus. 1,741,701; Dec. 31.
Sewing machine. E. Angsr. 1,741,179; Dec. 31.

Sewing machines, Combination oil receiver and guard for. I. Feldman. 1,741,454; Dec. 31.
Sewing machines, Looper mechanism for. J. Berger. 1,741,910; Dec. 31.
Shade and combination thereof with lamps, Lamp. G. Sakier. 1,741,658; Dec. 31.
Shade roller, Automatic. A. R. Mitchell. 1,741,871; Dec. 31.
Sharpening device for hair clippers. H. M. Bennett and S. J. Bonnan. 1,742,054; Dec. 31.
Sheet, Maternity. L. L. Gilbert. 1,741,837; Dec. 31.
Sheets to mattresses, Attaching. N. B. Dinstuhl. 1,742,064; Dec. 31.
Shelving, Metal. S. Goldberg. 1,741,293; Dec. 31.
Shingle. M. Halprin. 1,741,515; Dec. 31.
Shingle, Self-aligning strip. W. A. Harris. 1,741,566; Dec. 31.
Shipping case, Fiber-board. H. B. Walter. 1,741,214; Dec. 31.
Shock-absorbing device. W. R. McGowen. 1,741,162; Dec. 31.
Shock-absorbing device for vehicles. J. F. O'Connor. 1,742,003; Dec. 31.
Shock-absorbing mechanism. J. F. O'Connor. 1,741,631; Dec. 31.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,741,648-50; Dec. 31.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,742,004; Dec. 31.
Shoe. G. A. Jones. 1,741,419; Dec. 31.
Shoe form, Expandable. W. J. De Witt. 1,741,831; Dec. 31.
Shoe forms, Making. W. J. DeWitt. 1,741,830; Dec. 31.
Shoes, Making. J. W. May. 1,741,999; Dec. 31.
Shoes, Making. P. J. Wentworth. 1,741,747; Dec. 31.
Shopping bag. R. M. Lackey. 1,741,527; Dec. 31.
Short-circuit detector. C. A. Butcher. 1,741,976; Dec. 31.
Sign, Illuminated. H. F. White. 1,741,748; Dec. 31.
Signal device. R. Edelmann. 1,741,687; Dec. 31.
Signal system, Railway. D. J. McCarthy. 1,741,642; Dec. 31.
Signalling direction apparatus, Vehicle. J. W. Brenkert. 1,741,821; Dec. 31.
Signalling, Indicating, stopping, and starting device. S. Halvorsen. 1,741,564; Dec. 31.
Signalling system, Carrier-current. C. W. Green. 1,741,767; Dec. 31.
Sink. C. R. Crane, 2d, and R. H. Zinkl. Des. 80,218; Dec. 31.
Sintering machine. J. R. Linney. 1,741,943-4; Dec. 31.
Slack adjuster. W. H. Sauvage. 1,741,739; Dec. 31.
Sled. J. E. Blake. 1,742,127; Dec. 31.
Slicer or the like, Potato. C. J. Froehle. 1,741,764; Dec. 31.
Sliding machine. J. C. Steiner. 1,742,105; Dec. 31.
Sliding machines, Feed mechanism for use with. E. Coulson. 1,742,060; Dec. 31.
Sliding machines, Meat-clamping means for. E. Coulson. 1,742,059; Dec. 31.
Snowplow and sweeper, Combination. T. E. Dagel. 1,741,860; Dec. 31.
Soap, Cake of. A. Mosheim. Des. 80,240; Dec. 31.
Sock, Orthopedic. W. M. Scholl. 1,741,340; Dec. 31.
Socket. H. A. Bremer. 1,741,221; Dec. 31.
Socket or mounting for vacuum tubes. G. J. Meuer. 1,741,372; Dec. 31.
Socket wrench, Telescopic. P. Bidal. 1,741,810; Dec. 31.
Soldering iron. D. A. Miller. 1,741,707; Dec. 31.
Sole, Shoe. H. E. Chrisfield. Des. 80,217; Dec. 31.
Sole, Shoe. J. E. Grosjean. Des. 80,223; Dec. 31.
Sorting machine. E. A. Ford. 1,741,985; Dec. 31.
Sound reproducer. L. W. Staunton. 1,742,016; Dec. 31.
Sound reproducer, Electromagnetic. R. L. Brown. 1,741,499; Dec. 31.
Sound-reproducing set. K. Parker. 1,741,431; Dec. 31.
Sound-wave transmitting and amplifying device. W. Harden. 1,741,934; Dec. 31.
Spacing mechanism for conveyer systems. R. Amory. 1,741,752; Dec. 31.
Speaking panel for jails. B. W. Brockett. 1,741,917; Dec. 31.
Speed-reduction unit. J. L. Erisman. 1,741,561; Dec. 31.
Spirits-aging apparatus. J. R. Naylor. 1,741,727; Dec. 31.
Sponge cup. M. S. Lower. 1,741,783; Dec. 31.
Spoon or similar article. G. N. Allen. Des. 80,213; Dec. 31.
Spotlight. W. W. Morn. 1,741,788; Dec. 31.
Spray gun. W. B. Thompson. 1,741,169; Dec. 31.
Spring counterbalancing means. E. Kreissig. 1,741,523; Dec. 31.
Spring wheel. T. Rozankovich. 1,742,100; Dec. 31.
Sprinkler: See—
Lawn sprinkler.
Sprinkler head. W. Van E. Thompson. 1,741,665; Dec. 31.
Stabilizer for aeroplanes, Vacuum wing. J. G. Lyons. 1,741,578; Dec. 31.
Staircase, Moving. F. Holtzschmidt. 1,741,842; Dec. 31.
Stake for holding concrete forms. G. G. Cucolo. 1,741,829; Dec. 31.
Stand. W. M. Moore. Des. 80,243; Dec. 31.
Staple. W. C. Bowman. 1,741,279; Dec. 31.
Starter motor drive. W. C. Schneider. 1,741,251; Dec. 31.
Starting apparatus, Engine. R. P. Lansing. 1,741,370; Dec. 31.

Station indicator, Electric. M. P. Martinez. 1,741,371; Dec. 31.
Steam boiler. A. H. Kemper and W. H. Durkin. 1,741,633; Dec. 31.
Steam generator. E. J. Rowan. 1,741,657; Dec. 31.
Steel, Making expander. G. C. Beck. 1,741,907; Dec. 31.
Sterilizer for toilet seats and the like. L. B. Grafani and R. E. Peterson. 1,741,622; Dec. 31.
Stills, Operation of pressure. J. E. Bell. 1,741,276; Dec. 31.
Stocking. A. E. Ischinger. Des. 80,232-4; Dec. 31.
Stone-working machine. P. S. Legge. 1,741,822; Dec. 31.
Stool, Metal. H. T. Halliwell. 1,742,033; Dec. 31.
Storage tank, Liquid. I. R. Atonlin. 1,742,120; Dec. 31.
Stove casing. M. R. Lehman. Des. 80,238; Dec. 31.
Stove, Cooking. M. C. Reck. 1,741,791; Dec. 31.
Stovepipe. S. F. Jackson. 1,741,304; Dec. 31.
Strainer for engine-cooling systems, Water. J. A. Slider and B. S. Goodwin. 1,741,444; Dec. 31.
Strainer, Sink. G. J. Lemm. 1,741,242; Dec. 31.
Strand and brake lining and making the same. E. Slade. 1,741,443; Dec. 31.
Strap for lingerie, Shoulder. J. M. Heake. 1,741,628; Dec. 31.
Stretching, Collapsible. K. Butcher. 1,741,449; Dec. 31.
Stretching and drying frame. A. O. Schramm. 1,741,541; Dec. 31.
Striker plate for door latches. A. A. Utley. 1,741,258; Dec. 31.
Stylus for sound-reproducing machines. G. F. Taylor. 1,741,256; Dec. 31.
Submarines, Escape device for. J. W. Cooke. 1,741,827; Dec. 31.
Suction-roll shell drilling. H. C. Burden. 1,741,974; Dec. 31.
Sulphur, Producing elemental. R. C. Benner and A. P. Thompson. 1,741,551; Dec. 31.
Sun blind. C. Perks, C. E. Shields, and T. G. Murray. 1,742,094; Dec. 31.
Superheater tube and making same. W. H. Winslow. 1,741,217; Dec. 31.
Support and arch protector, Bedclothes. E. G. Doyle. 1,741,361; Dec. 31.
Support, Arch. W. M. Scholl. 1,741,341; Dec. 31.
Support, Disappearing. A. W. Leonhardt. 1,741,703; Dec. 31.
Support, Insulating. F. W. Peck, Jr. 1,741,333; Dec. 31.
Support for telephone receivers. S. Pastore. 1,741,950; Dec. 31.
Supporter, Breast. R. R. Woltstem. 1,741,898; Dec. 31.
Supporter, Garment. C. C. Welch. 1,741,212; Dec. 31.
Supporting the skid bars or like elements in sawmills. G. M. Pelton. 1,741,951; Dec. 31.
Surgical appliance. J. Glass. 1,741,457; Dec. 31.
Surgical instrument. F. P. Herman. 1,741,461; Dec. 31.
Surgical operating cushion. L. L. Gilbert. 1,741,836; Dec. 31.
Suture. C. H. Watson. 1,741,892; Dec. 31.
Sweeper, Carpet. I. J. Owen. 1,741,103; Dec. 31.
Switch: See—
Air-break switch. Make-and-break switch.
Compound switch. Relay switch.
Electric switch. Trigger switch.
High-voltage switch.
Switch. A. G. Decker. 1,741,406; Dec. 31.
Switch and closing mechanism therefor, Electric. G. A. Burnham. 1,741,824; Dec. 31.
Switch machines, Control means for. W. W. Wenzel. 1,742,113; Dec. 31.
Switch mechanism, Electric. L. J. Weber. 1,742,109; Dec. 31.
Table: See—
Foldable table. Insulated steam table.
Grinding table.
Table. J. Avrutik. 1,741,904; Dec. 31.
Table. E. C. Phillips. 1,741,779; Dec. 31.
Tablet machine. K. B. John, C. W. Coslow, and C. J. Schwandt. 1,741,312; Dec. 31.
Tag, Automobile. G. A. Brooks. 1,741,610; Dec. 31.
Talking machine. H. Kuchenmeister. 1,742,085; Dec. 31.
Tamping and like implement. C. Jackson. 1,741,240; Dec. 31.
Tank: See—
Brine tank. Storage tank.
Tank gauge, Oil-storage. B. C. Rhehart. 1,741,792; Dec. 31.
Telephone attachment, Sanitary. S. Wilson. 1,741,668; Dec. 31.
Telephone system. H. M. Bascom. 1,741,272; Dec. 31.
Telephone system. C. Gillings and W. O. Passmore. 1,741,514; Dec. 31.
Telephone system. J. H. Voss and C. E. Lomax. 1,741,746; Dec. 31.
Telephone system, Automatic. J. H. Voss. 1,741,549; Dec. 31.
Telephones, Secretary service for. C. E. Lomax. 1,741,636; Dec. 31.
Temperature regulator for mechanical refrigerators. E. G. Hodgkins. 1,741,237; Dec. 31.
Temperature-responsive device. H. T. Faus. 1,742,138; Dec. 31.
Terminal cleaner, Battery. A. S. Miller. 1,741,531; Dec. 31.
Terminal, Spark-plug-cable. A. V. D. Willgoos. 1,741,667; Dec. 31.

Textile fabric. J. C. Earnshaw. Des. 80,219; Dec. 31.
Textile fabric or similar article. B. S. Nash. Des. 80,241; Dec. 31.
Textile material and producing the same, Vegetable. L. Lillienfeld. 1,741,637; Dec. 31.
Thermoelectric couple. C. Mievill. 1,741,870; Dec. 31.
Thermometer. H. Y. Norwood. 1,741,330; Dec. 31.
Thermostat. F. C. Volkman. 1,741,892; Dec. 31.
Thermostatic switch for electrical heating devices. F. Kuhn. 1,741,466; Dec. 31.
Tie, Ticker attachment. W. A. Zwicke. 1,741,267; Dec. 31.
Tie back for curtains and drapes. J. H. Boye. 1,741,182; Dec. 31.
Tile slab. G. K. Thompson. 1,741,745; Dec. 31.
Tinning bearing shells and the like. V. Skillman. 1,741,204; Dec. 31.
Tire. H. C. Hower. Des. 80,227; Dec. 31.
Tire lock, Spare. N. W. Trautner. 1,741,593; Dec. 31.
Tire or similar article. R. W. Hutchens. Des. 80,230; Dec. 31.
Tires, Cushion frame for. W. J. Sheirs. 1,741,441; Dec. 31.
Tires, Forming drum. W. E. Swern. 1,741,208; Dec. 31.
Tires, Marking. W. G. Lerch. 1,741,997; Dec. 31.
Tongue scraper. T. H. Chin. 1,741,143; Dec. 31.
Tool for handling live wires, etc., Insulating safety. H. W. Bodendieck. 1,741,970; Dec. 31.
Tool, Grooving. H. D. Stevens. 1,741,797; Dec. 31.
Tool, Rivet-removing. G. B. Lynch, G. L. Carroll, and A. Gumm. 1,742,040; Dec. 31.
Tool, Tire. C. J. White. 1,741,801; Dec. 31.
Top, Motor-boat. C. Z. Kroh. 1,741,318; Dec. 31.
Toy. J. A. Otterbein. 1,742,158; Dec. 31.
Toy aeroplane, Display. J. E. Burgess. 1,741,448; Dec. 31.
Toy baseball game. C. W. Wright. 1,741,596; Dec. 31.
Toy, Projectile. H. G. Lapsley. 1,741,993; Dec. 31.
Tractors, Steering attachment for. F. L. Willrodt. Des. 80,243; Dec. 31.
Tractor track inclosure. C. M. Rasmussen. 1,741,878; Dec. 31.
Trailer-frame construction. A. O. Nordine. 1,741,873; Dec. 31.
Train control. W. K. Howe. 1,742,076; Dec. 31.
Train-control system, Induction. A. G. Shaver and F. M. Rosenzweig. 1,741,440; Dec. 31.
Train-control systems, Trackway apparatus for. W. K. Howe and C. S. Bushnell. 1,741,775; Dec. 31.
Train recorder, Automatic. C. G. Harwig. 1,741,936; Dec. 31.
Transformer. K. K. Paluff. 1,741,200; Dec. 31.
Transformer. F. C. Wappler. 1,741,265; Dec. 31.
Transit system, Rapid. A. L. Rowe. 1,741,203; Dec. 31.
Translating apparatus, Electrical. L. O. Grondahl. 1,741,231; Dec. 31.
Translating device, Electromechanical. T. M. Edison. 1,741,226; Dec. 31.
Transmission, Automatic. K. E. Lyman. 1,741,853; Dec. 31.
Transmission, Automatic. K. E. Lyman. 1,741,854; Dec. 31.
Transmission, Automatic. K. E. Lyman. 1,741,855; Dec. 31.
Transmission, Automatic. K. E. Lyman. 1,741,856; Dec. 31.
Transmission, Automatic. K. E. Lyman. 1,741,859-61; Dec. 31.
Transmission, Automatic. K. E. Lyman. 1,741,862-5; Dec. 31.
Transmission, Automatic. K. E. Lyman and R. B. McMullen, Jr. 1,741,857; Dec. 31.
Transmission, Automatic. R. B. McMullen, Jr. 1,741,858; Dec. 31.
Transmission circuits. H. Whittle. 1,741,749; Dec. 31.
Transmission lock. C. L. Johnson. 1,741,990; Dec. 31.
Transmission tower, Two-circuit. P. H. Thomas. 1,741,903; Dec. 31.
Trap. A. R. Orgill. 1,741,429; Dec. 31.
Travelling case frame. M. Axelmann. 1,741,603; Dec. 31.
Trays, Follower for card. F. L. G. Straubel. 1,741,748; Dec. 31.
Trigger switch. W. Stumpf. 1,741,383; Dec. 31.
Trolley, Ladle. E. H. Kendall. 1,741,315; Dec. 31.
Trough, Feed. S. G. Williams. 1,742,019; Dec. 31.
Truck, Elevating. D. E. Hennessy. 1,741,712; Dec. 31.
Truck side frame, Car. G. T. Johnson and H. W. Stertzbach. 1,741,845; Dec. 31.
Truck, Trailer. T. and C. Thompson. 1,741,445; Dec. 31.
Truss. N. B. Obbard. 1,741,831; Dec. 31.
Tub and surgical basin, Unitary combined. O. R. Bean. 1,741,606; Dec. 31.
Tube: See—
Gas-discharge tube.
Tube fitting. W. M. Cross. 1,742,175; Dec. 31.
Tubular gauge. E. H. Aldeborgh. 1,741,268; Dec. 31.
Turbine, Combustion. H. Holzwarth. 1,741,939; Dec. 31.
Turbine, Steam. T. B. Slate. 1,741,379; Dec. 31.
Turbine, Water. S. Nagy. 1,741,949; Dec. 31.
Turbines, Runner for. L. F. Moody. 1,741,787; Dec. 31.
Turbines, Plate-steel speed ring for hydraulic. H. Syvertsen. 1,741,254; Dec. 31.
Turret machine for metal working. C. A. Cornell. 1,742,135; Dec. 31.
Typewriting machine. H. A. Avery, O. Petermann, and E. L. Harmon. 1,741,673; Dec. 31.

ALPHABETICAL LIST OF INVENTIONS

Typewriting machine. A. B. Ely. 1,741,689-70; Dec. 31.
 Typewriting machine. W. O. Michelsen. 1,741,328; Dec. 31.
 Typewriting machine. J. A. B. Smith. 1,741,545; Dec. 31.
 Typewriting machine. J. A. B. Smith. 1,741,664; Dec. 31.
 Unloading apparatus for cargo carriers. Self. L. D. Smith. 1,741,167; Dec. 31.
 Upholstery edge. H. Fox. 1,741,418; Dec. 31.
 Urethro-cystoscopic instrument. J. E. Sederholm and F. E. B. Foley. 1,741,740; Dec. 31.
 Valve. E. I. McGee. 1,742,043; Dec. 31.
 Valve. C. B. McKenna. 1,741,198; Dec. 31.
 Valve. J. B. Powers. 1,741,735; Dec. 31.
 Valve action for internal-combustion engines. Poppet. W. M. Goodwin. 1,741,230; Dec. 31.
 Valve-adjusting means for internal-combustion engines. R. W. A. Brewer. 1,741,677; Dec. 31.
 Valve, cock, and the like. J. Ellberg and M. Cronwall. 1,741,983; Dec. 31.
 Valve construction. J. A. Stubblefield. 1,742,107; Dec. 31.
 Valve control, automatic choke. P. F. Little. 1,741,706; Dec. 31.
 Valve for sprinkler systems. E. Tyden. 1,741,548; Dec. 31.
 Valve-lifting device. W. C. Merwarth. 1,741,426; Dec. 31.
 Valve-operating mechanism. R. W. A. Brewer. 1,741,678; Dec. 31.
 Valve, radiator. A. A. Campbell. 1,741,402; Dec. 31.
 Valve, radiator relief. A. Buss. 1,741,612; Dec. 31.
 Valve, self-closing. F. Protzer. 1,741,250; Dec. 31.
 Valve, Thermostatic. A. Beter. Rel. 544; Dec. 31.
 Vapors from pressure stills and the like, Fractionating. J. E. Bell. 1,741,275; Dec. 31.
 Varnishing leather and like material. J. Palsseau. 1,742,146; Dec. 31.
 Vault construction. A. Evensen. 1,741,511; Dec. 31.
 Vehicle body. G. A. Brown. Des. 80,215; Dec. 31.
 Vehicle body and tire carrier combined. O. H. Spencer. 1,741,346; Dec. 31.
 Vehicle seat, adjustable motor. H. D. Kleinschmidt. 1,742,037; Dec. 31.
 Vehicle, transport. V. A. A. Vernon. 1,742,154; Dec. 31.
 Vehicle wheel. A. Meldrum. 1,742,044; Dec. 31.
 Vehicles, driving mechanism for six-wheel. A. F. Masury. 1,741,425; Dec. 31.
 Vehicles, mudguard for. G. Brandau. 1,742,156; Dec. 31.
 Venting and display rack. B. C. Overton. 1,741,732; Dec. 31.
 Venting machine, Package-. S. P. Nemeth. 1,741,728; Dec. 31.
 Venting machine, Pencil-. S. D. Lowry. 1,742,039; Dec. 31.
 Venting machine, Sanitary towel-service. T. J. Jones. 1,741,572; Dec. 31.
 Venting and refrigerating apparatus. C. A. Moore. 1,741,580; Dec. 31.
 Ventilating means for vehicle bodies. W. D. Crowell. 1,741,502; Dec. 31.
 Ventilating screen. J. Harris. 1,741,986; Dec. 31.
 Ventilator. Y. Hayakawa. 1,742,034; Dec. 31.
 Vibrator for ore screens. A. L. LaMont. 1,741,528; Dec. 31.
 Violin, Self-playing. C. P. Corwin. 1,742,057; Dec. 31.
 Wall panel. E. T. Gray. Des. 80,220-2; Dec. 31.
 Wall-plate support for separable cable connectors. J. C. Burg. 1,741,823; Dec. 31.
 Wall support structure. E. F. Hauserman, L. D. Mowery, and J. A. Bohnsack. Rel. 547; Dec. 31.
 Warp beam. F. C. Washburn. 1,741,800; Dec. 31.
 Warper and method of warping yarn. H. D. Colman. 1,741,757; Dec. 31.
 Washing machine, Clothes-. J. B. Kirby. 1,741,191; Dec. 31.
 Washing machine, Clothes-. J. B. Kirby. 1,741,317; Dec. 31.
 Water heater. L. T. Wilcox. 1,741,175; Dec. 31.
 Water-heater drain. J. P. Morley. 1,742,000; Dec. 31.
 Waterproofing compositions and products. Preparing. A. F. Owen. Rel. 541; Dec. 31.
 Water replenisher and level maintainer. L. Ehmann. 1,741,982; Dec. 31.
 Water softener. G. A. Mutch. 1,741,645; Dec. 31.
 Weather strip, Metal. A. M. Lane. 1,741,781; Dec. 31.
 Weft exhaustion, Device to prevent repeated indication of. W. H. King. 1,741,316; Dec. 31.
 Weight, Paper. J. Garaja. 1,741,692; Dec. 31.
 Welding of rails and the like, Alumino-thermic. E. F. Bagtrup. 1,741,399; Dec. 31.
 Welding rails. P. Rugeberg. 1,741,437; Dec. 31.
 Wheel: See—
 Gear wheel. Spring wheel.
 Resilient wheel. Vehicle wheel.
 Wheel device, Antitheft spare-. R. W. Johnson. 1,741,314; Dec. 31.
 Wheel disks to rims, Securing. J. H. Hunt. 1,741,716; Dec. 31.
 Wheel pilot, Railway-. E. E. Ritenour. 1,742,148; Dec. 31.
 Wheels, Making vehicle. A. L. Putnam. 1,741,478; Dec. 31.
 Wind motor. O. J. Nittardy. 1,741,247-8; Dec. 31.
 Window. R. B. Marschke. 1,741,998; Dec. 31.
 Window. E. D. Ross. 1,741,479; Dec. 31.
 Window box. J. C. Young. 1,742,051; Dec. 31.
 Window holder for automobile cabs, Wing. T. H. Butler. 1,741,500; Dec. 31.
 Window stop. M. Shapiro. 1,741,252; Dec. 31.
 Windshield and the like. J. A. Faguy. 1,741,562; Dec. 31.
 Windshield heater. G. H. Beckmann. 1,741,968; Dec. 31.
 Wire-bag-making machine. Y. Guyon and R. H. C. Marty. 1,741,623; Dec. 31.
 Wire cutter, High-tension. H. W. Bodendieck. 1,741,971; Dec. 31.
 Wood grain designs of a wood panel to another article. Transferring natural. W. Mavor and C. S. Houpt. 1,741,471; Dec. 31.
 Wrapper, Insulating. G. B. Scarlett. 1,741,377; Dec. 31.
 Wrench: See—
 Socket wrench.
 Zinc sulphide. C. W. Farber. 1,742,030; Dec. 31.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 31, 1929

NOTE—First number=class, second number=subclass, third number=patent number.

2- 10: 1,742,132	28- 36: 1,741,757	53- 9: 1,741,675	74- 59: 1,741,631	94- 38: 1,741,323	119- 32: 1,741,565
14: 1,741,327	55: 5: 1,741,828	55- 60: 1,741,709	97: 1,741,853	39: 1,741,825	61: 1,741,194
17: 1,741,427	29- 38: 1,742,135	56- 17: 1,741,602	105: 1,741,177	1,741,829	1,742,019
30: 1,741,898	84: 1,742,173	102: 1,741,933	108: 1,741,243	45: 1,741,459	120- 8: 1,741,368
107: 1,741,628	148: 3: 1,741,450	294: 1,741,376	1,741,643	7: 1,742,042	121- 9: 1,742,166
132: 1,741,311	155: 1,741,704	58- 140: 1,741,952	1,741,659	11: 1,741,526	44: 1,741,871
146: 1,741,232	157: 4: 1,741,217	59- 80: 1,741,271	1,741,843	3: 1,742,129	1,741,988
240: 1,741,512	174: 1,741,478	60- 13: 1,741,720	1,742,015	13: 1,742,124	122- 7: 1,741,663
274: 1,742,117	30- 3: 1,741,259	1,741,730	1,742,136	15: 1,742,000	33: 1,741,657
278: 1,741,620	9: 1,741,924	41: 1,741,939	109: 1,741,436	49: 1,741,543	68: 1,741,181
4- 183: 1,741,606	11: 1,741,172	49: 1,741,957	1,741,849	103: 1,741,704	155: 1,741,633
233: 1,741,622	12: 1,741,891	52: 1,741,833	1,741,913	245: 1,741,216	1,742,063
287: 1,741,242	13: 1,741,803	58- 20: 1,742,068	119: 1,741,148	93- 93: 1,741,986	260: 1,741,175
31: 1,741,153	17: 1,741,971	61- 8: 1,741,652	120: 1,742,005	115: 1,741,954	275: 1,741,701
85: 1,741,717	20: 1,741,797	62- 19: 1,741,630	1,741,953	6: 1,741,929	360: 1,742,175
97: 1,742,011	31- 20: 1,741,753	37: 1,741,568	17: 1,741,965	8: 1,741,724	492: 1,741,670
118: 1,741,592	32- 10: 1,742,061	95: 1,741,438	22: 5: 1,741,920	11: 1,741,773	33: 1,741,417
119: 1,741,449	16: 1,741,734	1,741,989	73: 1,741,544	19: 1,741,284	53: 1,741,404
251: 1,742,035	33: 1,742,080	116: 1,741,638	5: 1,741,275	41: 1,742,089	56: 1,741,894
287: 1,742,139	33- 8: 1,741,174	1,742,062	47: 1,741,850	101- 3: 1,741,595	66: 1,741,766
319: 1,741,361	178: 1,741,258	141: 1,741,594	77- 7: 1,741,507	19: 1,741,201	75: 1,741,987
320: 1,742,094	190: 1,742,103	157: 1,742,122	78- 35: 1,741,811	91: 1,741,927	1,741,994
351: 1,741,847	34- 12: 1,741,755	174: 1,742,171	60: 1,742,022	93: 1,742,162	90: 1,741,677
354: 1,742,108	1,741,882	175: 1,741,906	80- 16: 1,741,715	149: 1,741,758	1,741,678
355: 1,741,700	1,742,099	17: 1,741,908	58: 1,741,405	278: 1,741,848	173: 1,742,067
8- 2: 1,741,406	35- 12: 1,741,692	65- 45: 1,741,326	60: 1,742,111	350: 1,741,414	175: 1,741,464
19: 1,741,338	36- 4: 1,742,176	46: 1,741,294	3: 1,741,288	355: 1,741,853	176: 1,742,028
1,742,114	35: 1,741,754	46: 1,741,607	3: 8: 1,741,222	401: 1: 1,741,471	177: 1,741,230
20: 1,741,637	71: 1,741,341	57: 1,741,742	177: 1,741,810	8: 1,741,380	179: 1,741,370
12: 1,741,851	1,741,419	61: 1,741,339	1,741,969	12: 1,741,900	1,741,706
20: 1,742,104	37- 45: 1,741,360	66- 128: 1,742,036	82- 19: 1,741,759	15: 1,741,901	191: 1,741,355
23: 1,742,092	145: 1,741,933	129: 1,742,048	83- 9: 1,741,604	82: 1,741,618	196: 1,741,348
38: 1,741,844	39- 24: 1,741,470	178: 1,741,826	84- 10: 1,742,057	179: 1,741,244	1,741,483
128: 1: 1,741,831	40- 10: 1,741,608	178: 1,741,826	11: 1,741,373	232: 1,741,571	198: 1,741,817
142: 1,741,747	36: 1,741,228	67- 4: 1,741,956	256: 1,741,948	13: 1,741,240	1: 1,741,322
1,741,999	37: 1,741,914	68- 9: 1,741,298	294: 1,741,934	30: 1,741,772	13: 1,741,321
41: 1,741,163	42: 1,741,676	10: 1,741,996	296: 1,741,453	63: 1,741,245	126- 33: 1,741,599
128: 1,741,455	53: 1,741,371	10: 1,741,581	322: 1,741,285	1,741,246	39: 1,741,885
208: 1,741,223	68: 1,741,235	15: 1,741,779	349: 1,742,121	1,741,286	41: 1,741,791
222: 1,741,962	129: 1,741,434	18: 1,741,688	400: 1,741,835	124: 1,741,263	67: 1,741,297
256: 1,741,551	1,741,966	41: 1,741,546	411: 1,741,546	238: 1,741,297	1,741,468
4: 1,742,169	130: 1,741,748	69- 13: 1,741,780	471: 1,741,788	105- 200: 1,742,008	126: 1,742,081
1: 1,741,332	1,742,071	70- 16: 1,741,653	478: 1,741,769	169: 1,742,007	169: 1,742,023
23: 1,741,554	132: 1,741,610	46: 1,741,390	48: 1,741,960	205: 1,741,845	190: 1,742,008
45: 1,741,239	143: 1,741,669	90: 1,741,161	32: 1,742,052	215: 1,742,154	272: 1,741,579
5: 1,741,312	145: 1,741,452	1,741,314	49: 1,741,279	220: 1,741,537	1,741,925
50: 1,741,778	158: 1,741,350	1,741,391	2: 4: 1,741,422	221: 1,741,638	307: 1,741,304
56: 1,741,830	22: 1,741,683	1,742,090	16: 4: 1,741,385	224: 1,741,200	7: 1,741,575
26: 1,741,765	36: 1,741,770	122: 1,741,593	1,741,386	228: 1,741,542	1,741,740
27: 1,741,543	1: 1,741,902	128: 1,741,990	18: 3: 1,742,001	230: 1,741,897	49: 1,741,796
55: 1,741,636	69: 1,741,281	16: 1,741,342	20: 1,741,213	309: 1,741,558	168: 5: 1,741,340
85: 1,742,129	17: 1,741,233	69: 1,741,366	39: 1,741,827	415: 1,741,188	1,741,233
114: 1,741,597	56: 1,742,046	18: 1,741,945	41: 1,742,049	24: 1,741,574	284: 1,741,881
9: 1,742,045	61: 1,741,429	45: 1,741,760	42: 1,741,199	25: 1,741,973	292: 1,741,836
19: 1,741,941	128: 1,741,359	101: 1,741,776	49: 1,741,806	107- 1: 1,741,682	1,741,837
36: 1,742,027	44- 9: 1,741,206	102: 1,741,679	8: 1,741,694	8: 1,741,694	1,741,838
49: 1,741,479	23: 1,741,193	1,741,680	53: 1,741,807	58: 1,741,656	304: 1,741,143
52: 1,741,993	31: 1,741,904	109: 1,741,611	54: 1,741,536	325: 1,741,457	1,741,457
69: 1,741,781	48: 1,741,961	24: 1,741,266	57: 1,741,917	7: 1,741,539	334: 1,741,893
1: 1,741,959	116: 1,741,576	32: 1,742,138	2: 1,741,534	8: 1,741,408	1: 1,741,229
36: 1,741,503	139: 1,741,487	54: 1,742,084	3: 1,741,432	33: 1,741,515	10: 1,741,157
84: 1,742,065	40: 1,741,415	82: 1,741,792	9: 1,741,697	11: 1,741,611	1,741,283
147: 1,741,615	46: 1,742,158	7: 1,741,165	45: 1,741,153	40: 1,741,808	1,741,586
206: 1,741,399	50: 1,741,448	1,741,251	44: 1,741,744	44: 1,741,744	16: 7: 1,741,150
1,741,437	180: 1,741,280	1,741,561	47: 1,741,486	56: 1,741,567	1,741,303
3: 1,741,834	49- 5: 1,741,708	1,742,076	86: 1,741,584	78: 1,741,180	1,741,467
135: 1,742,030	1,742,055	14: 1,741,528	8: 1,741,584	86: 1,741,584	1,742,087
175: 1,741,310	17: 1,741,621	1,741,570	98: 1,741,718	98: 1,741,718	31: 1,741,743
236: 1,741,551	29: 1,741,984	1,741,211	104: 1,741,184	104: 1,741,184	37: 1,741,909
282: 1,742,140	33: 1,741,912	1,741,209	136: 1,741,866	136: 1,741,866	34: 1,742,177
288: 1,741,309	50: 1,741,662	34: 1,741,854	165: 1,741,910	165: 1,741,910	36: 1: 1,741,407
71: 1,741,421	56: 1,741,886	1,741,855	54: 4: 1,741,783	232: 1,741,179	134- 17: 1,741,641
73: 1,741,876	59: 1,741,330	1,741,856	60: 1,741,684	235: 1,741,872	135- 8: 1,741,424
108: 1,742,014	82: 1,741,494	1,741,857	68: 1,741,698	261: 1,741,454	36: 1,741,546
123: 1,741,463	78: 1,741,166	1,741,858	1,742,093	109: 1,741,707	4: 1,741,870
205: 1,741,158	91: 1,742,101	1,742,146	112: 1,742,017	112: 1,742,017	136- 75: 1,741,899
1,741,789	103: 1,741,236	1,741,859	68: 3: 1,741,477	114- 16: 7: 1,741,827	90: 1,741,491
1,741,805	170: 1,741,145	1,741,860	70: 2: 1,741,358	51: 1,741,681	93: 1,741,250
243: 1,741,205	240: 1,741,462	1,741,861	70: 3: 1,741,204	115- 23: 1,741,879	122: 1,741,402
267: 1,741,640	246: 1,742,054	1,741,862	13: 1,741,540	116- 39: 1,741,190	1,741,612
29: 1,741,542	251: 1,742,070	1,741,863	46: 1,741,347	48: 1,741,821	139: 1,741,320
27- 5: 1,742,130	52- 11: 1,741,146	1,741,864	53: 1,741,974	129: 1,741,702	153:

CLASSIFICATION OF PATENTS

139—	38: 1,741,916 109: 1,741,300 138: 1,741,641 100: 1,741,353 230: 1,741,316 250: 1,741,324 281: 1,741,263 281: 1,741,186 286: 1,742,134 308: 1,741,351 353: 1,741,210 140—	36: 1,741,460 179: 1,741,170 239: 1,741,428 274: 1,741,518 278: 1,741,799 288: 1,741,762 263: 1,741,804 269: 1,741,667 318: 1,741,333 328: 1,741,221 339: 1,741,723 89: 1,741,461 177: 1,741,313 21: 1,742,018 41: 1,741,185 41.5: 1,741,182 204: 1,741,356 1,741,976 1,742,025 1,741,291 318: 1,741,319 356: 1,741,200 361: 1,741,295 3: 1,742,153 329: 1,741,642 1,741,687 1,741,363 44: 1,741,749 45: 1,741,644 1,741,926 1: 1,741,430 1,741,431 2.5: 1,741,218 11: 1,741,272 15: 1,741,767 17: 1,741,549 27: 1,741,514 1,741,639 1,741,746 100.1: 1,741,226 1,742,115 1,741,950 171: 1,741,480 185: 1,741,668 22: 1,741,425 73: 1,741,550 27: 1,741,508 31: 1,741,274 1,741,499 1,741,533 1,742,016 1,742,016 32: 1,741,841 7: 1,741,352 10: 1,742,094 77: 1,741,774 86: 1,741,207 13: 1,741,501 48: 1,741,235 1: 1,741,940 8: 1,742,127 72: 1,741,178 78: 1,741,168 79.5: 1,741,577 91: 1,741,875 129: 1,742,003 140: 1,741,796 152: 1,741,818 1,741,819 196: 1,741,365 200: 1,741,739 209: 1,741,896 1: 1,741,219 5: 1,741,917 22: 1,741,963 34: R. 17,547 1,741,932 1,741,979 37: 1,741,331 1,741,423 76: 1,741,354 85: 1,741,299 92: 1,742,162 49: 1,741,608 3: 1,742,013 8: 1,742,012 50.1: 1,742,086	172—	192—	211—	240—	261—													
141—	11: 1,742,150 157: 1,741,551 303: 1,741,923 30: 1,742,032 50: 1,741,349 1,742,040 102: 1,742,060 1,742,105 166: 1,741,764 217: 1,742,059 30: 1,741,336 47: 1,741,270 4: 1,741,234 8: 1,741,441 11.5: 1,741,198 12: 1,742,107 50: 1,742,100 52: 1,741,344 2: 1,742,031 7: 1,741,905 1,741,907 32: 1,741,840 40: 1,741,935 61: 1,742,056 2: 1,741,443 1,741,522 1,741,530 1,741,556 1,742,145 14: 1,741,208 26: 1,741,488 43: 1,741,392 5: 1,742,037 47: 1,741,192 96: 1,741,784 153: 1,741,156 184: 1,741,413 194: 1,742,033 6: 1,741,318 14: 1,741,890 1,741,958 33: 1,741,182 1,741,504 1,741,505 39: 1,741,922 44: 1,742,064 6: 1,741,501 11: 1,741,532 42.4: 1,741,725 63: 1,741,968 86: 1,741,553 91: 1,741,364 6.6: 1,741,273 1,742,155 54: 1,741,302 60: 1,741,635 61: 1,742,047 65: 1,741,520 69: 1,741,711 73: 1,741,634 58: 1,741,786 82: 1,741,589 24: 1,741,247 26: 1,741,248 108: 1,741,949 114: 1,741,238 176: 1,741,517 95: 1,741,590 118: 1,741,993 1,742,151 206: 1,741,262 1,741,420 1,742,112 229: 1,741,375 264: 1,741,751	143—	144—	145—	146—	148—	150—	151—	152—	153—	154—	155—	156—	157—	158—	164—	167—	170—	171—	
241—	242—	243—	244—	245—	246—	247—	248—	249—	250—	251—	252—	253—	254—	255—	256—	257—	258—	259—	260—	261—
6: 1,741,212 1: 1,741,220 46.6: 1,741,197 58: 1,742,025 124: 1,741,890 134: 1,741,632 144: 1,741,874 1: 1,741,195 2: 1,741,964 6: 1,741,446 1,741,699 12: 1,742,082 1,742,123 14: 1,741,617 18: 1,741,578 3: 1,742,113 34: 1,741,775 63: 1,741,440 169: 1,741,626 8: 1,741,823 15: 1,741,358 20: 1,742,060 30: 1,742,078 41: 1,741,189 58: 1,742,041 65: 1,741,937 11: 1,741,282 20: 1,741,493 27: 1,741,481 36: 1,741,485 1,741,710 40: 1,742,147 10.7: 1,741,521 45: 1,741,588 103: 1,741,141 1,741,983 112: 1,741,735 123: 1,742,043 2.5: 1,741,921 118: 1,741,264 133: 1,741,379 148: 1,741,787 10: 1,741,712 67: 1,741,785 102: 1,741,703 103: 1,741,144 111: 1,741,343 1,742,106 135: 1,741,292 139: 1,741,660 149: 1,741,647 168: 1,742,168 184: 1,741,315 1,742,142 1,742,180 186: 1,742,088 19: 1,741,497 6: 1,741,225 1,741,726 18: 1,741,580 136: 1,741,395 206: 1,742,119 239: 1,741,455 18: 1,741,176 24: 1,741,646 54: 1,742,118 96: 1,741,763 97: 1,741,173 101: 1,741,191 1,741,317 16: 1,742,110 26: 1,741,761 87: 1,741,418 105: 1,741,877 139: 1,741,394 156: 1,741,307 1,741,308 166: 1,741,393 168: R. 17,548 1,741,305 1,741,472 169: 1,741,306 170: 1,741,559 1: 1,741,401	66: 1,741,447 80: 1,741,367 110: 1,741,495 114: 1,741,519 116: 1,741,160 28: 1,741,714 30: 1,741,583 1,742,128 28: 1,741,411 46: 1,741,666 62: 1,741,416 1.5: 1,741,469 1,741,977 21: 1,741,943 53: 1,741,162 72: 1,741,627 8: 1,741,738 39: 1,741,451 44: 1,741,149 93: 1,741,596 96: 1,741,995 134: 1,741,832 141: 1,741,224 142: 1,741,903 1: 1,741,465 23: 1,742,085 38: 1,741,256 20: 1,741,548 33.1: 1,741,654 33.4: 1,741,598 37: 1,742,137 57.5: 1,741,142 106: 1,741,873 125: 1,741,445 156: 1,742,156 13: 1,741,362 22: 1,742,067 94: 1,741,975 117: 1,741,720 2: 1,741,665 17: 1,741,462 114: 1,741,942 207: 1,741,252 213: 1,741,500 224: 1,741,546 254: 1,741,389 340: 1,741,258 55: 1,741,506 1,741,513 58: 1,742,148 19: 1,741,970 37: 1,741,346 44: 1,741,262 1,741,384 1,741,502 97: 1,741,609 137: 1,741,484 1,741,946 75: 1,741,525 23: 1,742,058 13: 1,741,552 60: 1,741,557 1,741,665 88: 1,742,050 21: 1,741,700 63: 1,741,716 67: 1,742,044 9: 1,741,878 41: 1,741,587 2: 1,741,737 71: 1,741,183 83: 1,741,931 160: 1,741,822 189: 1,741,671 26: 1,741,703 36: 1,741,563 43: 1,741,474 1,741,475 55: 1,741,798 57: 1,741,572 67: 1,741,295 83: 1,741,889 84: 1,742,039 97.1: 1,741,728 101: 1,742,051 111: 1,742,141																			

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